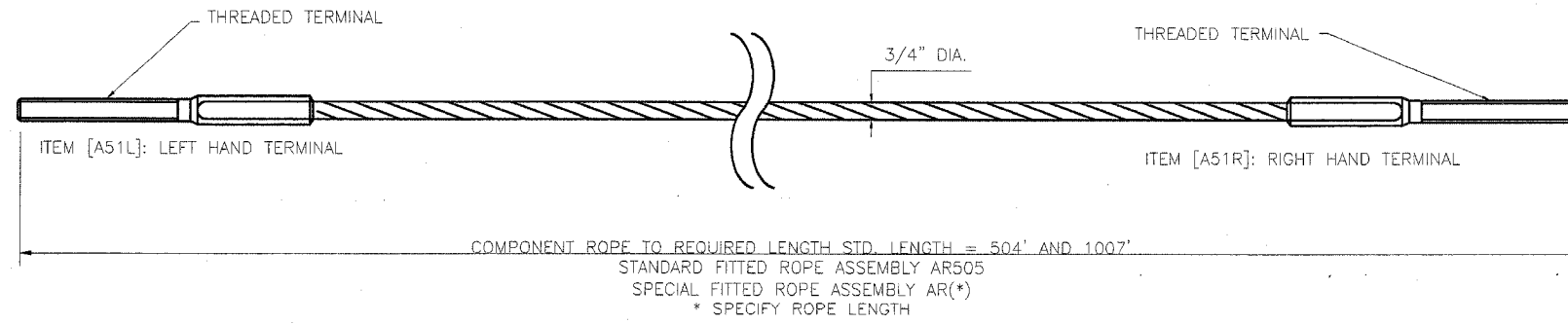
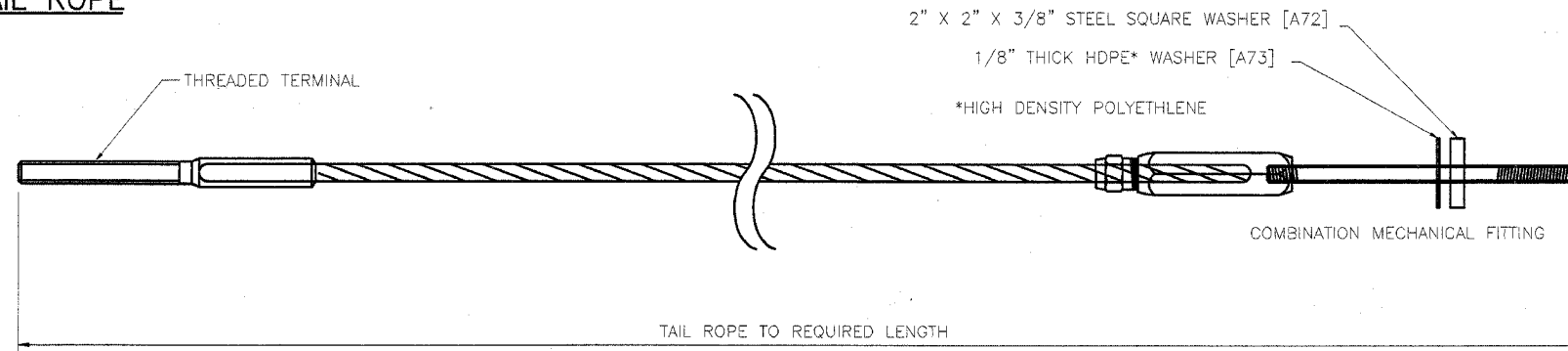


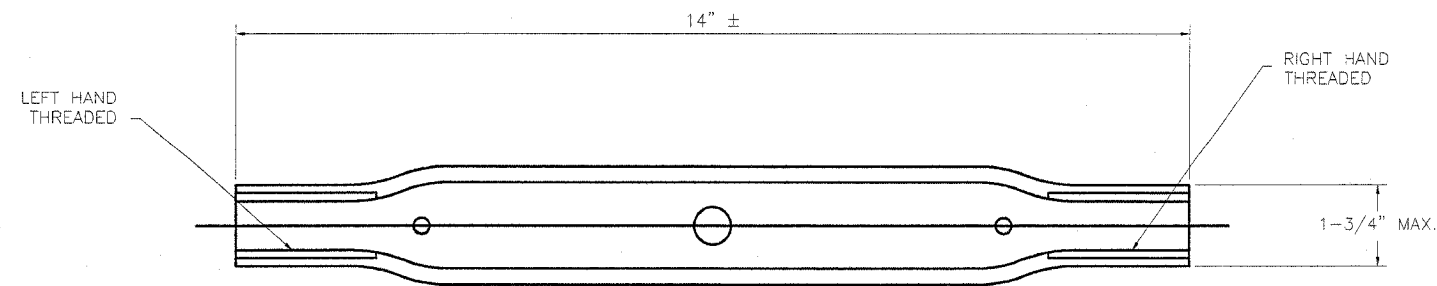
COMPONENT ROPE



TAIL ROPE



**RIGGING SCREW [A52]
(TURNBUCKLE)**



NOTES:

1. BRIFEN WIRE ROPE TO BE 3/4" (19mm) PRE-STRETCHED 3 X 7 CONSTRUCTION.
2. MINIMUM BREAKING LOAD OF FITTED ROPES SHALL BE 36,800 POUNDS (16.7 TONNE F METRIC).
3. COMBINATION MECHANICAL FITTING SHALL DEVELOP MINIMUM BREAKING LOAD AS STATED IN NOTE 2.
4. RIGGING SCREWS SHALL NOT BE LOCATED BETWEEN END ANCHORAGE AND TYPE POST 'A'.
5. WIRE ROPES ARE TO BE TENSIONED AFTER INSTALLATION, PER TENSION CHART BELOW, AND RE-CHECKED AFTER 2-3 WEEKS.

AMBIENT TEMPERATURE		ROPE TENSION	
C	F	KN	LBS
43	110	6.5	1410
38	100	9.4	2110
35	95	11.25	2531
30	86	14.00	3150
25	77	16.75	3769
20	68	19.50	4387
15	59	22.25	5006
10	50	25.00	5625
5	41	27.75	6244
0	32	30.50	6863
-5	23	33.25	7481
-10	14	36.00	8100
-18	0	40.40	9100

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BRIFEN★USA INC.

Revisions			WIRE ROPE AND FITTINGS		
No.	Date	By	Date	Drawn By	Scale
1.	6.21.05	MW	5.17.05	Aaron Wells	None
2.	6.28.05	MW			
3.	7.21.05	MW	VERSION 8.6		
4.	8.01.05	MW			
5.	8.04.05	MW	Dwg. No.	WRSF-05-202a	Sheet No. 2 of 11

FBI	SECTION	COUNTY	TOTAL SHEETS
RTE 57	2005-0381	COOKCOUNTY	58
STA. ILLINOIS	STA. ILLINOIS	FED. AID PROJECT	SHEET NO. 49
CONTRACT NO. 60409			