



**DANE COUNTY DEPT. OF  
PUBLIC WORKS, HIGHWAY &  
TRANSPORTATION**

1919 Alliant Energy Center Way  
Madison, Wisconsin 53713  
Office: 608/266-4018 ♦ Fax: 608/267-1533  
Public Works Engineering Division  
Public Works Solid Waste Division

# ADDENDUM 1

NOVEMBER 21, 2018

**ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS**

**RFB NO. 318008 (REBID) - ADDENDUM NO. 1**

**ALBION SALT STORAGE BUILDING**

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**BIDS DUE:** TUESDAY, DECEMBER 4, 2018, 2:00 PM. DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

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This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB.

**PLEASE MAKE THE FOLLOWING CHANGES:**

- 1. Table of Contents**  
Delete current Table of Contents and replace with new Table of Contents included with this addendum
- 2. Bid Form**  
Delete current Bid Form; replace with new Bid Form issued with this Addendum.
- 3. Section 32 11 23**  
Add Specification Section 32 11 23 Dense Graded Base to the bid documents.
- 4. Section 32 12 16**  
Add Specification Section 32 12 16 Asphalt Paving to the bid documents.
- 5. Sheet 1.0 - Title Sheet**  
Modify current Sheet 1.0 - Title Sheet as follows: in the Sheet Index, below "A501 Details and Schedules", insert the following:  
    "E201 - Electrical Lighting and Power Plan  
    E501 - Electrical Details and Schedules  
    M201 - Salt Shed Mech Plan"
- 6. Sheet E201 - Electrical Lighting and Power Plan**  
Add new Sheet E201 - Electrical Lighting and Power Plan issued with this Addendum.
- 7. Sheet E501 - Electrical Details and Schedules**  
Add new Sheet E501 - Electrical Details and Schedules issued with this Addendum.
- 8. Sheet M201 - Salt Shed Mech Plan**  
Add new Sheet E501 - Salt Shed Mech Plan issued with this Addendum.

**9. Sheet 1.0 - Title Sheet – Sheet S902 Structural Details**

Replace original drawing set with new drawing set which corrects formatting errors.

If any additional information about this Addendum is needed, please call Ryan Shore at 608/266-4475, shore@countyofdane.com.

Sincerely,

*Ryan Shore*

Project Manager

Enclosures:

Addendum No. 1 Table of Contents  
Addendum No. 1 Bid Form  
Section 32 11 23 – Dense Graded Base  
Section 32 12 16 – Asphalt Paving  
Sheet E201  
Sheet E501  
Sheet M201  
Sheet 1.0 - Sheet S902

## **TABLE OF CONTENTS FOR RFB NO. 318008 (REBID)**

### **DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS**

Project Manual Cover Page  
Table of Contents  
Advertisement for Bids (Legal Notice)  
Best Value Contracting Application  
Instructions to Bidders  
Bid Form  
Fair Labor Practices Certification  
Sample Public Works Construction Contract  
Sample Bid Bond  
Sample Performance Bond  
Sample Payment Bond  
General Conditions of Contract  
Supplementary Conditions

### **DIVISION 01 - GENERAL REQUIREMENTS**

01 00 00 - Basic Requirements  
01 74 19 - Construction Waste Management, Disposal & Recycling

### **DIVISION 03 - CONCRETE**

03 30 00 - Cast-In-Place Concrete

### **DIVISION 06 - WOOD, PLASTICS AND COMPOSITES**

06 10 00 - Rough Carpentry  
06 17 53 - Fabricated Wood Trusses (Salt Structure)

### **DIVISION 07 - THERMAL AND MOISTURE PROTECTION**

07 31 00 - Shingles  
07 46 33 - Vinyl Siding  
07 46 46 - Fiber Cement Siding  
07 60 00 - Flashing and Sheet Metal  
07 92 13 - Sealants and Caulking

### **DIVISION 08 - OPENINGS**

08 11 00 - Metal Doors and Frames  
08 30 00 - Special Doors  
08 71 00 - Hardware

### **DIVISION 09 - FINISHES**

09 91 00 - Painting

### **DIVISION 32 - EXTERIOR IMPROVEMENTS**

32 11 23 - Dense Graded Base  
32 12 16 - Asphalt Paving

### **DRAWINGS**

Plot drawings on 24" x 36" (ARCH D) paper for correct scale or size.

1.0 - Title Sheet  
C-1 - Site Civil  
A101 - Site Plan  
A201 - Floor Plans  
A202 - Exterior Elevations  
A301 - Building Sections  
A401 - Wall Sections

A402 - Wall Sections  
A501 - Details and Schedules  
E201 - Electrical Lighting and Power Plan  
E501 - Electrical Details and Schedules  
M201 - Salt Shed Mech Plan  
S901 - Structural Plans and Details  
S902 - Structural Details

Name of Bidding Firm: \_\_\_\_\_

**BID FORM**

**BID NO. 318008 (REBID)**

**PROJECT: ALBION SALT STORAGE BUILDING  
1015 COUNTY HIGHWAY A**

**TO: DANE COUNTY DEPARTMENT OF PUBLIC WORKS, HIGHWAY &  
TRANSPORTATION PROJECT MANAGER  
1919 ALLIANT ENERGY CENTER WAY  
MADISON, WISCONSIN 53713**

**NOTE: WISCONSIN STATUTE 77.54 (9M) ALLOWS FOR NO SALES & USE TAX ON  
THE PURCHASE OF MATERIALS FOR COUNTY PUBLIC WORKS PROJECTS.**

**BASE BID - LUMP SUM:**

Dane County is inviting Bids for construction services for a new 10,000 ton salt storage building in the Town of Albion. The undersigned, having examined the site where the Work is to be executed and having become familiar with local conditions affecting the cost of the Work and having carefully examined the Drawings and Specifications, all other Construction Documents and Addenda thereto prepared by Dane County Department of Public Works, Highway & Transportation hereby agrees to provide all labor, materials, equipment and services necessary for the complete and satisfactory execution of the entire Work, as specified in the Construction Documents, for the Base Bid stipulated sum of:

\_\_\_\_\_ and \_\_\_\_\_ /100 Dollars  
Written Price

\$ \_\_\_\_\_  
Numeric Price

**ALTERNATE BID 1 - LUMP SUM:**

Provide lump sum price for an 8,000 ton salt storage building.

\_\_\_\_\_ and \_\_\_\_\_ /100 Dollars  
Written Price

\$ \_\_\_\_\_  
Numeric Price

Receipt of the following addenda and inclusion of their provisions in this Bid is hereby acknowledged:

Addendum No(s). \_\_\_\_\_ through \_\_\_\_\_

Dated \_\_\_\_\_

Dane County Department of Public Works, Highway & Transportation must have the project completed by September 15, 2019. Assuming this Work can be started by April 1, 2019, what dates can you commence and complete this job?

Commencement Date: \_\_\_\_\_ Completion Date: \_\_\_\_\_  
(final, not substantial)

I hereby certify that all statements herein are made on behalf of:

\_\_\_\_\_  
(Name of Corporation, Partnership or Person submitting Bid)

Select one of the following:

1. A corporation organized and existing under the laws of the State of \_\_\_\_\_, or

2. A partnership consisting of \_\_\_\_\_, or

3. A person conducting business as \_\_\_\_\_;

Of the City, Village, or Town of \_\_\_\_\_ of the State of \_\_\_\_\_.

I have examined and carefully prepared this Bid from the associated Construction Documents and have checked the same in detail before submitting this Bid; that I have full authority to make such statements and submit this Bid in (its) (their) (my) behalf; and that the said statements are true and correct. In signing this Bid, we also certify that we have not, either directly or indirectly, entered into any agreement or participated in any collusion or otherwise taken any action in restraint of free competition; that no attempt has been made to induce any other person or firm to submit or not to submit a Bid; that this Bid has been independently arrived at without collusion with any other bidder, competitor, or potential competitor; that this Bid has not been knowingly disclosed prior to the Bids Due Date to another bidder or competitor; that the above statement is accurate under penalty of perjury.

The undersigned further agrees to honor the Base Bid and the Alternate Bid(s) for sixty (60) calendar days from date of Award of Contract.

**SIGNATURE:** \_\_\_\_\_  
(Bid is invalid without signature)

Print Name: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

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

Telephone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_

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

Contact Person: \_\_\_\_\_

**THIS PAGE IS FOR BIDDERS' REFERENCE AND NEED NOT BE SUBMITTED WITH BID FORM.**

**BID CHECK LIST:**

These items **must** be included with Bid:

Bid Form

Bid Bond

Fair Labor Practices Certification

**BIDDERS SHOULD BE AWARE OF THE FOLLOWING:**

**DANE COUNTY VENDOR REGISTRATION PROGRAM**

All bidders are strongly encouraged to be a registered vendor with Dane County. Registering allows vendors an opportunity to receive notifications for RFBs & RFPs issued by the County and provides the County with up-to-date company contact information. Complete a new form or renewal online at:

[danepurchasing.com/Account/Login?](http://danepurchasing.com/Account/Login?)

**DANE COUNTY BEST VALUE CONTRACTING PRE-QUALIFICATION**

Contractors must be pre-qualified as a Best Value Contractor with the Dane County Public Works Engineering Division before the award of contract. Obtain a *Best Value Contracting Application* by calling 608/266-4018 or complete one online at:  
[countyofdane.com/pwht/BVC\\_Application.aspx](http://countyofdane.com/pwht/BVC_Application.aspx)

## SECTION 32 11 23

### DENSE GRADED BASE

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Scope
- B. Related Work
- C. Reference Standards
- D. Submittals

##### 1.2 SCOPE

- A. The work under this section consists of constructing a dense graded base using crushed stone or crushed gravel. The Contractor may also use crushed concrete, reclaimed asphaltic pavement, reprocessed material, or blended material. The work under this section shall provide a surface ready for constructing and supporting the Concrete or Asphalt Pavement.

##### 1.3 RELATED WORK

- A. Applicable provisions of General Conditions of Contract and Division 01 shall govern work under this Section.
- B. Related work specified elsewhere:
  - 1. Section 32 12 16 – Asphalt Paving

##### 1.4 REFERENCE STANDARDS

- A. American Society for Testing and Materials (ASTM):
  - 1. D1557 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort
  - 2. D6938 Standard Test Method for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods
  - 3. E329 Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection

##### 1.5 SUBMITTALS

- A. Provide aggregate quality and source verification testing reports for all aggregate materials used on the project. All aggregates shall meet the requirements outlined in WisDOT Standard Specifications Section 301 and 305.



## PART 2 PRODUCTS

### 2.1 SECTION INCLUDES

- A. Dense Graded Base

### 2.2 DENSE GRADED BASE

- A. Use dense graded base 1-1/4 inch. Provide aggregate conforming to WisDOT Standard Specifications Section 301.2 for crushed stone, crushed gravel, crushed concrete, reclaimed asphaltic pavement, reprocessed material or blended material. Material gradations shall conform to WisDOT Standard Specifications Section 305.2. unless specified elsewhere in the contract documents.

## PART 3 EXECUTION

### 3.1 SECTION INCLUDES

- A. Construction
- B. Compaction
- C. Cleanup

### 3.2 CONSTRUCTION

- A. Placing Dense Graded Base Aggregate:
  - 1. Construct Dense Graded Base as specified in WisDOT Standard Specifications Section 305.3. Compact each base layer, including shoulder foreslopes, with equipment specified in WisDOT Standard Specifications Section 301.3.
  - 2. Use standard compaction conforming to WisDOT Standard Specifications Section 301.3, unless otherwise specified herein. Final shaping of shoulder foreslopes does not require compaction.
  - 3. Construct the base to the width and section the drawings show. Shape, and compact the base surface to within 0.04 feet of the drawing elevation.
  - 4. Ensure there is adequate moisture in the aggregate during placing, shaping, and compacting to prevent segregation and achieve adequate compaction. Moisture condition dense graded base as necessary to achieve required density as determined by ASTM D1557.
  - 5. Excavation shall be reasonably free of water prior to placement of dense graded base. Do not place dense graded base on frozen surfaces or use frozen material.
  - 6. Maintain the base until paving over it, or until the Dane County Project Representative accepts the work, if paving is not part of the contract.

### 3.3 COMPACTION

- A. Compacting Dense Graded Base Aggregate:
  - 1. If using a pneumatic roller, do not exceed a compacted thickness of 6 inches per layer. For the first layer placed over a loose sandy subgrade, the Contractor may, with A/E

- approval, increase the compacted layer thickness to 8 inches. If using a vibratory roller, do not exceed a compacted thickness of 8 inches per layer.
2. The material shall be compacted to meet the following:
    - a. Test method to determine max. density & moisture     ASTM D1557
    - b. Relative compaction relative to the optimum           95%
    - c. Moisture content relative to the optimum           -2% to +2%
  3. The compacted material shall be tested for in-place field density in accordance with this Section, Part I, Quality Assurance.

### 3.4 CLEANUP

- A. After the project is completed, thoroughly clean up all debris which may have accumulated during the placement of dense graded base and breaker run, if placed. All storm sewer manholes, inlets, and trench drains within the project area shall be inspected in the presence of the Dane County Project Representation, the Owner Agency, and the A/E to confirm there is no accumulated debris. The Contractor shall ensure the manholes, inlets, and trench drains are free of water and debris prior to inspection by the parties noted above. Any accumulated debris in the manholes, inlets, and trench drains shall be removed and properly disposed of by the Contractor.
- B. Replace or repair as required, all surfaces and/or landscape features damaged or disturbed under this item of work.

END OF SECTION

## SECTION 32 12 16

### ASPHALT PAVING

#### PART 1 GENERAL

##### 1.1 SUMMARY

- A. Section Includes:
  - 1. Asphalt materials.
  - 2. Aggregate materials.
  - 3. Pavement-marking paint.
- B. Related Sections:
  - 1. Section 01 00 00 - Basic Requirements
  - 2. Section 01 74 19 - Recycling
  - 3. Section 32 11 23 – Dense Graded Base

##### 1.2 MEASUREMENT AND PAYMENT

- A. Basis of Payment. HMA Pavement mixture of this type or types, accepted as stated above, shall be measured by square yard of mixed aggregate and asphaltic material laid and compacted in place and shall include all work necessary to provide quality management programs in accordance with Section 460 of State of Wisconsin, Department of Transportation Standard Specifications for Highway and Structure standard: Sections: 455.0105 Asphaltic material PG58-28 and 460.1101 HMA Pavement Type E-1 for Heavy Duty Pavement & E-0.3 for Light Duty Pavement.
- B. Method of Payment. Payment will be made only for supplied material accompanied by ticket containing this information:
  - 1. Ticket number, date, and time
  - 2. Type of material
  - 3. Gross and net weights
- C. Copy of tickets will be given to County inspector on job site.

##### 1.3 REFERENCES

- A. State of Wisconsin, Department of Transportation Standard Specifications for Highway and Structure standard.

##### 1.4 SUBMITTALS

- A. Product Data:
  - 1. Submit product information for asphalt and aggregate materials.
  - 2. Submit mix design with laboratory test results supporting design.
- B. Manufacturer's Certificate: Certify Products meet or exceed specified requirements.

## 1.5 QUALITY ASSURANCE

- A. Mixing Plant: Conform to State of Wisconsin, Department of Transportation Highway and Structure standard.
- B. Perform Work in accordance with State of Wisconsin, Department of Transportation Standard Specifications for Highway and Structure standard.

## 1.6 QUALIFICATIONS

- A. Installer: Company specializing in performing work of this section with minimum three (3) years experience.

## 1.7 PROJECT CONDITIONS

- A. Environmental Limitations: Do not apply asphalt materials if subgrade is wet or excessively damp, if rain is imminent or expected before time required for adequate cure, or if these conditions are not met:
  - 1. Tack Coat: Minimum surface temperature of 60 degrees F (15.6 degrees C).
  - 2. Asphalt Base Course: Minimum surface temperature of 40 degrees F (4.4 degrees C) and rising at time of placement.
  - 3. Asphalt Surface Course: Minimum surface temperature of 60 degrees F (15.6 degrees C) at time of placement.
- B. Pavement-Marking Paint: Proceed with pavement marking only on clean, dry surfaces and at minimum ambient or surface temperature of 40 degrees F (4.4 degrees C) for oil-based materials or 55 degrees F (12.8 degrees C) for water-based materials, and not exceeding 95 degrees F (35 degrees C).

## PART 2 PRODUCTS

### 2.1 HMA PAVEMENT - TYPE E-1 & TYPE E-0.3

Description: Materials covered under this provision shall conform to State of Wisconsin, Department of Transportation's specifications for each "Type" mix. The asphaltic pavement shall be 6" inside the salt storage building, installed in a 4" binder lift and a 2" surface layer. The asphaltic pavement shall be 5" outside the salt storage building, installed in a 3" binder lift and a 2" surface layer. The said pavement mix shall be 3 MT 58-28S in the binder layer and 4 MT 58-28 H in the surface layer in conformance with WisDOT Standard Spec Section 460. The binder lift nominal maximum gradation shall be 19.0 millimeters. The surface lift nominal maximum gradation shall be 12.5 millimeters. All surface pavement lateral pavement seams shall be offset a minimum of 6" from binder pavement lateral seams and be compacted with a hot roller. Trucks transporting the asphaltic material shall be covered with a tarp at all times until paving operations begin for that load. The material shall have a temperature of 270°F -300°F at time of paving and loads of asphalt that are less than 250°F or more than 350°F shall be rejected.

- A. Contractor will be responsible for providing mix design(s) and for testing required to insure uniformity of mix and adequacy of compaction. Mix design must be submitted to

County for approval within 30 days after execution of contract. In no case will paving be allowed to begin until County is in receipt of said mix design(s).

- B. Mix designs must be prepared by approved materials engineering consultant. Designs from previous years will not be allowed unless certification is included as to proposed aggregate and asphalt source, quality and consistency being equal to previous years. Separate mix design must be submitted for both upper and lower courses, if both are required. Separate mix designs shall be provided for each different source of aggregate.
- C. Unless otherwise specified by County, asphalt cement shall be PG 58-28 for each "Type" of pavement specified.

## 2.2 ASPHALT MATERIALS

- A. Asphalt Binder and Surface Course shall be in accordance with State of Wisconsin, Department of Transportation Standard Specifications for Highway and Structure standard:

## 2.3 AGGREGATE MATERIALS

- A. All Aggregate shall be in accordance with State of Wisconsin, Department of Transportation Standard Specifications for Highway and Structure standard.

## 2.4 AUXILIARY MATERIALS

- A. Pavement-Marking Paint: MPI #97 Latex Traffic Marking Paint.
- B. Color: Yellow Conventional, 4 inch width.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verify existing conditions before starting work.

### 3.2 PAVEMENT MARKING

- A. Do not apply pavement-marking paint until layout, colors, and placement have been verified with Owner.
- B. Allow paving to age for 24 hours minimum before starting pavement marking.
- C. Sweep and clean surface to eliminate loose material and dust.
- D. Apply paint with mechanical equipment to produce pavement markings, of dimensions indicated, with uniform, straight edges. Apply at manufacturer's recommended rates to provide minimum wet film thickness of 15 mils (0.4 mm).

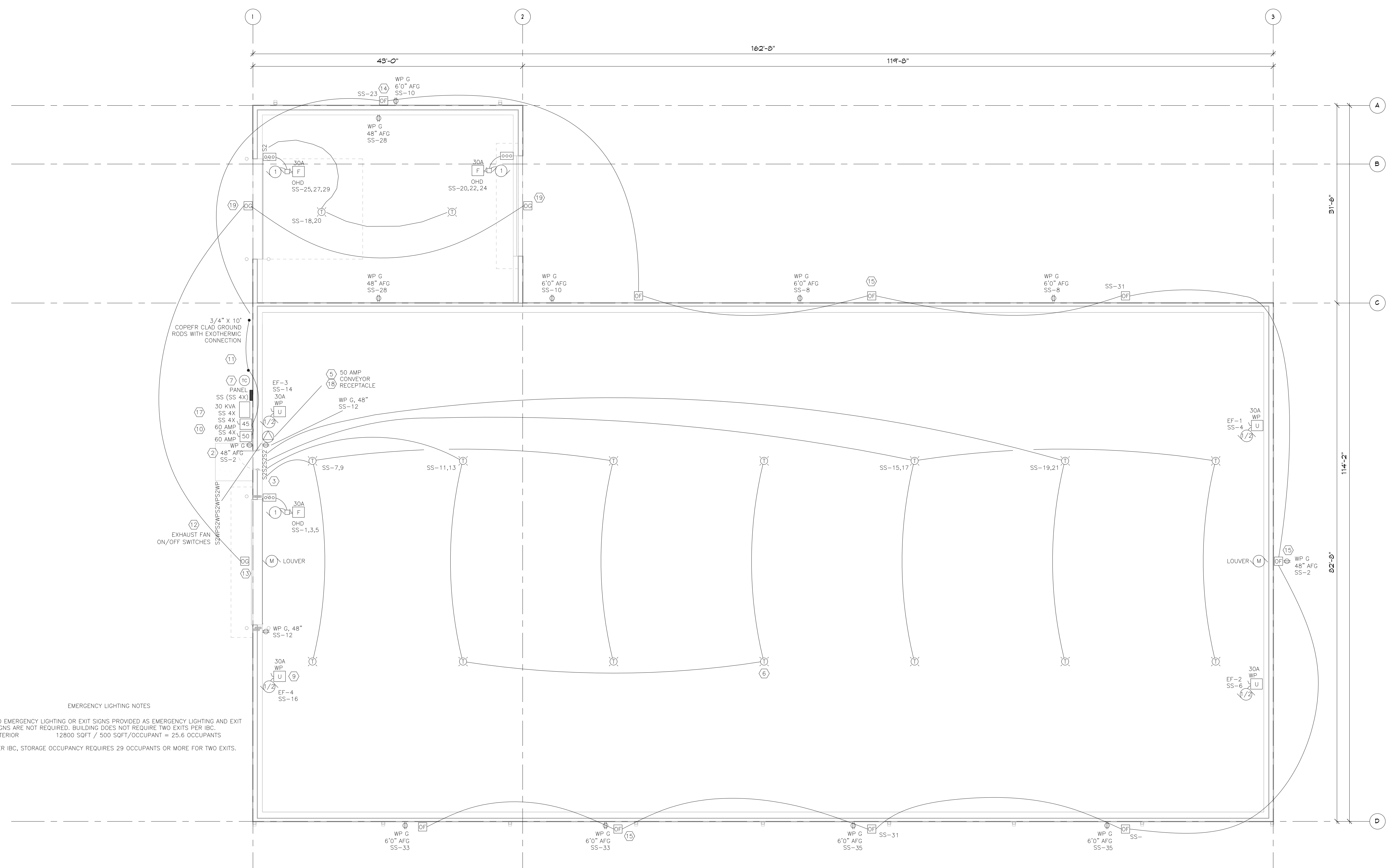
3.3 FIELD QUALITY CONTROL

- A. Asphalt Paving Thickness: ASTM D3549; test one core sample from every 1000 square yards (836 square m) compacted paving.

3.4 PROTECTION OF FINISHED WORK

- A. Immediately after placement, protect paving from mechanical injury for 48 hours or until surface temperature is less than 140 degrees F (60 degrees C).

END OF SECTION



**EMERGENCY LIGHTING NOTES**  
 NO EMERGENCY LIGHTING OR EXIT SIGNS PROVIDED AS EMERGENCY LIGHTING AND EXIT SIGNS ARE NOT REQUIRED. BUILDING DOES NOT REQUIRE TWO EXITS PER IBC. INTERIOR 12800 SQFT / 500 SQFT/OCCUPANT = 25.6 OCCUPANTS PER IBC. STORAGE OCCUPANCY REQUIRES 29 OCCUPANTS OR MORE FOR TWO EXITS.

PANEL SS - SALT SHED

NO.	DESCRIPTION	BKR	KW	PHASE	KW	BKR	DESCRIPTION	NO.
1	OVERHEAD DOOR	15/3	1.73	A	.36	20/1	WEST, EAST EXTERIOR RECEPTACLES	2
3	OVERHEAD DOOR	15/3	1.73	B	1.18	20/1	NORTHEAST EXHAUST FAN EF-1	4
5	WEST INTERIOR LIGHTS	20/2	1.91	A	1.18	20/1	SOUTHEAST EXHAUST FAN EF-2	6
7	WEST INTERIOR LIGHTS	20/2	1.91	B	.36	20/1	NORTHEAST EXTERIOR RECEPTACLES	8
9	WEST INTERIOR LIGHTS	20/2	1.91	C	.36	20/1	NORTHWEST EXTERIOR RECEPTACLES	10
11	WEST INTERIOR LIGHTS	20/2	1.91	A	1.18	20/1	WEST RECEPTACLES	12
13	EAST INTERIOR LIGHTS	20/2	1.91	B	1.18	20/1	NORTHWEST EXHAUST FAN EF-3	14
15	EAST INTERIOR LIGHTS	20/2	1.91	C	.96	20/2	SOUTHWEST EXHAUST FAN EF-4	16
17	EAST INTERIOR LIGHTS	20/2	.96	A	.96	20/2	LOADER SHED INTERIOR LIGHTS	18
19	EAST INTERIOR LIGHTS	20/2	.96	B				20
21	EXTERIOR LIGHTS, TIME CLOCK	20/1	.32	C	1.73	15/3	OVERHEAD DOOR	22
23	EXTERIOR LIGHTS, TIME CLOCK	20/1	.32	A				24
25	OVERHEAD DOOR	15/3	1.73	B	.36	20/1	LOADER SHED RECEPTACLES	26
27	OVERHEAD DOOR	15/3	1.73	C				28
29	EXTERIOR OVERHEAD DOOR LIGHTS	20/1	.35	A				30
31	EXTERIOR OVERHEAD DOOR LIGHTS	20/1	.35	B				32
33	SOUTHWEST EXTERIOR RECEPTACLES	20/1	.36	C				34
35	SOUTHWEST EXTERIOR RECEPTACLES	20/1	.36	A				36
37	SPARE	20/1		B				38
39	SPARE	20/1		C				40
41	SPARE	20/1		A				42

MAIN CIRCUIT BREAKER 22 KAIR MINIMUM  
 BRANCH CIRCUIT BREAKERS 10 KAIR MINIMUM

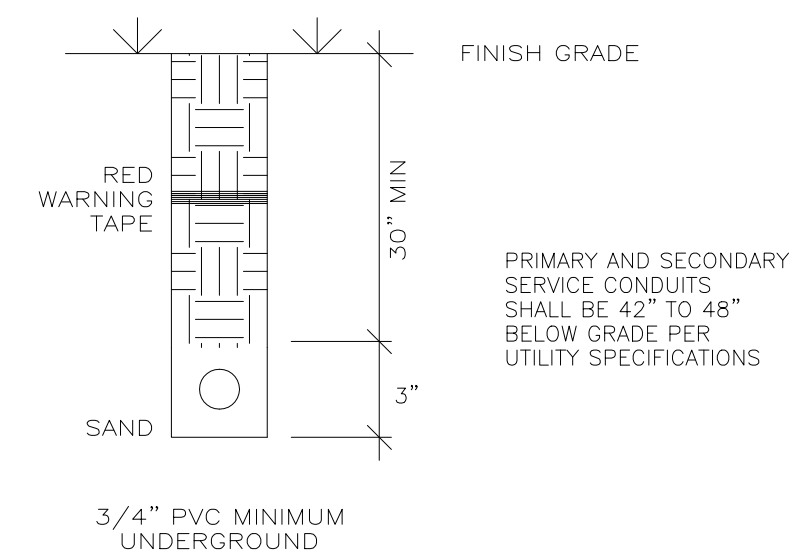
SHEET NOTES

- GENERAL NOTE: CNG VEHICLES MAY BE USED IN THE SALT SHED IN THE FUTURE. KEEP ALL WIRING BELOW THE TOP 18" OF CEILING SPACE. ANY ELECTRICAL WORK WITHIN 18" OF THE CEILING SHALL BE CLASS 1, DIVISION 2.
- TYPICAL: RECEPTACLES SHALL BE WEATHERPROOF GFCI RECEPTACLE IN A CAST ALUMINUM FS BOX WITH CAST ALUMINUM IN-USE COVER (RED DOT CKMGV OR EQUAL).
- LIGHT SWITCHES SHALL BE IN CAST ALUMINUM FS BOXES WITH WEATHERPROOF CAST ALUMINUM SWITCH COVER (RED DOT CCT OR EQUAL).
- GENERAL NOTE: ALL ABOVE GRADE EXTERIOR CONDUIT SHALL BE GALVANIZED RIGID STEEL. PVC CONDUIT MAY BE USED BELOW GRADE PER LOCAL CODE. PVC CONDUIT MAY BE USED INSIDE THE SALT DOME WHERE IT IS NOT SUBJECT TO DAMAGE AND IS ALLOWED BY LOCAL CODE. PROVIDE PROTECTION OR USE GALVANIZED RIGID CONDUIT.
- PROVIDE HUBBELL RECEPTACLE #CS8169, 50A, 480V, 3 PH, 4 W IN FD BOX WITH HUBBELL #7770 COVER FOR CONVEYOR.
- TYPICAL: MOUNT TYPE T LIGHTS FROM JOISTS. USE STAINLESS STEEL HARDWARE AND STAINLESS STEEL SAFETY CHAIN OR CABLE. PROVIDE WOOD BLOCKING AS REQUIRED.
- PROVIDE INTERMATIC ET801SC, 7 DAY, 30 AMP SPST CONTACT, ASTRONOMICAL TIME CLOCK WITH BATTERY BACK UP, PROGRAM RELAY CONTACT FOR DUSK TO DAWN OPERATION OF SALT SHED EXTERIOR LIGHTING. MOUNT INSIDE A STAINLESS STEEL ENCLOSURE.
- GENERAL NOTE: PANELS SHALL HAVE STAINLESS STEEL NEMA 4X ENCLOSURES OR BE MOUNTED INSIDE STAINLESS STEEL NEMA 4X ENCLOSURES.
- TYPICAL: VERIFY EXHAUST FAN LOCATION AND HEIGHT ON SALT SHED DRAWINGS. EXHAUST FAN PROVIDED WITH DISCONNECT BY HVAC CONTRACTOR.
- PROVIDE PVC SLEEVES THRU CONCRETE WALL FOR CONDUITS ENTERING SALT SHED. CONDUITS TO ENTER THE SALT SHED AT LEAST 7"6" AFG. CAULK AS REQUIRED.
- GROUND MAIN DISCONNECTS AND TRANSFORMER TO CODE. CONNECT GROUND CONDUCTOR TO GROUND RODS, REBAR AND ANY BUILDING STEEL WITH EXOTHERMIC CONNECTION. PROVIDE CONNECTION TO WATER PIPE IF PRESENT.
- PROVIDE TWO POLE 20 AMP LIGHT SWITCHES IN SINGLE OR DOUBLE GANG CAST ALUMINUM FS BOXES WITH WEATHERPROOF CAST ALUMINUM SWITCH COVER (RED DOT CCT OR EQUAL) AS ON/OFF SWITCHES FOR EXHAUST FANS. HVAC CONTRACTOR TO WIRE LOW VOLTAGE THRU ONE SET OF CONTACTS TO TURN ON LOW VOLTAGE LOUVER DAMPERS (TURNING ON EF-1 AND/OR EF-2 SHALL TURN ON THE EAST DAMPER. TURNING ON EF-3 AND/OR EF-4 SHALL TURN ON THE WEST DAMPER). PROVIDE SEPARATE CONDUIT FROM BOXES UP TO BOX AT CEILING AREA FOR LOW VOLTAGE LOUVER DAMPER CONTROL.
- MOUNT LIGHT APPROXIMATELY 30' AFG.
- MOUNT NORTH TYPE OF LIGHTS CENTERED APPROXIMATELY 17' AFG.
- MOUNT TYPE OF LIGHT APPROXIMATELY 17' AFG.
- GENERAL NOTE: ALL SALT SHED LIGHT SWITCHES AND RECEPTACLES SHALL BE 20 AMP INDUSTRIAL GRADE UNLESS NOTED OTHERWISE.
- GENERAL CONTRACTOR TO PROVIDE BOLLARDS OR GUARD RAIL IN FRONT OF ELECTRICAL EQUIPMENT. MAINTAIN 3" 6" WORKING SPACE CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT.
- GENERAL CONTRACTOR TO PROVIDE BOLLARDS IN FRONT OF CONVEYOR PLUG.
- MOUNT LIGHT APPROXIMATELY 19' AFG.

- S SINGLE POLE SWITCH-TOP OF BOX 48" AFF
- S2 TWO POLE SWITCH-TOP OF BOX 48" AFF
- S3 THREE WAY SWITCH-TOP OF BOX 48" AFF
- SD DIMMER SWITCH-TOP OF BOX 48" AFF
- SL LIGHTED SWITCH - LIGHT ON W/LOAD-TOP 48" AFF
- SL3 LIGHTED THREE WAY SWITCH - LIGHT ON W/LOAD TOP OF BOX 48" AFF
- ST COMMERCIAL 30 MINUTE ELECTRONIC TIMER SWITCH INTERMATIC E1205 SERIES OR EQUAL
- SWT COMMERCIAL 2 HOUR SPRING WOUND TIMER SWITCH INTERMATIC ED2H SERIES OR EQUAL
- Φ DUPLEX RECEPTACLE OFFICE NEMA 5-15R, 18" AFF UNLESS NOTED OTHERWISE ALL OTHER AREAS NEMA 5-20R, TOP OF BOX 48" AFF SHOP
- C COUNTER MOUNT 6" ABOVE COUNTER BACKSPLASH
- B BELOW COUNTER
- G GFCI
- WP G WEATHERPROOF GFCI WITH CAST ALUMINUM IN-USE COVER
- TV 1" BELOW CEILING
- Φ FLOOR DUPLEX RECEPTACLE NEMA 5-15R
- Φ 208V, 1 PHASE RECEPTACLE 18" AFF OFFICE, TOP OF BOX 48" AFF SHOP
- Φ TWO DUPLEX RECEPTACLES NEMA 5-20R TOP OF BOX 48" AFF-SHOP, VENDING
- Ⓢ CORD DROP RECEPTACLE. PROVIDE SO CORD, GRIP, STRAIN RELIEF, BOX AND RECEPTACLE.
- Ⓢ QUAD CORD DROP RECEPTACLE. PROVIDE SO CORD, GRIP, STRAIN RELIEF, BOX AND RECEPTACLE.
- Ⓢ MANUAL MOTOR SWITCH PADLOCKABLE IN THE OFF POSITION
- Ⓢ 208V RECEPTACLE WITH FUSIBLE DISCONNECT-HEIGHT AS INDICATED
- Ⓢ 480V RECEPTACLE WITH FUSIBLE DISCONNECT-HEIGHT AS INDICATED
- EC ELECTRICAL CONTRACTOR
- MC MECHANICAL CONTRACTOR
- GC GENERAL CONTRACTOR
- WP WEATHER PROOF

**SYMBOLS**

- CSH MOTOR COMBINATION STARTER, FUSIBLE HAND-OFF-AUTO SEL. SW., PILOT LIGHT, STARTER SIZE AS INDICATED. ELECTRONIC OVERLOADS. TOP OF HANDLE NO MORE THAN 54" AFF.
- U 30 AMP UNFUSED DISCONNECT-TOP OF HANDLE NO MORE THAN 54" AFF.
- 50 AMP 60 AMP 60 AMP FUSED DISCONNECT WITH 50 AMP FUSES - TOP OF HANDLE NO MORE THAN 54" AFF.
- P POWER BOX
- D DATA BOX
- SC LOW VOLTAGE SPEED CONTROL SWITCH
- 60A F F INTERLOCKED DISCONNECT/RECEPTACLE
- CP CONTROL PANEL
- 1/2 1/2 HP MOTOR
- EWC ELECTRIC WATER COOLER
- VIF VERIFY IN FIELD
- EWH ELECTRIC WATER HEATER
- EBB ELECTRIC BASEBOARD HEATER
- RH RADIANT HEATERS
- UH UNIT HEATER
- FC FAN COIL
- MUA MAKE UP AIR UNIT
- P PUMP
- IG ISOLATED GROUND
- NL NIGHT LIGHT
- LC LIGHTING CONTACTOR
- P PHOTOCELL
- TC TIME CLOCK
- R RELAY
- AV HORN-STROBE-80" AFF
- A HORN-80" AFF
- V STROBE-80" AFF
- F WATER FLOW SWITCH
- T TAMPER SWITCH
- DD DUCT SMOKE DETECTOR
- RT REMOTE TEST STATION
- CO CO DETECTOR
- B SPRINKLER BELL-STROBE
- I INDIVIDUAL ADDRESSABLE MODULE
- RM INDIVIDUAL ADDRESSABLE RELAY MODULE
- PL POWER LOSS RELAY MODULE
- HO DOOR HOLD OPEN
- MR FIRE PUMP MOTOR RUNNING
- LP FIRE PUMP LOSS OF PHASE
- PR FIRE PUMP PHASE REVERSAL
- AS FIRE PUMP ALTERNATE SOURCE
- LT LOW TEMPERATURE
- WIL WATER LEVEL LOWERED
- WR WATER LEVEL RESTORED
- P LOW PRESSURE
- G GAS DETECTION HORN-STROBE PROVIDE BOX AND 1/2" EMT UP TO S. DIST AREA. MOUNT BOX AT 5' AFF.



**1 TYPICAL TRENCHING DETAIL**

LIGHT FIXTURE SCHEDULE											
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LAMP NO.	LAMP	BALLAST	AMPS	WATTS	MOUNT	NOTES
T	SALT SHED HID	LITHONIA	TX-400MP-A23-208-SCWA-CR-WL-STSS-SLR	208	1	400W PSMH	SCWA	2.3	450	PENDANT	5
T - ALT	SALT SHED HIGH BAY LED	LITHONIA	JHBL-24000LM-GL-WD-MVOLT(208V)-GZ10-40K-70CRI-DF-HA-DWH-CR	208	LED	LED, 4000K, 24,000 LUMENS	LED DIMMING DRIVER	.86	238	PENDANT	7,8
OF	SECURITY	LITHONIA	DSXW1-LED-20C-350-40K-T4M-120-SF-HS-DDBXD-BBW	120		4000K LED, 2,585 LUMENS	350mA LED DRIVER	.23	25	SURFACE	1,2,3,6
OG	SECURITY	LITHONIA	DSXW2-LED-30C-1000-40K-T4M-MVOLT-SF-HS-DDBXD	120/277		4000K LED, 8,611 LUMENS	1000mA LED DRIVER	1.01/1.44	109	SURFACE	1,2,3,4

- SCHEDULE NOTES**
- INCLUDE FUSE OPTION.
  - DARK BRONZE
  - INCLUDES HOUSE SIDE SHIELD OR BACK LIGHT CONTROL.
  - 120V AT SALT SHED, 277V AT MAIN BUILDING.
  - INCLUDE STAINLESS STEEL HARDWARE AND LENS RING, CORROSION RESISTANT FINISH, WET LOCATION LABEL, STAINLESS STEEL SAFETY CHAIN OR CABLE.
  - INCLUDE BACK BOX.
  - DIMMING OR BI-LEVEL DIMMING NOT NEEDED.
  - +149 DEGREE AMBIENT TEMPERATURE, CORROSION RESISTANT FINISH, DUAL FUSES, GLASS LENS, WHITE FINISH.

- GENERAL NOTES**
- UNLESS NOTED, EQUIVALENT FIXTURES FROM THE FOLLOWING MANUFACTURERS WILL BE ACCEPTED:  
GENLYTE THOMAS (DAY-BRITE, CAPRI, OMEGA, EMCO, McPHILBEN), HUBBELL LIGHTING (COLUMBIA, PRESQOLITE, SPALLDING, DUAL LITE), RUUD, CREE, LSI AND COOPER LIGHTING (METALUX, HALO, LUMARK, SURE-LITES). EQUIVALENT LIGHT FIXTURES WILL BE EQUAL OR BETTER THAN THE SPECIFIED FIXTURE. ANY LIGHT FIXTURE THAT IS NOT EQUAL WILL BE REJECTED.
  - FIXTURES SHALL BE LABELED WITH LAMP TYPE BY MANUFACTURER.



Sequence of Operation - Sidewall Exhaust fan (SEF-1,2,3,4) shall be controlled by a wall switch located at the entrance door of the salt shed

Salt shed louvers shall have motorized dampers that interlock with the operation of the exhaust fans. The louvers shall open when the exhaust fans are energized and close when the fans are off.

**SIDEWALL PROPELLER FANS** Manufacturers: Greenheck, Penn, ACME or approved equal. Constructed of steel with angle iron reinforcing and motor support frame, die formed propeller blades with a welded reinforcing gusset on the backside for added rigidity, belt or drive drive as scheduled gravity operated counter balanced backdraft damper with blade edge and jamb seals, damper operator, birdscreen, and screened inlet/fan guard. Unless a special coating is scheduled, paint fans with a prime coat after metal cleaning and surface preparation; apply a second coat of paint to all exterior surfaces.

Category IV flu vent connection, condensing positive pressure, for both horizontal and sidewall venting. The vent outlet shall be compatible with, and used only with, Schedule 40 PVC or CPVC vent material.

### LOUVERS

TAG	SERVES	FPM	PD *WG	CFM	HEIGHT	WIDTH	MODEL	MFG	NOTES
L-1	SALT BLDG	740 FPM	0.09 in-wg	8000 CFM	60"	48"	ESD-603	GREENHECK	1,2,3
L-2	SALT BLDG	740 FPM	0.09 in-wg	8000 CFM	60"	48"	ESD-603	GREENHECK	1,2,4

- NOTES:
1. PROVIDE STANDARD COLOR POWDER COAT FINISH SELECTED BY ARCHITECT
  2. PROVIDE DAMPER AND ACTUATOR FOR INTERLOCK WITH EXHAUST FAN
  3. PROVIDE 24V ACTUATOR AND INTERLOCK WITH OPERATION OF SEF-1&2
  4. PROVIDE 24V ACTUATOR AND INTERLOCK WITH OPERATION OF SEF-3&4

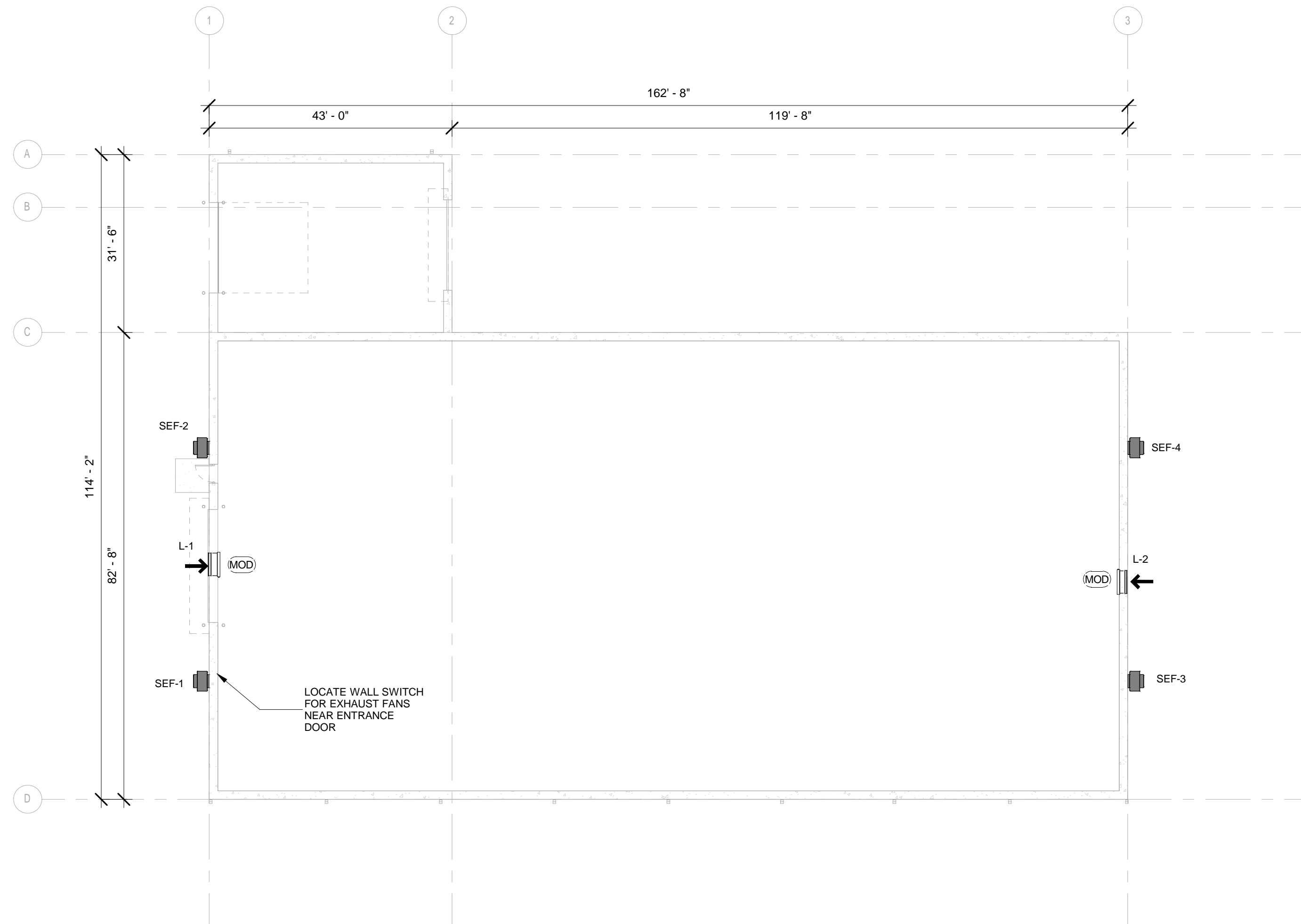
HVAC SYMBOLS AND ABBREVIATIONS

MOD MOTOR OPERATED DAMPER

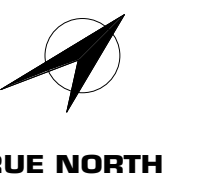
### SIDEWALL CENTRIFUGAL EXHAUST FAN SCHEDULE

TAG	SERVES	AIRFLOW	TSP	MOTOR			ELECTRICAL		WALL OPENING		MODEL	MFG	WEIGHT	NOTES
				HP	BHP	RPM	V	PH	HZ	HEIGHT				
SEF-1	SALT SHED	4000 CFM	0.25 in-wg	0.50 hp	0.45 hp	1725	115 V	1	60 Hz	1' - 6"	1' - 6"	CWB-240-5	GREENHECK	137.20 lb 1,2,3
SEF-2	SALT SHED	4000 CFM	0.25 in-wg	0.50 hp	0.45 hp	1725	115 V	1	60 Hz	1' - 6"	1' - 6"	CWB-240-5	GREENHECK	137.20 lb 1,2,3
SEF-3	SALT SHED	4000 CFM	0.25 in-wg	0.50 hp	0.45 hp	1725	115 V	1	60 Hz	1' - 6"	1' - 6"	CWB-240-5	GREENHECK	137.20 lb 1,2,3
SEF-4	SALT SHED	4000 CFM	0.25 in-wg	0.50 hp	0.45 hp	1725	115 V	1	60 Hz	1' - 6"	1' - 6"	CWB-240-5	GREENHECK	137.20 lb 1,2,3

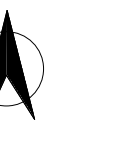
- NOTES:
1. PROVIDE SIDEWALL MOUNTING PLATE
  2. PROVIDE DISCONNECT
  3. PROVIDE BACKDRAFT DAMPER



**1 Mechanical Salt Shed Plan**  
1/16" = 1'-0"

















TRUE NORTH



PLAN NORTH  
SCALE: As indicated

**DRAWING LEGEND**

-  New or Required Point Elevation
-  Existing Point Elevation
-  Existing Contours
-  New or Required Contours
-  Grid Lines
-  Room 1  
Room Number
-  Door Number
-  Wall Tag
-  Detail Number  
Page Number
-  Building Section
-  Wall Section
-  Detail Section
-  Interior Elevation
-  Exterior Elevation

**CONSULTANTS**












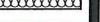
ARCHITECT **Kueny Architects, LLC** 10505 Corporate Drive, Suite 100  
 (262) 857-8101 Pleasant Prairie, Wisconsin 53158  
 Architect of Record - Jon Wallenkamp

**SITE MAP**

**GENERAL NOTES**

1. All concrete to test 4000 psi in 28 days.
2. Verify all dimensions, access, utilities and working conditions in the field.
3. Conform to all applicable codes, ordinances and safety standards.
4. Obtain and pay for all required permits and fees.
5. Notify Architect immediately if work cannot proceed as shown on Drawings or as described in the Specifications.
6. No concrete to be poured without Architect's prior review.
7. All Contractor's to co-operate with all trades, Owner's and Architect's representatives.
8. Leave site clean, neat and free of debris at all times.
9. Each Prime and Sub-contractor is responsible for having read each page of the Specifications, Drawings, Addenda and Change Orders.
10. Guard against interfering with Owner's operations.
11. These Drawings contain no provisions or procedures for on-site safety. Each Contractor and their employees are responsible to follow all laws and ordinances and provide their own engineering to provide a safe work place.
12. The locations of existing underground utilities, shown on these Drawings, are shown in an approximate way only and have not been independently verified by the Owner or its representatives. The Contractor shall determine the exact location of all existing utilities before commencing work, and agrees to be fully responsible for any and all damages which might be occasioned by the Contractor's failure to exactly locate and preserve any and all underground utilities.
13. Services perform for this project have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in this area under similar budget and time constraints. No warranty, expressed or implied, is made.

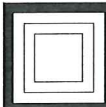
**MATERIAL INDICATIONS**

Earth Backfill		Sand Fill	
Rigid Insulation		Concrete	
Concrete Block		Finished Wood	
Aluminum		Stone Fill	
Lumber (Rough)		Plywood	
Steel		Batt Insulation	

**SHEET INDEX**

- 1.0 Title Sheet
- CIVIL
- C-1 Site Civil
- ARCHITECTURAL
- A101 Site Plan
- A201 Floor Plans
- A202 Exterior Elevations
- A301 Building Sections
- A401 Wall Sections
- A402 Wall Sections
- A501 Details and Schedules
- S901 Structural Plans and Details
- S902 Structural Details

**Salt Storage Shed**  
**RFB 318008 Dane County** Town of Albion, Wisconsin  
**53534**

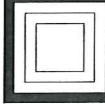


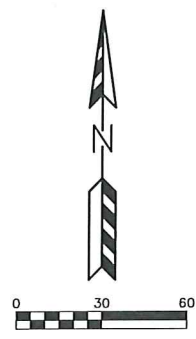
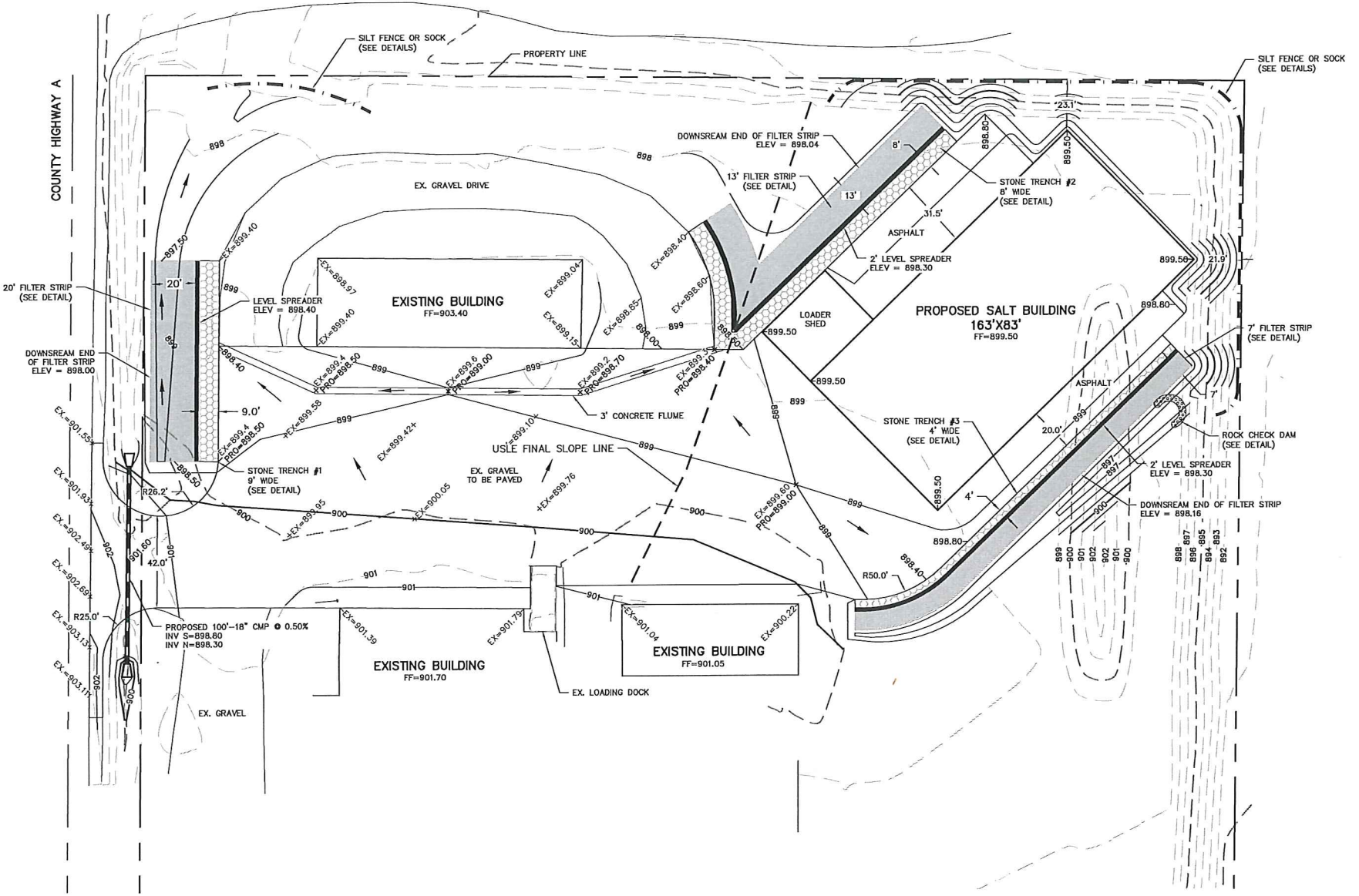
**KUENY ARCHITECTS, LLC**  
 10505 CORPORATE DRIVE - SUITE 100 PLEASANT PRAIRIE, WI 53158

PHONE (262) 857-8101 FAX (262) 857 8103

RFB 318008 Dane County  
 Salt Storage Shed  
 July 3, 2018

**1.0**





**EROSION NOTES:**  
 EXISTING GRAVEL TRACKING PAD IS TO BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACK OF MUD OR DRY SEDIMENT ONTO THE ADJACENT PUBLIC STREETS. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORKDAY.  
 EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO GRADING OPERATIONS AND SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS ESTABLISHED. ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF A 0.5 INCH RAIN EVENT. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.  
 CUT AND FILL SLOPES SHALL BE NO GREATER THAN 3:1.  
 EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECOGNIZING AND CORRECTING ALL EROSION CONTROL PROBLEMS THAT ARE A RESULT OF CONSTRUCTION ACTIVITIES. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.

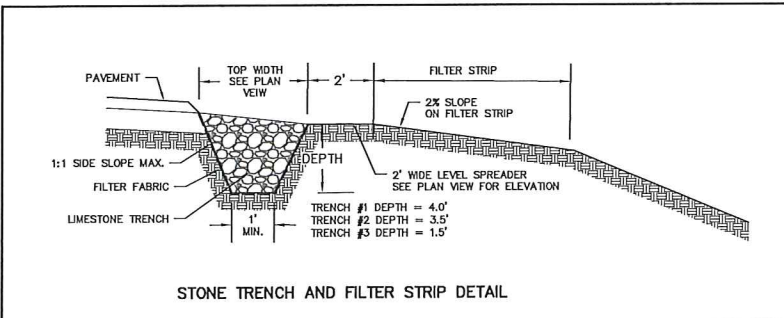
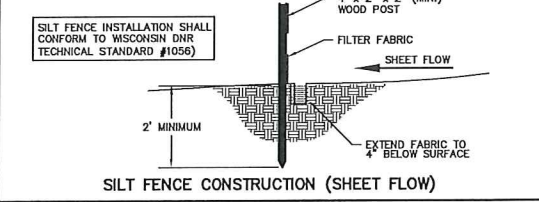
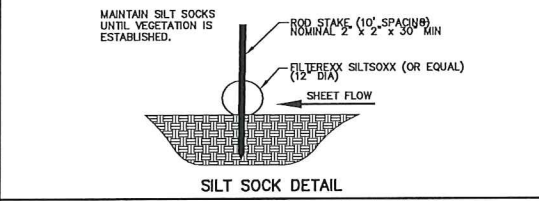
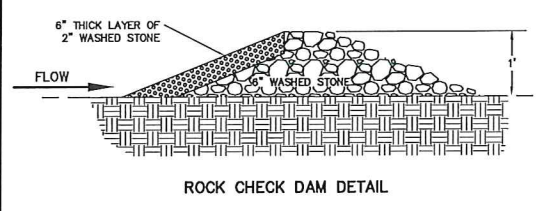
**TIME SCHEDULE:**

SEPT. 15, 2018	INSTALL INITIAL EROSION CONTROL DEVICES.
SEPT. 15, 2018 - MARCH 15, 2019	GRADE SITE. INSTALL CULVERT. CONSTRUCT DRIVEWAY AND LIMESTONE TRENCH. START BUILDING CONSTRUCTION.
MARCH 15, 2019 - JUNE 1, 2019	COMPLETE BUILDING CONSTRUCTION AND FINAL GRADING. CONSTRUCT FILTER STRIPS. RESTORE PVIOUSLY DISTURBED AREAS.

**RESTORATION NOTES:**  
 RESTORATION WILL OCCUR AS SOON AFTER THE DISTURBANCE AS PRACTICAL. SLOPES GREATER THAN 20% SHALL BE RESTORED WITHIN 30 DAYS.  
 ALL PVIOUSLY DISTURBED AREAS SHALL RECEIVE A MINIMUM OF FOUR (4) INCHES OF TOPSOIL. SEED AND MULCH. SEED MIXTURE 40 SHALL BE USED. MIXTURES SHALL BE IN ACCORDANCE WITH SECTION 830 OF D.O.T. SPECIFICATIONS. AN EQUAL AMOUNT OF ANNUAL RYEGRASS SHALL BE ADDED TO THE MIX. SEED MIXTURES SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER 1,000 SQUARE FEET. ALL PVIOUSLY DISTURBED AREAS SHALL RECEIVE FERTILIZER EXCEPT NATIVE PLANTING AREAS. FERTILIZER SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER 1,000 SQUARE FEET. FERTILIZER SHALL MEET THE MINIMUM REQUIREMENTS THAT FOLLOW: NITROGEN, NOT LESS THAN 16%; PHOSPHORIC ACID, NOT LESS THAN 8%; POTASH, NOT LESS THAN 8%. MULCH SHALL CONSIST OF HAY OR STRAW APPLIED AT THE RATE OF 2 TONS PER ACRE.  
 SEEDING FROM OCTOBER 1 THROUGH NOVEMBER 15 SHOULD BE AVOIDED TO PREVENT FREEZING OF NEW GROWTH. ADD WINTER WHEAT SEED AT ONE POUND PER 1,000 SQUARE FEET FOR SEEDING AFTER NOVEMBER 15.

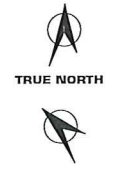
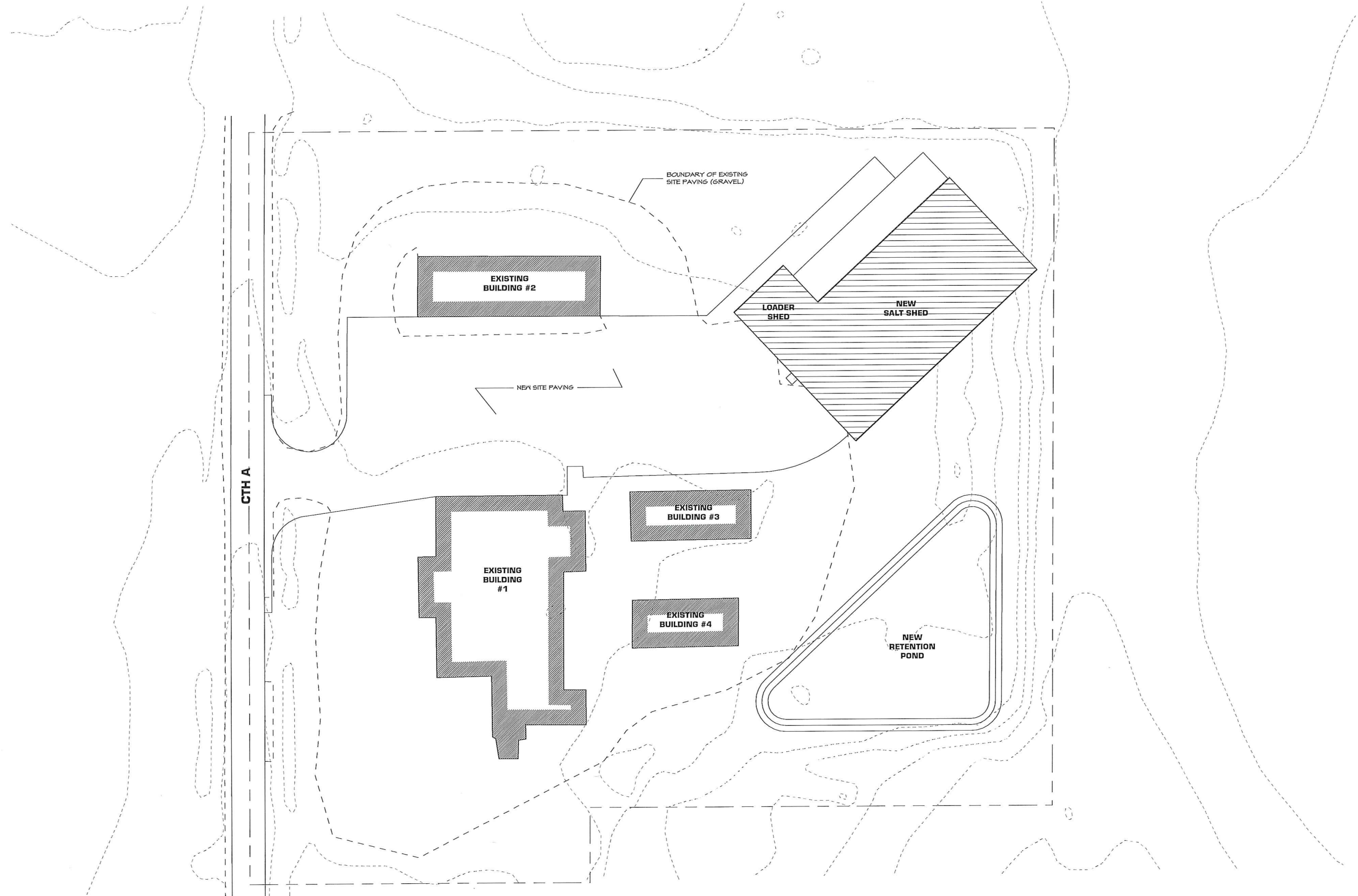
**OWNER:**  
 WI DOT  
 2101 WRIGHT STREET  
 MADISON, WI 53704

**ENGINEER:**  
 QUAM ENGINEERING, LLC  
 ATTN: RYAN QUAM  
 4604 SIGGELKOW ROAD, SUITE A  
 MCFARLAND, WI 53558



1015 COUNTY HIGHWAY A  
 GRADING AND EROSION CONTROL PLAN  
 SHEET: C-1  
 DATED: JULY 3, 2018

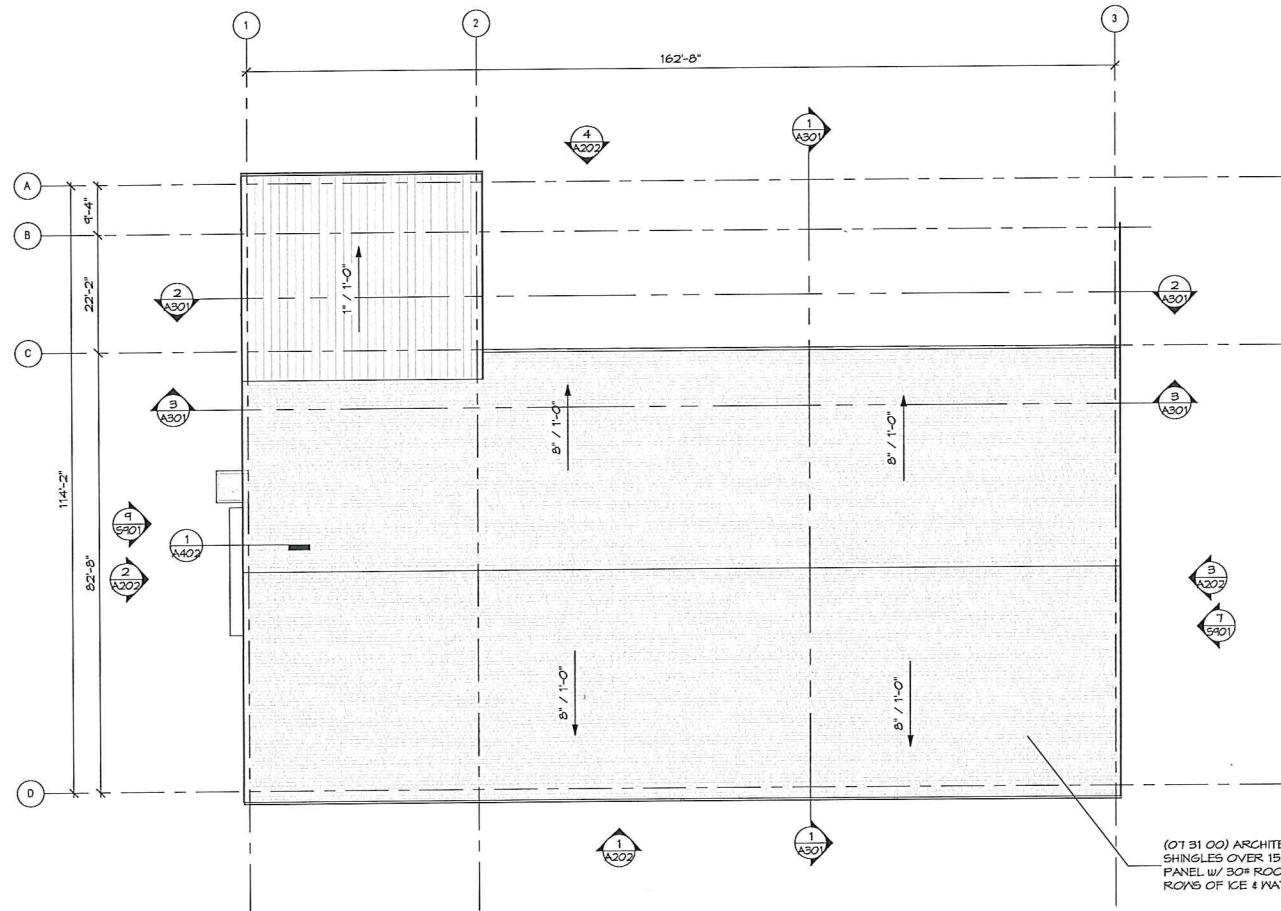
**QUAM ENGINEERING, LLC**  
 Residential and Commercial Site Design Consultants  
 www.quamengineering.com  
 4604 Siggelkow Road, Suite A - McFarland, Wisconsin 53558  
 Phone (608) 838-7750; Fax (608) 838-7752



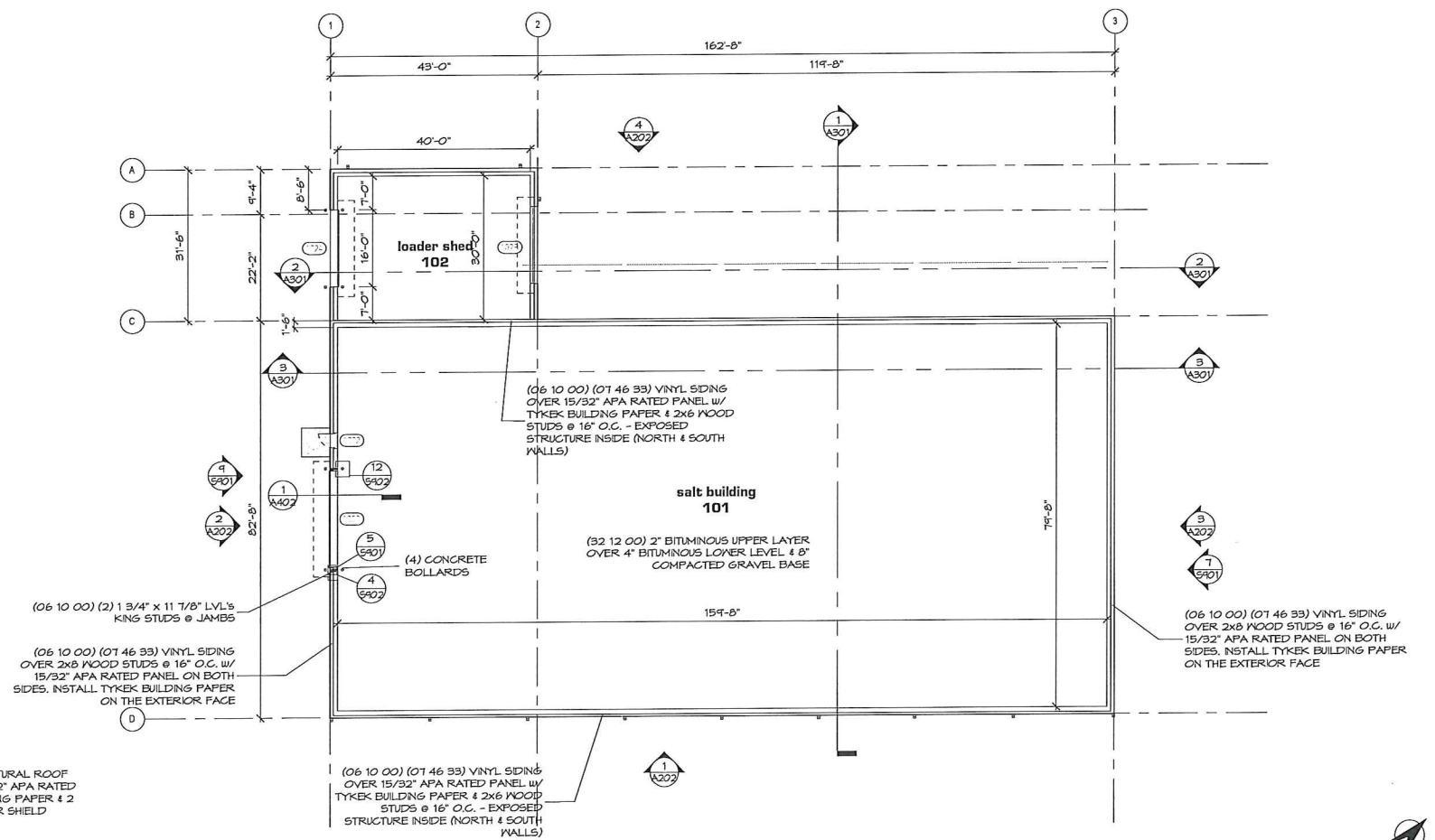
TRUE NORTH

PLAN NORTH

SCALE: 1" = 30'-0"



**2 Roof Plan**  
1/16" = 1'-0"



**1 Floor Plan**  
1/16" = 1'-0"



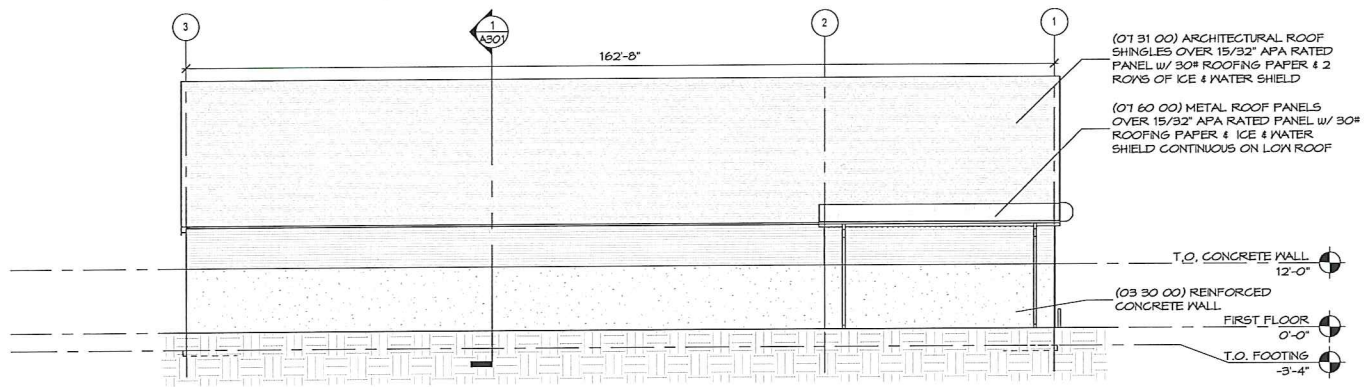
PLAN NORTH

SCALE: 1/16" = 1'-0"

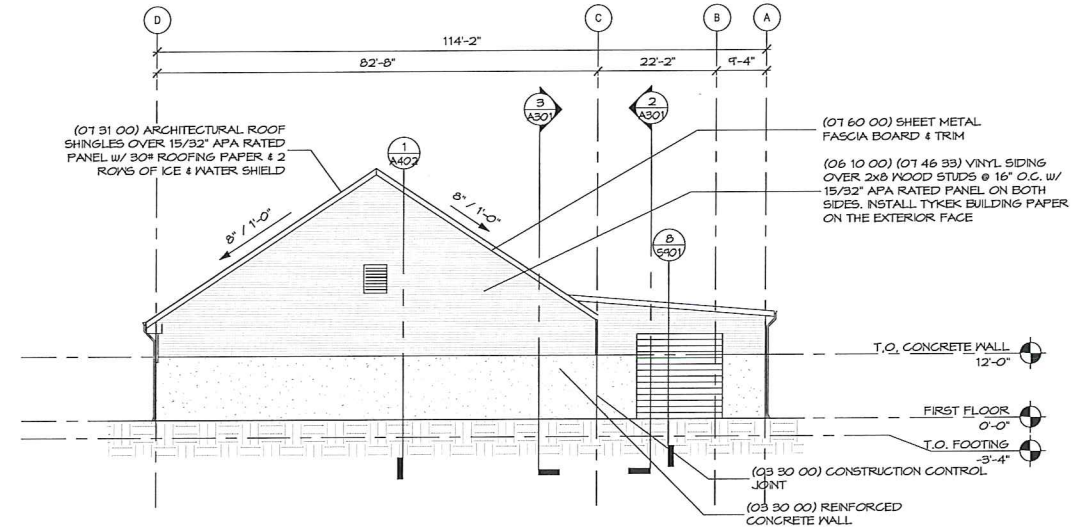
**Floor Plans**

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Town of Albion, Wisconsin 53534  
July 3, 2018

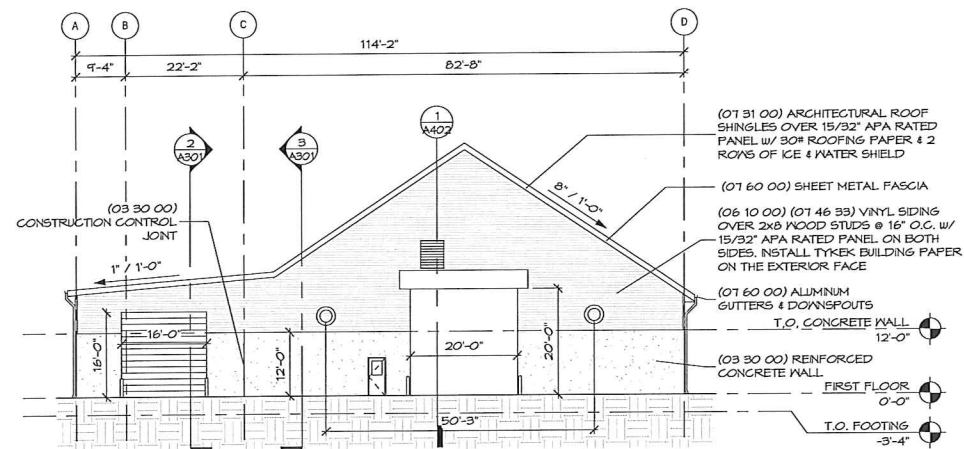
**A201**



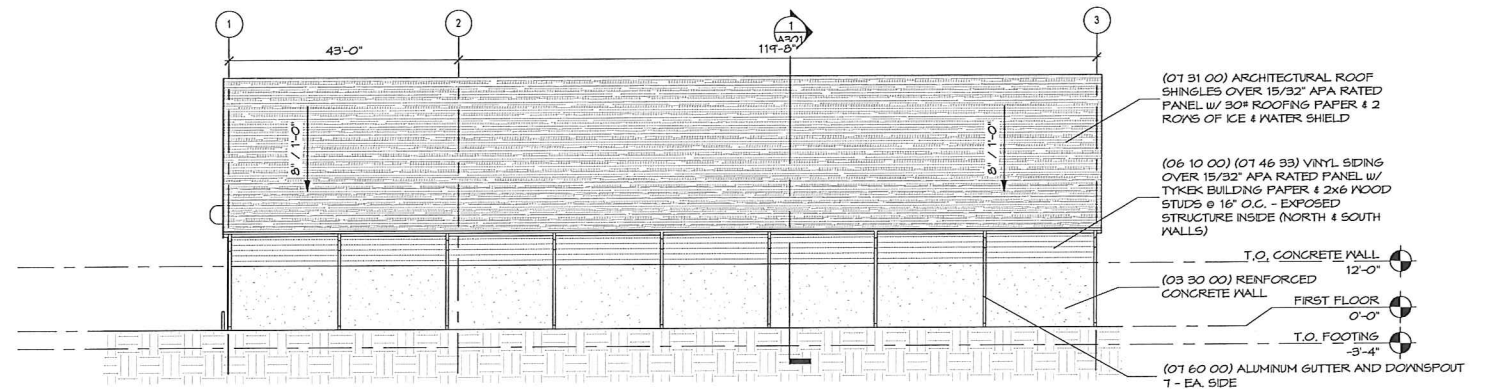
**4 North Elevation**  
1/16" = 1'-0"



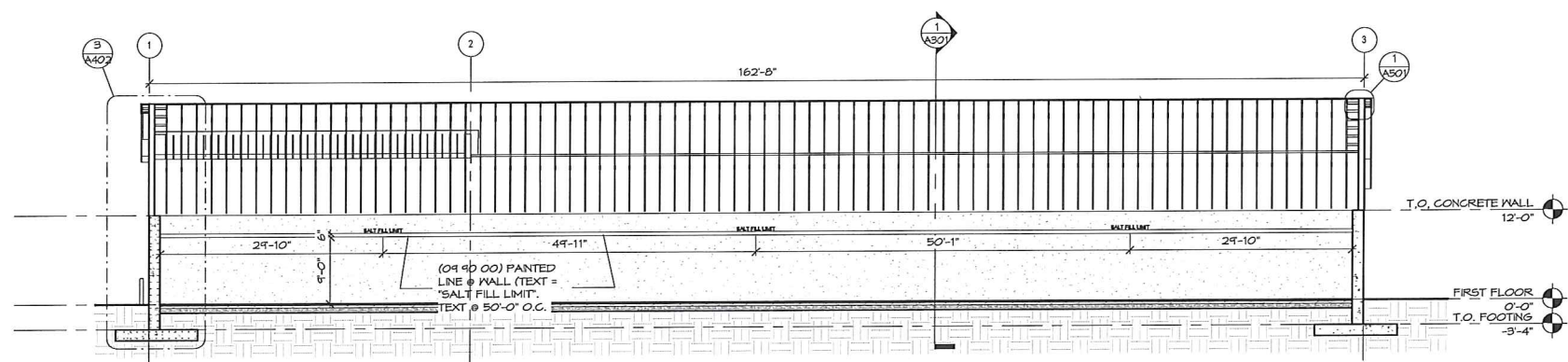
**3 East Elevation**  
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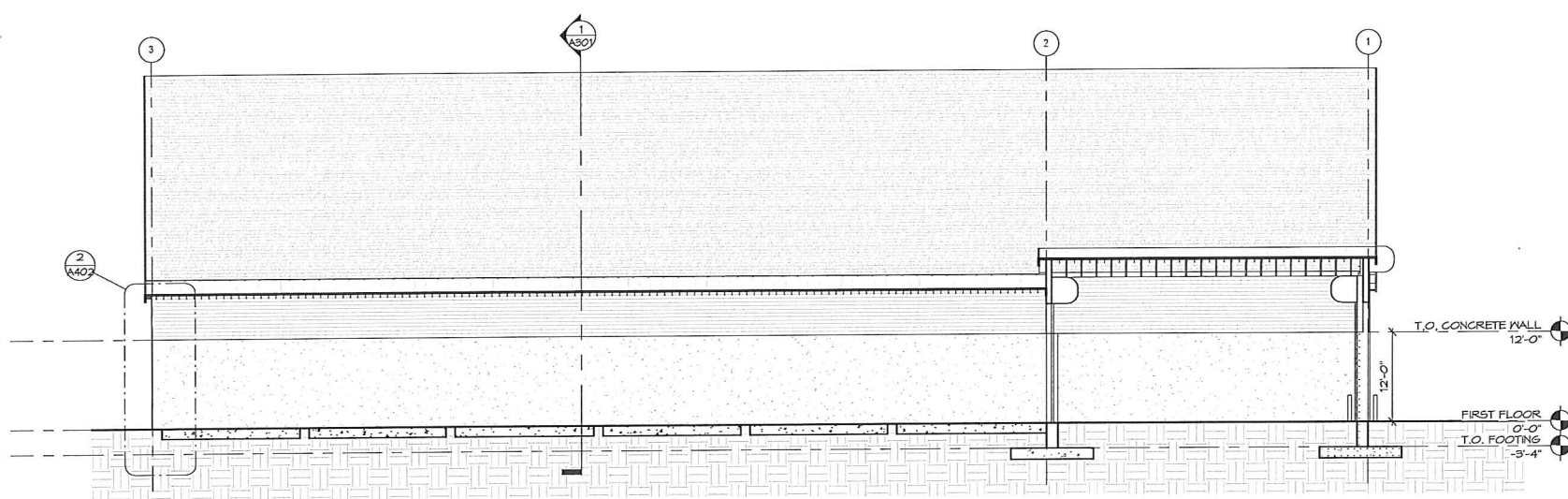
**2 West Elevation**  
1/16" = 1'-0"



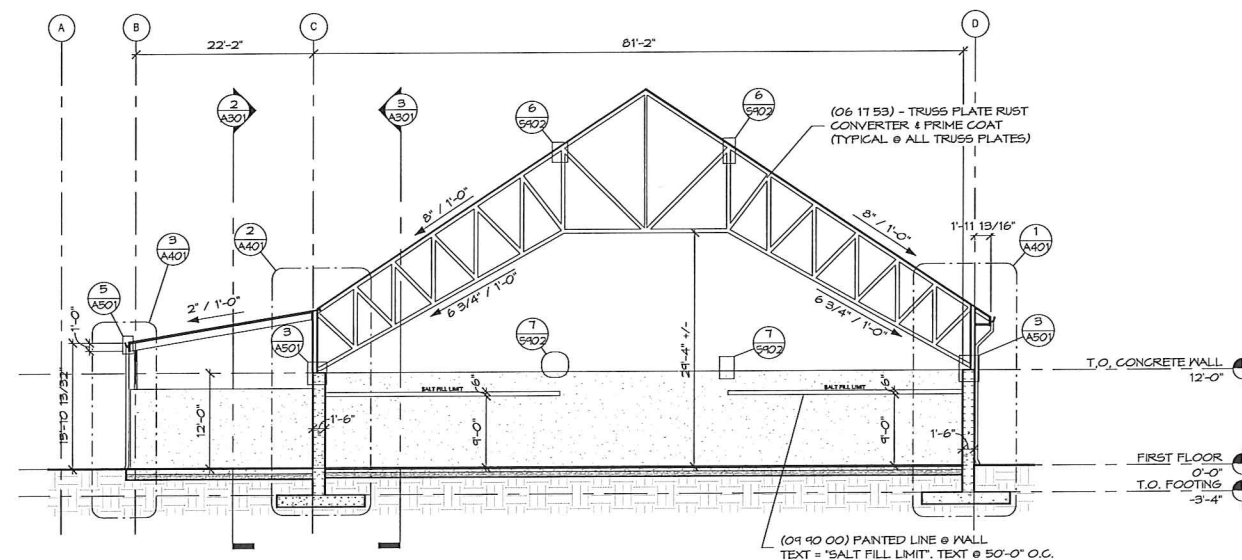
**1 South Elevation**  
1/16" = 1'-0"



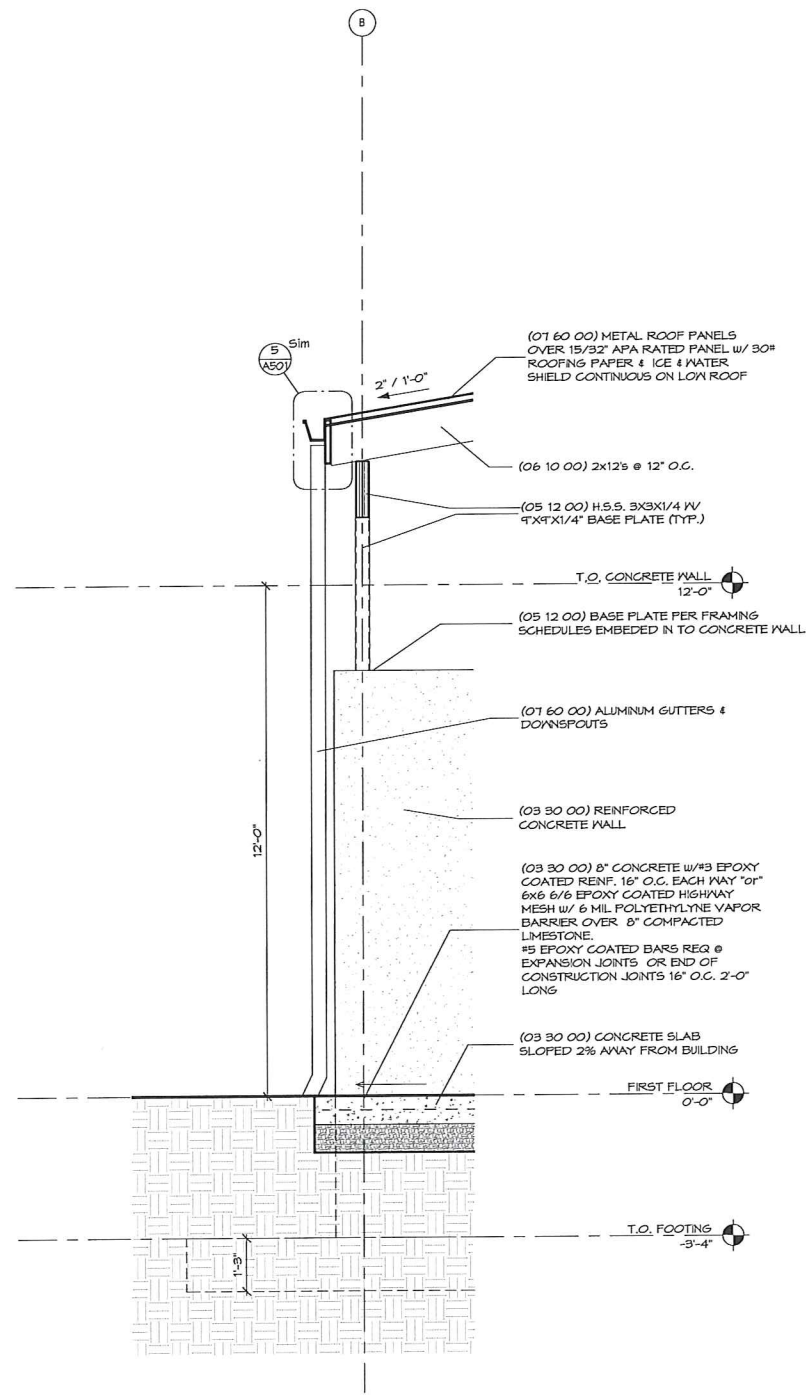
**3 Building Section - East/West 1**  
3/32" = 1'-0"



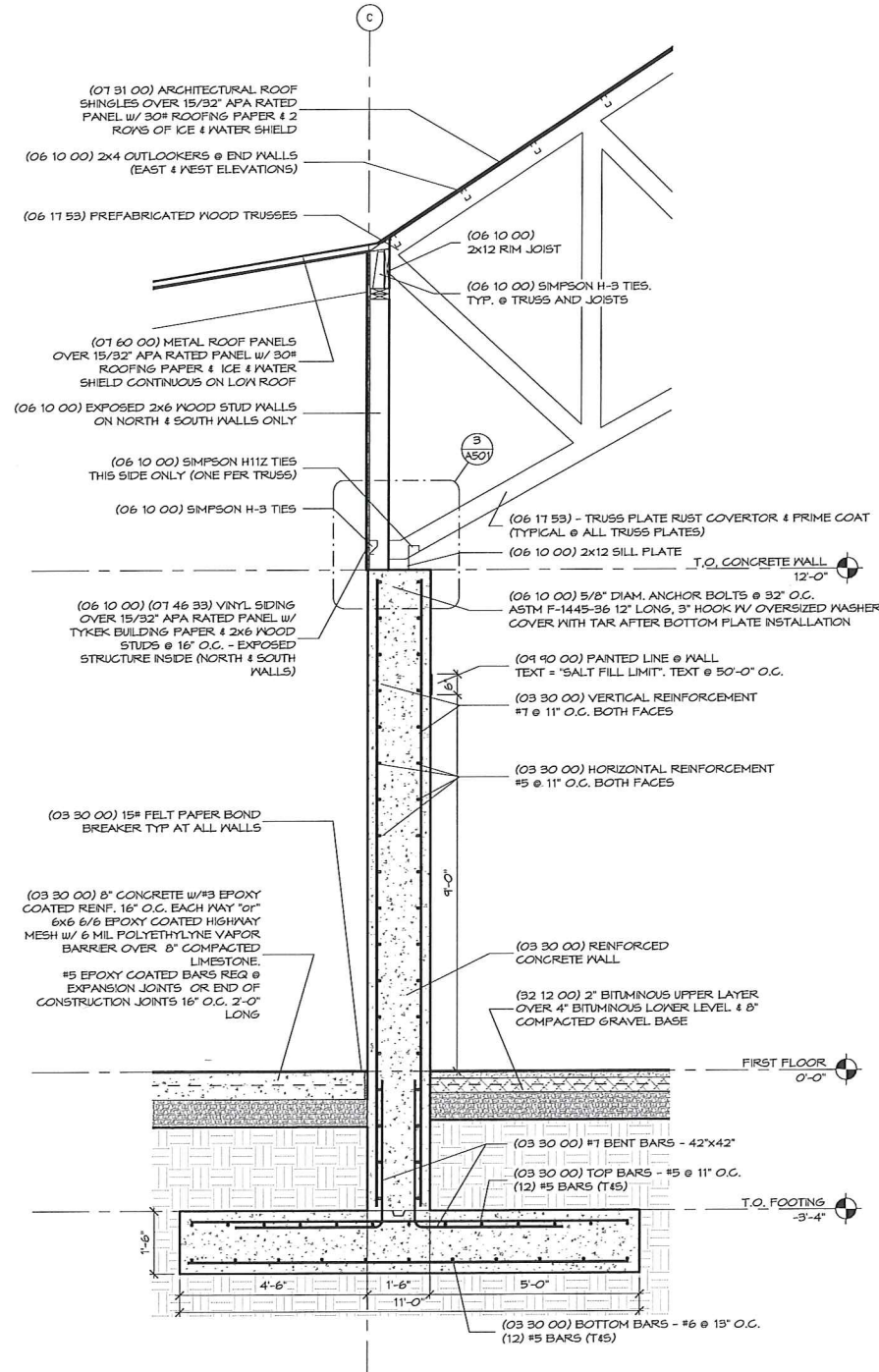
**2 Building Section - East/West**  
3/32" = 1'-0"



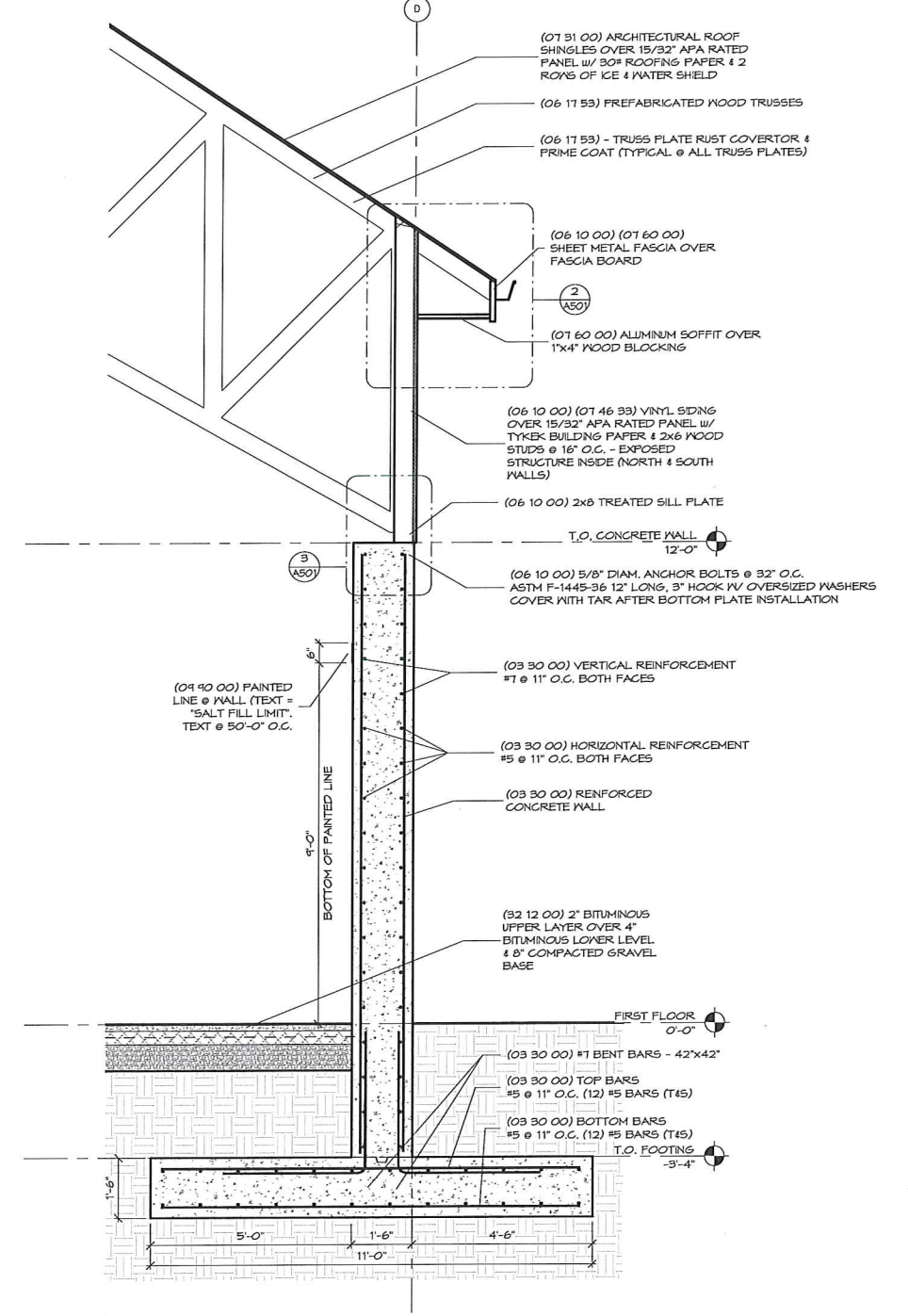
**1 Building Section - North/South**  
3/32" = 1'-0"



**3** Wall Section  
1/2" = 1'-0"

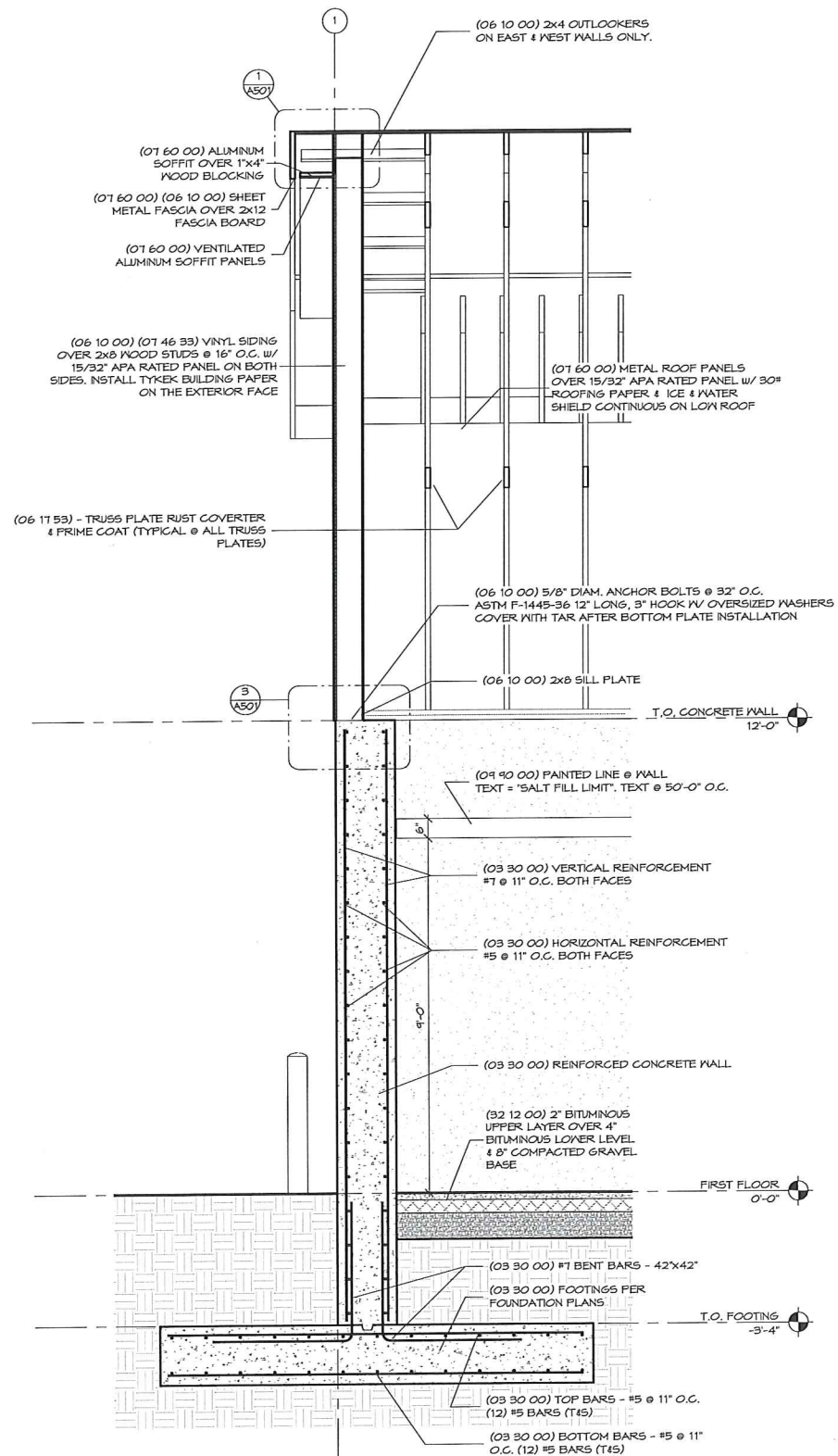


**2** Wall Section  
1/2" = 1'-0"

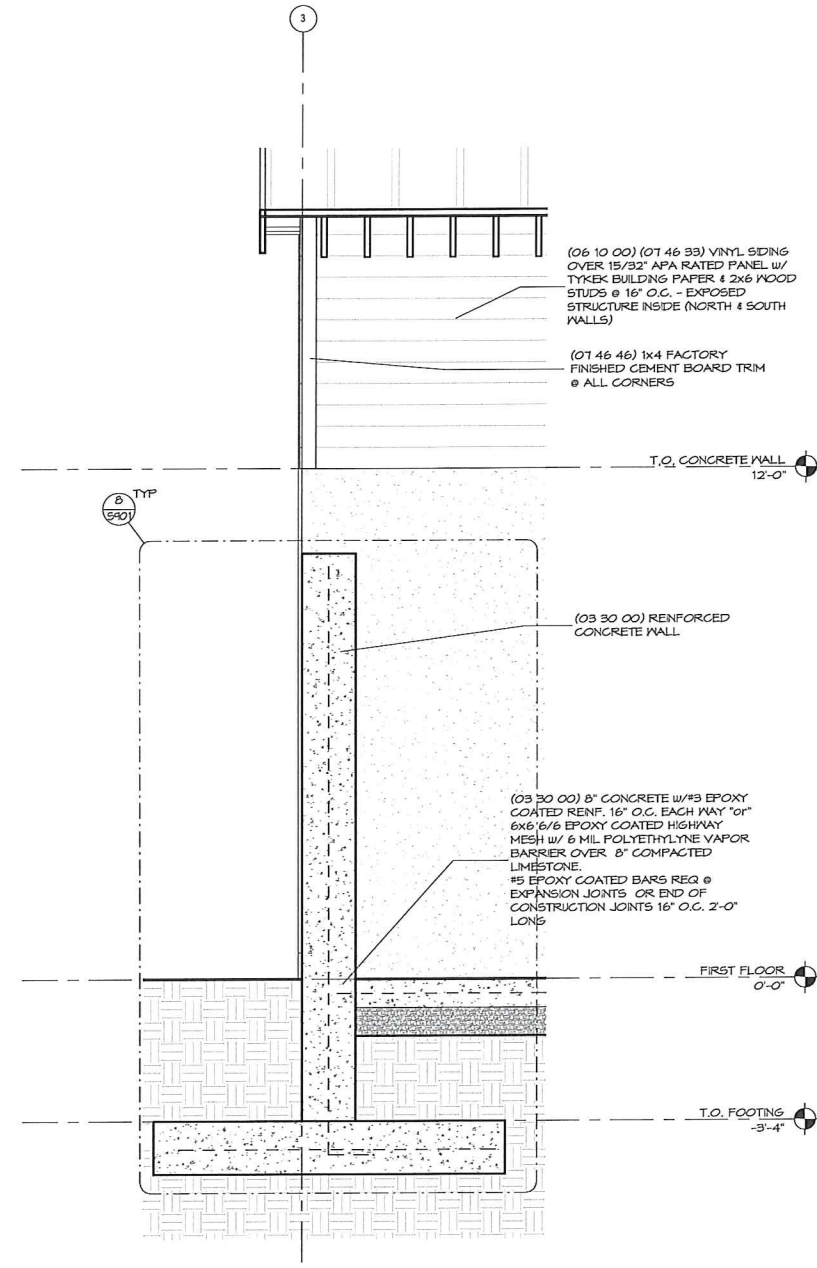


**1** Wall Section  
1/2" = 1'-0"

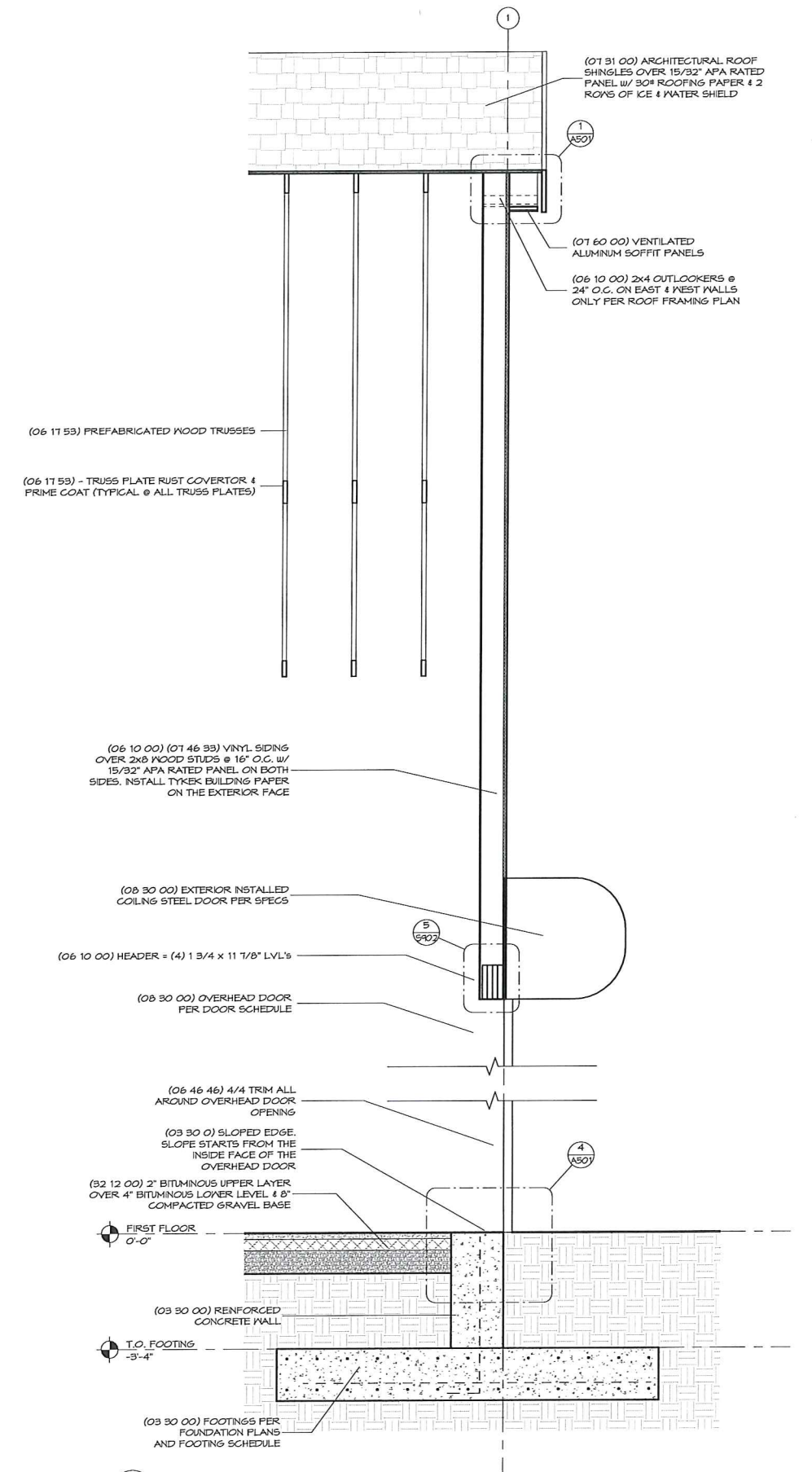




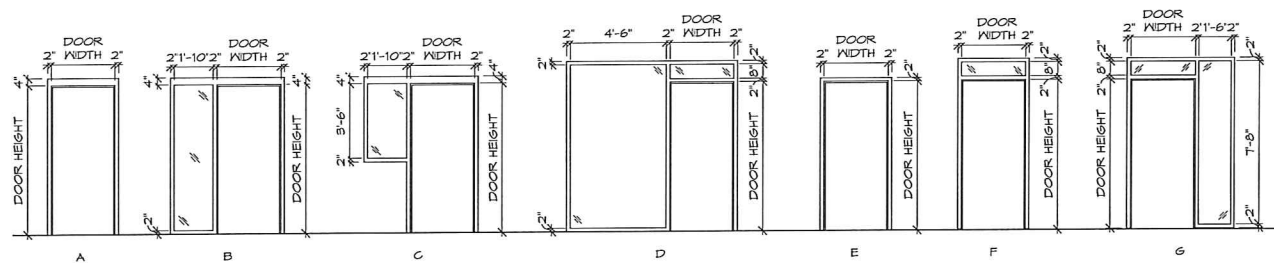
**3** Wall Section  
1/2" = 1'-0"



**2** Wall Section  
1/2" = 1'-0"

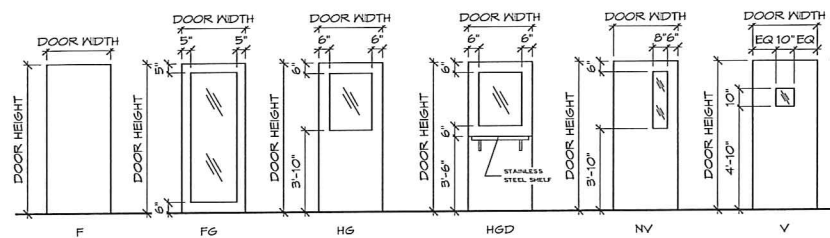


**1** Wall Section  
1/2" = 1'-0"



**Door Frame Types**

1/4" = 1'-0"

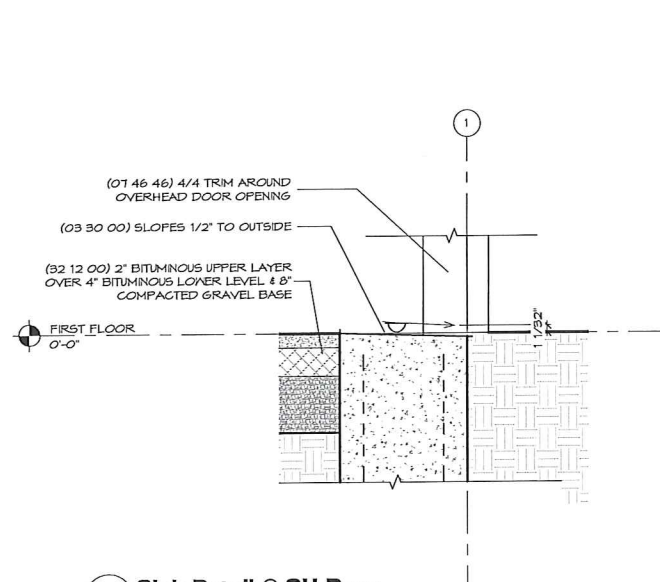


**Door Panel Types**

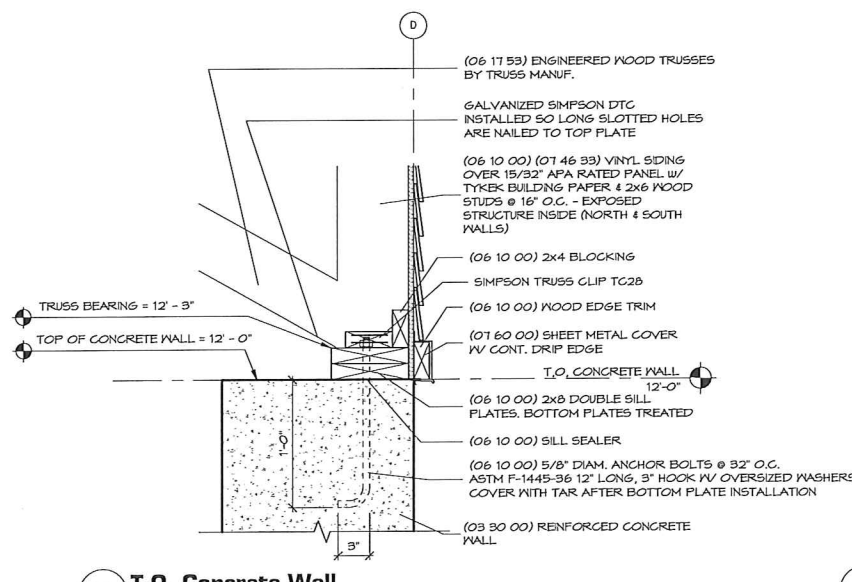
1/4" = 1'-0"

- SINGLE CYLINDER CLASSROOM LOCK**  
Deadbolt locked or unlocked by key from outside. Deadbolt unlocked by thumbturn only from inside.
- LEVER CLASSROOM LOCK**  
Outside lever locked and unlocked by key. Inside lever always unlocked.
- LEVER STOREROOM LOCK**  
Outside lever fixed, unlocked by key. Inside lever always unlocked.
- LEVER OFFICE LOCK**  
Push-button locking. Pushing button locks outside lever until unlocked by key outside or by turning inside lever.
- LEVER ENTRANCE LOCK**  
Turn/Push-button locking. Pushing and turning button locks outside lever requiring use of key until button is manually unlocked.
- LEVER PRIVACY LOCK**  
Push-button locking. Can be opened from outside by emergency key, screwdriver, or similar tool.
- COMBINATION LOCK**  
Outside lever fixed. Entrance by use of multi-digit combination. Inside lever always unlocked.

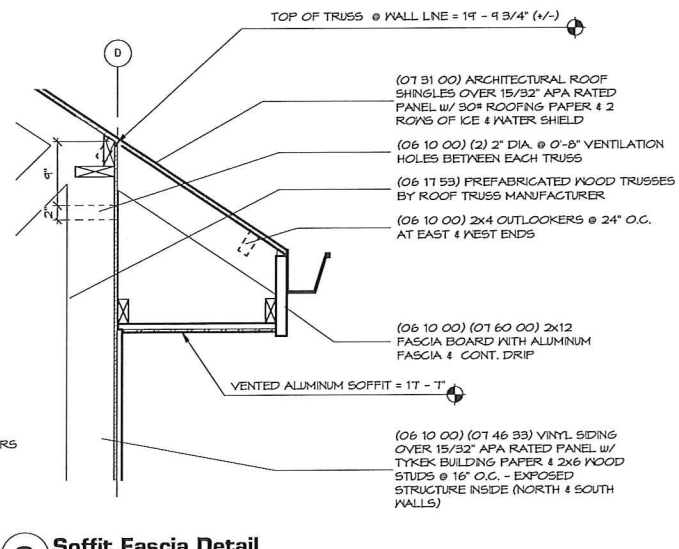
**Lockset Types**



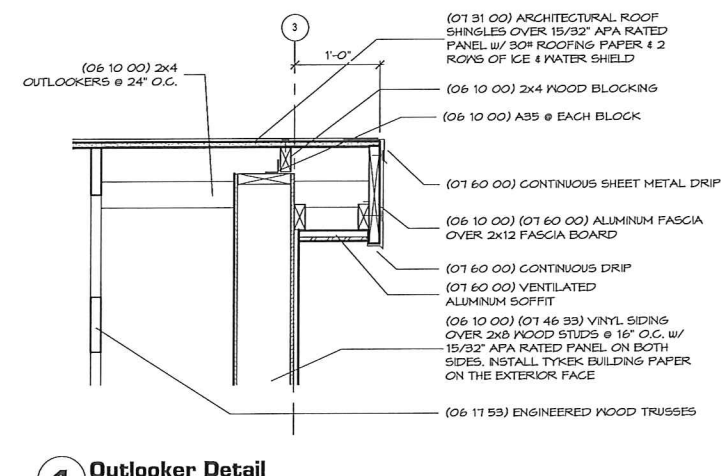
**4 Slab Detail @ OH Door**  
1" = 1'-0"



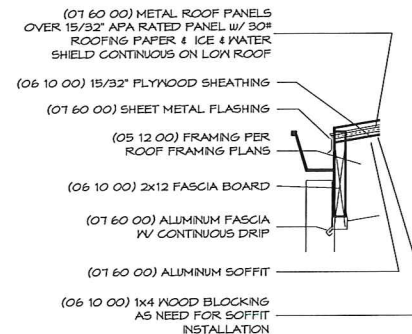
**3 T.O. Concrete Wall**  
1 1/2" = 1'-0"



**2 Soffit Fascia Detail**  
1" = 1'-0"



**1 Outlooker Detail**  
1" = 1'-0"



**5 Fascia Board Detail**  
1" = 1'-0"

**DOOR SCHEDULE**

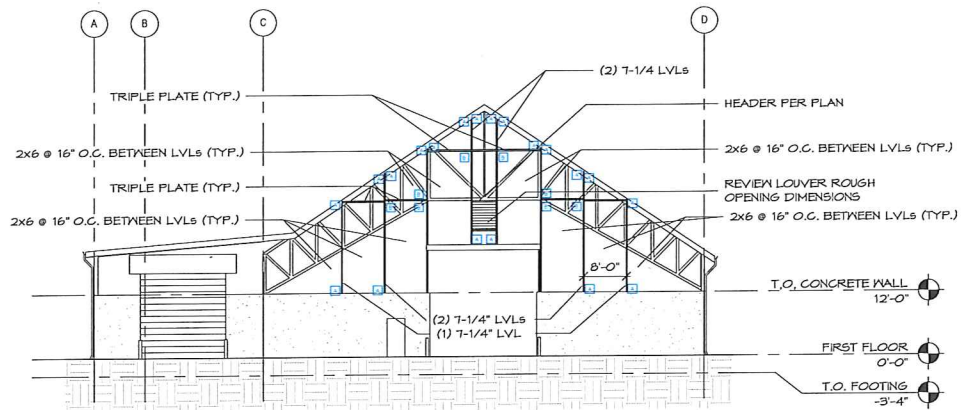
MARK	FROM ROOM		TO ROOM		DOOR							FRAME			REMARKS	
	NUM	NAME	NUM	NAME	TYPE	MATERIAL	SWING	WIDTH	HEIGHT	THICKNESS	LOUVER	GLASS	TYPE	MATERIAL		GLASS
1002	101	salt building	-	exterior	HG	FRP	RHR	3'-0"	7'-0"	1 3/4"	-	GL-2	E	ALUMINUM	-	-

**HARDWARE SCHEDULE**

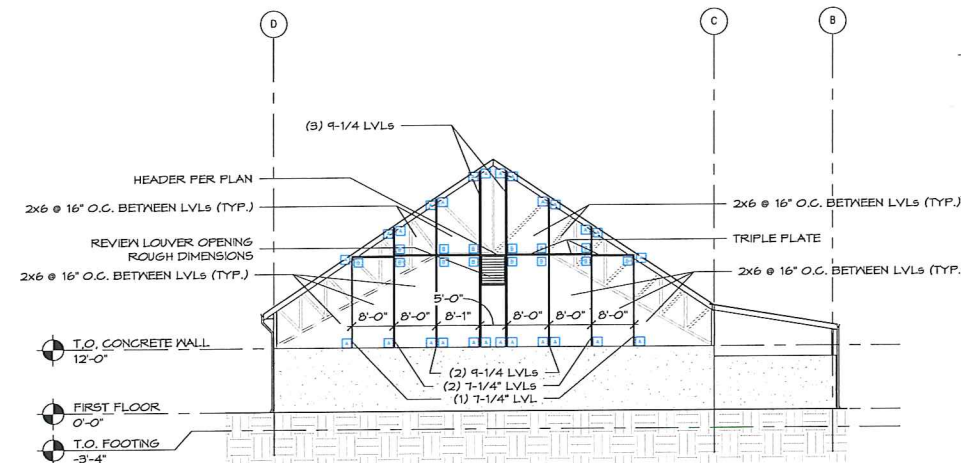
MARK	LOCKSET	PUSH-PULL	HOLD OPEN	CLOSER	HINGE	DOOR STOP	THRESHOLD	WEATHER STRIP	KICK PLATE	SOUND STOP	NAMEPLATE	NOTES
1002	Entrance	-	-	X	B.B.	-	X	X	X	-	-	-

**SPECIAL DOOR SCHEDULE**

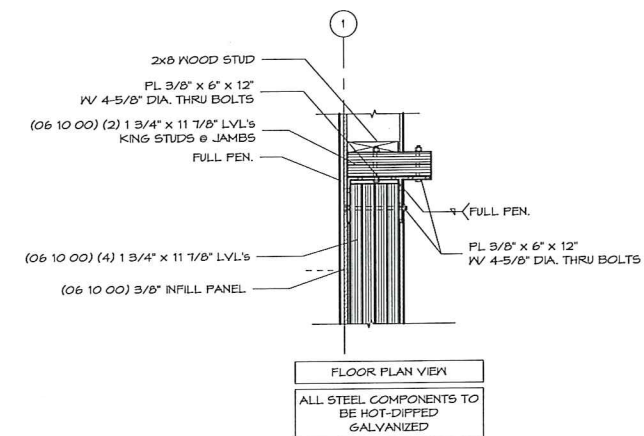
MARK	FROM ROOM		TO ROOM		DOOR							REMARKS
	NUM	NAME	NUM	NAME	TYPE	MATERIAL	LABEL	WIDTH	HEIGHT	R-Value		
100D	-	exterior	101	salt building	CD			20'-0"	20'-0"		Hardware by (08 30 00)	
102A	102	loader shed	-	exterior	CD			16'-0"	16'-0"		Hardware by (08 30 00)	
102B	102	loader shed	-	exterior	CD			16'-0"	16'-0"		Hardware by (08 30 00)	



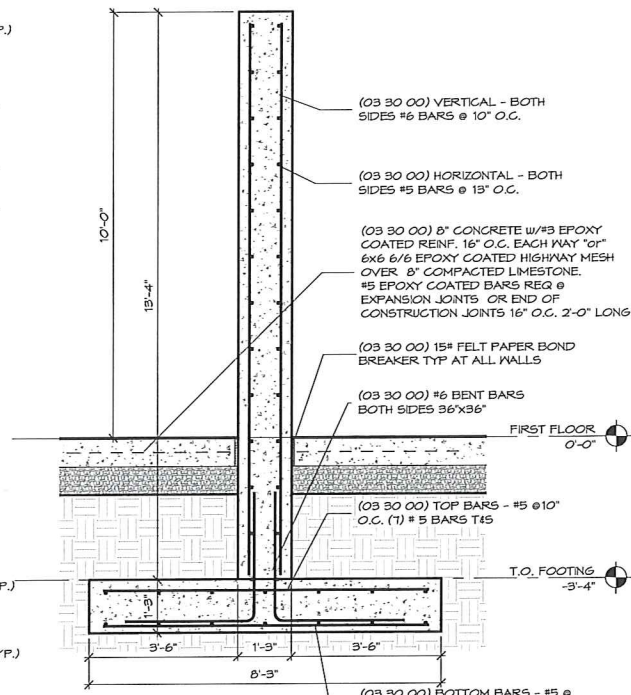
**9 Framing - West Elevation**  
1/16" = 1'-0"



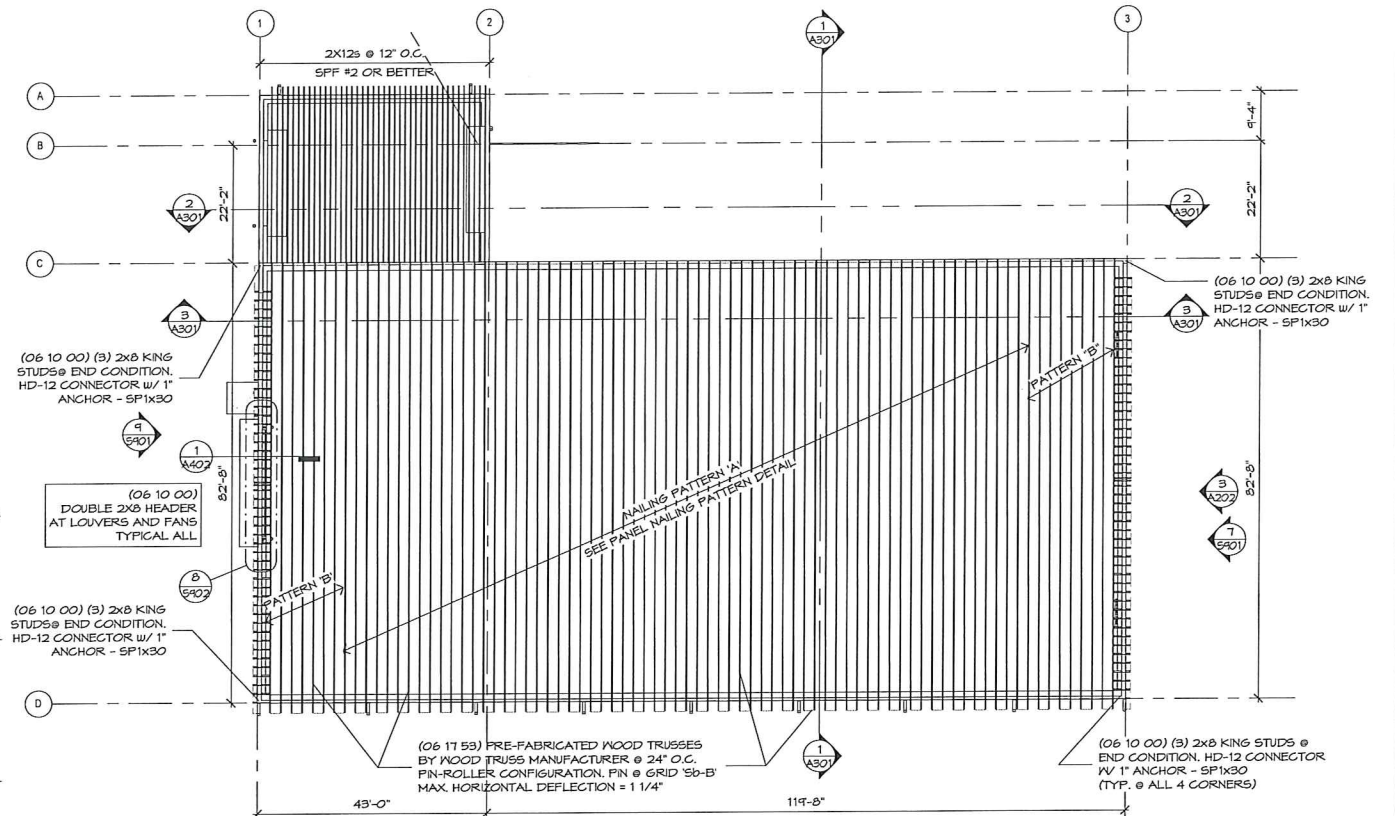
**7 Framing - East Elevation**  
1/16" = 1'-0"



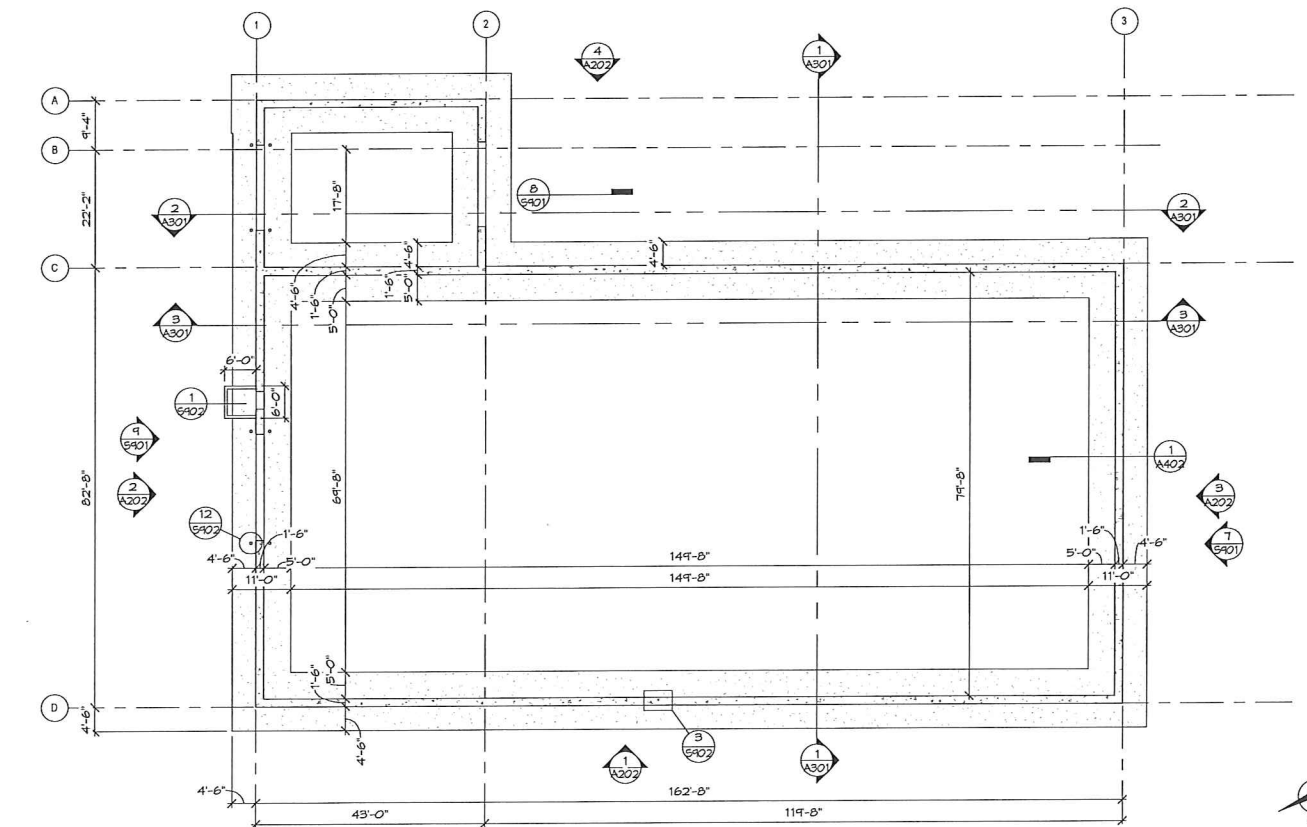
**5 Jamb Detail @ OH Door Header**  
1" = 1'-0"



**8 Salt Building - Side Bins Typ. Wall**  
1/2" = 1'-0"

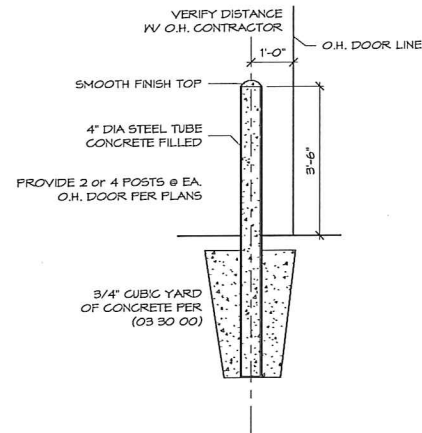


**2 Framing Plan**  
1/16" = 1'-0"

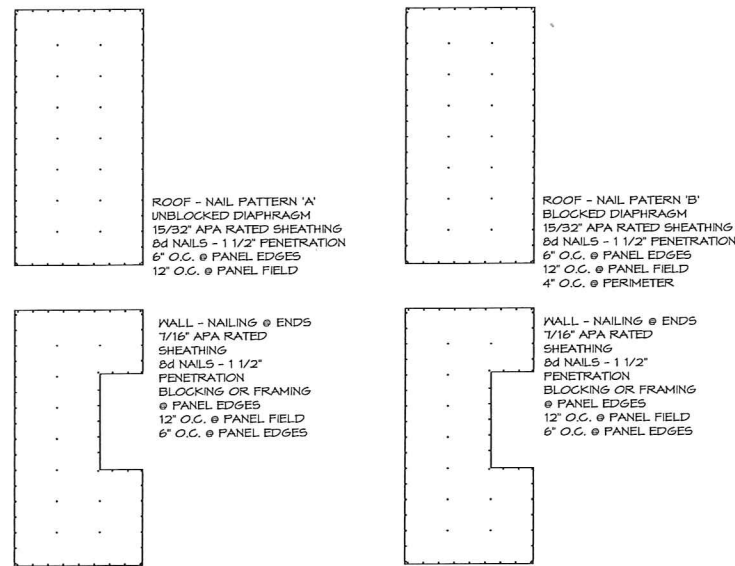


**1 Foundation Plan**  
1/16" = 1'-0"

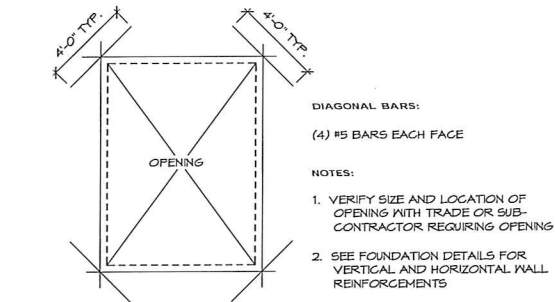




**12 Bollard Detail**  
1/2" = 1'-0"



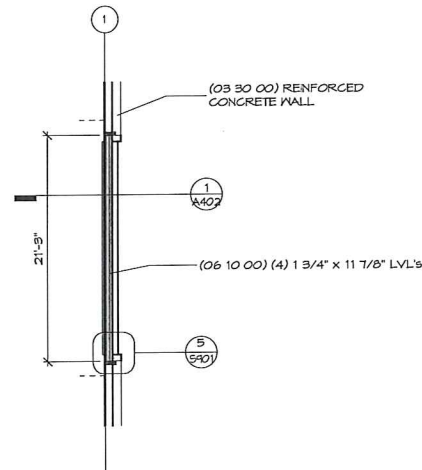
**11 Roof/Wall Panel Nailing Pattern**  
3/8" = 1'-0"



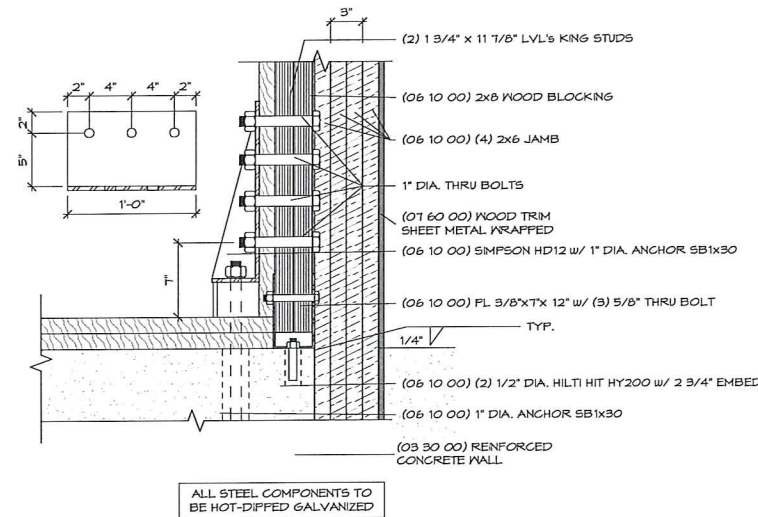
**10 Foundation Wall Penetration Reinforcement**  
1/4" = 1'-0"

LOAD SYSTEM @ SALT BUILDING	
LIVE LOAD (SNOW)	25.2 P.S.F.
DEAD LOAD	12.0 P.S.F.
TOP CHORD	10.0
BOTTOM CHORD	2.0
	14.8
DESIGN LOAD	35 P.S.F.
WIND LOAD	
BASIC WIND SPEED	90 MPH
IMPORTANCE FACTOR	1.0
EXPOSURE CATEGORY	C
PARTIALLY ENCLOSED	
SEISMIC LOAD	
SITE CLASS	D
SDS	0.116
SD1	0.072
SEISMIC DESIGN CATEGORY	B

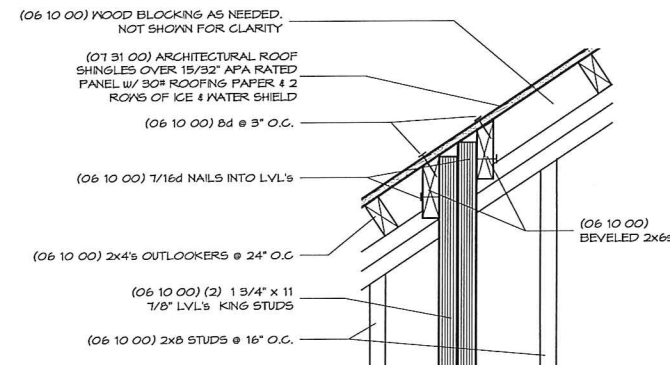
**9 Load Table - Roof**  
1 1/2" = 1'-0"



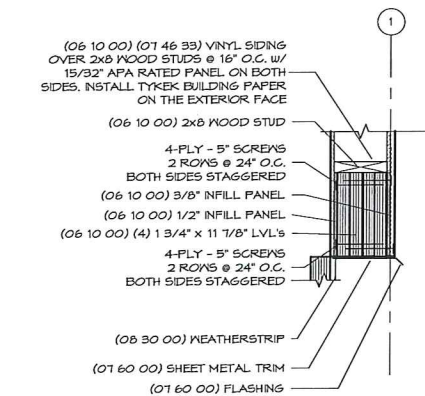
**8 OH Door Framing**  
1/8" = 1'-0"



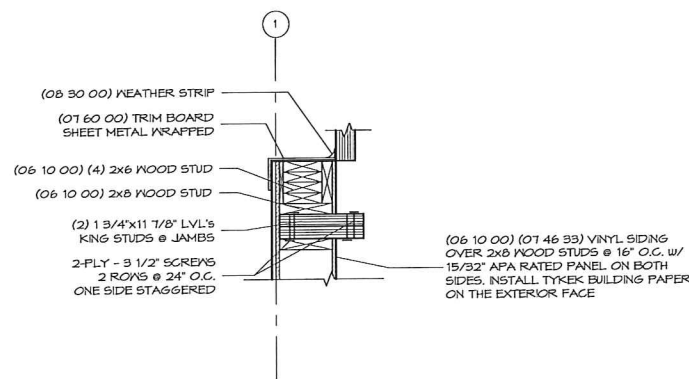
**7 Jamb Detailing @ Concrete Wall**  
1 1/2" = 1'-0"



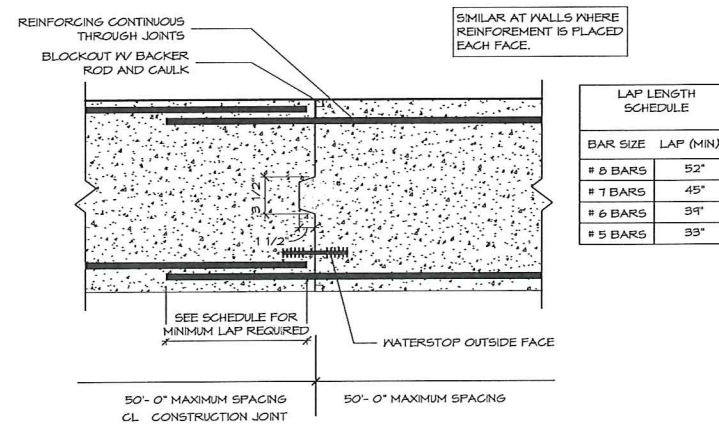
**6 Jamb Detail @ Top of Wall**  
1 1/2" = 1'-0"



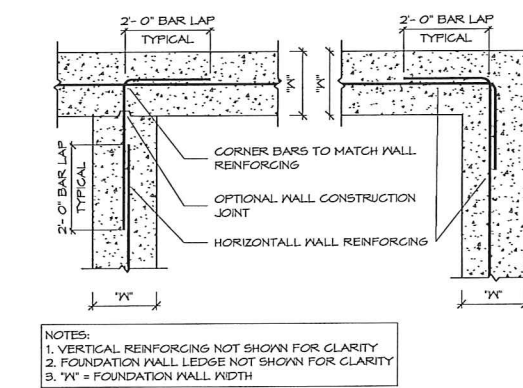
**5 OH Header Fastening @ Plys**  
1" = 1'-0"



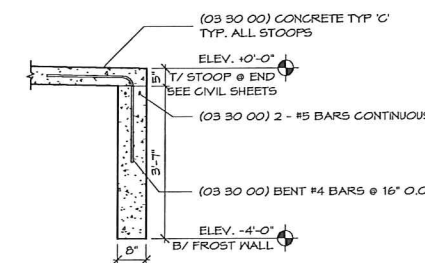
**4 SB King Stud Fastening @ Plys**  
1" = 1'-0"



**3 Foundation Wall Construction Joint**  
1 1/2" = 1'-0"



**2 Foundation Wall Corner Reinforcement**  
1/2" = 1'-0"



**1 Stoop Frost Wall**  
1/2" = 1'-0"