

GENERAL SERVICES COMMITTEE Minutes – March 2, 2021

<u>Call to Order</u>. Chair Potter called the meeting of the General Services Committee to order at 7:34 A.M., Tuesday, March 2, 2021 at the DPW Garage, 3503 E. CTY RD S, Beloit, WI.

Committee Members Present: Supervisors Potter, Wilson, Homan and Brien.

Committee Members Absent: Supervisor Fox.

<u>Staff Members Present</u>: Randy Terronez, Assistant to the County Administrator; Brent Sutherland, Facilities Management Director; Dave Froeber and Mike Parille, Facilities Superintendents, and Duane Jorgenson, DPW Director.

Others Present: Brian Zobel, UW Whitewater at Rock County.

<u>Approval of Agenda</u>. Supervisor Homan moved approval of the agenda, second by Supervisor Wilson. ADOPTED.

<u>Approval of Minutes – February 16, 2021.</u> Supervisor Brien moved approval of the minutes of February 16, 2021 as presented, second by Supervisor Homan. ADOPTED.

<u>Public Comment.</u> No comments were submitted.

Transfers. None.

Review of Payments. The committee reviewed the payments.

Resolutions and Committee Approval

Awarding Contract for the DPW Wash Bay Renovations

"NOW, THEREFORE, BE IT RESOLVED, that the Rock County Board of Supervisors duly assembled this _____ day of _____, 2021 does hereby approve and authorize awarding a contract in the amount of \$185,225.00 to Advanced Building Corporation of McFarland, Wisconsin, for the DPW Wash Bay Renovations.

BE IT FURTHER RESOLVED, that a \$9,250.00 contingency also be approved to cover any unforeseen items."

Supervisor Brien moved approval of the above resolution, second by Supervisor Homan as amended – Line 10 replace \$185,225,000 with \$185,225.00. ADOPTED.

Awarding Contract for Engineering for Boiler Replacements and Energy Efficiency Upgrades at Rock County Courthouse

"NOW, THEREFORE, B	E IT RESOLVED by t	he Rock County Board of Supervisors duly
assembled this	day of	, 2021, and awards a contract for
engineering to replace boile	ers and provide energy e	fficiency improvements at the Rock County
Courthouse in the amount o	f \$29,000.00, to Johnson	Controls, Inc., of Madison, WI."

Supervisor Wilson moved approval of the above resolution, second by Supervisor Brien. ADOPTED.

Updates, Discussion and Possible Action.

Update on Dr. Daniel Hale Williams Rock County Resource Center Project

<u>Approval of Change Orders</u> Mr. Sutherland distributed Change Order # 5 in the amount of \$34,600 and consisted of HVAC bipolar ionization units (\$30,000) and TV monitor installation (\$4,600) and covers the purchase/installation.

Supervisor Wilson moved approval of Change Order #5 in the amount of \$34,600.00, second by Supervisor Brien. ADOPTED

<u>Schedule</u> Mr. Sutherland reported that the project is on schedule for substantial completion in July.

Update on DPW Garage at Shopiere

<u>Approval of Change Order.</u> Mr. Sutherland distributed Change Order #26 in the amount of \$502.70 and consisted of electrical connection to Hand Wash Sink.

Supervisor Homan moved approval of Change Order #26 in the amount of \$502.70 second by Supervisor Wilson. ADOPTED

<u>Denied Change Orders</u> Mr. Sutherland distributed handouts and reviewed with the Committee the background for the following denied change orders.

- Change Order #9 Salt Storage Foundation Extras for Rebar and Concrete \$33,385.19
- Change Order #22 Concrete heat charges and additives \$10,798.63
- Change Order #23 Temporary Heat \$13,083.61

If not informally resolved, the County used a construction contract that calls for disputes over change orders to be taken to a court proceeding.

Schedule Mr. Sutherland reported that some final items are yet to be completed.

<u>Courthouse Fire Alarm System Upgrade</u> Given the project covers the equipment/supplies and labor with the County acting as the general contractor, Mr. Sutherland reviewed the following Change Orders:

• Change Order #1 Omni Technologies LLC \$9,981.51 Design Change-equipment

Supervisor Homan moved approval of Change Order #1 Omni Technologies LLC in the amount of \$9,981.51 second by Supervisor Wilson. ADOPTED

• Change Order #1 Electric Construction, Inc. \$17,803.94 Design change-labor

Supervisor Homan moved approval of Change Order #1 Electric Construction, Inc. in the amount of \$17,803.94 second by Supervisor Wilson. ADOPTED

Next Steps for Job Center Building Once it is Vacant

Mr. Sutherland reported that per direction given at the last Committee meeting, he plans on bringing a proposal for a real estate broker to the next Committee meeting.

<u>Master Electrician Update</u> Mr. Sutherland informed the Committee that the individual hired no longer is employed with the County. The department will be recruiting for a journeyman-level electrician with the requirement that the hired individual get their master electrician license within 2 years of employment.

<u>Communications, Announcements and Information.</u> Duane Jorgenson, DPW Director introduced himself to the Committee and thanked the Committee and Brent Sutherland/Facilities Management staff for the Shopiere Garage construction. It will be a great addition to DPW operations.

<u>Tour of DPW Shopiere Garage Facility</u> Mr. Sutherland and Duane Jorgenson, DPW Director led the Committee on a tour of the facility. (Note: Chair Potter left the meeting at 9:00 a.m.)

<u>Adjournment</u>. Supervisor Wilson moved adjournment at 9:06 A.M., second by Supervisor Homan. ADOPTED.

Respectfully submitted,

Randy Terronez Assistant to the County Administrator

NOT OFFICIAL UNTIL APPROVED BY COMMITTEE



COUNTY OF ROCK, WISCONSIN CHANGE ORDER FORM

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CHANGE ORDER NUMBER	(26)	
PROJECT NUMBER	2020-25	
PROJECT NAME	New Vehicle Storage Building and Site	
	Improvements Rock County	
PURCHASE ORDER NUMBER	P2001461	
CONTRACTOR NAME	Corporate Contractors Inc	
ARCHITECT FIRM & CONTACT	Angus-Young Associates, Inc.	
	Bradley Werginz B. Werginz @angusyoung.com	
A/E JOB NUMBER	61670	
DISTRIBUTION	OWNER Brent.Sutherland@co.rock.wi.us	
	CONTRACTOR Dylan.Adel@cciwi.com	
	FILE	
	OTHER B.Werginz@angusyoung.com	
Project, with the contract amount being a stated below. DESCRIPTION: RFI 49 - Electrical connection to Hand Wash Sink	adjusted by Contract Change Order amount (s)	
ORIGINAL CONTRACT SUM	\$4,241,500.00	
PREVIOUS CHANGE ORDERS AMOUNT	\$ 210,620.77	
CURRENT CHANGE ORDER AMOUNT	\$502.70	
NEW CONTRACT SUM	\$ 4,452,623.47	
CONTRACTOR SIGNATURE		
OWNER SIGNATURE	Brent Sutherland	

ARCHITECT / ENGINEER SIGNATURE	I mad the	2.26.21



COUNTY OF ROCK, WISCONSIN CHANGE ORDER FORM

CHANGE ORDER NUMBER	#5
PROJECT NUMBER	JPC- 5889
PROJECT NAME	Rock County Human Services Building
PURCHASE ORDER NUMBER	
ARCHITECT FIRM & CONTACT	Venture Architect Jack Blume
A/E JOB NUMBER	
DISTRIBUTION	OWNER CONTRACTOR FILE OTHER
We propose to provide the following char Project, with the contract amount being a stated below.	nge (s) to our contract for the above reference adjusted by Contract Change Order amount (s)

DESCRIPTION:

- Installation of HVAC Air Filtration Equipment Bipolar Ionization GPS Units \$30,000
 Installation of 46 Owner Provided Wall Mounted TVs Delivered to Rooms by Others-\$4,600
- Contract Amount Previous to CO#5 \$21,233,705

\$21,531,921
credit of (\$298,216)
\$34,600
\$21,268,305
Be Bd

Hardout 3-2-21

Rock County DPW Shopiere garage approved and denied Change orders are below.

CO#1 \$20,072.26 RFP01 REV01 moving the building

CO#2 \$ -325 credit RFP02

CO#3 \$12,865.70 Undercut vehicle storage building

CO#4 \$2,919.40 dewatering

CO#5 \$1,320 add gate stiffeners

CO#6 \$ 61,344.92 salt shed undercut due to poor soil conditions

CO#7 \$\$3,614.44 sanitary drain revisions

CO#8 \$ \$2,251.54 add additional microwave circuits

CO#9 (CCI Pending Change order # 8) Denied \$33,385.30 for extra concrete and rebar for the salt shed

CO#10 \$ 3,740.00 Salt shed foundation sealer

CO#11 \$ 5,414.52 RFP 5 requested asphalt removal initiated by Angus Young

CO#12 \$26,555.10 adding the holding tank

CO#13 \$39,778.75 Undercut inside of the salt shed

CO#14 \$ 1,320 direct burial of loops verses saw cut

CO#15-(CCI Pending Change order # 16) \$4,167.46 additional work per plans on Sheet C101

CO#16- \$5,458.96 cone ties and labor

CO#17- \$3,084.05 Electrical feed for septic tank alarm

CO#18-\$1,294.17 Rough in for 5 thermostat

CO#19-\$957.43 Mezzanine floor had to be poured thicker than the plan- Extra Concrete

CO#20-\$1,337.36 Exit /EM lighting for Salt shed

CO#21-\$2,551.12 Alternate Wash bay doors

CO#22- (CCI Pending Change order # 23) Denied \$10, 798.63 Concrete heat charges and additives

CO#23 (CCI Pending Change order # 24) Denied \$13,082.61 Temp Heat

CO CO##23-\$14,960. Adding Sno- Guard to salt shed roof. Goes to committee tomorrow 2/16 for approval (I signed and gave approval before getting the required committee approval on error)

CO#24-- \$ 1,526.05 adding transformer for air compressor 115 V power supply

CO#25-\$-1,320 credit to not install the gate stiffener initiated by CO #5

CO#25 (CCI Pending Change order # 27) \$2,591.34 Denied additional access controls

Brent Sutherland

From:

Brent Sutherland

Sent:

Tuesday, January 26, 2021 10:17 AM

To:

'Jennifer Holmes'

Cc:

Dylan Adel; Tatiana Arreguin RE: RCVSB Change Order Form 23

Subject: Attachments:

RCVSB Change Order Form 23.pdf

Dylan,

I will not approve the attached Change order. Below is the section in the specifications showing this to be your responsibility. I am not happy with the direction you are heading with change orders.

General Contractor:

- a. Provide temporary window and door closures as required and closures for all other temporary openings. Supervise effectiveness of all closures and see that every reasonable precaution is used to prevent escape of heat.
- Permanent heating system may be used for temporary heating once the permanent heating system, heating controls, concrete installation, concrete curing, concrete saw-cutting, and masonry saw-cutting have been completed.
- c. If the permanent system is not operable and the building is enclosed and heating is required, then the General Contractor shall furnish and install a

New Vahicle Storage Building and Site Improvements PROJECT 61670 01 50 00 - 2

TEMPORARY
FACILITIES AND CONTROLS

temporary heating system.

- d. All portable heating units shall be properly ventilated to prevent combustion gases from remaining in the heated area.
- e. The General Contractor shall ascertain if temporary heating equipment will operate on the temporary electrical service available. If service is insufficient to operate equipment, the General Contractor shall make all other arrangements at no additional cost to the Owner.
- f. The temporary heating system shall be removed by the General Contractor after the permanent heating system has been installed, is operating, and balanced. Temporary heating equipment shall be relocated by the General Contractor as required during construction to prevent interference with new construction.
- g. Temperatures: Except as otherwise specified, a minimum temperature of 45 degrees F for the building shall be maintained until completion of the Project.
- h. Operation: Supervise and be responsible for operation of temporary heating system as required by weather and building conditions through the duration of construction. Be responsible for maintenance of temporary heating systems during period of construction and do any emergency repair work required during temporary operation.
- The Contractor shall pay for all fuel consumed and temporary heating equipment cost throughout the duration of construction until Substantial Completion at no additional cost to the Owner.

Thank you,

Brent's question,

Would you be so kind to answer a question in regards to a bid you submitted to Rock County #2020-25 New Vehicle storage building and site improvements for Rock County Department of Public works at 3503 E County Road S Beloit WI 53511 on May 19, 2020? You were a bidder. Our low bidder is asking for a change order for additional concrete and rebar costs for the salt shed foundation walls indicating his cement sub contract did not have the salt shed specifications at the time of the bid. My records show the general contractors were sent the attached specification on 5/13/2020. Did your subcontractor concrete cost in your bid for the salt shed include material and labor to build it according to the attached specifications? Was the attached specifications supplied to your concrete subcontractor by you? Thank you for your time.

PROJECTED TIMETABLE

Issue Invitation to Bid
Questions Due
Amendments Issued by
Bids Due
Evaluation of Bids
Governing Committee Approval
County Board Approval

04/21/2020 04/30/2020 - 12:00 noon 05/07/2020 - 5:00 p.m. 05/19/2020 - 1:30 p.m. 05/19/2020 - 06/02/2020 06/02/2020 06/11/2020

Response for other bidder,

I was actually quite surprised to hear back then we placed______ on this one because we went after this project pretty aggressively. The answer to your question is YES, the alternate price that was provided included concrete and concrete reinforcing for the salt building (based off these plans). The attachments you just shared with me were also made available to all bidders during the bid. I recall they were to be considered as the basis of design for the foundations of the salt building. So of the \$_____ alternate price, approximately \$144K worth of concrete foundations were included in that price. My estimate shows that I figured approximately 25 tons of reinforcing steel and 320 CY of concrete for the salt building. I can see them asking for the difference in concrete or rebar if the final drawings were different then the plans you just sent me, however it would be extremely unfair to all the contractors who took the time to bid this project if they get away claiming that they didn't include the foundations. I recall CCI's base bid being around \$____ less than mine and their alternate price was around \$____ less. Looking back, their alternate price didn't concern me at the time but I'd say it's far more likely they had an error in their base bid estimate and they're just trying to make up for it here. Their base bid was way less than my cost so this actually makes a lot of sense to me now.

Good luck with this one and I hope this information was helpful. I would appreciate you keeping my candor and response confidential though.

Brent Sutherland

From:

Bradley Werginz < B. Werginz@angusyoung.com>

Sent:

Monday, November 30, 2020 3:04 PM

To:

Brent Sutherland

Cc:

Michael Parille; JODI MILLIS; Jim Shebesta; Duane Jorgenson

Subject:

RE: Wheeler Quote: Rock County DPW - New Vehicle Storage Building and Site

Improvements

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Brent,

Your assessment below, of the change order request is accurate.

The corrective measures taken, with the installation of the concrete buttresses, has brought the performance parameters of the salt shed loading back within the specified requirements.

Thank you,

BRADLEY WERGINZ

AIA Principal Architect

O | 608.756.2326 // C | 608.751.7296 angusyoung.com // janesville | madison



From: Brent Sutherland <Brent.Sutherland@co.rock.wi.us>

Sent: Wednesday, November 25, 2020 5:19 PM **To:** Bradley Werginz < B. Werginz@angusyoung.com>

Cc: Michael Parille <Michael.Parille@co.rock.wi.us>; JODI MILLIS <JODI.MILLIS@co.rock.wi.us>; Jim Shebesta

<J.Shebesta@angusyoung.com>; Duane Jorgenson <Duane.Jorgenson@co.rock.wi.us>

Subject: FW: Wheeler Quote: Rock County DPW - New Vehicle Storage Building and Site Improvements

Importance: High

Bradlev.

Jake requested we don't share this with others. He feels caught in the middle and does not want to tarnish relationships with CCI or Rock County. I told him I will keep it to on and as need to know basis. Keeping in mind we are a government agency and a records request could force us to share. Below and above is what was sent to the list below of those who requested specifications. Mike Magill with CCI did request the specifications. The ones supplied does show the required concrete and rebar. My conversation with Kevin and Dylan, they stated the concrete guy is residential and just starting in commercial does good work but is on sight and doing bidding and may not have caught it. Kevin showed me the plans on Page A050 it states the "Reinforced concrete "T" wall designed by building manufacturer, installed by General Contractor. Design to be provided by building supplier during the bidding process" Kevin stated the specs should have

been right on the A050 drawing so it did not get missed. Jake supplied the specifications to CCI on May 13, 2020. Below was the project timetable. Based on the attached information Rock County will not approve Change order #9 request for an additional \$33,385.19 The salt shed specifications were provided during the bidding process to CCI as stated on the drawings A050 "Reinforced concrete "T" wall designed by building manufacturer, installed by General Contractor. Design to be provided by building supplier during the bidding process" Bradley will you please confirm what I am seeing and stated is accurate? Once you confirmed I will let CCI know I will not approve the Change order # 9 for \$33,385.19

I would also like to know if they corrected through Wheeler Engineers the J hooks every 1' verses every 6". If they did not correct this that means they also did not build it according to the specifications and we have filling restrictions. I clearly informed them I will not accept it with any restrictions. I assumed that correction was the extra rebar and concrete that caused the change order being requested, but I am not sure. Jim Shebesta was trying to think of a way to correct their mistake. The error was on 2 walls because Jim caught it before they did the other 2 walls. I spoke with Jake at Wheeler to see if there was any field engineering options that could be done to fix their mistake so we do not have any restrictions on filling the shed. Jake stated it had to be reviewed by the Wheeler engineers in house. I shared that with everyone involved.

PROJECTED TIMETABLE

Issue Invitation to Bid
Questions Due
Amendments Issued by
Bids Due
Evaluation of Bids
Governing Committee Approval
County Board Approval

04/21/2020 04/30/2020 - 12:00 noon 05/07/2020 - 5:00 p.m. 05/19/2020 - 1:30 p.m. 05/19/2020 - 06/02/2020 06/02/2020 06/11/2020

Thank you,

Brent Sutherland
Director -Facilities Management
Rock County
51 S. Main Street
Janesville WI, 53545
Office (608)757-5527
Fax (608)757-5539
Cell (608)931-1823
brent.sutherland@co.rock.wi.us
Glad to be Here!

From: Jake Silkey [mailto:jsilkey@wheeler1892.com]

Sent: Tuesday, November 24, 2020 9:16 AM

To: Brent Sutherland < <u>Brent.Sutherland@co.rock.wi.us</u>>

Subject: FW: Wheeler Quote: Rock County DPW - New Vehicle Storage Building and Site Improvements

Importance: High

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Brent,

Contacts quoted below. See email below for concrete information and bid plan attached.

bryan.henne@kphconstruction.com npaulson@paulsonkimball.com Jeremy@sullivandesignbuild.com tkelly@vogelbldg.com jwagner@scherrerconstruction.com bids@scherrerconstruction.com jvl.bidding@jpcullen.com mike.magill@cciwi.com D.Albrecht@t2contractingLLC.com tcianci@osmanconstruction.com cward@vogelbldg.com jeKlobucar@klobucarconstruction.com JiKlobucar@klobucarconstruction.com jamesg@gilbankconstruction.com kott@sjostromconstruction.com ilindert@abcmadison.com Kurt@jhhassinger.com john.kamuchey@Jhhassinger.com estimating@miron-construction.com

Sincerely,

Jake Silkey, PE | Sales Engineer – Engineered Products | Wheeler d. 262.229.4068 | jsilkey@wheeler1892.com

From: Jake Silkey

Sent: Wednesday, May 13, 2020 8:41 AM Cc: Jake Silkey < jsilkey@wheeler1892.com >

Subject: Wheeler Quote: Rock County DPW - New Vehicle Storage Building and Site Improvements

Importance: High

Good Morning,

Thank you for your interest in bidding the construction of a Wheeler Salt Storage Building for the Rock County Department of Public Works. Our material quotation should be available tomorrow. In the meantime, please find the attached documents.

- 1. **Preliminary Foundation Bid Plan**: Please use this plan for concrete and rebar take-offs for the building foundation. Please note foundation plan is preliminary and is subject to minor changes at the time of final design.
- 2. **Sample Building Plan**: Sample plan is being supplied to demonstrate the typical timber framing details. Please note building size differs, but most framing typical details will be the same.

Our quotation will identify our material inclusions and exclusions. Below is an additional list:

Included: Plans, Calculations, State DSPS Plan Review, Douglas Fir timber - QNAP treated (posts, planks, blockings, wall plywood, etc.), untreated lumber, roof trusses, roofing plywood, wooden louvers and all connecting galvanized hardware (Nails, Screws, Plates, Bolts, Concrete Anchors bolts, etc.)

Not Included: labor, electrical & lighting, concrete "T" wall brace/footing, overhead door, service door, metal roofing including soffit, fascia, rake trim & roof ventilation, roofing underlayment, translucent window panels, pipe bollards, gutters/downspouts, temporary building and roof truss bracing, or any site preparation.

I will follow-up with our quotation once complete. Please let me know if you have any immediate questions.

Thank you.

Sincerely,

Jake Silkey, PE | Sales Engineer – Engineered Products | Wheeler d. 262.229.4068 | jsilkey@wheeler1892.com

COMMITTED TO PERFORMANCE SINCE 1892

wheeler1892.com | LinkedIn

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SECTION 13 34 23 SALT STORAGE BUILDING

PART 1 - GENERAL

1.01 SUMMARY

Building shall be rectangular with walls cabled to each other to withstand lateral load of internal material pile without the aid of external wall bracing. The building shall have a shed roof, sliding doors for closure at one end.

- -168' Length
- -72' Width
- -30' Internal Vertical Height (eaves)
- -Capacity:

The building shall hold 8,000 tons salt based on 12' pile height at the wall and extending toward center of building at an angle not to exceed 2 horizontal to 1 vertical, for a maximum pile height of 25'. Area near entrance that is unsuitable for covered material storage due to natural angle of repose should be excluded from capacity calculations. Pile calculations should be based on material weight of 80 pcf for salt. Written calculations and pile diagrams must be provided.

1.02 QUALIFIED MANUFACTURER

A. Manufacturers other than those listed in this specification, to be eligible for award of bid, shall have at least ten (10) years of successful experience in the design and fabrication of salt storage buildings. Bidder shall provide at least 5 project references with the bid proposal. Reference information shall include project location, building size, date of completion and owner contact information.

1.03 SYSTEM PERFORMANCE REQUIREMENTS

The building shall be designed to meet the requirements of the purpose intended and all applicable Town, County and State Codes.

Wall of the building must be designed to withstand a lateral pressure from material stored to a maximum height of 25'. Design to be based on material weights as specified in CAPACITY, with an internal friction angle of 32 degrees.

Building roof shall be watertight.

1.04 SUBMITTALS

- A. General:
 - 1. Comply with provisions of Section 01 33 00.
- B. General: Submit the following in accordance with Conditions of the Contract and Division 1 Specification Sections.
- C. Product data consisting of storage building system manufacturer's product information for building components and accessories.
- D. Shop drawings for storage building structural framing system, siding panels, and other building system components and accessories that are not fully detailed or dimensioned in manufacturer's product data.
- E. Furnish the following information as proof of conformity to design and performance criteria requirements of this specification. The information (for both submittal phases, below) shall be stamped with the registration seal of an architect or professional engineer, licensed in the

Shall consist of vertical rectangular wood posts set 4' apart center to center and set a minimum of 6' 0" below finished grade. Posts shall be long enough to provide internal clearance height specified in NOMINAL BUILDING DIMENSIONS. Posts may be rough lumber.

Vertical wall posts shall be founded and supported by a continuous cast-in-place concrete "T-Wall." "T-Wall" shall consist of a reinforced concrete spread footing and vertical concrete column, as designed by the manufacturer's engineer. Timber posts shall anchor into both the spread footing and vertical column. Only timber members shall be used in areas that come in contact with salt. Salt contact with concrete members will not be permitted.

No bracing will be allowed on the interior or exterior that extends away from the wall and conflicts with the Owner's equipment movements.

CONCRETE:

All concrete and reinforcement shall be in accordance with the building code requirements for structural concrete (ACI 318). For design purposes, all concrete shall be 4000 psi normal weight. All reinforcement steel shall be grade 60, epoxy coated.

Note: Concrete shall not be used where it is in direct contact with salt.

PIPE BOLLARDS:

Furnish and install pipe bollards at locations shown on plans, minimum six inches (6") in diameter and eight feet (10'-0") in length, consisting of schedule 80 galvanized steel structural pipe, filled with concrete. Furnish concrete within the pipe bollard according to Section 03 30 00 of the standard specifications. Form concrete crown at top of bollard. Embed pipes in concrete footing, and paint with a 3-coat epoxy paint system, (primer plus two finish coats). Paint the entire length of the pipe including buried portion.

SIDING:

Internal load walls shall have horizontal treated timber planks (minimum 12" nom. in width) and treated plywood nailed on the inside of wall posts. Plank thickness and stress grade shall be adequately sized to withstand lateral material pressure and shall be a minimum thickness of 2" nom. in single application. The plank shall extend two feet higher than design pile load line of the wall. Marker shall be provided to designate the maximum pile height on the wall. Design calculations must include analysis of wall plank thickness and stress grade.

Wall planks shall be rough lumber; however, the sides shall be SIE (surfaced on one edge to 11-5/8") to fit tight against adjacent planks.

ROOF:

- A. Provide materials and surface finishes conforming to the guarantee specified below, requiring minimum maintenance and conforming to, or exceeding, the Underwriters' Laboratories, Inc. Class C rating requirements (labels are not required). Unprotected aluminum or bare steel surfaces are not acceptable.
 - 1. Type: Prefabricated or site-built, complete with all necessary accessories, fastening devices, trim, and flashings.
 - 2. Drainage: Positive slope; no standing water.
 - 3. Strength: comply with structural criteria specified on drawings.
 - 4. Wind Resistance: 60 pounds per square foot (uplift) for adhesive applied products, UL Standard 997 for shingle type products.

- 5. Compatibility: All materials to be physically and chemically compatible with each other and with adjacent building components.
- 6. Products:
 - i. Metal roofing shall consist of 29 gauge galvanized coated steel panels, with color matched fasteners, carrying a manufacturer's warranty of 30 years, color to be reviewed, selected and approved by the engineer from manufacturer's standard colors. Acceptable products are GrandRib 3 Plus by Fabral with Enduracote finish, Stormproof by MBCI with Signature 200 paint system, Max Rib by McElroy with siliconized polyester pain system, or equivalent.
 - ii. Trim: Provide metal rake trim at all edges and slope changes
 - iii. Underlayment shall conform to ASTM D1970, Standard Ice Dam Underlayment.
 - iv. Sheathing shall be APA rated, 5/8-inch thick nominal, CDX plywood roof sheathing. In no case shall metal roofing be applied directly to trusses.

VENTILATION:

Provide suitable openings located at or near the highest point of the roof to provide a minimum ratio of 1 square inch of free air area for each 55 square feet or building area. Color to match adjacent roofing materials.

Provide wooden louver vents with minimum area of 3 square-feet each at each gable end of building.

TRANSLUCENT PANELS:

Provide 4'-0" high, minimum, polycarbonate translucent sky lights on sidewalls as shown on the drawings.

MATERIALS:

All materials shall be unused.

All items shall be inspected visually, at the erection site, for conformance with these specifications and the final design as approved by the Owner. If deemed necessary by the Owner, onsite samples will be taken by the Owner and submitted to a testing laboratory selected by the Owner and tested to verify compliance with the specifications and final design.

Timber:

All structural timber products furnished for the building shall be in conformity with the National Design Specifications for Wood Construction, 2015 Edition as published by the National Forest Products Association. This includes all source documents including all lumber grading rules. Suppliers must provide inspection certificates for posts, wall plank and main structural elements certifying compliance with the stress grade required as indicated by the design calculations and as indicated on the plans. All certifications shall be furnished to owner prior to delivery of the material. All structural timber for the wall system shall be Coastal Douglas Fir, other timber species will not be allowed.

Plywood:

Each panel of construction plywood shall be identified with the grade - trademark of the American Plywood Association, and shall meet the requirements of Product Standard "PS-1" for Construction and Industrial Plywood. Plywood roof sheathing shall be C-D interior with exterior glue.

Copper Naphthenate Pressure Treatment:

Preservative treatment of lumber and timber shall be by the pressure process, and unless otherwise provided in the contract special provisions, be in accordance with AWPA Standards and AASHTO Designation M 133.

Preservative and Preservative Treatment shall be in accordance with the American Wood Preservers' Association (AWPA) Standards.

All timber below the roof trusses shall be pressure treated with Copper Naphthenate in AWPA P9 Type A Hydrocarbon Solvent.

Unless otherwise directed by the Owner the material shall be graded prior to treatment. Material shall be accepted after treatment on the basis of its condition prior to treatment, on the basis of inspection of the treatment procedure substantiated by plant records, on the condition of the material after treatment and on absorption, penetration and visual inspection.

So far as practicable all adazing, boring, chamfering, framing, gaining, mortising, surfacing and general framing, etc., shall be done prior to treatment. If cut after treatment, coat cut surfaces according to AWPA M4.

All Douglas Fir or other species that are difficult to penetrate shall be incised prior to treatment.

Metal Plates and Fasteners:

All hardware and plates shall be hot dip galvanized. Metal gusset plates on roof trusses shall be field painted with asphalt paint. The supplier shall furnish the paint.

PART 3 - EXECUTION

3.01 ERECTION OF FRAMING

Do not use materials that are unsound, warped, improperly finished, or with defective surfaces, sizes, or patterns.

Comply with frame manufacturer's approved Shop Drawings for details and building erection.

Columns:

Auger hole to depth of diameter indicated on Drawings.

Construct column foundations per Salt Storage Building Designer Drawings.

Wallboards: Install using manufacturer recommended fasteners.

Provide all required footings, foundations, and/or other required substructures or supports at the required elevations on properly prepared subgrade, as required for the erection of the complete storage building.

Foundations shall be of size and depth required to resist frost action.

Roof Joists:

Set joists in place in center of column using lifting methods as approved by manufacturer.

Cable Ties: Install cable ties at locations recommended by building manufacture and per approved Shop Drawings.

END OF SECTION

ROCK COUNTY BELOIT, WISCONSIN SALT STORAGE BUILDING

GOVERNING SPECIFICATIONS:
THE INTERNATIONAL BULDING CODE GOVERNS.

DESIGN DATA:
THE DESIGN OF THIS STRUCTURE COMPLIES WITH THE
BULDING CODE AND SUPPLEMENTAL SPECIFICATIONS AS
INDICATED IN THE CODE AND THE DESIGN COMPUTATIONS.

- - C) SNOW EXPOSURE FACTOR 1.0
 D) SNOW IMPORTANCE FACTOR 0.8
- E) THERMAL FACTOR 1.2

 A) BASIC WIND SPEED 105 MPH
- B) OCCUPANCY CATEGORY 1 C) EXPOSURE "C"
- D) COMPONENTS AND CLADDING 1) ROOF = 16.5, -69.2 PSF 2) WALL = 16.5, -46.1 PSF

CONSTRUCTION NOTES:
FOOTINGS ARE DESIGNED FOR A NET ALLOWABLE BEARING
PRESSURE OF 3000 PSF, THE GEOTECNICAL ENGINEER OR PROJECT ENGINEER ON SITE SHALL VERIFY.

THE WIDTH OF FOOTING EXCAVATION SHALL BE MINIMIZED TO IMPROVE LATERAL BEARING AND LIMIT DISTRIPTION TO THE IMPLICATION ATTIME CONSOLIDATED MATERIAL. BACKFILL WITH NATIVE MATERIAL WHEN SO APPROVED. COMPACT TO 95% STANDARD PROCTOR.

CONCRETE CONSTRUCTION, INCLUDING BUT NOT LIMITED TO MIX DESIGN, QUALITY CONTROL, PLACEMENT, COLD WEATHER PROVISIONS, AND ANCHORAGE INSTALLATION, SHALL BE IN PROVISIONS, AND ANCHORAGE INSTALLATION, SHALL BE IN ACCORDANCE WITH THE CODE AND THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318) AS APPROVED BY THE PROJECT ENGINEER ON SITE. CONCRETE TO BE 4000 PS, NORMAL WEIGHT, CONTROL JOINTS OR UNBONDED CONSTRUCTION JOINTS TO BE PROVIDED AT 16 FT. MAX. SPACING, MIDWAY BETWEEN POSTS OR KNEE BRACES. CONTROL JOINTS SHALL BE LOCATED AT THE UPPER SURFACE OR SURFACES AND PENETRATE ONE FOURTH THE FOOTING STRUCKNESS AND PENETRATE ONE FOURTH THE FOOTING THICKNESS (MIN). ALL REINFORCEMENT STEEL SHALL BE GRADE 60, EPOXY COATED.

ERECTION AND TEMPORARY BRACING OF ROOF TRUSSES SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS AND INDUSTRY STANDARDS AS APPROVED BY THE PROJECT ENGINEER ON SITE AND ARE NOT THE RESPONSIBILITY OF

CONCRETE "T" WALL TO BE SUPPLIED BY INSTALLER. QUANTITIES OF CONCRETE AND REBAR ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. FINAL QUANTITIES AND DETAILS SHOWN ARE TO BE DETERMINED AT FINAL DESIGN.

	PLAN SHEET INDEX
SHEET	DESCRIPTION
1	COVER SHEET & SPECIFICATIONS
2	T-WALL PLAN
3	CONCRETE DETAILS
4	CONCRETE DETAILS
5	POST PLAN

REVISION	DESCRIPTION	DATE	INITIALS
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A			

COVER SHEET **SPECIFICATIONS**

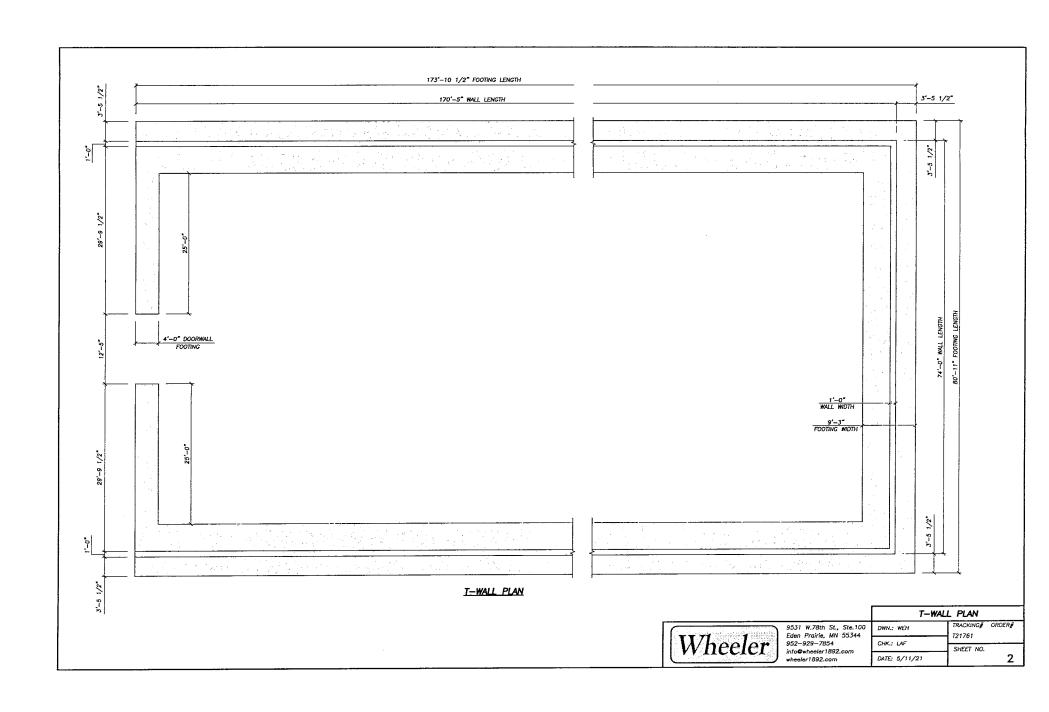
ROCK COUNTY - BELOIT, WI SALT STORAGE BUILDING

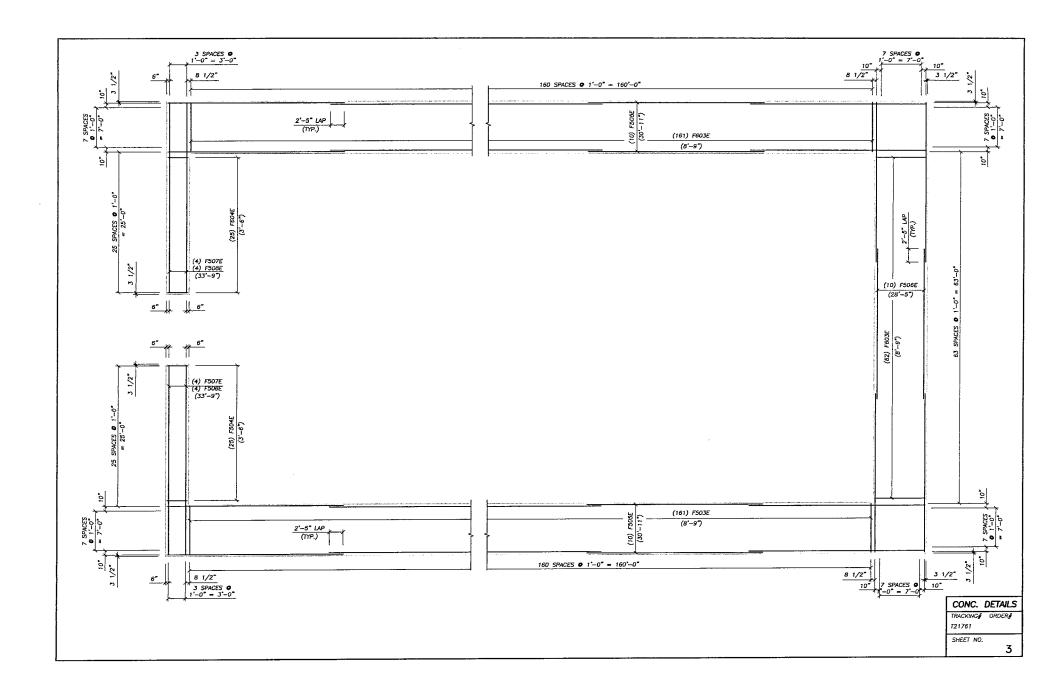
168' L X 72' W X 30' H SALT STORAGE

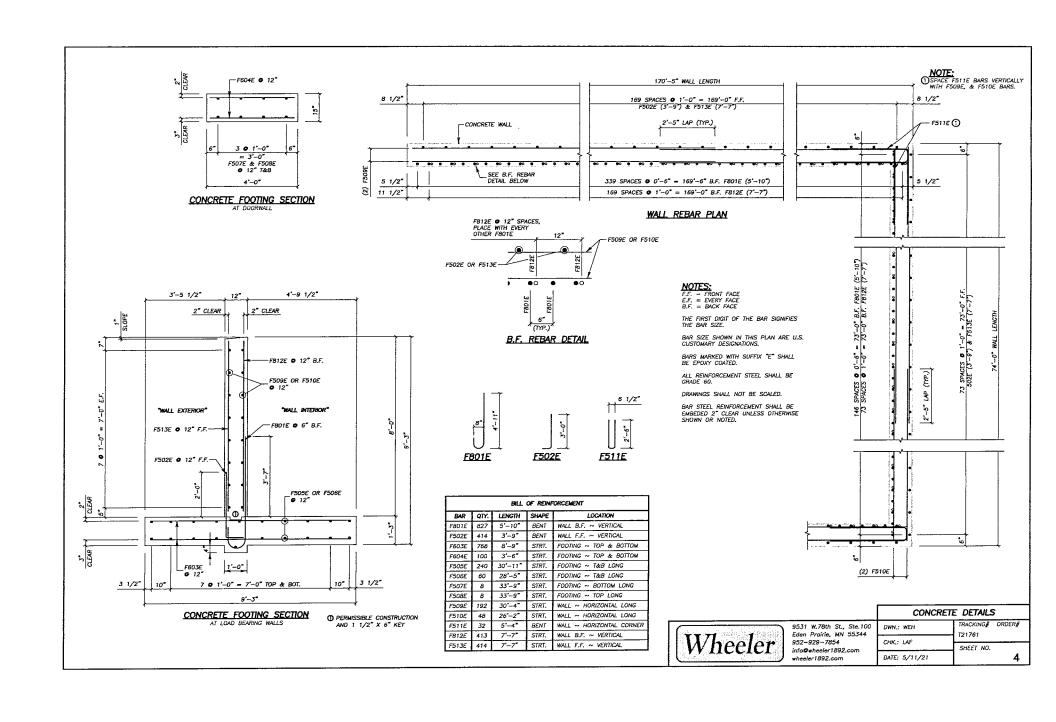


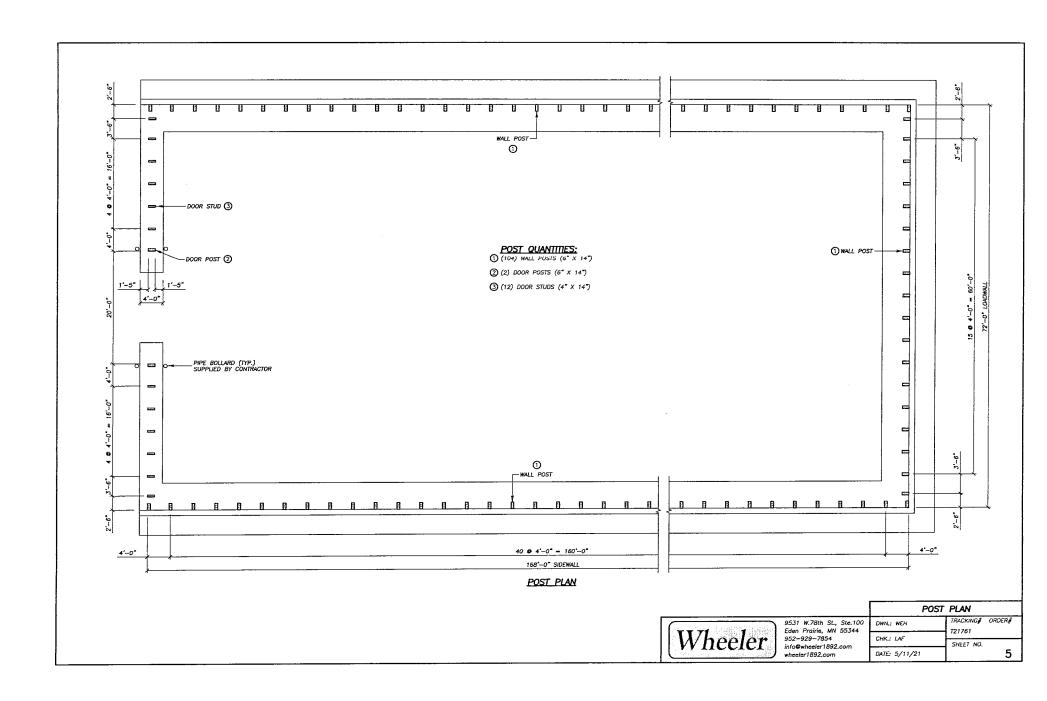
9531 W.78th St., Ste,100 Eden Prairie, MN 55344 952-929-7854 info@wheeler1892.com wheeler1892.com

DWN.: WEH CHK.: LAF		TRACKING# ORDER# T21761 SHEET NO.	









TIMBER NOTES: ALL THEBER BELOW ROOF TRUSSES SHALL BE COPPER NAFHTHENAIL PRESSURE TREATED.

ALL TIMBER TO BE GRADED AS PER NEPA 1991 NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTITUTE.

ALL 2" X 12" WALL PLANK TO BE DOUGLAS FIR-LARCH, NO.2, STSTE (1 5/8" X 11 5/8").

ALL 3" K 12" WALL PLANK TO BE DUDULAS FIR-LARCH, NO.2, SISTE (2 5/8" X 11 5/8).

ALL 6" X 12" HEADERS TO BE DOUGLAS FIR-LARCH, NO.1.

ALL 4" X 16" TOP PLATES TO BE DOUGLAS FIR-LARCH, NO.1, SIS (3 1/2").

FILE HEIGHT MARKER TO BE 2" X 4", DOUGLAS HH-LARCH, NO.1, 545, UNITERIED & FIELD PAINTED.

ALL 6" X 16" PUSIS TO BE DOUGLAS FIR-LARCH,

ALL 4" x 16" DOOR STUDS TO BE DOUGLAS FIR-LARCH, NO.1.

BALANCE OF TIMBER TO BE DOUGLAS FIK-LARCH/ PONDEROSA PINE, NO.1.

ALL HABER IS ROUGH UNLESS OTHERWISE HOTED.

ALL HABER CUI IN FIELD SHALL BE TREATED WITH (3) WARTS OF AN APPROVED THEATING PRESERVATIVE

ALL HARDWARE TO MEET ASTM ABOY GALVANIZED TO A153. ALL HIGH STRENGTH HANDWARE TO MEET ASTM A320 OR A449 GALVANIZED TO A153. ALL STRUCTURAL STEEL TO MEET ASIM ASE CALVANIZED TO ATES.

CONSTRUCTION REQUIREMENTS SHALL CONFORM TO STATE SPECIFICATIONS UNLESS OTHERWISE NOTED

ALL TUMBER TO BE CUT TO EXACT LENGTH, DRESSED TO SIZE REQUIRED AND ALL PRACTICAL PRAYING TO BE DONE PHICH IO INCAIMENT.

ALL BOLL THREADS TO BE SET WITH A CENTER PUNCH AFTER TIGHTENING.

RODFING TO BE 29 GO. MTEAL RODFING. METAL RUGBING AND UNDERLAYMENT SUPPLIED BY CONTRACTOR.

ALL METAL GUSSET PLATES ON TRUSSES AND TRUSS TI DEWNS SHALL BE PARTED WIN ASPHALT PAINT.

ALL HOLES DRILLED IN PELD WHERE SPIKES ARE USED ARE TO BE 1/18" SWALLER THAN SPIKE SIZE, HOLES DRILLED FOR BOLTS ARE TO BE 1/16" LARGER THAN BOLT SIZE.

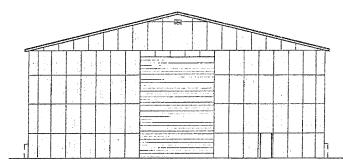
ANY NOT OR MACHINE BOLT HEAD IN DIRECT CONTACT WITH THERE'R TO HAVE ONE PLATE WASHER BETWEEN NUT AND TIMBER, OR BOLT HEAD AND TIMBER.

ANY NUT OR MACHINE BOLT HEAD IN DIRECT CONTACT WITH STEEL TO HAVE ONE CUT WASHER BETWEEN NUT AND STEEL OR BOLT HEAD AND STEEL

DESCRIPTION

CONCRETE FORTING

WAUPACA COUNTY, WISCONSIN SALT STORAGE BUILDING



DOORWALL

GOVERNING SPECIFICATIONS: THE INTERNATIONAL BULDING CODE GOVER

DESIGN DATA:
THE DESIGN OF THIS STRUCTURE COMPUES WITH THE
BULDING CODE AND SUPPLEMENTAL SPECIFICATIONS AS
INDICATED IN THE CODE AND THE DESIGN COMPUTATIONS.

- 1) USE AND OCCUPANCY CLASSIFICATION GROUP 5-2
- 2) TYPE OF CONSTRUCTION = V-B
 3) BULK STORAGE, 80 PCF SALT, 12FT, AT WALLS,
 18FT, MAX. FLL. HT. MAX. SLOPE SHALL BE
 1 VERTICAL TO 2 HORIZONTAL.
- 4) ROOF LIVE LOAD USED IN THE DESIGN 26.9 PSF A) GROUND SNOW LOAD 40 PSF B) FLAT ROOF SNOW LOAD 26.9 PSF

 - SNOW EXPOSURE FACTOR 1.0
 - D) SNOW IMPORTANCE FACTOR O.B.
- E) THERMAL FACTOR 1.2 A) BASIC WIND SPEEG 105 MPH
- B) OCCUPANCY CATEGORY 1
- C) EXPOSURE "C" D) COMPONENTS AND CLADDING

 - 1) ROOF = 16.5, -69.5 PSF 2) WALL = 16.5, -46.3 PSF

ROOF TRUSS DESIGN NOTE:
ROOF TRUSSES SHALL BE DESIGNED FOR AN ADDITIONAL 202
LBS. OF TENSION APPLIED ONDOURENLY WITH OTHER LOADS.
THIS IS A POST LOAD APPLIED AT THE TRUSS BEARING.
RESULTING FROM THE STORED SALT OR SAND

CONSTRUCTION NOTES: FOOTINGS ARE DESARED FOR A NET ALLOWABLE BLARING PRESSURE OF 2000 PSF, THE OEOTECHICAL ENGINEER OR PRESSURE OF SITE SHALL VERBY. THE BOTH OF FOOTING ENCAPAIRM SHALL BE MINIBIZED TO IMPROVE LATERAL BEARING AND LIMIT DISRUPTION TO THE IN-PLACE NATIVE CONSOLIDATED MATERIAL. BACKFUL WITH NATIVE MATERIAL WHEN SO APPROVED. COMPACT TO 95% STANDARD PROCTOR.

CONCRETE CONSTRUCTION, INCLUDING BUT NOT LIMITED TO MIX DESIGN, QUALITY CONTROL, PLACEMENT, COLD WEATHER PROVISIONS, AND ANCHORAGE INSTALLATION, SHALL BE IN ACCURDANCE WITH THE CODE AND THE BUILDING CODE ACCURRANCE WITH THE CODE AND THE BURDING COCE
REQUIREMENTS FOR STRUCTUREN CONFICET (ACE 318) AS
APPRIADED BY THE PRODUCT ENGINEER ON SIL. CONCRETE
TO BE 4000 PSI, NOMMAL WEBSH, CONTROL JUNIOR
UNBOURDED CONSTRUCTION JOINS TO BE PRODUBED AT 16 FT.
NAX SPACING, MORAY BETWEEN POSTS OR NIEE BRACES,
COMMIN, JOHT'S SHALL BE LOCALED AT THE UPPER SOMMAC
OR SUMPACES AND PERCENTER ONE POURTH THE POSITION
THICKNESS (MIN), ALL NEWHORKEMENT STEEL SHALL BE
GRAPE 60, EPONY CONTED

ERECTION AND TEMPORARY BRACING OF ROOF TRUSSES SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS AND INDUSTRY STANDARDS AS APPHILAYOR BY THE PROJECT ENGINEER ON SHE AND ARE NOT THE RESPONSIBILITY OF

PREDRILL HOLES FOR SCREWS AND MAKE AS NECESSARY TO AVOID SPLITTING OF TIMBERS

SHEARWALL & ROOF DIAPHRAGM NOTE:
THIS BURCHING DESIGN INCLUES PROVISIONS FOR
SHEARWALLS A ROOF DIAPHRAGM WHICH ARE STRUCTURAL
LELMENTS NECESSARY TO RESIST THE BULK STOPAGE LATERAL
LODE CARFOL ATTENION MUST BE PART TO ALL PHYMOOD
NABING SPECIFICATIONS, BLOCKING, AND OTHER DELIALS
WITHIN MISE DEATIONS, BLOCKING, AND OTHER DELIALS WITHIN THIS PLAN.

L	FOOT STILLT INDEX
SHEET	DESCRIPTION
1	COVER SHEET & SPECIFICATIONS
2	7-WALL PLAN
3	CONCRETE DETAILS
4	CONCRETE DETAILS
5	POST PLAN
5	POST FOOTING DETAILS
7	TIPICAL SECTION & WALL
8	SHEARWALL DETAILS
9	SHEARWALL DETAILS
15	SHEARWALL DETAILS
11	SIDEWALL FRAMING
12	LOADWALL FRAMING
13	DOORWALL FRAMING
14	SECTION D MALLS
15	ROOF FRAMING
16	CONNECTION DETAILS
17	ROUF DIAPHRAIM DEIALS
18	FINISHING & MISC. DETAILS
19	PIOI FLAN

PLAN SHEET INDEX

RING SHANK (R.S.) NAIL

MINIMUM DIMENSION TABLE		
PENNY WT.	SHANK DIAMETER (IN.)	LENGTH (IN.)
60	U. 120	2.0
16d	0.148	3.5



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COVER SHEET
&±
SPECIFICATIONS

REVISION

WAUPACA COUNTY SALT STORAGE BUILDING

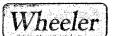
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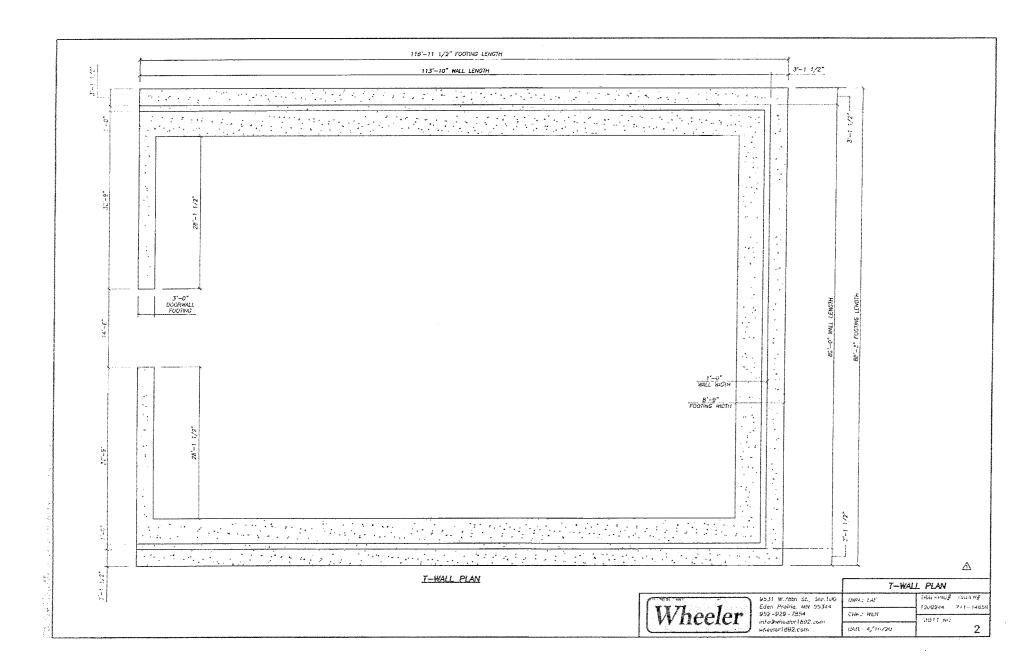
5/5/20

112' L X 80' W X 30' H SALT STORAGE

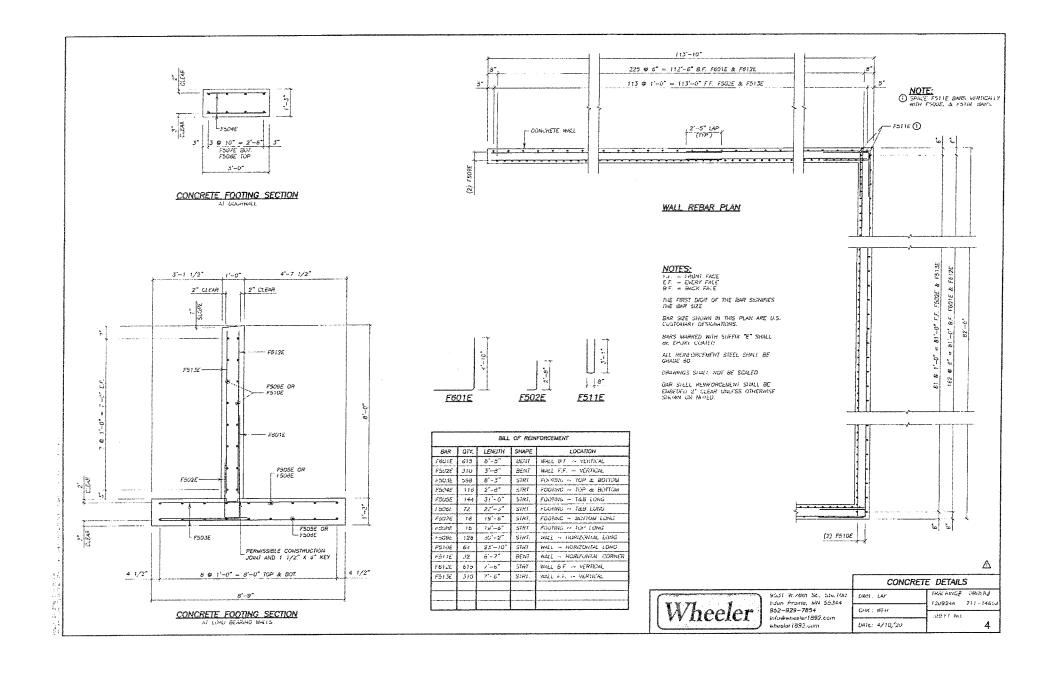


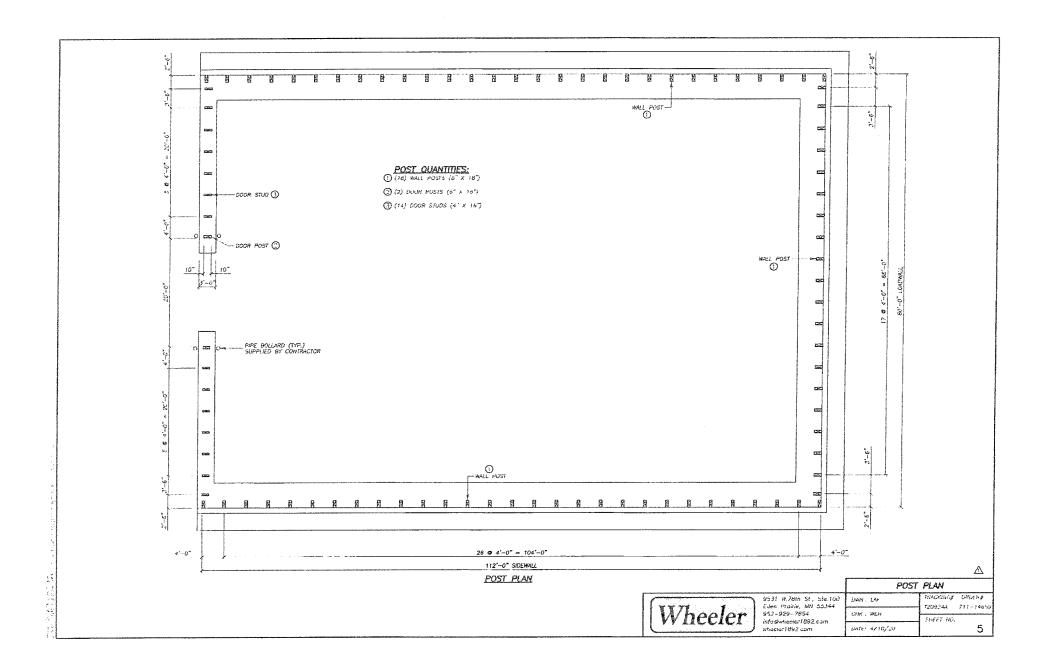
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Eden Proirie, MN 55344			
952-929-7854			
info@wheeler1892.com			
whadar1867 com			

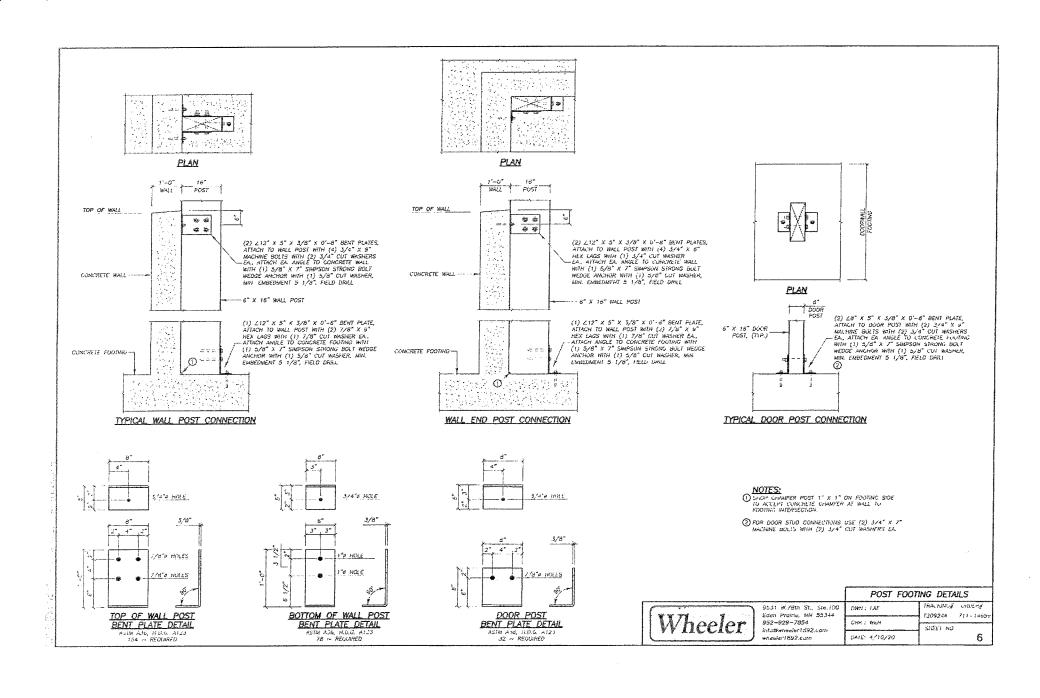
OWN.: LAF	THACKING# ORDER#	
CHK.: WEH	T20924A SHEET NO.	711-14659
DAIL: 4/10/20		1

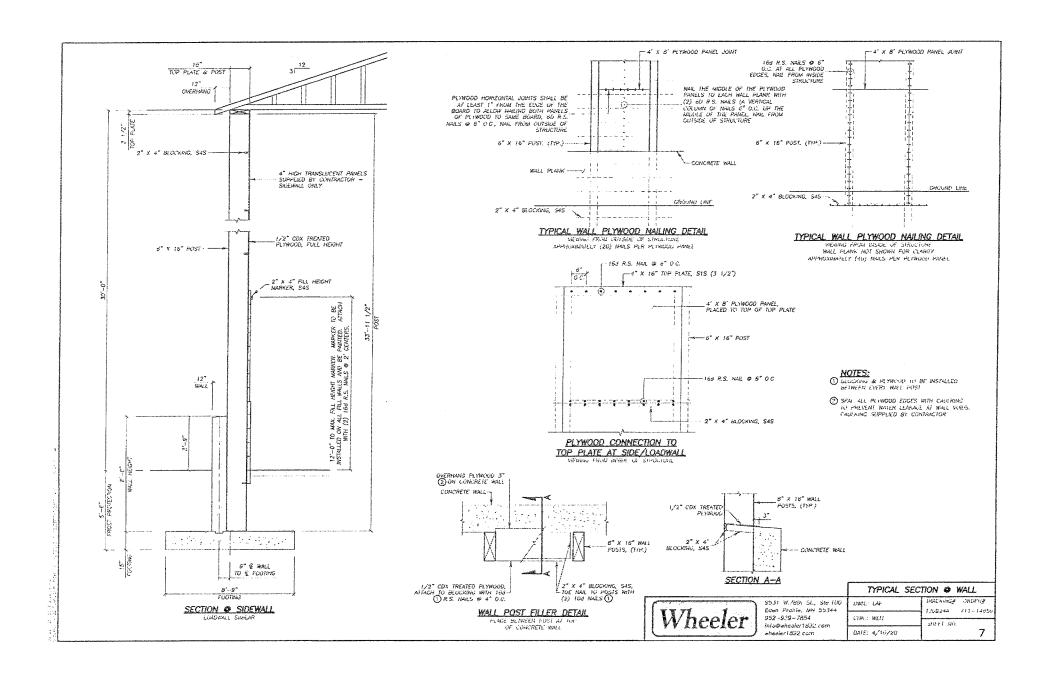


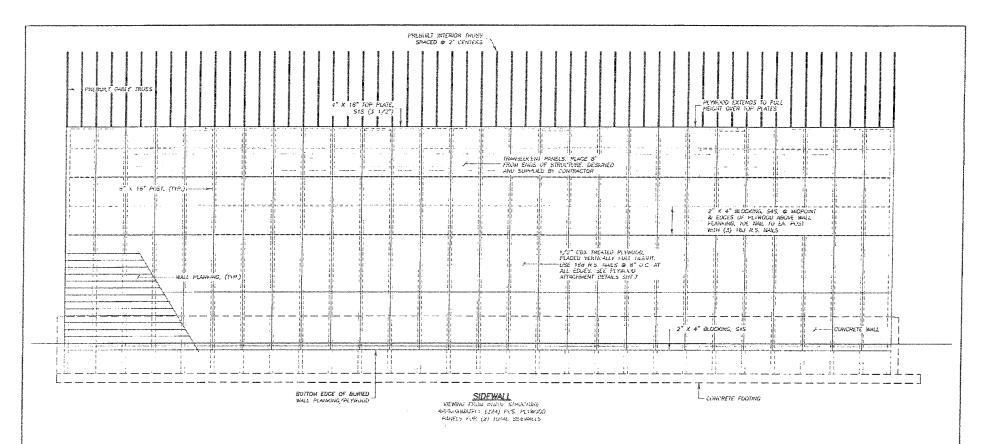
3 \$ 10" = 2'-6" 105 SPACES @ 1'-0" = 105'-0" 2'-5" LAP | | (106) F503E .0-.8Z = .0-.1 & \$3C%05 8E 2'-5" LAF (TYF.) (+) £507£ (4) £508£ 3" | | 3" TOP & BOTTOM REBAR IS SYMMETAICAL ABOUT & STRUCTURE (4) F507£ (4) F508£ (9) F506E (106) F503E 2'-5" LAP (MP.) Δ 4 1/2* CONC. DETAILS 105 SPACES @ 1'-0" = 105'-0" HOACKHAGA DHORKA 2 2 10" - 2'-6" FOOTING PLAN ~ T&B REBAR 120924A 711-1465 SHLL! NO. 3











SIDEWALL SHEARWALL NOTES:

Filologi Francisco VEVENIALEZ

MEL METALENT PERSOND MANEE FORES STALL BE FASTENCO TO ETTER COMMUNICATION OF MANAGER OF COMMUNICATION OF MEMORIAL

HALL PARTERS SHALL BE AS SHOWN IN PLOBERS HALL DETAIL SHIT.?.

FINISHED BENESONIAL SCHOTS ONLY MALE PLANNING SHALL BE AT LIKELT F (POLITHERLY L'EME 3) FROM THE FORE OF THE BOARD, TO SLILLOW RESIDENCE OF STRONGO TO THE SAME BEARD, THE SCHOOL SHALLOW BENESON THE STRONG OF THE WORLDOW, TO SCHOOL OF LOCK OF WALL.

HAS THE MEDICE OF THE PARKES TO EACH WALL HEARK WITH (2) AND MAS THAT IS VERTICAL COLUMN OF NAMES OF O.C. UP THE MIGHT OF THE MARKET, DUT NEUTONED AS CONCRETE WALL.

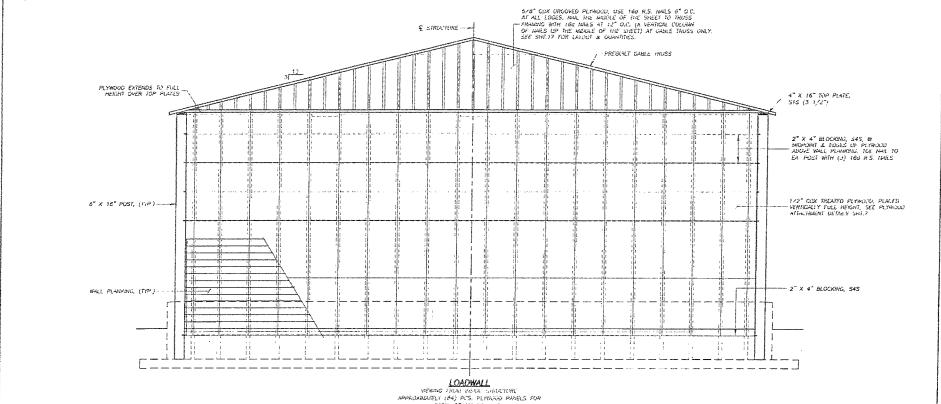
THE IMPROVED OF ALL PARELS NOT ACAINST WALL PLANKING SHALL OF PROTEINED TO DECIDING. USE 160 R.S. MARS & 6" V.C.

THE VERY BUTTOM OF THE FLYWOOD SHALL HAVE 2" Y 4" BLOCKING OF HAVIN FURTS EXTRYMILIES, MICHORAL WHERE THERE IS WALL OF HOSDAY.

PLIMBOR LARGES SHALL BE 4° X B' EXCEPT AT BOUNDARIES AND ALL CASES, PRODUCTIONERS THE MINIMUM EMBENSION SHALL BE 24°

Wheeler

9031 W.76th St., Ste 100 Ellen France, MN 000344 952-929-7854 into@wheeler1892.com wheeler1892.com



YOTAL OF (1) LONDWAY:

LOADWALL SHEARWALL NOTES:

HE MUNICIPAL PERWAND PARKE EDGES SHALL SE PASTERED TO ETHER . (Habrille meddling) who Comes to Brisi Kittle

HAR PATTERN SHALL BE AS SHOWN IN PLYMOND NAW DETAIL SHE'Y.

PLEATER MONOCHER JOINTS OVER WALL PLANISHED SHALL HE AT 124 I T OMETHOUSE Z'EN S) FROM THE BOSE OF THE BOARD, TO ALLOW RABING SOUTH PARKES OF PERMODE TO THE SIME BOARD, THE A LAND AME TO BE TWILD FROM THE OUTSINE OF THE BURDING BOT RECORDED OF COMESTIF WALL

NAME THE MEASURE OF THE PARKELS TO EACH WALL PLANK WITH (2) BUT US THAT S IN VERTICAL COLUMN OF NAMES 6" OUT OF THE MEASURE OF THE EXPLET TO THE PARKET OF CONCRETE WALL.

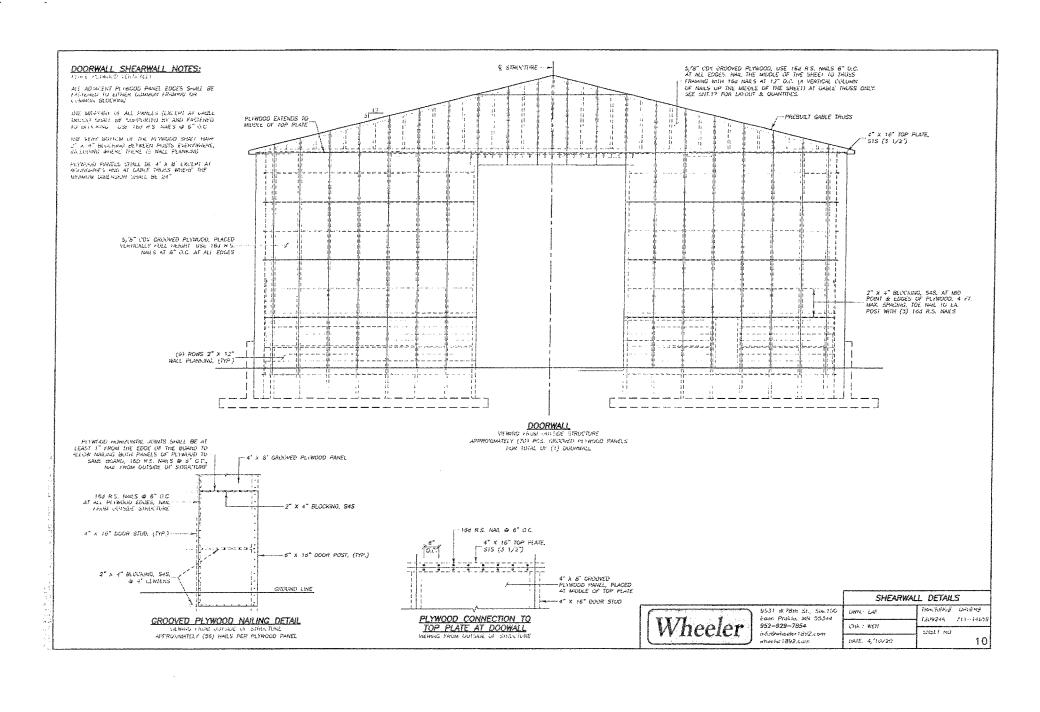
THE REPORTED OF ALL PARKETS NOT ACADEST WALL TEATHERS SHALL BE PROPERTY OF BEACHING, USE 1861 RS, MALES & 6" P.C.

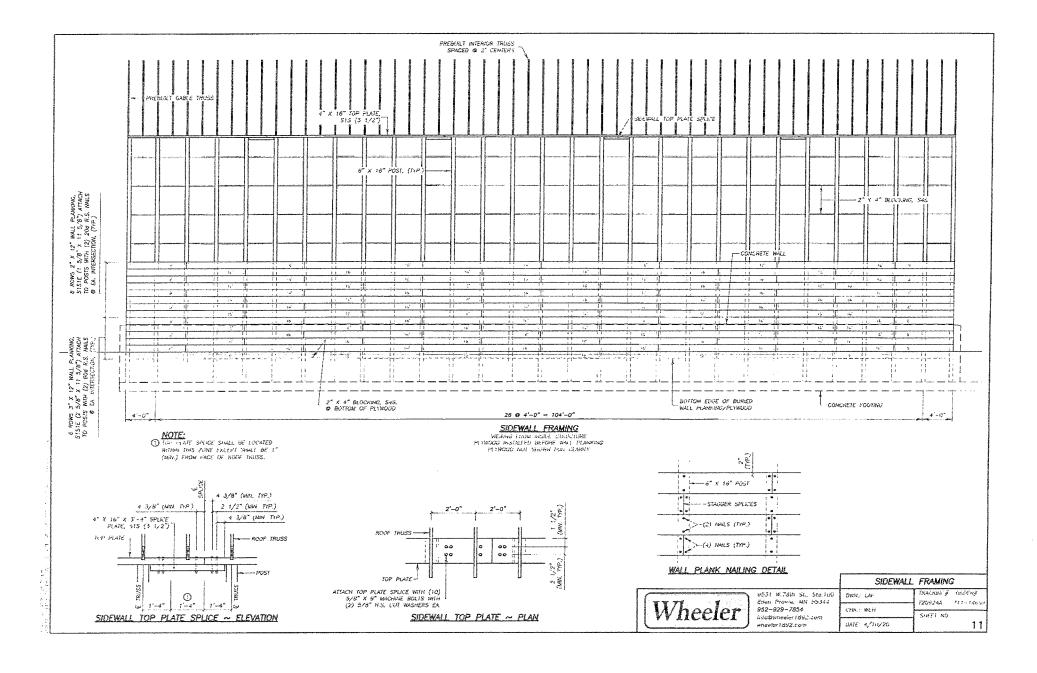
THE VEHY BOTTOM OF THE PLYWOOD SHALL HAVE 2" X 4" BLOCKHOO OF THE LOSIS EVERTWHERE, INCLUDING WHERE THERE IS MALL PLANNING.

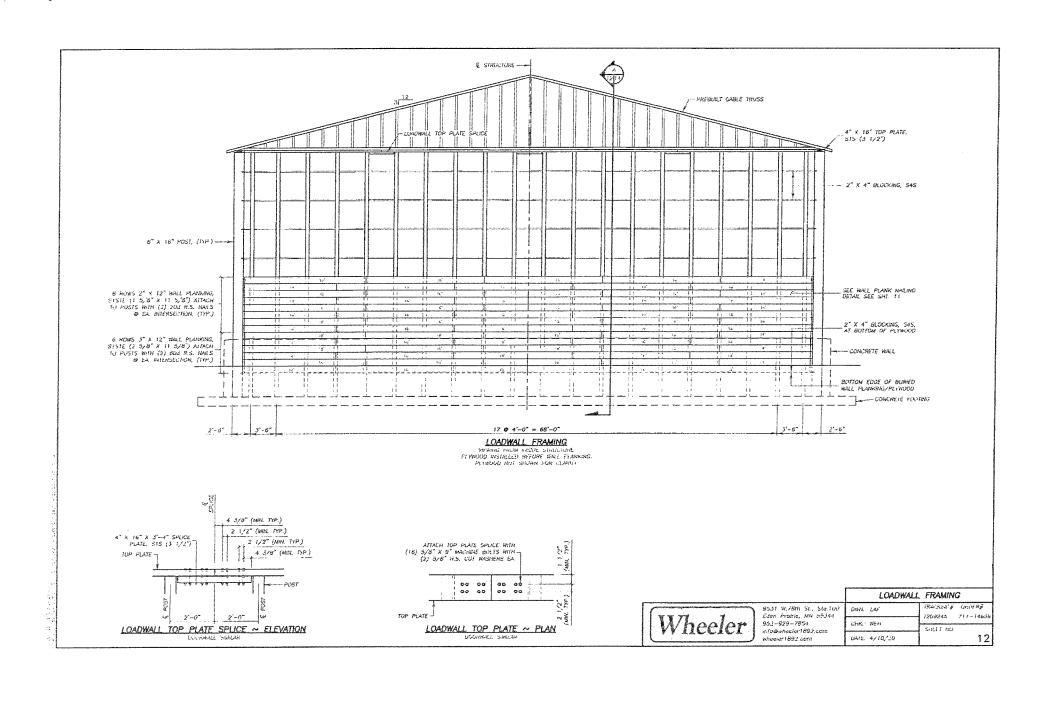
PERMODIO PATRES SHALL HE 4" X B" EXCEPT AT BERNDARES AND AF SAME HAVES WHERE THE MERBAUM PRICESSON SHALL BE 24".

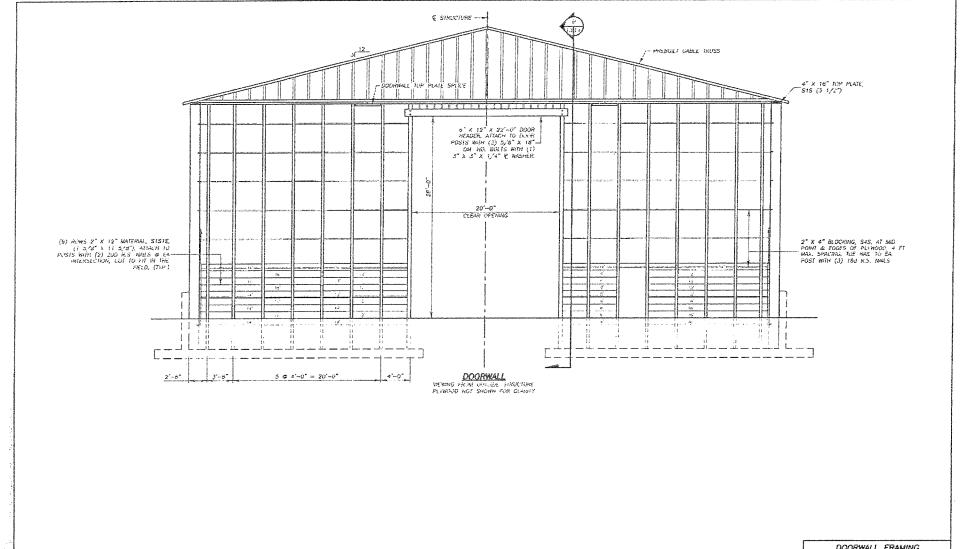
9531 W./Stb St., Ste.100 Eden Pranie. MN 55344 952-929-7854 Into@wheater1892_sem wherier (892 con-

	SHEARWALL DETAILS		
-	OWN.: LAF	184-586-8 120924A	10014 Hg 211 - 14659
-	CHK. WEH	SHELL NO	/11 - 14051
***************************************	DATE, 4,/10/20	1	9







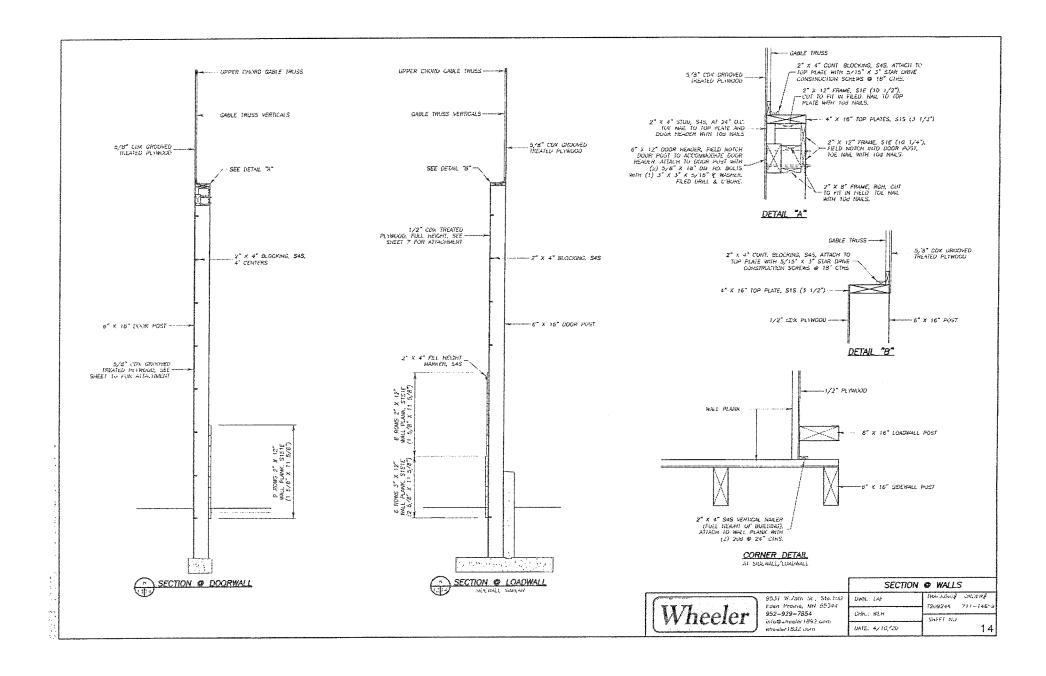


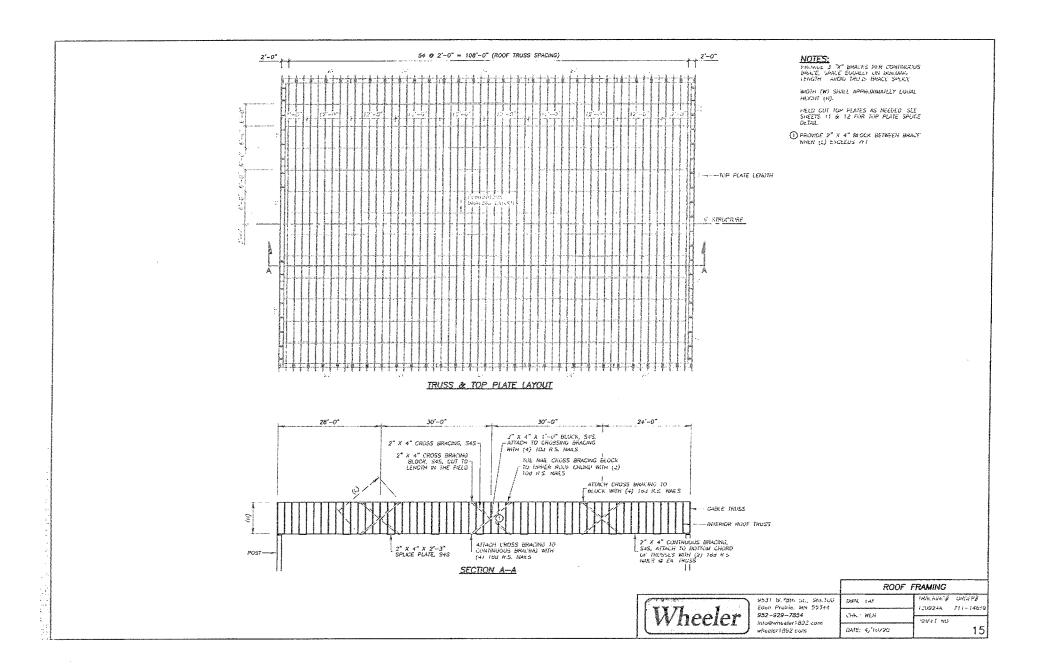
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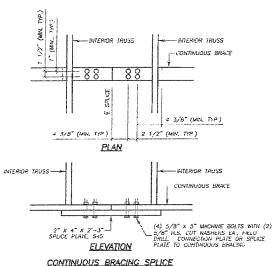
Wheeler

9531 W.73m St., Ste.100 Flum Provie, MN 55344 952-929-7854 molimheder1592.com wheder1392.com

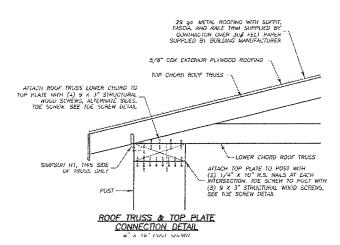
DOORWALL FRAMING		
DWN: DE	IRACHING# UKG K# 1209244 /11-1465#	
CHA.: WEH	585E1 NO.	
DATE 4,/10/20	13	

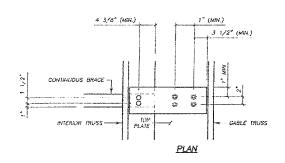


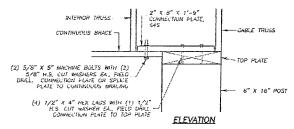




NOTE: COMMINIOUS BHACING SPLICES MAY BE LOCATED ANYWHERE, MIN. FORE AND SHACING DISTANCES SHALL BE MUNITAINED







CONTINUOUS BRACING O DOORWALL END

COMPRALL SHOLAH

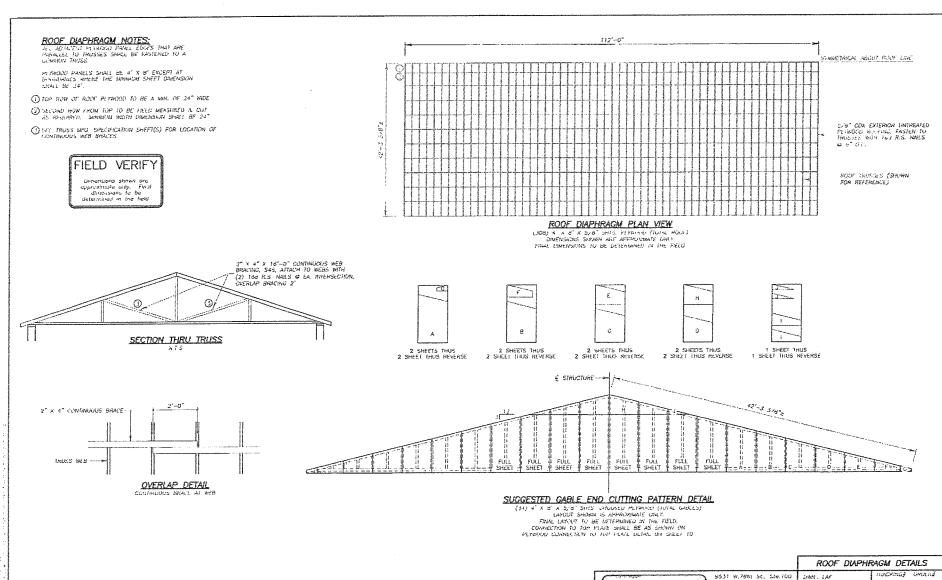


TOE SCREW DETAIL THE SCREWS & TRUSS BUST BE PLACED THROUGH SOUR WOOD, IT IS ACCEPTABLE TO PLACE THROUGH TRUSS PLAIL 2" MIN SPACING

Wheeler

Soil Width St. Ste 100 Leen Prairie, MN 55344 952-929-7854 inte#wneelat 1892 cutn wneder1892.com

CONNECTION DETAILS TRACKING# CHOER# DWN. 14F 7209244 211-1466 CHK: WEH DATE: 4/10/20 16



Wheeler

Eden Praxie, MN 55344

info@wheeler!392.com wheeler1892.com CHK: WEH

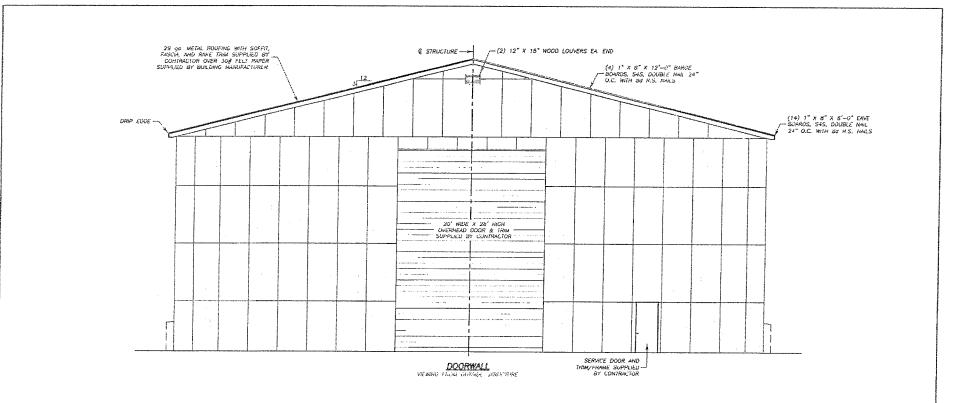
DATE: 4/10/20

952-929-7854

120924A 711-14655

17

SHELL NO.



DOORWALL PLYWOOD NOTES:

HE FEMELS OF HE PARKES SHALL BE SUPPLIFIED BY WHEN HAS FEMEL TO FRAMING MEMBERS OF LECUKING HE TRANSMALL COMPLETE BYTHE FOR MALE SHE AND SEW HISTORY.

THE MISSIRT OF ALL PARTS SHALL BE SUPPORTED OF AND PASSISTANT TO BLUCKER, USE 186 K.S. NARS AT 6" O.C.

NAME PARTICHN SHALL BY AS SHOWN IN FLYWOOD MAIL DEVAL ON CHEET TO.

Wheeler

9531 W 78th St., Ma. 100 Eden Frame, MN 55344 952-929-7854 mio@wheeler1892.com wheeler 1897, com

FINISHING AND MISC. DETAILS инскинда окина DWN. LA T2090MA 751-14659 CHK : WEH SHEET NO. DATE: 4/10/20 18

