



## BIDDERS BULLETIN

PROJECT: First National Bank Drive Through  
North Platte, Nebraska

### BULLETIN NUMBER

BB-1

### ISSUED BY:

Stephen Granger

PROJECT #: 11-0794

DATE ISSUED: May 3<sup>rd</sup>, 2013

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

**BIDDER MUST ENTER THE NUMBER OF THIS BULLETIN ON HIS PROPOSAL SHEET**

### PRE-CONSTRUCTION MEETING

#### THE FOLLOWING ITEMS ARE APPROVED EQUALS

1. Extruded Polystyrene Plastic Board Insulation-Diversifoam 40 will be allowed as an approved equal for the exterior cavity wall insulation.
2. Extruded Polystyrene Plastic Board Insulation-Diversifoam 25 will be allowed as an approved equal for the perimeter foundation wall insulation.
3. Foam-Control Plus +250 Perimeter Foundation Insulation will be allowed as an approved equal for the perimeter footing insulation
4. Metal Sales Manufacturing Corporation Soffit Panel (AZ50 Coating) will be allowed as an approved equal for the soffit panel system
5. BarrierBac VB250 will be allowed as an approved equal for under slab vapor retarder.
6. Firestone Unaclad UC-6 Field seamed will be allowed as an approved equal for metal roofing applications
7. Firestone Unaclad UC-500 Flush Panel vented and non-vented panels will be allowed as an approved equal.

#### THE FOLLOWING ITEMS ARE APPLICABLE TO THE SPECIFICATIONS

##### BB-1, ITEM #1: Notice to Bidders

1. Bid date will be changed to May 9<sup>th</sup>, 2013, 11:00 Central Standard Time.

##### BB-1, ITEM #2: Bid Proposal Form

1. Attached is the updated Bid Proposal Form

First National Bank  
Bidder's Bulletin #1  
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**BB-1, ITEM #3: Section 04 20 00 Unit Masonry Work**

2. Provide as a bid allowance for brick veneer as 3 brick blend of \$495/1000 units. Final selection to be made by owner.

**BB-1, ITEM #4: Section 04 70 00 Manufactured Masonry**

1. Selection of Manufactured Masonry to be Cultured Stone by Boral Stone Products; Chardonnay Pro-fit Alpine LedgeStone. Pro-fit is a dry stack application. Install per manufacturers recommendations.

**BB-1, ITEM #5: Section 05 12 00 Structural Steel Framing**

1. Our project is not large enough to require the AISC certification.

**BB-1, ITEM #6: Section 07 24 01 Exterior Insulation Finish System type PB**

1. Refer to the attached specifications.

**BB-1, ITEM #7 Section 07 61 00 Preformed Metal Roofing**

1. Roof panels to be 24 gauge. Provide a Manufacturers 15 year warranty on the entire assembly system.

**BB-1, ITEM #8 Section 08 40 00 Aluminum Doors and Frames**

1. Aluminum door frames and window frames to be the dark anodized bronze finish. There is no curtain wall required for this project. Thermally broken aluminum frames are the product we are looking for.
2. Hardware: Aluminum Door supplier to provide the hardware for aluminum doors. Refer to specifications, remove the 5 knuckle hinges and replace with continuous hinges.
3. Coordinate all electronic hardware with security equipment supplier.
4. The active doors will have automatic operators, the non active doors will not.

**BB-1, ITEM #9 Section 07 61 00 Preformed Metal Roofing**

1. Roof panels to be 24 gauge. Provide a Manufacturers 15 year warranty on the entire assembly system.
2. Soffits, fascia, downspouts and gutters can be aluminum as specified.

**BB-1, ITEM #10 Section 08 71 00 Door Hardware**

1. Refer to Aluminum Doors and Frames for hardware Selections
2. Aluminum Door Supplier to provide hinges, push pulls, threshold, closers, sweeps and filler plate
3. Door 108, 1/2" glass door to conference room to have Dorma Arcos Universal hardware system, with a recessed floor hinge assembly compatible with the Dorma hardware products. (no lock require)
4. Doors 105, 106, 107, 109 to be the Dorma Agile 150 Dormotion system. System to be installed above ceiling system for a concealed application. Brace as required for assembly system.
5. Door 118a is not used

**BB-1, ITEM #11 Section 08 81 00 Glass and Glazing**

1. Interior 1/2" thick glass system to be tempered glass, not laminated as noted on the plans. The glass thickness will remain for the bidding process, 3/8" thickness will not be bid.

**BB-1, ITEM #12 Section 10 28 00 Toilet Accessories**

1. Provide in specifications a Diaper Changer to be installed in each restroom, changer to be an ASI 9012 surface mounted baby changing station. Provide blocking as required and install at heights as specified by manufacturer.

**THE FOLLOWING ITEMS ARE APPLICABLE TO THE DRAWINGS**

**BB-1, ITEM #13: SHEET C1.2**

1. Contractor will be required to remove and recompact current fill brought to the site for footings and foundations areas, along with removal and recompaction of soil at parking areas. Current site is at adjacent parking grade, proposed building elevation to be approximately 24"-30" above current grade. Refer to civil plans.
2. There is no top soil currently at the job site, all dirt on property is sandy clay fill.
3. All sidewalks at perimeter of the property will be removed and replaced.

**BB-1, ITEM #14: SHEET C1.3**

1. Third drive through lane will be changed to a 10'-0" width for clearances for horse trailers/general trailers. Column surround widths at this location will be reduced from 24" square units to 12"x24" units to provide the required clearances.

**BB-1, ITEM #15: SHEET C1.4**

1. Price sewer line connection from area as indicated on the plans. The city of North Platte is still reviewing alternate possibilities of a sewer connection.
2. The precast reinforced concrete inlet top is not required on this project.
3. Storm Sewer Grate Inlet detail as shown on the plans will require #4 bars at 12" centers on the floor, and #4 bars horizontal and vertical bars at 12" centers at all walls. Provide bent #4 bars 12" each way at 12" centers.

**BB-1, ITEM #16: SHEET C1.6**

1. All piping trenches will adhere to the requirement as noted on PVC Pipe Bedding Details

**BB-1, ITEM #17: SHEET A101**

1. Coffee bar counter will change according to the attached layout. SK-1
2. There will only be one screen installed behind the teller stations in area 119. Prep for the future installation of the other two screens. Monitors will be supplied by owner, installed by contractor.
3. In waiting room 104, we will not require note 29 about the coffee maker as well as note 34 about the coin sorter. Coffee maker will be located over at coffee bar area 102.
4. Drive through columns located at grid line 5, columns B and J will be reduced in size from 24" square to 12"x24" to widen the third lane to meet a 10' drive through width request by the owner.
5. Room 109 will have a ½ thick slider door to match the other offices. The only ½ thick glass door that has hinges is located at the conference room.
6. Front column details will remain framed as wood, not steel framing.

**BB-1, ITEM #18: SHEET A102**

1. GL-1 and GL-2 to be tempered 1/2" thick glass, not laminated glass as indicated.
2. There is no curtain wall framing on this project. We will be utilizing a standard thermally broken aluminum frame system for the exterior window units.
3. Refer to sheet I101 for interior finish information
4. Refer to sheet S102 for sheathing requirements. 1/2" plywood on exterior wall sheathing and 5/8" plywood on roof sheathing as noted on sheet S102.
5. Exterior framing of the building is a wood frame structure, interior wall framing is a metal stud framed structure.

**BB-1, ITEM #19: SHEET A104**

1. Refer to the attached sketch for additional information requirements for toilet accessories. SK-2
2. There is a vertical grab bar located in each toilet stall.
3. Soap dispenser will be soap bottles on the counters, supplied by the owner.
4. Note 10 and note 4 in Enlarged Plan Key Notes are not utilized.

**BB-1, ITEM #20: SHEET A105**

1. Detail 9/A105 indicates a 90 degree elbow at the bottom of the downspout, all downspouts will go below grade. Provide a flared pvc termination pipe wide enough to insert downspouts. Pipe to terminate flush at concrete locations and 2" above grade and landscaping areas.
2. Roof system at low sloped areas will be a TPO system, not an epdm.

**BB-1, ITEM #21: SHEET A201**

1. At south elevation, upper parapet wall will have the same color of EIFS Accent # 2 to match the entry tower accent color.

**BB-1, ITEM #22: SHEET A301**

1. At all interior door frames, provide a control joint above each door corner on both sides of the wall.
2. Section AA-install a plywood barrier system in truss space at teller drive through roof area.
3. Section CC will remove the lay in tile ceiling space and go to a hard ceiling system at 8'-0" to allow for an attic access pulldown stair system. Stair unit to be a Precision Ladders, LLC Super Simplex Disappearing Stairway with locking hardware.
4. Attic insulation can be either batt or blown in insulation, R-Value 40.
5. Install a single layer of sheet rock at underside of trusses, fire tape and mud as required.

**BB-1, ITEM #23: SHEET A401**

1. Wall sections, provide Perm-A-Barrier Liquid, spray applied air and vapor barrier at building exterior. Provide compatible flashing products with the Perm-A-Barrier system.

**BB-1, ITEM #24: SHEET A603**

1. Countertop behind front teller lines to be the Quartz top system.

**BB-1, ITEM #25: SHEET A701**

1. Ceiling system at drive through to be a stucco system.

**BB-1, ITEM #26: SHEET I101**

1. CWB indicated on the Room Finish Schedule refers to Cherry Wood Base, not covered wall base.

**BB-1, ITEM #27: SHEET A105**

1. Detail 9/A105 indicates a 90 degree elbow at the bottom of the downspout, all downspouts will go below grade. Provide a flared pvc termination pipe wide enough to insert downspouts. Pipe to terminate flush at concrete locations and 2" above grade and landscaping areas.
2. Roof system at low sloped areas will be a TPO system, not an epdm.

END OF BID BULLETIN #1

**NOTICE TO BIDDERS**

The **First National Bank** in North Platte, Nebraska, will receive sealed proposals for the **New Drive Through Branch Bank located in North Platte, Nebraska, until 11:00 AM Central Time on May 9, 2013 at the office of CG Architects located at 319 East Francis Street, Suite 101**, North Platte, Nebraska. Proposals will be privately opened.

The project consists of furnishing all labor, materials and equipment necessary to complete all general, mechanical and electrical work as shown on the drawings and described in the specifications prepared by the Architect, CG Architects, 319 East Francis Street Ste 101, North Platte, Nebraska. The project being the new branch office drive through facility. This is an invite only project for the General Contractors. General Contractors selected to bid the project are as follows: Wayne Dowhower Construction and Steele's Roofing and Construction.

All bids shall be made on the printed proposal forms issued by the Architect.

The successful bidder will be required to furnish Corporate Surety Performance and Payment Bonds in a sum equal to 100% of the contract price.

All proposals shall remain in effect for a period of 30 calendar days after the scheduled closing time for the receipt of proposals. Each bid shall be accompanied by an acceptable Bid Bond or certified check payable to First National Bank in the amount of five percent (5%) of the total bid submitted as a guarantee that if awarded the contract, the Bidder will promptly enter into a contract. If bid security is not received with the proposal, the bid will not be considered.

Plans and specifications may be examined at the office of the Architect, CG Architects 319 East Francis Street Ste 101, North Platte, Nebraska; Lincoln Builder's Bureau, Lincoln; Omaha Builder's Exchange, Omaha; F.W. Dodge Division, Omaha; Central Nebraska Plan Service, North Platte; Builder's Plan Service, Copies of plans and specifications may be obtained from the Architect electronically, or upon payment of a **\$100.00 deposit** for each set. The deposit will be refunded upon return of the plans and specifications in good condition within 30 days after the bid opening date.

**A pre-bid walkthrough at the site will not be scheduled. Any site visits by either contractor can set up an appointment with the Architect to review and visit the site.**

The Owner shall have the right to reject any or all bids and to reject a bid not accompanied by any requiring bid security or by other data required by the bidding documents; or to reject a bid which is in any way incomplete or irregular and to waive any informalities in any proposal.

FIRST NATIONAL BANK  
DRIVE THROUGH FACILITY  
NORTH PLATTE, NEBRASKA

**BID PROPOSAL**

TO: First National Bank  
Drive Through Facility  
North Platte, Nebraska

Project # 11-0794

The undersigned, having carefully examined the Instructions to Bidders, General Conditions and Supplementary Conditions, Specifications, addenda and associated bidding documents, as prepared by the Architect, CG Architects, as well as the premises and conditions affecting the work, proposes to furnish all materials and labor, machinery, tools and services necessary to perform the work as set forth in and in accordance with said documents for the lump sum amounts listed below.

**BASE BID:** (Includes General, Mechanical & Electrical work for construction of a new drive through branch bank. Work will also consist of site improvements and all other information provided on the bidding documents)

\_\_\_\_\_ ( \$ \_\_\_\_\_ )

The contract time will be \_\_\_\_\_ calendar days from the written date of Notice to Proceed.

Receipt of the following Addenda (Bid Bulletin) is hereby acknowledged: \_\_\_\_\_.

**Bid Alternate:** None

\_\_\_\_\_ Deduct ( \$ \_\_\_\_\_ )

The Bid Proposal Form is to be placed in a sealed envelope marked "Bid Proposal – First National Branch Bank Facility and is to be delivered to the office of CG Architects, located at 319 East Francis Street, Suite 101, North Platte, Nebraska no later than **11:00 AM Central Time on May 9<sup>th</sup>, 2013.** Proposals will be opened privately.

Respectfully Submitted,

Corporation Seal:

Bidder: \_\_\_\_\_

Signature: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_  
Date: \_\_\_\_\_

SECTION 07241 – EXTERIOR INSULATION AND FINISH SYSTEMS – CLASS PB

PART 1 – GENERAL

RELATED DOCUMENTS

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

SUMMARY

This Section includes the following:

Application over masonry surfaces.

Applications over plywood sheathing.

Related Sections: The following Sections contain requirements that relate to this Section:

Division 4 Section “Unit Masonry” for masonry substrates behind system.

Division 6 Section “Rough Carpentry” for plywood sheathing substrates behind system.

Division 7 Section “Joint Sealers” for requirements specified by reference in this Section for sealing joints in system with elastomeric joint sealants.

DEFINITIONS

Exterior insulation and finish systems refer to exterior assemblies composed of an inner layer of board insulation and an outer layer composed of a glass-fiber-mesh-reinforced base coat applied directly to board insulation and a textured protective finish coat. These assemblies are applied to supporting substrates of construction indicated.

Designation PB for class of exterior insulation and finish systems specified in this Section is based on the classification developed by the EIFS Industry Members Association (EIMA).

System in this Section refers to Class PB exterior insulation and finish systems.

System manufacturer refers to the manufacturer of exterior insulation and finish systems.

PERFORMANCE REQUIREMENTS

General: Provide systems that comply with the following performance requirements:

Bond Integrity: Free from bond failure within system components or between system and supporting wall construction, resulting from exposure to fire, wind loads, weather or other in-service conditions.

Weather tightness: Resistant to water penetration from exterior into system and assemblies behind system or through assemblies into interior of building that results in deterioration of thermal-insulating

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effectiveness or other degradation of system and assemblies behind system, including substrates, supporting wall construction and interior finish.

### SUBMITTALS

General: Submit each item in this Article according to the Conditions of the Contract and Division I Specification Sections.

Product data for each component of exterior insulation and finish systems specified.

Shop Drawings showing fabrication and installation of system including plans, elevations, section, details of components, joint locations and configurations within system and between system and construction penetrating it, and attachments to construction behind system.

Samples for selection in the form of manufacturer's color charts and small-scale samples consisting of actual units or sections of units showing the full range of colors, textures and patterns available for each type of textural choices indicated.

Submit sealant manufacturer's standard bead samples consisting of strips of actual products showing full range of colors available.

### QUALITY ASSURANCE

Installer Qualifications: Engage an experienced Installer who is certified in writing by system manufacturer as qualified to install manufacturer's system.

Singe-Source Responsibility: Obtain materials for system from one source and by a single manufacturer or by manufacturers approved by the system manufacturer as compatible with other system components.

### DELIVERY, STORAGE AND HANDLING

Deliver products in original, unopened packages with manufacturer's labels identifying products legible and intact.

Store materials inside and under cover; keep them dry and protected from the weather, direct sunlight, surface contamination, aging, corrosion, damaging temperatures, damage from construction traffic and other causes.

Stack insulation board flat and off the ground.

### PROJECT CONDITIONS

Environmental Conditions: Do not install system when ambient outdoor air and substrate temperatures are 40° F (4° C) and falling unless temporary protection and heat are provided to maintain ambient temperatures above 40° F (4° C) during installation of wet materials and until they have dried thoroughly and become weather resistant, but for not less than 24 hours after installation.

### COORDINATION AND SCHEDULING

Coordinate installation of system with related unit of Work specified in other Sections to ensure that wall assemblies, including sheathing, flashing, trim and joint sealers are protected against damage from the effects of weather, age, corrosion and other causes.

## PART 2 – PRODUCTS

### MANUFACTURERS

Manufacturers: Subject to compliance with requirements, provide Class PB system by one of the following:

Total Wall System  
Dryvit Systems Inc.  
Outsulation MD System  
EIFS Incorporated  
Senergy, Inc.  
STO Industries  
United States Gypsum Co.

### MATERIALS

Compatibility: Provide adhesive, board insulation, reinforcing fabrics, base and finish coat materials, sealants and other accessories that are compatible with one another and approved for use by system manufacturer.

Colors and Textures of Finish Coat: Comply with the following requirements:

Provide Architect's selections from manufacturer's full range of colors and textures for type of finish coat indicated.

Adhesive for Application of Insulation: System manufacturer's standard formulation designed for indicated use, compatible with substrate and complying with the following requirements:

Job-mixed formulation of portland cement complying with ASTM C 150, Type I and polymer-based adhesive specified for base coat.

Factory-blended dry formulation of portland cement, dry polymer admixture and fillers specified for base coat.

Factory-mixed formulation designed for adhesive attachment of insulation to substrates of type indicated, as approved by system manufacturer.

Any of the formulations indicated above.

Molded Polystyrene Board Insulation: Rigid cellular thermal insulation formed by the expansion of polystyrene resin beads or granules in a closed mold, complying with ASTM C 578 for Type I, approved by system manufacturer for material qualities including corner squareness, other dimensional tolerance and the following:

Age insulation in block form prior to cutting and shipping by air drying for not less than 6 weeks or by another method approved by system manufacturer that produces equivalent results.

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Drive Through Facility  
North Platte, NE

Provide insulation in boards not more than 24 by 48 inches and in thickness indicated but not less than that allowed by system manufacturer, nor more than 4"

Reinforcing Fabric: Balanced, alkali-resistant open-weave glass-fiber fabric treated for compatibility with other system materials, made from continuous multiend strands with tensile strength of not less than 145 lb. and 150 lb. in warp and fill direction per ASTM D 5035, complying with ASTM D 578 and the following requirements for minimum weight:

Standard Reinforcing Fabric: 4.0 oz./sq. yd.

Strip Reinforcing Fabric: 3.75 oz./sq. yd.

Base Coat Materials: System manufacturer's standard mixture complying with the following requirements for material composition and method of combining materials:

Factory-mixed formulation of polymer emulsion adhesive and inert fillers that are ready to use without the addition of other materials.

Factory-blended dry formulation of portland cement, dry polymer admixture and inert fillers to which only water is added at the jobsite.

Job-combined formulation of manufacturer's standard polymer emulsion adhesive and manufacturer's standard dry mix containing portland cement.

Job-mixed formulation of portland cement complying with ASTM C 150, Type I, white or natural color; and system manufacturer's standard polymer emulsion adhesive designed for use indicated.

Any of the formulation indicated above.

Finish Coat Materials: System manufacturer's standard mixture complying with the following requirements for material composition and method of combining materials:

Factory-mixed formulation of polymer emulsion binder, colorfast mineral pigments, sound stone particles and fillers.

Water: Clean and potable.

Trim Accessories: Type as designated or required to suit conditions indicated and to comply with system manufacturer's requirements, manufactured from vinyl plastic and complying with ASTM C 1063.

Casing Bead: Prefabricated 1-piece type for attachment behind insulation, of depth required to suit thickness of coating and thickness of insulation as well, with face leg perforated for bonding to coating.

Drip Screenshot: Prefabricated 1-piece type for attachment behind insulation, of depth required to suit thickness of coating and thickness of insulation as well, with face leg perforated for bonding to coating and extended to form a drip.

## ELASTOMERIC SEALANTS

Sealant Products: Provide system manufacturer's recommended chemically curing, elastomeric sealant that is compatible with joint fillers, joint substrates and other related materials and complies with requirements of Division 7 Section "Joint Sealers" for products corresponding to description indicated below.

Multipart nonsag urethane sealant.  
Low modulus silicone sealant.

Sealant Colors: Comply with the following requirement:

Provide Architect's selections from sealant manufacturer's full range of standard colors.

## MIXING

General: Comply with system manufacturer's requirements for combining and mixing materials. Do not introduce admixtures, water or other materials except as approved by system manufacturer. Mix materials in clean containers. Use materials within time period specified by system manufacturer or discard.

## PART 3 – EXECUTION

### EXAMINATION

Examine substrates, with Installer present, to determine if they are in satisfactory condition for installation of system. Do not proceed with installation of system until unsatisfactory conditions have been corrected.

### PREPARATION

Protect adjacent work from moisture deterioration and soiling resulting from application of systems. Provide temporary covering and other protection needed to prevent spattering of exterior finish coatings on other work.

Protect system, substrates and wall construction behind them from inclement weather during installation. Prevent infiltration of moisture behind system and deterioration of substrates.

Prepare and clean substrates to comply with system manufacturer's requirement to obtain optimum bond between substrate and adhesive for insulation.

Apply primer-sealer over substrates where required by system manufacturer for improving adhesion or for protecting substrates from premature degradation.

### INSTALLATION

Comply with manufacturer's current published instructions for installation of system as applicable to each type of substrate indicated.

Apply trim accessories at perimeter of system, at expansion joints and elsewhere as indicated. Use drip screed at bottom edge of system unless otherwise indicated. Use casing beads at other locations.

Adhesively attach insulation to comply with the following requirements:

Allow adhered insulation to remain undisturbed for period prescribed by system manufacturer, but not less than 24 hours, prior to beginning rasping and sanding insulation or application of base coat and reinforcing fabric.

Apply insulation boards over dry substrates in courses with long edges oriented horizontally. Begin first course from drip screed and work upward. Work from perimeter casing beads toward interior of panels when possible. Apply a thin coat of adhesive to edges of insulation before inserting into trim accessories.

Stagger vertical joints in successive courses to produce running bond pattern. Locate joints so that no piece of insulation is less than 12" wide or 6" high. Offset joints at least 6" from corners of window and door openings.

Offset joints of insulation at least 4" from joints in sheathing.

Offset joints of insulation at least 4" from decorative grooves (false joints).

Interlock ends at internal and external corners.

Abut boards tightly at joints within and between each course to produce flush, continuously even surfaces without gaps or raised edges between insulation boards. If gaps occur, rill with insulation cut to fit gaps exactly; insert without use of adhesive.

Cut insulation to fit openings, corners and projections precisely and to produce edges and shapes conforming to details indicated.

Rasp or sand flush entire surface of insulation to remove irregularities projecting more than 1/32" from surface of insulation and to remove yellowed areas due to sun exposure; do not create depressions deeper than 1/16".

Cut grooves, rabbets and other features in outside face of insulation with high-speed router and bit configured to produce grooves, rabbets and other features that conform accurately to profiles and locations indicated. Do not reduce insulation thickness at features to less than 3/4".

Interrupt insulation where expansion joints are indicated or required (verify with Architect) in substrates behind exterior insulation and finish systems.

Form joints for sealant application with back-to-back casing beads for joints within system and with perimeter casing beads at dissimilar adjoining surfaces. Make gaps between casing beads and between perimeter casing beads and adjoining surfaces of width indicated.

Treat exposed edges of insulation board, including those forming substrates of sealed joints within system or between system or other work, by encapsulating with base coat, reinforcing fabric and finish coat, unless otherwise indicated.

Treat edges of insulation board at trim accessories by extending base coat, reinforcing fabric and finish coat over face leg of accessories.

Coordinate flashing installation with installation of insulation to produce a wall system that does not allow water to penetrate behind protective coating.

Apply base coat to exposed surfaces of insulation in minimum thickness specified by system manufacturer.

Embed reinforcing fabric of type indicated below in wet base coat to produce wrinkle-free installation with fabric continuous or lapped at corners and lapped or otherwise treated at joints to comply with system manufacturer's requirements. Completely embed fabric, applying additional base coat material if necessary, so that reinforcing fabric pattern is not visible.

Standard reinforcing fabric unless otherwise indicated.

Additional Reinforcing Fabric: Apply strip-reinforcing fabric around openings extending 4" beyond perimeter. Apply additional 8" by 16" strip reinforcing fabric diagonally at corners of openings (re-entrant corners). Apply 8" wide strip reinforcing at both inside and outside corners unless base layer of fabric is lapped at least 4" on each side of corners.

At decorative grooves (false joints), apply strip reinforcing at least 8" wide.

Embed strip-reinforcing fabric in base coat before applying first layer of reinforcing fabric.

Apply finish coat over dry base coat in thickness required by system manufacturer to produce a uniform finish of texture and color matching approved sample.

#### INSTALLATION OF JOINT SEALANTS

Prepare joints and apply sealants, of type and at locations indicated, to comply with applicable requirements of Division 7 Section "Joint Sealers" and with EIMA "Joint Sealant Specifications for Exterior Insulation and Finish Systems (EIFS) Class PB and PM."

Clean surfaces to receive sealants to comply with indicated requirements and system manufacturer's recommendations.

Apply primer recommended by sealant manufacturer for surfaces to be sealed.

Install sealant backing to control depth and configuration of sealant joint and to prevent sealant from adhering to back of joint.

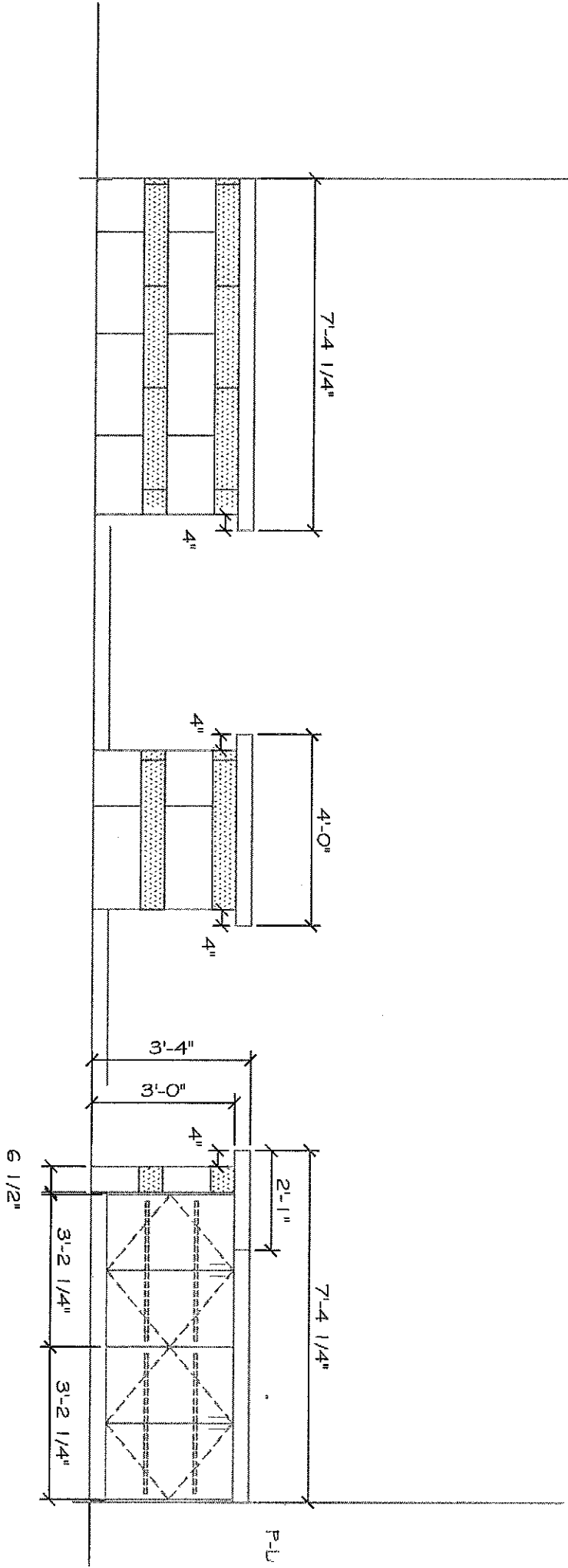
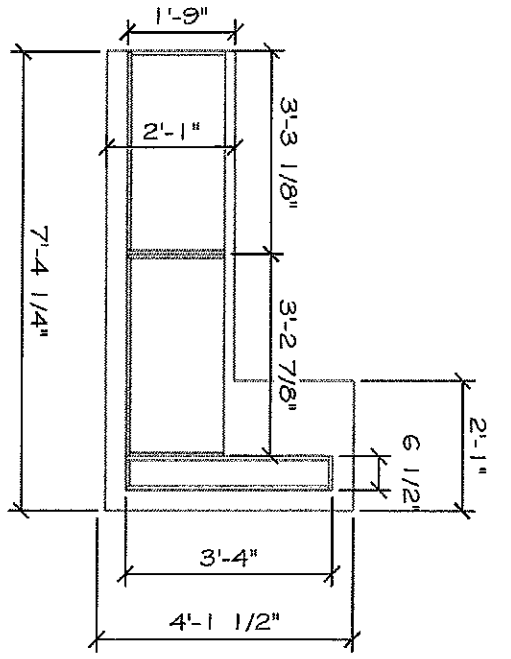
Apply masking tape to protect areas adjacent to sealant joints. Remove tape immediately after tooling joints without disturbing joint seal.

#### CLEANING AND PROTECTION

Remove temporary covering and protection of other work. Promptly remove coating materials from window and doorframes and other surfaces outside areas indicated to receive system coatings.

Provide final protection and maintain conditions in a manner acceptable to Installer and system manufacturer that ensures system's being without damage or deterioration at time of Substantial Completion.

END OF SECTION 07241



E 1  
A601

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

E 2  
A601

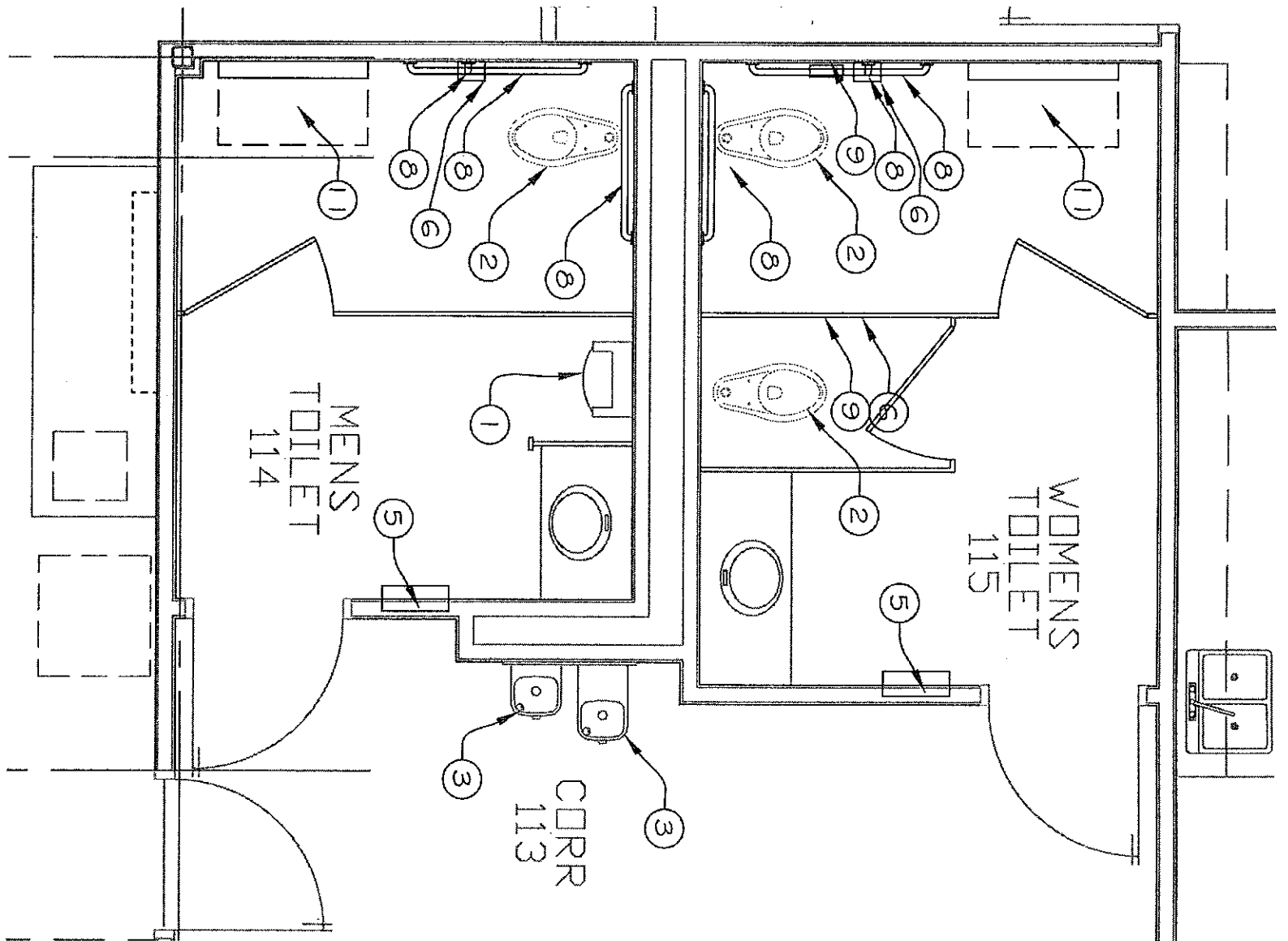
Coffee Bar  
SCALE: 1/4" = 1'-0"

E 3  
A601

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

ENLARGED PLAN KEY NOTES: ①

1. NEW URINAL.
2. NEW WATER CLOSET.
3. NEW WATER COOLER.
4. NOT USED.
5. PAPER TOWEL DISPENSER / TRASH RECEPTACLE COMBINATION.
6. TOILET TISSUE DISPENSER (SURFACE MOUNTED).
7. NOT USED.
8. GRAB BAR (SURFACE MOUNTED).
9. SANITARY NAPKIN DISPOSAL (SURFACE MOUNTED).
10. UTILITY SHELF & MOP RACK.
11. FOLDING DIAPER CHANGING STATION (SURFACE MOUNTED).



# DESIGN DATA - GENERAL NOTES

## Concrete

- Footings widths not dimensioned shall be a total of 12" wider than the wall above (16" minimum).
- All concrete work shall conform to ACI 301 and ACI 318. All reinforcing supplied shall conform to ACI 315.
- Dowels shall be set 3" from the bottom of footing and shall extend above the top of footing the minimum distance required for lap lengths or as noted on the drawings. Bars shall be the same size and spacing as bars above.
- Bars marked continuous shall be in as long lengths as possible. Lap bars as shown in Typical Reinforcement Table. Laps shall occur in regions of low stress only. Provide corner bars in the same size and number as the continuous reinforcing at all concrete and footing intersections or 90° bends of proper length at the ends of reinforcing bars at intersections.
- Reinforcing in footings shall be accurately placed before placing concrete. Do not float reinforcing into footings.
- Mechanically vibrate all concrete.
- Do not place pipes, ducts, or chases in structural concrete without approval of the ARCHITECT/ENGINEER. See architectural, mechanical, and electrical drawings for locations.
- Construct form work so concrete members and structures are of size, shape, alignment, elevation, and position indicated within tolerance limits of ACI 117.
- Control joints in slab on grade shall be placed at column line intersections and as shown on plans.
- All reinforcing steel shall be bent cold, detailed, fabricated, and held in place in accordance with the "Manual of Standard Practice For Detailing Reinforced Concrete Structures" [ACI 315 latest edition], except as otherwise detailed or specified.
- Provide the following concrete cover to reinforcing:  
for concrete cast against the earth and permanently exposed to earth: 3"  
for concrete exposed to earth or weather: 2"  
for concrete not exposed to weather or in contact with earth:  
slabs, walls, joists: 3/4"  
beams, columns: 1 1/2"
- The CONTRACTOR shall exercise extreme caution so as to not undermine, disturb, damage, or in any way cause undesirable movement, cracking, and/or settlement of the construction. The CONTRACTOR is completely responsible for all shoring, forming, bracing, etc.
- See the plans for floor slab on grade construction. All mesh reinforcing shall be supplied in sheet stock not roll stock. See the plan for other thicknesses of concrete slabs.
- All continuous footings, grade beams, and pad footings have been designed for a "net" allowable soil bearing pressure of 2,500 psf. The CONTRACTOR shall employ services of Twin Rivers Testing, Inc. of North Platte, Nebraska or a qualified geotechnical engineering firm to verify the design soil bearing pressure and to perform all required field observations and tests.
- Sub-soils supporting or in direct contact with footings, slabs on grade, or other foundation elements shall be protected against freezing conditions that could cause movements or other detrimental effect to the structure as a whole or to any of its component parts.
- All slabs on grade shall bear on properly compacted backfill. Any unacceptable backfill as determined by project's geotechnical engineer, shall be removed and replaced as required by the geotechnical engineer.
- The bottoms of all footings shall be placed at a minimum depth of 48" below adjacent finish grade.
- Submit concrete mix design to the STRUCTURAL ENGINEER for approval.
- Submit shop drawings of reinforcing steel for footings and other concrete work to the STRUCTURAL ENGINEER for approval.

## Structural Steel

- Structural steel shall be fabricated and erected in conformance with "AISC Specification for Design, Fabrication, and Erection of Structural Steel For Buildings".
- Shop paint structural steel with fabricator's standard lead and chromate free, non-asphaltic, rust inhibiting primer, unless noted otherwise. All exterior exposed steel shall be galvanized.
- All connections shall be designed by the supplier based upon maximum beam reactions unless noted otherwise on the drawings.
- All bolted connections shall be high strength ASTM A325 bolts. Tension indicating "twist-off" type bolts shall be used for all main member connections. Bolts shall be installed per the requirements of RCSC's "Specification For Structural Joints Using ASTM A325 or A490 Bolts".
- Comply with American Welding Society standards. ALL welders shall have valid certificates and have current experience in the types of welds called for.
- Provide anchor rods in lengths stated on the drawings. All anchor rods for column base plates shall be secured in place with a template and shall be tied securely to reinforcing bars before placing concrete.
- Anchor rod holes in column base plates may be over sized per table 14-2 of the 13th Edition of the LRFD manual. If over sized holes are used, washer plates shall be provided as specified and field welded to the base plates.
- Submit shop drawings to the STRUCTURAL ENGINEER for approval.

## Wood Framing

- Provide framing members as indicated on the drawings.
- Wood framing members (studs, headers, etc.) shall meet or exceed the following grade and design values:  
Species: Pine-Fir No. 2 or better (SPF No. 2 br)  
Fb = 875 psi  
Ft = 450 psi  
Fv = 135 psi  
Fc = 425 psi (perpendicular)  
Fc = 1,150 psi (parallel)  
E = 1,400,000 psi
- Framing members indicated as Parallam shall meet or exceed the following grade and design values:  
Parallam PSL 2.0E (as manufactured by Trus-Joist by Weyerhaeuser)  
Fb = 2,900 psi  
Fv = 290 psi  
Fc = 750 psi (perpendicular)  
Fc = 2,900 psi (parallel)  
E = 2,000,000 psi
- Framing members indicated as Microlam shall meet or exceed the following grade and design values:  
Microlam LVL 1.9E (as manufactured by Trus-Joist by Weyerhaeuser)  
Fb = 2,600 psi  
Fv = 285 psi  
Fc = 750 psi (perpendicular)  
Fc = 2,510 psi (parallel)  
E = 1,900,000 psi
- Alternate wood framing members subject to approval of structural engineer. Wood sheathing to be field applied (not panelized) at all interior shearwalls.
- See Sheathing Schedule for required sheathing thicknesses, grades, and nailing patterns. The nails or staples shall be covered by the latest edition of LEGACY REPORT ESR-1539.
- The CONTRACTOR shall verify the level of protection required for all steel in contact with treated lumber. Coordinate with lumber supplier and STRUCTURAL ENGINEER. Galvanizing shall be the minimum level of protection required for steel requiring protection.
- All wood in contact with concrete/masonry or exposed to the exterior shall be preservative treated.
- See table 2304.9.1, IBC 2009 for typical nailing schedule and section 2308, IBC 2009 for conventional framing details.

## Pre-Engineered Wood Trusses

- Roof and floor wood trusses shown are schematic. Actual truss design by the wood truss supplier.
- The truss supplier shall note all loads, bearing conditions, slopes, truss spacing, and requirements of other trades and disciplines.
- Wood trusses are to be designed by the supplier based on the loads provided and all special loads noted on the drawings.
- If a discrepancy is noted or a change required, notify the ARCHITECT and ENGINEER immediately, prior to submittal of shop drawings.
- Temporary bracing of all structural framing shall be provided by and is the complete responsibility of the general contractor.
- All truss connections, permanent bracing, and temporary bracing shall be designed by the supplier.
- Coordinate all connection requirements with the steel supplier.
- Coordinate size and location of mechanical openings with mechanical contractor.
- Truss supplier to notify engineer of any proposed change in truss bearing conditions.
- The truss supplier shall consider all applied loads including but not limited to minimum live load, snow load, un-balanced snow load, valley drift, and uplift. See the LOADS section for more information.
- Wood truss supplier shall limit deflection of trusses as follows:  
Roof:  
Total Load: L240  
Live Load: L360 or 1" max.  
Floor:  
Total Load: L240  
Live Load: L360 or 1" max.
- Submit shop drawings detailing truss lay-out, truss configuration, and connection details. Submit truss design calculations that include applied loads, reactions, and special conditions. All drawings shall be stamped by an engineer licensed to practice in the State of Nebraska.

## Brick

- Brick expansion joints to be spaced no more than 24' o.c. at exterior walls unless noted otherwise.
- Brick expansion joints to be spaced no more than 4' from corners at exterior walls unless noted otherwise.

## GOVERNING CODE: 2009 International Building Code

### SPECIAL INSPECTION:

Special Inspection not required, unless as required by local building official.

### SOILS REPORT:

A soil investigation was performed by Twin Rivers Testing (Report #2011-151). A GEOTECHNICAL ENGINEERING firm shall be retained by the CONTRACTOR to verify all assumed soils conditions in the field.

Allowable net soil bearing pressure.....2500 psf  
\*Include overexcavation as detailed in geotechnical engineering report

### DESIGN LOADS:

Occupancy Category.....	II
Dead Loads	
floor (includes 10 psf on bottom chord).....	20 psf + truss weight
roof (includes 10 psf on bottom chord).....	20 psf + truss weight
Live Loads	
floor (uninhabitable attic with storage).....	20 psf
minimum live load.....	20 psf
Roof Snow Load	
ground snow load, P <sub>g</sub> .....	25 psf
snow exposure factor, C <sub>e</sub> .....	1.0
snow load importance factor, I <sub>s</sub> .....	1.0
thermal factor, C <sub>t</sub> .....	1.0
rain on snow surcharge.....	NA

Effects of slope, un-balanced loading, wind uplift, and partial loading shall be considered by the wood truss supplier. See plan and detail for snow drift loads and locations.

### Wind Loads

basic wind speed.....	90 mph
design method.....	Simplified Design Method
wind importance factor, I <sub>w</sub> .....	1.0
exposure category.....	B
components & cladding.....	see associated tables in IBC 2009
overhangs.....	see associated tables in IBC 2009

### Seismic Loads

Site classification.....	D
Importance factor (I <sub>e</sub> ).....	1.00
Seismic use group.....	A
Seismic design category.....	A
Spectral response coefficients	
S <sub>s</sub> = 0.0923	
S <sub>1</sub> = 0.0333	
S <sub>0.1</sub> = 0.098	
S <sub>d1</sub> = 0.053	

Basic seismic force resisting system: Light framed walls with shear panels. Does not control design. See Wind Loads.

Roof Diaphragm Load  
all roof areas.....see Roof Sheathing Schedule

## MATERIALS:

### CONCRETE

28 Day Concrete Strengths (Minimum):	
Footings.....	3000 psi
Slabs on grade.....	3500 psi
Supported floors and stoops.....	3500 psi
Reinforcing Bars.....	ASTM A615 Grade 60
Welded Bars and Anchors.....	ASTM A705 Grade 60
Welded Wire Fabric (WWF).....	ASTM A185

### MASONRY

CMU.....	Grade N Normal Weight
f <sub>m</sub> .....	2000 psi
Reinforcing bars.....	ASTM A615 Grade 60
Horizontal joint reinforcing.....	9 gauge ladder type Galvanizing
Interior Walls.....	ASTM A641 Class 1
Masonry grout.....	6 1/2 sack, ready mix sand-gravel concrete with a slump of 8" to 11"
Mortar	
CMU.....	Type S
Brick.....	Type N

### STRUCTURAL STEEL

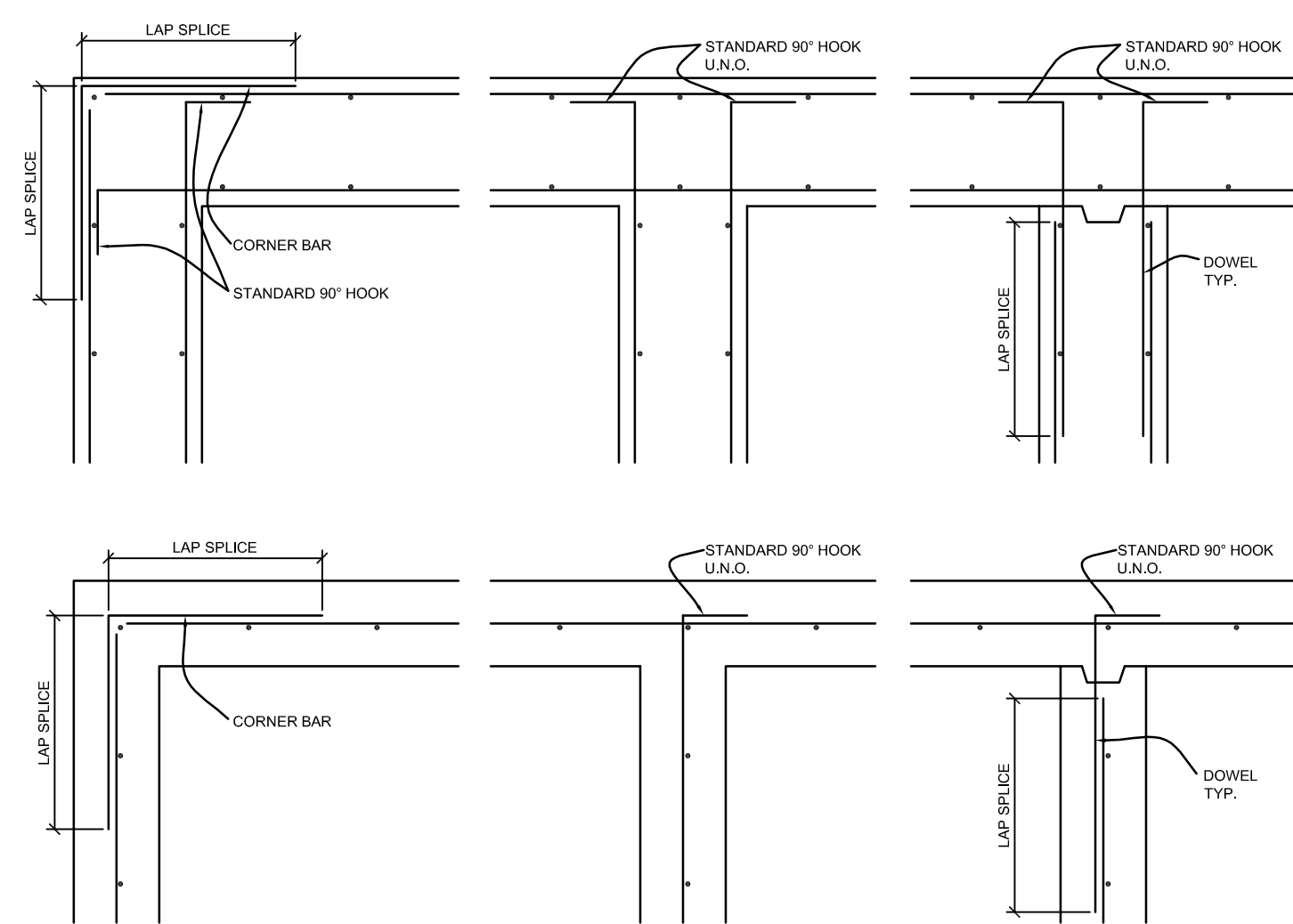
W Shapes.....	ASTM A 992
Rolled shapes & plates.....	ASTM A36
Tubes.....	ASTM A500 Grade B
Bolts (unless noted otherwise).....	ASTM A325
Anchor Rods.....	ASTM F1554, Grade 36 E or S
Welding Electrodes.....	E70XXX unless noted otherwise
Expansion Bolts.....	Hilti Kwik Bolt T2 or approved equivalent
Adhesive Anchors.....	Hilti HIT HY 150 max. or approved equivalent
Screw Anchors.....	Hilti HUS-H or Simpson Titen HD
Sleeve Anchors.....	Hilti HLC or approved equivalent

### CODES

IBC 2009
NDS 2005
ASCE 7-05
ACI 318-08 (Cast-in-Place Concrete)
ACI 330-05 (CMU)
ASCS 13TH EDITION (Structural Steel)

### Light Gauge Metal

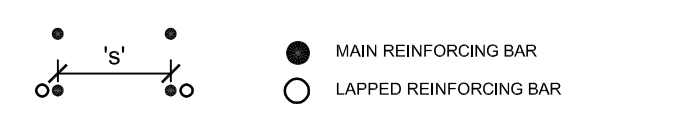
- Light gauge metal framing shall be designed and manufactured in accordance with the latest edition of "The North American Specification For The Design of Cold Formed Steel Structural Members" and "The Cold Formed Steel Framing Design Guide" of the American Iron and Steel Institute.
- Provide tracks, blocking lintels, headers, clip angles, strap bracing, shoes, reinforcements, fasteners, and accessories to provide a complete metal frame system.
- Isolate partitions from structural elements with slip or cushion type joints between steel framing and structure as recommended by steel framing manufacturer to prevent transfer or movements to partitions.
- Attach similar metals by welding. Attach dissimilar materials by bolting or with screw fasteners.
- Install horizontal stiffeners in stud system spaced at 40" o.c. vertically maximum. Weld at each intersection.
- Fasten gypsum board or plywood with 1/2" TEK screws at 6" o.c. at all supports and edges.
- Bearing studs must be fabricated with full stud end seated against track web.
- Provide double metal stud around all openings and stud wall system at jambs, heads, and sills. Weld at all intersections.
- Metal studs system (studs, headers, sills, tracks, etc.) shall be designed by the supplier.



**1 Horizontal Wall/Footing Reinforcement Details**  
Scale: No Scale

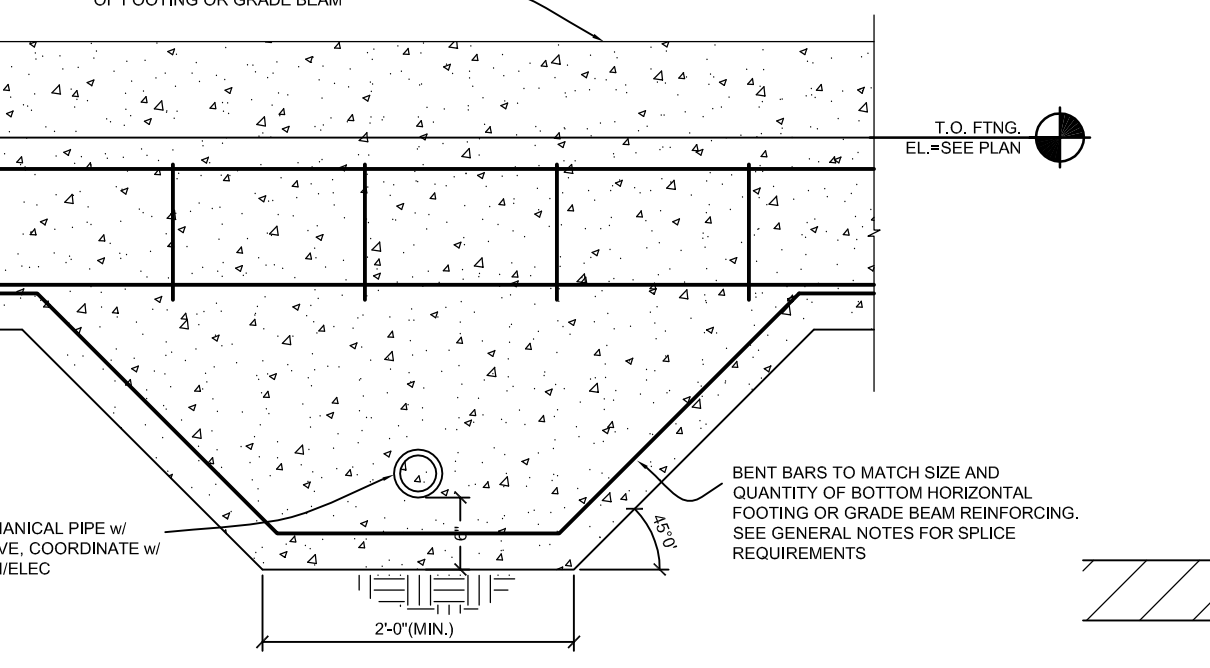
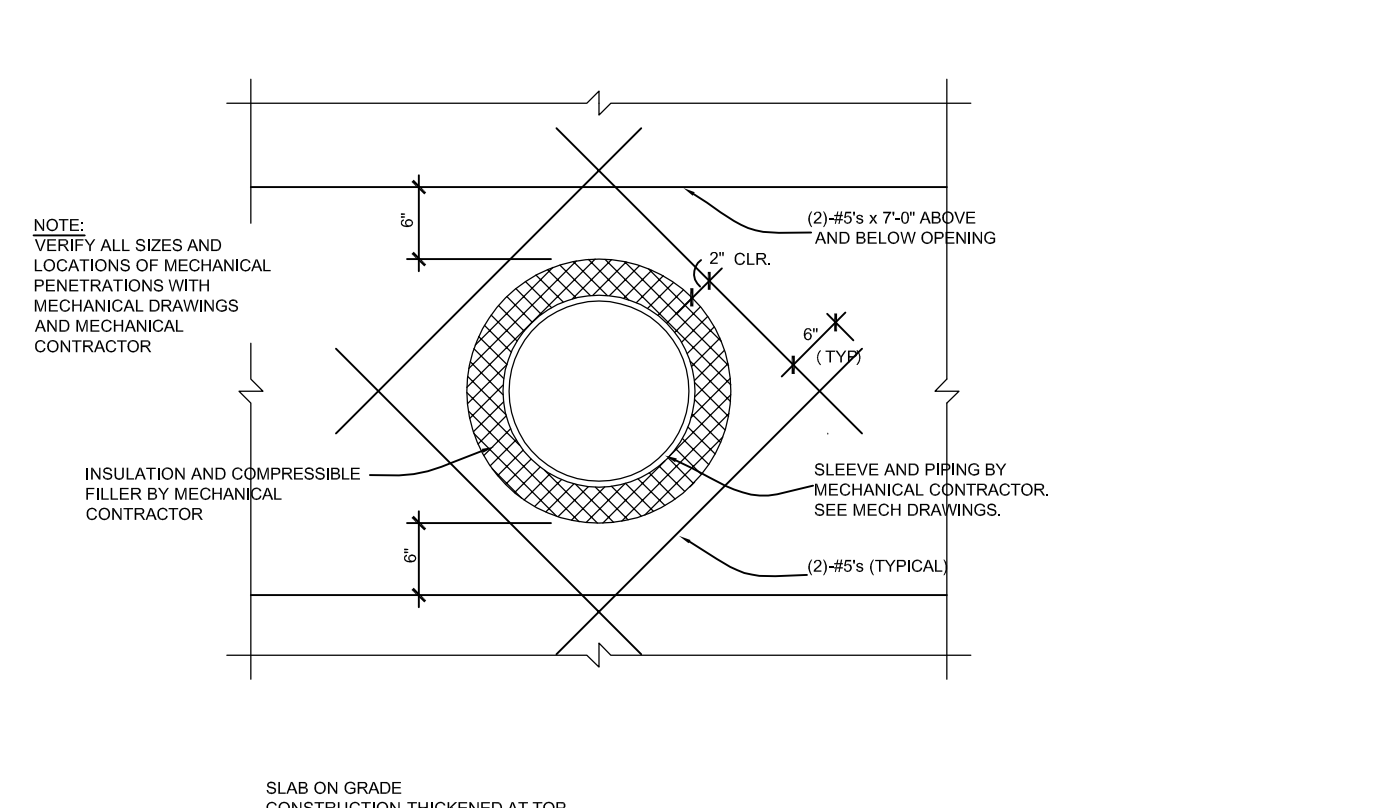
## TYPICAL REINFORCING NOTES

- Reinforcing bar development and lap splice length shall be as shown in table, unless noted otherwise.
- The lengths shown in the table are based on the following concrete coverage and reinforcing center to center (c.c.) spacing:  
beams or columns:  
cover greater than or equal to 1.0 bar  $\phi$   
c.c. spacing greater than or equal to 2.0 bar  $\phi$   
all others:  
cover greater than or equal to 1.0 bar  $\phi$   
c.c. spacing greater than or equal to 3.0 bar  $\phi$
- Top bars are defined as horizontal reinforcement such that more than 1/2" of fresh concrete is cast in the member before the development length or splice.
- Development length and splice length shown shall NOT apply if any one of the following conditions occur:  
a. f<sub>c</sub> < 3,000 psi  
b. f<sub>y</sub> < 60,000 psi  
c. the cover or c.c. spacing is not as listed above  
d. the reinforcing steel is epoxy coated  
e. light weight concrete is used
- Center to center spacing is defined as below:

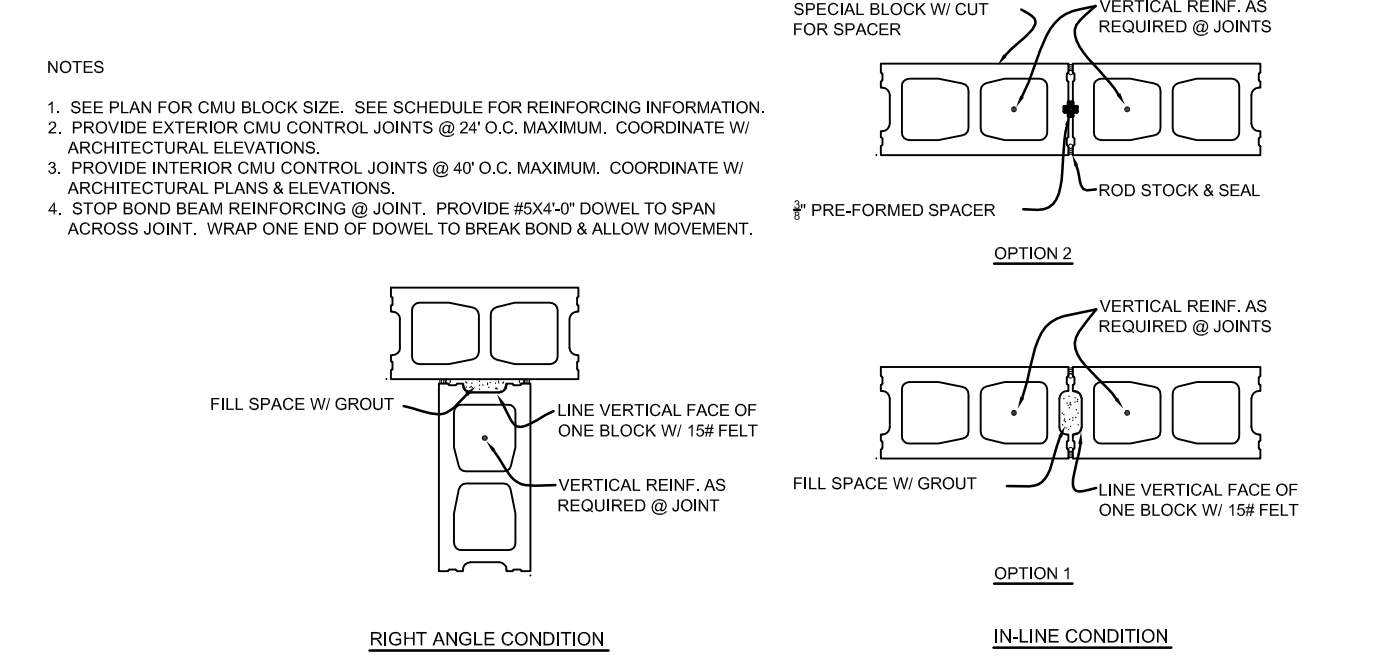


REINFORCING DEVELOPMENT AND SPLICES F <sub>c</sub> = 3,000 psi				
BAR SIZE	DEVELOPMENT LENGTH	SPlice LENGTH		
	OTHER	TOP	OTHER	TOP
#3	1'-0"	1'-10"	1'-10"	2'-4"
#4	1'-0"	2'-0"	2'-0"	3'-11"
#5	2'-4"	3'-0"	3'-0"	3'-11"
#6	2'-9"	3'-7"	3'-7"	4'-8"
#7	4'-0"	5'-3"	5'-3"	6'-8"
#8	4'-5"	6'-0"	6'-0"	7'-9"
#9	5'-2"	6'-8"	6'-8"	8'-8"
#10	5'-10"	7'-3"	7'-3"	9'-10"
#11	6'-5"	8'-4"	8'-4"	10'-10"

DEVELOPMENT LENGTH HOOKED BARS F <sub>c</sub> = 3,000 psi		
BAR SIZE	DEVELOPMENT LENGTH OR MINIMUM EMBEDMENT	
#3	9"	
#4	11"	
#5	1'-2"	
#6	1'-3"	
#7	1'-6"	
#8	1'-10"	
#9	2'-1"	
#10	2'-4"	
#11	2'-7"	



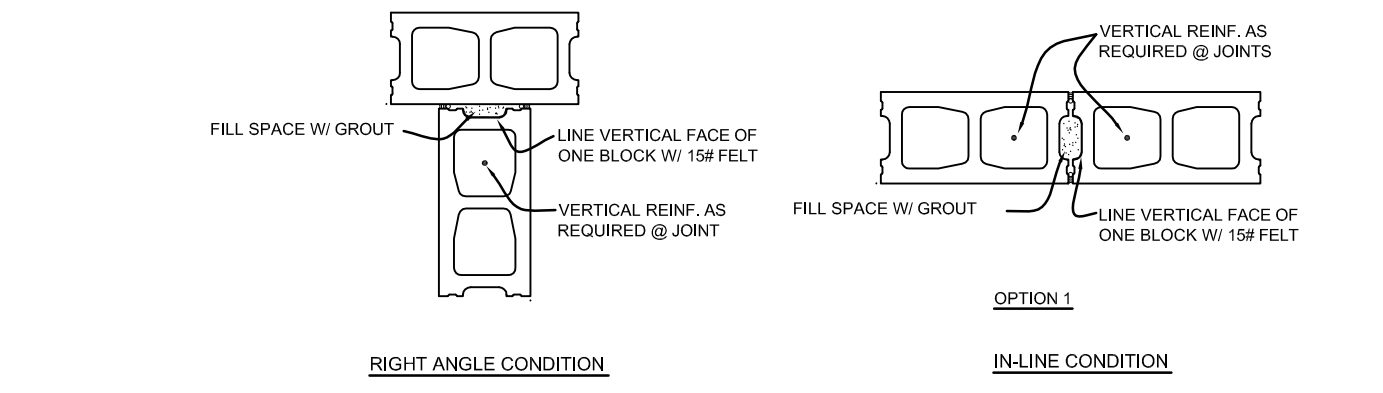
**5 Pipe Sleeve Detail**  
Scale: No Scale



**2 CMU Control Joint Detail**  
Scale: No Scale

## NOTES

- SEE PLAN FOR CMU BLOCK SIZE. SEE SCHEDULE FOR REINFORCING INFORMATION.
- PROVIDE EXTERIOR CMU CONTROL JOINTS @ 24' O.C. MAXIMUM. COORDINATE W/ ARCHITECTURAL ELEVATIONS.
- PROVIDE INTERIOR CMU CONTROL JOINTS @ 40' O.C. MAXIMUM. COORDINATE W/ ARCHITECTURAL PLANS & ELEVATIONS.
- STOP BOND BEAM REINFORCING @ JOINT. PROVIDE #5x4'-0" DOWEL TO SPAN ACROSS JOINT. WRAP ONE END OF DOWEL TO BREAK BOND & ALLOW MOVEMENT.



**4 Snow Drift & Wind Uplift Detail**  
Scale: No Scale

REVISIONS  
DATE  
NO.

This document was originally signed and sealed by:

This document is to be considered a sealed document.

**Architects**

CC ARCHITECTS, STREET NORTH PLATTE, NE 69101

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**TITLE NOTES AND DETAILS**

PROJECT: First National Bank  
Branch Office At Francis & Dewey

North Platte, Nebraska 69101

PROJECT NUMBER: 11-0162

DRAWN BY: swa

CHECKED BY: jkl

DATE: 4-12-2013

SHEET NUMBER: S501

REVISION NUMBER:

