## **CLINTON COUNTY**

# DELMAR SHED - UNIT 3 CONSTRUCTION PROJECT

Lots 11 and 12 F.L. Sunderlins Addition Delmar, Iowa 52732

Scales: As Noted

Uniform Building Code Current Edition and all State of lowa rules and regulations shall apply to construction on this project.

#### PROJECT TRAFFIC CONTROL

Contractor shall be responsible for protection of project work during construction. Including installation of barricades, barriers, and any other necessary protection. The owner will have continuous use of the project site during construction.

	INDEX OF SHEETS					
No.	Description					
A.01	Title Sheet					
A.02	Construction Notes					
A.03	Site Plan					
A.04	Building Layout					
A.05	Electrical					
A.06	Mechanical					
A.07	Door and Window Schedule					
A.08	Breakroom					
A.09	Foundation Detail, PCC					

Project Location



NO SCALE



1-800-292-8989

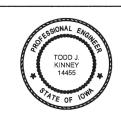
www.iowaonecall.com



Design Plans, details and shop drawings, for the trusses, walls, and columns shall be certified by a Professional Engineer licensed in the State of lowa and shall be submitted to Clinton County for approval. Submit to: Clinton County Engineer's Office 1900 N. 3rd St. P.O. Box 2957

Clinton, IA 52733-2957

Phone: (563) 244-0564 Fax: (563) 243-3739



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer und the laws of the State of Iowa.

odd J. Kinney 14453 y license renewal date is December 31, 20

My license renewal date is December 31, 2025. Pages or sheets covered by this seal:

A.01-A.09

#### GENERAL SPECIFICATIONS:

Scope: Provide all labor and materials required for construction of a clear-span building with

finished ceiling height of 16 feet and minimum size(s) indicated in the construction documents.

Maximum roof slope shall be 4:12. Breakroom ceiling height shall be 8 feet.

Materials: All lumber, including columns, shall be S45 Douglas Fir or Southern Yellow Pine,

construction grade (No. 2 or better, min., fiber strength of 1200 psi), dried to 19% or less moisture content. Columns shall be warrantied against decay and insect damage

for 40 years.

Roof Purlins: 2" x 4" spaced 24" O.C. max.

2" x 6" spaced 30" O.C. max. Side Nailers:

Eave Purlins:

2" x 8" (See Treated Wood specification).

Posts: As per U.B.C. code with bolted connection to top of frost wall.

Truss Tiers: 2" x 4" continuous for length of building.

2" x 4" corner bracing or steel corner strapping. Bracina:

Clear span attached with steel gusset plates; use design live load of 30 lbs. (upper chord), dead Trusses:

load of 4 lbs., and additional ceiling load of 4 lbs. Roof to overhang exterior walls 24". No gable

end overhands required.

Fasteners: Screws with neoprene seal for metal panels. All screws, bolts, lags, washers, and

nails to be galvanized and painted to match steel color. Fasteners shall be

positioned on the flat section of the steel adjacent to the rib.

Color of Building:

White with white interior liner.

Color of Roof:

Ventilation:

White (Install ice jam on East side of roof).

Insulation Provide insulation in exterior walls meeting R-19 value.

Provide insulation in ceiling meeting R-49 value. Building shall be wrapped with vapor barrier (Tyvek).

Gutter & Downspouts:

Contractor to use seamless gutters. Location of drops to be determined by owner. Color to match trim: provide gutters both sides of building.

> Quantity 2—Provide and install screened louvers in each gable end (18"x24"). Vented Soffit shall be used in overhangs. Provide access panels through ceiling at each end of building. Provide and install ridge vents as necessary.

O/H Door Opening: Openings shall be as shown on the plans. Header beam across vertical posts shall be

three 2" x 12". O/H door posts must be vertically leveled. Openings to be trimmed out and sided to accept overhead doors. Provide and install ice dams on East side of roof.

Treated Woods

All vertical posts, splash boards, and edge material in door openings shall be full pressure preservation treatment. Treatment to conform with American Wood Preserves Association specification equal to SYP Penta, DF Penta, DF Acza, or Copper

Naphthenate. Retention not less than 0.60 pounds per cu. ft.

Exterior and

Interior Panels:

Minimum 29 guage galvanized steel with zinc phosphate pretreatment, under (Steel Siding) coat and topcoat (G-90 Zinc Coating). Provide 30 year warranty against peeling and chalking (82,000 psi base steel). Certification of steel panel thickness shall be required. Low bidder shall provide Owner with component list and erection

plan. All interior walls, ceiling and exterior breakroom walls shall be lined.

PCC Floor:

Concrete strength 4,000 PSI, #5 reinforcing steel grade 60 bars in a 2'x2' grid. Floor slab shall be a smooth, trowel finish. Contractor shall submit saw joint layout for approval by engineer before sawing joints in floor. Provide 2" thick insulation under entire PCC slab area (Minimum R-10). Apply concrete sealer to PCC floor (Dayton Antispall J33, Sealtight Lin-Seal or Chemcrete

Erection:

The area will be graded and surfaced with crushed stone. Post connectors shall be bolted in accordance with U.B.C. recommendations. Contractor to use hard rubber closure top

and bottom at eaves and roof cap.

Prior to construction, the Owner will prepare the site by leveling to rough grade and staking the location. The rolled stone base and surfacing will be installed by the Owner. Note:

Clean Up:

Remove all construction debris, including nails, and leave site clean. Contractor shall

provide a debris dumpster and be responsible for periodic site cleanup. The Owner

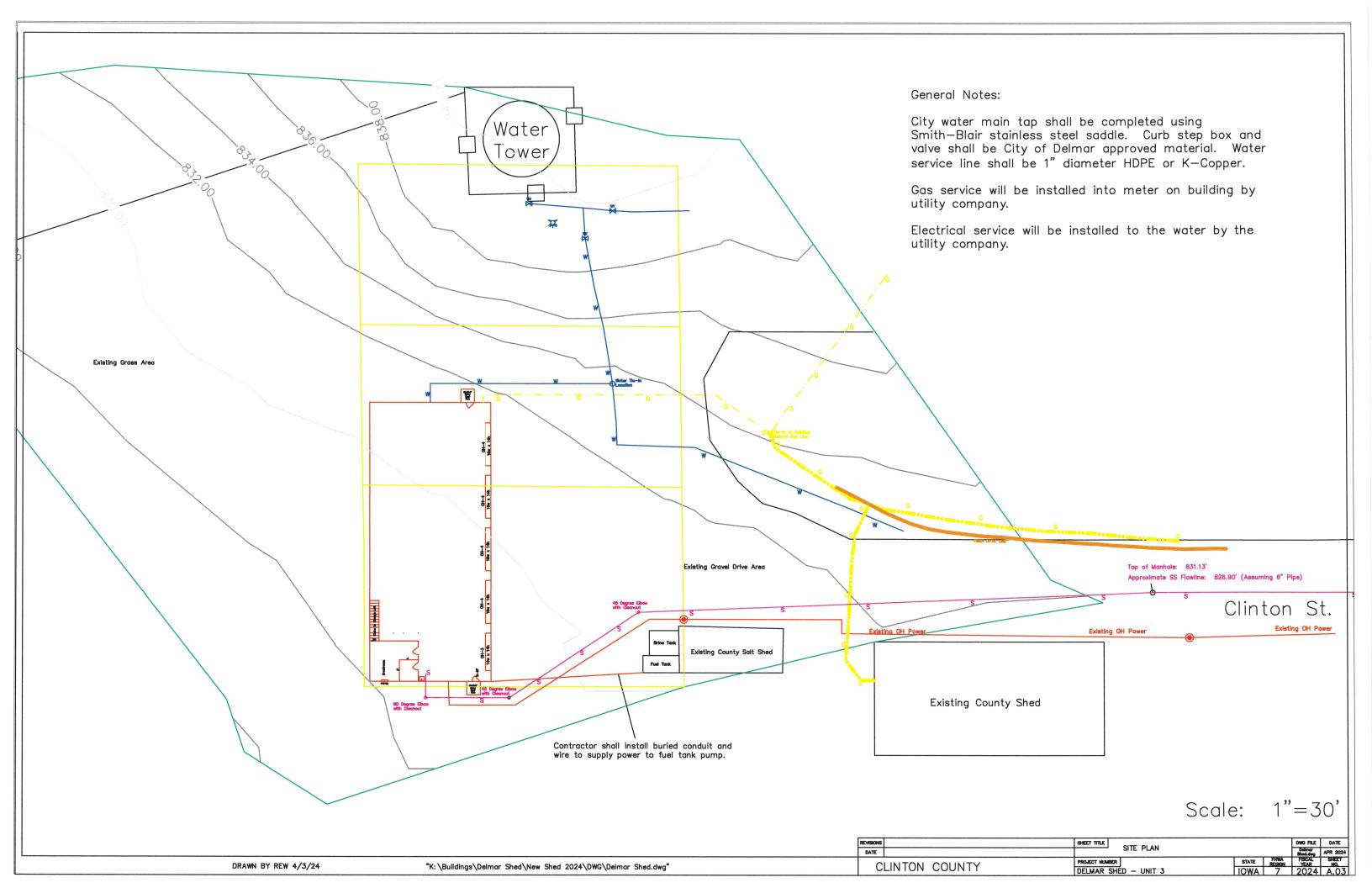
shall have continuous use of the site during construction.

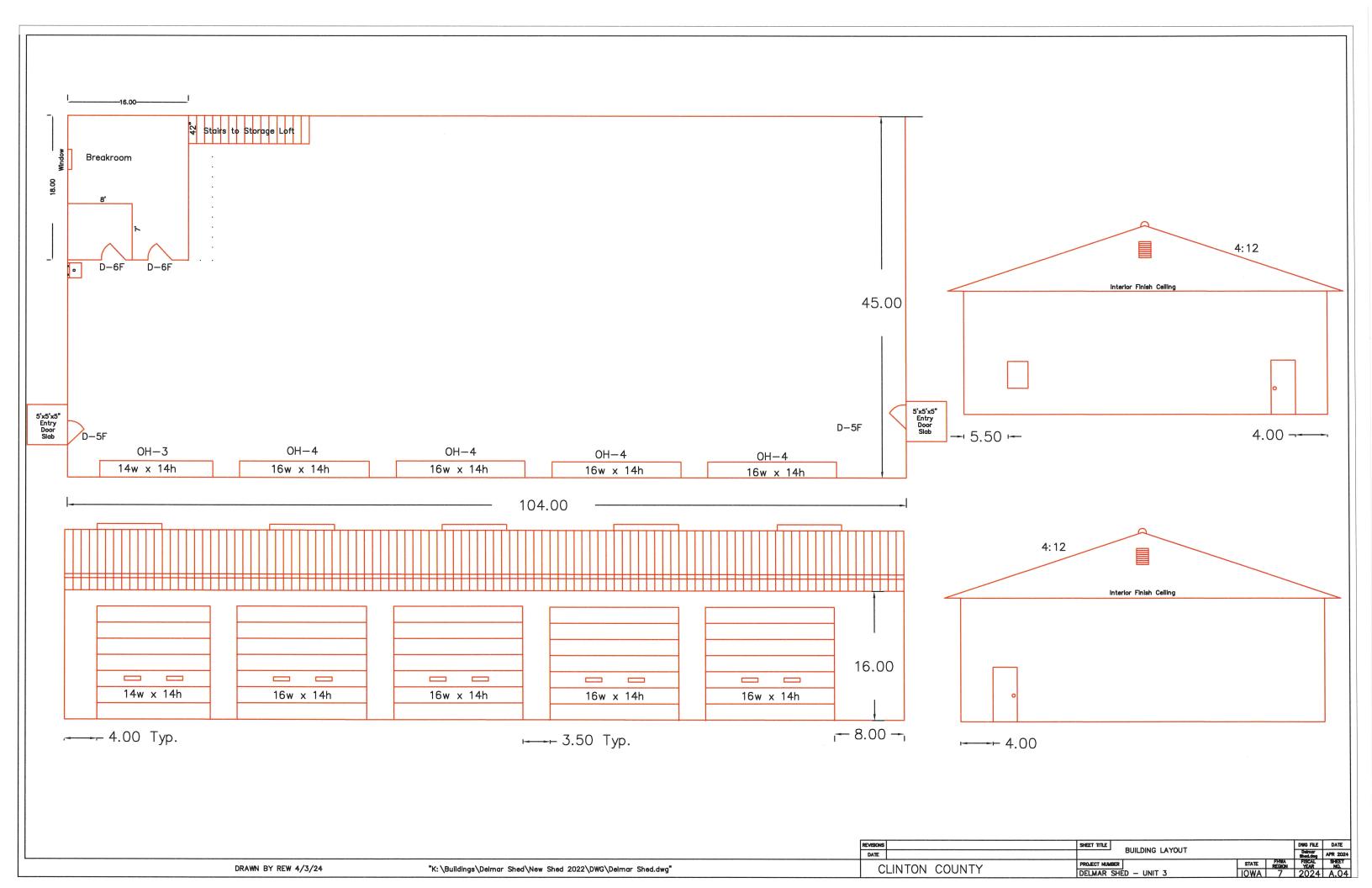
Guaranty:

Provide Owner with written guaranty covering materials and workmanship for a period of one year (1-year Maintenance Bond).

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EVISIONS	SHEET TITLE			DWG FILE	DATE
DATE	CONSTRUCTION NOTES			annarond	APR 2024
CLINITON COLINITY	PROJECT NUMBER	STATE	FHWA REGION	FISCAL YEAR	SHEET NO.
CLINTON COUNTY	DELMAR SHED - UNIT 3	IOWA	7	2024	A.02





#### GENERAL NOTES:

ALL CIRCUITS RUN TO POWER CENTER PANEL.

ALL OUTLETS SHALL BE INSTALLED AT 24" ABOVE FLOOR UNLESS NOTED OTHERWISE.

ALL COMPUTER NETWORK JACKS SHALL HAVE EIGHT (8) CONDUCTORS.

ALL COMPUTER NETWORK CABLE TO BE PLACED INSIDE ELECTRIC CONDUIT.

PHONE JACK SHALL BE PLACED ADJACENT TO COMPUTER NETWORK OUTLET.

PHONE JACK SHALL HAVE SIX (6) CONDUCTORS.

CONTRACTOR TO PROVIDE AND INSTALL RACEWAY AND BOXES FOR TELEPHONE AND DATA, NOT CABLING AND DEVICES.

OTHER COVER PLATE CONFIGURATION MAY BE SUBSTITUTED FOR THE NETWORK FIXTURE.

CONTRACTOR SHALL PROVIDE STATE ELECTRICAL INSPECTOR INSPECTION REPORT TO THE COUNTY.

CONTRACTOR TO SUBMIT LIGHTING REBATE FORM TO CLINTON COUNTY AT END OF LIGHTING INSTALLATION.

ALL LIGHTS SHALL BE TURNED ON/OFF BY SINGLE SWITCH AT MAN DOOR ENTRANCES.

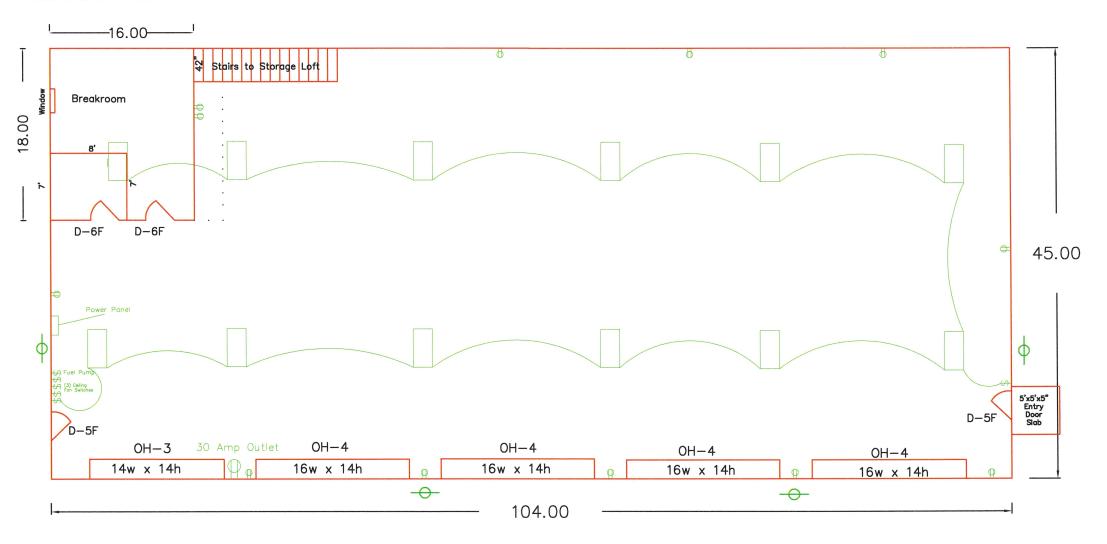
LIGHTED EXIT SIGNS (WITH BATTERY BACK-UP) SHALL BE PROVIDED AT EACH MANDOOR.

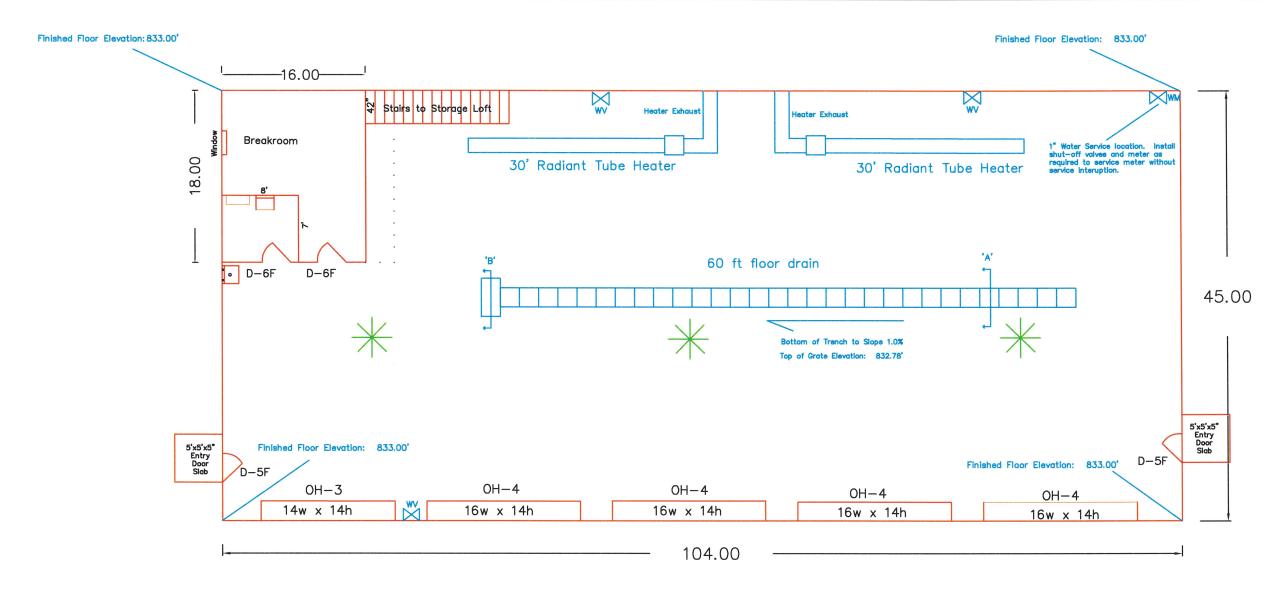
CONTRACTOR SHALL PROVIDE SWITCH AT SOUTH MANDOOR TO POWER (110V) CIRCUIT TO BE RUN OUTSIDE TO FUEL TANK. PROVIDE SWITCH AND CONDUIT THROUGH BUILDING FLOOR OR WALL. CONNECTION OF WIRING OUTSIDE OF BUILDING TO FUEL TANK PUMP SHALL BE INSTALLED BY CONTRACTOR.

OWNER SHALL SUPPLY TEMPORARY POWER FROM EXISTING BUILDING.

LIGHTING SCHEDULE							
Room Location	No. Units	Unit Description					
Breakroom	3	LED Light Fixtures, 2 lamps (4 ft.) (Min. 4000 Lumens)					
Rest Room	1	Minimum 150 CMF Fan, vented to exterior					
Kest Keen	1	LED Light Fixtures, 2 lamps (2 ft.) (Min. 7000 Lumens)					
Finished Storage	12	LED High Bay Light Fixtures, 4 lamps (4 ft.) (Min. 20,000 Lumens)					
Building Exterior	4	LED Exterior Wall Packs with Single Photo Eye (Min. 5,000 Lumens)					

FLECTRICAL SCHEDULE
1 - Minimum 200 AMP 1-Phase power Panel, with 40 sp. & Main Breaker
Furnace to have a fused shut off switch
Meter Socket & conduit





### PLUMBING NOTES:

4" Diameter Breakroom Sewer Line and trench drain sewer line to existing city sewer manhole. Location will be identified by Clinton County. See sheet A.09 for trench drain details. Bathroom floor drain to tie into sanitary sewer line. Pipe to be PVC. All sanitary and vent pipe to be located within walls. Trench drain outlet shall connect to sanitary sewer lateral.

Restroom facilities shall meet the minimum standards for the American Disability Act.

All water lines to be 1" diameter rigid copper pipe or PEX. Water line drops and risers shall be placed on the surface of steel liner panels on walls.

Contractor shall connect building water piping to City of Delmar water supply.

Breakroom Furnace/AC: Furnish and install Fujitsu Model# 12RLS3H wall mounted heating and air conditioning unit or approved equivalent.

Contractor shall supply and install 175,000 BTU natural gas fired ceiling mounted furnace capable of heating finished storage area. Mounting height from ceiling shall be per manufacturer's recommendations. Thermostat control mounted on wall. Contactor shall submit proposed furnace make and model for approval before ordering.

Contractor will be required to connect the furnace to the City of Delmar Natural Gas on the South side of the building (shown on sheet A.03).

TRENCH DRAIN GRATES (Provided and Installed by Contractor): NEENAH Foundry PH: 920-729-3688

24" Sections, Non bolted

60 lineal feet of trench drain (30 Sections) (each section is 24" long x 14" x 1.5") Non-Bolted

R-4990-DX, Type A

	MECHANICAL SCHEDULE
No. Items	Description
1	1.5 Gal., water saver stool (Kohker Elmbrook white)
1	Large basin mop sink/lavatory
1	Wall mounted utility sink (restroom)
1	10 Year, 20 Gal., high efficient electric water heater
1	Wall mounted electric furnace and air conditioning unit (mini split), thermostat control (breakroom only)
2	30'-0" Long Propane fired ceiling mounted low intensity tube heater furnace (Single Stage) with min 175,000 BTL and Thermostat Controlled.
3	Single direction, 60" industrial ceiling fans. Each with seperate switch with variable settings.
1	1,500 gallon Norwesco Septic Tank (Part #41761) with 2—24" Norwesco Manhole extensions (Part #62396) Provided and Installed by Clinton County.

REVISIONS		SHEET TITLE	MECHANICAL			DWG FILE	DATE
DATE			MECHANICAL			an resource y	APR 2024
_	LINTON COLINTY	PROJECT NUM	BER .	STATE	FHWA REGION	FISCAL	SHEET NO.
	LINTON COUNTY	DELMAR	SHED - UNIT 3	IOWA	7	2024	A.06

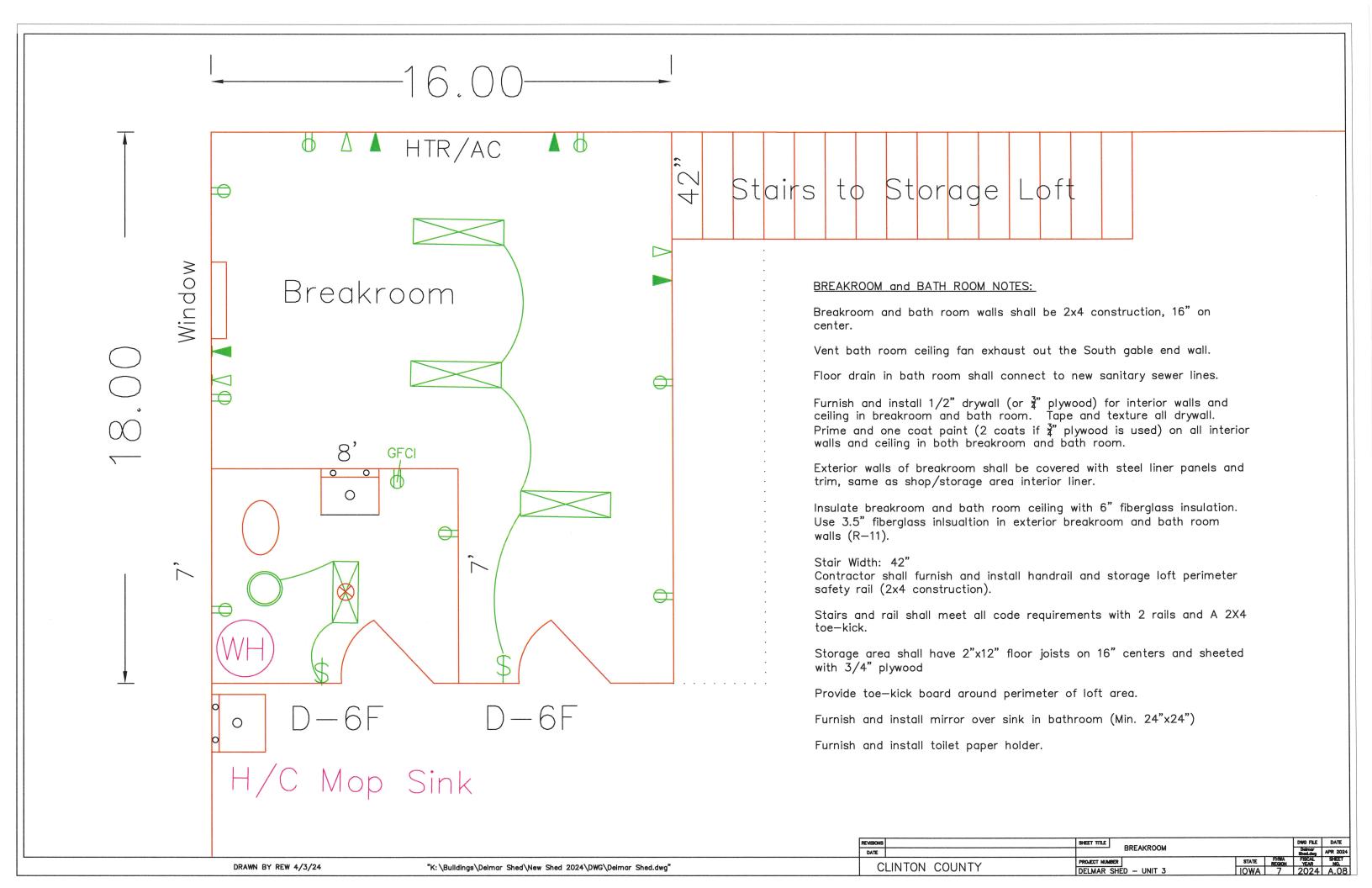
	DOOR SCHEDULE									
No. Units		Door ( WD	Opening HT	Size THK	Door Matrl.	Door Glass	Door Frame Matrl.	Fire Rating	Lock Set	Remarks
2	D-5F	36"	80"	13"	Steel	N/A	Steel Frame	90 min.	See Note 1	Double Prime, Insulated
2	D-6F	36"	80"	13"	Masonite	N/A	Wood Frame	N/A	See Note 2	6-Panel
1	OH-3	14'	14'	1-3"	Galvanized Steel per ASTM 924 and A-653	2	Wood Frame	None	Std	Raynor ThermaSeal Standard, white, R16.4 insulation, with joint seals, or approved equivalent
4	OH-4	16'	14'	1-3"	Galvanized Steel per ASTM 924 and A-653	2	Wood Frame	None	Std	Raynor ThermaSeal Standard, white, R16.4 insulation, with joint seals, or approved equivalent

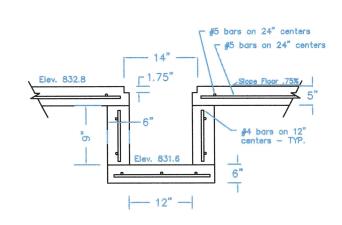
① Exterior doors shall include 3—Hinges, and entrance lockset (lockset to have keypad for keyless entry, submit product date for approval), surface closer, weatherstripping, threshold and door sweep.

Nates: Door Types OH-3 and OH-4 (4 total) shall be installed with Liftmaster T-33-11-L-3 (\frac{1}{3} Hp) or approved equivalent automatic door openers. Overhead doors shall have 16-guage tracks and 14-guage hardware. Specified paint, doors, windows, locks, faucets, and flooring may be substituted with a pre-approved (prior to bid submittal) equivalent.

	WINDOW SCHEDULE
No. Units	Description
1	200 Series, Anderson Permashield 244 DH3040 Double Hung (white interior and exterior finish).
	See office detail on sheet A.08 for installation location.

<sup>2</sup> Interior doors shall include 3-hinges, passage lockset for breakroom and privacy lockset for restroom, door stop and door silencers.

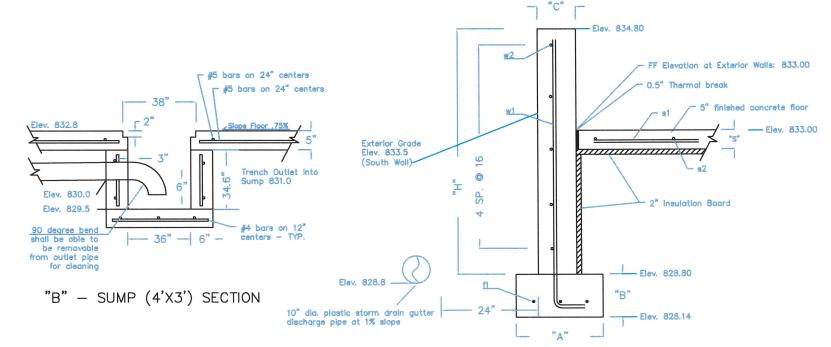


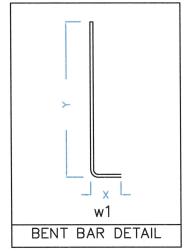


"A" — TRENCH SECTION East End

20 8 8 6'-0 5 5 8 5 2'-0 5 2'-0 5 2'-0

DIMENSIONS





"C" — FOUNDATION WALL SECTION AT START OF STORM SEWER (FIRST GUTTER DROP) (Gutter Drainage Discharge)

Clinton County shall supply 10" diameter plastic pipe for gutter drainage. Contractor shall provide, place and backfill and install 10"x8" tees at 4 drop locations and connect piping. Storm sewer pipe will be backfilled with Class A stone provided by the county to 6" above top of pipe.

REVISIONS SHEET TITLE FOUNDATION DETAIL

FOUNDATION DETAIL

FOUNDATION DETAIL

FOUNDATION DETAIL

PROJECT MANSER

CLINTON COUNTY

DELMAR SHED — UNIT 3

DELMAR SHED — UNIT 3

DELMAR SHED — UNIT 3

DELMAR SHED — UNIT 3