KJELDSEN SINNOCK NEUDECK
CIVIL ENGINEERS & LAND SURVEYORS

Stephen K. Sinnock, P.E.
Christopher H. Neudeck, P.E.
Neal T. Colwell, P.E.
Barry O'Regan, P.E.

2267-0060

May 20, 20226

ADDENDUM NO. 01

OWNER: Reclamation District No. 108

PROJECT: Operations Building

BID OPENING: **The Bid opening date is scheduled for:**
Tuesday, May 26, 2026 at 3:00 p.m.

NOTICE TO BIDDERS AND PLAN HOLDERS: Please note the following revisions, additions, deletions, changes and/or modifications for the above referenced project.

Bidders must include this Addendum as part of the documents furnished for the preparation of the Bidder's proposal. **Failure to include this Addendum No. 01 in the Bidder's proposal may result in rejection of the Contractor's Bid.**

PLANS:

SHOP BUILDING PLANS
Replace project plan sheets as follows:
Replace all project plan sheets with the attached project plans sheets. Revision clouds have be added where changes or additions have occurred.

SPECIFICATIONS:

METAL BUILDING SYSTEMS – 13 34 19
Modify roof slope requirements as follows:
Replace the Metal Building Systems Specification page with the attached Addendum No.01 Metal Building Systems Specification page indicating the roof slope is to be 1.5 inch in 12 inches.

CAST-IN-PLACE CONCRETE – 03 30 00
Remove concrete coloring requirements as follows:
Replace the Cast-in-Place Concrete Specifications page with the attached Addendum No.01 Cast-in-Place Concrete Systems Specification page removing the concrete coloring agent information.

SUPPLEMENTAL INFORMATION:

CONCTRACTOR QUESTIONS AND ANSWERS
Contractor questions and answer sheet from the initial site walk, attached for reference.

Sincerely,
KJELDSEN, SINNOCK & NEUDECK, INC.

Barry O'Regan

Barry O'Regan, Principal Engineer

List of questions received:

Q: Will the overhangs need to be soffitted?

A: Yes. See revised plans.

Q: Will the awning need to soffited?

A. Yes. See revised plans.

Q. Can you provide more detail on the awning's structural elements?

A. Yes. See revised plans.

Q. Can you provide more detail on other elements of the building's structural elements?

A. No. Contractor will need to develop plans for permit approval by Colusa County.

Q. Will electric conduits need to be stubbed in?

A. Yes. See revised plans.

Q. Will the District pay the permit fees directly?

A. Yes. District will pay all permit fees.

Q. The roof slope in the specifications of 3 inches in 12 inches, doesn't match the plans which is 1.5 inches in 12inches.

A. Roof slope will be 1.5 inches in 12 inches. Specifications revised accordingly.

Q. Can any spoils be left onsite?

A. Yes, any spoils not contaminated by Contractor actions or activities can be left on an identified site on the project parcel.

Q. What is the finished floor elevation?

A. Finished floor will be 6 inches above existing sidewalk adjacent to the existing house. See revised plans.

Q. What type of concrete finish is required?

A. **Trowel finish in the bathroom area, sloped to drain; brush finish in the shop.**

Q. The Title 24 certification summary included with the plans offered to options for insulation. Which one should be included in the bid?

A. Either Option A or Option B are acceptable. Bidder to select their preferred option.

Q. If we install metal building wall panels over r-10 insulation, is the metal building contractor required to also install the r-13 insulation in the open wall cavities, or will the interior framer do this during a later phase?

A. **R13 within the wall cavity is not In this phase**

Q. Will any of the metal building concrete be colored with the 10 lbs/yard spec listed, or is that spec not used in this phase?

A. **No colored concrete in this phase. Specifications revised accordingly**

Q. May we instead provide Milgard Trinsic or Tuscany Vinyl windows, to eliminate moisture sweat through the specified aluminum framed windows?

A. **Assume white vinyl windows per the exterior elevation design shown on the plans.**

Q. Is there a spec on the Man-Doors? Knock-down vs pre-assembled, self-closing, kick-plates, etc?

A. **The north doors on the building face are to be clear anodized aluminum store front, self-closing with hold open device, ADA compliant. East, south and west man doors are to be preassembled steel exterior, self-closing with hold open device, and kickplates. West man door is to be half glass style.**

G. Mineral Admixture: Fly Ash Pozzolan; ASTM C618, Class F supplementary optional chemical and physical requirements of Tables 1A and 2A, except that the maximum sulfur trioxide must be 4 percent and the maximum loss on ignition must be 1.5 percent.
   1. Acceptable Manufacturers/Products, as listed below and meeting the criteria and requirements specified herein, will be acceptable:
      a. Boral Resources; Class F Fly Ash.
      b. SEFA; Star Refined Pozzolan, Class F Fly Ash.
      c. Diversified minerals, Inc.; DMI Class F Fly Ash.
      d. For manufacturers/products not listed, comply with substitution requirements in Section 01 25 00.

H. Corrosion Inhibitor: ASTM C494 Type C, All reinforced (including clips and ties) concrete in contact with soil must have a corrosion inhibitor added. The dosage rate for the corrosion inhibiting admixture must protect the reinforcing bars in concrete from chloride concentrations as high as 7,000 ppm.
   1. If a calcium nitrite inhibitor is used, the dosage rate must not be less than two gallons per cubic yard of concrete. The calcium nitrite inhibitor solution must contain a minimum of 30 percent calcium nitrite.
   2. A corrosion inhibitor is not necessary in any concrete placed without embedded steel.
   3. Acceptable Manufacturers/Products, as listed below and meeting the criteria and requirements specified herein, will be acceptable:
      a. GCP Applied Technologies; DCI.
      b. Sika Corporation; CNI.
      c. Euclid Chemical Company; Eucon CIA.
      d. For manufacturers/products not listed, comply with substitution requirements in Section 01 25 00.

~~. Concrete Encasement Coloring Agent: Mix into concrete as required at the rate of 10 pounds of agent per cubic yard of concrete.~~

~~2.4~~2.3 ACCESSORIES

A. Curing and Sealing Compounds:
   1. For Typical Exterior Flatwork (such as walks and driveways): Dissipating, film-forming, non-yellowing, water-based resin liquid curing membrane, with not less than 15 percent solids, clear with fugitive dye; ASTM C309, Type 1D, Class B; conforming to volatile organic compound (VOC) limits established in South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings.
      a. Acceptable Manufacturers/Products, as listed below and meeting the criteria and requirements specified herein, will be acceptable:
         1) W.R. Meadows; SealTight 1100.
         2) Dayton Superior; Clear Resin Cure J11W.
         3) For manufacturers/products not listed, comply with substitution requirements in Section 01 25 00.

B. Sheet Curing Material: ASTM C171.

C. Bonding Agent: Polyvinyl acetate, rewettable type, with visible tinted pigment to verify coverage.
   1. Acceptable Manufacturers/Products, as listed below and meeting the criteria and requirements specified herein, will be acceptable:
      a. Euclid Chemical Company; Euco-Weld.

P. ASTM A500 - Normalized High-Strength Low-Alloy Structural Steel Plates.

Q. ASTM A501 - Hot-Formed Welded and Seamless Carbon Steel Structural Tubing.

R. ASTM A529/A529M - High-Strength Carbon-Manganese Steel of Structural Quality.

S. ASTM A572/572M - High-Strength Low-Alloy Columbium-Vanadium Structural Steel.

T. ASTM A653/A653M - Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

U. ASTM A792/A792M - Steel Sheet, 55 Percent Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.

V. ASTM A992/A992M - Standard Specification for Structural Steel Shapes.

W. ASTM A1011/A1011M - Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength.

X. ASTM C553 - Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications.

Y. ASTM C612 - Mineral Fiber Block and Board Thermal Insulation.

Z. ASTM C665 - Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.

AA. American Welding Society (AWS):

BB. AWS A2.4 - Standard Symbols for Welding, Brazing and Nondestructive Examination.

CC. AWS D1.1 - Structural Welding Code - Steel.

DD. IR 16-7: Wind Load Determination - Alternative Method. California Department of General Services - Division of the State Architect, Interpretation of Regulations Document.

1.3 SYSTEM DESCRIPTION

A. Clear span rigid frame type and modular rigid frame type supported with intermediate columns as indicated.

B. Primary Framing: Rigid frame of rafter beams and columns, canopy beams, intermediate columns, end wall columns, and wind bracing.

C. Secondary Framing: Purlins, girts, eave struts, flange bracing, sill supports, clips, and other items detailed.

D. Wall and Roof System: Preformed metal panels of indicated profile, with sub-girt framing/anchorage assembly, sag rods, insulation, and accessory components.

E. Roof Slope: ~~3~~ 1.5 inch in 12 inches, unless otherwise indicated.

APPLICANT:

Reclamation District 108
975 Wilson Bend Road
Grimes, CA 95950
(530) 437-2221

STRUCTURAL ENGINEER:

James Oki
542 Messick Road
Yuba City, CA 95991
(530) 674-7755

ARCHITECTURAL DESIGN:

Valerie Ehrke Design
P.O. Box 1444
Arbuckle, CA 95912
(530) 681-1218

ZONING:

Commercial

NOTES

OCCUPANCY GROUP	U
TYPE OF CONSTRUCTION	V-B
STORIES	ONE
BUILDING FOOTPRINT (60 X 100)	6000 SQ. FT.

A.P.N. NO.: 022-130-058-000

OCCUPANT LOAD PER 1004.1.2:

6000 ÷300 = 20 (UTILITY (SHOP))

TOTAL OL = 20

EXITING WIDTH REQUIRED:

.2 X 20 = 4 INCHES

SCOPE OF WORK:

NEW 60' X 100' STEEL BUILDING SHELL

THE 2026 CBC, CMC, CPC AND CEC AS AMENDED BY THE STATE OF CALIFORNIA AND THE COUNTY OF COLUSA ARE APPLICABLE TO THIS PROJECT

1.01 WRITTEN DIMENSIONS SUPERCEDE SCALED DIMENSIONS

DRAWING INDEX

Valerie Ehrke Design
vehrke69@gmail.com
P.O. Box 1444
Arbuckle, CA 95912
(530) 681-1218

Reclamation District 108 - Operations Building - Phase 1 Bldg Shell
975 Wilson Bend Road
Grimes, CA 95950

DESCRIPTION	DATE	DESCRIPTION	DATE

DRAWN BY: VEE
DATE: 4-14-2026
PROJECT NO.
SCALE:
△ -

REGISTERED PROFESSIONAL ENGINEER
JAMES OKI
No. C041591
Exp. 12-31-27
CIVIL
STATE OF CALIFORNIA

SHEET NO.
A-1.0

Valerie Ehrke Design
vehrke69@gmail.com
P.O. Box 1444
Arbuckle, CA 95912
(530) 681-1218

NOTES:

APN: 022-130-058-000
4.00 ACRES

WILKINS SLOUGH

EXISTING SHOP

EXISTING STORAGE BUILDING

EXISTING OFFICE BLDG

LAWN

LIGHT POLE

WILSON BEND ROAD

EXISTING GENERATOR
TO REMAIN (NIC)

EXISTING ELECTRICAL
PANEL TO REMAIN (NIC)

SLAB ELEVATIONS TO BE
6" HIGHER THAN SIDEWALK
@ (E) RESIDENCE

PROPOSED 60' X 100' BLDG SHELL
NO INFILL THIS PERMIT

WASTE LINES FOR FUTURE
FIXTURES TO BE INSTALLED
IN THIS PHASE ONE CONTRACT

EXISTING RESIDENCE

+/- 70'

CAP WASTE LINE FOR
FUTURE SEPTIC SYSTEM

DRAWING INDEX

Reclamation District 108 - Operations Building - Phase 1 Bldg Shell

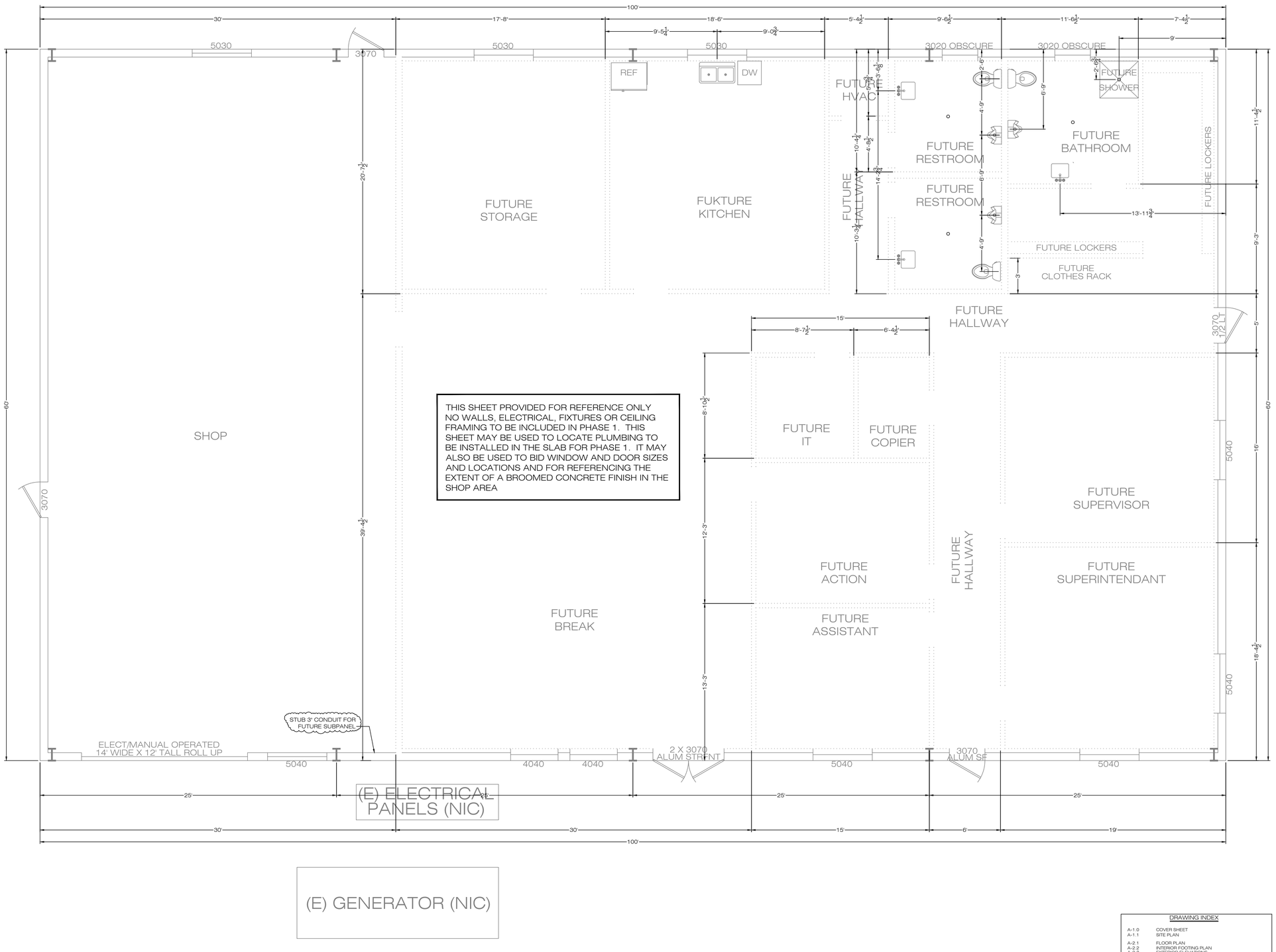
975 Wilson Bend Road
Grimes, CA 95950

DESCRIPTION	DATE	DESCRIPTION	DATE

DRAWN BY: VEE
DATE: 4-14-2026
PROJECT NO.
SCALE: SCALE: 1" = 30'-0"
△ .

REGISTERED PROFESSIONAL ENGINEER
No. C041591
Exp. 12-31-27
CIVIL
STATE OF CALIFORNIA

SHEET NO.
A-1.1



THIS SHEET PROVIDED FOR REFERENCE ONLY
NO WALLS, ELECTRICAL, FIXTURES OR CEILING FRAMING TO BE INCLUDED IN PHASE 1. THIS SHEET MAY BE USED TO LOCATE PLUMBING TO BE INSTALLED IN THE SLAB FOR PHASE 1. IT MAY ALSO BE USED TO BID WINDOW AND DOOR SIZES AND LOCATIONS AND FOR REFERENCING THE EXTENT OF A BROOMED CONCRETE FINISH IN THE SHOP AREA

NOTES:

15.16 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS SHALL COMPLY WITH 2013 CBC, 11B-404.2.4.1

Valerie Ehrke Design
vehrke69@gmail.com
P.O. Box 1444
Arbuckle, CA 95912
(530) 681-1218

Reclamation District 108 - Operations Building - Phase 1 Bldg Shell
975 Wilson Bend Road
Grimes, CA 95950

DESCRIPTION	DATE	DESCRIPTION	DATE

DRAWN BY: VEE
DATE: 4-14-2026
PROJECT NO.
SCALE: 1/4" = 1'-0"
△ -

REGISTERED PROFESSIONAL ENGINEER
VALERIE EHRKE
No. C041501
Exp. 12-31-27
CIVIL
STATE OF CALIFORNIA

SHEET NO.
A-2.1

DRAWING INDEX

WASTE LINES FOR FUTURE TOILETS, URINALS AND SINKS TO BE INSTALLED PRIOR TO POURING SLAB

DESIGN BY STEEL BLDG MFR

20" WIDE X METAL BLDG DESIGN DEPTH CONC FTG W/ 3 - #5 CONT T & B (UNDER BEARING WALL)

29'-9 1/4"

70'-2 3/4"

10 A2.7

5030 | 3070 | 5030 | 5030 | 3020 OBSCURE | 3020 OBSCURE

REF

DW

FUTURE HVAC

FUTURE SHOWER

FLOOR DRAIN PER CODE

FUTURE BATHROOM

FUTURE RESTROOM

FUTURE RESTROOM

FUTURE LOCKERS

FUTURE CLOTHES RACK

12'-0 3/4"

12" WIDE X 12" THK CONC FTG W/ 2 - #5 CONT T & B

FUTURE STORAGE

FUKTURE KITCHEN

FUTURE HALLWAY

19'-11 1/4"

20'-0"

17'-7 1/2"

40'-3 3/4"

5'-4 1/2"

14'-3"

3070

3211

DESIGN BY STEEL BLDG MFR

60'-0"

12" WIDE X 12" THK CONC FTG W/ 2 - #5 CONT T & B

SHOP

(BROOM FINISH CONCRETE)

(SMOOTH FINISH CONCRETE FOR FUTURE OFFICE SPACE FLOORING)

8'-10 1/2"

ANCHOR BOLTS FOR THESE HDU2'S TO BE INSTALLED DURING PHASE ONE FOUNDATION POUR

FUTURE IT

FUTURE COPIER

17'-10 1/2"

ANCHOR BOLTS FOR THESE HDU2'S TO BE INSTALLED DURING PHASE ONE FOUNDATION POUR

12" WIDE X 12" THK CONC FTG W/ 2 - #5 CONT T & B

5040

16'-0"

FUTURE SUPERVISOR

19'-9"

FUTURE SUPERINTENDANT

TYP 9 A2.7

3070

13'-3"

12" WIDE X 12" THK CONC FTG W/ 2 - #5 CONT T & B

FUTURE ACTION

FUTURE HALLWAY

FUTURE ASSISTANT

4'-6" SQ X 1'-0" THK CONC FTG W/ 5 - #5 E.W. BOTTOM

4'-6" SQ X 1'-0" THK CONC FTG W/ 5 - #5 E.W. BOTTOM

TYP 9 A2.7

20'-2 1/4"

FUTURE BREAK

20" WIDE X METAL BLDG DESIGN DEPTH CONC FTG W/ 3 - #5 CONT T & B (UNDER BEARING WALL)

17'-8 1/4"

5040

STUB 3" ELECT CONDUIT FOR FUTURE SUBPANEL

FTG UNDER MAINFRAME DESIGN BY STEEL BLDG MANUFACTURER (TYP OF 10)

12" WIDE X 12" THK CONC FTG W/ 2 - #5 CONT T & B

ANCHOR BOLTS FOR THESE HDU2'S TO BE INSTALLED DURING PHASE ONE FOUNDATION POUR

ELECT/MANUAL OPERATED 14' WIDE X 12' TALL ROLL UP

5040 | 4040 | 4040 | 5040 | 5040

2 X 3070 ALUM STRFNT

3070 ALUM SIL

10 A2.7

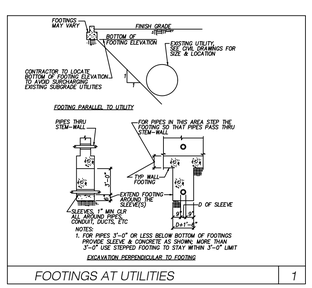
29'-9 1/4" | 29'-11" | 40'-3 3/4"

100'-0"

DESIGN BY STEEL BLDG MFR

(E) ELECTRICAL PANELS (NIC)

(E) GENERATOR (NIC)



FOOTINGS AT UTILITIES | 1

NOTE:

1. ALL WORK TO BE IN ACCORDANCE WITH THE ENGINEERS DRAWINGS & SPECIFICATIONS .

2. ALL FOUNDATIONS TO BE BEAR A MINIMUM OF 12" BELOW UNDISTURBED SOIL.

3. CONCRETE fc = 3000psi

4. REINFORCEMENT fy = 60ksi

5. ALL TIMBER TO BE DRY DF#2 OR BETTER & TO BE A MINIMUM OF 8" ABOVE FINISHED GRADE.

6. REFER TO FLOOR PLAN FOR SETTING OUT.

7. ALLOWABLE SOIL BEARING PRESSURE = 1500psf.

8. ALL ANCHOR BOLTS, HOLDOWNS & REINFORCEMENT SHALL BE IN PLACE & TEMPLATED AT FOUNDATION INSPECTION. NO WET SETTING IS PERMITTED.

9. REFER TO DETAIL SHEETS FOR TYPICAL FOUNDATION & FRAMING DETAILS.

DRAWING INDEX

Valerie Ehrke Design
vehrke69@gmail.com
P.O. Box 1444
Arbuckle, CA 95912
(530) 681-1218

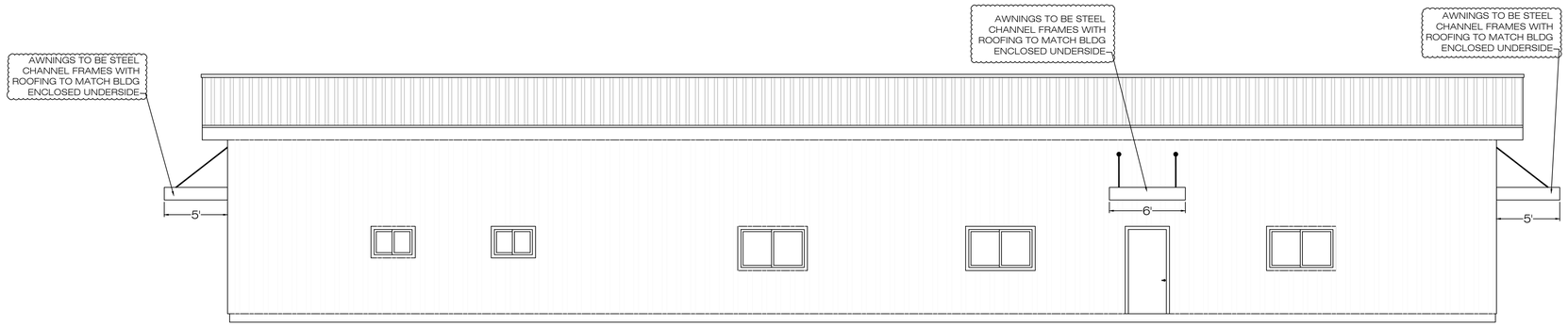
Reclamation District 108 - Operations Building - Phase 1 Bldg Shell
975 Wilson Bend Road
Grimes, CA 95950

DESCRIPTION	DATE	DESCRIPTION	DATE

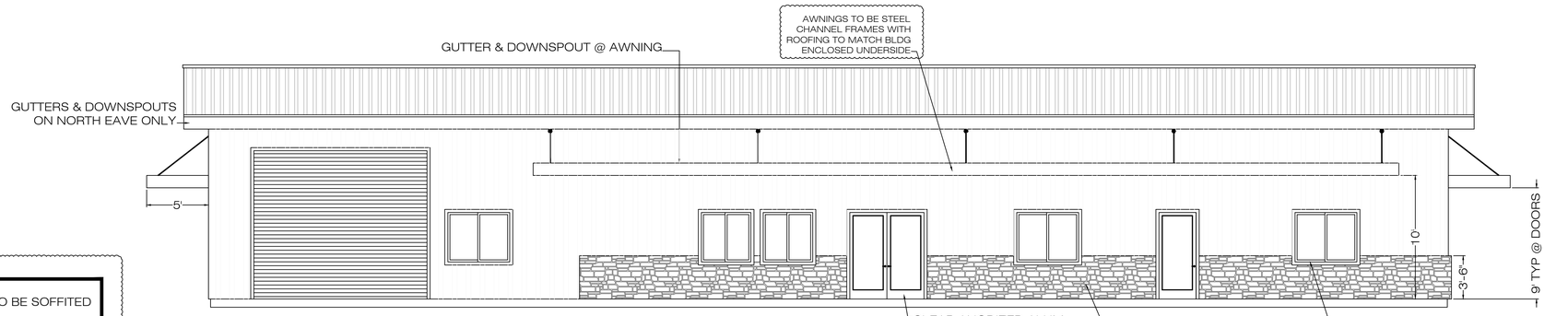
DRAWN BY: VEE
DATE: 4-14-2026
PROJECT NO.
SCALE: 1/4" = 1'-0"
△ -

HEATHCOCK PROFESSIONAL ENGINEERS No. C041591 Exp. 12-31-27 CIVIL STATE OF CALIFORNIA

SHEET NO.
A-2.2

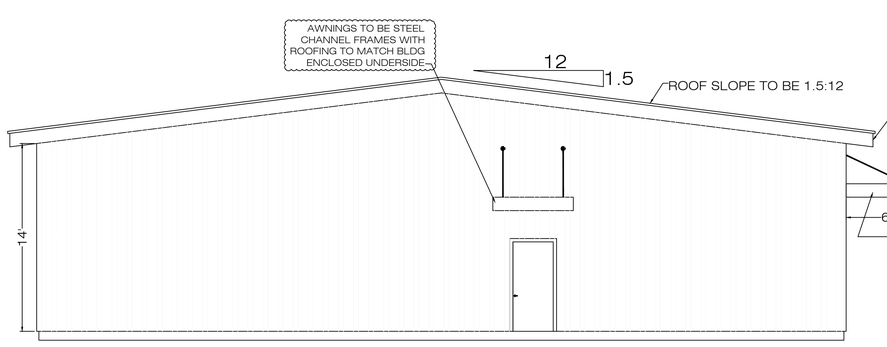


SOUTH ELEVATION

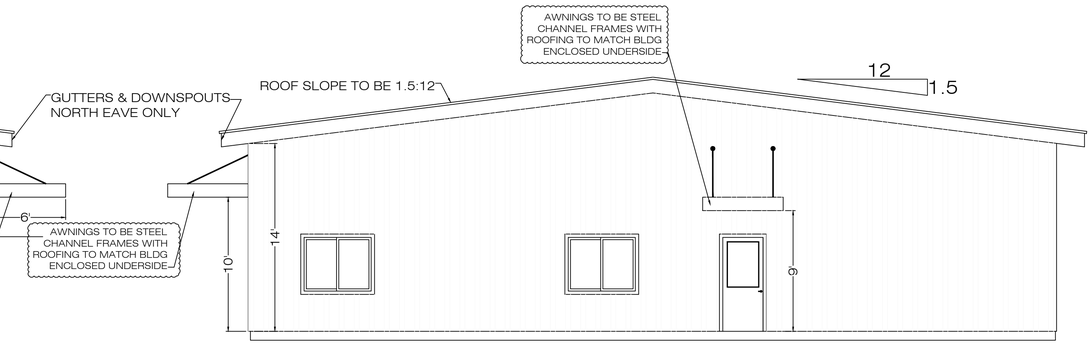


NORTH ELEVATION

*ALL EAVES ARE TO BE SOFFITED



EAST ELEVATION



WEST ELEVATION

EXTERIOR DOORS & WINDOWS TO BE INCLUDED IN THIS PHASE ONE CONTRACT

MINIMUM VALUES FOR DOORS/WINDOWS

	OPERABLE WINDOWS	DOORS
U FACTOR	.46 OR LESS	.41 OR LESS
RSHGC	.22 OR LESS	.26 OR LESS
VT	.32 OR MORE	.46 OR MORE

DRAWING INDEX

Valerie Ehrke Design
vehrke69@gmail.com
P.O. Box 1444
Arbuckle, CA 95912
(530) 681-1218

Reclamation District 108 - Operations Building - Phase 1 Bldg Shell
975 Wilson Bend Road
Grimes, CA 95950

DESCRIPTION	DATE	DESCRIPTION	DATE

DRAWN BY: VEE
DATE: 4-14-2026
PROJECT NO.
SCALE: 3/16" = 1'-0"
⚠ -

REGISTERED PROFESSIONAL ENGINEER
JAMES B. KAY
No. C041591
Exp. 12-31-27
CIVIL
STATE OF CALIFORNIA

SHEET NO.
A-2.3

DETAIL 1

DETAIL 2

DETAIL 3

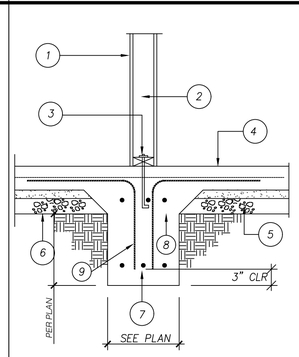
DETAIL 4

DETAIL 5

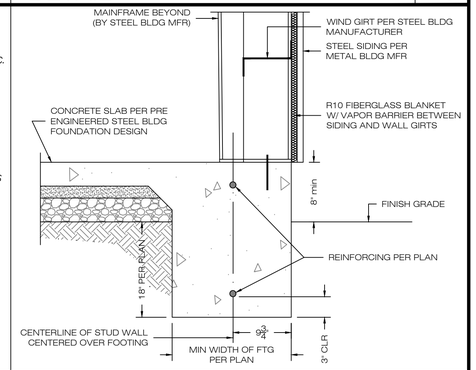
DETAIL 6

DETAIL 7

DETAIL 8



1. GYP. BOARD PER PLAN – SEE PLAN FOR SHEAR WALL CONDITION
2. 2X DF #2 STUD WALL @ 16" O.C.
3. P.T. PLATE W/ 5/8" ø ANCHOR BOLTS (MIN. 7" INTO CONC., MIN 2 BOLTS PER PLATE) SPACED AS NOTED ON FOUNDATION PLAN. 3" X 3" X 0.229" PLATE WASHERS ON STRUCTURAL BOLTS
4. 5" CONCRETE SLAB SEE FOUNDATION PLAN FOR CONSTRUCTION
5. 6" CLEAN CRUSHED ROCK
6. BUILDING PAD
7. 3 – #5 CONT. TOP & BOTTOM OF FOOTING PER PLAN
8. OPTIONAL COLD JOINT
9. 4' LONG #4 DOWEL AT 48" O.C. WITH COLD JOINT ONLY



DETAIL 9

DETAIL 10

DETAIL 11

DETAIL 12

DETAIL 13

DETAIL 14

DETAIL 15

DETAIL 16

DETAIL 17

DETAIL 18

DETAIL 19

DETAIL 20

DRAWING INDEX

Valerie Ehrke Design
vehrke69@gmail.com
P.O. Box 1444
Arbuckle, CA 95912
(530) 681-1218

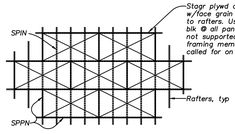
Reclamation District 108 – Operations Building – Phase 1 Bldg Shell
975 Wilson Bend Road
Grimes, CA 95950

DESCRIPTION							
DATE							
DESCRIPTION							
DATE							

DRAWN BY: VEE
DATE: 4-14-2026
PROJECT NO.
SCALE: 1" = 1'-0"
△ .

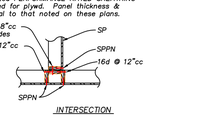
REGISTERED PROFESSIONAL ENGINEER
No. C041591
Exp. 12-31-27
CIVIL
STATE OF CALIFORNIA

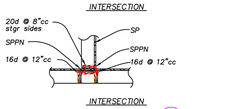
SHEET NO.
A-2.7



CONVENTIONAL ROOF OR FLOOR SHEATHING LAYOUT (21)

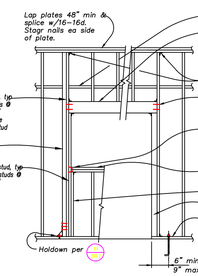
Notes:
1. All roof sheathing to be CDX, 5 ply min. Panel index 32/16 @ Roof & Floor.
2. Use SPPN of 8d @ 6"cc @ Roof & 10d @ 6"cc @ Floor or as otherwise indicated on plans @ all panel edges, shear walls, ties & blks. SPIN to all interior bearings w/ 8d @ 12"cc @ Roof & 10d @ 12"cc @ Floor. Do not break any face plys w/ nail heads. The min edge distance for nails shall be 3/8" in the plywd & in the receiving member.
3. ICBO accepted & APA rated PERFORMANCE RATED SHEATHING panels may be substituted for plywd. Panel thickness & span rating shall be equal to that noted on these plans.



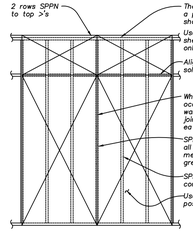


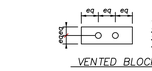
SHEATHED STUD WALL FRAMING DETAILS (22)

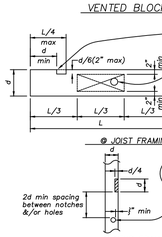
All studs shall be 2x's, typ UNO



FRAMED WALL OPENINGS (19)

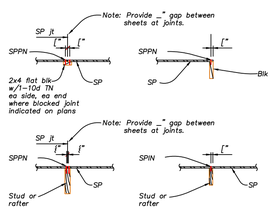


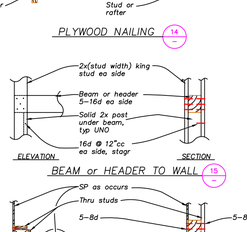




BORING & NOTCHING DETAILS (13)

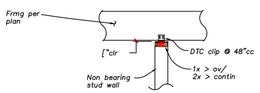
Note:
1. Notching & boring of main struct members shall be only that shown on plans or approved by the Structural Engineer.
2. See Carpentry note #3 for boring & notching at wall plates.

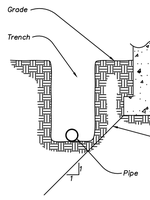


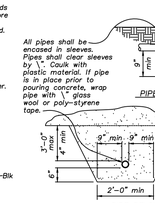


CEILING JOIST SCHEDULE

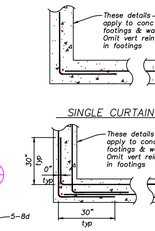
SPAN	DEPTH & SPACING
OPTION #1	
up to 8'	2x4 @ 16"cc
8' to 12'	2x6 @ 16"cc
12' to 16'	2x8 @ 16"cc
16' to 20'	2x10 @ 16"cc
OPTION #2	
up to 6'	2x4 @ 24"cc
6' to 10'	2x6 @ 24"cc
10' to 14'	2x8 @ 24"cc
14' to 18'	2x10 @ 24"cc
18' to 20'	2x12 @ 24"cc

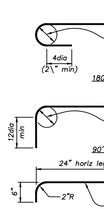


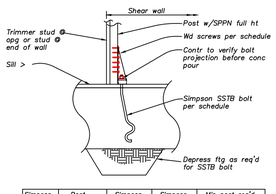




NOTES:
1. Pipe only, conduit may be cast directly into concrete.
2. Pipes must be aligned perpendicular to footings.
3. No pipes allowed through spread footings.







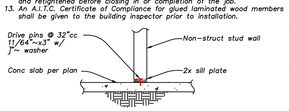
Simpson HD No.	Post Screws	Simpson SSTB Bolt (Mono Pour)	Simpson SSTB Bolt (Two Pour)	Min post req'd (match stud width)
HDU2	6–SDS(x2\	SSTB16	SSTB20	4x
HDU4	10–SDS(x2\	SSTB20	SSTB24	4x
HDU5	14–SDS(x2\	SSTB24	SSTB24	4x
HDU8	20–SDS(x2\	SSTB28	SSTB34	6x
HDUT1	30–SDS(x2\	See Note #5	See Note #5	8x
HDUT4	36–SDS(x2\	See Note #5	See Note #5	8x

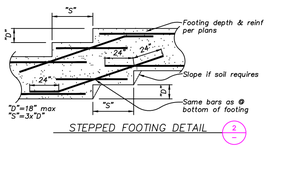
HOLD DOWN (HD) (11)

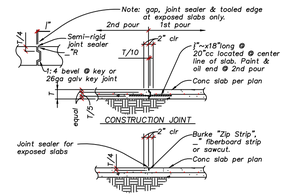
Note:
1. HD's do not substitute for sill bolts.
2. Install HD's per Simpson's instructions.
3. HD post may be used as King stud
4. HD shall be hot–dipped galvanized
5. 1"~ x 36"L A307 AB w/ hex head @ embed end

CARPENTRY NOTES:

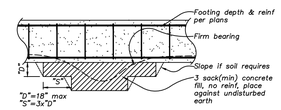
1. All structural wood shall conform with the latest edition of the following specifications:
   - Douglas Fir.....West Coast Lumbermens Association Grading Rules #16.
   - Redwood.....California Redwood Association Grading Rules.
   - Glued laminated members.....Standard Specification of Structural Glued Laminated Timber AITC 117
   - Structural Plywood.....U.S. Product Standard PS 1 for Softwood Plywood.
   - Structural Composite Lumber.....ICC–ES–ESR–1387
     - Microllam LVL – Fb = 2600 psi, 2.0 E
     - Parallam PSL – Fb = 2900 psi, 2.2 E
2. All lumber shall be Douglas Fir Larch with a moisture content of 19% or less at the time of installation. Minimum grade shall be:
   - Douglas Fir No. 1 except 2x4 & 2x6 wall studs, plates & blkg may be Douglas Fir No. 2
   - Glued Laminated Members – Combination #24F–V4 or 24F–V8 at continuous or cantilevered spans.
   - Structural Plywood – APA C–D Exterior Glue
3. Bearing and shear walls shall have double top plates, lapped at wall and partition intersections with 3–16d nails. Splice upper and lower plates as in detail on this sheet. Top or bottom plates when bored for pipes and conduits shall be spliced with Simpson ST 6236 straps on one side when notch is 1/3 the width of the plates. When the hole is 2/3 of the width of the plates use Simpson ST 6236 straps on each side of the plates. Bored holes shall be centered along the width of plates. Notching plates more than 1 of the width is not allowed. Notches in plates shall shall not be longer than the plate width and shall have a clear distance between any adjacent hole or notch of at least twice the plate width. Sill plates shall be placed in a bed of grout when required for full bearing on the foundation.
4. Provide solid blocking between joists or rafters at all supports, and at supports parallel to the framing provide blocking over support at the same spacing as the framing.
5. Provide cross bridging or full depth blocking for all roof rafters or floor joists that are 8| or more inches deep, at 8 feet on center maximum and at not more than 10 feet from supports. Cross bridging shall consist of 2x3 with 2–8d toe nails at each end or metal bridging installed with 2–8d nails at each end.
6. Joists under and parallel to partitions shall be doubled and stitch nailed together.
7. Provide blocking in all walls at the mid height of studs or so spaced that the unbraced length of studs does not exceed 10 feet. Provide blocking in walls at ceiling lines.
8. Provide solid blocking between any posts at floor framing in multi–story construction.
9. All wood framing members shall either bear on plates, beams, posts or be supported in a metal connector.
10. All light gage metal connectors for wood construction shall be SIMPSON "Strong–Tie" products as specified in their latest catalog or an approved equal. Install all connectors per manufacturers requirements, UNO.
11. Holes for bolts in wood shall be bored with a bit of the same nominal diameter as the bolt plus 1/16th of an inch. Holes for lag screws shall be bored at no more than 75% of the diameter of the root of the threads.
12. All bolts, expansion anchors and lag screws shall be provided with metal washers under the heads and nuts which bear on wood. Lag screws and wood screws shall be screwed and not driven into place. All bolts and lag screws shall be tightened on installation and retightened before closing in or completion of the job.
13. An A.I.T.C. Certificate of Compliance for glued laminated wood members shall be given to the building inspector prior to installation.







Note:
Construction joints & control joints shall divide slab into areas not exceeding 475 sq ft without reentrant corners & with length to width ratios not exceeding 1.5 to 1. Joint spacing shall not exceed 25 ft in either direction. Contractor shall submit layout plan showing proposed control & construction joints.



DETAIL NOT USED (5)

CONCRETE NOTES:

1. All concrete shall meet the following minimum specifications: Design strength at 28 days shall be 2500 psi. Cement content shall be a minimum of 5 sacks per cubic yard. Maximum slump shall be 4 inches. Aggregate size shall be compatible with pouring, placing and finishing conditions. Provide concrete additive "MOXI 1800" in slabs only.
2. All concrete shall conform with requirements of the latest edition of the ACI Code.
3. Cement shall conform with ASTM C–150, Type 1 or 2.
4. Concrete aggregates shall conform with ASTM C–33.
5. Remove all debris from the forms before pouring any concrete. No wood form spreaders or wood stakes shall be used in areas to be concreted.
6. Reinforcing dowels, bolts, anchors and on other items to be embeded in concrete shall be securely positioned before placing concrete.
7. Maximum free fall of concrete shall not exceed 6 feet in height.
8. Consolidate concrete by mechanical vibration supplemented by hand rodding or tamping. Use equipment and proceedures for consolidation of concrete in accordance with the recommendations of ACI 309 to suit the type of concrete and project conditions.
9. Construction joints shall be rough and all laitance removed from the surface. Concrete may be roughened by chipping the entire surface, sand blasting or hosing the surface after the pour with a fine water spray. Obtain Structural Engineer's approval for any CJ's not detailed on plans.
10. All formwork shall remain in place for the periods of time specified in the ACI Code as a minimum.
11. All concrete shall be cured by an approved method.
12. Follow the ACI recommendations for placing and curing concrete during hot or cold weather conditions.
13. Unless noted otherwise on plans the Contractor shall provide slab joints at a maximum spacing of 25' in each direction.
14. See Mechanical drawing for size and location of pipe, vent, duct and other similar openings. Placing of pipes and conduits in concrete shall be in accordance with the UBC.

CONCRETE REINFORCING NOTES:

1. Reinforcing steel shall conform with ASTM A615, Grade 60. Stirrups and ties may be Grade 40.
2. Reinforcing steel shall be fabricated according to the "Manual of Standard Practice for Reinforcing Concrete Construction".
3. All dimensions shown for locations of reinforcing steel are to face of reinforcing and denote clear coverage. Typical minimum coverages are:
   a. Cast against and permanently exposed to earth.....3"
   b. Formed and exposed to earth or weather:
      - #6 and larger.....2"
      - #5 and smaller.....1 1/2"
   c. Not exposed to weather nor in contact with earth: slabs, walls and joists.....3/4"
      - beams, girders and columns (main bars, ties and spirals).....1 1/2"
4. Welded wire fabric shall conform with ASTM A–185.
5. Splices in continuous reinforcement shall have a minimum lap of 40 bar diameters and splices in adjacent bars shall be at least 5'–0" apart. Bars may be wired together at splices or laps.
6. Dowel all vertical rebar in walls and columns from foundations with the same size bar as shown above, UNO at the location and spacing.
7. All rebar to be welded shall be ASTM A706 steel and shall be continuously inspected by a qualified laboratory. The Contractor must furnish to the laboratory mill certificates showing chemical analysis. All preheating and welding shall be done in accordance with AWS Standards.
8. Drill thru steel beams, columns and plates to pass cont reinforcing.

NAILING NOTES:

1. See excerpt from code at left side of sheet

TESTS and INSPECTIONS:

1. Tests and Inspections shall be provided by a qualified testing agency as marked below and shall conform to the requirements of the 2025 CBC Section 1704.

Tests:	Inspections:
☐ Fill Compaction	☐ Footing Excavation
☐ Reinforcing Steel	☐ Pile/Pier Installation
☐ Concrete	☐ Reinforcement Placement
☐ Structural Steel	☐ Concrete Placement
☐ Masonry	☐ Shop Welding
☐ Grout and Mortar	☐ Field Welding
☐ Mill Certificates for Reinforcing Steel	☐ High Strength Bolting
■ Expansion or Epoxy Anchors	☐ Masonry Placement & Grouting
	☐ Shear Stud Installation
	■ Expansion or Epoxy Anchors

STRUCTURAL STEEL NOTES:

1. Structural steel shall conform with ASTM A–36 unless noted otherwise on the plans.
2. Fabrication, erection and materials shall conform with the AISC Specification for the Design Fabrication and Erection of Structural Steel for Buildings, Thirteenth Edition.
3. Bolts shall conform with ASTM A–307, unless noted otherwise.
4. All structural steel shall be erected plumb and true to line. Temporary bracing shall be the responsibility of the contractor and shall be left in place until the permanent structural system is providing support.
5. All connections shall use the standard AISC gage and pitch with ¾" diameter A307 bolts unless noted otherwise.
6. Holes for unfinished bolts shall be of the same nominal dimeter as the bolt plus 1/16th of an inch.
7. Welding shall be done by the electric arc process in accordance with American Welding Society Standards, using only certified welders. All groove welds shall have complete penetration. All exposed groove welds shall be ground smooth.
8. Weld stud bolts with ¼" fillet weld all around.
9. All structural steel to receive one coat of shop primer after fabrication.
10. Tube columns shall conform to ASTM A–500, Grade B, Fy = 46 ksi.

GENERAL NOTES:

1. All construction shall conform to the 2025 Edition of the California Building Code and all other applicable codes and regulations.
2. Details and notes shown on this sheet are typical and shall apply unless otherwise shown or noted. Details of construction not fully shown shall be of the same nature shown for similar conditions.
3. It is the Contractor's responsibility to verify all dimensions, elevations, existing conditions and other related items. The Contractor shall review the contract documents prior to construction and shall notify the Engineer if any conflicts are noted. If conflicts are found the most stringent condition shall govern.
4. It is the Contractor's responsibility to comply with the pertinent sections, as they apply to this project of the "Construction Safety Orders" issued by the State of California and all OSHA requirements. The Engineer and the Owner do not accept any responsibility for the Contractor's failure to comply with these requirements.
5. It is the Contractor's responsibility for adequate design and construction of all forms, bracing and shoring required. The Contractor shall provide adequate stays and bracing of all framing until all elements of design have been incorporated in the project.
6. The Contractor shall notify the Structural Engineer a minimum of 24 hours before proceeding with the following work:
   a. Pouring of any concrete.
   b. Placing of any plywood sheathing.
   c. Covering of any plywood sheathing with Architectural materials.

FOUNDATION NOTES:

1. Foundations are designed based on table 1806.2 of the 2025 CBC All site preparation shall be in accordance with section 1803, and section 3304 of the 2025 CBC.
2. The foundation soil is classified as silty sand with an estimated allowable bearing pressure of 1500 psf for dead and live loads. Non expansive soils.
3. Footings shall bear on firm, dry, undisturbed soil as classified in note #2 above. Depths indicated on the plans shall be the minimum depth of footing. The Contractor shall notify the Engineer when conditions on the job site differ from those indicated in the contract documents.
4. All footings not formed shall be poured into neat excavations and the footing width shall be increased by 2 inches. Precautions shall be taken to prevent sloughing of soil into the footing excavation prior to and during the placing of concrete.

DESIGN CRITERIA:

1. Building Code:.....2025 California Building Code
2. Vertical Loads:
   - Ceiling live load..... 10 psf Reducible
   - (Live loads are reduced where permitted by codes)
3. Lateral Loads:
   - Design Wind Speed: ..... 110 mph, 3 second gust
   - Design Exposure: C
   - Analysis Procedure Used: ..... Equivalent
   - Seismic Importance Factor: ..... I_E = 1.0
   - Risk Catagory: II
   - Mapped Spectrum Response Acceleration: ... S_{DS}=0.73g, S_{D1} =0.47g
   - Seismic Catagory: ..... D

ABBREVIATIONS:

addn	addition/al	LS	lag screw
alt	alternate	lt	light
AB	anchor bolt		
&	and	MB	machine bolt
∠	angle	mfr	manufacture/d/r
Arch	Architect/ural	max	maximum
@	at	Mech	Mechanical
		mezz	mezzanine
bm	beam	min	minimum
blk	block/ing	misc	miscellaneous
bot	bottom		
bldg	building	(N)	new
		NTS	not to scale
CIP	cast in place	#	number
clg	ceiling	no	number
℄	center line		
cc	center to center	opn'g	opening
ctr'd	centered	OH	opposite hand
C	channel	OD	outside diameter
clr	clear	ov/	over
col	column		
conc	concrete	d	penny
CMU	concrete masonry unit	perp	perpendicular
conn	connection	pc	piece
CJ	construction joint	▷	plate
cont	continuous	plywd	plywood
contr	contractor	PSI	per square inch
ctsk	countersink	PSF	per square foot
		lbs	pounds
diag	diagonal	PC	precast concrete
dia	diameter	P1	pressure treated
~	diameter	proj	projection
dim	dimension		
dbl	double	R	radius
dn	down	rdwd	redwood
dwgs	drawings	ref	reference
		reinf	reinforce/ing/ment/d
ea	each	req'd	required
Elec	Electric/al	rev	revision
elev	elevation	RO	rough opening
eq	equal	RHWS	round head wood screw
exist	existing		
(E)	existing	sect	section
EJ	expansion joint	shtg	sheathing
ext	exterior	sht	sheet
		sim	similar
FB	face of block/brick/beam	SJ	slab joint
FC	face of concrete/curb	▫	square
FS	face of stud	stagr	stagger/ed
fin	finish	std	standard
FF	finish floor	stl	steel
FHWS	flat head wood screw	Struct	structure/al
flr	floor	SP	structural plywood
ft	foot/feet	SPIN	structural plywood interior nailing
ftg	footing		
fdn	foundation	SPPN	structural plywood perimeter nailing
frm'g	framing		
FA	framing anchor	symm	symmetrical
ga	gage	T&B	top and bottom
galv	galvanized	TOF	top of framing
GL	glue lam/inated	TOS	top of steel
gr	grade	T&G	tongue and groove
		thk	thick
hgr	hanger	thru	through
hdr	header	TN	toe nail
ht	height	TS	tube steel
HSB	high strength bolt	typ	typical
HD	hold down		
horiz	horizontal	UBC	Uniform Building Code
		UNO	unless noted otherwise
Info	information		
ID	inside diameter	vert	vertical
int	interior		
		WWF	welded wire fabric
jt	joint	wt	weight
jst	joist	WF	wide flange
JH	joist hanger	w/	with
		wd	wood

DRAWING INDEX

Valerie Ehrke Design
vehrke69@gmail.com
P.O. Box 1444
Arbuckle, CA 95912
(530) 681–1218

Reclamation District 108 – Operations Building – Phase 1 Bldg Shell
975 Wilson Bend Road
Grimes, CA 95950

DESCRIPTION	DATE	DESCRIPTION	DATE

DRAWN BY: VEE
DATE: 4-14-2026
PROJECT NO.
SCALE:
⚠ .

REGISTERED PROFESSIONAL ENGINEER — VALERIE EHRKE — No. C041591 Exp. 12-31-27 — CIVIL — STATE OF CALIFORNIA

SHEET NO. S-1