Wisconsin Department of Transportation

Division of Transportation Systems Development
Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
P O Box 7916
Madison, WI 53707-7916

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

June 30, 2016

NOTICE TO ALL CONTRACTORS:

Proposal #10: 6707-02-81
Fall River – Cambria
V Cambria, Columbia County Site
Salt Storage Facility
Non Highway
Columbia County

Letting of July 12, 2016

This is Addendum No. 01, which provides for the following:

Special Provisions

Revised Special Provisions	
Article No.	Description
16	Columbia County Storage Shed, Item SPV.0105.01
19	Brine Storage and Dispensing System, Item SPV.0105.05

Plan Sheets

Revised Plan Sheets – ID 6707-02-81	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
14	Drawing Name: Structural Notes (Revised Roof Load)
15	Drawing Name: Foundation Plan (Revised Retaining Wall Detail)
16	Drawing Name: Structural Details (Added detail note)
18	Drawing Name: Electrical Plan (Added light fixture note and electrical panel note)

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

6707-02-81

June 30, 2016

Special Provisions

16. Columbia County Storage Shed, Item SPV.0105.01

Replace the entire subsection Gutter Accessories: *under section titled* **B.2 Building Products** *with the following:*

Gutter Accessories: Profiled to suit gutters and downspouts. Form components to shape indicated on Drawings, accurate in size, square, and free from distortion or defects. Form pieces in longest practical lengths. Form material with flat lock seams, except where otherwise indicated. At moving joints, use sealed lapped, bayonet-type or interlocking hooked seams.

Silane Water Repellent is a low VOC, UV stable, vapor permeable, silane penetrating sealer and water repellent.
The material is a concentrated, solvent free Silane. The material is a concentrated compound based on triethoxy (2,4,4-trimethylpentyl) Silane, ready to be used. The material is not be diluted on site either by water or solvent. The material does not contain any silicates, fluor silicates, or stearates.

Manufacturuer: Sikagard® 706 Thixo, Sika Corporation, or approved equal

Provide a written warranty from the manufacturer against defects of materials for a period of one (1) year, beginning with date of substantial completion of the project

Typical Properties:

Aspect: Paste/Cream
Colour: White (Transparent after application and drying)
Solids: ~80% active content (ext. tested)
VOC: ~77 g/l
Comply with EN 1504-2 (Hydrophobic Impregnation)
Penetration Depth: Class II (≥10 mm)
Water Absorption: <7.5%
Alkali Resistance: <10%
Drying Rate: Class I (>30%)
Freeze & Thaw cycles with de-icing salts: Pass
On Site Penetration Depth: ≥5 mm

Substrate must be clean, sound, and free of surface contaminants. Remove dust, laitance, grease, oils, curing compounds, form release agents and all foreign particles by mechanical means. Substrate are in accordance with EN 1504-10 (site application and QC of works) for hydrophobic impregnation or with ICRI Guideline No. 03732 for sealers. Apply silane water repellant to interior face of concrete wall.

Replace the entire subsection Rolling Overhead Doors: *under section titled* **B.2 Building Products** *with the following:*

Rolling Overhead Doors: Provide one unobstructed rectangular entrance openings, nominal dimensions to be 30' high by 20' wide. Provide an upward acting coiling overhead door designed for 20 psf minimum wind load. Supply and install all wood head and jamb framing and blocking as required by door manufacturer.

Fabricate overhead coiling-door curtain of interlocking metal slats, designed to withstand wind loading indicated, in a continuous length for width of door without splices. Unless otherwise indicated, provide slats of thickness and mechanical properties recommended by door manufacturer for performance, size, and type of door indicated.

Form sheet metal hood to entirely enclose coiled curtain and operating mechanism at opening head. Contour to fit end brackets to which hood is attached. Roll and reinforce top and bottom edges for stiffness. Form closed ends for surface-mounted hoods and fascia for any portion of between-jamb mounting that project beyond wall face. Equip hood with intermediate support brackets as required to prevent sagging.

Fabricate hood to act as weather protection and with a perimeter sealant-joint-bead profile for applying joint sealant.

Provide a chain-hoist operator for manual operation consisting of endless steel hand chain, chain-pocket wheel and guard, and gear-reduction unit with a maximum 25 lbf force for door operation. Provide alloy-steel hand chain with chain holder secured to operator guide.

Provide side-mounted, jack shaft 3 HP Single-Phase electric door operator assembly of size and capacity recommended and provided by door manufacturer for door and operation-cycles requirement specified, with electric motor and factory-prewired motor controls, starter, gear-reduction unit, solenoid-operated brake, clutch, remote-control stations, control devices, integral gearing for locking door, and accessories required for proper operation.

Operator shall comply with NFPA 70 and control equipment complying with NEMA ICS 1, NEMA ICS 2, and NEMA ICS 6, with NFPA 70 Class 2 control circuit, maximum 24 V, ac or dc.

Provide obstruction detection device with external automatic safety sensor capable of protecting full width of door opening.

Door finish shall be PowerGard, or equal designed to protect the door from corrosive environments.

Replace the entire subsection Electrical and Lighting: *under section titled* **B.2 Building Products** *with the following:*

Electrical and Lighting: Perform all electrical work per applicable codes and schedule inspection and approval by the local regulatory agency. Coordinate the power supply to the salt storage building. Power supplied from adjacent shop building to the side nearest the southern building entrance. Place electrical underground conduit prior to commencement of asphalt pad construction. Locate the utility service meter and building's electrical panel in compliance with proper clearances and all applicable codes on the exterior face of the southern building walls, adjacent to the entryway. Electric service shall be 208/120-volt, Single-Phase, 3-Wire with a 30-amp service disconnect, eight 1P-20-amp branch circuit breakers, and a minimum of two 1P spaces. The electric panel's enclosure shall be rated NEMA 3R. The panel cover shall be lockable. See Electrical plans for additional information.

See Electrical plans for information regarding lighting fixtures, receptacles, circuiting, and other information concerning the electrical installation.

Replace entire titled **B.3 Electrical** *with the following:*

B.3 Electrical

Provide and coordinate power to the Salt Storage Facility with adjacent county shop building and furnish and install all lighting, wiring, and other electrical equipment.

19. Brine Storage and Dispensing System, Item SPV.0105.05

Delete entire section titled **A.5 Installation and Erection**.

Delete entire section titled **C.2 Pipe Bollards**.

Plan Sheets
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 14 – 16 and 18

END OF ADDENDUM

GENERAL STRUCTURAL NOTES

1. DESIGNED IN CONFORMANCE WITH THE 2009 INTERNATIONAL BUILDING CODE, INCLUDING THE WISCONSIN AMENDMENTS, 2011.
2. PERFORM WORK AND PROVIDE MATERIALS IN ACCORDANCE WITH STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION, 2016.4
3. DESIGN LOADS:
   - ROOF: 20.2 PSF BALANCED SNOW LOAD
   - PF = 0.7 X CE X CT X I X PG
   - PG = 30 PSF, CE = 1.0, CT = 1.2, I = IS = 0.8
4. DESIGN DEAD LOADS:
   - ROOF 10 PSF, (5 TOP, 5 BOTTOM)
5. WIND DESIGN CRITERIA:
   - PER ASCE 7-05 METHOD 1 SIMPLIFIED PROCEDURE
   - ENCLOSED BUILDING
   - V = 90 MPH, EXPOSURE C
6. KD=0.85, KZ=1.00, IW = 0.87
7. SEISMIC DESIGN CRITERIA:
   - SITE CLASS D, SDS = 0.096, S1 = 0.063
   - SEISMIC DESIGN CATEGORY A
8. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, PLUMBING, HVAC AND ELECTRICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THE SHOP DRAWINGS AND WORK.
9. NO OPENING (OTHER THAN THOSE SHOWN ON THE DRAWINGS) SHALL BE MADE IN ANY BEAM, COLUMN, OR OTHER STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
10. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON NEW OR EXISTING STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
11. SOIL BEARING CAPACITY = 5,000 PSF. PER GEOTECHNICAL EXPLORATION REPORT DATED NOV. 6TH, 2015.
12. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND FURNISHING ALL TEMPORARY BRACING AND/ OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES. THE STRUCTURAL ENGINEER ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION.
13. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCY IMMEDIATELY. INFORMATION PERTAINING TO EXISTING FIELD CONDITIONS GIVEN ON THESE STRUCTURAL DRAWINGS REPRESENTS TO THE BEST OF OUR KNOWLEDGE, THE ACTUAL EXISTING FIELD CONDITIONS. JEWELL ASSOCIATES MAKES NO WARRANTY AS TO THEIR ACCURACY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS IMPERATIVE TO THE NEW CONSTRUCTION AND REPORT DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS TO THE A/E FOR REVIEW. ANY WORK PERFORMED PRIOR TO RESOLUTION OF DISCREPANCIES BY THE A/E IS SUBJECT TO REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST TO THE CONTRACT.
14. CONTRACTOR NOTE: THE BASE OF ALL EXCAVATIONS SHALL BE KEPT FREE OF WATER AND LOOSE SOIL PRIOR TO PLACING CONCRETE. CARE SHOULD BE TAKEN DURING EXCAVATION AND CONSTRUCTION TO MINIMIZE DISTURBANCE OF THE BEARING SOILS THE CONCRETE SHOULD BE PLACED AS SOON AS POSSIBLE AFTER EXCAVATION TO PREVENT EXCESSIVE DRYING OR WETTING OF THE EXCAVATION.
15. FOR APPLICABLE CODES AND STANDARDS, MATERIAL STRENGTHS AND CONSTRUCTION REQUIREMENTS, SEE GENERAL STRUCTURAL NOTES AND SPECIFICATIONS.
16. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION - RESOLVE ANY DISCREPANCY WITH ARCHITECT. DO NOT SCALE DRAWINGS.
17. FOR CLARITY, ALL EXTERIOR SLABS AND SIDEWALKS MAY NOT BE SHOWN. FOR EXACT DIMENSIONS, LOCATIONS, JOINTS AND SCORE LINES, SEE ARCHITECTURAL DRAWINGS.
18. FOR CLARITY, ALL ROOF, FLOOR AND WALL OPENINGS MAY NOT BE SHOWN ON STRUCTURAL DRAWINGS. FOR EXACT SIZE, NUMBER AND LOCATION OF OPENINGS, SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. FOR FRAMING AT OPENINGS, SEE TYPICAL STRUCTURAL DETAILS. VERIFY ALL SIZES, WEIGHTS AND LOCATIONS OF MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTS, ETC. WITH MECHANICAL AND ELECTRICAL ENGINEERS THROUGH ARCHITECT.
19. DETAILS MARKED "TYPICAL" MAY OR MAY NOT BE CUT ON PLANS, BUT SHALL APPLY UNLESS NOTED OTHERWISE.

CAST IN PLACE CONCRETE

1. PERFORM AND FABRICATE CONCRETE REINFORCING WORK IN ACCORDANCE WITH STANDARD SPECIFICATION SECTON 505.I
   - PERFORM CAST-IN-PLACE CONCRETE WORK IN ACCORDANCE WITH STANDARD SPECIFICATION SECTIONS 501 & 502.
2. PERFORM CONCRETE TESTING PER STANDARD SPECIFICATION SECTION 710 & 715.

ROUGH CARPENTRY

1. SECTION INCLUDES STRUCTURAL FLOOR, WALL, AND ROOF FRAMING; BUILT-UP STRUCTURAL MEMBERS; TRUSSES; WALL AND ROOF SHEATHING; SUBFLOOR SHEATHING; PRESERVATIVE AND FIRE RETARDANT TREATMENT; SILL GASKETS. FLASHINGS; AND ROOF CURBS AND CANTS; BLOCKING IN WALL AND ROOF OPENINGS; WOOD FURRING AND GROUNDS; ELECTRICAL PANEL BACK BOARDS, CONCEALED WOOD BLOCKING.
2. PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING:
   - LUMBER GRADING AGENCY: CERTIFIED BY DOC PS 20.
   - WOOD STRUCTURAL PANEL GRADING AGENCY: CERTIFIED BY EWA - THE ENGINEERED WOOD ASSOCIATION.
   - LUMBER: DOC PS 20.
   - WOOD STRUCTURAL PANELS: DOC PS 1 OR DOC PS 2.
3. FIRE RATED CONSTRUCTION: RATING AS INDICATED ON DRAWINGS
   - TESTED RATING: DETERMINED IN ACCORDANCE WITH ASTM E119.
4. LUMBER GRADING RULES: WWPA G-5.
5. BEAM FRAMING: DFL SPECIES, #2GRADE, 19 PERCENT MAXIMUM MOISTURE CONTENT.
6. JOIST FRAMING: DFL SPECIES, #2GRADE, 19 PERCENT MAXIMUM MOISTURE CONTENT.
7. RAFTER FRAMING: DFL SPECIES, #2GRADE, 19 PERCENT MAXIMUM MOISTURE CONTENT.
8. NON-STRUCTURAL LIGHT FRAMING: SPF SPECIES, CONSTRUCTION GRADE, 19 PERCENT MAXIMUM MOISTURE CONTENT.
9. STUDDING: SPF SPECIES, STUD GRADE, 19 PERCENT MAXIMUM MOISTURE CONTENT.
10. SILL PLATE: PRESSURE TREATED.
11. PLYWOOD ROOF SHEATHING: RATED SHEATHING SPAN RATING AS REQUIRED FOR SPAN CONDITIONS; EXPOSURE DURABILITY 1.
12. PLYWOOD WALL SHEATHING: RATED SHEATHING, SPAN RATING AS REQUIRED FOR SPAN CONDITIONS; EXPOSURE DURABILITY 1.
13. GYPSUM WALL SHEATHING: ASTM C1396/C1396M; TYPE X FIRE RESISTANT, 5/8 INCH THICK, 48 X 96 INCH SIZED SHEETS, SQUARE EDGES, WATER REPELLANT PAPER FACES.
14. PLYWOOD FLOOR SHEATHING: APA RATED SHEATHING, STRUCTURAL I, STURD-I FLOOR SPAN RATING AS REQUIRED BY SPAN CONDITIONS; EXPOSURE DURABILITY 1.
15. TELEPHONE AND ELECTRICAL PANEL BOARDS: PLYWOOD.
16. PLYWOOD UNDERLAYMENT: RATED SHEATHING, SPAN RATING AS REQUIRED BY SPAN CONDITIONS; EXPOSURE DURABILITY 1.
17. SLOPED ROOF SHEATHING: 5/8 INCH THICK, 48 X 96 INCH SIZED SHEETS, SQUARE EDGES.
18. FLAT ROOF SHEATHING: 3/4 INCH THICK, 48 X 96 INCH SIZED SHEETS, SQUARE EDGES.
19. ABOVE GRADE WALL SHEATHING: 1/2 INCH THICK, 48 X 96 INCH SIZED SHEETS, SQUARE EDGES.
20. FLOOR SHEATHING: 3/4 INCH THICK, 48 X 96 INCH SIZED SHEETS, TONGUE AND GROOVE EDGES.
21. FLOOR UNDERLAYMENT: ½ INCH THICK, 48 X 96 INCH SIZED SHEETS.
22. FIREBLOCKING: SOLID LUMBER, STRUCTURAL WOOD PANEL, OR PARTICLEBOARD.
   - SOLID LUMBER NOMINAL 2 INCHES THICK.
   - TWO LAYERS OF SOLID LUMBER NOMINAL 1 INCH THICK WITH BROKEN LAPPED JOINTS.
   - STRUCTURAL WOOD PANEL 23/32 INCH THICK WITH JOINTS BACKED BY STRUCTURAL WOOD PANEL.
   - PARTICLEBOARD 3/4 INCH THICK WITH JOINTS BACKED BY PARTICLEBOARD.
23. DRAFTSTOPPING: MINIMUM 1/2 INCH THICK GYPSUM BOARD, 3/8 INCH THICK WOOD STRUCTURAL PANEL OR 3/8 INCH THICH PARTICLEBOARD.
24. FASTENERS AND ANCHORS:
   - FASTENERS: HOT DIPPED GALVANIZED STEEL FOR HIGH HUMIDITY AND TREATED WOOD LOCATIONS, UNFINISHED STEEL ELSEWHERE.
   - NAILS AND STAPLES: ASTM F1667.
25. DIE STAMPED CONNECTORS: GALVANIZED STEEL.
26. STRUCTURAL FRAMING CONNECTORS: JOIST HANGERS: GALVANIZED STEEL, SIZED TO SUIT FRAMING CONDITIONS.
27. SILL GASKET ON TOP OF FOUNDATION WALL: PLATE WIDTH, CLOSED CELL FOAM STRIP.
28. SILL FLASHING (UNDER SILL GASKET): GALVANIZED STEEL.
29. SUBFLOOR GLUE: APA AFG-01, WATER BASE, WATERPROOF.
30. BUILDING PAPER: ASTM D226, TYPE II, NO. 30, UNPERFORATED ASPHALT FELT.
31. WOOD PRESERVATIVE (PRESSURE TREATMENT): AWPA TREATMENT C1 USING WATER BORNE PRESERVATIVE WITH 0.25 PCF RETENTION.
32. MOISTURE CONTENT AFTER TREATMENT: KILN DRIED (KDAT).
   - LUMBER: MAXIMUM 19 PERCENT.
   - STRUCTURAL PANELS: MAXIMUM 15 PERCENT.
33. SET STRUCTURAL MEMBERS LEVEL AND PLUMB, IN CORRECT POSITION.
34. FASTEN FRAMING IN ACCORDANCE WITH APPLICABLE CODE.
35. PLACE HORIZONTAL MEMBERS CROWN SIDE UP.
36. PLACE FULL WIDTH CONTINUOUS SILL FLASHING ON FOUNDATIONS.
37. PLACE SILL GASKET DIRECTLY ON SILL FLASHING.
38. FRAME DOUBLE JOIST HEADERS AT FLOOR AND CEILING OPENINGS. FRAME RIGIDLY INTO JOISTS. FRAME DOUBLE JOISTS UNDER WALL STUDDING.
39. BRIDGE JOISTS IN EXCESS OF 8 FEET SPAN AT MID-SPAN OF MEMBERS. FIT BRIDGING AT ENDS OF MEMBERS.
40. CURB ROOF OPENINGS EXCEPT WHERE CURBS ARE PROVIDED. CONSTRUCT CURB MEMBERS OF SINGLE PIECES FOR EACH SIDE.
41. INSTALL GYPSUM SHEATHING IN ACCORDANCE WITH ASTM C1280.
42. FASTEN SHEATHING IN ACCORDANCE WITH APPLICABLE CODE.
43. INSTALL SUBFLOOR SHEATHING WITH LONGER EDGE PERPENDICULAR TO FLOOR FRAMING WITH END JOINTS STAGGERED. SECURE SHEET EDGES OVER FIRM BEARING. ATTACH SHEATHING WITH [SUBFLOOR GLUE AND] GYPSUM BOARD SCREWS AT FLOOR APPLICATIONS
44. PLACE BUILDING PAPER BETWEEN UNDERLAYMENT AND SUBFLOORING.
45. SECURE WALL SHEATHING WITH ENDS STAGGERED, OVER FIRM BEARING.
46. PLACE BUILDING PAPER OVER WALL SHEATHING, WEATHER LAP JOINTS AND END LAPS. STAPLE IN PLACE. COORDINATE FLASHING INSTALLATION TO ENSURE CONTINUOUS WATER RESISTANT BARRIER.
47. USE SHEATHING CLIPS BETWEEN SHEETS BETWEEN ROOF FRAMING MEMBERS.
48. INSTALL TELEPHONE AND ELECTRICAL PANEL BACK BOARDS WITH PLYWOOD SHEATHING MATERIAL WHERE REQUIRED. SIZE BACK BOARD BY 12 INCHES BEYOND SIZE OF ELECTRICAL PANEL.
49. INSTALL FIREBLOCKING TO CUT OFF CONCEALED DRAFT OPENINGS.
   - CONCEALED FRAMED WALL AND FURRED SPACES: INSTALL FIREBLOCKING VERTICALLY AT FLOOR AND CEILING LEVELS AND HORIZONTALLY AT MAXIMUM 10 FEET ON CENTER.
   - CONNECTIONS BETWEEN HORIZONTAL AND VERTICAL SPACES: INSTALL FIREBLOCKING BETWEEN VERTICAL WALLS AND PARTITIONS AND THE FOLLOWING:
   - HORIZONTAL FLOOR AND ROOF FRAMING.
   - SOFFITS, DROPPED CEILINGS, COVE CEILINGS AND OTHER HORIZONTAL CONCEALED SPACES.
   - STAIRS: INSTALL FIREBLOCKING BETWEEN STAIR STRINGERS AT TOP AND BOTTOM OF EACH RUN.
   - EXTERIOR COMBUSTIBLE ARCHITECTURAL TRIM: INSTALL FIREBLOCKING AT MAXIMUM 20 FEET ON CENTER.
51. INSTALL DRAFTSTOPPING IN FLOORS AND AT LOCATIONS INDICATED ON DRAWINGS.
   - FLOORS: IN LOCATIONS TO LIMIT EACH AREA TO 1000 SF.
   - ATTICS: IN LOCATIONS TO LIMIT EACH AREA TO 3000 SF.
52. TREAT SITE-SAWN CUTS. BRUSH APPLY TWO COATS OF PRESERVATIVE TREATMENT ON UNTREATED WOOD IN CONTACT WITH CEMENTITIOUS MATERIALS ROOFING AND RELATED METAL FLASHINGS. ALLOW PRESERVATIVE TO CURE PRIOR TO ERECTING MEMBERS.

SHOP-FABRICATED WOOD TRUSSES

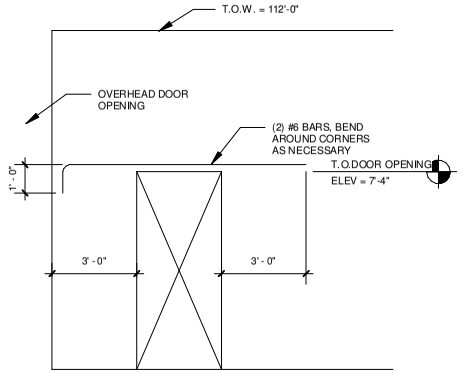
1. SECTION INCLUDES SHOP FABRICATED WOOD TRUSSES FOR ROOF; BRIDGING, BRACING, AND ANCHORAGE; AND PRESERVATIVE TREATMENT OF WOOD.
2. DESIGN LOADING SHALL BE ACCORDING TO APPLICABLE BUILDING CODES WITH DEFLECTIONS
3. PROVIDE TRUSS OPENINGS TO ACCOMMODATE MECHANICAL DUCTS.
4. SUBMITTALS:
   - SHOP DRAWINGS: INDICATE SIZES AND SPACING OF TRUSSES AND ASSOCIATED COMPONENTS, WEB AND CHORD SIZES, PLATE SIZES, FASTENER DESCRIPTIONS AND SPACINGS, LOADS AND TRUSS CAMBERS, FRAMED AND OPENINGS. SUBMIT STAMPED DESIGN CALCULATIONS.
   - PRODUCT DATA: PROVIDE TRUSS CONFIGURATIONS, BEARING AND ANCHOR DETAILS, BRIDGING AND BRACING.
5. PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING:
   - LUMBER GRADING AGENCY: CERTIFIED BY DOC PS 20.
   - WOOD STRUCTURAL PANEL GRADING AGENCY: CERTIFIED BY EWA - THE ENGINEERED WOOD ASSOCIATION.
   - LUMBER: DOC PS 20.
   - WOOD STRUCTURAL PANELS: DOC PS 1 OR DOC PS 2.
   - TRUSS DESIGN, FABRICATION, AND INSTALLATION: IN ACCORDANCE WITH TPI 1.
8. FIRE RATED CONSTRUCTION: RATING AS INDICATED ON DRAWINGS.
   - TESTED RATING: DETERMINED IN ACCORDANCE WITH ASTM E119.
9. MANUFACTURER: COMPANY SPECIALIZING IN MANUFACTURING SHOP FABRICATED WOOD TRUSSES WITH MINIMUM THREE YEARS EXPERIENCE.
10. DESIGN TRUSSES UNDER DIRECT SUPERVISION OF PROFESSIONAL ENGINEER EXPERIENCED IN DESIGN OF THIS WORK AND LICENSED AT PROJECT LOCATION. SUBMIT STAMPED CALCULATIONS AND LAYOUT DRAWINGS FOR SUBMISSION TO THE STATE OF WISCONSIN
11. LUMBER GRADING RULES: WWPA G-5.
12. WOOD MEMBERS: SINGLE TOP AND BOTTOM CHORD, DFL SPECIES #2 GRADE OR BETTER. 19 PERCENT MAXIMUM AND 7 PERCENT MINIMUM MOISTURE CONTENT.
13. STEEL PLATE CONNECTORS SHALL BE TPI 1, SECTION 6; HOT DIP, GALVANIZED; DIE STAMPED WITH INTEGRAL TEETH.
14. TRUSS BRIDGING: TYPE, SIZE AND SPACING RECOMMENDED BY TRUSS MANUFACTURER.
15. WOOD BLOCKING SHALL BE SOFTWOOD LUMBER, S/P/F SPECIES, CONSTRUCTION GRADE, 19 PERCENT MAXIMUM AND 7 PERCENT MINIMUM MOISTURE CONTENT.
16. FASTENERS AND ANCHORS:
   - FASTENERS: HOT DIPPED GALVANIZED STEEL FOR HIGH HUMIDITY AND TREATED WOOD LOCATIONS, UNFINISHED STEEL ELSEWHERE.
   - NAILS AND STAPLES: ASTM F1667.
   - ANCHORS: TOGGLE BOLT TYPE FOR ANCHORAGE TO HOLLOW MASONRY.EXPANSION SHIELD AND LAG BOLT TYPE FOR ANCHORAGE TO SOLID MASONRY OR CONCRETE. BOLT OR BALLISTIC FASTENER FOR ANCHORAGES TO STEEL.
17. FABRICATE TRUSSES TO ACHIEVE STRUCTURAL REQUIREMENTS SPECIFIED.
18. FURNISH BOTTOM AND TOP CHORD EXTENSIONS AS INDICATED ON DRAWINGS.
19. FABRICATE TO ACHIEVE MINIMUM END BEARING OF:
   - 3 1/2 INCHES ON STEEL.
   - 3 1/2 INCHES ON MASONRY.
   - 5 1/2 INCHES ON WOOD.
20. FRAME SPECIAL SIZED OPENINGS IN WEB FRAMING AS REQUIRED BY MECHANICAL SYSTEMS.
21. VERIFY SUPPORTS AND OPENINGS ARE READY TO RECEIVE TRUSSES.
22. COORDINATE PLACEMENT OF BEARING SUPPORT ITEMS.
23. SET MEMBERS LEVEL AND PLUMB, IN CORRECT POSITION.
24. MAKE PROVISIONS FOR ERECTION LOADS, AND FOR SUFFICIENT TEMPORARY BRACING TO MAINTAIN STRUCTURE PLUMB, AND IN INDICATED ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.
25. DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF ARCHITECT/ENGINEER.
26. PLACE HEADERS AND SUPPORTS TO FRAME OPENINGS.
27. COORDINATE PLACEMENT OF DECKING SHEATHING WITH WORK OF THIS SECTION.
28. AFTER ERECTION, TOUCH-UP DAMAGED SURFACES WITH PRIMER CONSISTENT WITH SHOP COAT.
29. BRUSH APPLY TWO COATS OF PRESERVATIVE TREATMENT ON WOOD IN CONTACT WITH CEMENTITIOUS MATERIALS AND ROOFING AND RELATED METAL FLASHINGS. TREAT SITE-SAWN CUTS.
30. ALLOW PRESERVATIVE TO DRY PRIOR TO ERECTING MEMBERS.

Addendum No. 01
ID 6707-02-81
Revised Sheet 14
June 30, 2016

PROJECT NO: 6707-02-81	NON HWY:SALT STORAGE FACILITY	COUNTY: COLUMBIA	BUILDING DETAILS: STRUCTURAL NOTES	SHEET 14 E

FILE NAME : S:\PROJECTS\C22010 - COLUMBIA COUNTY CAMBRIA HIGHWAY SHOP\CADD\CAMBRIA SALT STORAGE\SALT SHED STRUCTURAL NOTES -DOT DETAIL BORDER.DWG
LAYOUT :
PLOT DATE : 6/30/2016
PLOT TIME : 1:31:49 PM
PLOT BY : RING, ANDREA
PLOT SCALE : 0.632353

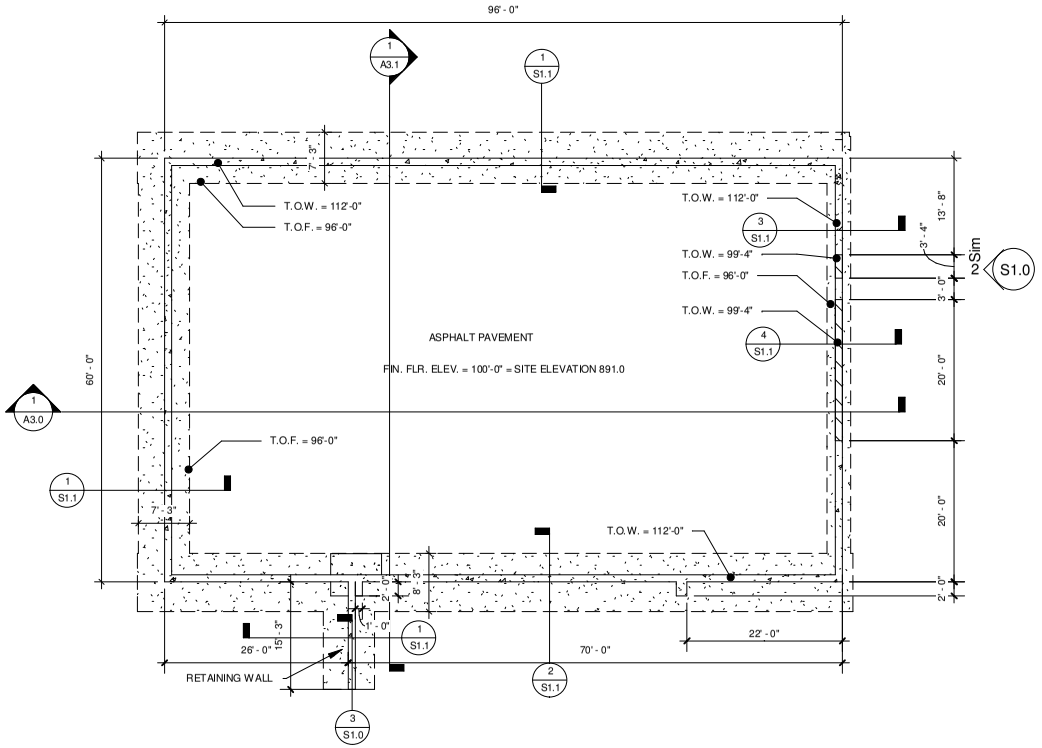
Addendum No. 01
ID 6707-02-81
Revised Sheet 15
June 30, 2016



2 S1.0 DOOR HEADER REINFORCING
NOT TO SCALE

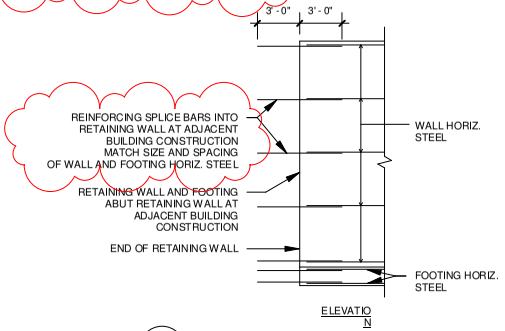
NOTE:
ALL STEEL REINF. SHALL BE EPOXY COATED.

FOUNDATION CONTRACTOR TO COORDINATE EXACT CONCRETE DIMENSIONS WITH WOOD ROOF STRUCTURE SUPPLIER.



1 S1.0 FOUNDATION PLAN
1/16" = 1'-0"

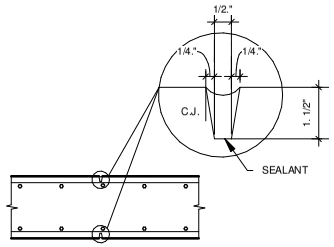
NOTE:
RETAINING WALL TO CONNECT TO SHOP BUILDING RETAINING WALL.



3 S1.0 RETAINING WALL SPLICE DETAIL
N.T.S.

PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	BUILDING DETAILS: FOUNDATION PLAN	SHEET	E

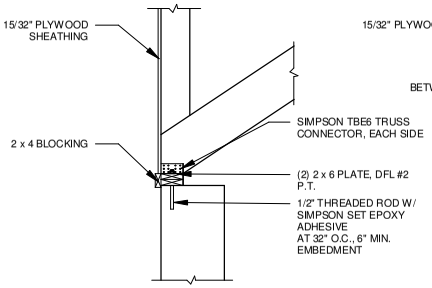
FILE NAME : S:\PROJECTS\C22010 COLUMBIA COUNTY CAMBRIA HIGHWAY SHOP\CADD FILES\REVIT FILES\DOT LAYOUT TITLEBLOCK\DOT DETAIL BORDER.DWG
PLOT DATE : ----
PLOT TIME : ----
PLOT BY : RING, ANDREA
PLOT SCALE : 1" = 1'

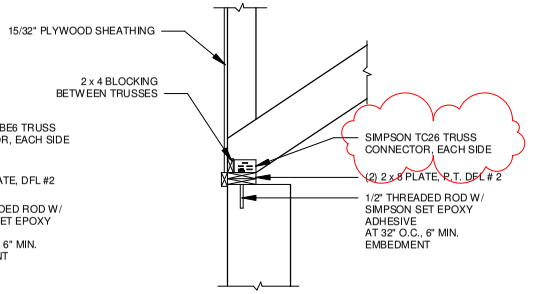


TYPICAL CONTROL JOINT

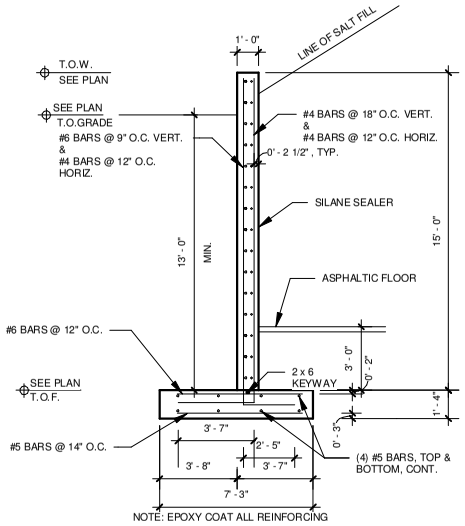
NOTES:
1. FILL JOINT WITH SEALANT.
2. OVER LONG FOUNDATION SPANS EQUALLY SPACE CONTROL JOINTS.
3. COORDINATE CONCRETE FINISH WITH ARCHITECTURAL DRAWINGS.
4. LIMIT SPACING TO 40'-0".
5. CONTROL JOINTS SHOULD COINCIDE WITH MASONRY CMU OR PRECAST. VENEER CONTROL JOINTS WHERE APPLICABLE.

5 FOUNDATION WALL CONTROL JOINT DETAIL
S1.1 N.T.S.

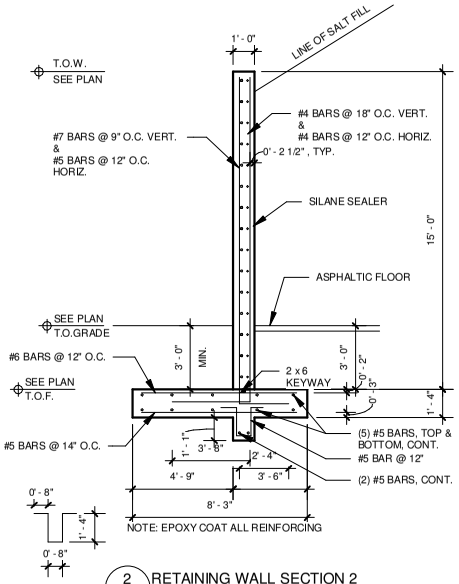




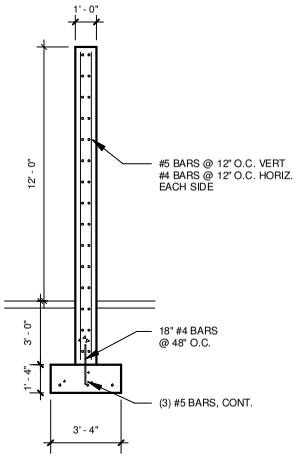
6 TYPICAL TRUSS BEARING DETAILS
S1.1 N.T.S. VERIFY W/ TRUSS MANUFACTURER



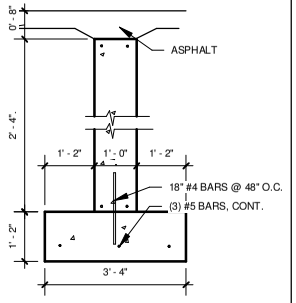
1 RETAINING WALL SECTION 1
S1.1 N.T.S.



2 RETAINING WALL SECTION 2
S1.1 N.T.S.



3 CONCRETE WALL
S1.1 N.T.S.



4 CONCRETE WALL SECTION1
S1.1 N.T.S.

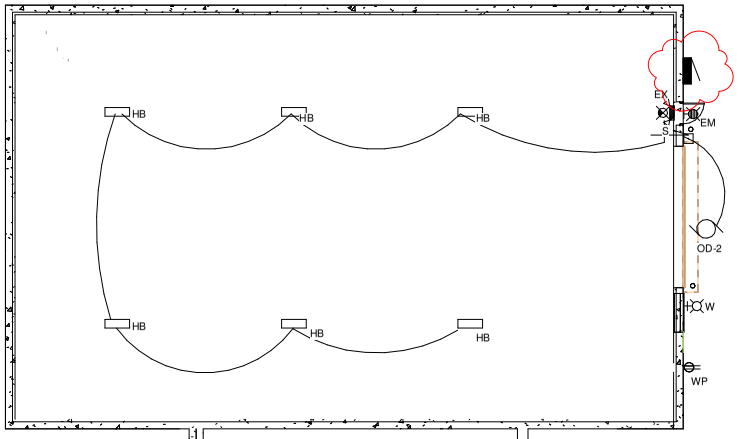
Addendum No. 01
ID 6707-02-81
Revised Sheet 16
June 30, 2016

PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	BUILDING DETAILS: STRUCTURAL DETAILS	SHEET	E

FILE NAME : S:\PROJECTS\C22010 COLUMBIA COUNTY CAMBRIA HIGHWAY SHOP\CADD FILES\REVIT FILES\DOT LAYOUT TITLEBLOCK\DOT DETAIL BORDER.DWG
PLOT DATE : ----
PLOT TIME : ----
PLOT BY : RING, ANDREA
PLOT SCALE : 1" = 1'

2

2



1 ELECTRICAL PLAN
E1.0 1/16" = 1'-0"

Addendum No. 01
ID 6707-02-81
Revised Sheet 18
June 30, 2016

SYMBOLS LIST:

MOUNTING HEIGHTS FOR DEVICES AND EQUIPMENT TO BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE.

LIGHTING:

HB - HIGH BAY LED W/ FIXTURE, METALUX VT4LED-LD4-23-DR-UNV-L840-CD2-WL-SSL-MSO/WL-U OR LITHONIA FHE - 20000LM-ACL-MD-120-GZ10-40K-80CRI/FHEMHKB/CMRB 6 ADC P LT

A - #
- CIRCUIT NUMBER
- FIXTURE DESIGNATION (SEE SCHEDULE THIS SHEET)

W - EXTERIOR WALL SCONCE, LED W/ FIXTURE, GARDCO, 121-EP2-4-35LA-2-3235-NW-120-BLP-PCB, LITHONIA, MCGRAW-EDISON
- SHADING INDICATES FIXTURE PROVIDED WITH BATTERY BACKUP

EW - EXIT/EGRESS, EMERGI-LITE, WW-SVX24N-1-R-D-4X-2-MK-CW4, KENALL, FAIL-SAFE

EM-EXTERIOR EGRESS, LED W/FIXTURE, LITHONIA, AFN-B-EXT-FWD, ISOLITE, CHLORIDE

a SINGLE POLE SWITCH - TOGGLE TYPE - MOUNT AT 44" AFF, UNLESS NOTED OTHERWISE
- SWITCH DESIGNATION

POWER:

3 WP GROUND FAULT INTERRUPTING DUPLEX RECEPTACLE - MOUNTED AT 48" AFF UNLESS NOTED OTHERWISE.
- WEATHER PROOF
- CIRCUIT NUMBER

MOTOR CONNECTION - SEE MANUFACTURER'S RECOMMENDATIONS

EQUIPMENT CONNECTION - SEE MANUFACTURER'S RECOMMENDATIONS

PUSH BUTTON CONTROL

GENERAL:

ELECTRICAL PANEL - CONNECT TO CONDUIT AND CONDUCTORS FROM ADJACENT COUNTY HIGHWAY GARAGE

SEE KEYED NOTE SYMBOL

PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	BUILDING DETAILS: ELECTRICAL PLAN	SHEET	E

FILE NAME : S:\PROJECTS\C22010 COLUMBIA COUNTY CAMBRIA HIGHWAY SHOP\CADD FILES\REVIT FILES\DOT LAYOUT TITLEBLOCK\DOT DETAIL BORDER.DWG
PLOT DATE : ----
PLOT TIME : ----
PLOT BY : RING, ANDREA
PLOT SCALE : 1" = 1'