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SUBJECT: REVISION TO EM LOADS ON TF FLAGS

Ref. NSTX-CALC-13-23, "TF Forces", A. Brooks, 11/20/03

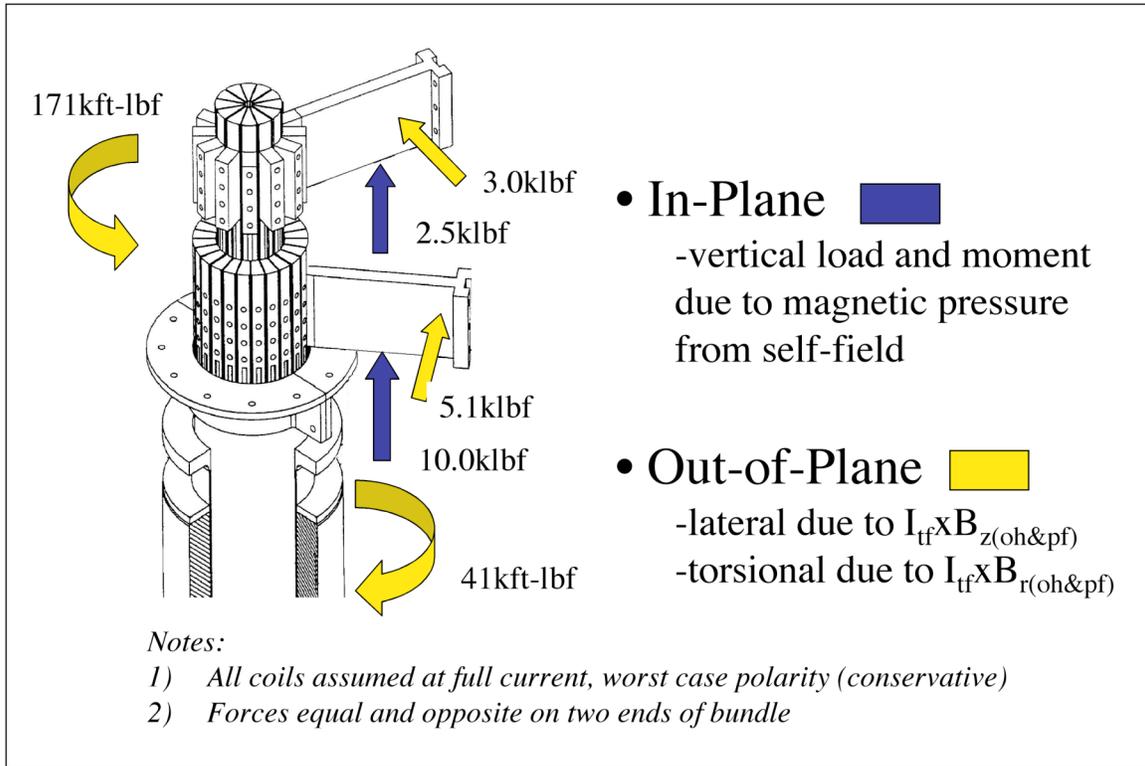
The following are updated loads on the TF flags, accumulated out to the midpoint of the flex link at $r \sim 24''$ (20'' beyond the inner leg bundle radius). The prior data was accumulated out to $r \sim 22''$ (18'' beyond the inner leg bundle radius).

In-Plane Loads

	F_{vertical} (lbf)	dR from effective point of application to flag inboard edge (in)	Moment (in-lbf)
Outer Layer Flag	7379	4.3	31719
Outer Layer Link	2575	15.1	38934
Total Per Outer Layer Flag/Link	9955	7.1	70653
Inner Layer Flag	1845	4.3	7930
Inner Layer Link	644	13.8	9734
Total Per Inner Layer Flag/Link	2489	6.2	17663
Total from All Turns	268775		

Out-of-Plane Loads

	F_{lateral} (lbf)	dR from effective point of application to flag inboard edge (in)	Moment (in-lbf)
Outer Layer Flag	3174	8.9	28286
Outer Layer Link	1899	18.8	35767
Total per Outer Layer Flag/Link	5074	12.6	64053
Inner Layer Flag	1979	9.1	18061
Inner Layer Link	1330	19.0	25200
Total per Inner Layer Flag/Link	3039	14.2	43261
Total from All Turns	158233	13.0	2056400



cc:

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