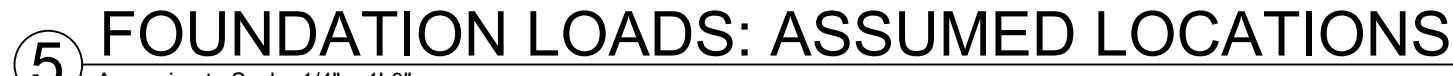




3 STEEL COLUMN SCHEDULE (StC)
N.T.S. COLUMN BELOW, SUPPORTING

④ STEEL HEADER SCHEDULE (StH)



DESIGN DATA:	
ROOF DESIGN LOADS:	
GROUND SNOW LOAD:	70.1 PSF
ROOF SNOW LOAD:	49.1 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	0.525
S1	0.097
SEISMIC DESIGN CATEGORY	C
le	1

State of Colorado
Division of Housing
Jul/23/2024



APPROVED PLANS
Subject to field inspection

5-22-2024



The seal is a circular red stamp. The outer ring contains the text "COLORADO LICENSED" at the top and "PROFESSIONAL ENGINEER" at the bottom. The center of the seal contains the name "DAVID M. TAIT" and the license number "30389". A blue ink signature is written across the seal, and a blue date stamp "5-22-2024" is at the top left.

Expires 10/31/2025

S2

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.

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

1. Design Shown on drawings by PSE is for the following items.
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 other 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, channels, 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 necessary means and methods, and the 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 in record before proceeding with the work.
10. Where conflicting construction 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.
 - Gued-Laminated members, drawings to conform to AISC.
 - 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.
16. All substitutions for materials, members, hardware or equipment 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 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 = n/a
 - d. Roof Dead Load = 15 psf.
 - e. Ground Snow Load, $P_g = 70.1$ psf.
 - f. Flat Roof snow load = 49.1 psf.
 - g. Snow Exposure Factor, $C_e = 1.0$
 - h. Snow Load Importance Factor, $I_s = 1.0$
 - i. Thermal Factor, $C_t = 1.0$
 - j. Ultimate Wind Speed (3 second gust) = 105 mph
 - k. Wind Importance Factor, $I_w = 1.0$
 - l. Wind Exposure = C
 - m. Internal Pressure Coefficient = 0.85
 - n. Components and Cladding studs = 21.71 psf
 - o. Seismic Importance Factor, $I_e = 1.0$
 - p. Site Class = D
 - q. $S_s = 0.525$
 - r. $S_1 = 0.097$
 - s. $S_{ms} = 0.725$
 - t. $Sm_1 = 0.233$
 - u. $S_{ds} = 0.483$
 - v. $S_{d1} = 0.155$
 - w. Seismic Design Category = C
 - x. Basic Seismic Force Resisting System = LIGHT FRAME WALLS WITH SHEAR PANELS
 - y. Design Base Shear $F = 0.242 * W$
 - z. Approximate Fundamental Period, $T = 0.10$
 - aa. Response Modification Factor = 5
 - ab. 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	Yield Strength F _y , ksi
W-shape	A 992	50-65
Angles	A 36	36
Rectangular Tube, HSS	A 500, G.R.C	50
Round Tube, HSS	A 500, G.R.C	46
Pipe	A53, G.R.B	35
Plate	A 36	36
F _a - F _t Bolts	A 325	120/105
LG5 Stud x 18g	A 570 Gr. 33	33
LG5 Stud x 12g	A 570 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 tension specified in the specification for structural bolts, AISC 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 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 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. WOOD:

GENERAL

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 installed wood siding resulting from field cutting, planing or hanging shall be treated accordingly in accordance with WPA M-4.
2. Minimum 1/2 inch and 3/4 inch gaps for horizontal joints in concrete or masonry. Minimum bearing 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
STICKS

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. Gued-Laminated timber shall be manufactured, inspected, and tested according to:
 - a. American National Standards for Wood Products—Gueds-Structural Gued-Laminated Timber, ANSI/AITC A190.1 – 1992
 - b. Standard Specification for Structural Gued-Laminated Timber of Softwood Species, AITC 117; Manufacturing.
 - c. Design and Standard Specifications for Hardwood Gued-Laminated Timber, AITC 119.
2. In case of conflict, the most stringent requirement shall apply.
3. Submit certificate by one of the two agencies to the Engineer and the Building Inspector prior to installation.
4. Gued-Laminated timber shall have wet-use adhesive, ASTM D2559. Lamination shall be 2 inches nominal. Appearance shall be Industrial, AITC 110.
5. Colorless end sealer shall be applied immediately to the ends of all members after fabrication and field trimming. Members shall be individually wrapped.
6. Pressure treatment shall be provided for all members exposed to weather and not protected by a roof or eave overhang.
7. All cuts, holes, etc. shall be re-coated as recommended by the manufacturer.
8. Gued-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.

JOISTS/ RAFTERS:

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.

STUD

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.

SHEA

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. All anchor hardware and fasteners shall be as specified for the Simpson-Strong Tie Company. Size and number of nails, screws or bolts to be the maximum specified by the manufacturer UON.
5. Nails shall be common wire unless otherwise noted.
6. Fastening 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 than 7 bolt diameters from the end and 4 diameters from the edge of the member. Bore holes $\frac{3}{4}$ to $\frac{1}{2}$ inch larger than the bolt diameter. All nuts shall be tightened when installed and re-tightened at completion of work or before closing in. Threaded projection shall be $\frac{1}{2}$ inch minimum beyond the nut. Use 5/16 inch diameter X 3" washers, typ.
8. Load: Low 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. Screws: Screws and hold-down anchors shall be installed per manufacturer's approved [OC or ICC] product evaluation report. Install hold-downs at 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..... | 3-8d | | | | |
| b. Bridging to joist, toenail each end..... | 2-8d | | | | |
| c. Sill plate to joist or blocking, typical, face nail [SN]..... | 16d at 6" o.c. | | | | |
| d. Double top plates: <ul style="list-style-type: none">• Lower plate to studs..... | 3-16d | 16d @ 12" O.C. | 20-16d minimum UON on drawings. | 3-16d | |
| 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 | | | | |
| h. Continuous header, two pieces..... | 16d @ 16" o.c. along each edge. | | | | |
| i. Ceiling joists to plate, toenail..... | 3-8d | | | | |
| j. Continuous header to stud, toenail..... | 4-8d | | | | |
| k. Ceiling joists, tops over portions, face nail..... | 3-16d | | | | |
| l. Ceiling joists to parallel rafters, face nail..... | 3-16d | | | | |
| m. Built-up corner studs..... | 16d @ 12" o.c. | | | | |
| n. 5/8" typ. Sheathing to studs, sill plates & top plates..... | 8d @ 4" O.C. @ 3/8" from all panel 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 $\frac{1}{16}$ inch diameter crown width. For roof and floor, staple spacing shall be per plan. For shear wall, spacing should be per shear wall schedule.
- p. Staples for structural insulated panels, sips shall be per sips notes.
- q. NOTES: REF: To the above Building Code.

I. ABBREVIATIONS:

AB	ANCHOR BOLT	EQ	EQUAL	LL	LIVE LOAD	RFT	RAFTERS
ADDL	ADDITIONAL	ES	EACH SIDE	ML	MATERIAL	SGN	STRUCTURAL GENERAL
ALT	ALTERNATE	EW	EACH WAY	MAX	MAXIMUM		SIZES
APA	AMERICAN PLYWOOD ASSOCIATION	FA	FRAMING ANCHOR	MFR	MACHINE BOLT	SEP	SEPARATION
ARCH	ARCHITECTURAL	FD	FROST DEPTH	MFB	MANUFACTURER	SIM	SIMILAR
BKG	BLOCKING	FE	FLOOR EDGE NAILING	MIN.	MINIMUM	SN	SHORE NAIL
BT	BOTTOM OF FOOTING	FF	FINISHED FLOOR	MTL	METAL	SNL	SNOW LOAD
IBC	INTERNATIONAL BUILDING CODE	FN	FIELD/INTERMEDIATE	NO.	NUMBER	SPC	SPECIFICATION
		FS	NAILING	NS	NEAR SIDE	STD	STANDARD
BC	BOTTOM OF FOOTING	FT	FAR SIDE	NTS	NOT TO SCALE	STGR	STAGGER
BN	BLOCKING	FO	FOOTING	OC	ON CENTER	STIFF	STIFFENERS
		GALV	GALVANIZED	OD	OUTSIDE DIAMETER	T	TOP
CJ	CONSTRUCTION JOINT OR CONTROL JOINT	GC	GENERAL CONTRACTOR	ODSD	OREGON ONE & TWO FAMILY DWELLING SPALTY CODE	TB	TOP & BOTTOM
CL	CENTER LINE	GR	GEOTECHNICAL INVESTIGATION REPORT	OH	OPPOSITE HAND	TG	TONGUE & GROOVE
CLR	CLEAR	GLB	GLUED LAMINATED BEAM	OS	ORIENTED STRAND BOARD	THK	THICKNESS/THICK
CONN	CONNECTION	GR	GRADE	OSV	OREGON STRUCTURAL SPECIALTY CODE	TN	TOENAIL
CONT	CONTINUOUS	HDR	HEADER	OSS	ON SITE VERIFY	TB	TOP OF BEAM
DBL	DOUBLE	HGR	HANGER	OTB	OUT TO OUT OF BEARING	TOF	TOP OF FOOTING
DM	DIMENSION	HORIZ	HORIZONTAL	OTB	OUT TO OUT OF BEARING	TOP	TOP OF WALL
DL	DEAD LOAD	HSH	HORIZONTALLY SLOTTED HOLES	PERP	PERPENDICULAR	TYP	TYPICAL
DO	DITTO (REPEAT)	ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS	PL	PLATE	UBC	UNIFORM BUILDING CODE
DWC	DRAWING		INSIDE DIAMETER	PLF	POUND PER LINEAR FOOT	UCN	UNLESS OTHERWISE NOTED
DWC	DRAWING	ID	INTERIOR	PSE	PRESSURE TREATED	VSH	VERTICAL SLOTTED HOLES
E	EXISTING	INT	INTERIOR	PW	PLATE WASHER	W	WOOD
EA	EACH	JT	JOINT	REF	REFERENCE	WN	WALL EDGE NAILING
EAC	EACH	LDR	LEDGER	RFN	ROOF EDGE NAILING	WWF	WEED WEDGE FABRIC
EF	ELEVATION	LGT	LIGHT GAUGE STEEL	REIN	REINFORCEMENT	W/O	WITHOUT
EMBED	EMBEDMENT		COLD-FORMED STEEL			W/	WITH
EN	EDGE NAIL					W/O	WITHOUT
EOR	ENGINEER OF RECORD						

State of Colorado
Division of Housing
Jul/23/2024

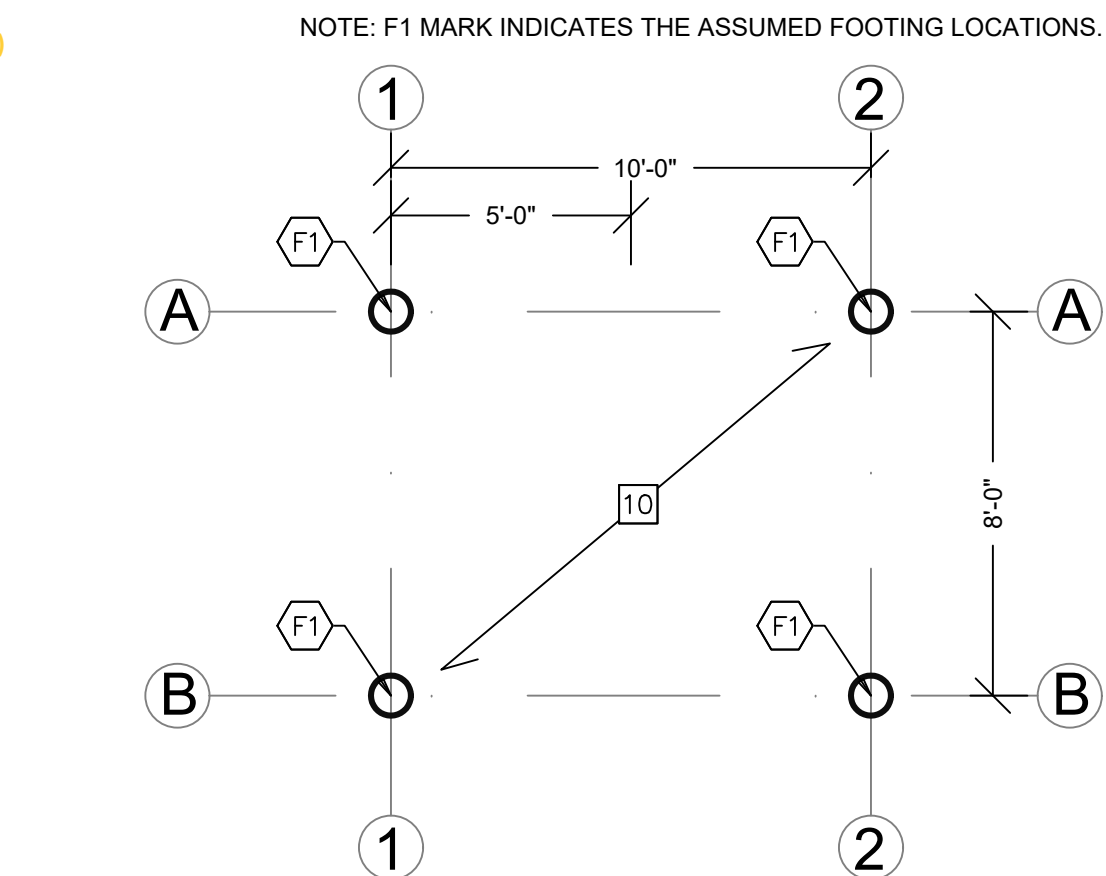


APPROVED PLANS
Subject to field inspection

SHEET INDEX:	
S1	GENERAL STRUCTURAL NOTES
S2	TYPICAL FRAMING DETAILS
S3	FOUNDATION REACTIONS & FRAMING PLAN

S1

PROJECT #:
AQUAWORKS DBC
INC., 224-2001



NOTE: F1 MARK INDICATES THE ASSUMED FOOTING LOCATIONS.

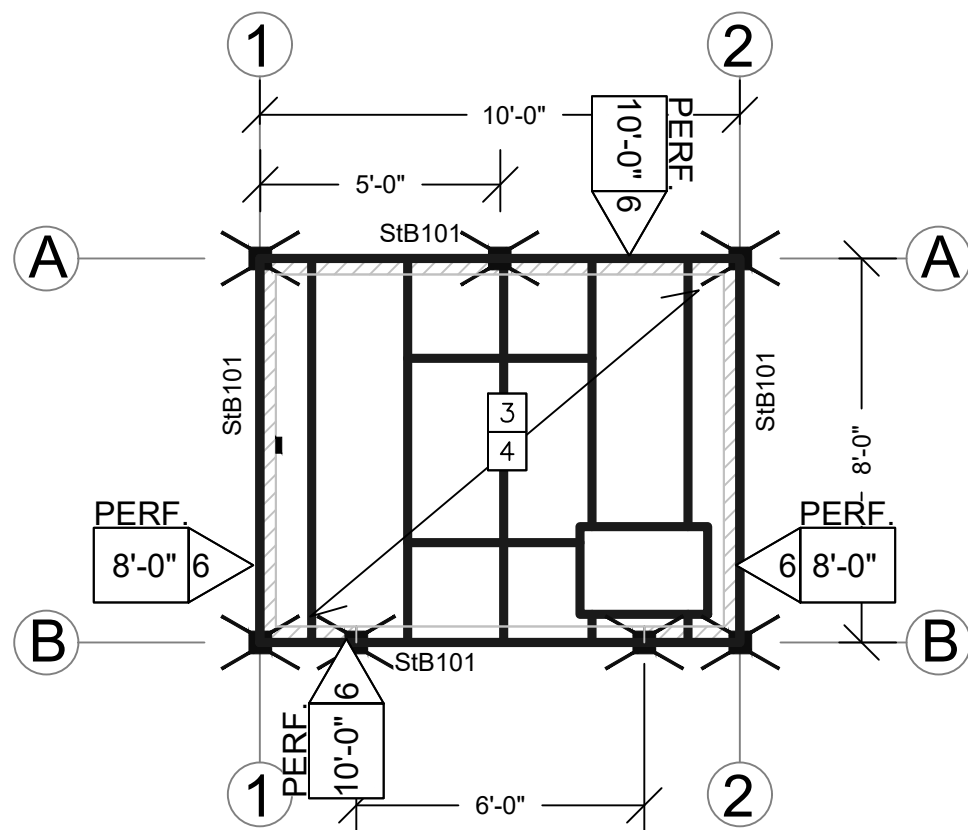
FOR INCLUDING LATERAL LOADS TYPICAL
ALL CORNER POST LOCATIONS:

DOWNFORCE = 4191 LBS
UPLIFT = 996 LBS
SHEAR = 1251 LBS

SUMMARY OF REACTIONS AT FOOTING POINTS
FOR LRFD LOAD COMBINATION

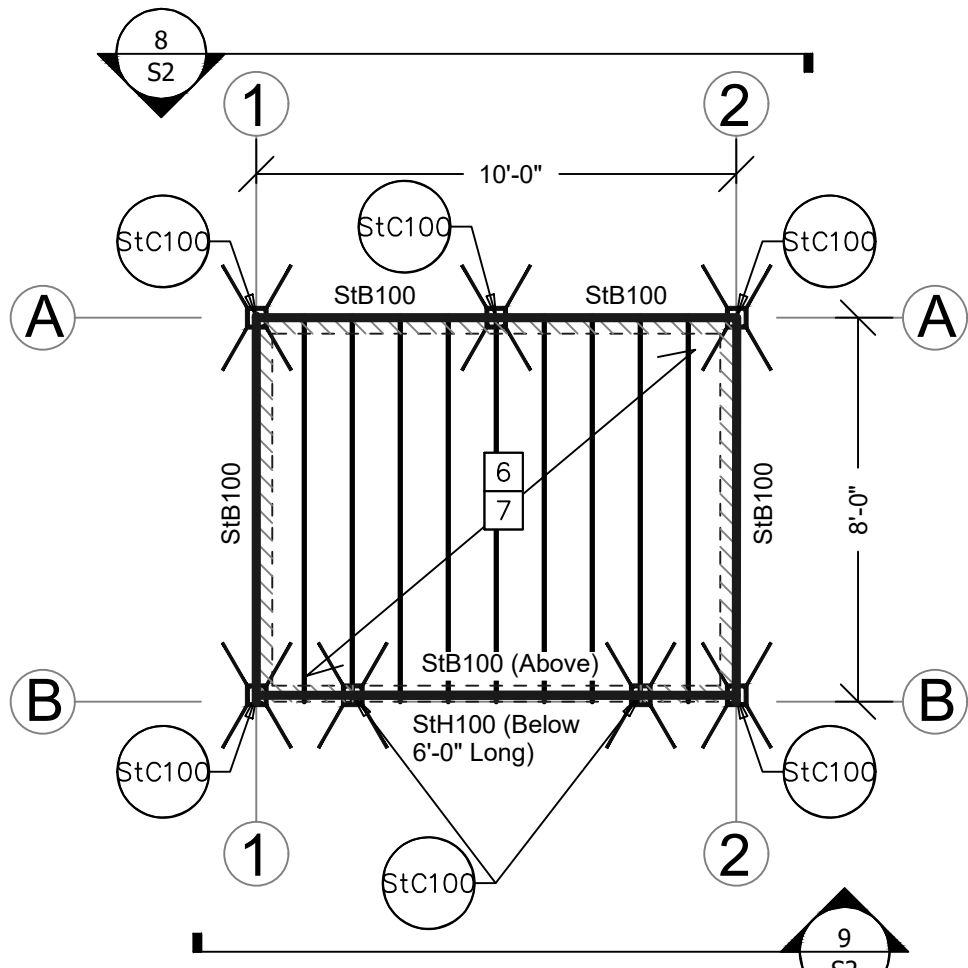
DESIGN DATA:		
ROOF DESIGN LOADS:		
GROUND SNOW LOAD:		70.1 PSF
ROOF SNOW LOAD:		70 PSF
ROOF LIVE LOAD:		20 PSF
ROOF DEAD LOAD:		15 PSF
CEILING DEAD LOAD:		5 PSF
FLOOR DESIGN LOADS:		
FLOOR DEAD LOAD:		15 PSF
FLOOR LIVE LOAD:		40 PSF
LIVE LOAD OCCUPANCY:		RESIDENTIAL
WIND DESIGN LOADS:		
ULTIMATE (3-SEC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

1 FOUNDATION LOADS: ASSUMED LOCATIONS



2 FLOOR FRAMING PLAN

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



3 ROOF FRAMING PLAN

MARK	SIZE	MATERIAL	CAMBER (INCH)	REMARKS
SIB100	HSS 3X3X $\frac{3}{16}$ "	A1085	—	MAIN STRUCTURE BOX FRAME
SIB101	C8X11.5	A36	—	BOTTOM DECK FRAME
SIB102	C6X8.2	A36	—	BOTTOM DECK FRAME

4 STEEL BEAM SCHEDULE (StB)

MARK	SIZE	TYPE	BASE CONNECTION	TOP CONNECTION	REMARKS
SIC100	HSS 3x3x $\frac{3}{16}$ "	A1085	REFER TO DETAIL 6/S2	REFER TO DETAIL 2/S2	-

5 STEEL COLUMN SCHEDULE (StC)
N.T.S.

MARK	MAX OPENING	COMBINATION	FRAME SIZE	REMARKS
SIH100	UP TO 6'-0"	A1085	HSS 3x3x $\frac{3}{16}$	REFER TO DETAIL 9/S2

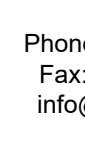
6 STEEL HEADER SCHEDULE (StH)
N.T.S.

	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 BELOW AND COLUMN ABOVE THIS FLOOR.
	COLUMN SUPPORTING NEXT FLOOR/ROOF UP.
	DISCONTINUOUS COLUMN SUPPORTING THIS FLOOR/ROOF.
	VERTICAL WINDOW FRAMING STUB POST, NOT FULL HEIGHT.
	INDICATES HOLD-DOWN MARK, REFER TO HOLD-DOWN SCHEDULE.
	INDICATES SHEET NOTES.
	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 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.
- 2 VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS. DO NOT SCALE DRAWINGS.
- 3 CHECKERED STEEL FLOOR PLATE OR EQUIVALENT FOR ALL 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.
- 4 ALL THE INTERIOR / INNER SIDE BEAMS ARE S18102 - C6X8.2. & FOR OUTER PERIMETER MAIN BEAM WILL BE S18101 - C6X11.5, AS PER ARCH DRAWING & DIMENSIONS, SEE 1-1/3S3 FOR MORE DETAILS.
- 5 ROOF DRAINAGE SHALL BE DIRECTED AWAY FROM FOUNDATION.
- 6 2x4 DFL-11 RAFTER @ 12" O.C. WITH 2X BLOCKING AT HALFWAY POINT AND WOOD SHIM ABOVE @ 1/3RD POINTS. REFER TO DETAIL 7/S2.
- 7 RUBBER MOISTURE BARRIER ABOVE 3/4" DENSEDECK ROOF BOARD WITH 20 FASTENERS PER 4'X8" BOARD INTO ROOF SHEATHING BELOW. SEE DENSEDECK 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.
- 10 FOUNDATION, BASE PLATE, ANCHOR BOLT DESIGN BY OTHERS. FOR THE FOUNDATION BASE NODE REACTIONS REFER SHEET 1/S3. CONTACT PSE FOR ADDITIONAL INFORMATION.



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Project: AquaWorks DBO, Inc. Screen Building		
22158 County Rd 12, Phippsburg, Colorado.		
Owner / Client: AquaWorks DBO, Inc.		
 Expires 10/31/2025		
REVISION	SCHEDULE	DATE
MARK	DESCRIPTION	
DRAWN BY: AYPN		
DS. BY: M.R.D		
CHK BY: N.T.		
DATE: 04-06-2024		
TITLE: FRAMING PLANS & DETAILS		
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S3		
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