#### STRUCTURAL GENERAL NOTES - APPLICABLE TO ALL CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS A. DESIGN SCOPE BY PSE CONSULTING ENGINEERS, INC. (PSE): G. WOOD: 1. Design Shown on drawings by PSE is for the following items. GENERAL: a. Foundation Reactions 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 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 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 13. Shop drawings:

c) Any detail on the shop drawing that deviates from the Construction Documents shall be marked with the note "This is a change"

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".

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 enaineerina services.

14. Submit seismic anchorage calculations stamped by a licensed Professional Engineer for all equipment and components weighing more than 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 quarantee 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 2022 Colorado State Building Code 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 = 20 psf. d. Roof Dead load = 20 psf. e. Ground Snow Load, Pg = 70.1psf. f. Flat Roof snow load = 70 psf. g. Snow Exposure Factor, Ce = 1.0h. Snow Load Importance Factor, Is = 1.0Thermal Factor, Ct = 1.0j. Ultimate Wind Speed (3 second gust) = 105 mph

k. Wind Importance Factor, lw = 1.0 $\tilde{I}$ . Wind Exposure = Cm. Internal Pressure Coefficient = 0.85 n. Components and Cladding studs =  $21.71 \, \text{psf}$ o. Seismic Importance Factor, le = 1.0 p. Site Class = D q. Ss = 0.525r. S1 = 0.097

s. Sms = 0.725u. Sds = 0.483w. Seismic Design Category = C y. Design Base Shear = 0.242 \* W

x. Basic Seismic Force Resisting System = LIGHT FRAME WALLS WITH SHEAR PANELS z. Approximate Fundamental Period, T = 0.104aa. 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. . Concrete placement.

d. Bolts installed in concrete and masonry, prior to and during the placement of concrete around bolts.

t. Sm1 = 0.233

v. Sd1 = 0.155

e. Structural Steel. . Field welding.

g. High-strength bolting. n. During preparation and taking of test specimens.

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. 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.

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:

#### Yeild Strength W-shape A 36 Angles Rectangular Tube, HSS A 500. Gr.C Round Tube, HSS A 500, Gr.C A 325 A 570 Gr. 33 A 607 Gr. 5 Container/Module Tube | Corten/A242

Container/Module Panel Corten/A242 . 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.

Container/Module Channell Corten/A242

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 1/4" 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

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.

1. All wood exposed to the weather or in contact with concrete or masonry shall be pressure treated or protected with a waterproof membrane. Newly exposed surfaces resulting from field cutting, boring or handling shall be field treated in accordance with AWPA M-4.

2. Maintain 1/2 inch air space at sides and at ends for beam pockets in concrete or masonry. Minimum bearing is 3 inches UON.

3. Wood framing members, sheathing and combustible materials shall not be placed closer than 2 inches to chimney walls. The gap shall be fire stopped using a minimum of 1 inch thick noncombustible materials, UON. 4. Reference specifications for more requirements.

5. It is required that the contractor keep a copy of the Simpson catalog and/or Simpson Installation Manual on site at all times, and shall be used with the installation process at all Simpson connections.

#### MATERIALS STICK FRAMING:

1. All wood Stick Framing shall be Douglas Fir/Larch #2 (DF #2) or better unless otherwise noted on the drawings. Comply with PS 20, American softwood lumber standard and standard grading rules for western lumber. 19%maximum moisture content at time of placement.

2. All wood members shall be stamped showing wood grade and the grading agency. 3. All timbers to be FSC rated. 4. All materials to be low V.O.C. and non-urea formaldehyde.

GLUED-LAMINATED TIMBER: 1. Glued—Laminated timber shall be manufactured, inspected, and tested according to:

a. American National Standard for Wood products—Structural Glued Laminated Timber, ANSI/AITC A190.1 -1992 b. Standard Specification for Structural Glued-Laminated Timber of Softwood Species, AITC 117; Manufacturing.

c. Design and Standard Specifications for Hardwood Glued-Laminated Timber, AITC 119. In case of conflict, the most stringent requirement shall apply. Submit certificate by one of the above agencies to the Engineer and the Building Inspector prior to installation.

. Glued—Laminated timber shall have wet—use adhesive, ASTM D2559. Lamination shall be 2 inches nominal. Appearance shall be Industrial, AITC 110. 4. Colorless end sealer shall be applied immediately to the ends of all members after fabrication and field trimming. Members shall be individually

5. Pressure treatment shall be provided for all members exposed to weather and not protected by a roof or eave overhang.

6. All cuts, holes, etc. shall be re—coated as recommended by the manufacturer. 7. Glued-Laminated timber shall have the following minimum combination and strength: a. Beams with simple spans shall have combination 24F-V4 or better.

b. Continuous beams shall have combination as shown on plans.

1. Provide a copy of the manufacturer's approved ICC product evaluation reports.

2. Wood joists shall be installed according to the manufacturer recommendations and as shown on drawings. Blocking, web stiffeners and bridging etc. shall be as required by the manufacturer's approved ICC product evaluation reports.

3. All joists, ceiling joists and rafters shall have a minimum of 1-1/2 inches bearing at each end on wood or metal, and not less than 3 inches on masonry or concrete. Use approved joist hanger if bearing is not provided. 4. Install full depth solid blocking or cross bracing at intervals not exceeding 8 feet for all joists and rafters 2x12 inches and deeper.

1. Double full height studs shall be used at both ends of all walls shown on the structural drawings, UON. 2. Studs shall have full bearing on plates and sills.

3. Provide blocking at all ceiling levels. 4. Provide multiple studs under beams or trusses to match width of supported member, typical.

TOP PLATES AND OR CHORDS: 1. Top plates or chords shall be continuous over headers UON.

2. Top plates shall be two pieces, same size as studs. Stagger splices 4'-0" minimum. Center splices over studs UON.

1. All wood structural panels shall be stamped with the appropriate grade trademark of the American Plywood Association (APA).

2. Block structural panel with 2X4 inch flat blocking where noted on roof or floor framing plans. Use ply clips at mid—span of unsupported panel edges. 3. Maintain 1/8" air space between structural panels in walls, floors and roofs at ends and at edges or as specified by the manufacturer. 4. Wood structural panels shall be manufactured using exterior glue and shall be not less than 4X8 feet except at boundaries.

#### H. WOOD CONNECTIONS:

1. It is required that the contractor keep the Simpson catalog and/or Simpson Installation Manual on site at all times to be used during the installation of all typical Simpson connections.

2. All exposed steel timber hardware, fasteners and connectors shall be galvanized. 3. All fasteners installed in contact with preservative—treated wood shall be of hot—dipped zinc—coated galvanized steel, stainless steel, silicon bronze or copper. The coating weights for zinc-coated fasteners shall be in accordance with ASTM A153.

4. Connector Hardware model numbers are those for the Simpson—Strong Tie Company. Size and number of nails, screws or bolts to be the maximum specified by the manufacturer UON. Nails shall be common wire unless otherwise noted.

6. Machine nailing: The use of machine nailing is subject to continued satisfactory performance. Panel nails shall be driven so that the heads are flush with the surface of the panel and the minimum panel edge distance is 1/2 inch. 7. Bolts: maintain a distance not less then 7 bolt diameters from the end and 4 diameters from the edge of the member. Bore holes  $\frac{1}{32}$  to  $\frac{1}{16}$  inch larger than the bolt diameter. All nuts shall be tightened when installed and re—tightened at completion of work or before closing in. Thread projection shall be ½ inch minimum beyond the nut. Use 5/16 inch thick X 3" X 3" washers, typ.

8. Lag screw clearance and lead/pilot holes shall be bored in two stages as follows: The clearance hole for the shank shall have the same diameter as the shank, and the same depth of penetration as the length of unthreaded shank. The lead hole for the threaded portion shall have diameter equal

to 70% of the shank diameter and a length equal to at least the length of the threaded portion. 9. Nailed/screwed or bolted hold-down anchors shall be installed per manufacturer's approved [ICC or ICC] product evaluation report. Install hold-downs 3/4 inch minimum above the plate to allow for tightening anchor bolt. The hold-down shall be installed tight to the hold-down post without

fillers or dapping. Do not bend hold—down anchors.

10. Connections shall be as detailed on the drawings. If not shown, minimum connections shall be as follows: a. Joist or rafter to sill or girder, toe nail....

b. Bridging to joist toengil each end.... c. Sill plate to joist or blocking, typical, face nail [SN].... ..16d at 6" o.c.

d. Double top plates: Lower plate to studs. • Top plate to lower plate, face nail.. ..16d @ 12" O.C.

• Top plate to lower plate at lap Splice [4'-0" minimum].. ...20-16d minimum UON on drawings. • Top plate to lower plate at intersection. e. Stud to sill plate.... ..4-8d toenails or 2-16d endnail. f. Double studs, face nail. ..16d at 12" o.c. g. Blocking between joists or rafters to top plate, toenail... ..3–8d .16d @ 16" o.c. along each edge. n. Continuous header, two pieces... i. Ceiling joists to plate, toenail...

. Continuous header to stud, toenail.. 4-8d k. Ceiling joists, laps over partitions, face nail.. .3-16d I. Ceiling joists to parallel rafters, face nail... ..3–16d ..16d @ 12" o.c. m.Built-up corner studs...

....8d @ 4" O.C. @ 3/8" from all panel n. 5/8" gyp. Sheathing to studs, sill plates & top plates.... edges and 8" O.C. @ intermediate supports.

o. For floor/roof stick framing construction, structural sheathing could be fastened to structural members using 16 gauge wire staples two inches long. Staples shall have a minimum of  $\frac{7}{16}$  diameter crown width. For roof and floor, staple spacing shall be per plan. For shear wall, spacing should be

p. Staples for structural insulated panels, sips shall be per sips notes. q. NOTES: REF: To the above Building Code.

## L ABBREVIATIONS:

I. ADDREY	VIA HONS:						
AB ADDL ALT APA  ARCH B BLKG BN BOF IBC  CJ  CL CLR CONN CONT DBL DIM DL DO DWG DWL E EA EF	ANCHOR BOLT ADDITIONAL ALTERNATE AMERICAN PLYWOOD ASSOCIATION ARCHITECTURAL BOTTOM BLOCKING BOUNDARY NAIL BOTTOM OF FOOTING INTERNATIONAL BUILDING CODE CONSTRUCTION JOINT OR CONTROL JOINT CENTER LINE CLEAR CONNECTION CONTINUOUS DOUBLE DIMENSION DEAD LOAD DITTO (REPEAT) DRAWING DOWEL EXISTING EACH EACH FACE	HSH ICBO ID INT JT	EQUAL EACH SIDE EACH WAY FRAMING ANCHOR FROST DEPTH FLOOR EDGE NAILING FINISHED FLOOR FIELD/INTERMEDIATE NAILING FAR SIDE FOOTING GALVANIZED GENERAL CONTRACTOR GEOTECHNICAL INVESTIGATION REPORT GLUED LAMINATED BEAM GRADE HEADER HANGER HORIZONTAL HORIZONTALLY SLOTTED HOLES INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS INSIDE DIAMETER INTERIOR JOINT LEDGER LIGHT GAUGE STEEL, COLD—FORMED STEEL	OH OSB OSSC OSV OTOB PERP	LIVE LOAD MATERIAL MAXIMUM MACHINE BOLT MANUFACTURER MINIMUM METAL NUMBER NEAR SIDE NOT TO SCALE ON CENTER OUTSIDE DIAMETER OREGON ONE & TWO FAMILY DWELLING SPECIALTY CODE OPPOSITE HAND ORIENTED STRAND BOARD OREGON STRUCTURAL SPECIALTY CODE ON SITE VERIFY OUT TO OUT OF BEARING PERPENDICULAR PLATE POUND PER LINEAR FOOT PSE, INC. PRESSURE TREATED PLATE WASHER REFERENCE	STD STGR STIFF T TB TD TG THK TN TOB TOF TOW TYP UBC UON VERT VSH WD	RAFTERS STRUCTURAL GENERAL NOTES SEPARATION SIMILAR SHEAR NAIL SNOW LOAD SPECIFICATION STANDARD STAGGER STIFFENERS TOP TOP & BOTTOM TYPICAL DETAILS TONGUE & GROOVE THICKNESS/THICK TOENAIL TOP OF BEAM TOP OF FOOTING TOP OF WALL TYPICAL UNIFORM BUILDING CODE UNLESS OTHERWISE NOTED VERTICAL VERTICAL VERTICAL WALL EDGE NALLING
Ε	EXISTING	INT	INTERIOR	PT	PRESSURE TREATED	VSH	VERTICAL SLOTTED HOLES
EF.		IDGR	LEDCED				
E1		LGST	LEDGER			WEN	WALL EDGE NAILING
EL	ELEVATION	LGST	LIGHT GAUGE STEEL,	REN	ROOF EDGE NAILING	WWF	WELDED WIRE FABRIC
EMBED	EMBEDMENT		COLD-FORMED STEEL	REINF	REINFORCEMENT	W/	WITH
EN	EDGE NAIL					w/o	WITHOUT
EOR	ENGINEER OF RECORD					, 0	

	SHEET IND	EX:	DEAS				
	S1	GENERAL STRUCTURAL NOTES	TS, II				
	S2	TYPICAL FRAMING DETAILS	JMEN				
	S3	FOUNDATION REACTIONS & FRAMING PLAN	THE DOCU				
Structural details for this project are for illustration only. They are not drawn to scale unless noted otherwise. Contractor must v	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.

www.structure1.com Klamath Falls Office 250 Main Klamath Falls, Oregon Phone: (541) 850-6300 Fax: (541) 850-6233 info@structure1.com

Medford Office 836 Mason Way Medford OR. 97501 Phone: (541) 858-8500 Fax: (541) 776-4663 infomd@structure1.com

Licensed in 48 States!

onstruction Types: ht Gauge Steel, Straw Bal nboo, Log, Timber/Wood, uctural Insulated Panels/SI asonry, Steel, Concrete. Modular Homes/Factory Built lousing (FBH), ICF, Shippina ntainers, and many more! mmercial or Residential. Green/Sustainable!

Project:

AquaWorks DBO, Inc. Screen Building

22158 County Rd 12, Phippsburg, Colorado.

Owner / Client: AquaWorks DBO Inc.

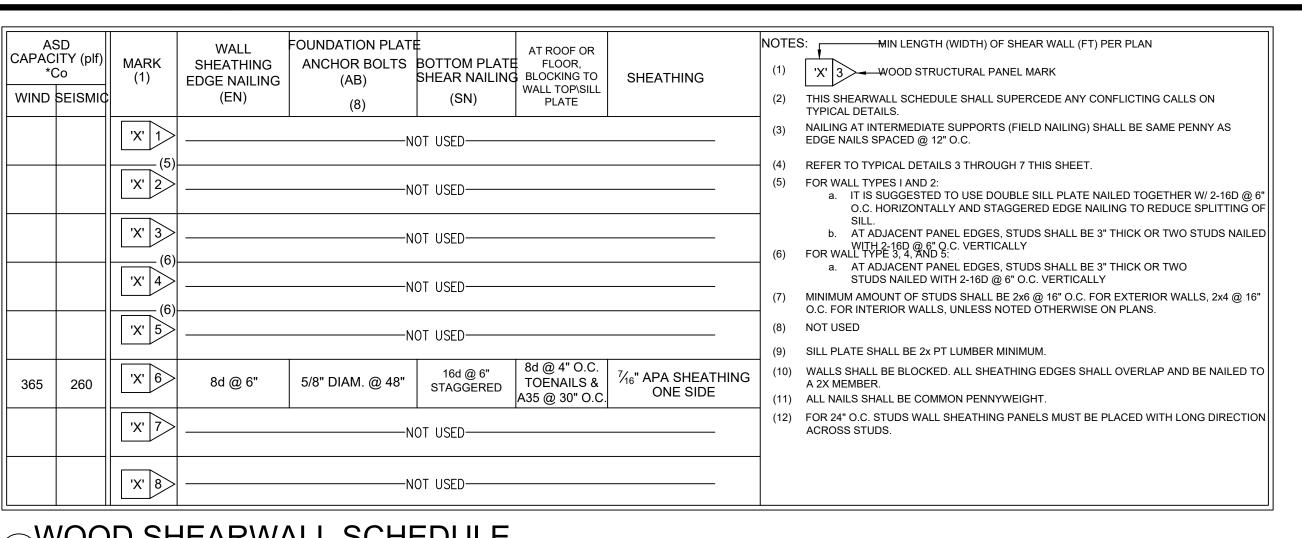


DRAWN BY: AYPN DS. BY: M.R.D CHK BY: N.T.

DATE: 04-06-202 GENERAL STRUCTURAL

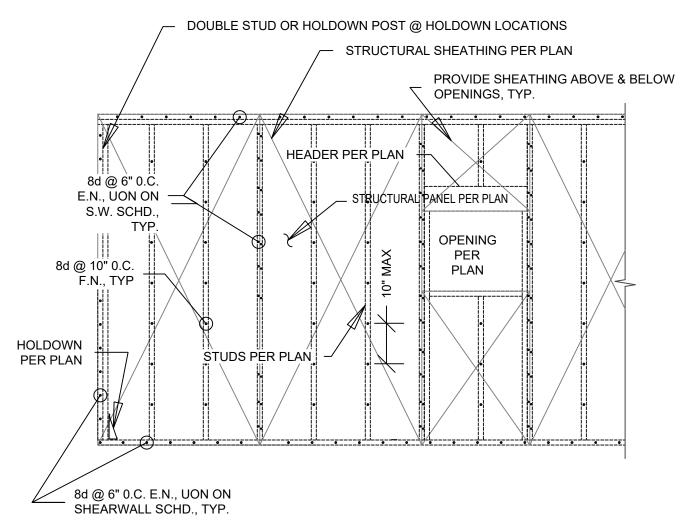
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PROJECT #: AQUAWORKS DBC INC., 224-2001

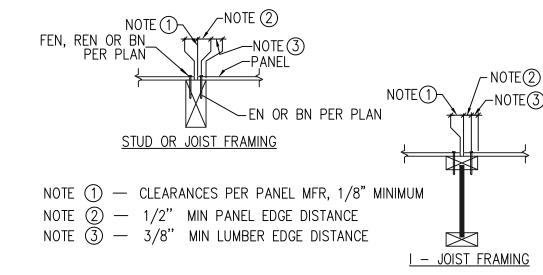


HOLDOWN	HOLDOWN	SIMPSON STRAP	ANCHOR BOLT	EMBED	STUDS/POST		GES (in. n	nin.)	MIN. STEMWALL	NOTES	CAPACITY
MARK	BRACKET	SIMPSON STRAP	(f'c=2500 psi min)	LENGTH	31003/2031	CORNER	END	EDGE	WIDTH	NOTES	(lbs.) ASD
HDU4	HDU4-SDS2.5	_	SB <sup>5</sup> %x24	8"	2 - 2x STUDS OR 1 - 4x POST	41⁄4"	41⁄4"	1¾"	6"	_	4,565
CS16	_	CS16	N/A	N/A	1 - 2x STUDS OR 1 - 4x POST	N/A	N/A	N/A	N/A	USE MAX. NAILING PER MNFR.	1,705

# WOOD SHEARWALL SCHEDULE Scale: N/A

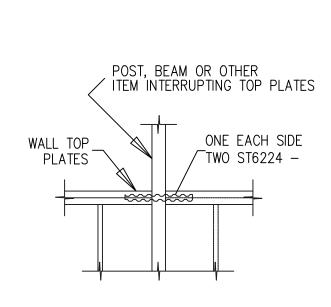


TYPICAL SHEAR WALL ELEVATION, UON

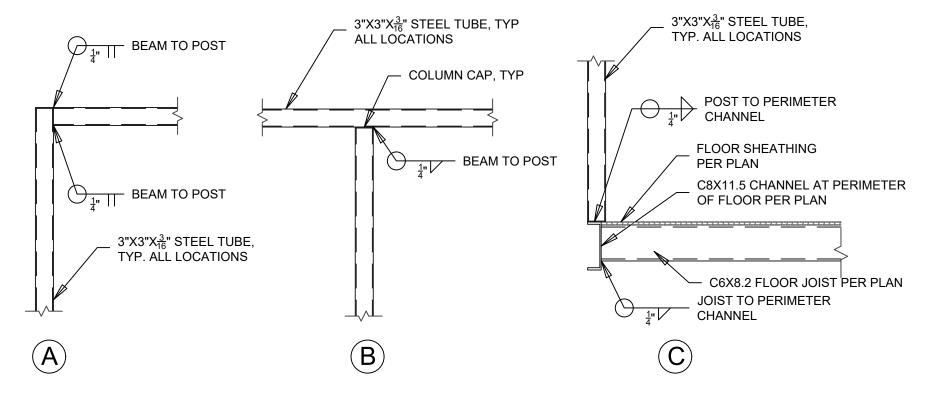


TYPICAL WOOD STRUCTURE PANEL NAILING FOR WALL, FLOOR AND ROOF, UON

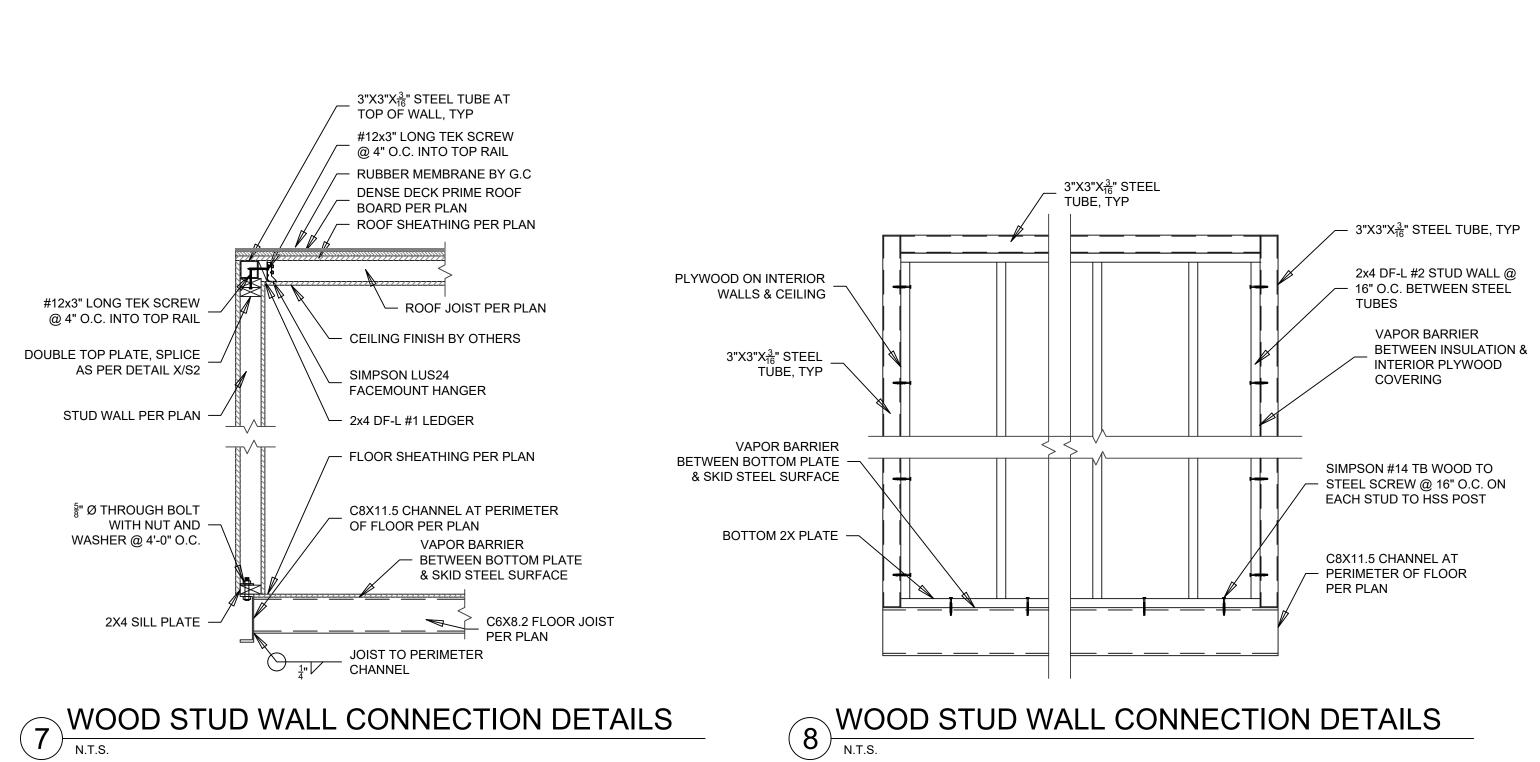
Scale: N.T.S.

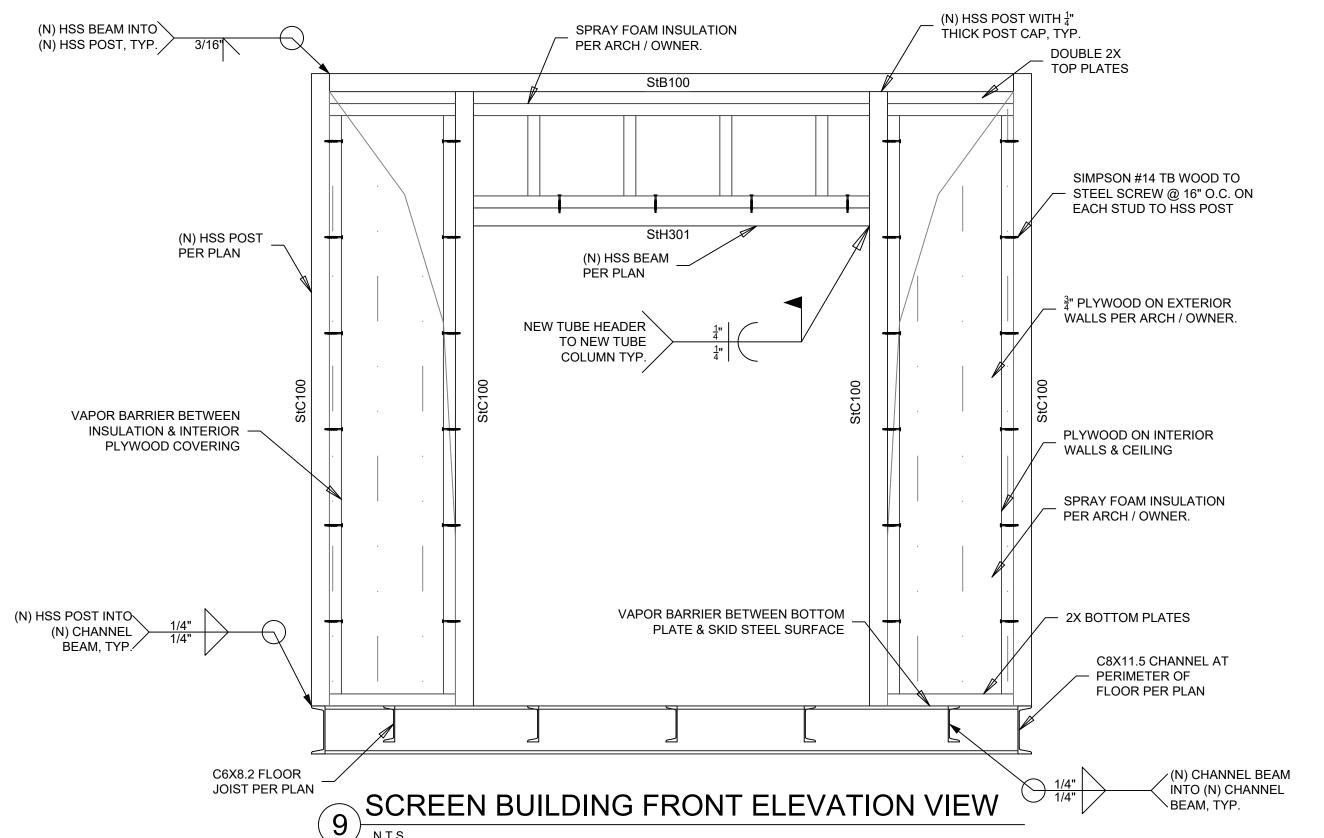






## STEEL HSS TUBE CONNECTION DETAILS 6 N.T.S.





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 drawing

PSE Consulting Engineers, Inc.

> www.structure1.com Klamath Falls Office 250 Main Klamath Falls, Oregon Phone: (541) 850-6300 Fax: (541) 850-6233 info@structure1.com

Medford Office 836 Mason Way Medford OR. 97501 Phone: (541) 858-8500 Fax: (541) 776-4663 infomd@structure1.com

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Project:

AquaWorks DBO, Inc. Screen Building

22158 County Rd 12 Phippsburg, Colorado.

Owner / Client: AquaWorks DBO Inc.

4-25-2024 Expires 10/31/2025

DRAWN BY: AYPN DS. BY: M.R.D

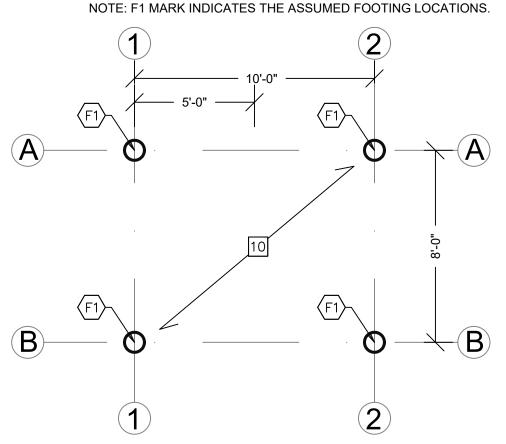
CHK BY: N.T. DATE: 04-06-202

**TYPICAL** DETAILS

PAGE NO:

PROJECT #: AQUAWORKS DB0 Inc., 224-2001

Scale: N.T.S.

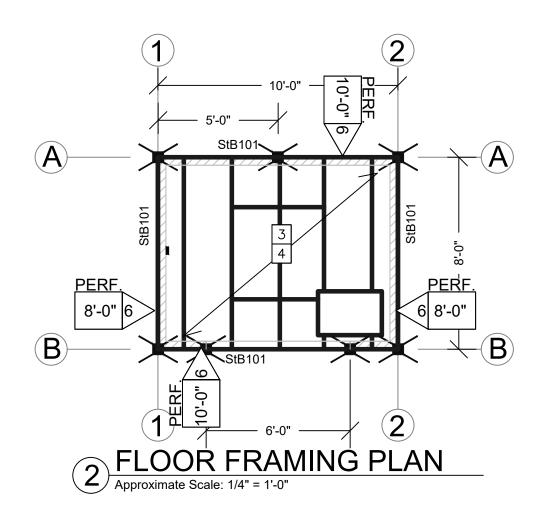


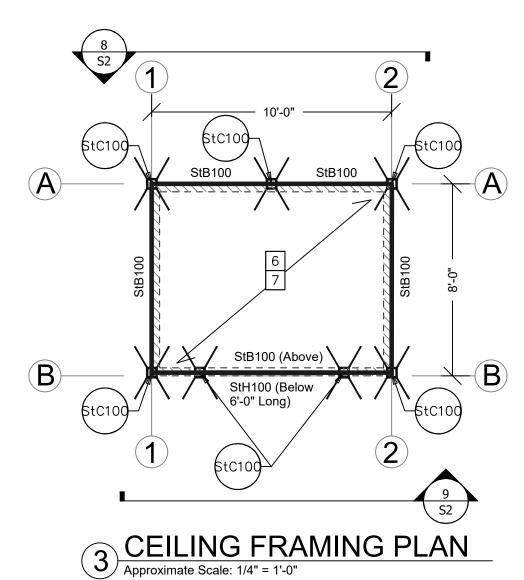
NOTE: F1 MARK INDICATES THE ASSUMED FOOTING LOCATIONS. FOR INCLUDING LATERAL LOADS TYPICAL ALL CORNER POST LOCATIONS: DOWNFORCE = 4191 LBS UPLIFT = 996 LBS SHEAR = 1251 LBS SUMMARY OF REACTIONS AT FOOTING POINTS

FOR LRFD LOAD COMBINATION

DESIGN DATA:							
ROOF DESIGN LOADS:							
GROUND SNOW LOAD:	70.1 PSF						
ROOF SNOW LOAD:	70 PSF						
ROOF LIVE LOAD:	20 PSF						
ROOF DEAD LOAD:	15 PSF						
CEILING DEAD LOAD:	5 PSF						
FLOOR DESIGN LOADS:							
FLOOR DEAD LOAD:	15 PSF						
FLOOR LIVE LOAD:	40 PSF						
LIVE LOAD OCCUPANCY:	RESIDENTIAL						
WIND DESIGN LOADS:							
ULTIMATE (3-SEC GUST)	105 MPH						
EXPOSURE CATEGORY:	С						
SEISMIC DESIGN LOADS:							
Ss	0.525						
S1	0.097						
SEISMIC DESIGN CATEGORY	С						
le	1.0						

## FOUNDATION LOADS: ASSUMED LOCATIONS





MARK	SIZE	MATERIAL	CAMBER (INCH)	REMARKS
StB100	HSS 3X3X <sup>3</sup> / <sub>16</sub> "	A1085	_	MAIN STRUCTURE BOX FRAME
StB101	C8X11.5	A36	_	BOTTOM DECK FRAME
StB102	C6X8.2	A36	-	BOTTOM DECK FRAME

## 4 STEEL BEAM SCHEDULE (StB)

MARK	SIZE	TYPE	BASE CONNECTION	TOP CONNECTION	REMARKS
StC100	HSS 3x3x <del>3</del> "	A1085	REFER TO DETAIL 6/S2	REFER TO DETAIL 2/S2	-

# 5 STEEL COLUMN SCHEDULE (StC)

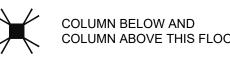
MARK	MAX OPENING	COMBINATION	FRAME SIZE	REMARKS
StH100	UP TO 6'-0"	A1085	HSS 3x3x <del>3</del> "	REFER TO DETAIL 9/S2

6 STEEL HEADER SCHEDULE (StH)

### LEGEND:

DISCONTINUOUS 2X4 DF-L #2 @ 16" O.C. SHEAR WALL AND/OR LOAD BEARING WALL SUPPORTING/BELOW THIS FLOOR/ROOF.

DISCONTINUOUS 2X4 DF-L #2 @ 16" O.C. SHEAR WALL AND/OR LOAD BEARING WALL SUPPORTING ABOVE THIS FLOOR/ROOF.



COLUMN ABOVE THIS FLOOR.



COLUMN SUPPORTING NEXT FLOOR/ROOF UP.



DISCONTINUOUS COLUMN SUPPORTING THIS FLOOR/ROOF.



VERTICAL WINDOW FRAMING STUB POST, NOT FULL

INDICATES HOLD-DOWN MARK, REFER TO HOLD -DOWN SCHEDULE.

INDICATES SHEET NOTES. INDICATES COLUMN MARK, REFER TO COLUMN SCHEDULE.

NUMERICAL VALUE, 1, 2, 3 ETC.

### SHEET NOTES:

REFER TO S1 FOR STRUCTURAL GENERAL NOTES AND TO FLOOR DETAIL SHEETS FOR CONSTRUCTION DETAILS. TYPICAL DETAILS ARE GENERALLY NOT CUT ON PLANS BUT RATHER ARE INTENDED TO DEFINE TYPICAL CONSTRUCTION CONDITIONS. WHERE TYPICAL DETAILS ARE CUT ON PLAN, THE INTENT IS TO ILLUSTRATE THE TYPE OF CONDITION AT WHICH THAT DETAIL IS INTENDED TO APPLY RATHER THAN EVERY OCCURRENCE OF THAT DETAIL.

VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS. DO NOT SCALE DRAWINGS.

CHECKERED STEEL FLOOR PLATE OR EQUIVALENT AS PER ARCH DRAWINGS / OWNER. (OR) IF THE FLOOR SHEATHING IS DONE WITH PLYWOOD SHEATHING MEANS, THE 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.

ALL THE INTERIOR / INNER SIDE BEAMS ARE StB102 - C6X8.2. & FOR OUTER PERIMETER MAIN BEAM WILL BE StB101 - C8X11.5, AS PER ARCH DRAWING & DIMENSIONS, SEE 1-3/S3 FOR MORE DETAILS.

ROOF DRAINAGE SHALL BE DIRECTED AWAY FROM FOUNDATION.

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 7/S2.

RUBBER MOISTURE BARRIER ABOVE <sup>1</sup>/<sub>2</sub>" DENSEDECK ROOF BOARD WITH (20) FASTENERS PER 4'X8' BOARD INTO ROOF SHEATHING BELOW. SEE DENSDECK TECHNICAL GUIDE FOR ADDITIONAL INFORMATION. ROOF SHEATHING SHALL BE 5/8" THICK APA PLYWOOD WITH 24"/16" SPAN RATING. USE 8d @ 4" O.C. (BN) AT EXTERIOR WALLS AND INTERIOR SHEAR WALLS. 8d @ 6" O.C. (REN) AT PANEL EDGES AND 8d @ 10" O.C. AT INTERMEDIATE SUPPORTS, UON. MINIMUM PENETRATION IS 1 5/8" INTO FRAMING.

8 ALL EXTERIOR WALLS SHALL BE TYPE 6 PER SHEAR WALL PER SHEAR WALL SCHEDULE UNLESS OTHERWISE NOTED ON PLANS.

9 IF HEAVY EQUIPMENT (WEIGHING OVER 500LBS) IS PLACED OVER FINISHED FLOOR CONTACT EOR FOR REVIEW PRIOR TO INSTALLATION.

FOUNDATION, BASE PLATE, ANCHOR BOLT DESIGN BY OTHERS. FOR THE FOUNDATION BASE NODE REACTIONS REFER SHEET 1/S3. CONTACT PSE FOR ADDITIONAL INFORMATION.

PSE Consulting Engineers, Inc.

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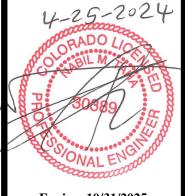
onstruction Types: ıt Gauge Steel, Straw Bale boo, Log, Timber/Wood, uctural Insulated Panels/SIF sonry, Steel, Concrete, odular Homes/Factory Built using ( FBH ), ICF, Shipping itainers, and many more! nmercial or Residential. d Green/Sustamable!

Project:

AquaWorks DBO, Inc. Screen Building

22158 County Rd 12, Phippsburg, Colorado.

Owner / Client: AquaWorks DBO, Inc.



Expires 10/31/2025

DRAWN BY: AYPN DS. BY: M.R.D

CHK BY: N.T. DATE: 04-06-2024

FRAMING PLANS & DETAILS

PAGE NO:

PROJECT #: AQUAWORKS DBC INC., 224-2001

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