State of Utah

GARY R. HERBERT
Governor

GREGORY S. BELL
Lt. Governor

Department of Administrative Services
KIMBERLY K. HOOD
Executive Director

Division of Facilities Construction and Management
RICH AMON
Interim Director

Addendum No. 4

Date: April 15, 2013

To: Contractors

From: Matthias Mueller – Program Director

Reference: Bachelor Enlisted Quarters Facility
Utah National Guard – Camp Williams, Utah
DFCM Project No. 10281480

Subject: **Addendum No. 4**

Pages			
	Addendum Cover Sheet	1	page
	Revised Cost Proposal Form and Schedule Attachment	9	pages
	Architect's Addendum 4	51	pages
	Total	61	pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

4.1 **SCHEDULE CHANGES:** There are no Project Schedule changes.

4.2 **GENERAL ITEMS**: See attached Architect's Addendum 4 dated April 12, 2013

COST PROPOSAL FORM – REVISED
PER ADDENDUM NO. 4 DATED APRIL 15, 2013

NAME OF PROPOSER _____ DATE _____

To the Division of Facilities Construction and Management
4110 State Office Building
Salt Lake City, Utah 84114

The undersigned, responsive to the "Notice to Contractors" and in accordance with the "Request for Proposals" for the **BACHELORS ENLISTED QUARTERS FACILITY – UTAH ARMY NATIONAL GUARD – CAMP WILLIAMS, UTAH – DFCM PROJECT NO. 10281480** and having examined the Contract Documents and the site of the proposed Work and being familiar with all of the conditions surrounding the construction of the proposed Project, including the availability of labor, hereby proposes to furnish all labor, materials and supplies as required for the Work in accordance with the Contract Documents as specified and within the time set forth and at the price stated below. This price is to cover all expenses incurred in performing the Work required under the Contract Documents of which this bid is a part:

I/We acknowledge receipt of the following Addenda: _____

BASE COST PROPOSAL: For all work shown on the Drawings and described in the Specifications and Contract Documents, I/we agree to perform for the sum of:

_____DOLLARS ($_____)
(In case of discrepancy, written amount shall govern)

ADDITIVE ALTERNATE NO. 1: For all work shown on the Drawings and described in the Specifications and Contract Documents as Additive Alternate No. 1 for landscaping and flexible asphalt pavement for main parking area and its access, I/we agree to perform for the sum of:

_____DOLLARS ($_____)
(In case of discrepancy, written amount shall govern)

ADDITIVE ALTERNATE NO. 2: For all work shown on the Drawings and described in the Specifications and Contract Documents as Additive Alternate No. 2 for 12 billet units (grid lines C to D between grid lines 1 to 4), I/we agree to perform for the sum of:

_____DOLLARS ($_____)
(In case of discrepancy, written amount shall govern)

ADDITIVE ALTERNATE NO. 3: For all work shown on the Drawings and described in the Specifications and Contract Documents as Additive Alternate No. 3 for solar panels, I/we agree to perform for the sum of:

_____DOLLARS ($_____)
(In case of discrepancy, written amount shall govern)

ADDITIVE ALTERNATE NO. 4: For all work shown on the Drawings and described in the Specifications and Contract Documents as Additive Alternate No. 4 for 12 billet units (grid lines B to C between grid lines 9 to 12), I/we agree to perform for the sum of:

_____DOLLARS ($_____)
(In case of discrepancy, written amount shall govern)

ADDITIVE ALTERNATE NO. 5: For all work shown on the Drawings and described in the Specifications and Contract Documents as Additive Alternate No. 5 for 12 billet units (grid lines B to C between grid lines 1 to 4), I/we agree to perform for the sum of:

_____DOLLARS ($_____)
(In case of discrepancy, written amount shall govern)

I/We guarantee that the Work will be Substantially Complete by _____ ***(specific date to be provided by contractor),*** should I/we be the successful proposer, and agree to pay liquidated damages in the amount of **$2,000.00** per day for each day after expiration of the Contract Time as stated in Article 3 of the Contractor's Agreement.

This bid shall be good for 45 days after bid opening.

Upon receipt of notice of award of this bid, the undersigned agrees to execute the contract within ten (10) days, unless a shorter time is specified in the Contract Documents, and deliver acceptable Performance and Payment bonds in the prescribed form in the amount of 100% of the Contract Sum for faithful performance of the contract. The Bid Bond attached, in the amount not less than five percent (5%) of the above bid sum, shall become the property of the Division of Facilities Construction and Management as liquidated damages for delay and additional expense caused thereby in the event that the contract is not executed and/or acceptable l00% Performance and Payment bonds are not delivered within the time set forth.

Type of Organization:

_____
(Corporation, Partnership, Individual, etc.)

Any request and information related to Utah Preference Laws:

_____

Respectfully submitted,

_____
Name of Proposer

ADDRESS:

_____

_____

_____
Authorized Signature

STATE OF UTAH - DEPARTMENT OF ADMINISTRATIVE SERVICES

Division of Facilities Construction and Management

DFCM

COST PROPOSAL SCHEDULE ATTACHMENT
TO BE SUBMITTED WITH THE REVISED DFCM COST PROPOSAL FORM

NAME OF PROPOSER _____ DATE _____

Project Name: Bachelors Enlisted Quarters Facility
Utah Army National Guard – Camp Williams, Utah
Project Number: 10281480

DESCRIPTION OF BASE COST PROPOSAL ITEMS

Note: It is the intent that ALL work shown on the Drawings and described in the Specifications and Contract Documents are covered in the following proposal items. The costs for the following items shall be shown separately, but comprise the Base Cost Proposal. Additive Alternate Items are listed separately after the description of all Base Proposal Items. The separation of the scope of work to be performed for each proposal item listed in the following will conform to the limitations and delineated as follows:

Base Cost Proposal Item 1 - Bachelors Enlisted Quarters Building, including all buildings on the site, excluding Additive Alternate Proposal items 1 through 5 listed below. Separate amounts are required for the Bachelors Enlisted Quarters Main Building, the Bachelors Enlisted Quarters Service Building, and Trash Enclosure. Refer to the sketch at the end of this attachment for definitions of these scopes of work. All work required in connection with construction, including excavation and backfilling for foundation walls and footings, finish shaping and proof rolling sub grade materials, engineered fill, and the gravel drainage fill under the floor slab. Utility work will include the installation of all systems within the building and extend to 5 feet outside the building. Mechanical work will include the installation of heating equipment, ducting, grilles, and vent lines. Electrical work will include the installation of all conduit and wiring, fixtures, and receptacles. Price will include the construction of trash enclosure, mechanical/electrical yards, transformer pads, canopies, pergolas, fire apparatus turn arounds, access controls, bollards, parking, signage, and traffic signage. This will NOT include any of the work called for by the remaining Proposal Items.

Base Cost Proposal Item 2 - Demolition, Site Preparation, and Grading.
Demolition: All work associated and in connection with the demolition of buildings, paving, sidewalks, walls, utilities, tree removal, and other elements indicated within the Construction Documents, including disconnection of utilities needing to be removed and/or changed, reconnection of utilities that need to remain in place, provisional utility connections to maintain the service of the utility lines feeding other sites, protection of elements, trees, utilities needing to remain in place, interior and exterior fire protection systems, and hydrants.

Base Cost Proposal Item 2 - Demolition, Site Preparation, and Grading (continued)
Site Preparation. All work in connection with the preparation of the project site (within the limits of construction) to bring the sub grade elevations required for the construction of facilities to the elevations specified on the Drawings, including clearing, grubbing, excavation , and embankment, earthwork, drainage channels/systems, retaining walls, and final grading/compaction of soils to sub grade levels. This work includes the site preparation of the areas covered by the Additive Alternates 1 through 5. The proposal will NOT include excavation and backfilling required for foundation walls and footing nor the finish shaping and proof roiling of the sub grade under pavements and floor slab construction.

All work in connection with grading of unpaved areas disturbed by construction, including placement of top soil from existing stock piles on the prepared sub grade and finish grading the topsoil. This work includes the grading of the areas covered by the Additive Alternates 2, 4, and 5. This proposal will NOT include sodding, sprigging, mulching, plants, planting, nor the grading and preparation of the subgrade.

Base Cost Proposal Item 3 - Rigid Pavement (Concrete). All work in connection with the furnishing, placing, and compaction of the base and surface courses of concrete rigid pavements for fire apparatus access roads, service and access aprons, pads and parking areas, including the finish shaping and proof rolling of the prepared sub grade. This proposal will NOT include the construction of prepared sub grade, drainage structures, nor other items designated as site preparation work. The cost of each type of rigid pavement is to be indicated separately as listed.

Base Cost Proposal Item 4 - Flexible Pavement (Asphalt). All work in connection with the furnishing, placing, and compaction of base and surface courses of asphalt flexible pavements for access roads, service and access aprons, pads and parking areas, including the finish shaping and proof rolling of the prepared sub grade. This proposal will NOT include the construction of prepared sub grade, drainage structures, nor other items designated as site preparation work. This proposal will NOT include the surface courses of asphalt flexible pavements included as part of Additive Alternate 1. The cost of each type of flexible pavement is to be indicated separately as listed,

Base Cost Proposal Item 5 - Fencing. All work in connection with the furnishing and erection of chain link fencing complete will all posts, fabric, barbed wire barrier, gates, and accessories in place and ready for service.

Base Cost Proposal Item 6 - Sidewalks and Walkways. All work in connection with the construction of concrete walks, including the finish shaping and proof roiling of the prepared sub grade. This work includes sidewalks and walkways required. For purposes of these costs, proposers shall assume that Additive Alternates 1 through 5 are not accepted and sidewalks/walkways will be extended into the areas. This proposal will NOT include the construction of prepared sub grade, drainage structures, nor other items designated as site preparation and grading work.

Base Cost Proposal Item 7 - Utility Connections, Impact Fees, and Permits. All work in connection with obtaining and paying for local building permits, utility permits, connection fees, impact fees, and utility companies inspection fees for this project. This proposal includes all the utility connections, impact fees, and permits including those required for Additive Alternates 1 through 5. This proposal item does NOT include the Owner's/DFCM inspection and testing costs for site lines and building lines after the meter.

Base Cost Proposal Item 8 - Security Lighting. All work in connection with the furnishing and installation of the exterior pole-mounted lighting system, including trenching and backfilling, cable, and accessory items to a point 5 feet outside the building line, complete and ready for service. This work includes security lighting required without the construction of Additive Alternates 2 through 5. This proposal will NOT include work inside the building, nor any building-mounted exterior lighting fixtures.

Base Cost Proposal Item 9 - Utility Connections and Exterior Fire Protection.
Utility Connections. All work in connection with the furnishing and installation water, gas, telecom lines, electrical lines, storm sewage system and sanitary sewer service lines from the mains to a point 5 feet outside the building line and trenching for direct burial electrical, telecom and telephone lines, cables, including backfilling and compaction of earth after lines and cables have been installed. This work includes utility connections required without the construction the Additive Alternates 1 through 5.

Exterior Fire Protection. All exterior work to provide protection, including extension of water mains for fire protection to hydrants. This work includes the exterior fire protection work required without the construction of Additive Alternates 1 through 5. The cost for each type of utility work is to be indicated separately as listed.

Base Cost Proposal Item 10 – In-Building Wireless Distributed Antenna. All work in connection with compliance of Fire Code 2009, Section 510 as it pertains to this facility, including but not limited to design, furnish and install an In-Building Wireless Distributed Antenna based on determination made by the Authority Having Jurisdiction once the construction is completed and prior to occupancy.

Base Cost Proposal Item 11 - Miscellaneous. All work not identified in Cost Proposal Items 1 through 9 above. This proposal will NOT include work regarding the Additive Alternate Items listed below.

ADDITIVE ALTERNATE ITEMS

Additive Alternate No. 1 - Landscaping and Flexible Asphalt Pavement for Main Parking Area and its Access. All work in connection with grading of unpaved areas identified within the construction documents as landscape areas, including preserving and maintaining existing landscape, preserving and maintaining existing trees, furnishing and planting of new trees, shrubs, bushes, mulch, turf grass sod, top soil, landscape fabric, boulders, mow curbs, and other elements that are part of the landscape, including placement of top soil from existing stock piles on the prepared sub grade and finish grading the topsoil, fertilization, stacking, erection of temporary barriers to prevent damage, watering, and general maintenance operations required to establish healthy growth after transplant All work in connection with the irrigation system outside from the lien of the building pertaining to the site and adjacent sites remedial work connections/separation of lines. All landscaping work in this additive alternate includes the landscape required without the construction of Additives Alternates 2 through 5.

Additive Alternate No. 2 - Twelve Billet Units. All work in connection with building and finishing 12 billet units, including all associated work within, around and included grid lines C to D between grid lines 1 to 4 of the construction documents. This additive alternate needs to deduct the work associated with site preparation, grading, sidewalks/walkways, security lighting, landscaping, and miscellaneous not required because of the construction of this additive alternate. The cost for each type of work is to be indicated separately as listed.

Additive Alternate No. 3 - Solar Panels. All work in connection with furnishing and installing solar panels to provide 30% of the annual domestic hot water use, including all associated other elements and accessories to complete the work in place, ready for service, and in accordance with the construction documents.

Additive Alternate No. 4 - Twelve Billet Units. All work in connection with building and finishing 12 billet units, including all associated work within, around and included grid lines B to C between grid lines 9 to 12 of the construction documents. This additive alternate needs to deduct the work associated with site preparation, grading, sidewalks/walkways, security lighting, landscaping, and miscellaneous not required because of the construction of this additive alternate. The cost for each type of work is to be indicated separately as listed.

Additive Alternate No. 5 - Twelve Billet Units. All work in connection with building and finishing 12 billet units, including all associated work within, around and included grid lines B to C between grid lines 1 to 4 of the construction documents. This additive alternate needs to deduct the work associated with site preparation, grading, sidewalks/walkways, security lighting, landscaping, and miscellaneous not required because of the construction of this additive alternate. The cost for each type of work is to be indicated separately as listed.

COST PROPOSAL SCHEDULE

Item Description	Quantities	Unit	Cost
Base Proposal Item 1 – BEQ Building			
a. BEQ Main Building	_____	SF	$_____
b. BEQ Service Building	_____	SF	$_____
c. Trash Enclosure	_____	SF	$_____
	Subtotal		**$_____**
Base Proposal Item 2 – Demolition, Site Preparation, Grading			
a. Demolition			$_____
b. Site Preparation			$_____
c. Grading			$_____
Base Proposal Item 3 – Rigid Pavement (Concrete)			
a. Access and Aprons	_____	SY	$_____
b. Fire Apparatus Access Road	_____	SY	$_____
c. Patio Areas	_____	SY	$_____
d. Pads	_____	SY	$_____
	Subtotal		**$_____**
Base Proposal Item 4 – Flexible Pavement (Asphalt)			
a. Access Roads and Aprons	_____	SY	$_____
b. Privately Owned Vehicle Parking	_____	SY	$_____
	Subtotal		**$_____**
Base Proposal Item 5 – Fencing	_____	LF	$_____
Base Proposal Item 6 – Sidewalks and Walkways	_____	SY	$_____
Base Proposal Item 7 – Utility Connections, Impact, and Permit Fees			
a. Utility Connections Fees			$_____
b. Impact Fees	Allowance		$ 75,000
c. Permit Fees			$_____
	Subtotal		**$_____**
Base Proposal Item 8 – Security Lighting			$_____

COST PROPOSAL SCHEDULE (continued)

Item Description	**Quantities**	**Unit**	**Cost**
Base Proposal Item 9 – Utility Connections and Exterior Fire Protection			
Utility Connections			
a. Water	_____		$_____
b. Gas	_____	LF	$_____
c. Storm Sewage System	_____	LF	$_____
d. Sewer	_____	LF	$_____
e. Electricity	_____	LF	$_____
f. Telecommunications/Information Technology	_____	LF	$_____
	Subtotal		**$_____**
Exterior Fire Protection			$_____
Base Proposal Item 10 - In-Building Wireless Distributed Antenna Allowance			$ 20,000
Base Proposal Item 11 – Miscellaneous			$_____
TOTAL BASE COST PROPOSAL AMOUNT			**$_____**
This amount MUST match the amount on the Revised DFCM Cost Proposal Form			

ADDENDUM FOUR

BEQ FACILITY
CAMP WILLIAMS, UTAH
FY13-PN 490076

STATE OF UTAH
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT
DFCM PROJECT NO. 10281480
APRIL 12, 2013

CODE OFFICIAL STAMP

EFT ARCHITECTS INC.

ADDENDUM FOUR

APRIL 12, 2013

DFCM PROJECT No. 10281480

FY 13 PROJECT No. 490076

EFT ARCHITECTS PROJECT No. 11007

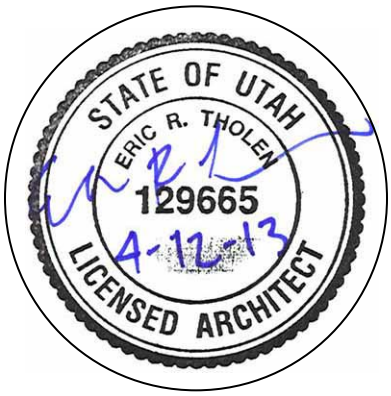
BACHELORS ENLISTED QUARTERS FACILITY

UTAH NATIONAL GUARD CAMP WILLIAMS

17800 SOUTH CAMP WILLIAMS ROAD

RIVERTON, UTAH 84065

EFT ARCHITECTS
265 EAST 100 SOUTH SUITE 250
SALT LAKE CITY, UTAH 84111-1604
801.521.8564 WWW.EFTARCH.COM



STAMP, SIGN AND DATE

DFCM - UNG Bachelors Enlisted Quarters Facility
DFCM Project No: 10281480
Addendum 4

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated February 15, 2013, as noted below. Acknowledge receipt of this Addendum in the space provided on the Proposal. Failure to do so may subject Bidder to disqualification.

This Addendum consists of Fifty One (51) addendum pages including the cover, Twenty (20) Description of the Addendum pages, Three (3) specification sections totaling Fourteen (14) pages, One (1) 8 ½ x 11 inch drawing, Three (3) 11 x 17 inch drawings and Twelve (12) 30 x 42 inch drawings.

SITE VISIT

For the bidders to walk and view the buildings being demolished on the site of BEQ project, UNG has set the following schedule:

DATE OF VISIT: Thursday April 18, 2013

TIME: 9:00 A.M. – Local Time

PLACE WHERE THE VISIT STARTS: Building 8000 Camp Williams

The Guard will provide the guides for the tour. For Questions Contact Matthias Mueller at 801-554-957.

CLARIFICATIONS

- The successful Bidder will receive a set of Construction Documents and Specifications including the addenda posted for the bid, and copies of the fire assemblies listed within the construction documents.

- Occupancy of this project is prohibited until a final inspection is conducted by the State Fire Marshal's office. A minimum three day notice shall be given for this inspection.

- A complete Fire Sprinkler System Documents submittal in compliance with the construction documents Specification Section 211313- Wet- Pipe Sprinkler Systems shall be submitted to the State Fire Marshal's office by the Contractor inclusive of a complete submittal form from Utah State Fire Marshal's website as required.

- A complete Fire Alarm System Documents submittal in compliance with the construction documents Specification Section 283111- Digital, Addressable Fire-Alarm System shalll be submitted to the State Fire Marshal's office by the

Contractor inclusive of a complete submittal form from Utah State Fire Marshal's website as required.

- Elevators are required to have elevator smoke guards. Elevator section E3/A317 indicates detail callout E2/A510. Smoke Guard floor plan detail callout will be added to detail E2/A510.

- Floor finishes of billets defined under Finish Schedules shown on sheets A707, A708, A709 contain Carpet 1 and Sheet Vinyl finishes. The layout of these finishes is defined under sheet A405. The sheet vinyl finish is immediately below and in front of the vanity. The remaining of the billet room is carpet. Notice the radius (of 5'-0") provided for the arch and the required distance (of 10") from the wall edge, projecting out from the vanity and aligning with the ends of it.

- Aluminum windows for this project are punched windows and storefront windows. Enlarged window elevations on sheet A706 are showing overall dimensions required and allow flexibility as it is understood each window manufacturer may have small differences in their frame sizes and typical rough opening gaps. Refer to General Note No. 11 of this same sheet that addresses this consideration.

- Contact John Densley or Shane Dennis at Utah Controls for ATC control pricing. Phone number: 801-990-1950

- Provide a clean out at the base of every vertical riser, at each turn in excess of 45 degrees and every 50' of the sewer line in straight runs.

- First Floor East Wing Stair: Wall type 23 is a 60 minutes fire-rated glass WALL with reinforced aluminum frames. Refer to stair enlarged plan E2/A308 as called on plans to find location of the wall type 23 plan, elevation and details for jamb, sill and head conditions.

QUESTIONS AND ANSWERS

4.QA01 The precast will likely be provided FOB jobsite for installation by the masonry contractors, as so much of the precast is integrated into the masonry. The connection of the precast to the structure needs to be done as the masonry and precast are erected or there may be no method of connection due to the insulation between the building structure and the precast. The connection designs of the precast should be determined by the architect and engineer of record **prior to bidding** as the precast in many cases appears to be stacking and there could be seismic and drift issues if the connections (at least

conceptually) are not indicated in the bid documents, otherwise there could be great discrepancies in the method and costs of the connections of the precast to the structure.
Response:

- The architectural/engineering team will NOT dictate means and methods. Means and methods are to be determined by the successful bidder (contractor).
- Subject to compliance with all requirements, the assignments of work are dictated by the successful bidder (contractor).
- The seismic drift is indicated in the general structural notes. The seismic drift is not large and may be accommodated in the precast joints.
- Conceptually connections are shown on construction set of drawings.
- The precast concrete work shall comply with the construction document drawings, notes and specifications requirements.

4.QA02 Is the project Buy American?

Response: Yes, The MCCA with Guard Bureau requires for this project to comply with the Buy American Act.

4.QA03 Who provides the roof pavers?

Response: The architectural/engineering team will NOT dictate means and methods or assignments of work. Subject to compliance with all requirements, the assignments of work are dictated by the successful bidder (contractor). Approved manufacturers are specified under construction documents Specification Section 071413, 2.6.

4.QA04 Is there any precast on the site work, wall caps or otherwise?

Response:

- Yes, there are site planters with precast concrete. Refer to the construction document civil site drawings indicating planters and to architectural drawings for the service building on A104; Missing Key Notes description being added per this addendum. Typical section for precast concrete planter cap being added per this addendum.

- Yes, there are precast concrete wall caps as indicated on the construction documents drawings.

- Yes, there are other areas besides site work and walls with precast concrete. Refer to the construction documents drawings.

4.QA05 Specification 034500: 1.6.A. The requirement for a PCI certified installer should be eliminated as the precast installation will likely be done by a masonry contractor.

Response: No, The requirement for a PCI certified installer will NOT be eliminated. The Architectural/engineering team will NOT dictate means and methods or assignments of work. Subject to compliance with all requirements, the assignments of work are dictated by the successful bidder (contractor).

4.QA06 Specification 034500: What is meant by 2.1.A as to the delegated engineer? Can' t the precast be designed by any qualified engineer, even an in house engineer employed by the precaster?

Response: A delegated engineer is a qualified professional engineer as defined under Specification Section 014000 ‘Quality Requirements”.

4.QA07 Specification 034500: 2.3.A. Requires cement and aggregates from within a 500 mile radius but 2.3.B requires white cement. We are unaware of any

white cement manufactured within 500 miles of the jobsite. Can this requirement be waived?

Response: The 500 mile requirement has been deleted from the requirements per this addendum. The white cement is still a requirement.

4.QA08 Specification 034500: 2.3.D.5. Match architects sample, what is it?

Response: Item D of 2.3 is referring to coloring admixture. Item 5 indicates the architect has a color sample for colors 1 and 2 that need to be matched.

4.QA09 Specification 034500: 2.4.L Zinc-coating, is this only required if the steel is exposed to weather?

Response: Zinc-coating is required for exterior finish of steel items, steel in exterior walls and items indicated for galvanizing regardless if exposed to view, moisture, weather etc.

4.QA10 Specification 034500: 2.10.A.1. Calls for a smooth finish, sand texture, match architects sample, what is wanted?

Response: 2.10.A defines how the finishes for the precast concrete need to be, inclusive of exposed-face surfaces of architectural precast concrete units that need to match approved sample panels and mockups as define under numeral 1, Smooth Finish: Smooth textured sand finish matching the architect's sample.

4.QA11 Drawings: What is detail C1/ A514 calling for in the notation "exterior weather sealant"?

Response: Please refer to Addendum 3 where this same question was asked and it was already responded.

4.QA12 Drawings: C1/A514- Panels 3" thick with 3/4" deep reveals may not be practical and may lead to breakage of larger panels.

Response: Refer to construction documents precast concrete sheets General Notes, item 3. Precast concrete panels need to be furnished in compliance with stated under the construction documents inclusive of the specification section 034500- PRECAST ARCHITECTURAL CONCRETE.

4.QA13 Drawings: There are numerous returns or vertical casts that exceed 20". Can these be rejoined with quirk miters or butt joints? See details on A511E, F&G or similar conditions. False quirk miters could be used at other locations to maintain similar type details.

Response:

- The returns can NOT be rejoined with quirk miters or butt joints.
- Miters for casts will be allowed only where miters are called out for casts in the drawings.

4.QA14 Drawings: The "U" shaped panels (JJ3 and sim.) on D 1/ A518A are not practical to make in single pieces and must be rejoined.

Response: The “U” shaped panels at the main east entry of the building need to be bid as shown.

4.QA15 Drawings: A504 detail E5 calls for the precaster to support the sills and headers. These sills and headers will be made solid for cost savings. The support of the sills and headers should be by the masons that would install the sills and headers in conjunction with the window and door jambs and masonry at the same time.

Response:

- Detail E5/A504 is showing the construction elements for the jamb, sill and head conditions of some of the punched windows, but it is not assigning who does and who does not do any of the work. Once more, the architectural/engineering team will NOT dictate means and

methods or assign who does the work. Subject to compliance with all requirements, the assignment of work is dictated by the successful bidder (contractor).

- Refer to detail C1/A513 showing details, sizes and notes for precast concrete sills, jambs and headers. The details notes consider and allow the pieces to be solid. The architect will NOT dictate on this decision. It is a responsibility of the successful bidder to present the final structural design calculations in compliance with all the requirements stated within the construction documents to fabricate and install the precast concrete elements inclusive of the required support to attach such elements to the provided structure. The precast concrete structural design, requirements and installation shall be in compliance with stated under the construction documents and specifications for precast concrete.

4.QA16 Drawings: The header detail on A504 shows a support angle at the header this should be provided by the masonry installer also.

Response: The architectural/engineering team is NOT going to dictate means and methods or assigning who does the work. Subject to compliance with all requirements, the assignment of work is dictated by the successful bidder (contractor).

4.QA17 Drawings: Details B4 & D4 /A506 show precast against the building behind other precast, this appears to be incorrect and is contradictory to details on D1/A512, D1/A515 and similar.

Response: The Details B4/A506 & D4/A506 are correct. The precast concrete panels adjacent to the exterior rigid insulation are necessary to satisfy code requirements. Any precast concrete panels with an air space wider to 2" between the exterior face of the rigid insulation and the back side of the precast concrete need this additional concrete panel. Enlarged drawings with these conditions will be revised per this addendum.

4.QA18 Drawings: Who provides the tube steel framing shown on E3/ A521 behind the precast at the engaged columns, it is not shown on the architectural or structural drawings? This tube steel framing connected to the building and footings will have to take unknown seismic forces as it support the precast.

Response: Refer to construction documents precast concrete sheets General Notes, item 1. Precast Concrete support elements are shown dashed, only revealing conceptually the possible precast concrete support elements design intent. Precast concrete panels need to be furnished and installed in compliance with stated under the construction documents inclusive of the specification section 034500- PRECAST ARCHITECTURAL CONCRETE.

4.QA19 The alternates are not identified on the electrical drawings. This is causing difficulty with electrical estimators.

Response: Refer to sheet ES101 re-issued under Addendum 3.

4.QA20 The alternates listed on the overall site plan CS101 do not seem to match the descriptions or architectural drawings.

Response: This question was answered under Addendum 3.

4.QA21 Alternates are not identified on the enlarged architectural drawings.

Response: This question was answered under Addendum 3.

4.QA22 Drawings: "…the IDS/ACS is indicated on the ET set of plans. Where is the IDS/ACS specification?"

Response: There is no intrusion detection system (IDS) shown on the ET sheets. The card reader and door type symbols shown are in reference to the non-billet doors that will be provided with the same "hotel" style card entry system that is being provided for each of the billet doors (Type 1). This entry system was selected by the UTNG based on previous installations at Camp Williams and has been specified in other specification sections. Delete the information listed under the "Division of Work and Comments" section as to requirements by the security contractor. Coordinate rough in with architect and door hardware provider.

4.QA23 Specifications: "Spec Section 275319 – In-Building Wireless Distributed Antenna System. Will this system be included on this project? If so, where is it located?"

Response:

- The note on Sheet EE001 referring to Section 275319 for compliance with the new Fire Code requirements is being modified by this addendum to say: **FIRE CODE COMPLIANCE: CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE FIRE CODE (2009) SECTION 510, AS IT PERTAINS TO THIS FACILITY. THE SCOPE OF WORK IS FOUND IN SPECIFICATION SECTION 275319.**

- The base bid is providing an allowance of $20,000.00 in the bid for this work per this addendum. If the work is not needed the total amount of the allowance will return to the owner.

- Not all facilities require a DAS system and it is generally not known for certain until construction is completed. The AHJ will determine if the facility requires the system after construction and prior to occupancy. If the AHJ clears the facility for occupancy without the system, then it need not be installed. The contractor is required regardless of complying with this new Fire Code, Section 510.

- Section 275319 is a performance based document that requires the services of qualified designers and installers to perform the work.

4.QA24 I tried contacting the Utah Correctional Industries, however the email they have established in their online contact system does not work. Do you have another means to contact them? Without contacting them we cannot obtain pricing. Given that this is a state agency would it not be better to have them furnish the signage to the contractor and have the contractor install it?

Response:

- UCI Contact Information:
  Monday through Friday from 0700 to 1400 Hours
  Phone: 801-576-7724
  Fax: 801-572-2489
  UCIsignshop@utah.gov

- The successful Bidder is responsible for furnishing and installing the signage, inclusive of final coordination with UNG and Architect for updated naming, color, etc.

4.QA25 Detail E5/A503&A504 show precast sills and lintels, these will be made solid not hollowed out. How is the precast to attach to the masonry through the insulation?

Response:

- Details E5/A503 & E5/A504 are showing the construction elements for the jamb, sill and head conditions of punched windows, but they are not assigning who does and who does not do any of the work. Once more, the architectural/engineering team will NOT dictate means and methods or assign who does the work. Subject to compliance with all requirements, the assignment of work is dictated by the successful bidder (contractor). Details on C1/A513 already allow the sills, jambs and headers to be solid if necessary.

- The precast concrete engineer hired by the precast manufacturer needs to engineer the supports for the precast and their attachments to the provided structure. If the supports penetrates the continuous rigid insulation, the insulation needs to be repaired and sealed in accordance with construction documents Specification Section 072100, 3.2, C and Specification Section 042000, 3.6, C.

4.QA26 It appears Alternate 1 – Landscaping & Asphalt Paving has three alternates within itself, since all the landscaping is one alternate all the other alternates pertaining to adding billets would only apply if the landscaping alternate is accepted? Am I correct?

Response: Alternates are additive alternates to the base bid. Accepted Alternates shall be taken in consecutive order, following the same order listed in the Bid Form starting with Additive Alternate No. 1.

Deductions indicated within an alternate shall apply only if that alternate is added and accepted as part of the contract.

CHANGES TO SPECIFICATIONS

SPECIFICATIONS

Section 000110 - TABLE OF CONTENTS

1. Replace Section 000110 AD3 with revised Section 000100 AD4.

Section 012100 - ALLOWANCES

1. Replace Section 012100 AD3 with revised Section 012100 AD4.

Section 034500 - PRECAST ARCHITECTURAL CONCRETE

1. Delete 1.4.B.2, regarding Regional Materials.
2. Delete 2.3.A, regarding Regional Materials.

Section 042000 - UNIT MASORY

1. At 2.9, revise paragraph A and subparagraph 1 to read as follows:

   "A. Metal Flashing (Thru-Wall Metal Flashings at Parapet Caps, and Drip Edges): Provide metal flashing complying with SMACNA's "Architectural Sheet Metal Manual" and as follows:

      1. Stainless Steel: ASTM A 240/A 240M, Type 304, minimum 0.016 inch thick, but not less than thickness required to span air gaps without oil canning.

Section 071413 - HOT-FLUID APPLIED RUBBERIZED ASPHALT WATERPROOFING

1. At 2.2.A.1, add: "d. W.R. Meadows; 714."

Section 072726 - FLUID-APPLIED MEMBRANE AIR BARRIERS

1. At 2.3.A.1.a, add: "4) W.R. Meadows."
2. At 2.4.A.1.a, add: "4) W.R. Meadows."

Section 077200 - ROOF ACCESSORIES

1. At 2.3.A.1 add: "c. Lane-Aire Manufacturing Corporation." Renumber remaining paragraphs.

Section 084113 - ALUMINUM FRAMED ENTRANCES AND STOREFRONTS

1. At 2.1.I.1, revise paragraph to read: "Thermal Transmittance (U-factor): Fixed glazing and framing areas shall have U-factor of not more than 0.42 Btu/sq. ft. x h x deg F as determined according to NFRC 100."

Section 085113 - ALUMINUM WINDOWS

1. At 2.2.C, revise paragraph to read: “Thermal Transmittance: NFRC 100 maximum whole-window U-factor of 0.42 Btu/sq. ft. x h x deg F.”

Section 083000 - FIRE- AND SMOKE- RATED CURTAINS

1. Add new section 083000.

Section 088000 - GLAZING

1. At 2.2, add the following:

   “D. Ceramic-Coated Spandrel Glass: ASTM C 1048, Condition B, Type I, Quality-Q3, and complying with other requirements specified.

      1. Ceramic Coating Color: As selected by Architect from manufacturer's full range.”

2. At 2.10, add the following:

   “C. Glass Type IG-3: Tinted insulating spandrel glass, fully tempered.

      1. Overall Unit Thickness: 1 inch.
      2. Thickness of Each Glass Lite: 6.0 mm.
      3. Outdoor Lite: Tinted fully tempered float glass.
      4. Interspace Content: Air.
      5. Indoor Lite: Clear fully tempered float glass.
      6. Spandrel Coating: Ceramic on fourth surface.
      7. Winter Nighttime U-Factor: 0.29 maximum.
      8. Summer Daytime U-Factor: 0.28 maximum.
      9. Provide safety glazing labeling.”

   Renumber remaining paragraphs.

Section 096513 - RESILIENT BASE AND ACCESSORIES

1. At 2.2.A, add: “4. Mannington Commercial.” Renumber remaining paragraphs.

Section 102233 - ACCORDIAN FOLDING PARTITIONS

1. At 1.7.D.1, add the following sentence at end of paragraph: “Accordion folding partition and operation shall comply with 2009 International Building Code 1008.1.4.3.”
2. At 2.1.A.1, revise a, b, and c, to read as follows:

      a. The Cookson Company, Inc.
      b. Cornell Iron Works, Inc.
      c. Won-Door Corporation.

3. Delete paragraph 2.4.D.1. Renumber remaining paragraphs.

SECTION 235613
1. Change paragraph 2.4 to the following:

Controls: Solar Water Heating System shall be provided with all control panels, controls, sensors, relays, controllers as necessary for a functioning system.

The solar hot water system shall be controlled by a Caleffi iSolar BX controller with BACnet provided by the equipment manufacturer. The controller shall be tied into the building management system. The contractor will install and wire all system controls. Two pumps shall be provided for this system. The solar pump shall circulate water between the solar collectors and the drainback tank based on sensor readings in each piece of equipment. The transfer pump shall circulate water between the drainback tank heat exchanger and the hot water storage tank based on sensor readings in each piece of equipment

When the solar collectors reach a minimum temperature of 120°F and the ΔT between the drainback tank and collectors is at least 12°F the controller shall start the solar pump and modulate its speed based on the ΔT between the panels and drainback tank. The solar pump shall stop when the ΔT reaches 8°F and the water shall drain from the panels to the drainback tank.

When the drainback tank has a minimum temperature of 40°F and the drainback tank temperature is no less than 12°F above the storage tank temperature, the controller shall start the transfer pump and modulate its speed based on the ΔT between the tanks. The transfer pump shall stop when the ΔT between the drainback and storage tanks reaches 8°F. When the storage tank water temperature reaches 180°F both pumps shall disengage and the water shall drain from the panels to the drainback tank.

The ATC contractor shall integrate and interface with the factory furnished controls for monitoring purposes.

SECTION 230900
1. Change paragraph 1.7.D.1 to the following:

D. The Electrical Contractor shall provide:
1. All power wiring to all smoke damper actuators for smoke control sequence.

1. Change paragraph 3.2.D to the following:

All ATC wiring is required to be installed in conduit, EMT shall be used. Conduit shall be minimum 1/2 inch galvanized EMT. Set screw fittings are acceptable for dry interior locations. Watertight compression fittings shall be used for exterior locations and interior locations subject to moisture. Provide conduit seal-off fitting where exterior conduits enter the building or between areas of high temperature/moisture differential.

2.

SECTION 230993-5
1. Change Solar Water Heating paragraphs to the following:

Solar Water Heating:

The ATC contractor shall integrate and interface with the factory furnished controls for monitoring purposes.

SECTION 230993
1. Add the following paragraph:

Packaged Booster Pump:

The ATC contractor shall integrate and interface with the factory furnished controls for monitoring purposes.

PRIOR APPROVALS

The following manufacturers, trade names and products are allowed to bid on a name brand only basis with the provision that they completely satisfy all and every requirement of the drawings, specifications and all addenda shall conform to the design, quality and standards specified, established and required for the complete and satisfactory installation and performance of the building and all its respective parts.

Item	**Manufacturer**
Air Separators	Patterson Pump, Wheatley, Flo Fab
Automatic Air Vents	IFC, Spirotherm, Wheatley
Automatic Flow Control Valves	Danfoss, Hays, Bell & Gossett
Boilers	RBI, Thermal Solutions, Camus
Calibrated Balancing Valves	Danfoss, Gerand
Check Valves	Titan, IFC, Metraflex
Control Dampers	Greenheck
Control Valves	Danfoss

Cooling Towers	Tower Tech
Domestic Pumps	Flo Fab
Drain Back Tanks	Elbi
Drainage Specialties	Zurn
Duct Access Doors	Ruskin
Electric Unit Heaters	Q-Mark
Expansion Tanks	Patterson Pump, Flexcon, Wheatley, Flo Fab, Elbi
Fan Coils	Magic Air, IEC, Airtherm, Enviro-Tec
Faucets	American Standard, Zurn, Chicago
Fire Protection	Quality Fire Protection
Flex Connectors	Twin City Hose, Wheatley, Metraflex
Flex Ducts	Thermaflex
Harmonic Testing	ETC Group, AMSS
Heat Exchangers	Polaris, Flo Fab
Hot Water Unit Heaters	Sterling, Sigma, Rittling, Beacon Morris, Airtherm
HVAC Power Ventilators	Twin City Fan
HVAC Pumps	Patterson Pump, Flo Fab
Hydronic Specialties	Flo Fab
Listed Special Gas Vents	Van Packer, Protech Systems
Plumbing Fixtures	Zurn
Pump Suction Diffusers	Patterson Pump
Solar Panels	Kingspan
Split A/C Units	LG, Daikin
Storage Tanks	Raypak, HTP, Flo Fab, Lochinvar, PVI
Strainers	Titan, IFC, Metraflex
Toilet Seats	Comfort Seats
VFDs	Danfoss, Eaton Cutler Hammer
Water Coolers	Sunroc/Oasis, Acorn Aqua
Water Heaters	Raypak, HTP, RBI, Lochinvar, PVI, Bell & Gossett
Water Softeners	Marlo

CHANGES TO DRAWINGS

ARCHITECTURAL

4.A01 Sheets A101A, A101B, A102A, A102B, A103A, A103B: Modify Key Note 14 to read: WALL WITH CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE – SEE CODE PLAN.

4.A02 Replace Sheet A104 with the enclosed updated Sheet A104. The followings are the updates made:

- Added the description of the keynotes called by the drawings.

- Added planter's typical section detail callout.

4.A03 Add to General Notes of sheet A111 the general note 17 to read: CONTINUOUS ROOF INSULATION MUST PROVIDE AN R-VALUE OF 38 MINIMUM.

4.A04 Replace detail E4/A509 with the enclosed updated detail AD4-A01 drawing.

4.A05 Replace detail E3/A509 with the enclosed updated detail AD4-A02 drawing.

4.A06 Detail E2/A510: Add detail callout D2/A510 to detail. Remove the description GYPSUM BD from arrow leader pointing to ceiling.

4.A07 Replace Sheet A512 with the enclosed updated Sheet A512. The followings are the updates made:

- Modified precast engaged column floor plan.
- Added notes to precast engaged column floor plan.

4.A08 Replace Sheet A515 with the enclosed updated Sheet A515. The followings are the updates made:

- Modified precast engaged column floor plan.
- Added notes to precast engaged column floor plan.

4.A09 Add detail A2 to sheet A519M per the attached AD4-A03 drawing.

4.A10 Detail A2/A521: Replace description of arrow leader pointing to continuous roof insulation to read: ROOF INSULATION.

4.A11 Detail A4/A521: On left side of parapet wall replace description of arrow leader pointing to continuous roof insulation to read: ROOF & CRICKET INSULATION.

4.A12 Replace detail E3/A521 with the enclosed updated detail AD4-A04 drawing.

4.A13 Detail E4/A522: On left side of parapet wall replace description of arrow leader pointing to continuous roof insulation to read: ROOF & CRICKET INSULATION.

4.A14 Detail E6/A522: Correct misspelling: Replace description of arrow leader pointing to roof metal deck to read: ROOF METAL DECK- SEE STRUCTURAL DRAWINGS.

4.A15 Detail E6/ A701- FRAME TYPES: Modify FRAME 3 header to be 4" high. The overall dimension of the frame from finish floor to top of frame needs to remain unchanged and reading 7'-4" high.

4.A16 Sheet A702 – DOOR SCHEDULE SECOND FLOOR: Modify the height of doors 225A, 229A, 253A, 257A to be 7'-0".

4.A17 Sheet A703 – DOOR SCHEDULE THIRD FLOOR: Modify the height of doors 325A, 329A, 353A, 357A to be 7'-0".

4.A18 Sheet A706 – WINDOW ELEVATIONS: Window Type 2: Add an additional glazing callout to read: IG-2. Add an arrow leader pointing to this added IG-2 with the following description: ONLY FOR STAIR TOWERS GLAZING OF SECOND AND THIRD FLOORS.

MECHANICAL

4.M01 Sheet P100

1. This sheet is for general information. Coordinate with plumbing drawings.

4.M02 Sheet P101A

1. At Latrine 118L coordinate location of roof drain piping with chase.

ELECTRICAL

4.E01 Sheet EE001 – FIRE CODE COMPLIANCE NOTE. Replace with the following:

a. " Contractor shall be responsible for complying with the Fire Code (2009) Section 510, as it pertains to this facility. The Scope of Work is found in Specification Section 275319."

4.E02 Sheet EP101B – Sheet reissued with the following changes:

a. Added power for the fire door at the stairwell entry across from Lobby 143.

4.E03 Sheet EL101A – Sheet reissued with the following changes:

a. Added power connections for (2) exit signs near Vestibule 100.
b. Added (1) exit sign on the lower ceiling to the east of Vestibule 100 for increased visibility.
c. Added power connection for (1) exit sign in Stair 190.
d. Added (1) exit sign on the lower ceiling to the east of Vestibule 194 for increased visibility.

4.E04 Sheet EL101B – Sheet reissued with the following changes:

a. Added (2) 2-sided exit signs near Dayroom NE-165. Deleted (2) single sided exit signs in the corridors near the same dayroom.
b. Added (1) exit sign in the stairwell across from Front Desk 150.
c. Added (2) 2-sided exit signs near Dayroom SE-130. Deleted (1) single sided exit sign in the corridor near the same dayroom.
d. Added power connection to the exit sign in Lobby 143.
e. Added (2) exit signs on the lower ceilings of the corridors entering the lobby area for improved visibility.
f. Add (2) exit signs in Main Electrical Room-127.
g. Change one of the SA-1 fixtures to an ESA-1 fixture with a battery pack.

4.E05 Sheet EL102A – Sheet reissued with the following changes:

a. Added (1) exit sign directly above the door to the stairwell on the west end of the north wing. Relocated the existing exit sign to the east to the lower ceiling for visibility. Added circuiting to the exit signs at that stair.
b. Added (1) exit sign directly above the door to the stairwell on the west end of the south wing. Relocated the existing exit sign to the east to the lower ceiling for visibility. Added circuiting to the exit signs at that stair.

4.E06 Sheet EL102B – Sheet reissued with the following changes:

a. Added (2) 2-sided exit signs in the corridors near Dayroom SE-227. Relocated (2) single sided exit signs in the adjoining corridors into Dayroom SE-227. Added power connections to the exit signs.

b. Added (2) 2-sided exit signs in the corridors near Dayroom NE-255. Relocated (2) single sided exit signs in the adjoining corridors into Dayroom NE-255. Added power connections to the exit signs.
c. Added (1) exit sign directly above the door to the middle stair. Added circuiting to the exit signs at the middle stair.

4.E07 Sheet EL103A – Sheet reissued with the following changes:

a. Added (1) exit sign directly above the door to the stairwell on the west end of the north wing. Relocated the existing exit sign to the east to the lower ceiling for visibility. Added circuiting to the exit signs at that stair.
b. Added (1) exit sign directly above the door to the stairwell on the west end of the south wing. Relocated the existing exit sign to the east to the lower ceiling for visibility. Added circuiting to the exit signs at that stair.

4.E08 Sheet EL103B – Sheet reissued with the following changes:

a. Added (2) 2-sided exit signs in the corridors near Dayroom SE-327. Relocated (1) single sided exit signs in the adjoining corridor into Dayroom SE-327. Added (1) exit sign in Dayroom SE-327. Added power connections to the exit signs.
b. Added (2) 2-sided exit signs in the corridors near Dayroom NE-355. Relocated (2) single sided exit signs in the adjoining corridors into Dayroom NE-355. Added power connections to the exit signs.
c. Added (1) exit sign directly above the door to the middle stair. Added circuiting to the exit signs at the middle stair.

4.E09 Sheet FA101B – Sheet reissued with the following changes:

a. Added (2) smoke detectors for operation of the fire door at the stairwell entry across from Lobby 143.

END OF ADDENDUM No. 4

SECTION 000110 AD4 - TABLE OF CONTENTS

END SECTION 000110 AD4

SECTION 012100 AD4 - ALLOWANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements governing allowances.

B. Types of allowances include the following:

1. Fee allowance.
2. Lump sum allowance.

1.3 INFORMATIONAL SUBMITTALS

A. Submit invoices to show actual costs for use in fulfillment of each allowance.

1.4 FEE ALLOWANCE

A. Fee allowance includes the cost of South Valley Sewer District and South Valley Water Reclamation fee.

B. Contractor's costs for overhead and profit, and similar costs related to allowance shall be included as part of the Contract Sum and not part of the allowance.

C. After payment of fees, credit unused amounts remaining in the fee allowance to Owner by Change Order.

1.5 LUMP SUM ALLOWANCE

A. Lump sum allowance includes the cost of the Emergency Responder Radio Coverage system.

B. Credit unused amounts remaining in the lump sum allowance to Owner by Change Order.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALLOWANCES

A. Allowance No. 1: Include the sum of $75,000.00 for South Valley Sewer District and South Valley Water Reclamation fee, which includes:

1. Impact fee.
2. Commercial and institutional inspection.
3. Main line and lateral stub inspection fees and design review fees.

B. Allowance No. 2: Include the sum of $20,000.00 for the design and installation of the Emergency Responder Radio Coverage system.

1. This allowance includes design, materials and installation, and Contractor overhead and profit.
2. Refer to Electrical drawings and specifications including Sheet EE001, and Section 275319 - In-Building Wireless Distributed Antenna System, for complete information.

END OF SECTION 012100 AD4

SECTION 083000 AD4 - FIRE- AND SMOKE- RATED CURTAINS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Automatic closing fire- and smoke- rated curtains at elevator doors.

1.3 ACTION SUBMITTALS

A. Product Data: For each type and size of fire- and smoke- rated curtain and accessory.

1. Include construction details, material descriptions, dimensions of individual components, and finishes.
2. Include rated capacities, operating characteristics, electrical characteristics, and furnished accessories.
3. Include description of automatic closing device and testing and resetting instructions.

B. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data.

1. Include plans, elevations, sections, and mounting details.
2. Include details of equipment assemblies, and indicate dimensions, required clearances, method of field assembly, components, and location and size of each field connection.
3. Include points of attachment and their corresponding static and dynamic loads imposed on structure.
4. Show locations of controls and other accessories.
5. Include diagrams for power, signal, and control wiring.

C. Samples for Initial Selection: Manufacturer's finish charts showing full range of colors and textures available for units with factory-applied finishes.

1. Include similar Samples of accessories involving color selection.

D. Product Approval Reports: Submit copy of manufacturer’s Listing Report and Authorization To Mark clearly detailing the description of product, fire endurance test

method, test results and test conclusions of the test criteria as conducted and witnessed by a United States accredited testing laboratory such as Underwriters Laboratories (UL) or Intertek-Warnock Hersey (Intertek). Testing agency's Listing Report shall clearly state that the fire- and smoke- rated curtains have been tested and approved to the standards and criteria of UL 10B (20 minutes minimum), UL 10D (60 minutes minimum), and UL 1784 Smoke & Draft rating.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For fire- and smoke- rated curtains to include in maintenance manuals.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer for installation of units required for this Project.

B. Fire- and Smoke- Rated Assemblies: Provide all curtains with fire- and smoke-resistance rating required to comply with governing regulations which are inspected, tested, listed and labeled by UL or Intertek and complying with NFPA 80 for class of opening. Provide units tested, approved and labeled under the UL 10B, UL 10D and UL 1784 standards. Provide testing agency label permanently fastened to each fire- and some- rated curtain assembly as evidence of product compliance.

C. Regulatory Requirements: Comply with applicable requirements of the laws, codes, ordinances and regulations of federal, state and municipal authorities having jurisdiction

1.7 DELIVERY, STORAGE AND HANDLING

A. General: Deliver and store materials in manufacturer's original packaging, labeled to show name, brand and type. Store materials in a protected dry location off the ground in accordance with manufacturer's instructions.

1.8 WARRANTY

A. Special Warranty: Furnish written warranty signed by the manufacturer and installer agreeing to repair or replace work which has failed as a result of defects in materials or workmanship. Upon notification within the warranty period, such defects shall be re-paired at no cost to the Owner.

1. Warranty Period: Two years.

PART 2 - PRODUCTS

2.1 MANUFACTURERS, GENERAL

A. Source Limitations: Obtain fire- and smoke- rated curtains from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

A. Seismic Performance: Overhead fire- and smoke- rated curtains shall withstand the effects of earthquake motions determined according to ASCE/SEI 7.

1. Component Importance Factor: As indicated on structural drawings.

2.3 FIRE- AND SMOKE- RATED CURTAIN ASSEMBLY

A. Fire- and Smoke- Rated Curtain: Overhead fire- and smoke- rated coiling curtain.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. McKeon Rolling Steel Door Company, Inc.
b. Smoke and Fire Protection Systems.
c. U.S Smoke and Fire; CYSA.

B. Fire Rating: 20 minute minimum (UL 10B), 60 minute minimum (UL 10D), with smoke and draft control.

C. Electric Door Operator:

1. Safety: Listed according to UL 325 by a qualified testing agency for commercial or industrial use.
2. Motor Exposure: Interior.

2.4 MATERIALS, GENERAL

A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

2.5 CURTAIN MATERIALS AND CONSTRUCTION

A. Curtain: Manufacturer's standard fire- and smoke- rated reinforced fabric curtain.

B. Egress: Curtain shall be readily operable from the elevator cab side without the use of a key, tool, or special knowledge or effort and method of operation shall be acceptable to the Authority Having Jurisdiction.

C. Bottom Bar: A weighted bottom bar shall be provided to prevent deflection and ensure correct operation under gravity. Bottom bar shall be designed of adequate size and weight to keep the curtain fully extended, taut and level when the unit is activated to the self-closing position while preventing any deflection caused by the building's air pressure currents.

D. Guide Assemblies: Each guide assembly shall be fabricated of a steel mounting adjustment angle or channel with an integral pressure retaining side guide. Each pressure retaining guide shall be fitted with UL approved and classified smoke seals.

E. Mounting Brackets: Fabricated of minimum 14 gauge steel plates, brackets shall be provided to house and support ends of the barrel assembly.

F. Hood: Shall be provided to entirely enclose curtain and barrel assembly. Hood shall be fabricated of minimum 18 gauge galvanized steel formed to match brackets. Top and bottom shall be bent and reinforced for stiffness. Hood shall be fitted with UL approved and classified smoke seals.

G. Barrel Assembly: Fabricated of structural quality carbon steel seamless pipe of sufficient size and diameter to house operating motor drive, support curtain assembly and limit horizontal deflection of the fire- and smoke- curtain assembly.

H. Motor Drive Unit: Fire- and smoke- curtain shall be powered by an inboard 24 volt DC motor including gearbox assembly, electromechanical distance travel limit switches all linked to an internal 24 volt DC electromagnetic brake which allows the fire- and smoke- rated curtain to remain operational even during the loss of power to the motor drive unit.

I. Fail-Safe Release Device: A fail-safe release device shall be built into the motor drive unit as an integral part of the release mechanism. When power is interrupted to the release mechanism by an alarm condition, the fire- and smoke- curtain shall automatically self-close. In the event of power failure the time delay shall prevent the fire- and smoke- curtain from closing for a predetermined programmable period of 30 minutes, unless there is an alarm condition at which point the fire- and smoke- rated curtain shall immediately self-close. Once the predetermined programmable period of 30 minutes has lapsed, the fire- and smoke- rated curtain shall self-close. Once power has been restored and the alarm condition has been cleared, the release mechanism shall automatically reset and the fire- and smoke- rated curtain shall immediately become operable.

J. Test Feature: The fire- and smoke- rated curtain shall be designed so that it may be tested simply by activating the test switch. By turning the test switch to the "off" position, the draft curtain shall automatically self-close. Once the draft curtain assembly has satisfactorily closed, it shall be reset simply by turning the test switch back to the

"on" position. No ladders, tools or special equipment shall be required to test or reset the fire- and smoke- rated curtain.

K. Finish: After completion of fabrication, clean all metal surfaces to remove dirt and chemically treat to provide for paint adhesion. Hood, bottom bar and guide assembles shall be of a powder coat finish. Color as selected by Architect from manufacturers' full range.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates areas and conditions, with Installer present, for compliance with requirements for substrate construction and other conditions affecting performance of the Work.

B. Examine locations of electrical connections.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install fire- and smoke- rated curtains and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports; according to manufacturer's written instructions and as specified.

B. Install fire- and smoke- rated curtains, hoods, controls, and operators at the mounting locations indicated for each door.

C. Fire-Rated Doors: Install according to NFPA 80.

D. Smoke-Control Doors: Install according to NFPA 80 and NFPA 105.

E. Install wiring in accordance with applicable local codes and the National Electrical Code Standard. Materials shall be UL listed.

3.3 STARTUP SERVICE

A. Engage a factory-authorized service representative to perform startup service.

1. Perform installation and startup checks according to manufacturer's written instructions.
2. Test and adjust controls and safety devices. Replace damaged and malfunctioning controls and equipment.
3. Test curtain closing when activated by detector or alarm-connected fire-release system. Reset curtain closing mechanism after successful test.

3.4 ADJUSTING

A. Adjust hardware and moving parts to function smoothly so that curtains operate easily, free of warp, twist, or distortion.

B. Lubricate bearings and sliding parts as recommended by manufacturer.

C. Adjust seals to provide tight fit around entire perimeter.

3.5 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain fire- and smoke- rated curtains.

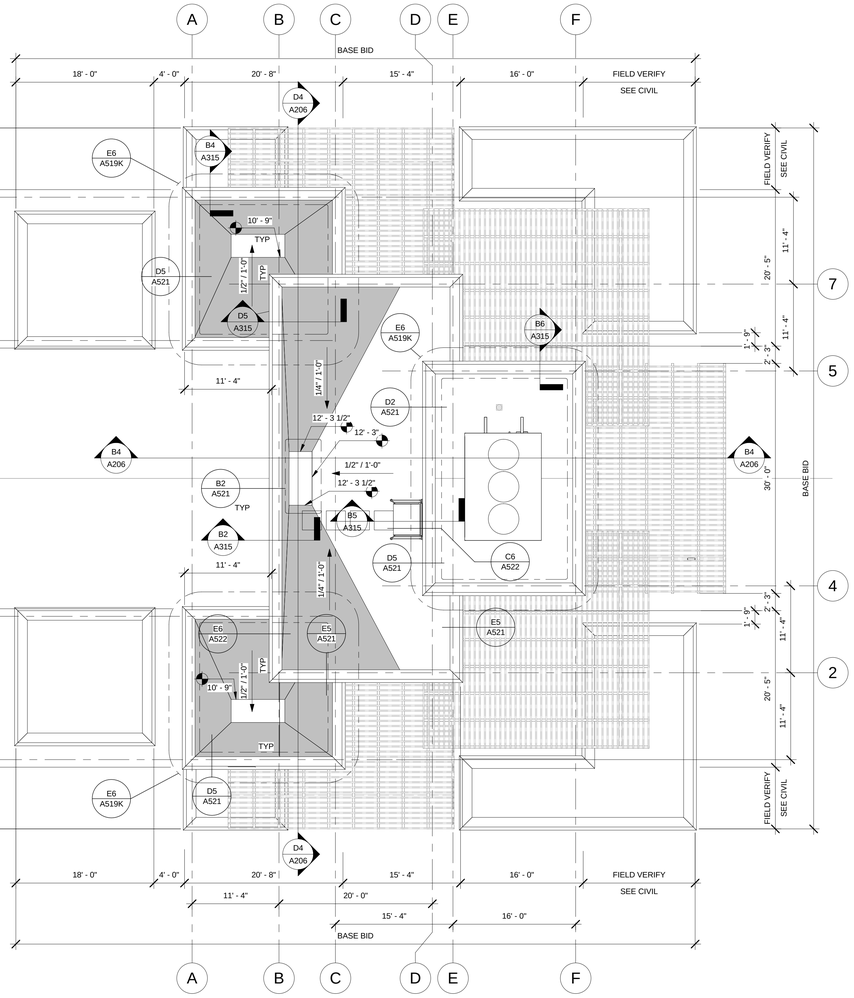
3.6 PROTECTION AND CLEANING

A. Protect installed work using adequate and suitable means during and after installation until accepted by owner.

B. Remove, repair or replace materials which have been damaged in any way.

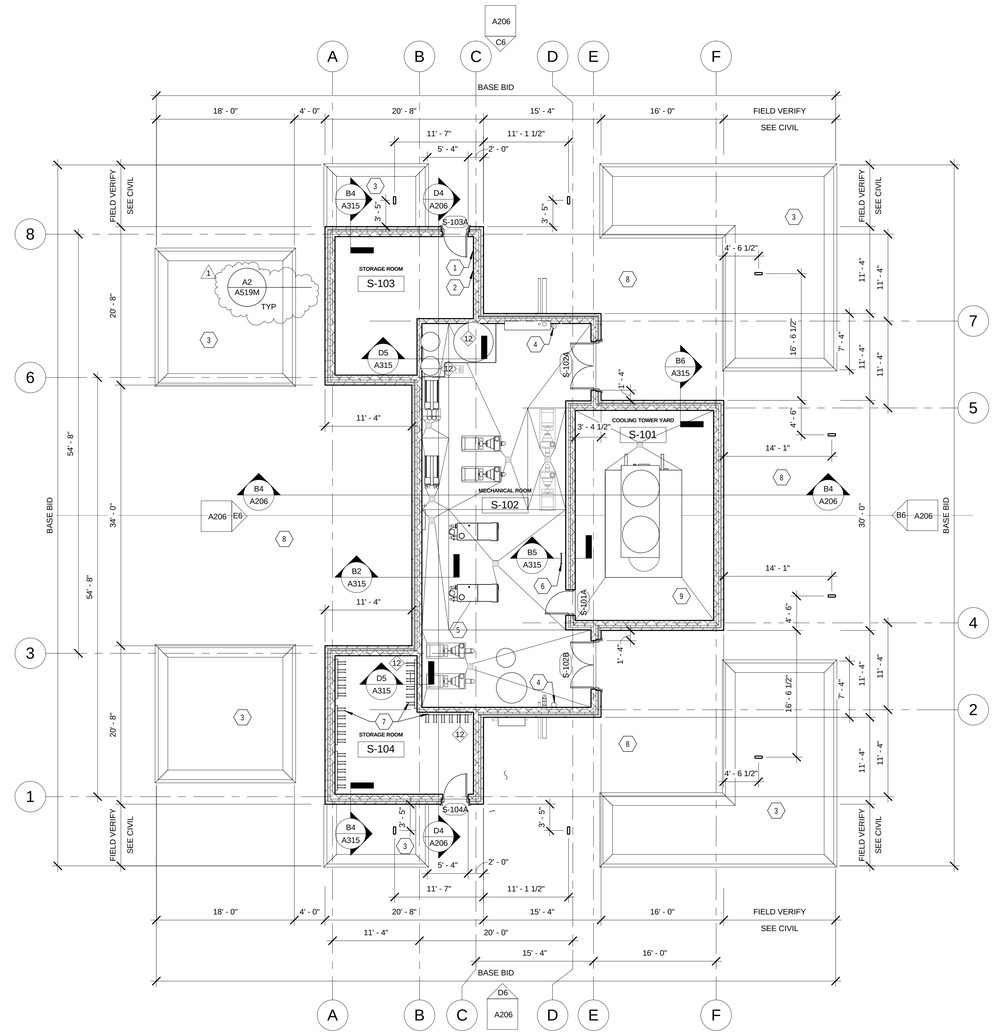
C. Clean surfaces of grime and dirt using acceptable and recommended means and methods

END OF SECTION 083000 AD4



2 ROOF & PARAPET PLAN
1/8" = 1'-0"

PLAN NORTH



1 1ST LEVEL
1/8" = 1'-0"

PLAN NORTH

KEYNOTES

1. 36" L. X 4 HOOK STRIP @ 4'-0" A.F.F.
2. 36" L. X UTILITY TRIP HOLDER @ 4'-0" A.F.F.
3. RAISED PLANTER - REFER TO CIVIL, LANDSCAPE DRAWINGS & DETAILS
4. FIRE EXTINGUISHER ON BRACKETS - EXTINGUISHER FURNISH BY OWNER & INSTALLED BY CONTRACTOR- SEE MOUNTING HEIGHTS
5. MECHANICAL CONCRETE PADS ARE NOT SHOWN - REFER TO MECHANICAL DRAWINGS
6. INTERIOR LADDER TO ROOF HATCH
7. VERTICAL BICYCLE RACK FOR 25 BIKES - REFER TO LEED CREDITS
8. EXTERIOR CONCRETE - SEE CIVIL DRAWINGS
9. DRAINAGE COURSE

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GENERAL NOTES

1. REFER TO THE CODE PLAN FOR FIRE RATED ASSEMBLIES. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF BLOCKOUTS & PENETRATIONS OF RATED ASSEMBLIES, MAINTAINING THE REQUIRED FIRE RATINGS.
2. REFER TO SITE PLAN, CIVIL AND STRUCTURAL DRAWINGS FOR CONSTRUCTION OF EXTERIOR SITE WALLS
3. REFER TO STRUCTURAL DRAWINGS FOR FRAMING REQUIREMENTS AT OPENINGS AND LARGE PENETRATIONS.
4. ATTACHMENT OF ANY WALL TO STRUCTURE IS TO ACCOMODATE DEFLECTION PER STRUCTURAL REQUIREMENTS.
5. CONTRACTOR SHALL NOT HANG ANYTHING TO THE DECK UNLESS AUTHORIZED BY STRUCTURAL ENGINEER.
6. ALL EXPOSED STRUCTURE, MECHANICAL & PLUMBING EQUIPMENT TO BE PAINTED, U.N.O.
7. CONTRACTOR SHALL NOT PERFORATE THE DECK UNLESS AUTHORIZED BY STRUCTURAL ENGINEER.
8. ROOF STRUCTURE IS SLOPED- REFER TO STRUCTURAL DRAWINGS
9. MAINTAIN MINIMUM 8" OF INSIDE FACE EXPOSED PARAPET HEIGHT ABOVE ROOF SYSTEMS & CRICKETS BEFORE STARTING THE FLASHING & WALL CAP (TYP).
10. TAPERED CRICKETS ARE OVERBUILT ON TOP OF MAIN ROOF ASSEMBLY.
11. PIPE PENETRATIONS AT ROOF SHALL COMPLY WITH REQUIREMENTS STATED IN MECHANICAL, PLUMBING, ELECTRICAL AND STRUCTURAL DRAWINGS - REFER TO ARCHITECTURAL ROOF DETAILS FOR PROPER FLASHING AND ROOF MEMBRANE TERMINATION.
12. MECHANICAL EQUIPMENT ON ROOF SHALL COMPLY WITH REQUIREMENTS STATED IN MECHANICAL, PLUMBING, ELECTRICAL AND STRUCTURAL DRAWINGS - REFER TO ARCHITECTURAL ROOF DETAILS FOR PROPER FLASHING AND ROOF MEMBRANE TERMINATION.
13. ROOFING MEMBRANE SEAMS SHALL NOT RUN THROUGH DRAIN SUMPS
14. KEYNOTES SHOWN ARE THE KEYNOTES USED PER THE DRAWINGS SHOWN PER SHEET (TYP)
15. ALL MATERIAL, POWER, LABOR AND ASSOCIATED WORK SHALL BE INCLUDED FOR ALL EQUIPMENT CALLED IN THE CONSTRUCTION DOCUMENTS (TYP)
16. CONTRACTOR IS RESPONSIBLE FOR PROPER COORDINATION OF ELECTRICAL CONNECTIONS REQUIRED FOR THE OPERATION OF DOOR HARDWARE -NO SURFACE MOUNTED ELECTRICAL CONNECTIONS ARE ALLOWED.
17. CONTRACTOR IS RESPONSIBLE FOR PROPER FOLLOW-UP AND COMPLIANCE OF LEED REQUIREMENTS
18. PROTECT ALL CORNERS OF SERVICE AREAS INCLUDING MECHANICAL ROOMS AND STORAGES (TYP)

ROOF LEGEND

- SINGLE PLY ROOF SYSTEM OVER STEEL DECK ON RIGID INSULATION SLOPED TO DRAIN PER INDICATED
- RIGID INSULATION CRICKET & SADDLE SLOPED TO DRAIN PER INDICATED
- WALKWAY PADS
- ROOF DRAINS

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UTAH NATIONAL GUARD
CAMP WILLIAMS
BACHELOR ENLISTED QUARTERS
RIVERTON, UT 84062

SERVICE BLDG FIRST LEVEL PLAN, CEILING & ROOF

#	DATE	BY	DESCRIPTION
1	4/12/2013	CR	ADDENDUM #4

DRAWN BY: CO CS CR
CHECKED BY: CR MM
PROJECT NO.: 11007
DRAWING NO.: A104
DATE: 02/15/2013

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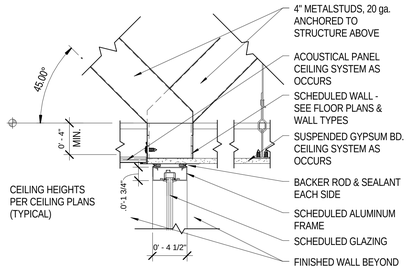
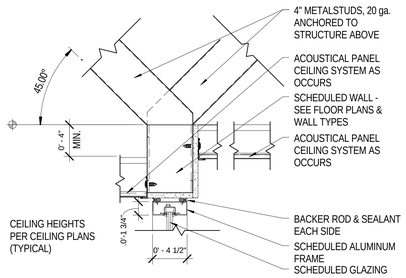


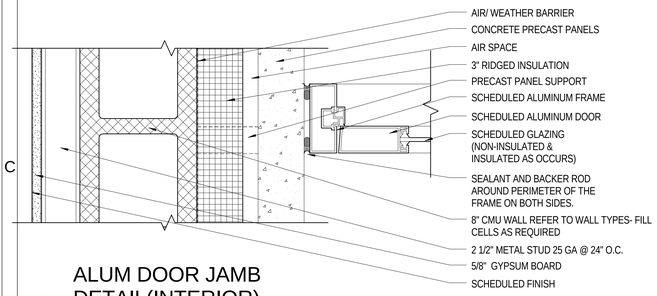
A6 INTERIOR ALUM WINDOW HEAD

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



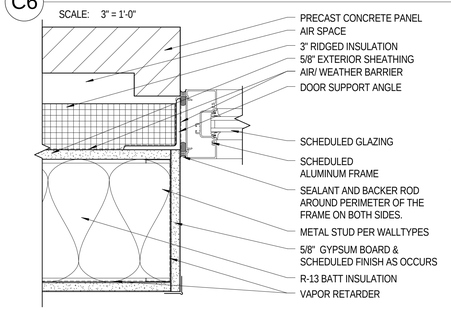
B6 INTERIOR ALUM WINDOW HEAD

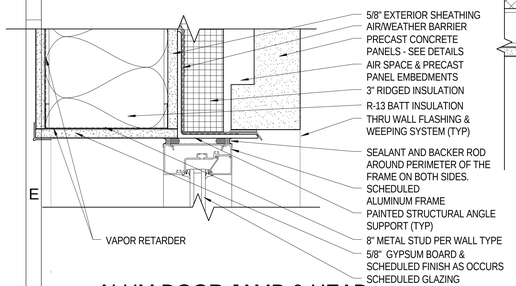
SCALE: 1 1/2" = 1'-0"



C6 ALUM DOOR JAMB DETAIL(INTERIOR)

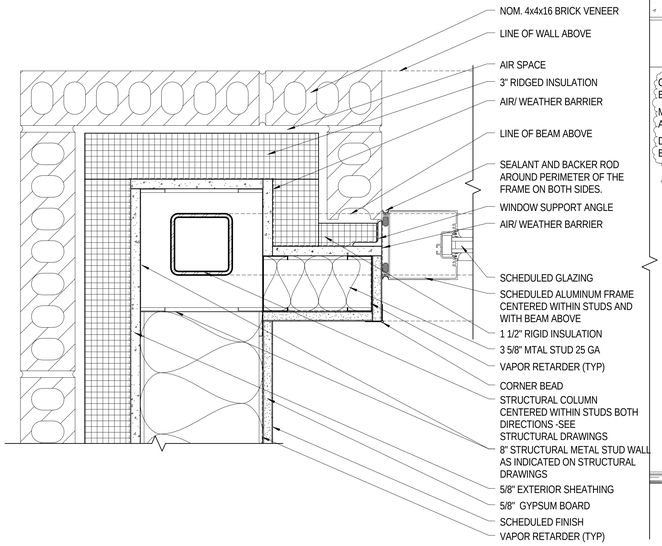
SCALE: 3" = 1'-0"





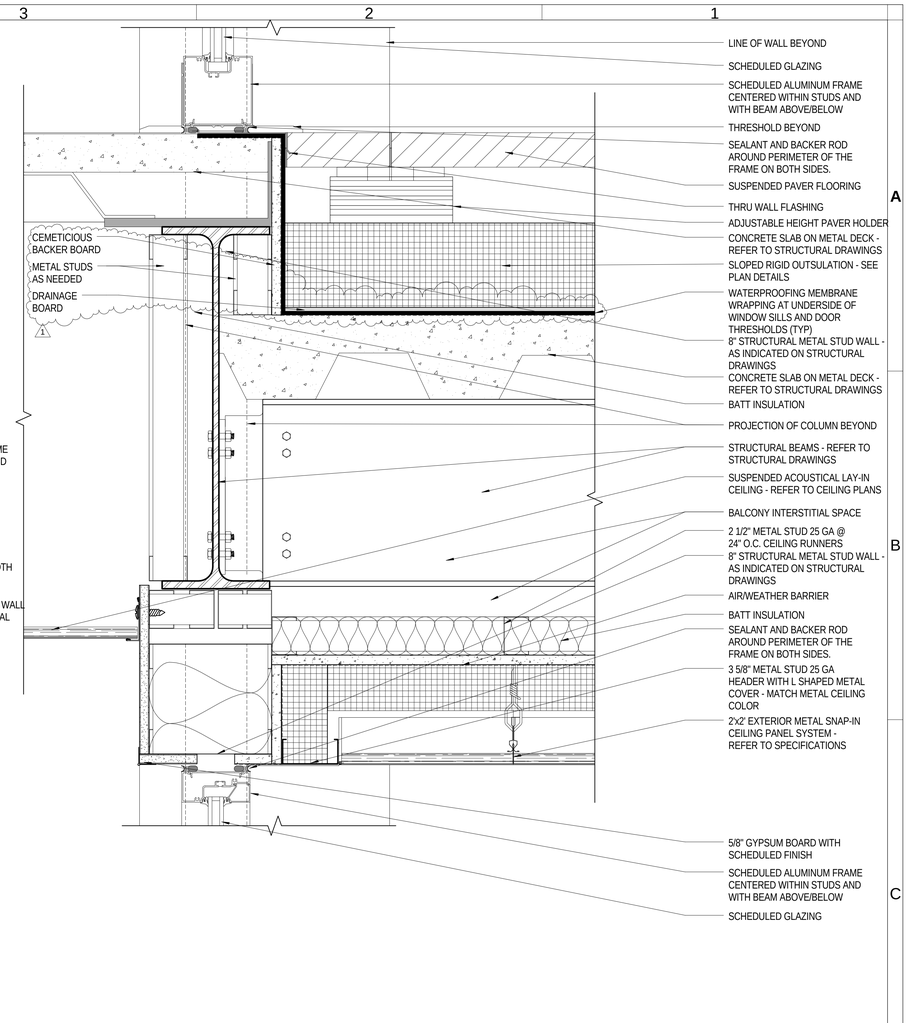
E6 ALUM DOOR JAMB & HEAD DETAIL(EXT)

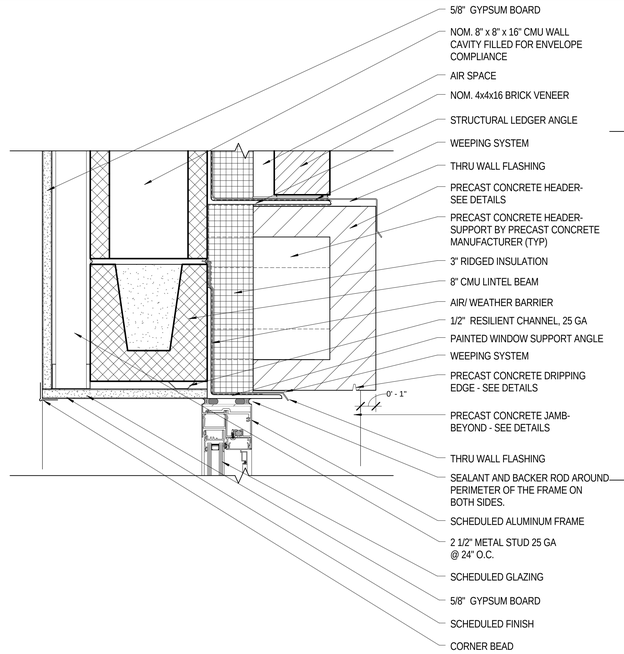
SCALE: 3" = 1'-0"

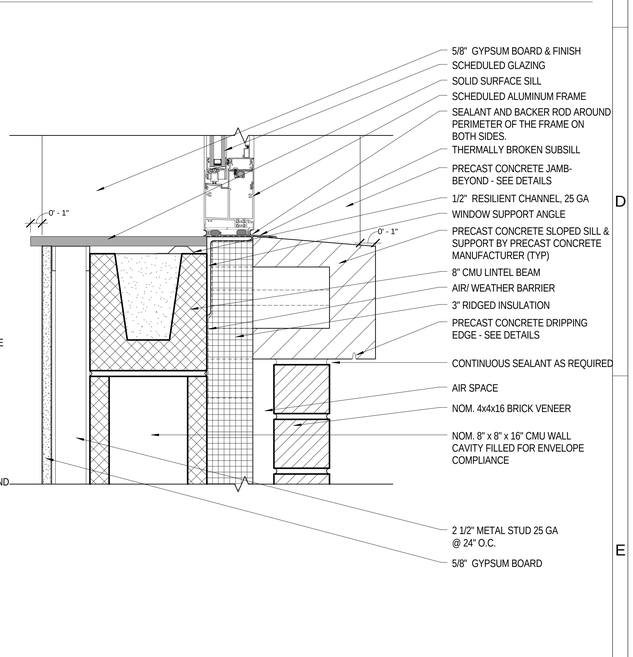


C5 WINDOW ALUM W/BRICK JAMB, HEADER & SILL DETAIL (EXT)

SCALE: 3" = 1'-0"







E5 WINDOW ALUM W/ PRECAST JAMB, HEADER & SILL DETAIL (EXT)

SCALE: 3" = 1'-0"

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ENVELOPE NOTES

1. GENERAL CONTRACTOR MUST COORDINATE APPROPRIATELY WITH THE FENESTRATION AND AIR BARRIER CONTRACTORS TO ENSURE CONTINUOUS PRIMARY SEALANT JOINT (INTERFACE) BETWEEN AIR BARRIER AND FENESTRATION, MEETING THE REQUIREMENTS OF FENESTRATION AND AIR BARRIER MANUFACTURERS (TYPICAL).
2. GENERAL CONTRACTOR MUST ENSURE AND PROVIDE EXTERIOR AESTHETIC SEALANT JOINTS BETWEEN ALL SIDES OF THE FENESTRATION AND THE CLADDING OF THE BUILDING AS NEEDED TO COMPLETELY CONCEAL THE AIR BARRIER (TYPICAL).
3. GENERAL CONTRACTOR MUST ENSURE A CONTINUOUS AIR BARRIER IS PROVIDED INTO ALL FENESTRATION ROUGH OPENINGS INCLUDING ALL HEAD, JAMB AND SILL CORNERS WITH INTERIOR SEALANT JOINT INSTALLED CONTINUOUSLY BETWEEN FENESTRATION AND AIR BARRIER, AND IN ACCORDANCE WITH FENESTRATION AND AIR BARRIER MANUFACTURERS INSTALLATION PROCEDURES (TYPICAL).
4. USE VAPOR-RETARDING MEMBRANE AIR BARRIERS, MEETING ALL REQUIREMENTS STATED WITHIN THE SPECIFICATION MANUAL, OVER MASONRY SUBSTRATES (TYPICAL).
5. USE VAPOR PERMEABLE MEMBRANE AIR BARRIERS, MEETING ALL REQUIREMENTS STATED WITHIN THE SPECIFICATION MANUAL, OVER METAL STUD WITH EXTERIOR SHEATHING SUBSTRATES (TYPICAL).
6. INSTALL VAPOR RETARDER, MEETING ALL REQUIREMENTS STATED WITHIN THE SPECIFICATION MANUAL, AT ALL WALLS USING VAPOR PERMEABLE MEMBRANE AIR BARRIERS ONLY (TYPICAL).

3" Graphic Scale

11/2" Graphic Scale

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DOOR & WINDOW DETAILS

#	DATE	BY	DESCRIPTION
1	04/12/2013	CR	ADDENDUM #4

DRAWN BY: CO CS CR
CHECKED BY: CR MM
PROJECT NO.: 11007
DRAWING NO.: A503
DATE: 02/15/2013

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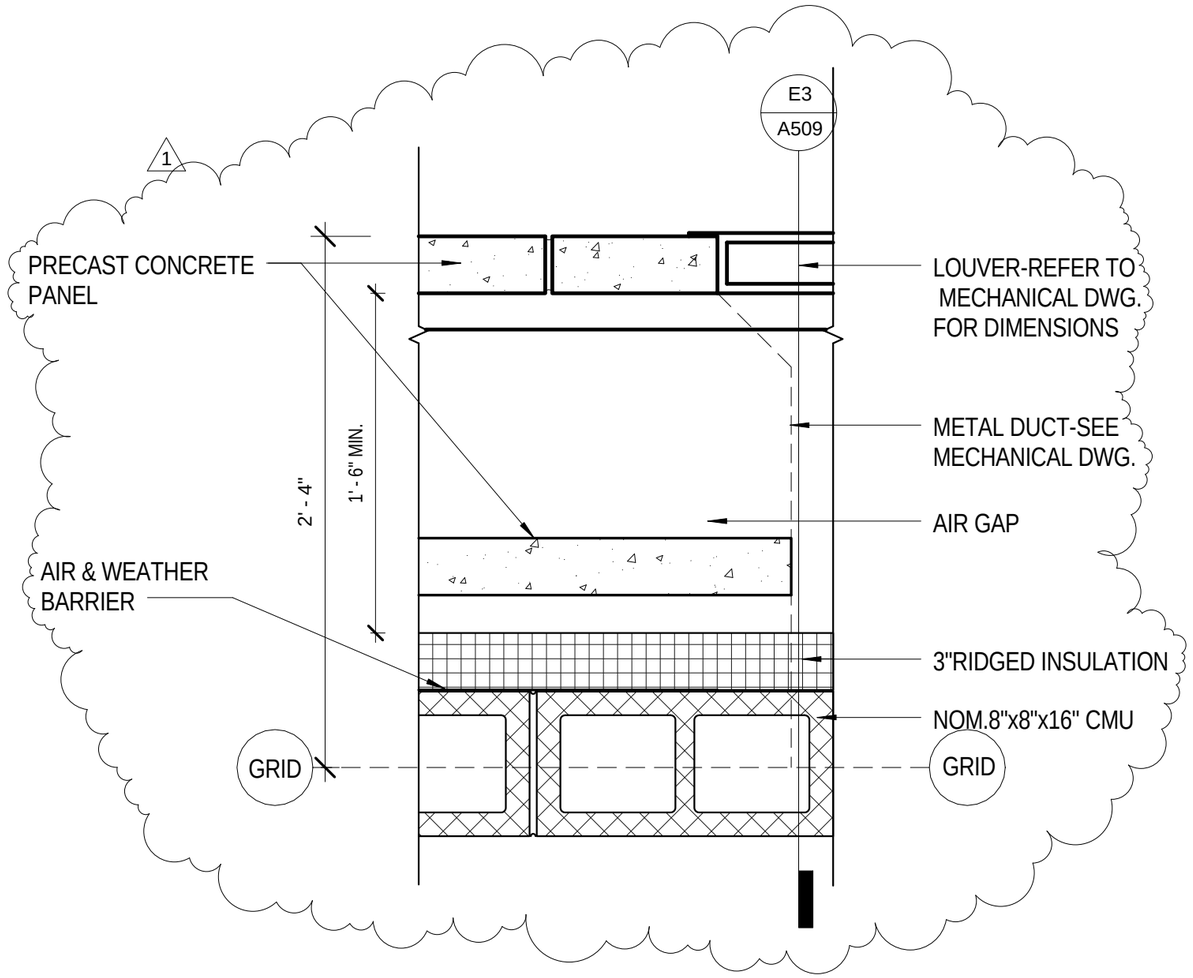

E4 ADD04-A01
1 1/2" = 1'-0"

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PROJECT:

UTAH NATIONAL GUARD
BACHELOR
ENLISTED QUARTERS

17800 SOUTH CAMP WILLIAMS ROAD
RIVERTON, UTAH 84065

DFCM PROJECT NO. 10281480
FY 13 PROJECT NO. 490076

REFERENCE SHEET:	SCALE:
A509	AS NOTED
DATE:	CHECKED/DRAWN:
04/12/2013	CR CS CO

TITLE:

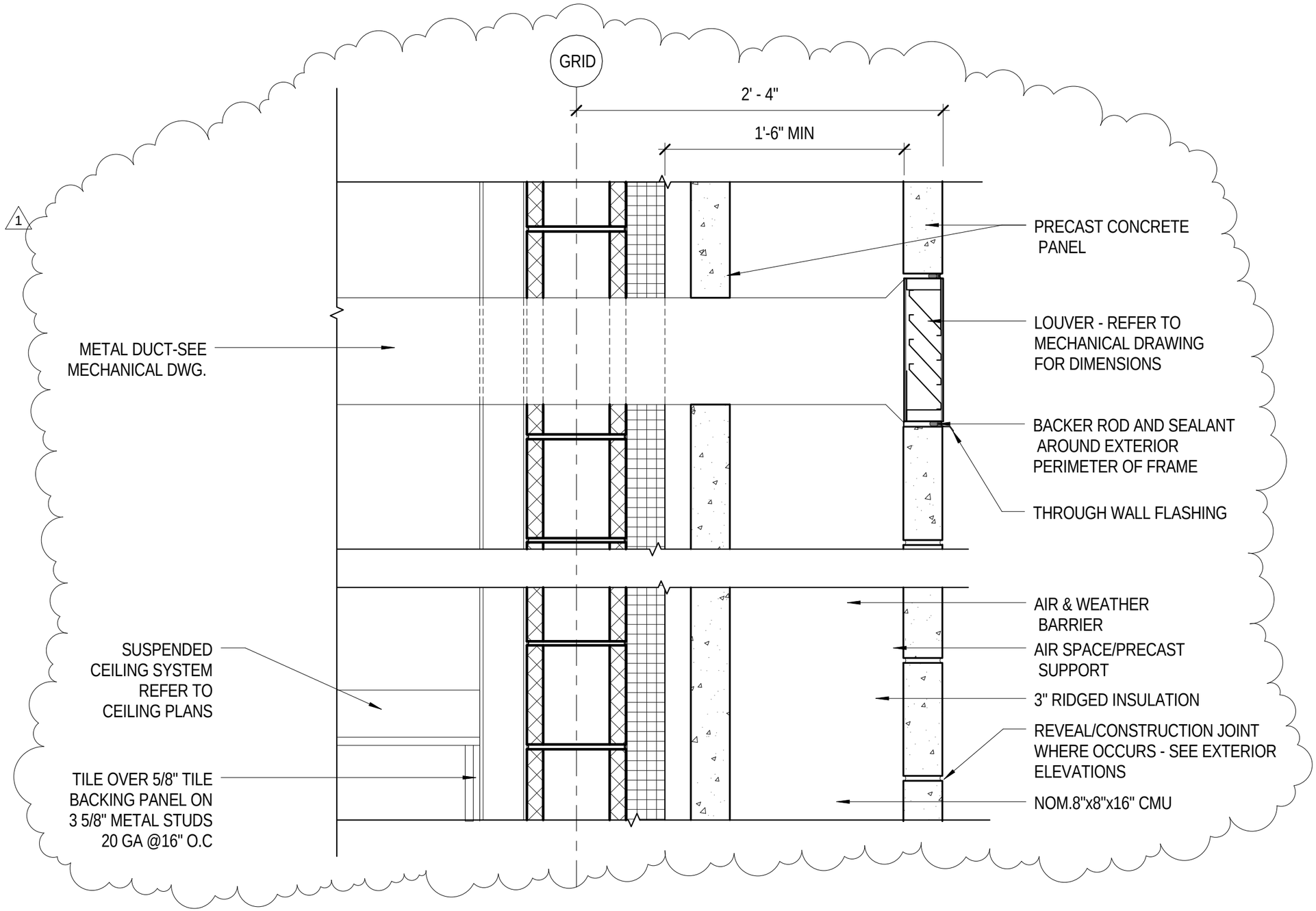
LOUVER PLAN DETAIL 1

ADDENDUM NUMBER:

ADD04

DRAWING NUMBER:

AD4-A01



E3 ADD04-A02
1 1/2" = 1'-0"

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CONSULTANT:

PROJECT:

UTAH NATIONAL GUARD
BACHELOR
ENLISTED QUARTERS

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DFCM PROJECT NO. 10281480
FY 13 PROJECT NO. 490076

REFERENCE SHEET:	SCALE:
A509	AS NOTED
DATE:	CHECKED/DRAWN:
04/12/2013	CR CS CO

TITLE:

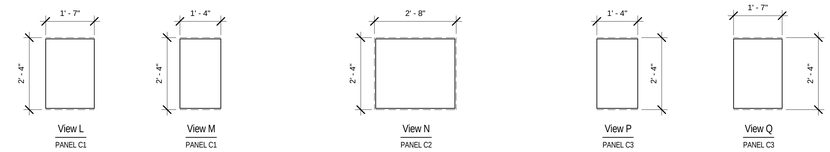
LOUVER SECTION DETAIL 1

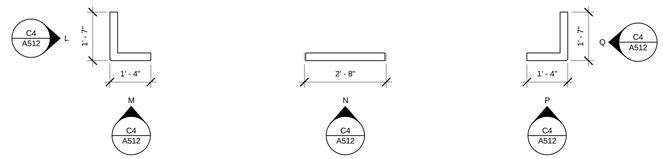
ADDENDUM NUMBER:

ADD04

DRAWING NUMBER:

AD4-A02





C1
PRECAST PANEL

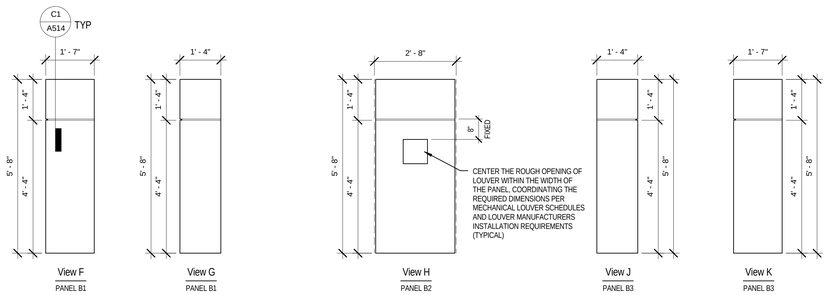
1' - 4" W x 1' - 7" D x 2' - 4" T

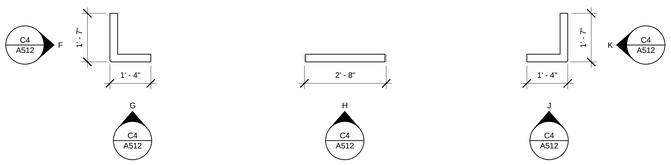
C2
PRECAST PANEL

2' - 8" W x 2' - 4" T

C3
PRECAST PANEL

1' - 4" W x 1' - 7" D x 2' - 4" T





B1
PRECAST PANEL

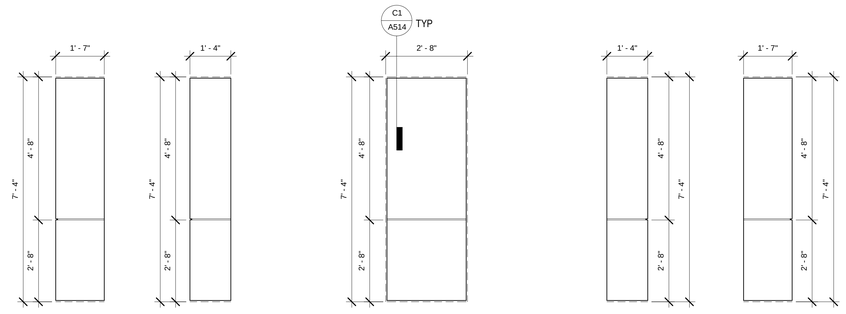
1' - 4" W x 1' - 7" D x 5' - 8" T

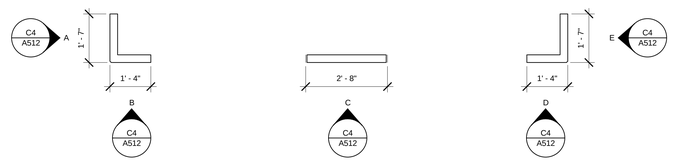
B2
PRECAST PANEL

2' - 8" W x 5' - 8" T

B3
PRECAST PANEL

1' - 4" W x 1' - 7" D x 5' - 8" T





A1
PRECAST PANEL

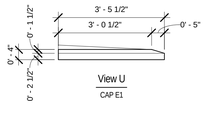
1' - 4" W x 1' - 7" D x 7' - 4" T

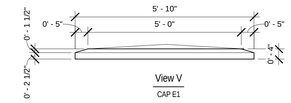
A2
PRECAST PANEL

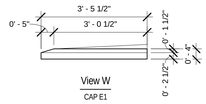
2' - 8" W x 7' - 4" T

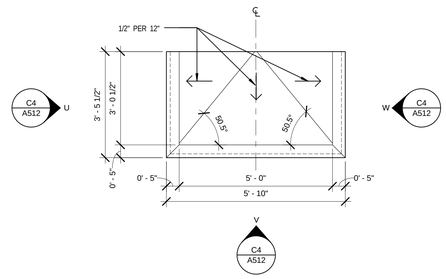
A3
PRECAST PANEL

1' - 4" W x 1' - 7" D x 7' - 4" T



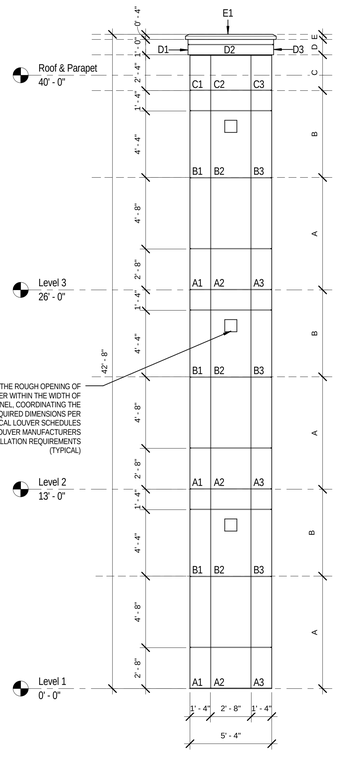


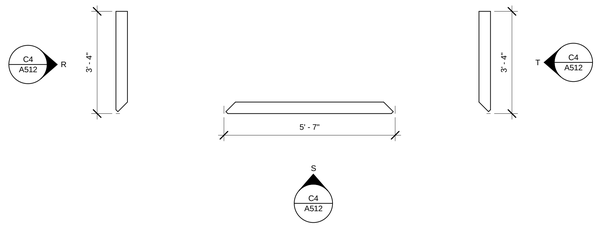




E1
PRECAST CAP

5' - 10" W x 3' - 5 1/2" D x 0' - 4" T





D1
PRECAST TRIM

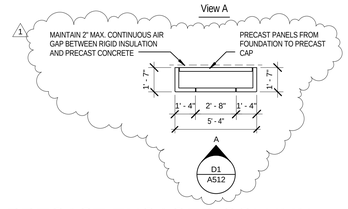
3' - 4" D x 1' - 0" T

D2
PRECAST TRIM

5' - 7" W x 1' - 0" T

D3
PRECAST TRIM

3' - 4" D x 1' - 0" T



C4 PRECAST ENGAGED COLUMN - ELEVATIONS

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

D1 PRECAST ENGAGED COLUMN

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

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129665
LICENSED ARCHITECT

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR DESIGN, CALCULATIONS & SUPPORT OF THE PRECAST CONCRETE PANELS AND THEIR CONNECTION TO THE BUILDING STRUCTURE, INCLUDING THE REQUIRED DEFLECTION AND TOLERANCES NEEDED TO SATISFY THE DESIGN LAYOUT.
2. QUANTITIES OF PANELS ARE AFFECTED BY THE DESIGN ALTERNATES, REFER TO OVERALL PLANS AND NOTES.
3. THICKNESS OF PRECAST ELEMENTS ARE ASSUMED IN THE DESIGN. PRECAST CONCRETE ENGINEER TO DETERMINE FINAL REQUIRED THICKNESS AND ADJUST THE DEPTHS ACCORDINGLY WITHOUT MODIFYING THE OVERALL WIDTHS & HEIGHTS OF PANELS OR REVEALS.
4. PANELS CAN BE MERGED, PROVIDED CONTROL JOINTS & SCORE LINES ARE MAINTAINED. REQUIRED FLASHING AND CAULKING OF PANELS IS TO BE COORDINATED WITH FINAL DESIGN, AND CONTRACTOR MUST INCLUDE THE COST ASSOCIATED WITH THEM FROM THE BEGINNING.
5. CONTRACTOR IS RESPONSIBLE FOR THE PROPER COORDINATION OF ROUGH OPENINGS FOR WINDOWS, DOORS, LOUVERS, AND ANY OTHER OBJECTS PART OF THE FACADE THAT ARE PENETRATING THE PRECAST CONCRETE PANELS.
6. COORDINATE WITH ARCHITECT THE FINAL COLORS OF PRECAST CONCRETE AND TRIMS- ASSUME FOR THE BID A MINIMUM OF TWO COLORS.
7. CONTRACTOR MUST INCLUDE THE CONTINUOUS SEALANT REQUIRED FOR PRECAST CONCRETE ELEMENTS AND WHEN BUTTING AGAINST OTHER MATERIALS OF THE FACADE (TYPICAL).
8. PRECAST CONCRETE PANEL ELEVATIONS ARE NOT SHOWING THE CONCRETE PANEL BEHIND THE DOOR AND WINDOW PRECAST CONCRETE TRIMS. CONTRACTOR NEEDS TO INCLUDE THESE AREAS IN THE DESIGN. SHOP DRAWINGS AND ASSOCIATED COST (TYPICAL) - REFER TO WINDOW AND DOOR DETAILS AND TYPICAL PRECAST CONCRETE CONNECTION DETAILS.
9. CONTRACTOR IS RESPOSIBLE FOR MEASURING AND VERIFYING ALL DIMENSIONS IN THE FIELD. DO NOT INITIATE FABRICATION WITHOUT COMPLYING WITH THE PROPER COORDINATION OF ALL ITEMS AFECTING THE PRECAST CONCRETE PANELS FINAL DESIGN.

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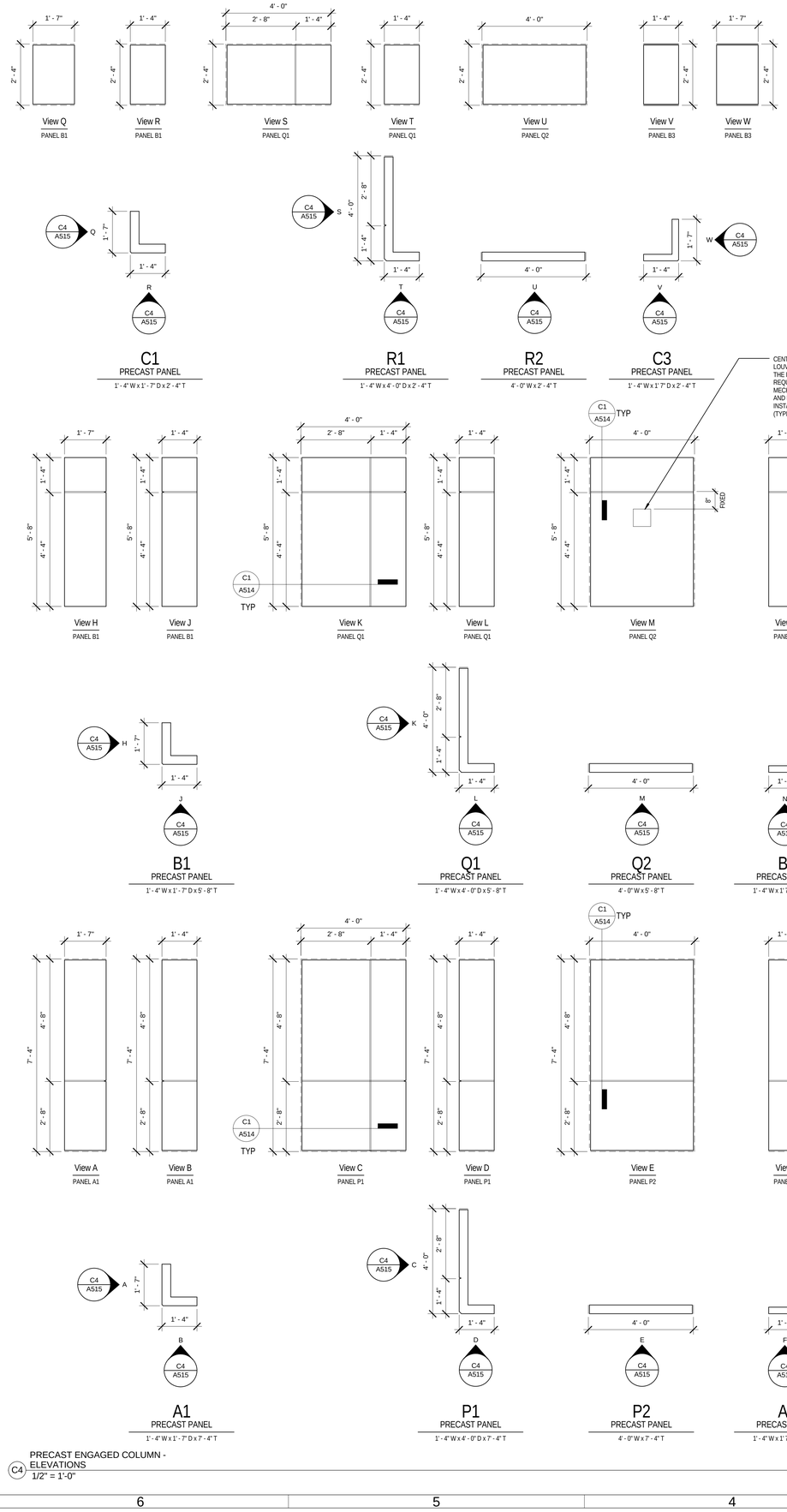
PRECAST CONCRETE

#	DATE	BY	DESCRIPTION
1	04/12/2013	CR	ADDENDUM #4

DRAWN BY: CO CS CR
CHECKED BY: CR MM
PROJECT NO.: 11007
DRAWING NO.: A512
DATE: 02/15/2013

UTAH NATIONAL GUARD - CAMP WILLIAMS - BACHELOR ENLISTED QUARTER - CONSTRUCTION DOCUMENTS



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129665
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GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR DESIGN, CALCULATIONS & SUPPORT OF THE PRECAST CONCRETE PANELS AND THEIR CONNECTION TO THE BUILDING STRUCTURE, INCLUDING THE REQUIRED DEFLECTION AND TOLERANCES NEEDED TO SATISFY THE DESIGN LAYOUT.
2. QUANTITIES OF PANELS ARE AFFECTED BY THE DESIGN ALTERNATES, REFER TO OVERALL PLANS AND NOTES.
3. THICKNESS OF PRECAST ELEMENTS ARE ASSUMED IN THE DESIGN. PRECAST CONCRETE ENGINEER TO DETERMINE FINAL REQUIRED THICKNESS AND ADJUST THE DEPTHS ACCORDINGLY WITHOUT MODIFYING THE OVERALL WIDTHS & HEIGHTS OF PANELS OR REVEALS.
4. PANELS CAN BE MERGED, PROVIDED CONTROL JOINTS & SCORE LINES ARE MAINTAINED. REQUIRED FLASHING AND CAULKING OF PANELS IS TO BE COORDINATED WITH FINAL DESIGN, AND CONTRACTOR MUST INCLUDE THE COST ASSOCIATED WITH THEM FROM THE BEGINNING.
5. CONTRACTOR IS RESPONSIBLE FOR THE PROPER COORDINATION OF ROUGH OPENINGS FOR WINDOWS, DOORS, LOUVERS, AND ANY OTHER OBJECTS PART OF THE FACADE THAT ARE PENETRATING THE PRECAST CONCRETE PANELS.
6. COORDINATE WITH ARCHITECT THE FINAL COLORS OF PRECAST CONCRETE AND TRIMS- ASSUME FOR THE BID A MINIMUM OF TWO COLORS.
7. CONTRACTOR MUST INCLUDE THE CONTINUOUS SEALANT REQUIRED FOR PRECAST CONCRETE ELEMENTS AND WHEN BUTTING AGAINST OTHER MATERIALS OF THE FACADE (TYPICAL).
8. PRECAST CONCRETE PANEL ELEVATIONS ARE NOT SHOWING THE CONCRETE PANEL BEHIND THE DOOR AND WINDOW PRECAST CONCRETE TRIMS. CONTRACTOR NEEDS TO INCLUDE THESE AREAS IN THE DESIGN, SHOP DRAWINGS AND ASSOCIATED COST (TYPICAL) - REFER TO WINDOW AND DOOR DETAILS AND TYPICAL PRECAST CONCRETE CONNECTION DETAILS.
9. CONTRACTOR IS RESPOSIBLE FOR MEASURING AND VERIFYING ALL DIMENSIONS IN THE FIELD. DO NOT INITIATE FABRICATION WITHOUT COMPLYING WITH THE PROPER COORDINATION OF ALL ITEMS AFECTING THE PRECAST CONCRETE PANELS FINAL DESIGN.

BUILDING OFFICIAL APPROVAL

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BACHELOR ENLISTED
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RIVERTON, UT 84062

PRECAST CONCRETE

#	DATE	BY	DESCRIPTION
1	04/12/2013	CR	ADDENDUM #4

DRAWN BY: CO CS CR
CHECKED BY: CR MM
PROJECT NO.: 11007
DRAWING NO.: A515
DATE: 02/15/2013

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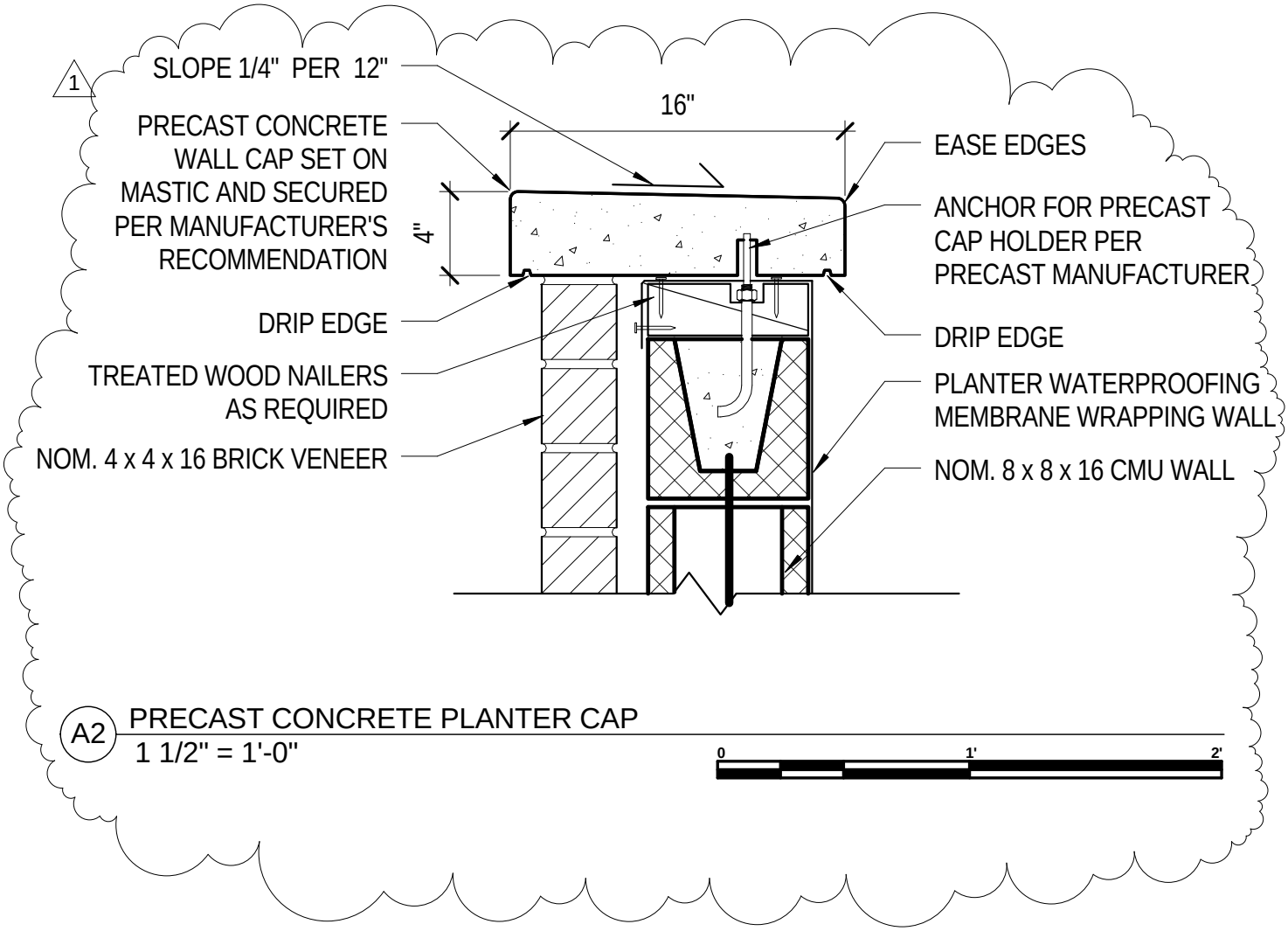


A2 PRECAST CONCRETE PLANTER CAP

1 1/2" = 1'-0"

0 1' 2'

EFT ARCHITECTS
265 EAST 100 SOUTH SUITE 250
SALT LAKE CITY, UTAH 84111-1604
801.521.8564 WWW.EFTARCH.COM

CONSULTANT:

PROJECT:
UTAH NATIONAL GUARD
BACHELOR
ENLISTED QUARTERS
17800 SOUTH CAMP WILLIAMS ROAD
RIVERTON, UTAH 84065
DFCM PROJECT NO. 10281480
FY 13 PROJECT NO. 490076

TITLE: PRECAST CONCRETE PLANTER CAP

ADDENDUM NUMBER: ADD04

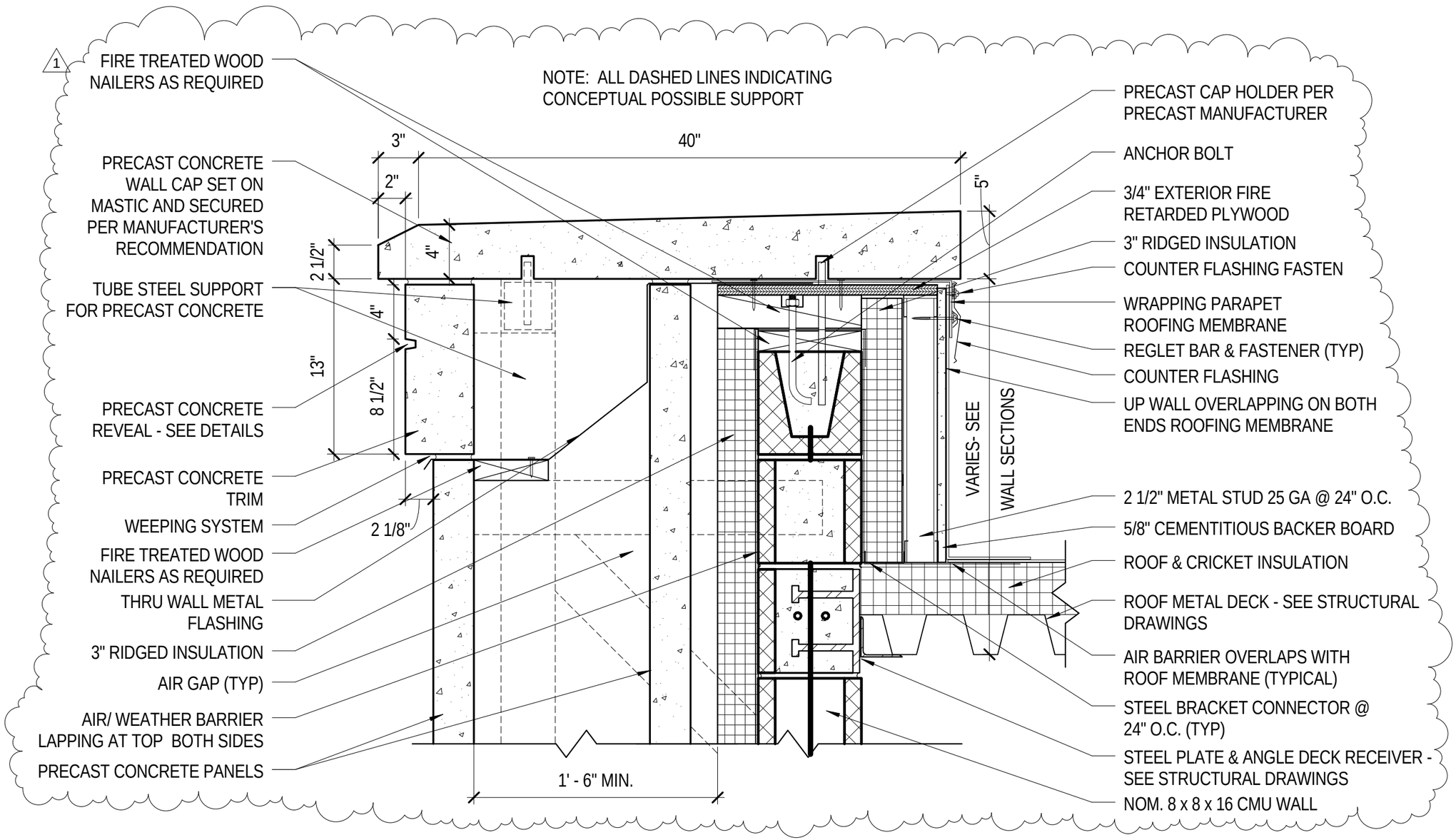
REFERENCE SHEET: A519M

SCALE: AS NOTED

DRAWING NUMBER: AD4-A03

DATE: 04/12/2013

CHECKED/DRAWN: CR CS CO



E3 ADD04-A04
1 1/2" = 1'-0"

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265 EAST 100 SOUTH SUITE 350
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CONSULTANT:

PROJECT:

UTAH NATIONAL GUARD
BACHELOR
ENLISTED QUARTERS

17800 SOUTH CAMP WILLIAMS ROAD
RIVERTON, UTAH 84065

DFCM PROJECT NO. 10281480
FY 13 PROJECT NO. 490076

REFERENCE SHEET:	SCALE:
A521	AS NOTED
DATE:	CHECKED/DRAWN:
04/12/2013	CR CS CO

TITLE:
PRECAST CONCRETE CAP PARAPET

ADDENDUM NUMBER:
ADD04

DRAWING NUMBER:
AD4-A04

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SEAL & SIGNATURE

SPECTRUM ENGINEERS

LICENSED PROFESSIONAL ENGINEER
No. 163854
DAVID L. AFFLECK
STATE OF UTAH
02-15-2013

GENERAL SHEET NOTES

1 COORDINATE EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES WITH HARD LID CEILING ACCESS PANELS INFIELD PRIOR TO ROUGH-IN.

2 ALL OUTLETS IN BILLET ROOMS AND BILLET LATRINES SHALL BE LISTED TAMPER RESISTANT DEVICES IN ACCORDANCE WITH NEC 406.13.

SHEET KEYNOTES

1 PROVIDE 4"X4"X4" BOX FOR A/V CABLING.

2 PROVIDE 2-INCH CONDUIT STUB TO ABOVE THE ACCESSIBLE CEILING.

3 PROVIDE 2-INCH CONDUIT WITH PULL STRING FOR A/V CABLING.

4 OUTLET IS IN WALL BELOW SINK. SEE SECTION B5/EP402.

5 MOUNT IN MULLION. COORDINATE WITH DOOR OPERATOR INSTALLER.

6 CIRCUIT TO LIGHTING FIXTURE LOCATED IN ELEVATOR PIT. REFER TO ASSOCIATED 'EL' LIGHTING SHEET FOR ADDITIONAL INFORMATION.

7 PROVIDE OUTLET AT +84" FOR ADA DOOR CHIME/STROBE DEVICE. PROVIDE CARLON #RC3270 WITH PHONE INTERFACE DEVICE OR APPROVED EQUAL.

2 8 PROVIDE POWER CONNECTION TO FIRE/SMOKE DOOR. PROVIDE INTERFACE OF POWER, CONTROL MODULES AND RELAYS AS REQUIRED WITH THE DOOR CONTROLS AND THE FIRE ALARM SYSTEM. COORDINATE REQUIREMENTS WITH FIRE/SMOKE DOOR INSTALLER.

BUILDING OFFICIAL APPROVAL

D6 LEVEL 1 POWER PLAN - EAST WING

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

PLAN NORTH

0 4' 8' 16'

KEY PLAN

UTAH NATIONAL GUARD
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BACHELOR ENLISTED
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RIVERTON, UT 84062

1ST LEVEL POWER PLAN EAST WING

REVISION	DATE	BY	DESCRIPTION
2	04/11/13		Addendum #4

DRAWN BY: WRT
CHECKED BY: DLA
PROJECT NO.: 11007
DRAWING NO.: EP101B
DATE: 02/15/2013

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SEAL & SIGNATURE

SPECTRUM ENGINEERS

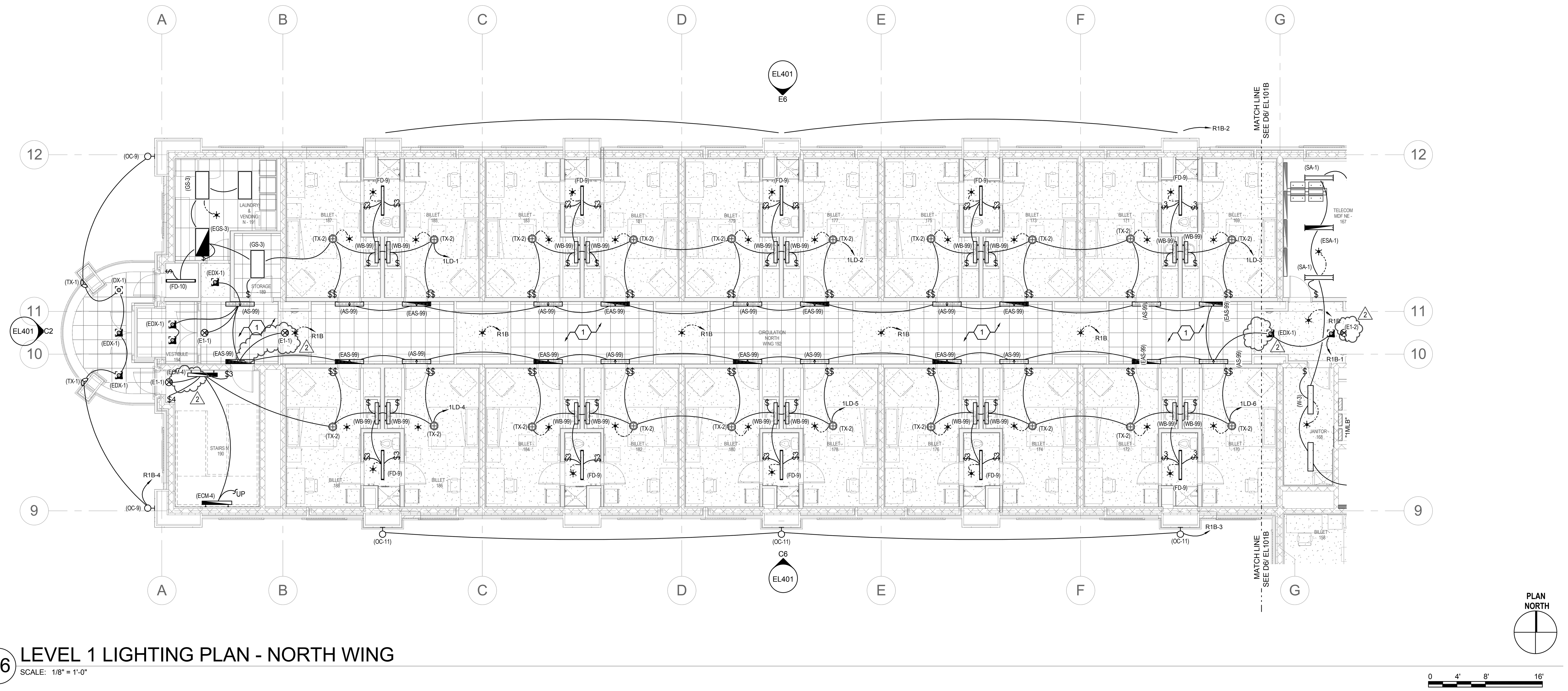
LICENSED PROFESSIONAL ENGINEER No. 7083854 DAVID L. AFFLECK STATE OF UTAH 02-15-2013

GENERAL SHEET NOTES

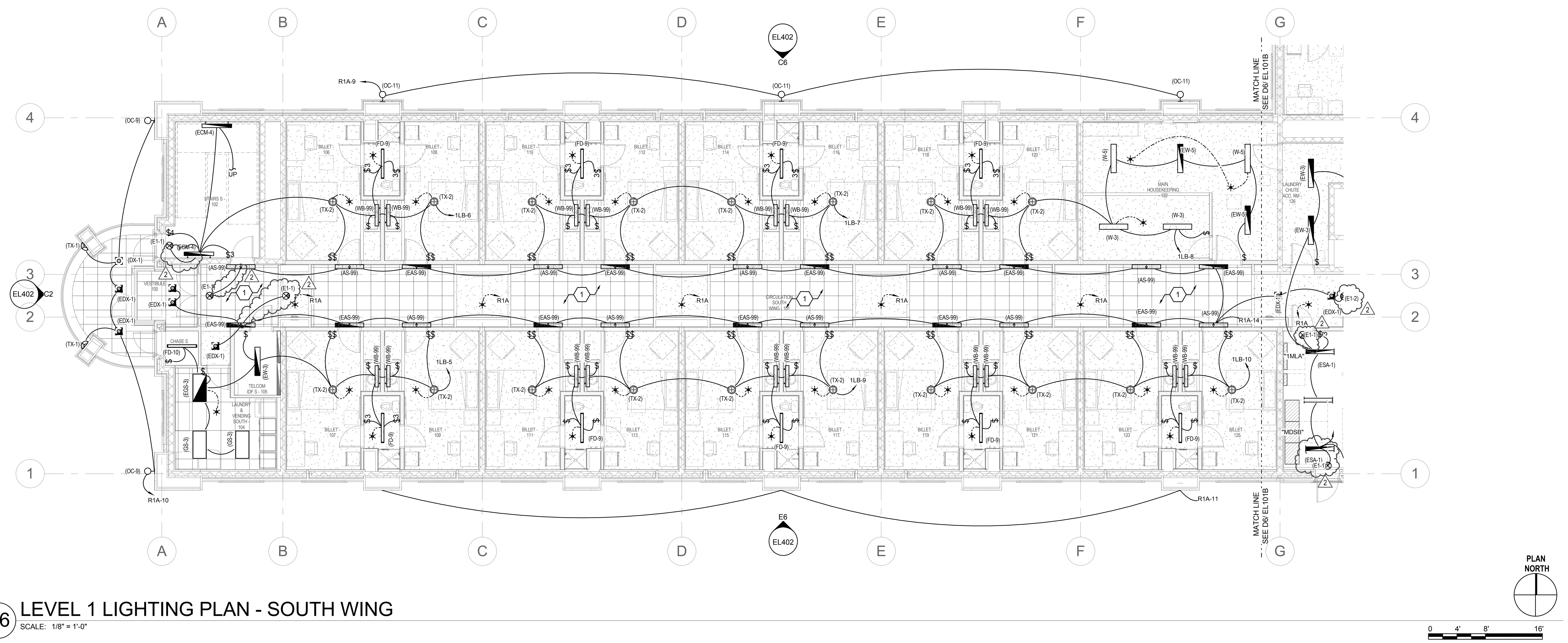
1. CIRCUIT EXIT SIGNS TO UNSWITCHED LEG OF ASSOCIATED BRANCH CIRCUIT.
2. COORDINATE EXACT LOCATIONS OF ALL LIGHT FIXTURES AND OTHER CEILING MOUNTED DEVICES WITH HARD LID CEILING ACCESS PANELS INFIELD PRIOR TO ROUGH-IN.

SHEET KEYNOTES

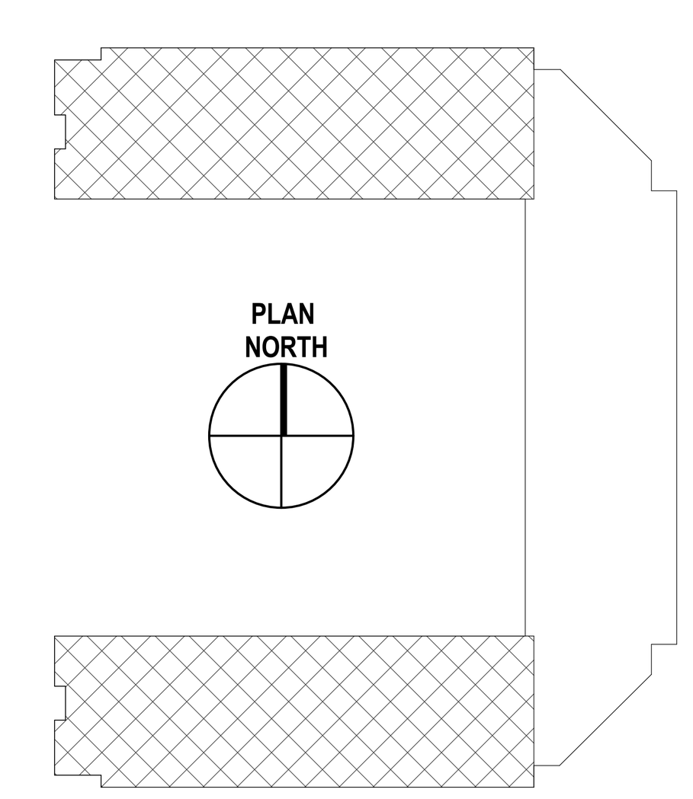
1. LIGHT FIXTURES MOUNTED IN ARCHITECTURAL COVE. COORDINATE WITH ARCHITECTURAL DETAILS PRIOR TO ROUGH-IN.
2. LIGHT FIXTURE CIRCUITED TO RECEPTACLE LOCATED IN ELEVATOR PIT. REFER TO ASSOCIATED 'EP' POWER SHEET FOR ADDITIONAL INFORMATION.



C6 LEVEL 1 LIGHTING PLAN - NORTH WING
SCALE: 1/8" = 1'-0"



E6 LEVEL 1 LIGHTING PLAN - SOUTH WING
SCALE: 1/8" = 1'-0"



KEY PLAN

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1ST LEVEL LIGHTING PLANS NORTH & SOUTH WINGS

REVISION	DATE	BY	DESCRIPTION
2	04/11/13		Addendum #4

DRAWN BY: WRT
CHECKED BY: DLA
PROJECT NO.: 11007
DRAWING NO.: EL101A
DATE: 02/15/2013

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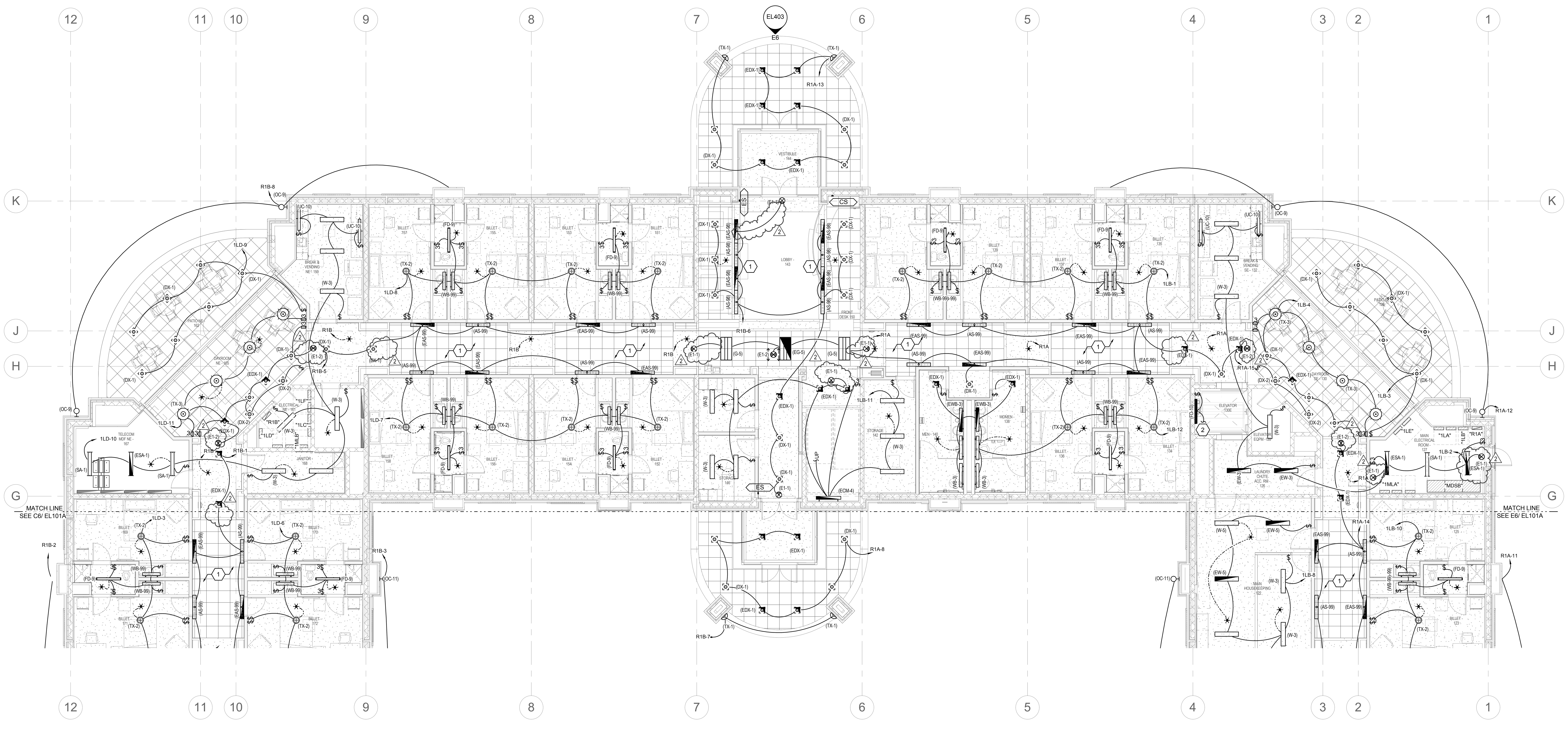
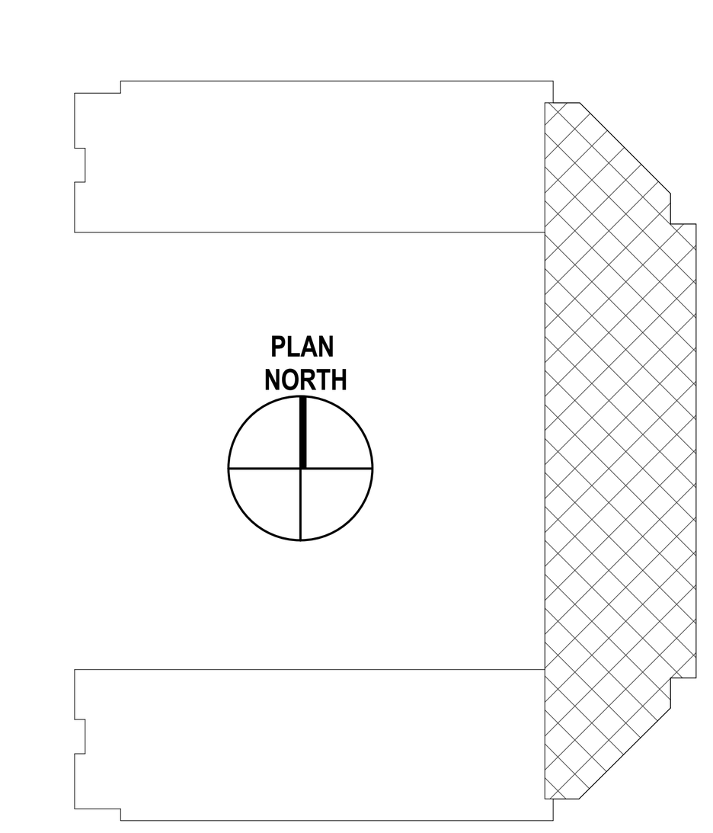


D6 LEVEL 1 LIGHTING PLAN - EAST WING

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

0 4' 8' 16'



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SPECTRUM ENGINEERS

LICENSED PROFESSIONAL ENGINEER No. 7083854 DAVID L. AFFLECK STATE OF UTAH 02-15-2013

GENERAL SHEET NOTES

1. CIRCUIT EXIT SIGNS TO UNSWITCHED LEG OF ASSOCIATED BRANCH CIRCUIT.
2. COORDINATE EXACT LOCATIONS OF ALL LIGHT FIXTURES AND OTHER CEILING MOUNTED DEVICES WITH HARD LID CEILING ACCESS PANELS INFIELD PRIOR TO ROUGH-IN.

SHEET KEYNOTES

1. LIGHT FIXTURES MOUNTED IN ARCHITECTURAL COVE. COORDINATE WITH ARCHITECTURAL DETAILS PRIOR TO ROUGH-IN.
2. LIGHT FIXTURE CIRCUITED TO RECEPTACLE LOCATED IN ELEVATOR PIT. REFER TO ASSOCIATED 'EP' POWER SHEET FOR ADDITIONAL INFORMATION.

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1ST LEVEL LIGHTING PLAN EAST WING

REVISION	DATE	BY	DESCRIPTION
2	04/11/13		Addendum #4

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PROJECT NO. 11007	DRAWING NO. EL101B
DATE 02/15/2013	

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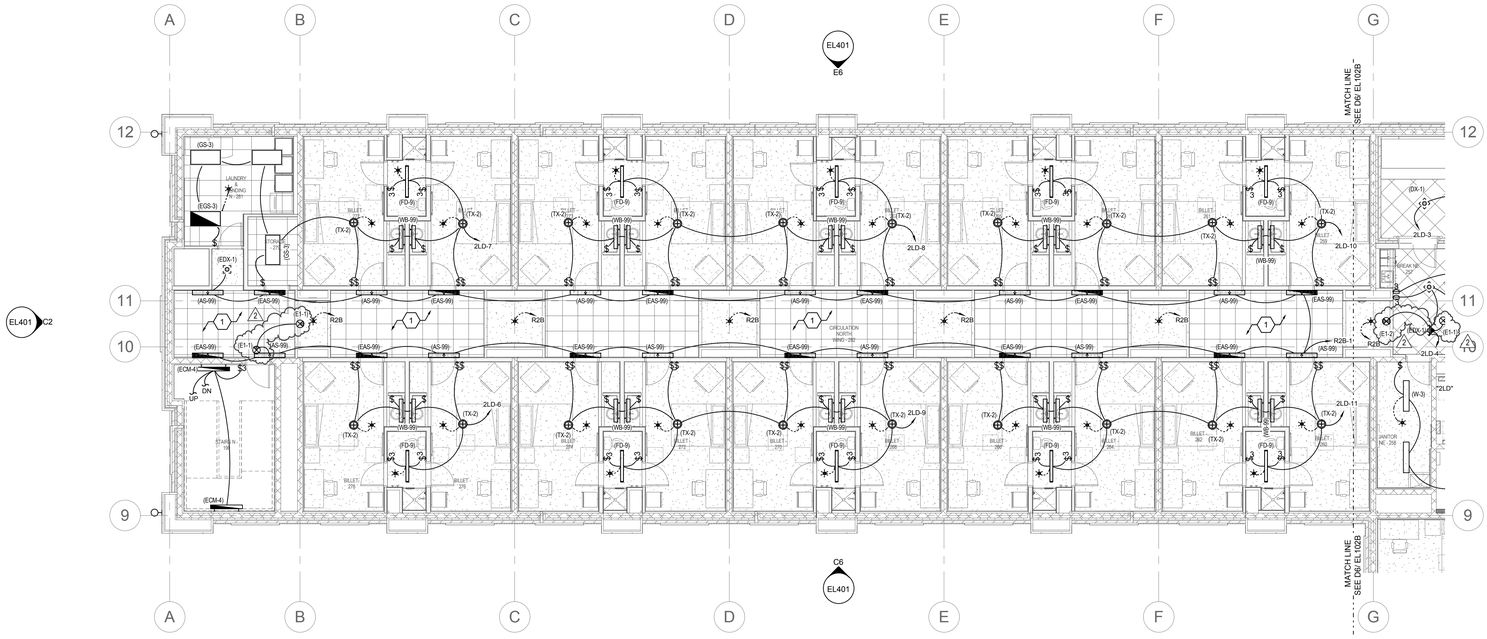
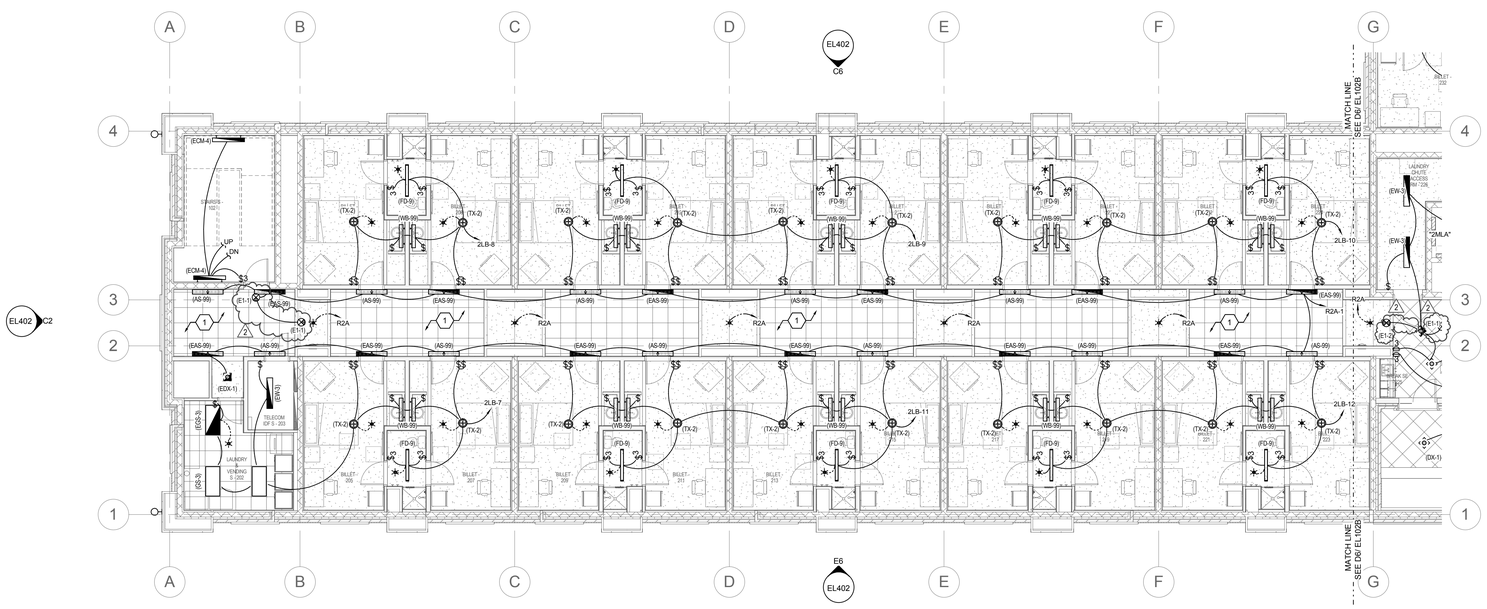


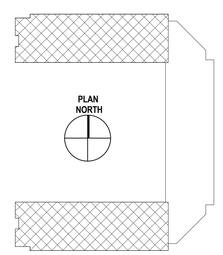
C6 LEVEL 2 LIGHTING PLAN - NORTH WING

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



E6 LEVEL 2 LIGHTING PLAN - SOUTH WING

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



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SPECTRUM ENGINEERS

LICENSED PROFESSIONAL ENGINEER
No. 163854
DAVID L. AFFLECK
STATE OF UTAH
02-15-2013

GENERAL SHEET NOTES

1 CIRCUIT EXIT SIGNS TO UNSWITCHED LEG OF ASSOCIATED BRANCH CIRCUIT.

2 COORDINATE EXACT LOCATIONS OF ALL LIGHT FIXTURES AND OTHER CEILING MOUNTED DEVICES WITH HARD LID CEILING ACCESS PANELS INFIELD PRIOR TO ROUGH-IN.

SHEET KEYNOTES

1 LIGHT FIXTURES MOUNTED IN ARCHITECTURAL COVE. COORDINATE WITH ARCHITECTURAL DETAILS PRIOR TO ROUGH-IN.

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2ND LEVEL LIGHTING PLANS NORTH & SOUTH WINGS

REVISION	DATE	BY	DESCRIPTION
2	04/11/13		Addendum #4

DRAWN BY: WRT
CHECKED BY: DLA
PROJECT NO.: 11007
DRAWING NO.: EL102A
DATE: 02/15/2013

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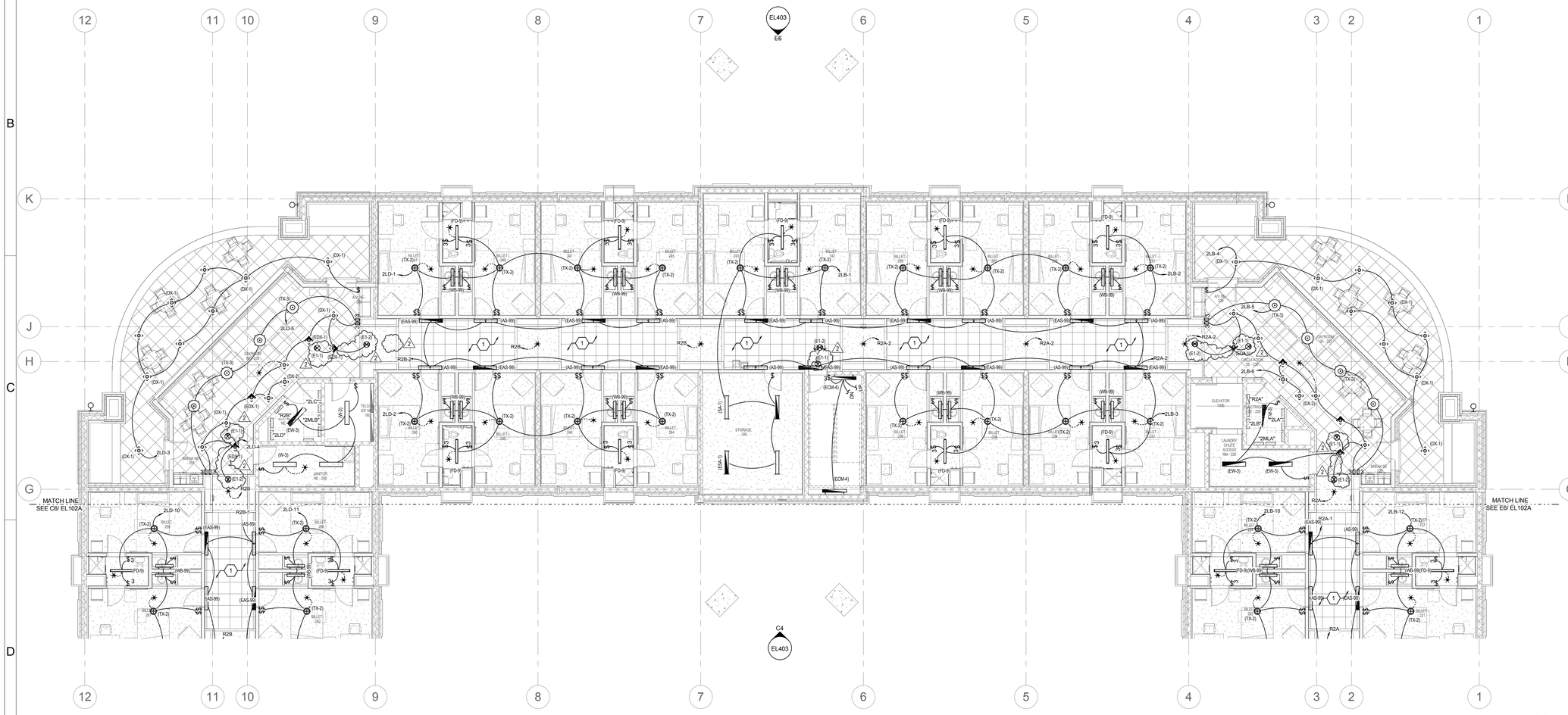
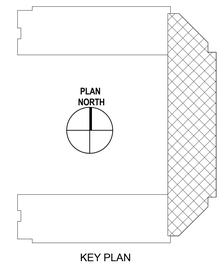


D6 LEVEL 2 LIGHTING PLAN - EAST WING

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

0 4' 8' 16'



KEY PLAN

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STATE OF UTAH
02-15-2013

GENERAL SHEET NOTES

1 CIRCUIT EXIT SIGNS TO UNSWITCHED LEG OF ASSOCIATED BRANCH CIRCUIT.

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2ND LEVEL LIGHTING PLAN EAST WING

REVISION	DATE	BY	DESCRIPTION
2	04/11/13		Addendum #4

DRAWN BY: WRT
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PROJECT NO.: 11007
DRAWING NO.: EL102B
DATE: 02/15/2013

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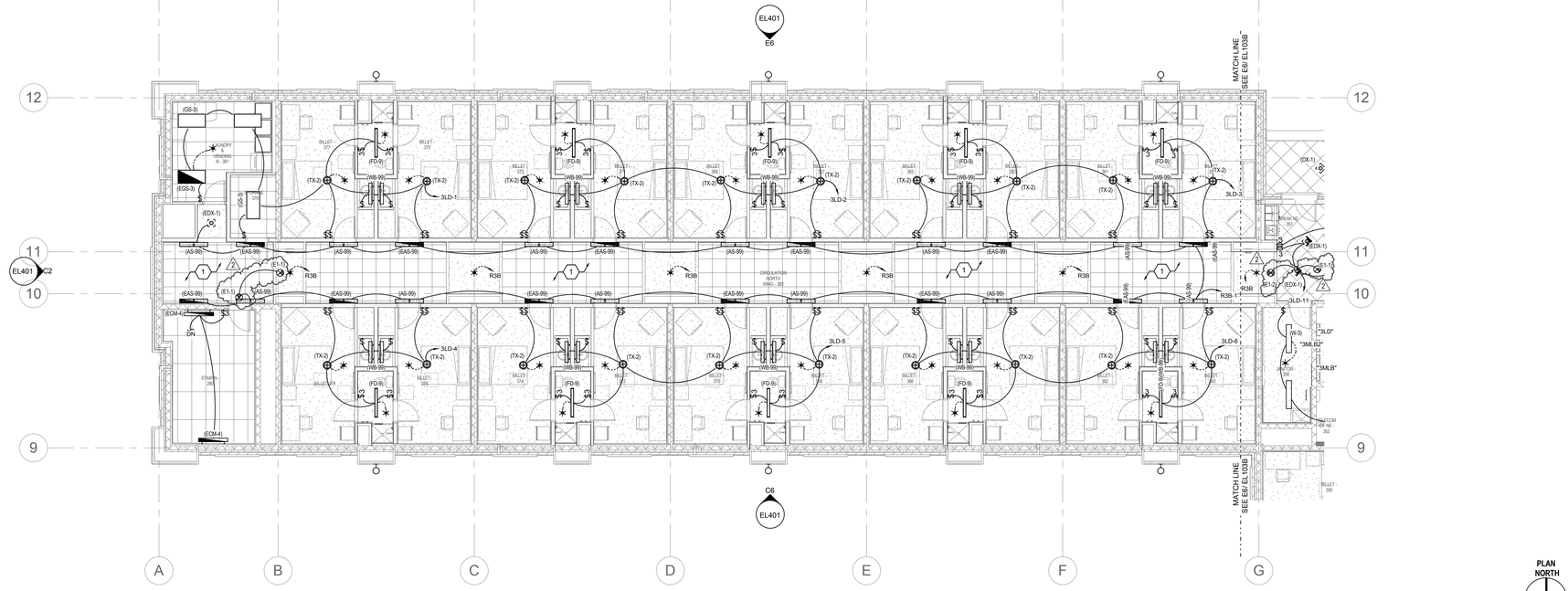
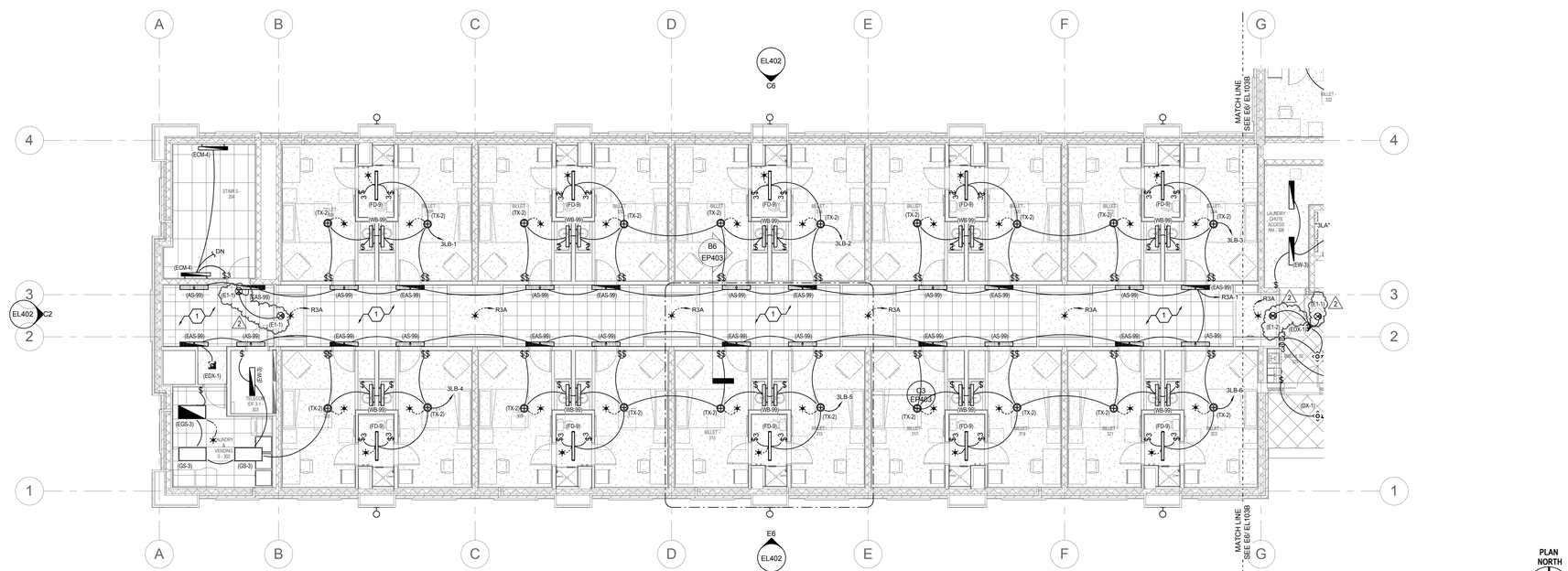


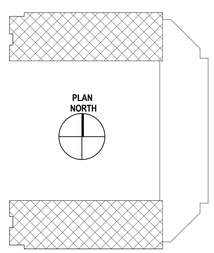
C6 LEVEL 3 LIGHTING PLAN - NORTH WING

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



E6 LEVEL 3 LIGHTING PLAN - SOUTH WING

SCALE: NTS



KEY PLAN

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SPECTRUM ENGINEERS

LICENSED PROFESSIONAL ENGINEER
No. 163854
DAVID L. AFFLECK
STATE OF UTAH
02-15-2013

GENERAL SHEET NOTES

1 CIRCUIT EXIT SIGNS TO UNSWITCHED LEG OF ASSOCIATED BRANCH CIRCUIT.

2 COORDINATE EXACT LOCATIONS OF ALL LIGHT FIXTURES AND OTHER CEILING MOUNTED DEVICES WITH HARD LID CEILING ACCESS PANELS INFIELD PRIOR TO ROUGH-IN.

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3RD LEVEL LIGHTING PLANS NORTH & SOUTH WINGS

REVISION	DATE	BY	DESCRIPTION
2	04/11/13		Addendum #4

DRAWN BY: WRT
CHECKED BY: DLA
PROJECT NO.: 11007
DATE: 02/15/2013
DRAWING NO.: EL103A

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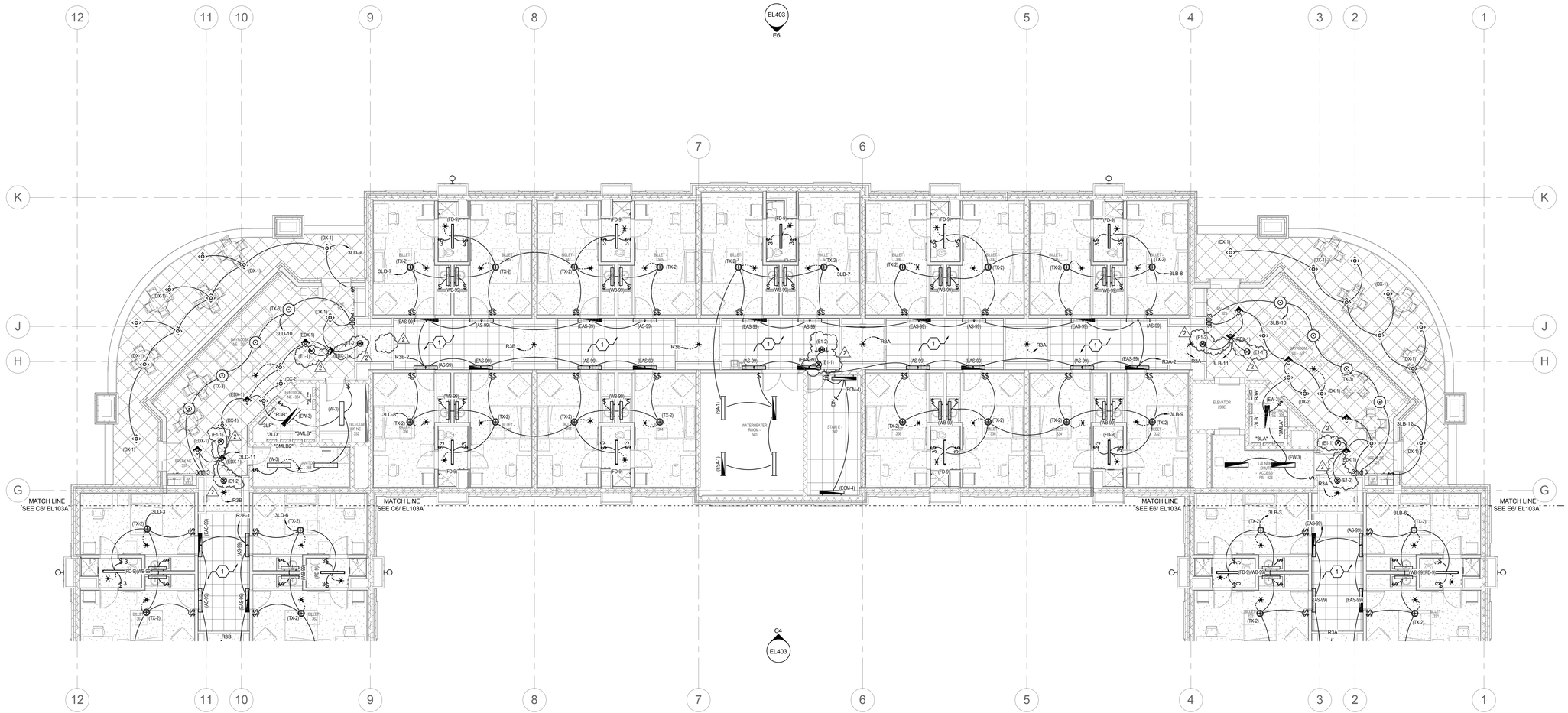
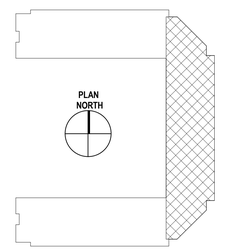


E6 LEVEL 3 LIGHTING PLAN - EAST WING

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



KEY PLAN

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SPECTRUM ENGINEERS

LICENSED PROFESSIONAL ENGINEER No. 163854 DAVID L. AFFLECK STATE OF UTAH
02-15-2013

GENERAL SHEET NOTES

1 CIRCUIT EXIT SIGNS TO UNSWITCHED LEG OF ASSOCIATED BRANCH CIRCUIT.

2 COORDINATE EXACT LOCATIONS OF ALL LIGHT FIXTURES AND OTHER CEILING MOUNTED DEVICES WITH HARD LID CEILING ACCESS PANELS INFIELD PRIOR TO ROUGH-IN.

SHEET KEYNOTES

1 LIGHT FIXTURES MOUNTED IN ARCHITECTURAL COVE. COORDINATE WITH ARCHITECTURAL DETAILS PRIOR TO ROUGH-IN.

BUILDING OFFICIAL APPROVAL

UTAH NATIONAL GUARD
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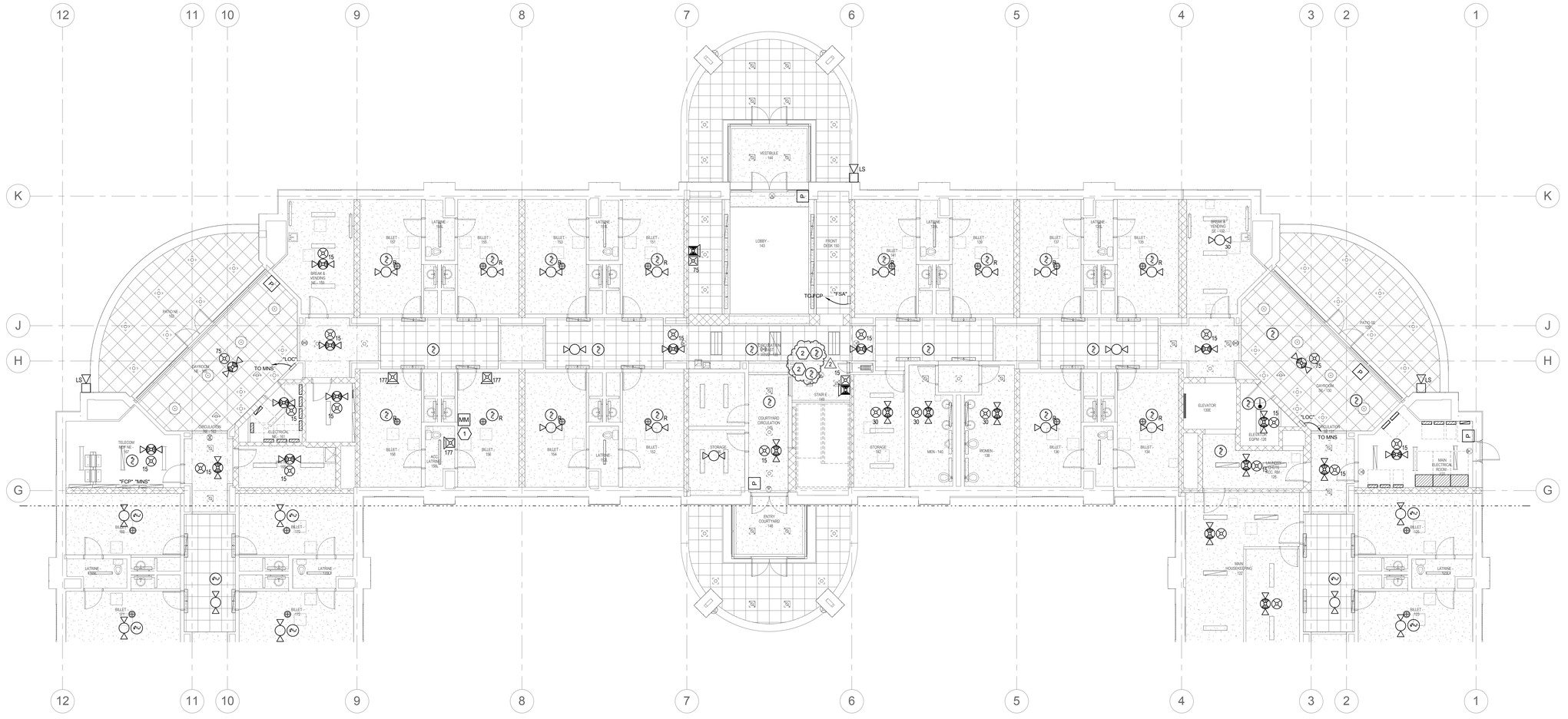
BACHELOR ENLISTED QUARTERS
RIVERTON, UT 84062

3RD LEVEL LIGHTING PLAN EAST WING

REVISION	DATE	BY	DESCRIPTION
△2	04/11/13		Addendum #4
△			
△			
△			

DRAWN BY: WRT
CHECKED BY: DLA
PROJECT NO.: 11007
DRAWING NO.: EL103B
DATE: 02/15/2013

UTAH NATIONAL GUARD - CAMP WILLIAMS - BACHELOR ENLISTED QUARTER - CONSTRUCTION DOCUMENTS

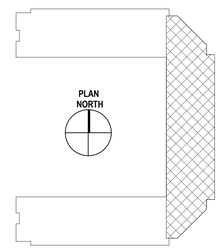


D6 LEVEL 1 FIRE ALARM PLAN - EAST WING

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

PLAN NORTH

0 4' 8' 16'



KEY PLAN

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SPECTRUM ENGINEERS

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No. 163854
DAVID L. AFFLECK
STATE OF UTAH
02-15-2013

GENERAL SHEET NOTES

1 COORDINATE EXACT LOCATIONS OF ALL CEILING MOUNTED FIRE ALARM DEVICES DEVICES WITH HARD LID CEILING ACCESS PANELS AND LIGHT FIXTURES INFIELD PRIOR TO ROUGH-IN.

SHEET KEYNOTES

1 PROVIDE MONITOR MODULE FOR ACCESSIBLE UNIT. BOTH ACCESSIBLE UNIT STROBE DEVICES SHALL ACTIVATE BASED ON SMOKE DETECTION IN EITHER UNIT.

2 INTERFACE SMOKE DETECTOR WITH FIRE/SMOKE DOOR FOR OPERATION UPON SMOKE DETECTION. COORDINATE REQUIREMENTS WITH FIRE/SMOKE DOOR INSTALLER.

BUILDING OFFICIAL APPROVAL

UTAH NATIONAL GUARD
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1ST LEVEL FIRE ALARM PLAN EAST WING

REVISION	DATE	BY	DESCRIPTION
△2	04/11/13		Addendum #4
△			
△			
△			

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WRT	DLA
PROJECT NO. 11007	DRAWING NO. FA101B
DATE 02/15/2013	

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