

BEACH SHELTER

PROGRAM

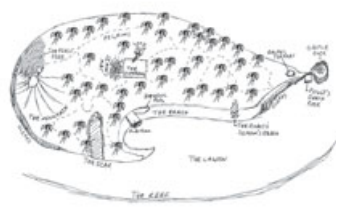
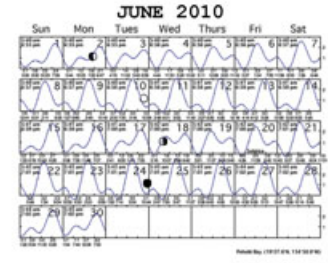
SDC
The Urban Assembly School of Design and Construction
IRON DESIGNER
june 17, 2010



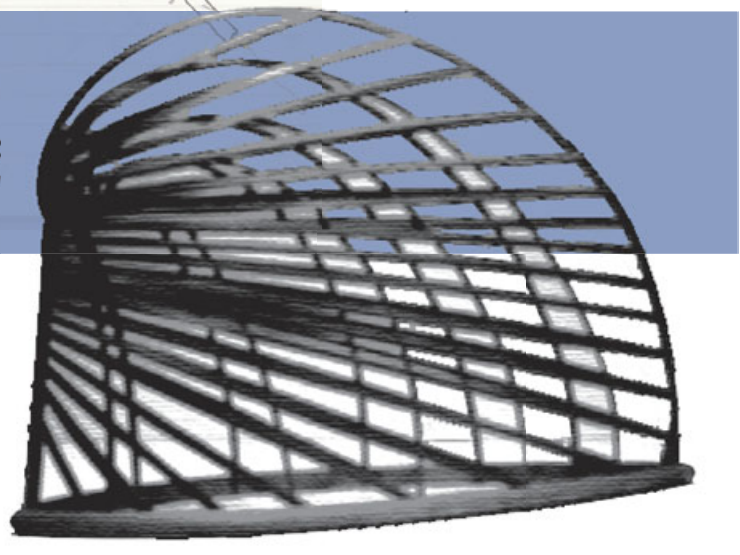
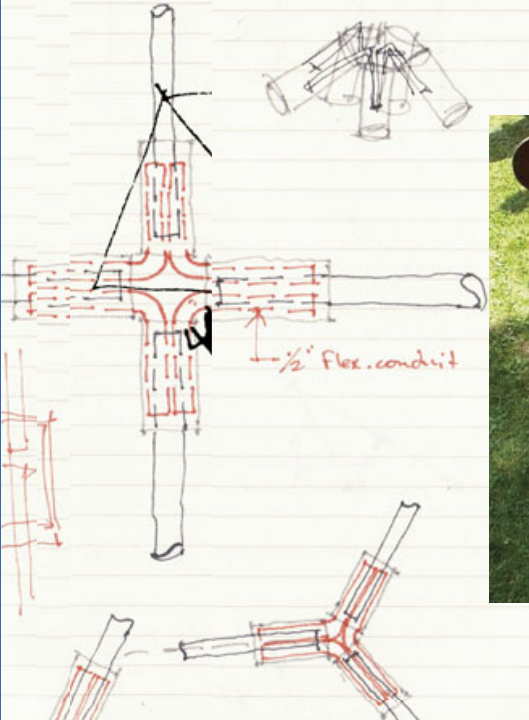
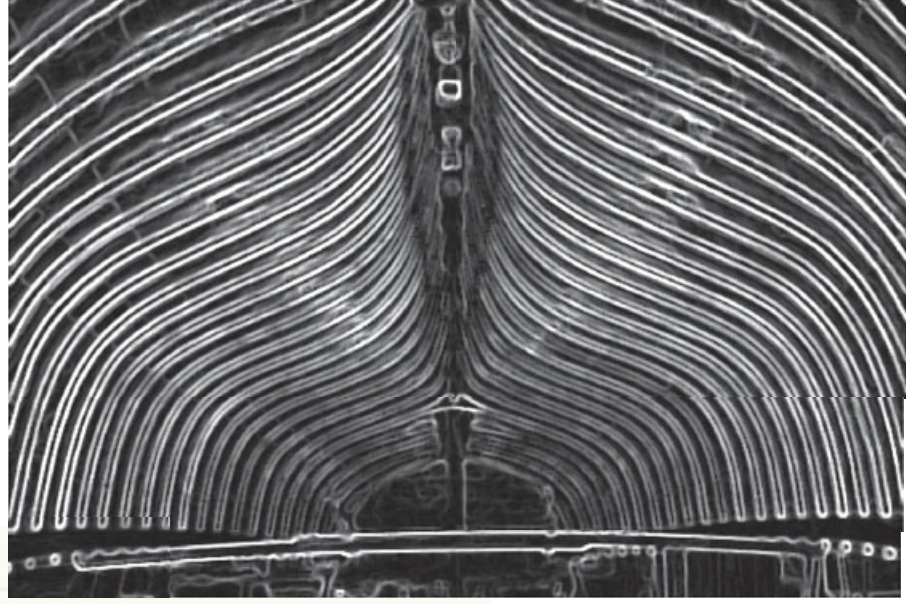
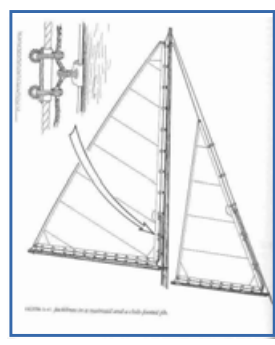
I CAME IN FROM THE WILDERNESS A CREATURE VOID OF FORM...

SITE: IMPERIAL BEACH
CHARACTERIZED BY A SUB-TROPICAL CLIMATE WITH VERY DRY SUMMERS AND RAIN OCCURRING DURING THE WINTER SEASON. THE MOST SIGNIFICANT PRECIPITATION AMOUNTS OCCUR IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY AND MARCH. THE DRY SEASON EXTENDS FROM MAY THROUGH OCTOBER. ON RARE OCCASIONS AN EXTRA-TROPICAL STORM MAY MOVE INTO THIS AREA IN LATE AUGUST OR SEPTEMBER FROM THE SOUTH, BRINGING MODERATE EAST TO SOUTHEAST WINDS AND HEAVY RAINFALL.
THE STATION IS SUBJECT TO DAILY LAND AND SEA BREEZES. THE SEA BREEZE COMMENCES 2 TO 4 HOURS AFTER SUNRISE AND IS EXPERIENCED AS A WESTERLY WIND WITH AN AVERAGE SPEED FOR 10 KNOTS. THE APPROACH OF A COLD FRONT MAY INCREASE THE LOCAL WINDS FROM SOUTH OR SOUTHWEST AND THEY MAY REACH SPEEDS OF 15 TO 30 KNOTS.
AVERAGE DAILY TEMPERATURE:

Cumulative Percent Frequency Daily MINIMUM TEMPERATURES												Cumulative Percent Frequency Daily MAXIMUM TEMPERATURES															
Temp (F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	Temp (F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
>=75	0	0	0	0	0	0	0	0	0	0	0	0	0	>=100	0	0	0	0	0	0	0	0	0	0	0	0	0
>=70	0	0	0	0	0	0	0	0	0	0	0	0	0	>=95	0	0	0	0	0	0	0	0	0	0	0	0	0
>=65	0	0	0	0	0	0	0	0	0	0	0	0	0	>=90	0	0	0	0	0	0	0	0	0	0	0	0	0
>=60	0	0	0	0	0	0	0	0	0	0	0	0	0	>=85	0	0	0	0	0	0	0	0	0	0	0	0	0
>=55	7.1	19.1	31.8	44.3	52.5	57.7	61.1	63.0	63.9	64.0	63.9	63.0	61.0	>=80	0	0	0	0	0	0	0	0	0	0	0	0	0
>=50	27.0	39.1	51.0	58.5	62.9	66.6	68.9	69.9	70.0	69.9	69.0	67.0	64.0	>=75	0.1	0.2	0.4	0.6	0.8	1.1	1.2	1.4	1.6	1.7	1.8	1.9	2.0
>=45	37.3	47.6	55.5	60.2	63.7	65.9	67.0	67.1	67.0	66.8	65.7	63.7	60.0	>=70	0.3	0.5	0.8	1.1	1.3	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
>=40	46.8	54.8	59.3	62.0	63.7	64.5	64.5	64.2	63.7	62.9	61.7	60.0	56.0	>=65	0.9	1.3	1.8	2.3	2.7	3.0	3.2	3.4	3.5	3.6	3.7	3.8	3.9
>=35	54.4	59.8	62.0	63.0	63.7	63.7	63.0	62.0	60.9	59.0	57.0	55.0	51.0	>=60	1.3	1.9	2.4	2.9	3.2	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1
>=30	59.3	62.0	63.0	63.0	63.0	62.0	60.9	59.0	57.0	55.0	53.0	51.0	47.0	>=55	1.7	2.3	2.8	3.2	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2
>=25	100	100	100	100	100	100	100	100	100	100	100	100	100	>=50	2.0	2.6	3.0	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2
MEAN	45.9	47.8	49.4	50.3	50.4	50.3	49.4	47.5	45.7	43.3	40.3	36.3	31.6	>=45	2.3	2.8	3.1	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2
STDEV	5.7	5.1	4.5	4.4	4.4	4.2	3.9	3.6	3.4	3.1	2.7	2.1	1.7	>=40	2.5	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1
WOB	1030	920	1049	1099	1071	1000	1038	992	999	1035	978	1049	1049	>=35	2.7	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1



RESEARCH: WOODEN BOAT STRUCTURES, SAILS, MARTIN PURYEAR, CANOES.



THANK YOU
Carnegie

AND ALL OUR UNSUNG DONORS AND BENEFACTORS