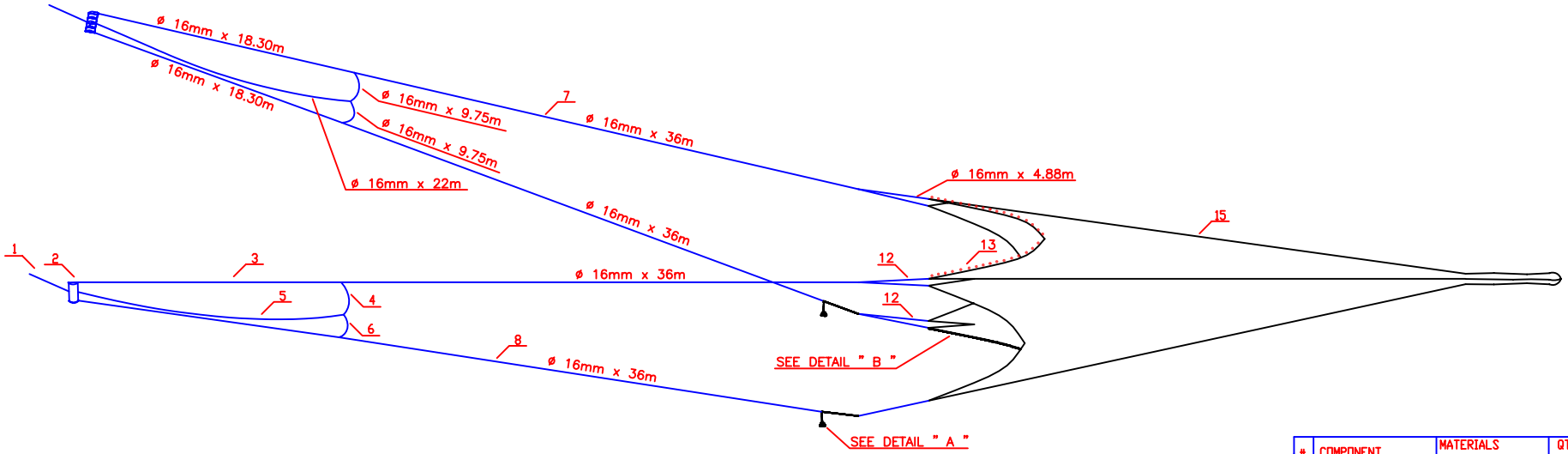
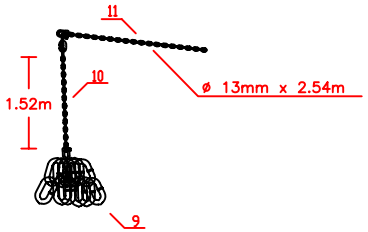
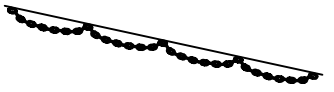




DETAIL " A "



DETAIL " B "

#	COMPONENT	MATERIALS	QTY	PAGE NO.	PART NO.
1	Warp	Wire 6 x 19	2	1	IY01
2	4.0 sqm Trawl Doors	31 Kg Suberkrub	2	1	IY02
3	Door Legs	Wire 6 x 19	4	1	IY03
4	Upper Pennant	Wire 6 x 19	2	1	IY04
5	Middle Pennant	Wire 6 x 19	2	1	IY05
6	Lower Pennant	Wire 6 x 19	2	1	IY06
7	Upper Bridle	Wire 6 x 19	2	1	IY07
8	Lower Bridle	Wire 6 x 19	2	1	IY08
9	Wingend Weight	Chain 60 KG	2	1	IY09
10	Weight Dropchain	Chain 13mm ø	2	1	IY10
11	Setback	Chain 13mm ø	2	1	IY11
12	Wing Bridles	Wire 6 x 19	8	1	IY12
13	Floats (203mm) Pl.	(2x20) + 10	50	1	IY13
14	Footrope Chain	Chain 13mm ø	23.20m	1&7	IY14
15	Trawl Body	PA Netting		1	

FISHERIES and OCEANS — PECHES et OCEANS

IYGPT SURVEY TRAWL

RIGGING PROFILE

DATE DRAWN:	DWG NO.:		REV.	SCALE:
24/03/95	IYG*1.0	PG 1 OF 7 PG		NTS

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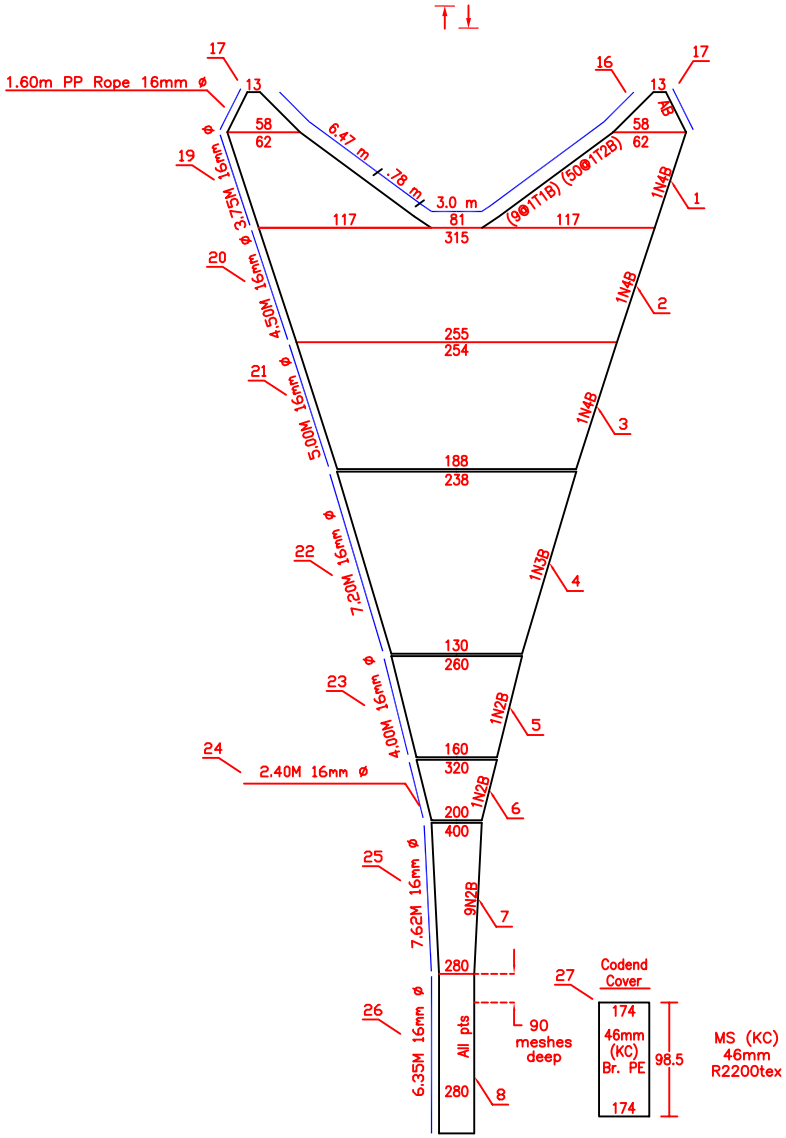
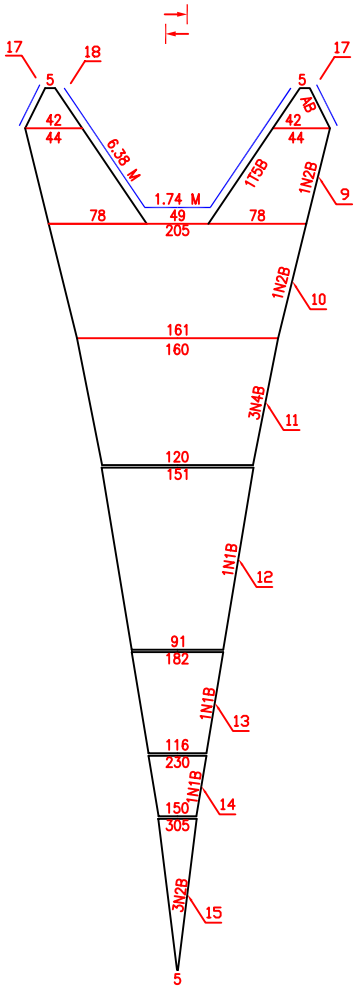
Headline: Combination Rope 16 mm ø 17.5 M

Fishingline: Combination Rope 16 mm ø 17.5 M

Breastline: Combination Rope 16 mm ø 14.5 M



RTEX	Mesh Size (MM)	Meshes Deep (mm)
3000		16
3000		37.5
3000	100	45
3000		50
2750	80	90
1000	40	100
	20	120
	13	600
	13	500



#	COMPONENT	MATERIALS	QTY	PAGE NO.	PART NO.
1	Upper & Lower Wings	PA Netting	4	2,3	IY15
2	1st Upper & Lower Belly	PA Netting	2	2	IY16
3	2nd Upper & Lower Belly	PA Netting	2	2	IY17
4	3rd Upper & Lower Belly	PA Netting	2	2	IY18
5	4th Upper & Lower Belly	PA Netting	2	2	IY19
6	5th Upper & Lower Belly	PA Netting	2	2	IY20
7	Upper & Lower Extension	PA Netting	2	2	IY21
8	Cod End	PA Netting	2	2	IY22
9	Side Wings	PA Netting	4	2,4	IY23
10	1st Side Belly	PA Netting	2	2	IY24
11	2nd Side Belly	PA Netting	2	2	IY25
12	3rd Side Belly	PA Netting	2	2	IY26
13	4th Side Belly	PA Netting	2	2	IY27
14	5th Side Belly	PA Netting	2	2	IY28
15	Side Extension	PA Netting	2	2	IY29
16	Headline and Fishingline	Comb. Rope	2	2,5,7	IY30
17	Wingline	TW. P.P. Rope	8	2	IY31
18	Breastline	Comb. Rope	2	2,6	IY32
19	Wing Ribline	P.P. Rope	4	2	IY33
20	1st Belly Ribline	P.P. Rope	4	2	IY34
21	2nd Belly Ribline	P.P. Rope	4	2	IY35
22	3rd Belly Ribline	P.P. Rope	4	2	IY36
23	4th Belly Ribline	P.P. Rope	4	2	IY37
24	5th Belly Ribline	P.P. Rope	4	2	IY38
25	Extension Ribline	P.P. Rope	4	2	IY39
26	Codend Ribline	P.P. Rope	2	2	IY40
27	Codend Cover	P.E. Netting	1	2	IY41

REMARKS

- PANEL DEPTH DOES NOT INCLUDE JOINING ROUNDS
- PANEL WIDTHS INCLUDE SELVEDGE MESHES
- MESH SIZES ARE KNOT CENTER MEASUREMENTS

DOUBLE NETTING
JOINING ROUND
SINGLE NETTING
FRAMELINE & RIBLINE
UPPER & LOWER PANELS
SIDE PANELS
DOUBLE MESH
DIAMETER
MS MESH SIZE
MD MESHES DEEP
PE POLYETHYLENE
PP POLYPROPYLENE
PA POLYAMIDE (NYLON)

DENIER	RTEX	DIAMETER
210/108	3000	2.80
210/96	2750	2.50
210/36	1000	1.90
	2200	2.00

FISHERIES and OCEANS / PECHES et OCEANS

IYGPT SURVEY TRAWL

NET PLAN

DATE DRAWN:	DWG NO.:		REV.	SCALE:
24/03/95	IYG*2.0	PG 2 OF 7 PG		NTS

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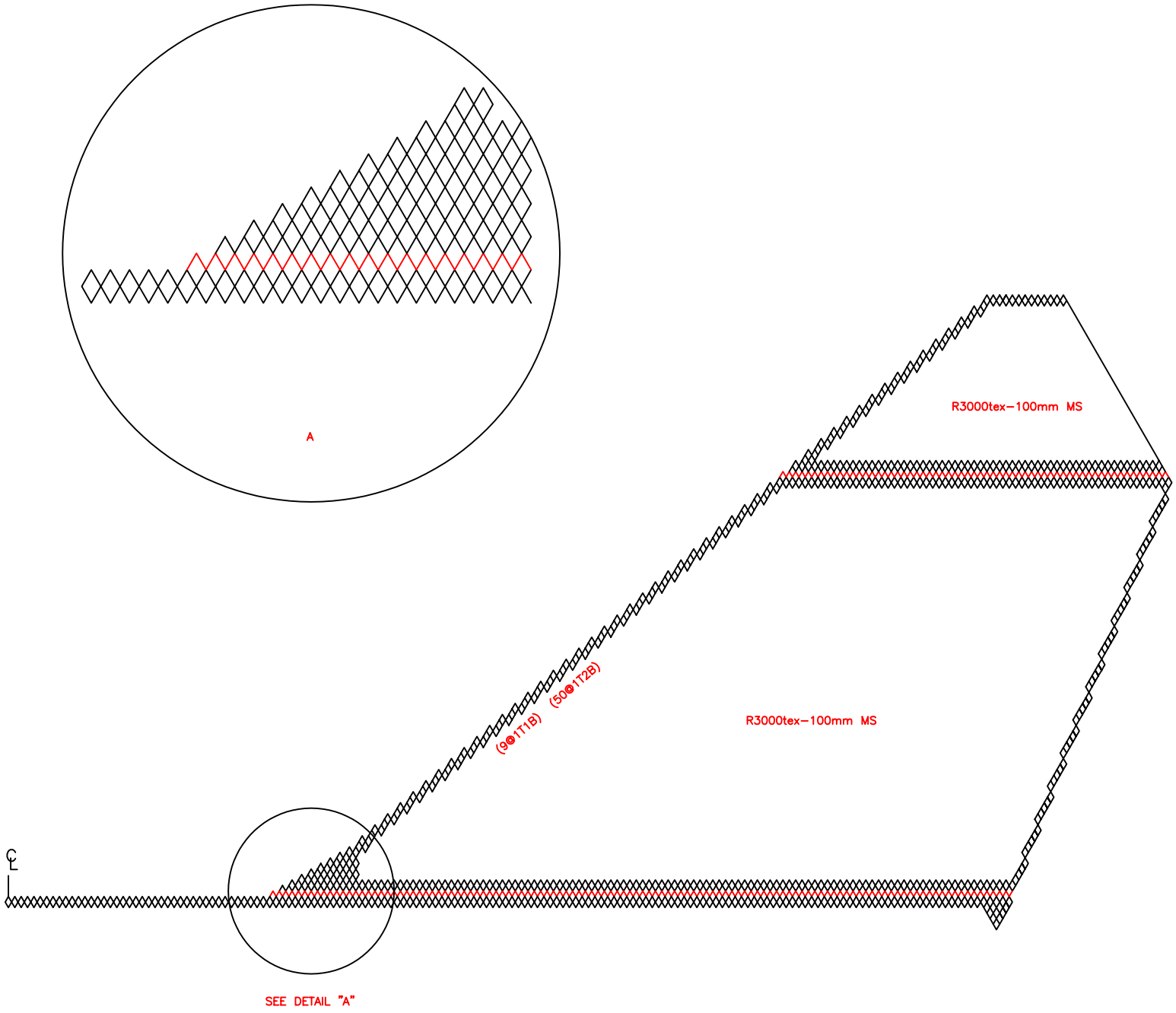
PART NO. IY15



REMARKS

	DOUBLE NETTING
	JOINING ROUND
	SINGLE NETTING
	FRAMELINE & RIBLINE
	UPPER PANEL
	LOWER PANEL
	DOUBLE MESH
ϕ	DIAMETER
MS	MESH SIZE
MD	MESHES DEEP
PE	POLYETHYLENE
PP	POLYPROPYLENE
PA	POLYAMIDE (NYLON)

FISHERIES and OCEANS PECHES et OCEANS

IYGPT SURVEY TRAWL

UPPER & LOWER WING DETAIL

DATE DRAWN:	DWG NO.:		REV.	SCALE:
24/03/95	IYG*2.1	PG 3 OF 7 PG		NTS

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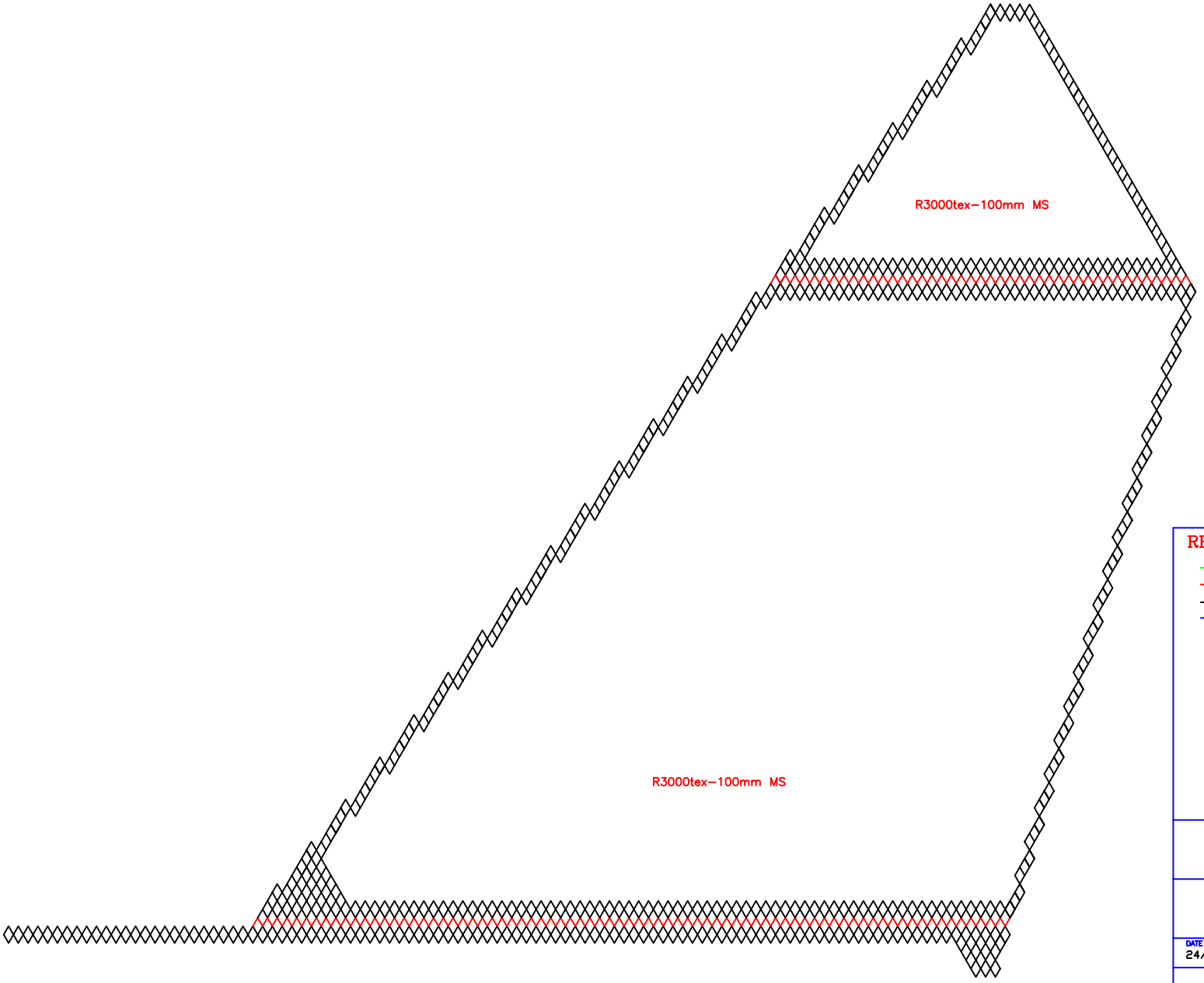
FISHING TECHNOLOGY UNIT
ST.JOHN'S NEWFOUNDLAND

PART NO. IY23



REMARKS

	DOUBLE NETTING
	JOINING ROUND
	SINGLE NETTING
	FRAMELINE & RIBLINE
	UPPER PANEL
	LOWER PANEL
	DOUBLE MESH
ϕ	DIAMETER
MS	MESH SIZE
MD	MESHES DEEP
PE	POLYETHYLENE
PP	POLYPROPYLENE
PA	POLYAMIDE (NYLON)

FISHERIES and OCEANS PECHES et OCEANS

IYGPT SURVEY TRAWL

SIDE WING DETAIL

DATE DRAWN:	DWG NO.:		REV.	SCALE:
24/03/95	IYG*2.2	PG 4 OF 7 PG		NTS

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FISHING TECHNOLOGY UNIT
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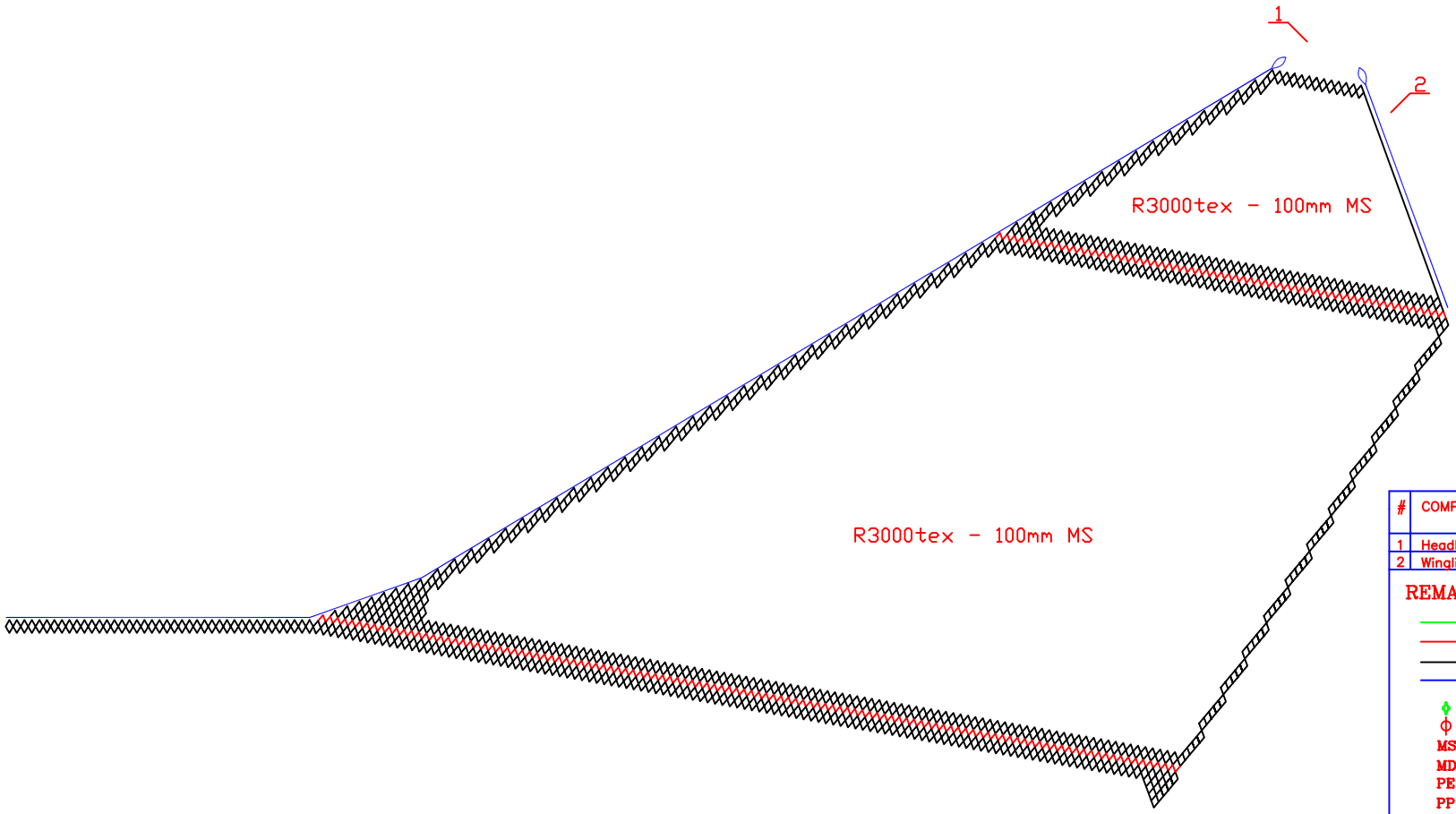

#	COMPONENT	MATERIALS	QTY	PAGE NO.	PART NO.
1	Headline	Comb. Rope	1	2&5	IY30
2	Wingline	P.P. Rope	8	2&5	IY31

REMARKS

DOUBLE NETTING
JOINING ROUND
SINGLE NETTING
FRAMELINE & RIBLINE

DOUBLE MESH
ϕ DIAMETER
MS MESH SIZE
MD MESHES DEEP
PE POLYETHYLENE
PP POLYPROPYLENE
PA POLYAMIDE (NYLON)

FISHERIES and OCEANS PECHES et OCEANS

IYGPT SURVEY TRAWL

UPPER WING HANGING DETAIL

DATE DRAWN:	DWG NO.:		REV.	SCALE:
02/08/93	IYG*2.3	PG 5 OF 7 PG		NTS

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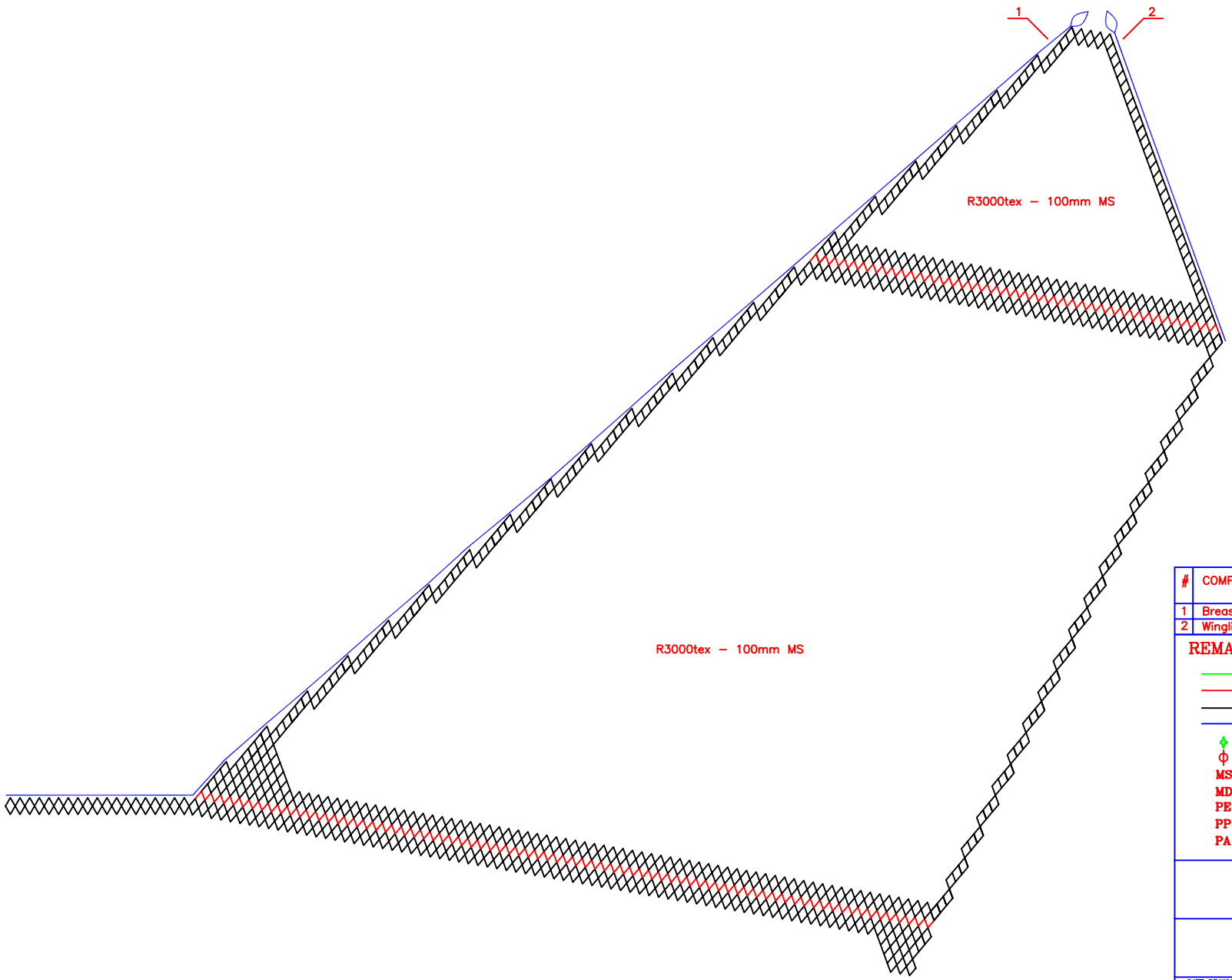

#	COMPONENT	MATERIALS	QTY	PAGE NO.	PART NO.
1	Breastline	Comb. Rope	2	2&6	IY32
2	Wingline	Twisted PP Rope	8	2&6	IY31

REMARKS

DOUBLE NETTING
JOINING ROUND
SINGLE NETTING
FRAMELINE & RIBLINE
DOUBLE MESH
DIAMETER
MS — MESH SIZE
MD — MESHES DEEP
PE — POLYETHYLENE
PP — POLYPROPYLENE
PA — POLYAMIDE (NYLON)

FISHERIES and OCEANS — PECHES et OCEANS

IYGPT SURVEY TRAWL

SIDE WING HANGING DETAIL

DATE DRAWN:	DWG NO.:		REV.	SCALE:
24/03/95	IYG*2.4	PG 6 OF 7 PG		NTS

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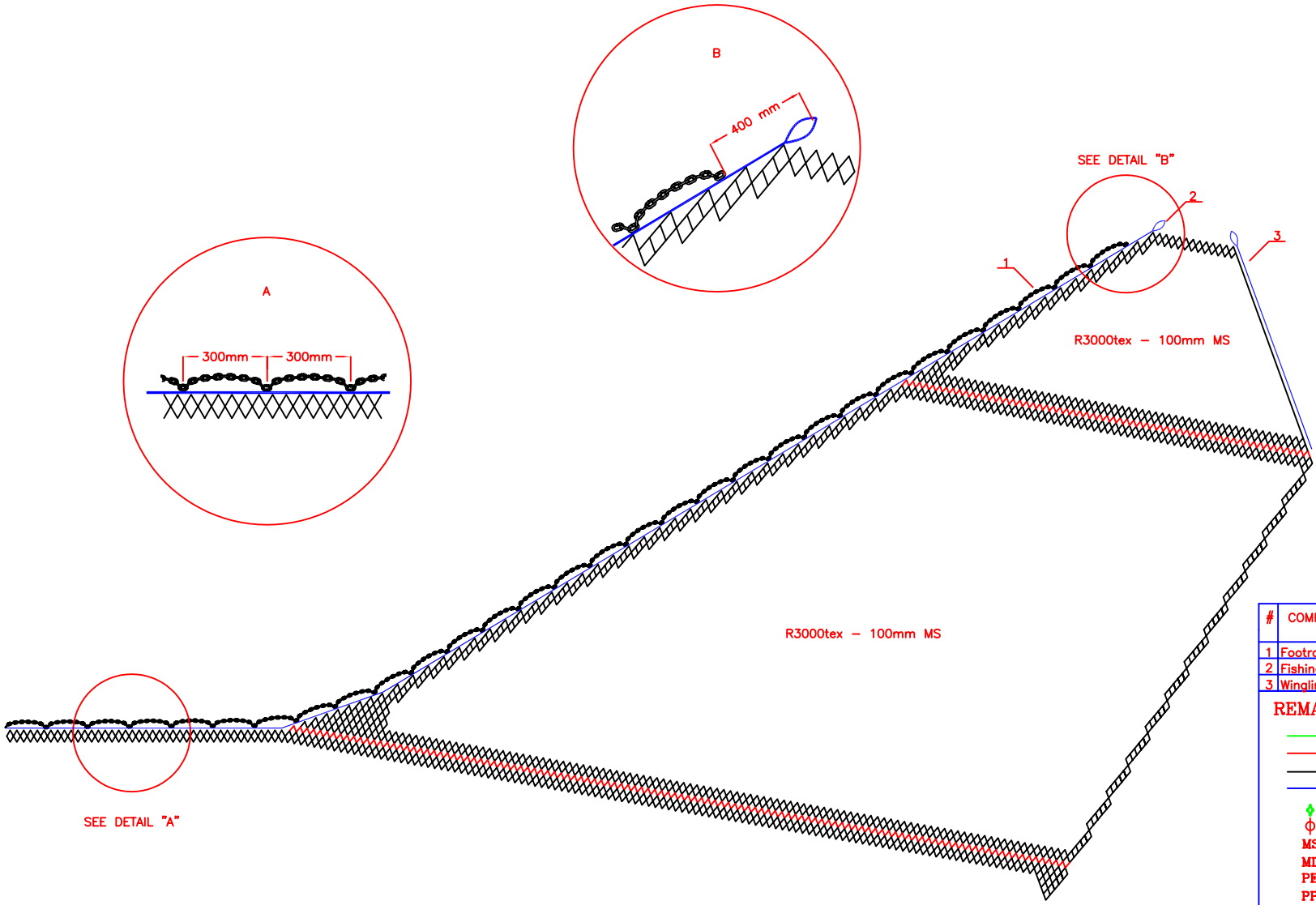
ST.JOHN'S NEWFOUNDLAND



#	COMPONENT	MATERIALS	QTY	PAGE NO.	PART NO.
1	Footrope Chain	Chain (Short Link)	1	2&7	IY14
2	Fishingline	Comb. Rope	1	2&7	IY30
3	Wingline	Twisted PP Rope	8	2&7	IY31

REMARKS

DOUBLE NETTING
JOINING ROUND
SINGLE NETTING
FRAMELINE & RIBLINE
DOUBLE MESH
ϕ DIAMETER
MS MESH SIZE
MD MESHES DEEP
PE POLYETHYLENE
PP POLYPROPYLENE
PA POLYAMIDE (NYLON)

FISHERIES and OCEANS PECHES et OCEANS

IYGPT SURVEY TRAWL

LOWER WING HANGING DETAIL

DATE DRAWN:	DWG NO.:		REV.	SCALE:
24/03/95	IYG*2.5	PG 7 OF 7 PG		NTS

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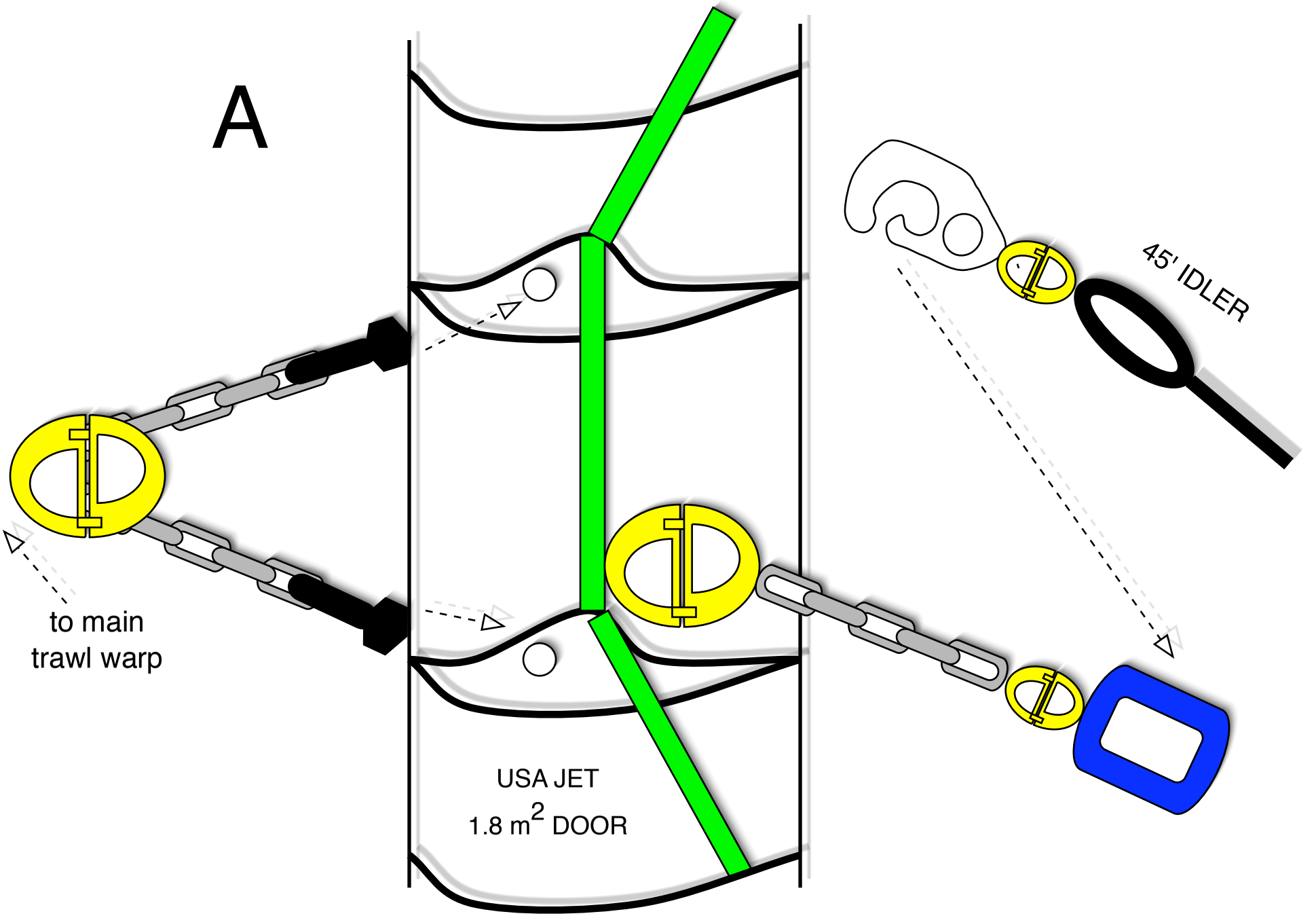
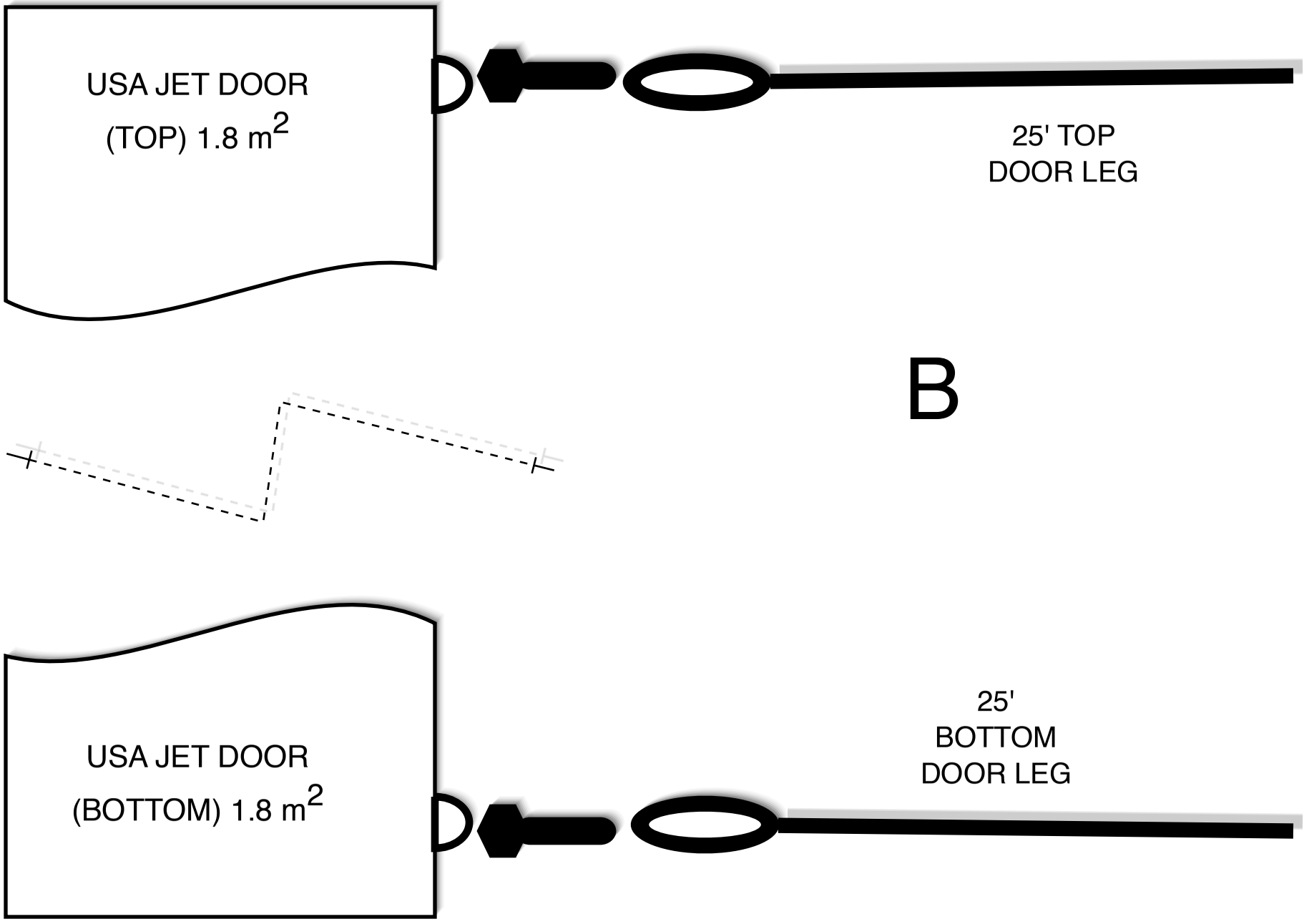
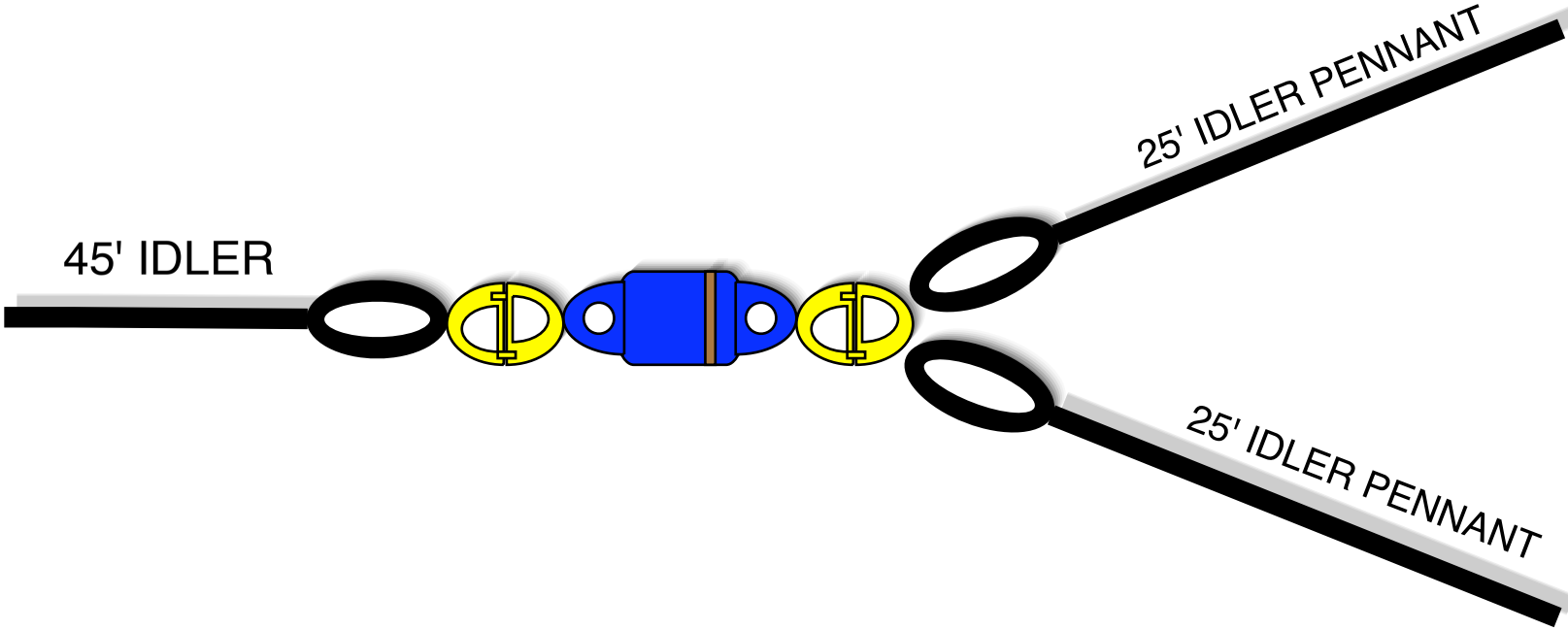
ST.JOHN'S NEWFOUNDLAND

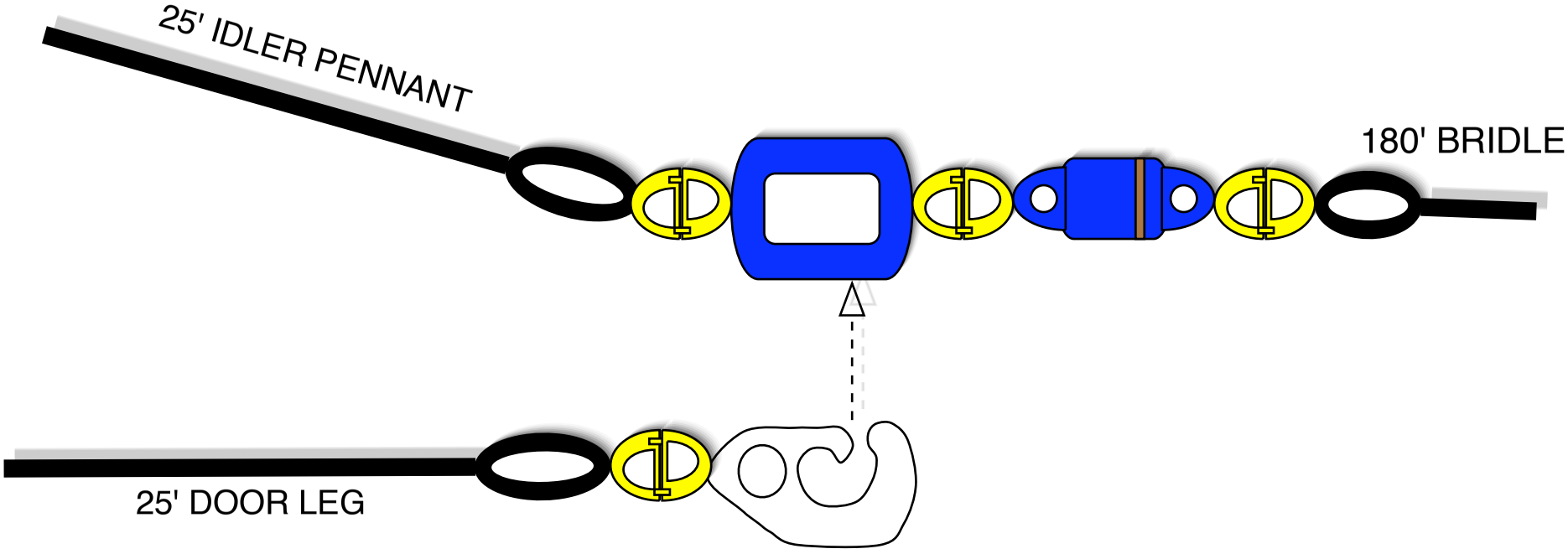

A
45' IDLER
to main
trawl warp
USA JET
1.8 m2 DOOR


USA JET DOOR
(TOP) 1.8 m2
25' TOP
DOOR LEG
B
USA JET DOOR
(BOTTOM) 1.8 m2
25'
BOTTOM
DOOR LEG

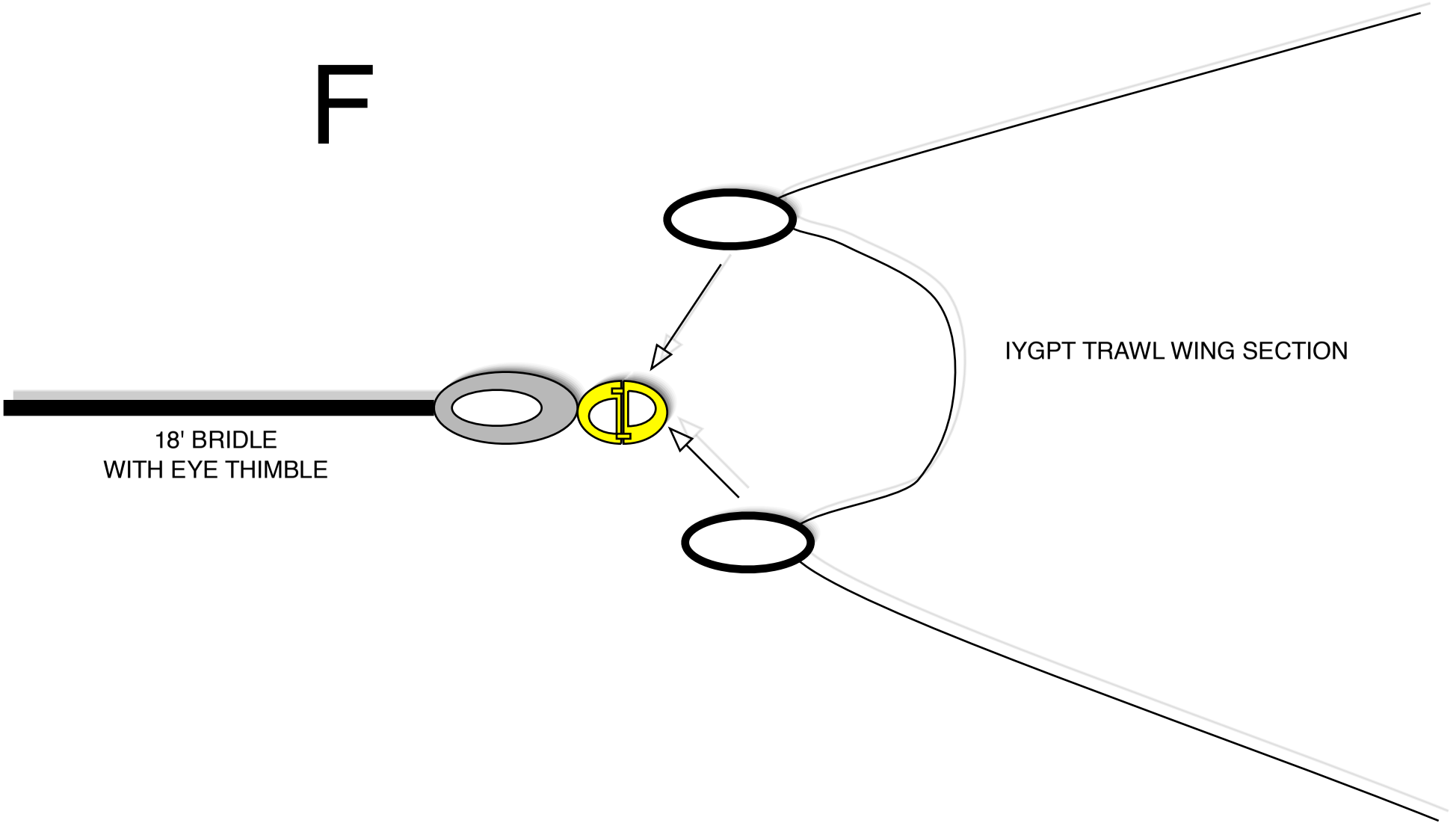
C



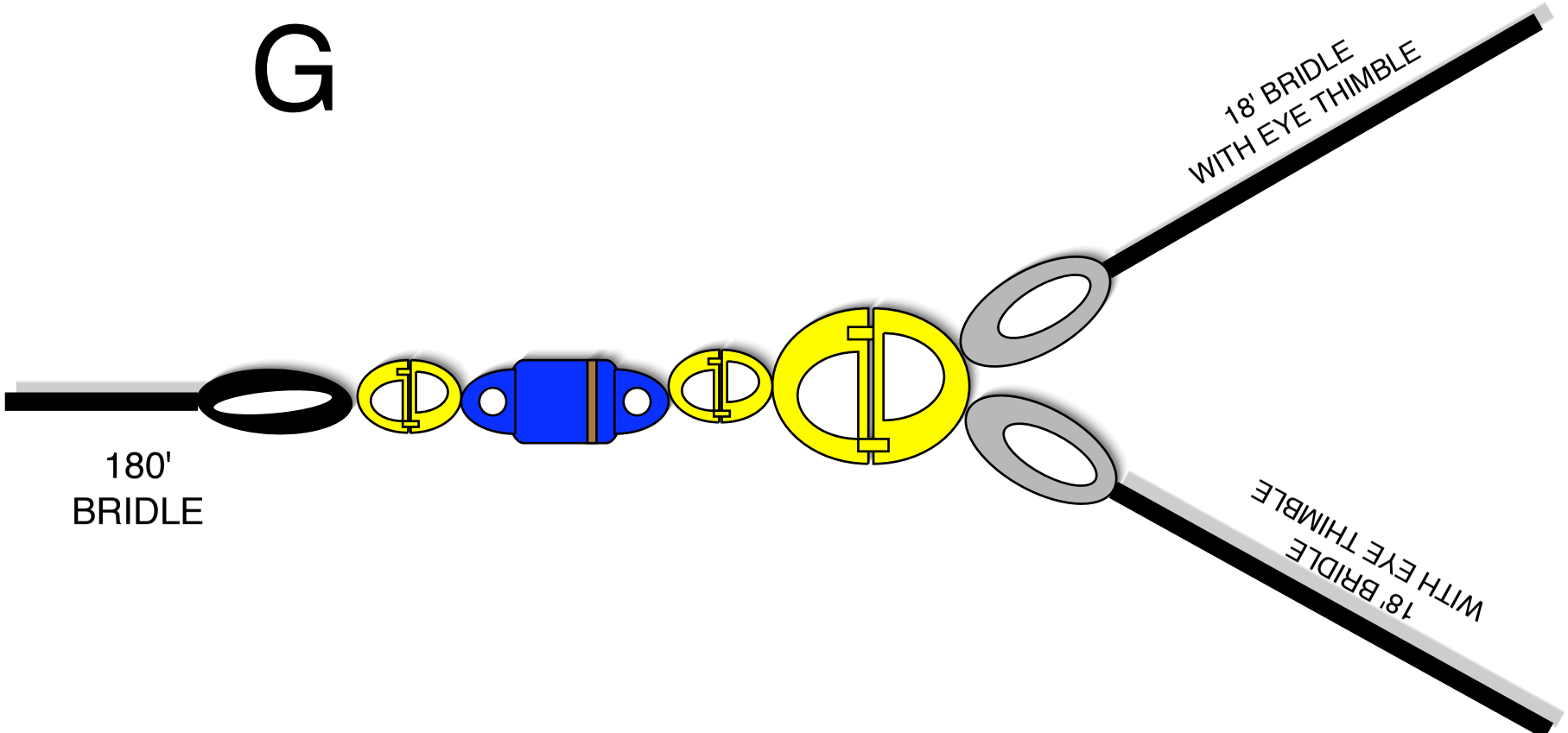
D

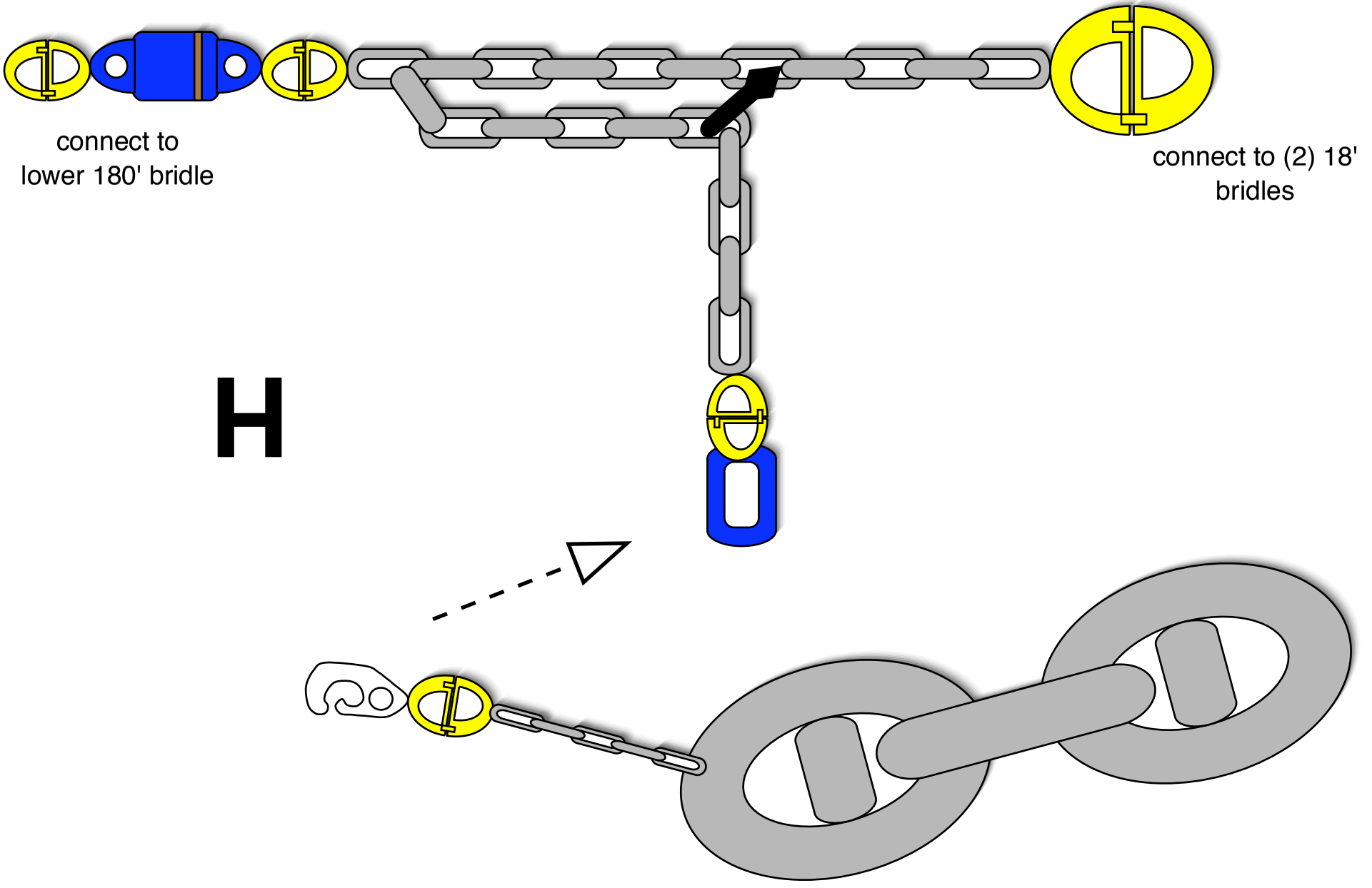


F

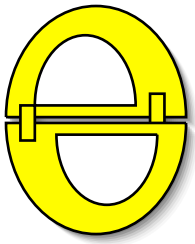


G

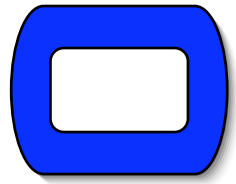

18' BRIDLE
WITH EYE THIMBLE
18' BRIDLE
WITH EYE THIMBLE
180'
BRIDLE


connect to
lower 180' bridle
connect to (2) 18'
bridles
H

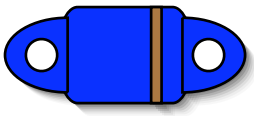
IYGPT TRAWL (Deepwater rig)
HARDWARE KEY



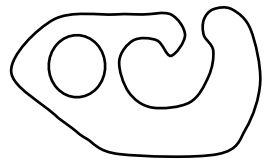
5/8" hammerlock
(Gunnebo)



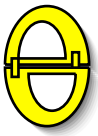
7/8" flatlink (Blueline)



3 ton ballbearing
swivel (Blueline)

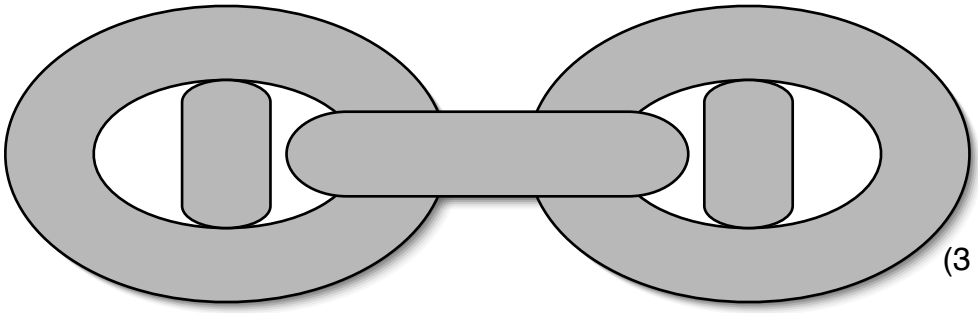


7/8" G-hook (Blueline)



1/2" hammerlock
(Gunnebo)

5/8" safety shackle
(Crosby)

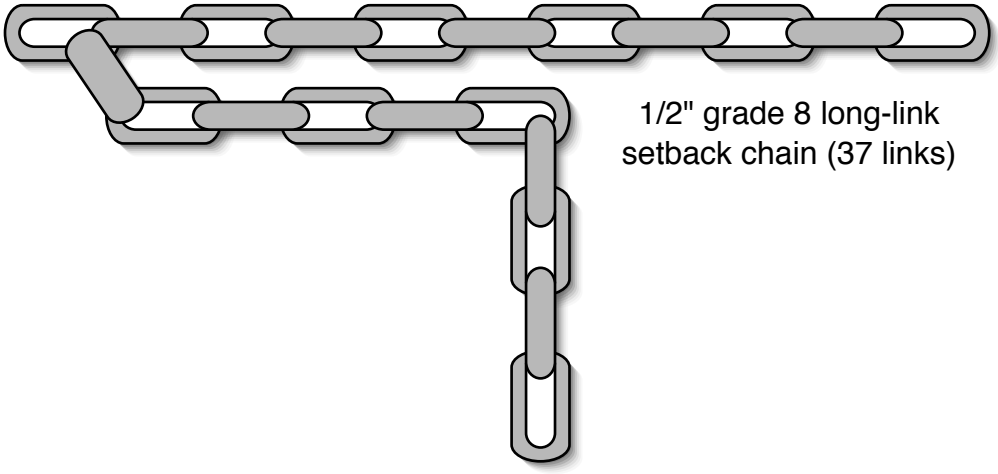


60-100lb tom weights
(3 links heavy mooring chain)

5/8" flat link (Blueline)

appropriate sized shackle
for 1/2" chain (generic)

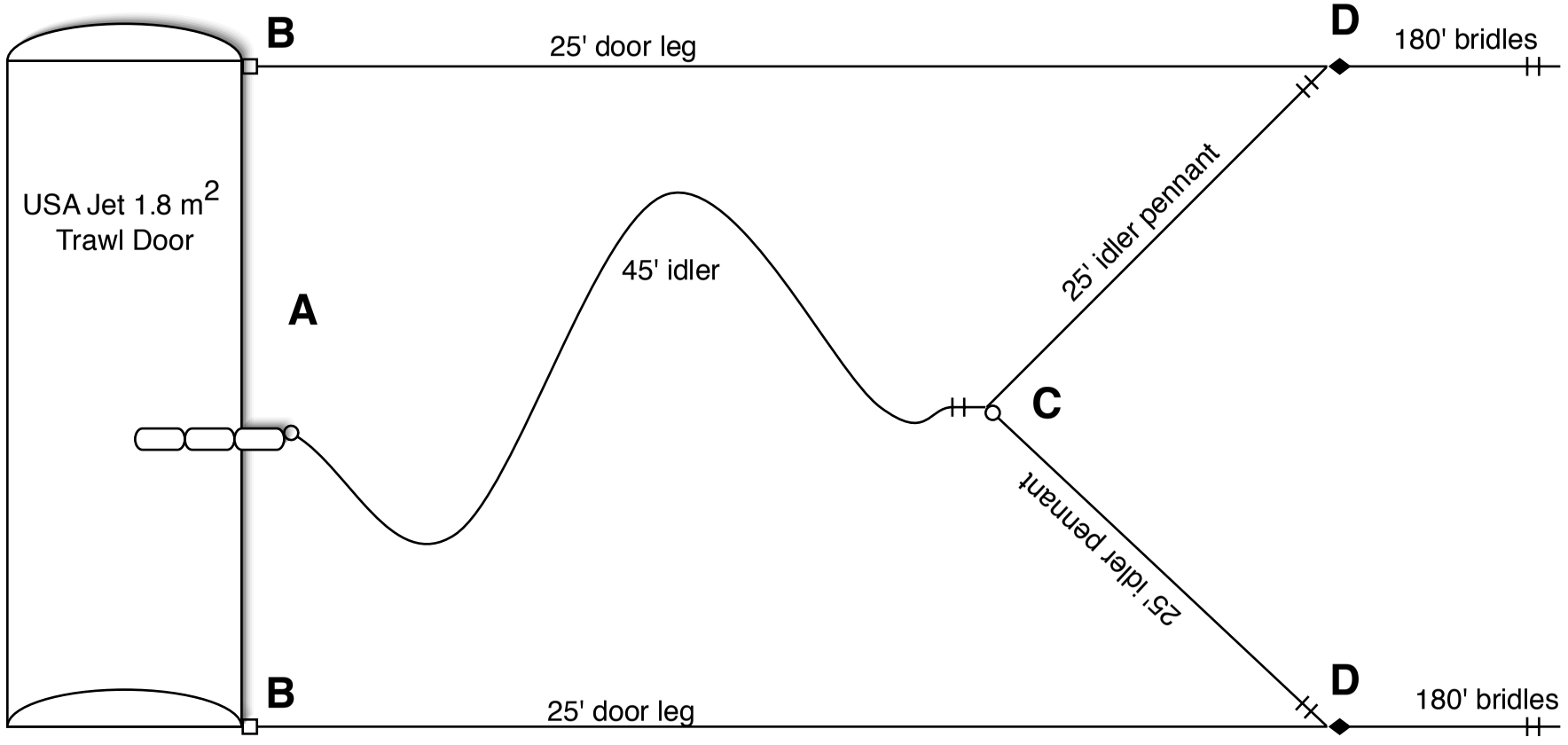
5/8" G-hook (Blueline)



1/2" grade 8 long-link
setback chain (37 links)

B

IYGPT TRAWL RIGGING



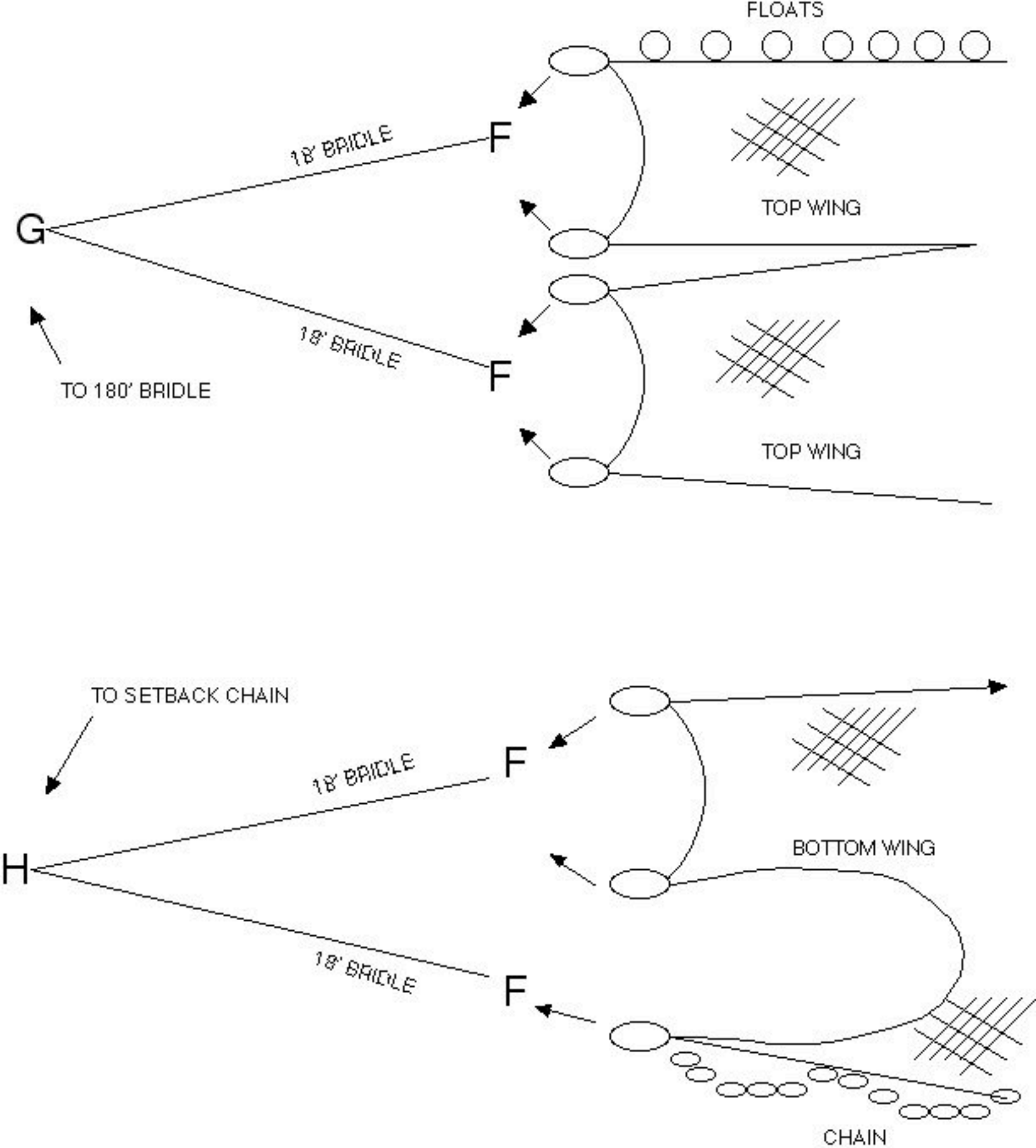
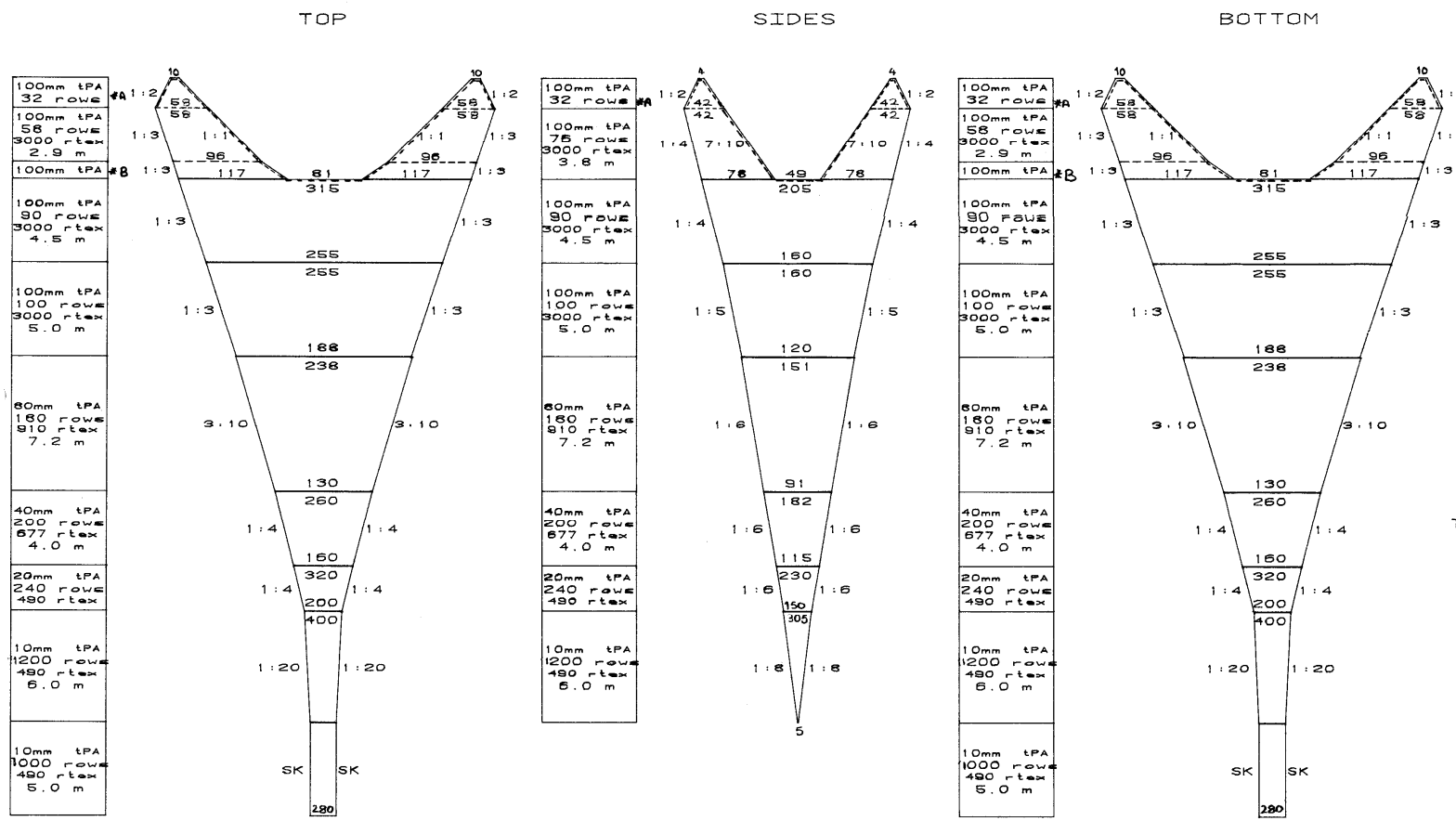


FIGURE 1. IYGPT TRAWL RIGGING DIAGRAM
(see Table 1 for hardware list corresponding to letter designations)



CUTTING RATES :

MESHES PER ROW	T=CLEAN MESH N=CUT MESH B=BAR
3:2	1T 1B
1:1	1T 2B
7:10	1T 5B
1:2	AB
1:3	1N 4B
3:10	1N 3B
1:4	1N 2B
1:5	3N 4B
1:6	1N 1B
1:8	3N 2B
1:20	9N 2B

TWINE AREA=85.24 sq m

4 PANEL TWISTED NYLON PELAGIC NET

SPEED (KNOTS)	NET DRAG (TONNES)
2	1.52
3	2.75
4	4.08
5	5.48

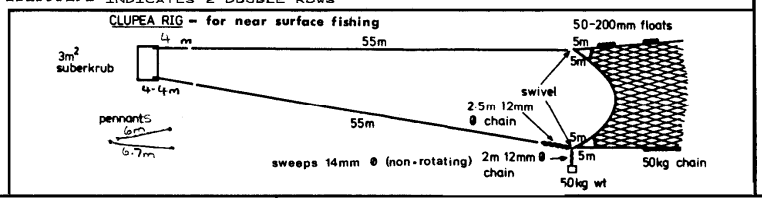
LENGTH GIVEN IS STRETCHED LENGTH

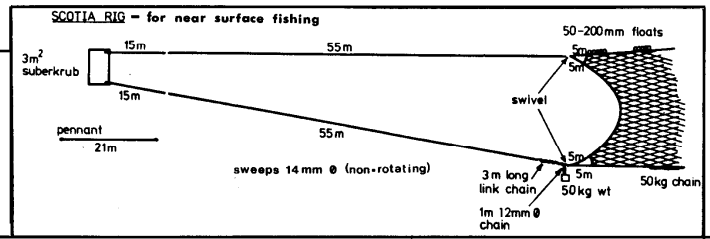
*A - 3000 rtex, 1.60m

*B - 18 rows, 3000 rtex, 0.9m

NOTE : -------- INDICATES 2 DOUBLE ROWS

SEE SEPARATE NOTES FOR RIGGING COMMENTS.





HEADLINE & FOOTROPE-17.5m
(5.7+1.35+3.4+1.35+5.7) 12mm ø
SERVED WIRE
SIDE PANEL LINES----14.5m(6+2.5+6)
16mmøPRE STRETCHED TERYLENE
SIDE LINES----------3.2m(1.6+1.6)
16mmøPRE STRETCHED TERYLENE
SELVEDGE STRENGTHENING ROPES 12mm ø
POLYPROP

DAFS MARINE LABORATORY TORRY ABERDEEN	600 H.P. I.Y.G.P.T. (SCOTIA OR CLUPEA)	DATE PRINTED: 15-APR-87	SCALE : 1: 255	HORSE POWER
		DATE OF LAST ALTERATION: 15-APR-87	PREPARED BY RJK	DRAWING NUMBER PT154