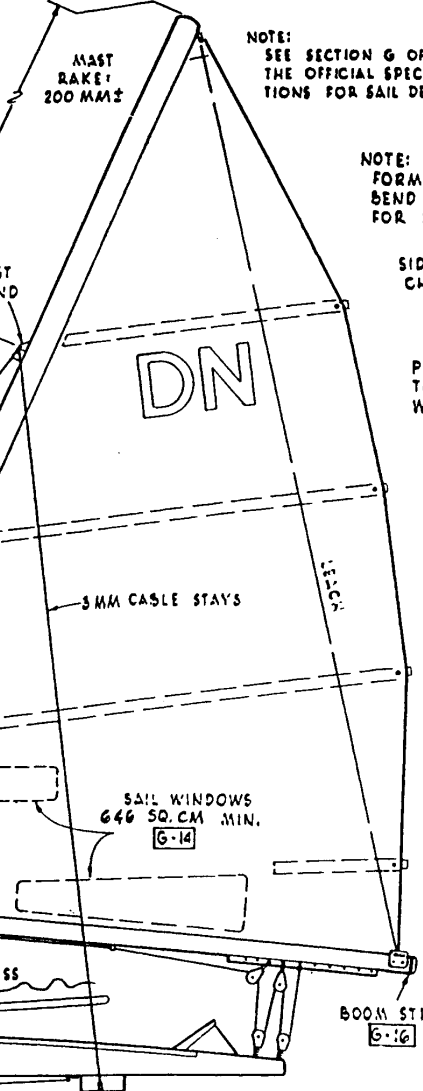
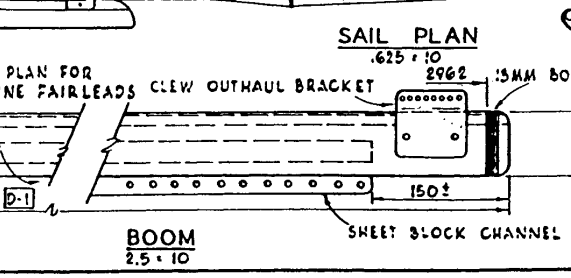
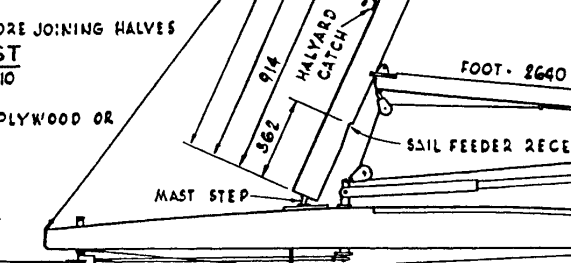
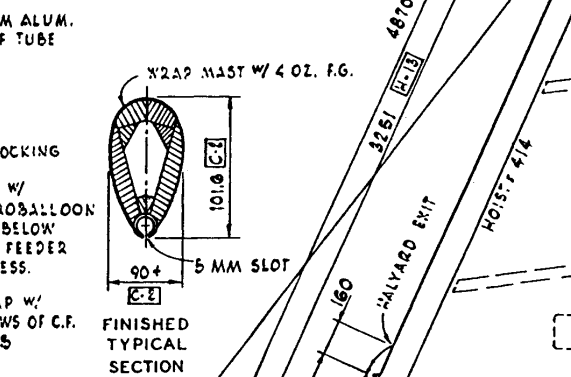
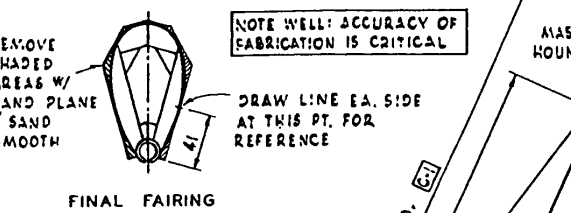
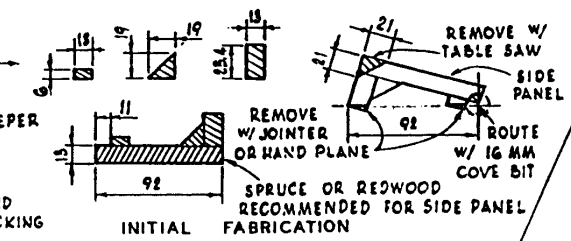
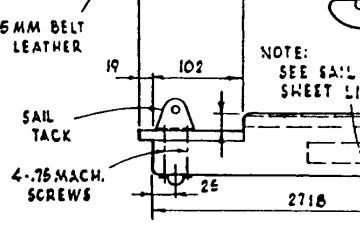
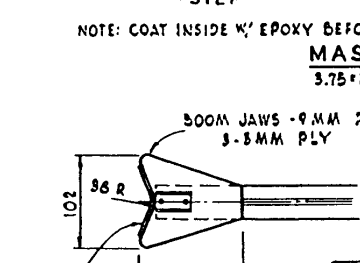
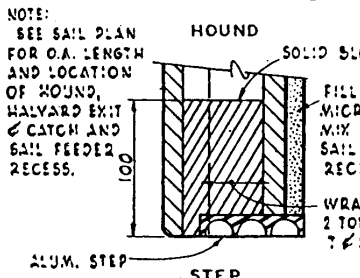
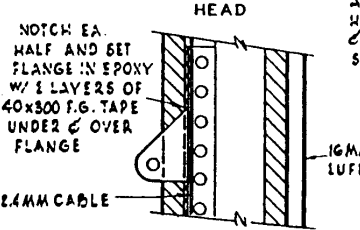
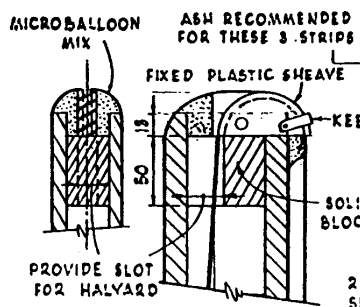


DN ICE YACHT		
INTERNATIONAL DN ICE YACHT RACING ASSOCIATION		
SAIL PLAN, MAST, BOOM & PLANK		
SCALE: AS SHOWN	APPROVED BY:	SHEET
DRAWN BY: WIC		1
DATE: OCT. 15, 1991		OF 4

METRIC

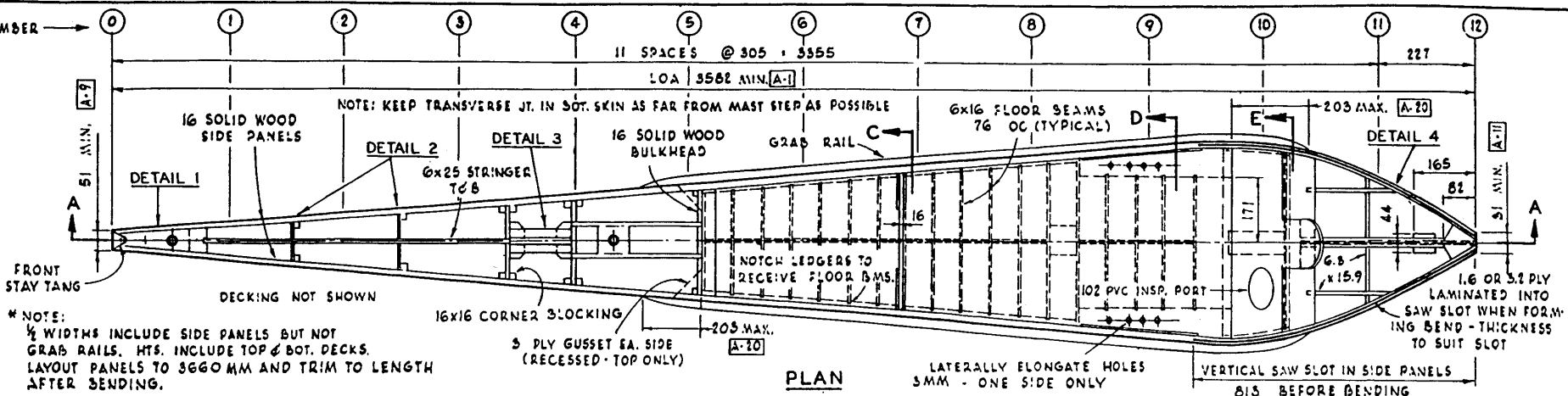
STATION NUMBER →

STATION NUMBER	1/2 WIDTH TO C
0	25
1	51
2	76
3	102
4	127
5	152
6	176
7	203
8	229
9	254
10	257
11	165
12	22

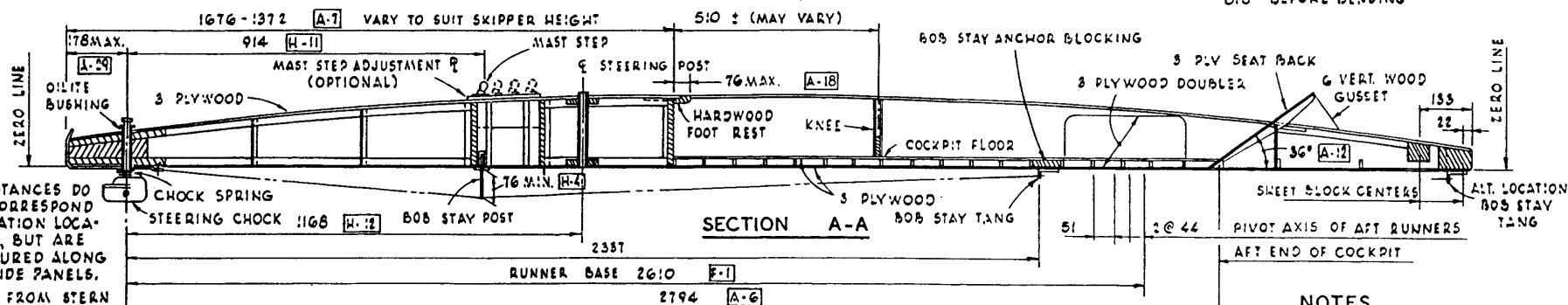
DISTANCE FROM BOW	# TOP ABOVE ZERO LINE
51	68
908	105
910	138
914	156
1220	164
1524	168
1829	168
2134	165
2438	157
2745	141
3046	117
3553	86
KKK	51

* NOTE:
1/2 WIDTHS INCLUDE SIDE PANELS BUT NOT GRAB RAILS. HTS. INCLUDE TOP & BOT. DECKS. LAYOUT PANELS TO 3660 MM AND TRIM TO LENGTH AFTER SENDING.

** DISTANCES DO NOT CORRESPOND TO STATION LOCATIONS, BUT ARE MEASURED ALONG THE SIDE PANELS.
*** 51 FROM STERN



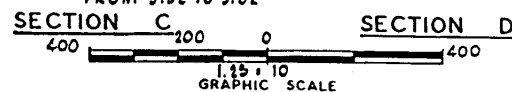
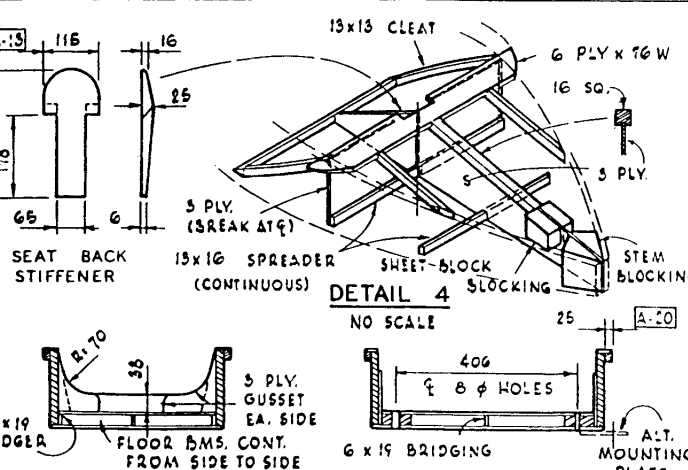
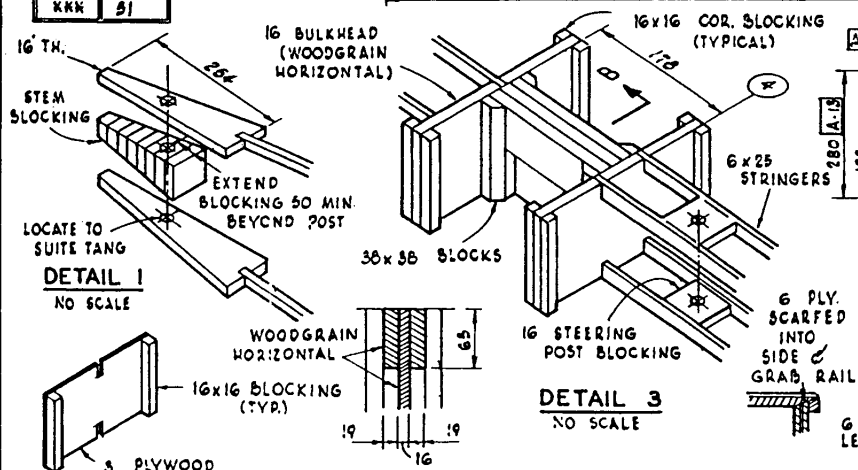
PLAN



SECTION A-A

NOTES

1. SITKA SPRUCE IS RECOMMENDED FOR ALL WOOD EXCEPT PLYWOOD. PLYWOOD SHOULD BE AIRCRAFT OR MARINE GRADE.
2. JOINTS ARE GLUED AND STAPLED OR NAILED.
3. THE MIN. FINISHED FUSELAGE WT., INCLUDING ALL HARDWARE, BLOCKS AND TILLER, SHALL BE 21 KG.
4. ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT AS NOTED.
5. VERIFY ALL DIMENSIONS WITH CURRENT SPECIFICATIONS. [X-1] INDICATES SPEC. REFERENCE.
6. IN ALL CASES WHERE THERE IS A CONFLICT BETWEEN THE OFFICIAL SPECIFICATIONS AND THE OFFICIAL PLANS, THE OFFICIAL SPECIFICATIONS WILL GOVERN.
7. THE INTERNAL FUSELAGE FRAMING IS OPTIONAL.
8. THESE DRAWINGS SHOW ONE WAY A DN CAN BE BUILT. THEIR PURPOSE IS TO GIVE PERSPECTIVE TO THE OFFICIAL SPECIFICATIONS.



DN ICE YACHT

INTERNATIONAL DN ICE YACHT RACING ASSOCIATION

FUSELAGE

SCALE: 1:25 = 10
EXCEPT AS NOTED
DRAWN BY: WIC
DATE: OCT. '95, '99!

APPROVED BY:

SHEET

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OF 4

METRIC

DIMENSIONAL TOLERANCES

SPEC. REF.	ITEM	MAX.	MIN.
FUSELAGE			
A-1	LENGTH OVERALL	3735	3582
A-2	BEAM	540	448
A-3	DECK & FLOOR TH.	6.5	3.0
A-4	BOTTOM TH.	6.5	3.0
A-5	SIDES & BULKHEADS	254	15.9
A-6	RE: SH. 2 OF 4	2800	2496
A-7	RE: SH. 2 OF 4	1676	1372
A-9	STEM WIDTH (BOW)	95	51
A-11	STEM WIDTH (STERN)	101	51
A-12	SEAT BACK ANGLE	55°	55°
A-15	SEAT BACK LENGTH	#	280
	SEAT BACK WIDTH	#	101.6
	SEAT BACK RAD. (TOP)	#	50.8
A-18	DECK PROTRUSION	76	0
A-20	GRAB RAIL LIMITS	203	#
A-22	TILLER WIDTH	203	#
A-29	RE: SH. 2 OF 4	178	76

NO RESTRICTION

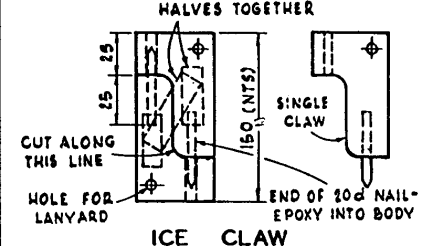
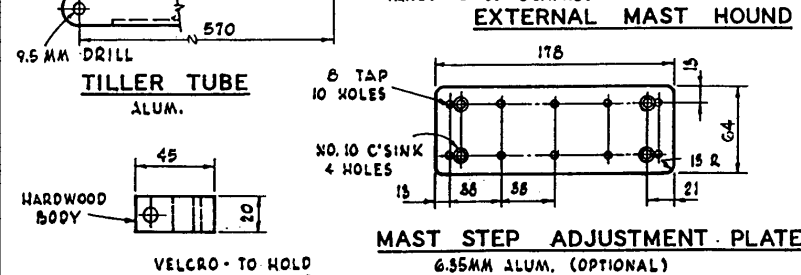
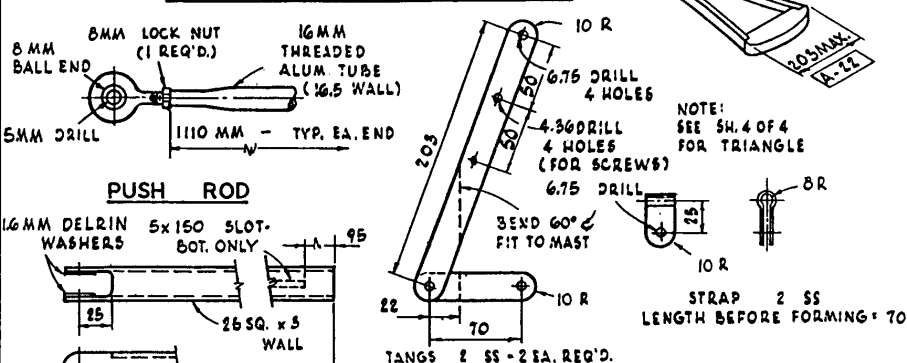
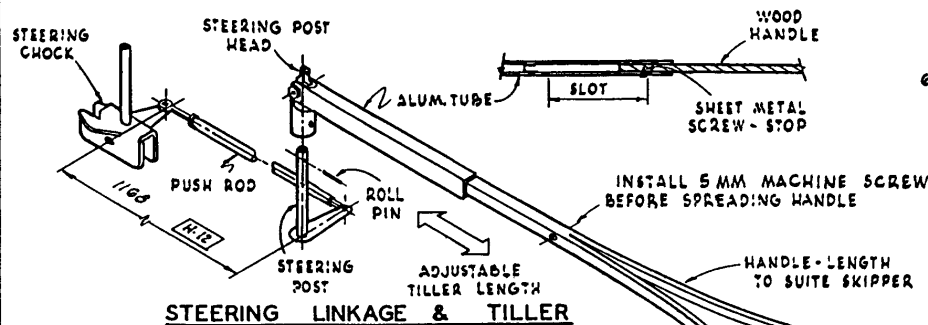
RUNNER PLANK			
B-1	LENGTH OVERALL	2435	2385
B-2	WIDTH AT ♀	190.6	165.2
B-3	THICKNESS AT ♀	41.2	28.6
B-4	WIDTH AT ENDS	190.5	139.6
B-5	THICKNESS AT ENDS	41.2	25.5

MAST			
C-1	LENGTH OVERALL	4876	4725
C-2	WOOD CONSTRUCTION:		
a	FORE & AFT WIDTH	101.6	-
b	BOOM TO HOUND	-	88.9
c	ABOVE THE HOUND	-	50.9
d	THICKNESS	63.5	-
e	STEP TO HOUND	-	50.9
f	ABOVE THE HOUND	-	28.6
g	TH. OF OUTSIDE WALL	6.5	6.5

BOOM			
D-1	LENGTH FROM MAST	274.3	-
D-2	DEPTH	76.2	63.6
D-3	THICKNESS	45.25	31.8

RUNNER BASE & CUT			
F-1	RUNNER BASE	2616	2464
F-2	RUNNER CUT	2413	-

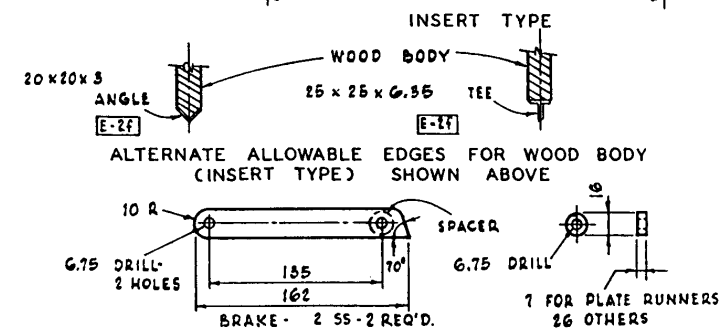
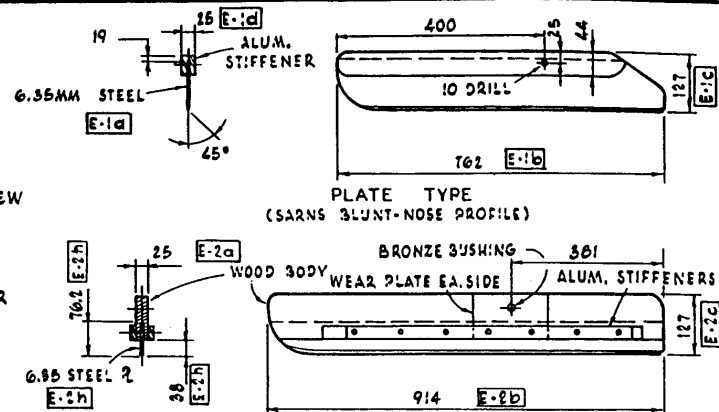
NOTES
 1. ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT AS NOTED.
 2. REFER TO CURRENT SPECS. FOR ADDITIONAL REQUIREMENTS, ITEMS NOT LISTED AND METHODS OF MEASUREMENT.



THIS ITEM IS NOT PART OF THE DN ICE YACHT, BUT IS INCLUDED HERE AS AN ITEM OF PERSONAL EQUIPMENT TO BE CARRIED ON THE ICE AT ALL TIMES.

BILL OF MATERIALS*			
NO. PCS.	SIZE	MATERIAL	FOR
2	12.7x92x4876	SPRUCE/REDWOOD	MAST
1	25.4x152.4x4876	ASH/BIRCH	MAST
2	12.7x203.2x2435	ASH	PLANK
1	7.9x203.2x2435	SPRUCE/REDWOOD	PLANK
2	15.9x203.2x3656	SPRUCE	FUSELAGE SIDES
1	15.9x203.2x2435	SPRUCE	BULKHEADS, ETC.
1	8x1219x2435	MARINE PLY.	DECKS, SKIN, SOLE
2	19x76.2x2435	SPRUCE	BOOM
1	25.4x127x2143	HARDWOOD PLY.	RUNNERS

* WOOD ONLY



NOTE: ALL STEERING RUNNERS MUST BE EQUIPPED W/ A BRAKE. PARKING BRAKE

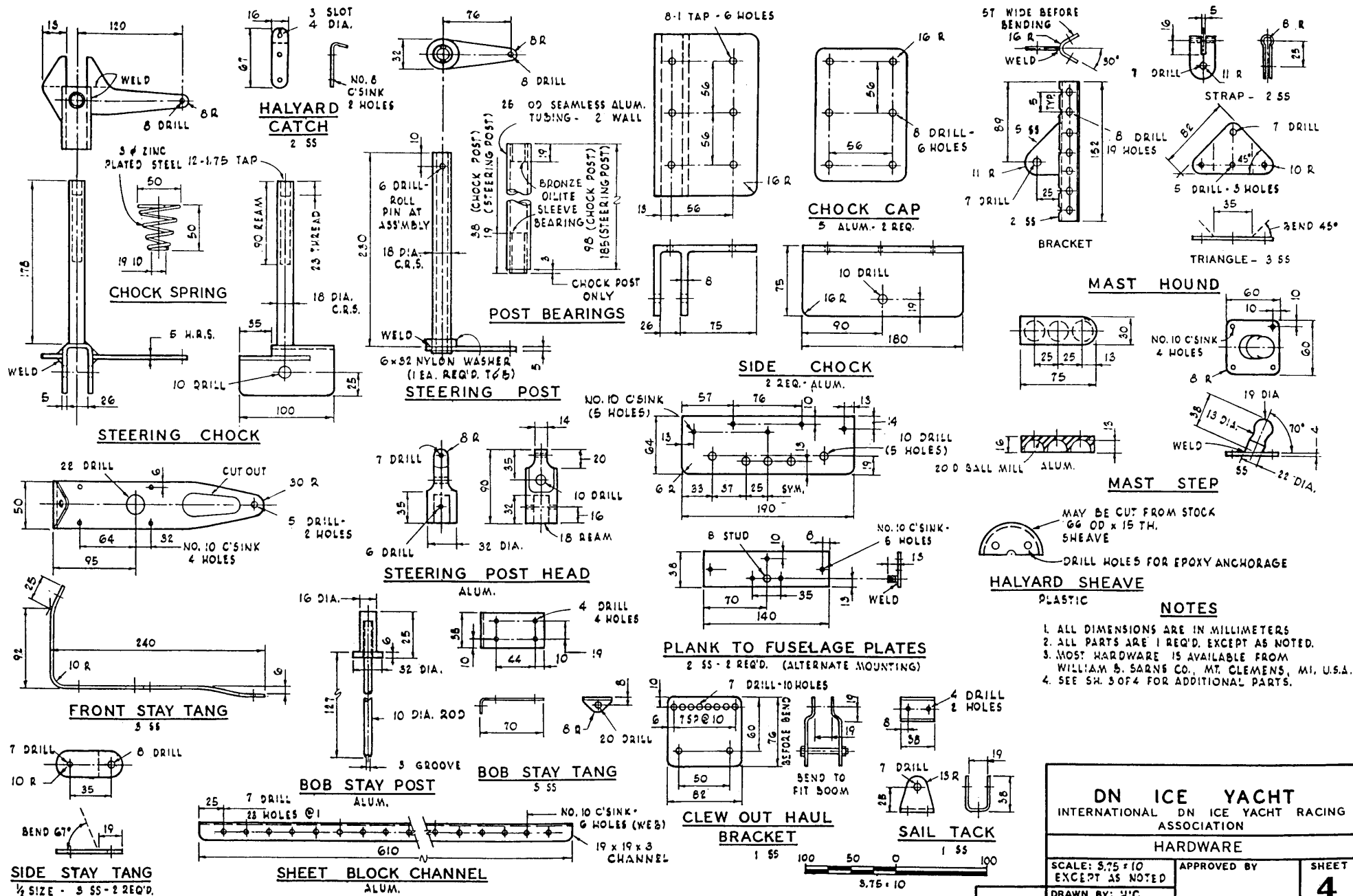
RUNNER DETAILS

DN ICE YACHT
 INTERNATIONAL DN ICE YACHT RACING ASSOCIATION

MISCELLANEOUS DETAILS

SCALE: NONE	APPROVED BY	SHEET
DRAWN BY: HIC		3
DATE: OCT. 15, 1991		OF 4

METRIC



NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS
2. ALL PARTS ARE 1 REQ'D. EXCEPT AS NOTED.
3. MOST HARDWARE IS AVAILABLE FROM WILLIAM B. SARGIS CO., MT. CLEMENS, MI, U.S.A.
4. SEE SH. 30F4 FOR ADDITIONAL PARTS.

DN ICE YACHT
INTERNATIONAL DN ICE YACHT RACING
ASSOCIATION

HARDWARE

SCALE: 3.75 x 10
EXCEPT AS NOTED

DRAWN BY: HIC
DATE: OCT. 15, 1991

APPROVED BY

SHEET

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