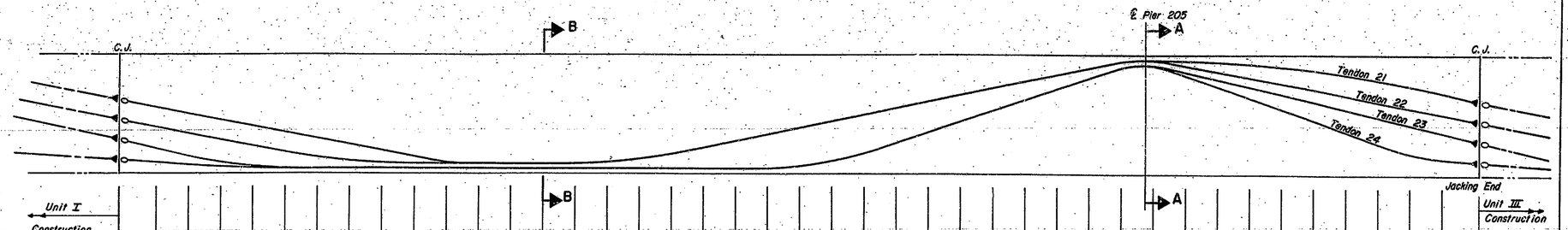
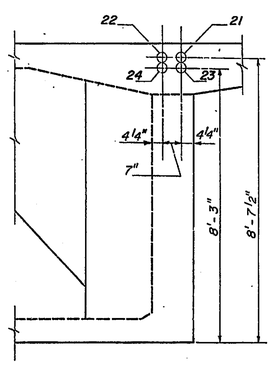


LINE "A" REFERENCE ABSCISSA	0.000	5.780	10.780	15.780	20.780	25.780	30.780	35.780	40.780	45.780	50.780	55.780	60.780	65.780	70.780	75.780	80.780	85.780	90.780	95.780	100.780	105.780	110.780	115.780	120.780	125.780	130.780	135.780	140.780	145.780	150.780	155.780	160.780	165.780	170.780	175.780	180.780	185.780	190.780	195.780	200.780	205.780	211.560
* TENDON 21- 19K6 DISTANCE /BOTT. SLAB	5.333	4.799	4.337	3.875	3.412	2.950	2.488	2.026	1.564	1.102	0.663	0.583	0.583	0.583	0.597	0.718	0.964	1.335	1.818	2.320	2.821	3.323	3.825	4.327	4.828	5.330	5.832	6.334	6.836	7.337	7.839	8.332	8.455	8.405	8.299	8.136	7.917	7.640	7.307	6.917	6.470	5.966	5.332
TENDON 22- 19K6 DISTANCE /BOTT. SLAB	3.833	3.299	2.838	2.376	1.915	1.454	1.064	0.789	0.629	0.583	0.583	0.583	0.583	0.583	0.597	0.718	0.964	1.335	1.818	2.320	2.821	3.323	3.825	4.327	4.828	5.330	5.832	6.334	6.836	7.337	7.839	8.332	8.420	8.016	7.559	7.102	6.646	6.189	5.732	5.275	4.818	4.361	3.833
TENDON 23- 19K6 DISTANCE /BOTT. SLAB	2.332	1.669	1.110	0.674	0.381	0.230	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.229	0.422	0.818	1.417	2.198	3.011	3.825	4.638	5.452	6.265	7.079	7.878	8.035	7.534	6.966	6.397	5.829	5.261	4.693	4.125	3.557	2.989	2.332
TENDON 24- 19K6 DISTANCE /BOTT. SLAB	0.833	0.638	0.474	0.345	0.259	0.215	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.229	0.422	0.818	1.417	2.198	3.011	3.825	4.638	5.452	6.265	7.079	7.878	8.011	7.258	6.407	5.555	4.703	3.852	3.000	2.148	1.422	1.031	0.833
RIGHT WEB	0.000	5.780	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.005	5.786
LEFT WEB	0.000	5.780	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	4.956	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	4.953	5.726

TENDON PROFILE ELEVATION

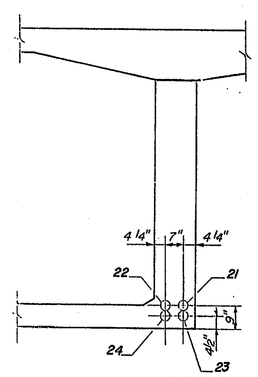
(Scale: Vert. 1/4" = 1'-0" Horz. 1/8" = 1'-0")



RIGHT WEB

SECTION A-A

(LOOKING UP STATION)



RIGHT WEB

SECTION B-B

(LOOKING UP STATION)

* *Distances given are from bottom of slab to bottom of tendon duct.*

STRESSING SEQUENCE	TENDON NO.	NO. OF TENDONS	TYPE	JACKING FORCE	ELONGATION LW	ELONGATION RW	LENGTH LW	LENGTH RW
1st	22	2	19K6	828	1.407'	1.418'	210.77'	212.28'
2nd	23	2	19K6	828	1.373'	1.384'	211.05'	212.73'
3rd	21	2	19K6	828	1.394'	1.405'	210.76'	212.44'
4th	24	2	19K6	850	1.355'	1.366'	211.21'	212.88'
5th	25	2	19K6	861	1.162'	1.168'	166.90'	167.80'
6th	26	2	19K6	861	0.830'	0.836'	117.08'	117.85'

NOTE: These tendon lengths & elongation are from anchor plate to anchor plate.
Dimensions are on grade.
Tendon elevations are perpendicular to grade.
Tendon to be stressed from jacking end as indicated by -4-.
Elongations based on a steel modulus of elasticity of 26.5×10^6 p.s.i.

LW - left web
RW - right web

LEGEND

- *Dead End*
- *Jacking End*
- *Post-tensioning Coupler*

APPROVED FOR CONSTRUCTION
W. B. Allen
APPROVED
9-17-81

Figg and Muller Engineers Inc.
426 Burns Calhoun Street
Indianapolis, Indiana 46241

POST-TENSIONING LAYOUT - UNIT II

INDIANA STATE HIGHWAY COMMISSION

LAKE COUNTY - RAMP:- A SECTION:-
SCALE:- AS NOTED DATE:- June 29, 1981
SUBMITTED FOR APPROVAL Eugene C. Figg, Jr.
DRAWING:- OF SHEET:- 142 OF
PROJECT:- MM 220-1 (8)
CONTRACT NO. B-12752
BRIDGE FILE:- 912-45-2546 RWX

EUGENE C. FIGG, JR. REGISTERED No. 18543 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGNED	M.M.	QD C'K'D.	M.M.
DRAWN	M.B.	C'K'D.	G.R.
TRACED	M.B.	C'K'D.	G.R.