

# TFD Beam Steering System Coax Requirements

Typinski, 2014

Delay cable lengths in FEET

<b>EW°</b>	<b>4xF/G</b>	<b>H</b>	<b>Subtotal</b>
15	6	3	27
30	11	5	49
45	15	8	68
60	18	9	81
			225

Note: Northern steerings (cables B & D) not implemented

<b>NS°</b>	<b>2xA</b>	<b>2xC</b>	<b>E</b>	<b>Subtotal</b>
5	2	4	1	13
10	4	7	2	24
15	5	11	3	35
20	7	14	4	46
25	9	18	4	58
30	11	21	5	69
35	12	24	6	78
40	14	27	7	89
45	15	30	7	97
50	16	32	8	104
55	17	35	9	113
60	18	37	9	119
				845

<b>Modules</b>	<b>3xIntertie</b>	<b><math>\Delta_0</math></b>	<b>Subtotal</b>
14	1	1	56
			56

<b>Boxes</b>	<b>4xfeeds</b>	<b>2xfeeds</b>	<b>Subtotal</b>
3	40	90	340
			340

1,466

To implement northern steerings (cables B & D), add following

<b>NS°</b>	<b>2xB</b>	<b>2xD</b>	<b>Subtotal</b>
5	2	4	12
10	4	7	22
15	5	11	32
20	7	14	42
25	9	18	54
30	11	21	64
35	12	24	72
40	14	27	82
45	15	30	90
50	16	32	96
55	17	35	104
60	18	37	110
			780

780

**GRAND TOTAL RG-58, FEET** 2,246

<b>Modules</b>	<b>BNC's per module</b>	<b>Subtotal</b>
14	16	224
		224

<b>Module to Module Interties</b>	<b>BNC's</b>	<b>Subtotal</b>
14	2	28
		28

**GRAND TOTAL CRIMP CONNECTORS** 252