MAST and RIGGING SPECIFICATIONS

MOMENTS OF INERTIA FOR GUIDANCE IN SELECTION OF A SUITABLE MAST SECTION

MAST PANEL	Itt		Ill	
LOWER PANEL	13.3	IN^4	47.9	IN^4
SECOND PANEL	12.1	IN^4	40.1	IN^4
THIRD PANEL	11.9	IN^4	34.9	IN^4
UPPER PANEL	11.0	IN^4 (MID PANEL)	31.3	IN^4 (MID PANEL)

MAST STIFFENING AND TAPER DETAILS TO BE CONFIRMED WITH DESIGNER PRIOR TO COMENCEMENT OF WORK

STANDING RIGGING

ITEM	REQUIRED MINIMUM BREAKING STRENGTH (Nitronic 50)
FORESTAY	20430 lbs
TOPMAST BACKSTAY	2150 lbs
RUNNING BACKSTAY	10750 lbs
CHECKSTAY	2700 lbs
RUNNER STROP (1X19 DYFORM)	13980 lbs
D1	21775 lbs
V1	28065 lbs
D2	11130 lbs
V2	19840 lbs
D3	6290 lbs
V3/D4	16450 lbs
JUMPER STAYS	7100 lbs

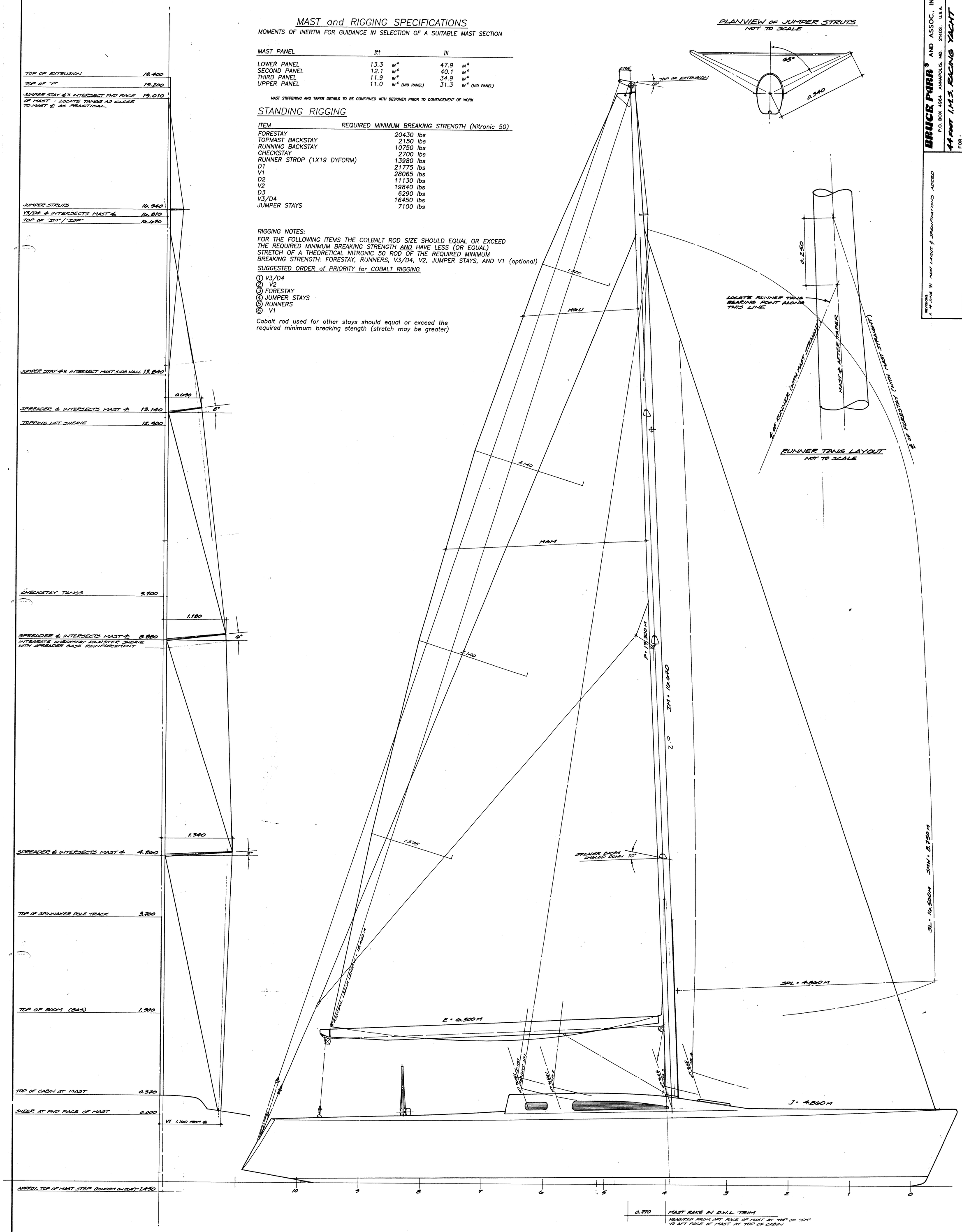
RIGGING NOTES:

FOR THE FOLLOWING ITEMS THE COLBALT ROD SIZE SHOULD EQUAL OR EXCEED THE REQUIRED MINIMUM BREAKING STRENGTH AND HAVE LESS (OR EQUAL) STRETCH OF A THEORETICAL NITRONIC 50 ROD OF THE REQUIRED MINIMUM BREAKING STRENGTH: FORESTAY, RUNNERS, V3/D4, V2, JUMPER STAYS, AND V1 (optional)

SUGGESTED ORDER of PRIORITY for COBALT RIGGING

1. V3/D4
2. V2
3. FORESTAY
4. JUMPER STAYS
5. RUNNERS
6. V1

Cobalt rod used for other stays should equal or exceed the required minimum breaking stength (stretch may be greater)



0.710 MAST RAKE IN D.W.L. TRIM

MEASURED FROM AFT FACE OF MAST AT TOP OF "IM" TO AFT FACE OF MAST AT TOP OF CABIN

PLANVIEW OF JUMPER STRUTS
NOT TO SCALE

RUNNER TANG LAYOUT
NOT TO SCALE

BRUCE FARR® AND ASSOC., INC.
P.O. BOX 4984 ANNAPOLIS, MD. 21403, U.S.A.

44 FOOT I.M.S. RACING YACHT

FOR -

REVISIONS
A 14 JUNE '91 MAST LAYOUT & SPECIFICATIONS ADDED

SCALE 1:25	DESIGN NO. 206
TITLE SAILPLAN	COPYRIGHT 3 MAY '91 © BRUCE FARR & ASSOC., INC.
CHECKED	DRAWN PHG JPD	DRAWING NO. 8

THE BUILDER MUST CHECK DIMENSIONS AND CONTENT GIVEN ON THE DRAWING AND ADVISE THE DESIGNER OF ANY DISCREPANCIES BEFORE COMMENCING CONSTRUCTION.
THE DRAWING MUST NOT BE REPRODUCED OR USED FOR ANY PURPOSE OTHER THAN IN CONJUNCTION WITH THE BOAT OR DESIGN FOR WHICH IT WAS DRAWN WITHOUT THE PRIOR WRITTEN CONSENT OF BRUCE FARR & ASSOC., INC.
THE COST OF THESE PLANS INCLUDES FEES FOR ONE BOAT ONLY FOR PLANS WITHOUT THE DESIGNER'S WRITTEN CONSENT AND A LIMIT OF FIVE. THESE AND ADDITIONAL COPIES MUST BE PAID FOR.