



DESIGN DATA:	
ROOF DESIGN LOADS:	
GROUND SNOW LOAD:	76.82 PSF
ROOF SNOW LOAD:	80 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	0.582
S1	0.102
SEISMIC DESIGN CATEGORY	C
Ie	1.0

[illegible]

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

MARK	SIZE	TYPE	BASE CONNECTION	TOP CONNECTION	REMARKS
StC100	HSS 3x3x $\frac{3}{16}$	A1085	REFER TO DETAIL 6/S2	REFER TO DETAIL 2/S2	-

MARK	MAX OPENING	COMBINATION	FRAME SIZE	REMARKS
SH100	UP TO 6'-0"	A1085	HSS 3x3x $\frac{3}{16}$ "	REFER TO DETAIL 9/S2

Graphic Scale

0ft 10ft

$\frac{1}{4}$ Inch = 1 Foot

	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.
	NUMERICAL VALUE, 1, 2, 3 ETC.

- 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 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. (REN) ALL 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 OUTR PERIMETER MAIN BEAM WILL BE S18101 - CBX11.5, AS PER ARCH DRAWING & DIMENSIONS, SEE 1-3/32 FOR MORE DETAILS.
- 5 ROOF DRAINAGE SHALL BE DIRECTED AWAY FROM FOUNDATION.
- 6 2x4 DFL-1 CEILING JOIST @ 12" O.C. WITH 2x8 BLOCKING AT HALFWAY POINT AND WOOD SHIM ABOVE @ 1/3RD POINTS. REFER TO DETAIL 7/52.
- 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 1/53. CONTACT PSE FOR ADDITIONAL INFORMATION.

[illegible]

PROJECT #:
AQUAWORKS DBO
NC., 224-2002

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.