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MOORING REINFORCEMENT

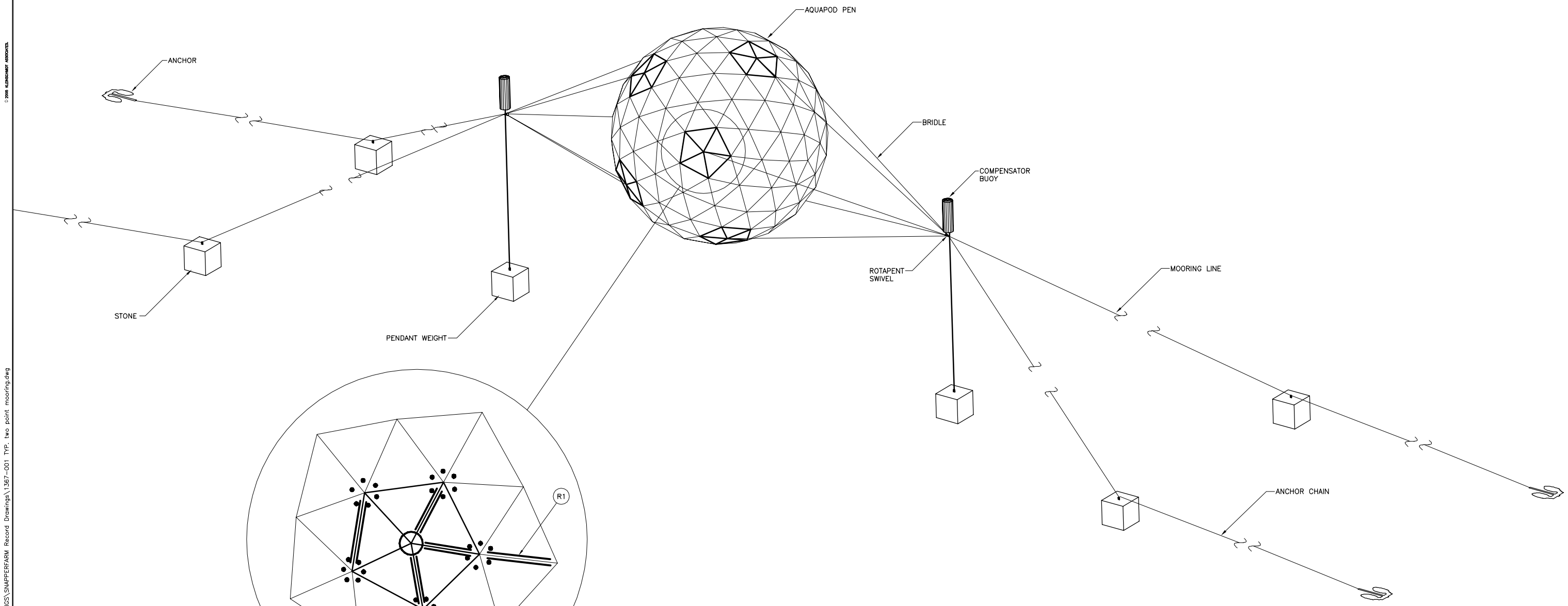
(R1) REINFORCING DOUBLERS. 2 DOUBLERS EACH LOCATION, 20 LOCATIONS.

● INDICATES APPROXIMATE LOCATION OF STEEL GUSSETS.

MOORING SYSTEM DESIGN

ITEM	VALUE	UNITS
PEN SIZE	3250	m^3
DIAMETER	62	FT
PEN U.W. WEIGHT	350	POUNDS
SITE DEPTH	93	FT
SCOPE RATIO	6	TO 1
PEN CLEARANCE	16	FT
DESIGN CURRENT	1.20	KNOTS
DESIGN DRAG (MIN)	7562	POUNDS
DESIGN DRAG (MAX)	15123	POUNDS
STONE TO ANCHOR	90	FT
LINE SAFETY FACTOR	4	TO 1
BRIDLE HALF ANGLE	27	DEGREES
BRIDLE LENGTH	62	FT
PEN EQUATOR HEIGHT	47	FT
MOORING LINE LENGTH	283	FT
MOORING LINE ANGLE	9.46	DEGREES

DRAG	POUNDS	POUNDS	POLYSTEEL ROPE	
	7562	15123	DIA.	LENGTH
BUOY VERT. LOAD	1260	2521		
MOORING LINE TENSION	7666	15332		
MOORING LINE STRENGTH	30664	61327	1 5/8	1131
BRIDLE LOAD (5)	1691	3382		
BRIDLE STRENGTH	6763	13526		
BRIDLE LOAD (3)	2818	5636	1	62
BRIDLE STRENGTH	11272	22543		



TYPICAL BRIDLE ATTACHMENT POINT REINFORCEMENT

N.T.S.

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114 Higgins Road North
Searsmont, Maine 04973
207-322-4322

No.	Revision	Date

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AutoCad Release: 2005
Filename: 1367-001 TYP. two point mooring.dwg
Design By: OWNER
Drawn By: CFF
Checked By: STR
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OCEAN FARM TECHNOLOGIES INC.
114 HIGGINS RD NORTH, SEARSMONT, MAINE 04973 207-322-4322

AQUAPOD A 3250
SNAPPERFARM SITE

TYPICAL TWO-POINT MOORING FOR AQUAPOD 3250

Kleinschmidt
Energy & Water Resource Consultants
75 Main St. P.O. Box 576
Pittsfield, Maine 04967
Telephone: (207) 487-3328
Fax: (207) 487-3124
www.KleinschmidtUSA.com

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