STRUCTURAL GENERAL NOTES – APPLICABLE TO ALL CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS

A. DESIGN SCOPE BY PSE CONSULTING ENGINEERS, INC. (PSE):

1. Design Shown on drawings by PSE is for the following items.
   a. Foundation and framing.
2. Design Shown on PSE drawings does not include: finishes, architectural items, windows, doors, moisture barriers, water proofing, mechanical units, plumbing, or electrical items.

B. GENERAL REQUIREMENT:

1. Furnish all labor, materials, and equipment necessary to complete the work shown or inferred by these drawings.
2. Where construction details are not shown or noted for any part of the work, such details shall be the same as for similar work shown on the drawings.
3. Notes and details on the drawings take precedence over the general notes and typical details in case of conflict.
4. Provide manufacturer's approved product evaluation reports (ICBO reports) and a list of all proposed substitutions to the Engineer for review and written approval before fabrication.
5. Pipes, ducts, sleeves, chases, etc. shall not be placed in slabs, beams, or walls unless specifically shown or noted nor shall any structural member be cut for pipe, ducts, etc., unless specifically shown. Obtain prior written approval for installation of any additional holes, ducts, etc.
6. Locate and protect underground or concealed conduit, plumbing or other utilities where new work is being performed.
7. The contract drawings and specifications represent the finished structure and do not indicate methods, procedures or sequence of construction. The contractor shall take necessary precautions to maintain and insure the integrity of the new and any existing structures during construction. The design stresses shall not be exceeded during construction based on the age of each element . Neither the owner nor Architect/Engineer will enforce safety measure regulations. Contractor shall design, construct and maintain all safety devices, including shoring and bracing for the new and any existing structures and shall be solely responsible for conforming to all local, state and federal safety and health standards, laws and regulations. Observation visits to the site by the engineer shall not include inspection of the above items.
8. Obtain prior written approval for any changes to the drawings.
9. The contractor shall review and compare the structural drawings with all other Construction Documents, such as Architectural, Mechanical and Electrical drawings, specifications, etc. Do not scale drawings. The contractor shall verify dimensions, elevations and all information. Report, in writing, any inconsistencies, errors, or omissions to the Architect/Engineer of record before proceeding with the work.
10. All existing constructions shown are schematic only. Contractor is responsible to verify actual conditions and allow for them in his bid. Notify the Architect/Engineer, in writing, in case of any discrepancy between actual conditions and what is shown on the structural drawings before proceeding with the work.
11. See Architectural, Mechanical, Electrical and other drawings for embedded items.
12. Camber shall be provided for all members with 30 feet or more of span. Check beam table and contact the Structural Engineer for the amount of camber.
13. Shop drawings:
    a) Shop drawings shall be submitted in the form of two copies.
    b) Prior to submittals, the general contractor shall review all submittals for conformance with the Construction Documents and shall stamp submittals as being "Reviewed for Conformance".
    c) Any detail on the shop drawing that deviates from the Construction Documents shall be marked with the note "This is a change"
    d) Shop drawing submittals processed by the Structural Engineer are not Change Orders.
    e) Shop drawings shall be submitted to the Architect/Engineer prior to fabrication and construction regarding all structural items including:
       – Concrete and masonry reinforcement, drawings shall conform to ACI 315 and ACI 318.
       – Structural steel, drawings to conform to AISC.
       – Glued–Laminated members, drawings to conform to AITC.
       – Prefabricated wood joists and trusses, drawings to conform to ICBO product evaluation report.
       – Wood trusses, drawings to conform to UBC.
    f) Shop drawings or calculations submitted for review that require re–submittal for re–review, as determined by the Structural Engineer, shall be billed hourly to the general contractor. Re–review will not proceed without written approval from the general contractor for additional engineering services.
14. Submit seismic anchorage calculations stamped by a licensed Professional Engineer for all equipment and components weighing more than 400 lb.
15. Submit structural drawings signed and sealed by a professional Engineer licensed in the State where the project is located for any structural member needed for this project that is not designed by P.S.E.
17. Any substitutions for structural members, hardware or details shall be reviewed by the Architect and Structural Engineer. Such review will be billed on a time and materials basis to the General Contractor with no guarantee that the substitution will be allowed.
18. All communication shall be in writing. No verbal communications, decisions, instructions or approvals shall be valid.

C. CODE AND LOADS:

1. All design, material, and construction work for this project shall conform to the Colorado State Building Codes based on the 2021 International Building Code (IBC).
2. Design parameters.

a. Floor Live Load = 40 psf.
b. Floor Dead Load = 15 psf.
c. Roof Live Load = n/a psf.
d. Roof Dead load = 15 psf.
e. Ground Snow Load, Pg = 76.8psf.
f. Flat Roof snow load = 53.8 psf.
g. Snow Exposure Factor, Ce = 1.0
h. Snow Load Importance Factor, Is = 1.0
i. Thermal Factor, Ct = 1.0
j. Ultimate Wind Speed (3 second gust) = 105 mph
k. Wind Importance Factor, Iw = 1.0
l. Wind Exposure = C
m. Internal Pressure Coefficient = 0.85
n. Components and Cladding studs = 38 psf
o. Seismic Importance Factor, Ie = 1.0
p. Site Class = D
q. Ss = 0.582
r. S1 = 0.102
s. Sms = 0.777
t. Sm1 = 0.244
u. Sds = 0.518
v. Sd1 = 0.163
w. Seismic Design Category = D
x. Basic Seismic Force Resisting System = Metal Sheathed Shipping Container
y. Design Base Shear = 0.259 * W
z. Approximate Fundamental Period, T = 0.104
aa. Response Modification Factor, R = 2.0
bb. Analysis Procedure Used = Equivalent Lateral Force Procedure

D. INSPECTION:

The owner shall employ one or more qualified Inspectors to provide inspections during construction in according with section 1701 of the above code. The Inspector shall be certified by the building official to perform the type of inspection specified. Inspection shall be provided for:

a. Foundation excavation.
b. Reinforcement placement, prior to closing the forms and delivery of concrete.
c. Concrete placement.
d. Bolts installed in concrete and masonry, prior to and during the placement of concrete around bolts.
e. Structural Steel.
f. Field welding.
g. High–strength bolting.
h. During preparation and taking of test specimens.
i. See other sections of these notes for more required inspections.

Note: All discrepancies shall be brought to the immediate attention of the contractor for correction; then if not corrected, to the building official and to the Engineer in writing. The inspector shall furnish an inspection report to the building official and to the Engineer/Architect of Record.

E. TESTING:

The owner/contractor shall retain an independent testing laboratory to test the quality of:

a. Soil or fill material supporting footings and slab–on–grade.
b. Concrete.
c. Mortar shall be tested in accordance with UBC standard 21–16.
d. Grout shall be tested in accordance with UBC standard 21–18.
e. All other material used in this project as required by the Engineer.
f. A copy of test results shall be sent to the Engineer of Record.

F. STRUCTURAL STEEL:

1. Unless noted otherwise on plans, all structural steel shall be per Table 2–3 of AISC Manual of Steel Construction, Thirteenth Edition, as shown below:

On–Site Fabrication

Shape	Steel, Typ	Yeild Strength Fy, KSI
W–shape	A 992	50–65
Angles	A 36	36
Rectangular Tube, HSS	A 500, Gr.C	50
Round Tube, HSS	A 500, Gr.C	46
Pipe	A53, Gr.B	35
Plate	A 36	36
$\frac{3}{4}$"ø – $\frac{1}{2}$"ø Bolts	A 325	120/105
LGS Stud < 18ga	A 570 Gr. 33	33
LGS Stud ≥ 18 ga	A 607 Gr. 55	55
Container/Module Tube	Corten/A242	50
Container/Module Channel	Corten/A242	50
Container/Module Panel	Corten/A242	50

2. Fabrication and erection shall be in accordance with the American Institute of Steel Construction (AISC).
3. All beam connections shall be bolted or shop welded as detailed on the drawing or designed by fabricator per AISC Manual of Steel Construction allowable Stress Design, "Framed Beam Connections." Bolts shall be 3/4 inch. diameter ASTM A325, load indicator bolts. All bolts shall be tightened to the minimum tension specified in the specification for structural joints using A325 or A490 bolts.
4. All welding shall conform to the current American Welding Society (AWS) Specifications and be performed by certified welders.
5. Column anchor bolts shall have minimum yield strength of 36 KSI.
6. Metal deck shall be the type as indicated on the drawings. The deck shall be welded to the supporting members per manufacturer's recommendations or as indicated on the drawings whichever is more restricting or stringent.
7. All openings in metal deck to have 4" X 4" X ¼" angle frames set between joists.
8. All structural steel and bar joists shall have one shop coat of rust inhibitor primer paint conforming to specification. Field touch up all unpainted areas and weld areas.
9. Grout for base plates shall be nonmetallic, non–shrinkage cementitious grout having a minimum 3–days compressive strength of 4000 PSI.
10. Reference specifications for additional requirements.

G. SHIPPING / CARGO CONTAINER SPECIFICATION:

1. The shipping / cargo container(s) shall be:
   a) Undamaged (Free of rust, dents, cracks, et cetera that affect the structural integrity of the container).
   b) Made from steel.
   c) Design and tested according to the International Organization for Standardization (ISO) specifications.
   d) Certified for compliance to the Rules for Certification of Cargo Containers and the International Convention for Safe Containers (CSC) for use as shipping containers by the American Bureau of Shipping (ABS) or other approved Certified Inspection and Testing Agency (CITA).
   e) Container shall have a CSC safety approval placard (CSC Plate) and CITA logo prior to any modification.
   f) Walls and roof are continuously welded around its entire periphery and is itself made from sheets of corrugated 14ga. Cor–Ten steel also continuously welded together. This steel, also used for the side and end walls has a minimum yelld strength of 50ksi and tensile of 70ksi.
2. Prior to construction/modification, Client / Owner / Contractor shall:
   a) Provide pictures of high/good quality to PSE showing the following of each container:
      – All four sides
      – Roof
      – Under framing
      – Top Rails
      – Bottom Rails
      – Interior
      – CSC Plate
   b) Visually inspect all existing welds for consistency and undamaged.
   c) Confirm existing plywood floor sheathing is:
      – Not damaged, cracked, deformed, delaminated, or showing any other signs that structural integrity has been compromised
      – Free of hazardous materials, liquids, and/or stains, or shall be encapsulated.
      – Fully fastened to container floor joists per original construction.
      – If existing plywood floor sheathing needs to be replaced, inform PSE prior to replacing with equivalent pressure/preservative treated OSB or ¼" steel plate with equivalent or better fastening to container floor joists.
   d) If possible, provide manufacturer drawings of container to PSE.
3. Dimensions provided may be the nominal dimensions of the container. Contractor/fabricator, owner, and/or architect to verify actual dimension before construction.

H. ABBREVIATIONS:

AB	ANCHOR BOLT	EQ	EQUAL	LL	LIVE LOAD	RFT	RAFTERS
ADDL	ADDITIONAL	ES	EACH SIDE	MATL	MATERIAL	SGN	STRUCTURAL GENERAL NOTES
ALT	ALTERNATE	EW	EACH WAY	MAX	MAXIMUM	SEP	SEPARATION
APA	AMERICAN PLYWOOD ASSOCIATION	FA	FRAMING ANCHOR	MB	MACHINE BOLT	SIM	SIMILAR
ARCH	ARCHITECTURAL	FD	FROST DEPTH	MFR	MANUFACTURER	SN	SHEAR NAIL
B	BOTTOM	FEN	FLOOR EDGE NAILING	MIN.	MINIMUM	SNL	SNOW LOAD
BLKG	BLOCKING	FF	FINISHED FLOOR	MTL	METAL	SPEC	SPECIFICATION
BN	BOUNDARY NAIL	FN	FIELD/INTERMEDIATE NAILING	NO.	NUMBER	STD	STANDARD
BOF	BOTTOM OF FOOTING	FS	FAR SIDE	NS	NEAR SIDE	STGR	STAGGER
CBC	CALIFORNIA BUILDING CODE	FTG	FOOTING	NTS	NOT TO SCALE	STIFF	STIFFENERS
CJ	CONSTRUCTION JOINT OR CONTROL JOINT	GALV	GALVANIZED	OC	ON CENTER	T	TOP
CL	CENTER LINE	GC	GENERAL CONTRACTOR	OD	OUTSIDE DIAMETER	TB	TOP & BOTTOM
CLR	CLEAR	GIR	GEOTECHNICAL INVESTIGATION REPORT	OFDSC	OREGON ONE & TWO FAMILY DWELLING SPECIALTY CODE	TD	TYPICAL DETAILS
CONN	CONNECTION	GLB	GLUED LAMINATED BEAM	OH	OPPOSITE HAND	TG	TONGUE & GROOVE
CONT	CONTINUOUS	GR	GRADE	OSB	ORIENTED STRAND BOARD	THK	THICKNESS/THICK
DBL	DOUBLE	HDR	HEADER	OSSC	OREGON STRUCTURAL SPECIALTY CODE	TN	TOENAIL
DIM	DIMENSION	HGR	HANGER	OSV	ON SITE VERIFY	TOB	TOP OF BEAM
DL	DEAD LOAD	HORIZ	HORIZONTAL	OTOB	OUT TO OUT OF BEARING	TOF	TOP OF FOOTING
DO	DITTO (REPEAT)	HSH	HORIZONTALLY SLOTTED HOLES	PERP	PERPENDICULAR	TOW	TOP OF WALL
DWG	DRAWING	ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS	PL	PLATE	TYP	TYPICAL
DWL	DOWEL	ID	INSIDE DIAMETER	PLF	POUND PER LINEAR FOOT	UBC	UNIFORM BUILDING CODE
E	EXISTING	INT	INTERIOR	PSE	PSE, INC.	UON	UNLESS OTHERWISE NOTED
EA	EACH	JT	JOINT	PT	PRESSURE TREATED	VERT	VERTICAL
EF	EACH FACE	LDGR	LEDGER	PW	PLATE WASHER	VSH	VERTICAL SLOTTED HOLES
EL	ELEVATION	LGST	LIGHT GAUGE STEEL, COLD–FORMED STEEL	REF	REFERENCE	WD	WOOD
EMBED	EMBEDMENT			REN	ROOF EDGE NAILING	WEN	WALL EDGE NAILING
EN	EDGE NAIL			REINF	REINFORCEMENT	WWF	WELDED WIRE FABRIC
EOR	ENGINEER OF RECORD					W/	WITH
						W/O	WITHOUT

SHEET INDEX:

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PSE Consulting Engineers, Inc.

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Licensed in 48 States!

Construction Types:
Light Gauge Steel, Straw Bales, Bamboo, Log, Timber/Wood, Structural Insulated Panels/SIPs, Masonry, Steel, Concrete, Modular Homes/Factory Built Housing (FBH), ICF, Shipping Containers, and many more! Commercial or Residential. And Green/Sustainable!

Project:
AquaWorks DBO, Inc. Shipping Container

38600 Main St., Milner CO 80487

Owner / Client:
AquaWorks DBO, Inc.

3-1-2024
COLORADO LICENSED HABIL M. MAVERICK 30389 PROFESSIONAL ENGINEER
Expires 10/31/2025

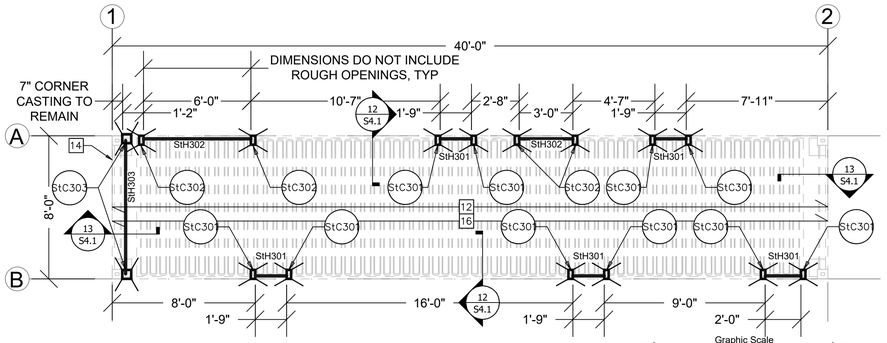
MARK	DESCRIPTION	DATE
	REVISION SCHEDULE	

DRAWN BY: M.R.D
DS. BY: M.R.D
CHK BY: N.T.
DATE: 2-02-2024

TITLE: GENERAL NOTES

PAGE NO: S1A

PROJECT #: AQUAWORKS DBO INC., 224-2002

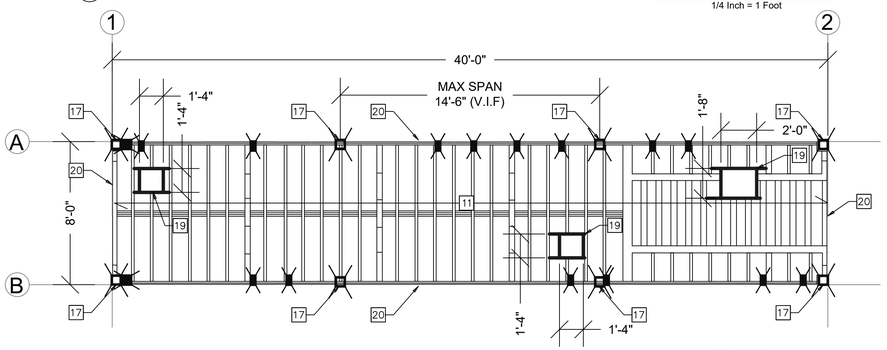


1 SHIPPING CONTAINER ROOF FRAMING PLAN

Approximate Scale: 1/4" = 1'-0"

Graphic Scale: 0ft – 10ft

1/4 Inch = 1 Foot



2 SHIPPING CONTAINER FLOOR FRAMING PLAN

Approximate Scale: 1/4" = 1'-0"

Graphic Scale: 0ft – 10ft

1/4 Inch = 1 Foot

MARK	SIZE	TYPE	BASE CONNECTION	TOP CONNECTION	REMARKS
StC301	HSS 3x3x$\frac{5}{16}$"	A1085	REFER TO DETAIL 3-4/S2.1	REFER TO DETAIL 3-4/S2.1	-
StC302	HSS 3x3x$\frac{5}{16}$"	A1085	REFER TO DETAIL 1-2/S2.1	REFER TO DETAIL 1-2/S2.1	-
StC303	HSS 3x3x$\frac{5}{16}$"	A1085	REFER TO DETAIL 5-7/S2.1	REFER TO DETAIL 5-7/S2.1	-

3 STEEL COLUMN SCHEDULE (StC)

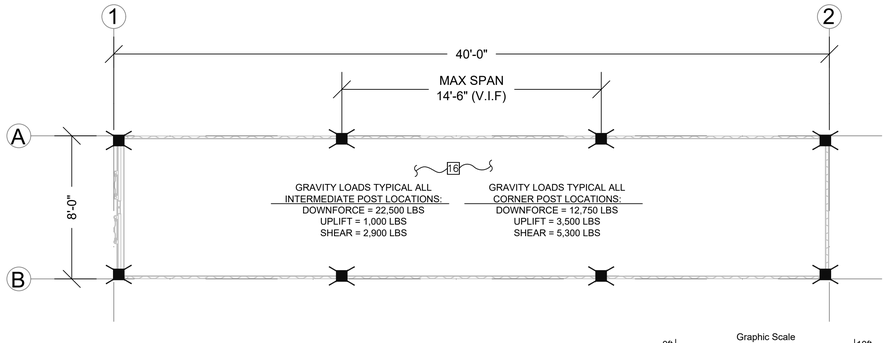
N.T.S.

COLUMN BELOW, SUPPORTING THIS FLOOR/ROOF LEVEL.

MARK	MAX OPENING	COMBINATION	FRAME SIZE	REMARKS
StH301	UP TO 2'-0"	A1085	HSS 3x3x$\frac{3}{16}$"	REFER TO DETAIL 3-4/S2.1
StH302	UP TO 6'-0"	A1085	HSS 3x3x$\frac{3}{16}$"	REFER TO DETAIL 1-2/S2.1
StH303	UP TO 8'-0"	A1085	HSS 3x3x$\frac{3}{16}$"	REFER TO DETAIL 5-7/S2.1

4 STEEL HEADER SCHEDULE (StH)

N.T.S.



5 FOUNDATION LOADS: ASSUMED LOCATIONS

Approximate Scale: 1/4" = 1'-0"

Graphic Scale: 0ft – 10ft

1/4 Inch = 1 Foot

DESIGN DATA:	
ROOF DESIGN LOADS:	
GROUND SNOW LOAD:	76.8 PSF
ROOF SNOW LOAD:	53.8 PSF
ROOF LIVE LOAD:	n/a
ROOF DEAD LOAD:	10 PSF
CEILING DEAD LOAD:	5 PSF
FLOOR DESIGN LOADS:	
FLOOR DEAD LOAD:	15 PSF
FLOOR LIVE LOAD:	40 PSF
LIVE LOAD OCCUPANCY:	MEP ROOM
WIND DESIGN LOADS:	
ULTIMATE (3-SEC GUST)	105 MPH
EXPOSURE CATEGORY:	C
SEISMIC DESIGN LOADS:	
Ss	0.582
S1	0.102
SEISMIC DESIGN CATEGORY	D
Ie	1

LEGEND:

- DISCONTINUOUS 2x6 DF-L #2 @ 16" O.C. SHEAR WALL AND/OR LOAD BEARING WALL SUPPORTING/BELOW THIS FLOOR/ROOF.
- DISCONTINUOUS 2x6 DF-L #2 @ 16" O.C. SHEAR WALL AND/OR LOAD BEARING WALL ABOVE THIS FLOOR/ROOF.
- DISCONTINUOUS COLUMN SUPPORTING THIS FLOOR/ROOF.
- STUB, SHORT,POST.
- [n] INDICATES SHEET NOTES.
- (Cn) INDICATES COLUMN MARK, REFER TO COLUMN SCHEDULE.
- n NUMERICAL VALUE, 1, 2, 3 ETC.

SHEET NOTES:

1. REFER TO S1 FOR STRUCTURAL GENERAL NOTES AND TO ROOF DETAIL SHEETS FOR CONSTRUCTION DETAILS.
2. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE DRAWINGS.
3. PROVIDE MULTIPLE STUDS UNDER BEAMS OR TRUSSES TO MATCH WIDTH OF SUPPORTED MEMBER, TYP. STUDS SHALL BE CONTINUED IN LOWER FLOORS AND/OR CRAWL SPACE TO FOOTING, TYP.
4. ROOF DRAINAGE SHALL BE DIRECTED AWAY FROM FOUNDATION.
5. PROVIDE SOLID BLOCKING UNDER POSTS AND MULTIPLE STUDS TO TRANSFER LOADS TO POSTS/STUDS BELOW.
6. LAY FLOOR AND ROOF STRUCTURAL PANELS WITH THE LONG DIMENSION AT RIGHT ANGLE TO SUPPORTS AND CONTINUOUS OVER TWO OR MORE SPANS.
7. LIMIT LIVE LOAD DEFLECTION TO SPAN OVER 480 FOR RAFTERS, JOISTS, BEAMS.
8. FLOOR SHEATHING SHALL BE 3/4" OR MORE THICK APA T&G PLYWOOD OR OSB WITH 48"/24" SPAN RATING. USE 8d @ 4" O.C. (BN) AT EXTERIOR WALLS AND INTERIOR SHEAR WALLS. 8d @ 6" O.C. (FEN) ALONG PANEL EDGES AND 8d @ 10" O.C. AT INTERMEDIATE SUPPORTS, UON. MINIMUM PENETRATION IS 1 5/8" INTO FRAMING. USE GLUE.
9. FIELD GLUE FLOORS TO ALL SUPPORTS AND T&G EDGES PER APA, AFG-01. FRAMING SHALL BE FREE OF SURFACE MOISTURE AND DEBRIS PRIOR TO GLUING.
10. IF HEAVY EQUIPMENT (WEIGHING OVER 500LBS) IS PLACED OVER FINISHED FLOOR CONTACT EOR FOR REVIEW PRIOR TO INSTALLATION.
11. EXISTING CONTAINER FLOOR BEAMS/RAILS, JOISTS & FLOORING TO REMAIN UNMODIFIED U.N.O
12. EXISTING CONTAINER ROOF TO REMAIN UNMODIFIED U.N.O
13. CENTER FOOTING UNDER POSTS AND WALLS UNLESS OTHERWISE NOTED ON PLANS AND/OR DETAILS.
14. SHIPPING CONTAINER DOOR AND CORNER CASTING TO REMAIN.
15. LINE OF SHIPPING CONTAINER ABOVE
16. CONTRACTOR'S CHOICE:
    2x4 DF-L #1 CEILING JOIST @ 12" O.C. WITH 2x BLOCKING AT HALFWAY POINT AND WOOD SHIM ABOVE @ 1/3RD POINTS. REFER TO DETAIL 12/S2.1 FOR CONNECTION TO TOP RAIL OR
    2x4 DF-L #1 RAFTER @ 12" O.C. WITH 2x BLOCKING AT HALFWAY POINT. REFER TO DETAIL 13/S2.1 FOR CONNECTION TO TOP RAIL
17. CONTRACTOR TO ATTACH SHIPPING CONTAINER TO FOUNDATION BY OTHERS WITH BASE PLATE AS PER 8-9/S2.1 AT CORNERS AND MAXIMUM 14'-6" O.C. ALONG BOTTOM RAIL.
18. REINFORCE BOTTOM RAIL ALONG THIS LINE AS PER DETAIL 11/S2.1
19. CONTRACTOR SHALL VERIFY OPENING IN FLOOR. FLOOR OPENING SHALL BE REINFORCED WITH (2) L4x4x$\frac{1}{4}$" A36 ANGLE BETWEEN EXISTING FRAMING MEMBERS AND (2) 4"x$\frac{1}{4}$" A36 FLAT PLATE BETWEEN NEW 'L'-ANGLE
20. FOUNDATION NOT BY PSE. OWNER/CONTRACTOR TO HIRE LOCAL LICENSED ENGINEER OR PSE TO DESIGN FOUNDATION TO SUPPORT SHIPPING CONTAINER. CONTACT PSE FOR ADDITIONAL INFORMATION.

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Shipping Container

38600 Main St.,
Milner CO 80487

Owner / Client:
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30389
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MARK	DESCRIPTION	DATE
	REVISION SCHEDULE	

DRAWN BY: M.R.D
DS. BY: M.R.D
CHK BY: N.T.
DATE: 2-02-2024

TITLE:
CONTAINER FLOOR PLANS

PAGE NO:
S2A

PROJECT #:
AQUAWORKS DBO INC., 224-2002

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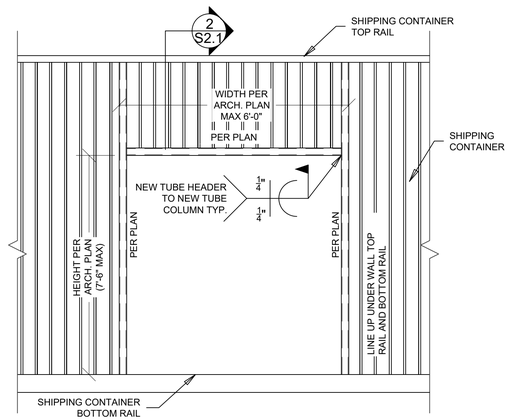
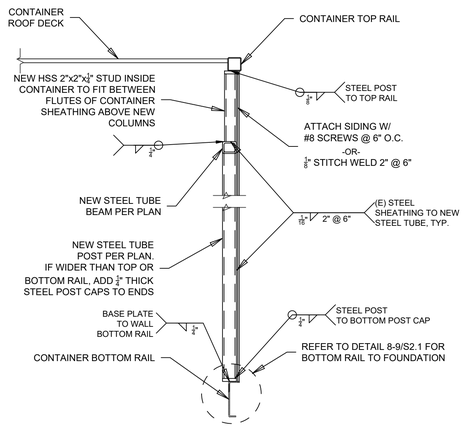
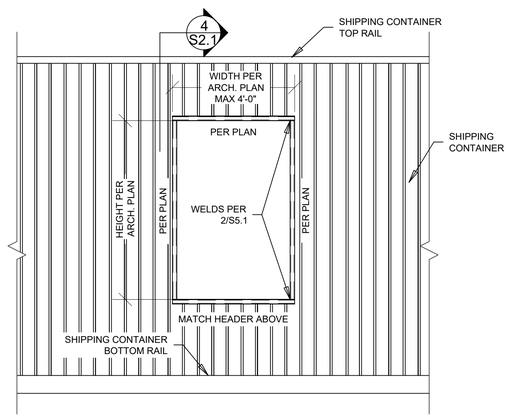


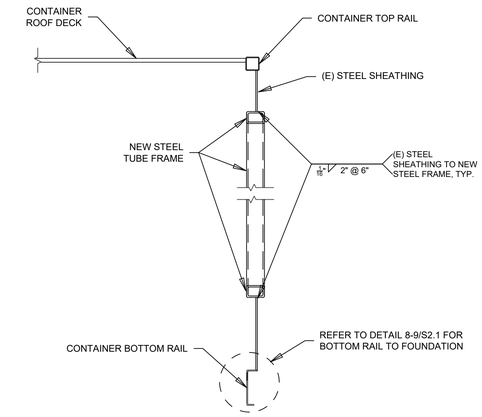
1 TYPICAL DOOR OPENING
N.T.S.



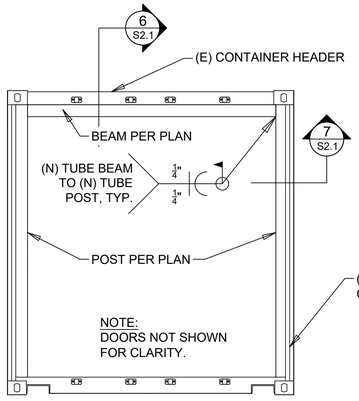
2 TYPICAL DOOR OPENING SECTION VIEW
N.T.S.



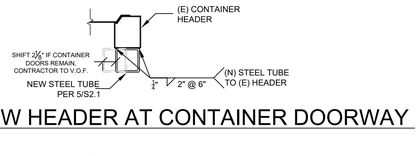
3 TYPICAL WINDOW OPENING
N.T.S.



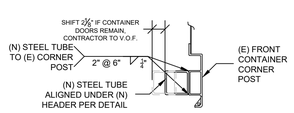
4 TYPICAL WINDOW OPENING SECTION VIEW
N.T.S.



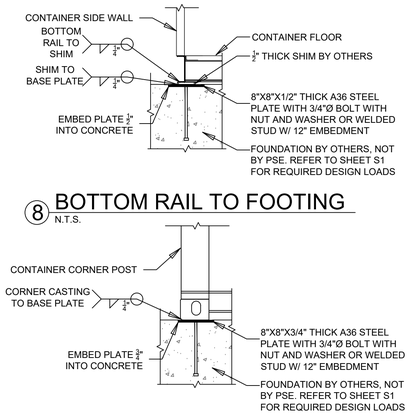
5 NEW FRAME AT CONTAINER DOORWAY
N.T.S.



6 NEW HEADER AT CONTAINER DOORWAY
N.T.S.

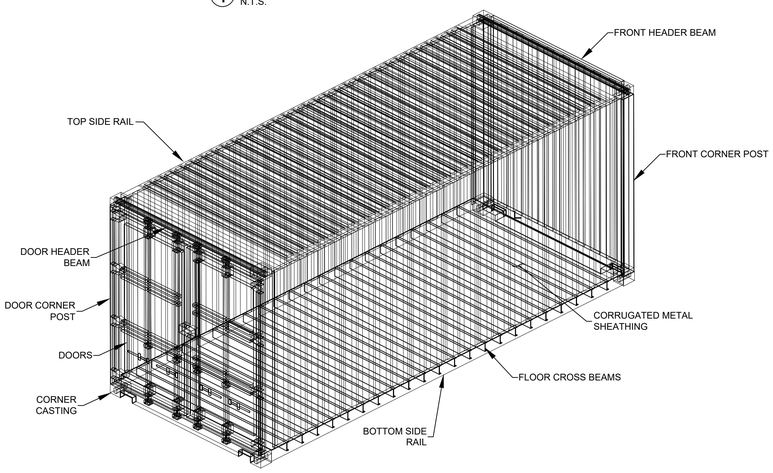


7 NEW POST AT CONTAINER DOORWAY
N.T.S.

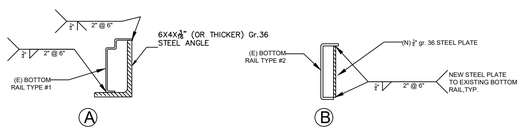


8 BOTTOM RAIL TO FOOTING
N.T.S.

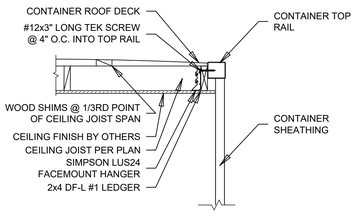
9 CORNER CASTING TO FOOTING
N.T.S.



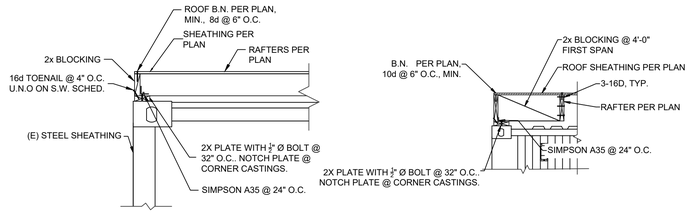
STANDARD SHIPPING CONTAINER MEMBER NOMENCLATURE
N.T.S.



REQUIRED BOTTOM RAIL REINFORCEMENT (CONTRACTOR CHOICE)
N.T.S.



12 CEILING JOIST TO TOP RAIL
N.T.S.



OPTIONAL DETAIL: RAFTER TO CONTAINER TOP RAIL
N.T.S.

Structural details for this project are for illustration only. They are not drawn to scale unless noted otherwise. Contractor must verify all dimensions before fabrication or construction. Do not scale drawings.

PSE Consulting Engineers, Inc.

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Project:
AquaWorks DBO, Inc. Shipping Container

38600 Main St., Milner CO 80487

Owner / Client:
AquaWorks DBO, Inc.

3-1-2024
COLORADO LICENSED
TIMOTHY M. RAMSEY
30389
PROFESSIONAL ENGINEER
Expires 10/31/2025

MARK	DESCRIPTION	DATE
REVISION SCHEDULE		

DRAWN BY: M.R.D
DS. BY: M.R.D
CHK BY: N.T.
DATE: 2-02-2024

TITLE: CONTAINER DETAILS

PAGE NO: S2.1A

PROJECT #: AquaWorks DBO Inc., 224-2002