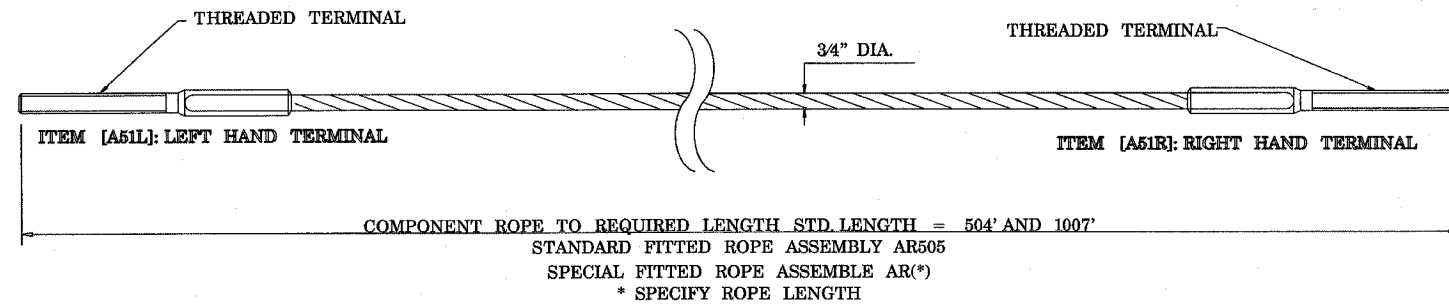


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2)I-2	MADISON	21	14
STA. 996+00		TO STA. 1026+00		
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				

COMPONENT ROPE



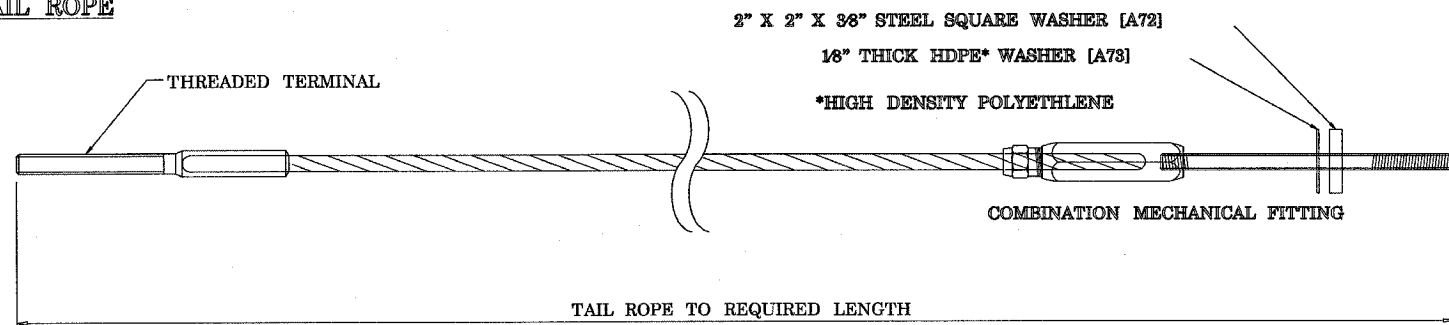
NOTES:

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 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.

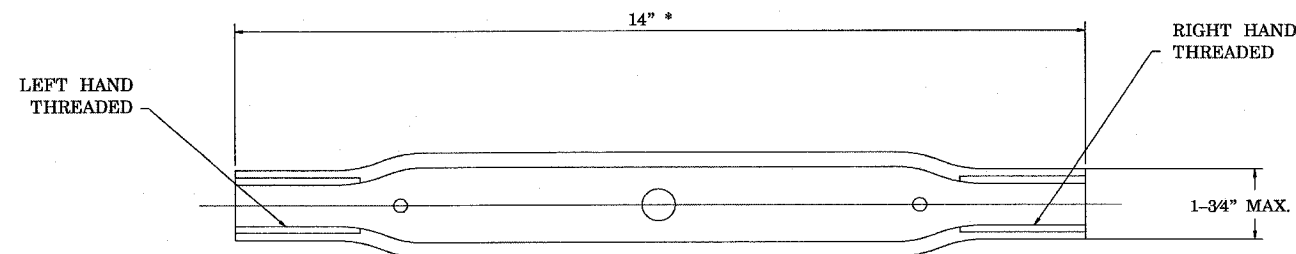
TENSION CHART

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

TAIL ROPE



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



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BRIFEN★USA INC.

Revisions			WIRE ROPE AND FITTINGS		
No.	Date	By	Date	Drawn By	Scale
1.	5.25.05	MW	5.17.05	Aaron Wells	None
2.	6.21.05	MW			
3.	6.28.05	MW			
4.					Sheet No.
5.			Dwg. No.	WRSF-05-202a	2 of 9