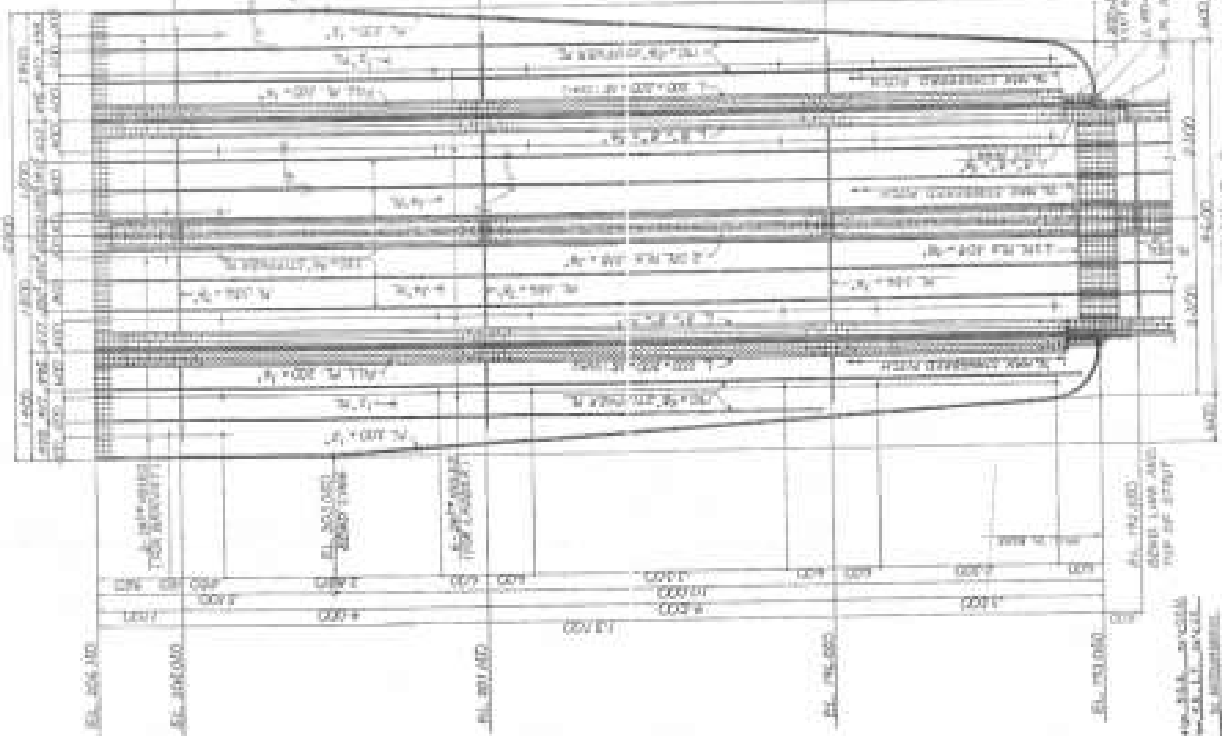


1-2. Tower

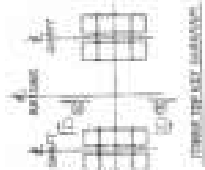


Scale: 1/4" = 1'-0"
 Date: 11/1/54
 Project: Karnali River Bridge

REVISIONS

NO.	DESCRIPTION	DATE
1	As shown	11/1/54

DESIGNED BY: *[Signature]*
 CHECKED BY: *[Signature]*
 DATE: 11/1/54

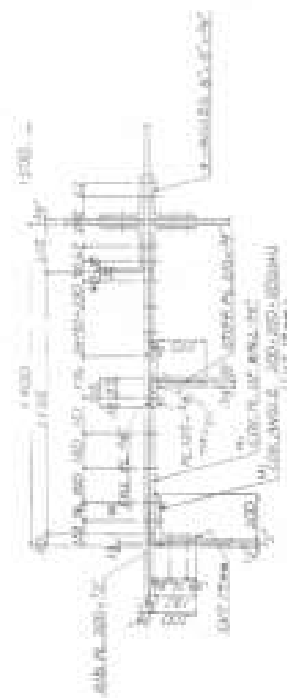
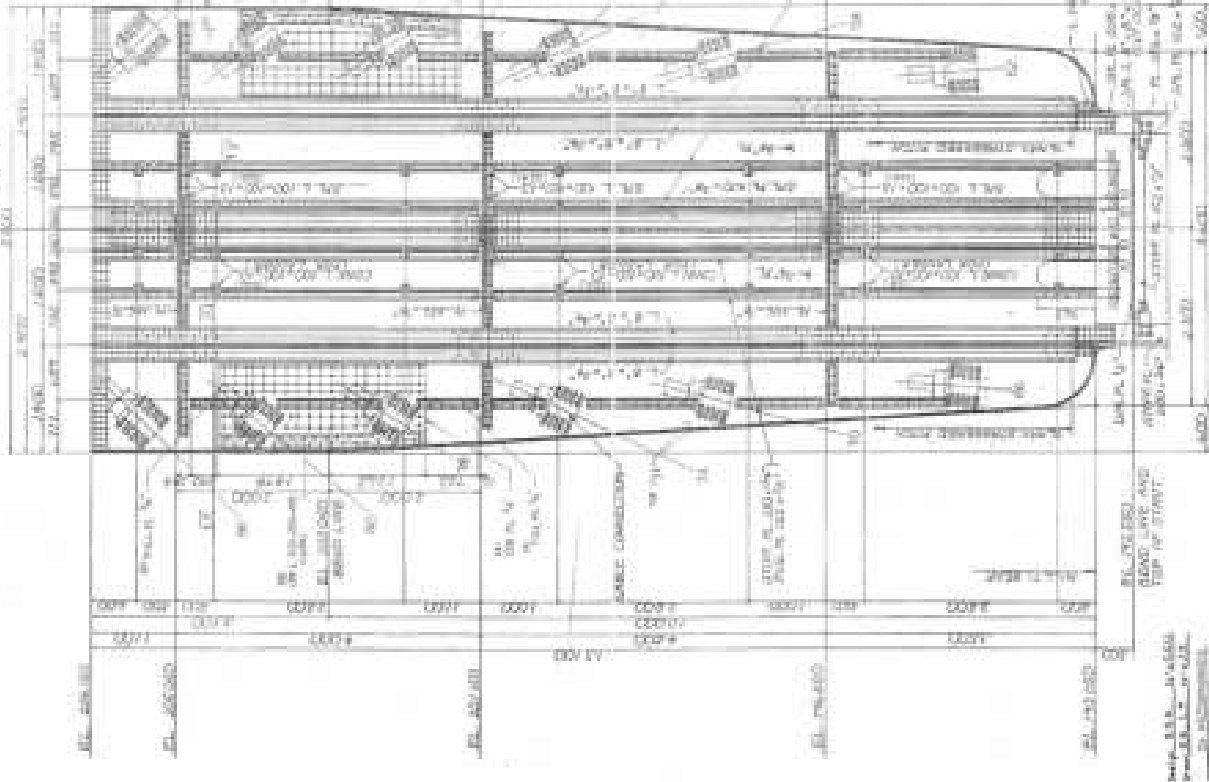


THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND SHOULD NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

ALL RIGHTS RESERVED
 ENGINEER: *[Signature]*
 DATE: 11/1/54

HIS MAJESTY'S GOVERNMENT OF NEPAL	
S. P. M. CHAKRABARTY - ENGINEER	
CONSTRUCTION DEVELOPMENT BOARD	
KARNALI RIVER BRIDGE	
TOWER TOP DETAILS - T (N)	
SCALE: 1/4" = 1'-0"	DATE: 11/1/54
DESIGNED BY: <i>[Signature]</i>	CHECKED BY: <i>[Signature]</i>

Y-Z Tower



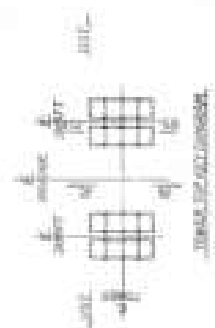
SECTION X-X
SECTION Y-Y

Notes:
1. All dimensions are in feet and inches.
2. All dimensions are to be maintained.
3. All dimensions are to be maintained.
4. All dimensions are to be maintained.

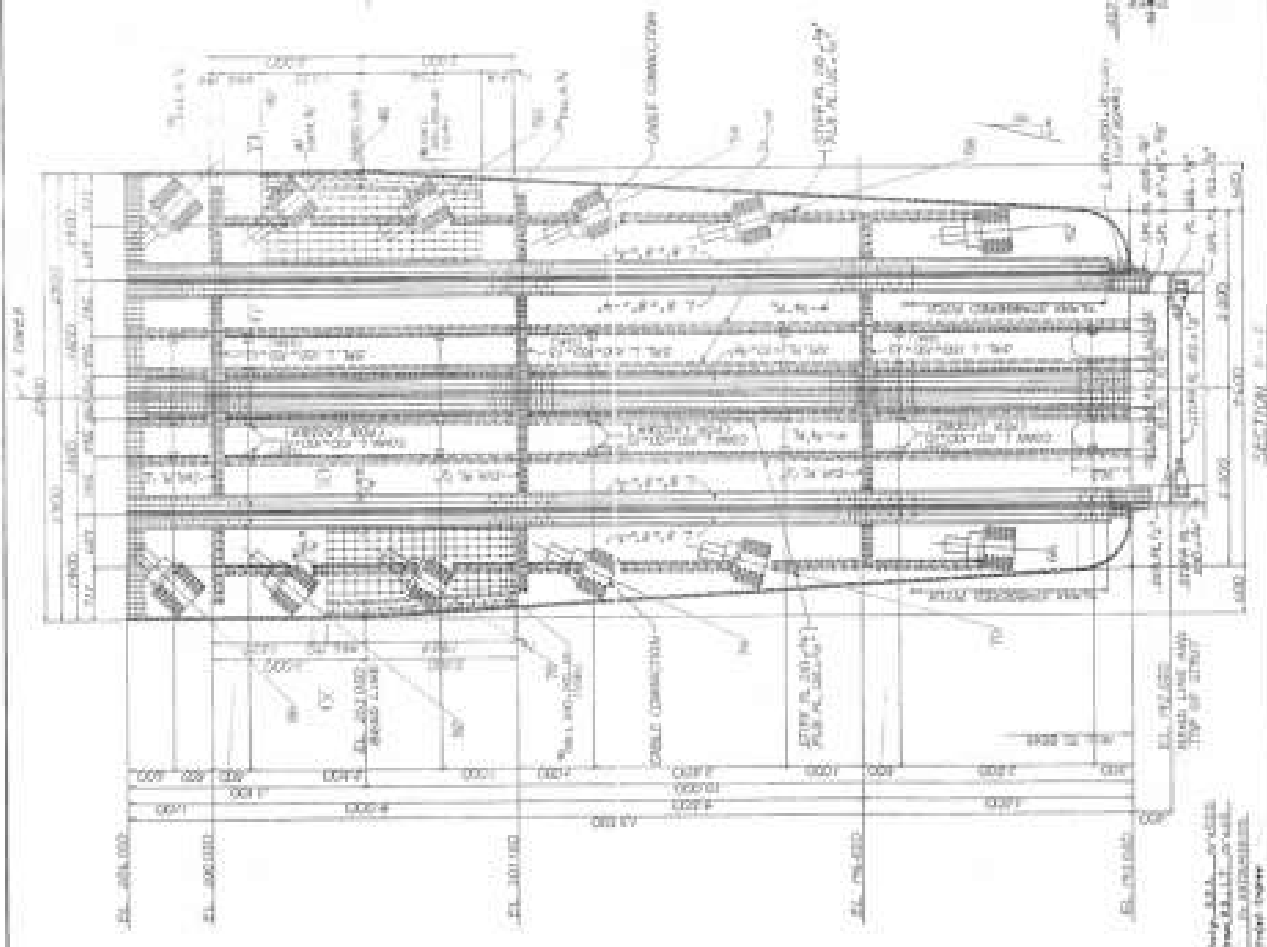
Notes:
1. All dimensions are in feet and inches.
2. All dimensions are to be maintained.
3. All dimensions are to be maintained.
4. All dimensions are to be maintained.

Notes:
1. All dimensions are in feet and inches.
2. All dimensions are to be maintained.
3. All dimensions are to be maintained.
4. All dimensions are to be maintained.

HIS MASTER'S OVERSIGHT OF REPS.			
KARNALI RIVER BRIDGE			
TOWER TOP DETAILS-1 (1/4)			
MINIMUM SPACING OF REINFORCEMENT			
REINFORCEMENT	1/4"	1/2"	3/4"
MINIMUM SPACING	1/4"	1/2"	3/4"



SECTION Z-Z

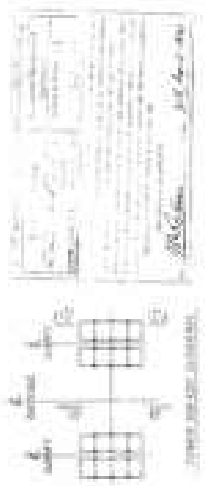


10. *Chlorophyll a* (mg/g dry weight) = $\frac{12.7}{2300} \times \text{Absorbance at } 663 \text{ nm} \times 1000$

HIO. HARBOR'S CONCRETE OF REIN.	
R. O. S. ROBERTSON - HARBOR CONCRETE OF REIN. CONCRETE BRIDGE	
KARNALI RIVER BRIDGE	
TOWER TOP DETAILS-I (A ₂)	
STANDARD DRAWING SUBMITTED & APPROVED CONCERNING THE PROJECT, THE DATE, 1/1/77	
PROJECT NO.	1-015
DATE	1/1/77
BY	1/1/77

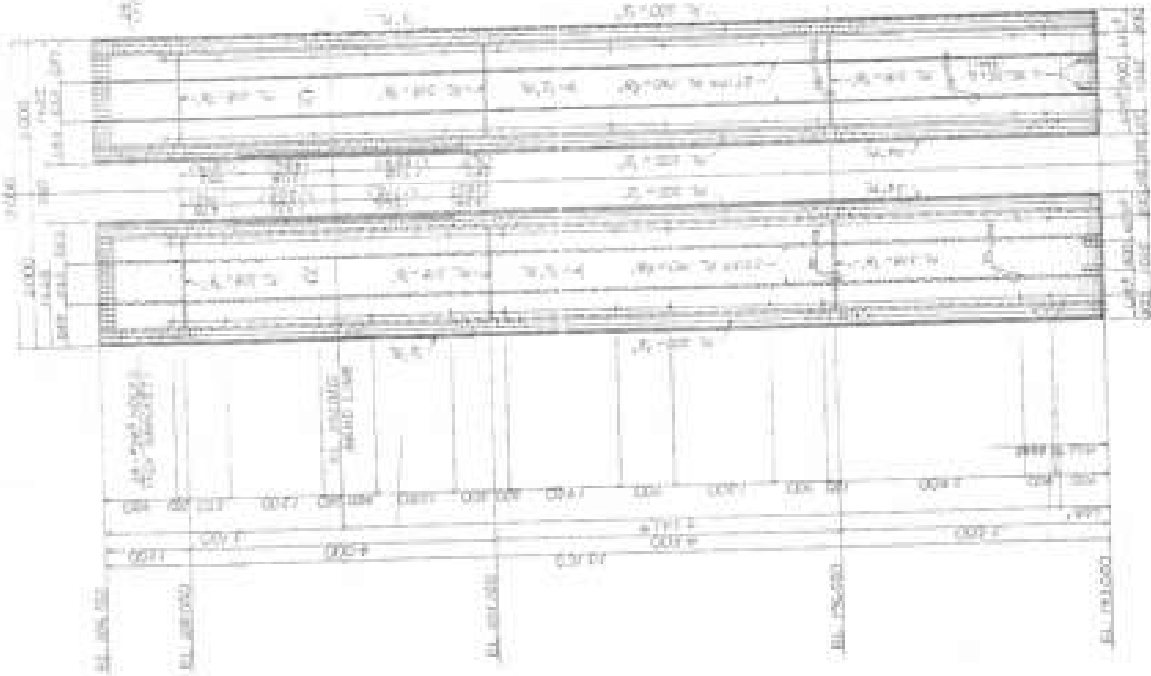


Year	Number of cases		Number of deaths		Number of cases per 100,000 population	Number of deaths per 100,000 population
	Male	Female	Male	Female		
1990	1,000	1,000	10	10	10.0	10.0
1991	1,000	1,000	10	10	10.0	10.0
1992	1,000	1,000	10	10	10.0	10.0
1993	1,000	1,000	10	10	10.0	10.0
1994	1,000	1,000	10	10	10.0	10.0
1995	1,000	1,000	10	10	10.0	10.0
1996	1,000	1,000	10	10	10.0	10.0
1997	1,000	1,000	10	10	10.0	10.0
1998	1,000	1,000	10	10	10.0	10.0
1999	1,000	1,000	10	10	10.0	10.0
2000	1,000	1,000	10	10	10.0	10.0
2001	1,000	1,000	10	10	10.0	10.0
2002	1,000	1,000	10	10	10.0	10.0
2003	1,000	1,000	10	10	10.0	10.0
2004	1,000	1,000	10	10	10.0	10.0
2005	1,000	1,000	10	10	10.0	10.0
2006	1,000	1,000	10	10	10.0	10.0
2007	1,000	1,000	10	10	10.0	10.0
2008	1,000	1,000	10	10	10.0	10.0
2009	1,000	1,000	10	10	10.0	10.0
2010	1,000	1,000	10	10	10.0	10.0
2011	1,000	1,000	10	10	10.0	10.0
2012	1,000	1,000	10	10	10.0	10.0
2013	1,000	1,000	10	10	10.0	10.0
2014	1,000	1,000	10	10	10.0	10.0
2015	1,000	1,000	10	10	10.0	10.0
2016	1,000	1,000	10	10	10.0	10.0
2017	1,000	1,000	10	10	10.0	10.0
2018	1,000	1,000	10	10	10.0	10.0
2019	1,000	1,000	10	10	10.0	10.0
2020	1,000	1,000	10	10	10.0	10.0

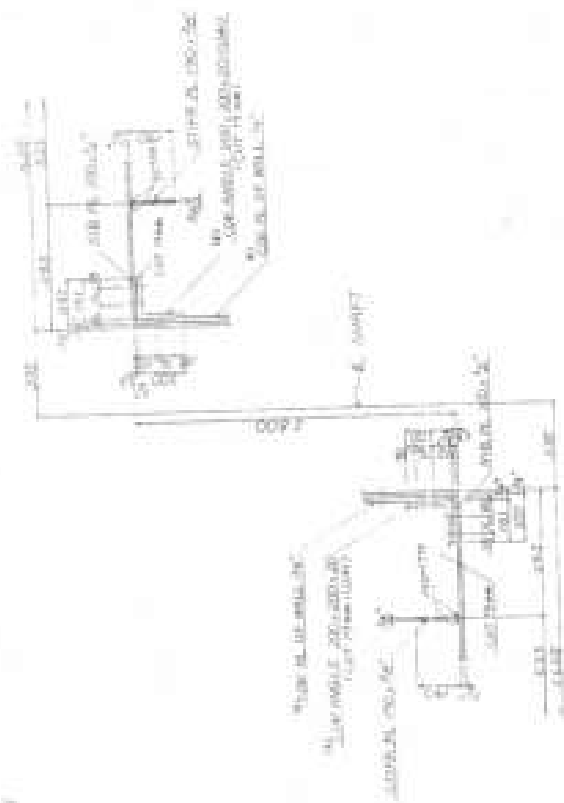
[illegible][illegible]

Design: 2008-11-20 11:20:00
 Name: 2008-11-20 11:20:00
 ID: 2008-11-20 11:20:00
 Project: 2008-11-20 11:20:00

1/4" = 1' 0" HORIZONTAL



SECTION 1-1
1/4" = 1' 0" HORIZONTAL

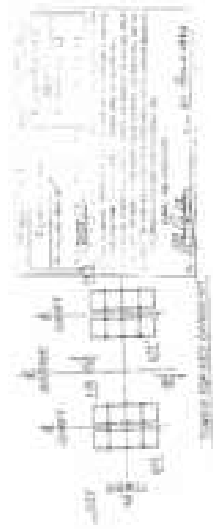


SECTION 2-2

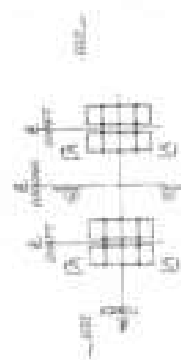
THIS DRAWING WAS PREPARED BY THE
KARNALI RIVER BRIDGE PROJECT
UNDER THE SUPERVISION OF THE
KARNALI RIVER BRIDGE PROJECT
ENGINEER-IN-CHARGE
KARNALI RIVER BRIDGE PROJECT
ENGINEER-IN-CHARGE
KARNALI RIVER BRIDGE PROJECT
ENGINEER-IN-CHARGE

AS-BUILT DRAWING PREPARED BY
KARNALI RIVER BRIDGE PROJECT
ENGINEER-IN-CHARGE

THIS DRAWING IS A PART OF THE KARNALI RIVER BRIDGE PROJECT ENGINEER-IN-CHARGE			
KARNALI RIVER BRIDGE			
TOWER TOP DETAILS-1 (N)			
STRUCTURAL DRAWING NO. 1000-1			
DATE	1/1/77	BY	1000-1
SCALE	1/4" = 1' 0"	APP'D.	1000-1



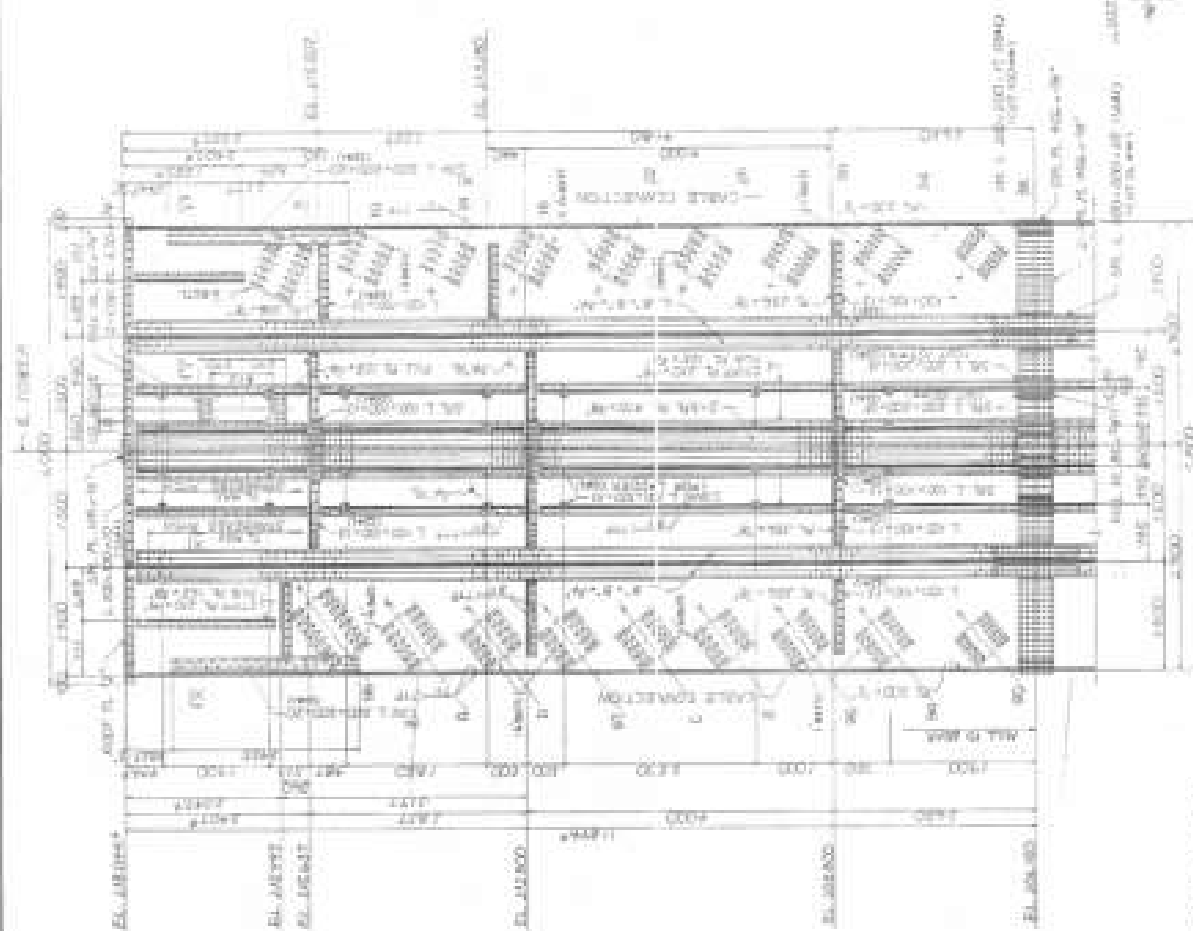
SECTION 3-3
1/4" = 1' 0" HORIZONTAL



Section A-A

Variable	Mean	Standard deviation	Minimum	Maximum
Age	34.5	10.5	20	55
Gender	Male	Female		
Marital status	Married	Single		
Education	High school	College		
Occupation	Manager	Worker		
Income	Low	High		
Health status	Good	Poor		
Smoking status	Smoker	Non-smoker		
Alcohol consumption	Regular	Occasional		
Exercise frequency	Regular	Occasional		
Stress level	Low	High		
Family size	Small	Large		
Religious beliefs	Religious	Secular		
Political views	Conservative	Liberal		
Travel frequency	Regular	Occasional		
Food preferences	Vegetarian	Non-vegetarian		
Shopping habits	Online	Offline		
Work-life balance	Good	Poor		
Community involvement	Active	Passive		
Personal goals	Clear	Vague		
Emotional stability	Stable	Unstable		
Communication skills	Good	Poor		
Problem-solving abilities	Strong	Weak		
Adaptability	High	Low		
Resilience	High	Low		
Empathy	High	Low		
Self-awareness	High	Low		
Emotional intelligence	High	Low		
Interpersonal skills	Good	Poor		
Leadership qualities	Strong	Weak		
Teamwork abilities	Good	Poor		
Conflict resolution skills	Good	Poor		
Decision-making skills	Good	Poor		
Time management skills	Good	Poor		
Organization skills	Good	Poor		
Attention to detail	High	Low		
Initiative	High	Low		
Proactivity	High	Low		
Resilience	High	Low		
Adaptability	High	Low		
Flexibility	High	Low		
Open-mindedness	High	Low		
Curiosity	High	Low		
Enthusiasm	High	Low		
Optimism	High	Low		
Positivity	High	Low		
Confidence	High	Low		
Self-esteem	High	Low		
Self-worth	High	Low		
Self-respect	High	Low		
Self-love	High	Low		
Self-compassion	High	Low		
Self-awareness	High	Low		
Emotional intelligence	High	Low		
Interpersonal skills	Good	Poor		
Leadership qualities	Strong	Weak		
Teamwork abilities	Good	Poor		
Conflict resolution skills	Good	Poor		
Decision-making skills	Good	Poor		
Time management skills	Good	Poor		
Organization skills	Good	Poor		
Attention to detail	High	Low		
Initiative	High	Low		
Proactivity	High	Low		
Resilience	High	Low		
Adaptability	High	Low		
Flexibility	High	Low		
Open-mindedness	High	Low		
Curiosity	High	Low		
Enthusiasm	High	Low		
Optimism	High	Low		
Positivity	High	Low		
Confidence	High	Low		
Self-esteem	High	Low		
Self-worth	High	Low		
Self-respect	High	Low		
Self-love	High	Low		
Self-compassion	High	Low		

H&B PLASTER'S GUARANTEE OF RETAIL R. B. H. JOHNSON, JR. - MANAGER 10000 W. 10TH AVE. - DENVER, CO 80231	KARMAI RIVER BRIDGE	TOWER TOP DETAILS II (W)	10000 W. 10TH AVE. - DENVER, CO 80231 R. B. H. JOHNSON, JR. - MANAGER	10000 W. 10TH AVE. - DENVER, CO 80231 R. B. H. JOHNSON, JR. - MANAGER
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AL-BUILT DRAWING PREPARED BY
KARNALI RIVER BRIDGE LTD.

SECTION A-A

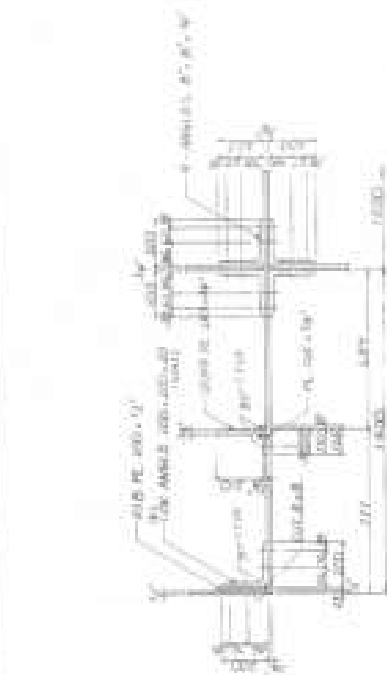


SECTION A-A
SECTION B-B

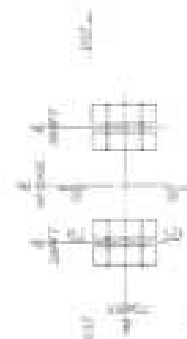
NOTES:
1. THE BRIDGE IS TO BE CONSTRUCTED ON THE EXISTING GRADE.
2. THE BRIDGE IS TO BE CONSTRUCTED ON THE EXISTING GRADE.
3. THE BRIDGE IS TO BE CONSTRUCTED ON THE EXISTING GRADE.
4. THE BRIDGE IS TO BE CONSTRUCTED ON THE EXISTING GRADE.
5. THE BRIDGE IS TO BE CONSTRUCTED ON THE EXISTING GRADE.

NOTES:
1. THE BRIDGE IS TO BE CONSTRUCTED ON THE EXISTING GRADE.
2. THE BRIDGE IS TO BE CONSTRUCTED ON THE EXISTING GRADE.
3. THE BRIDGE IS TO BE CONSTRUCTED ON THE EXISTING GRADE.
4. THE BRIDGE IS TO BE CONSTRUCTED ON THE EXISTING GRADE.
5. THE BRIDGE IS TO BE CONSTRUCTED ON THE EXISTING GRADE.

KARNALI RIVER BRIDGE	
TOWER TOP DETAILS II (m)	
STATIONING	1000
BRIDGE	1000
APPROACH	1000
PIERS	1000
ABUTMENTS	1000
PIERS	1000
ABUTMENTS	1000



SECTION	$\lambda = 0$	$\lambda = 1$	$\lambda = 2$
SECTION	$\lambda = 0$	$\lambda = 1$	$\lambda = 2$

[illegible][illegible]

SECTION 2-2

Page 20 of 20

U.S. DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL MECHANIZATION
PROGRAM
KARNALI RIVER BRIDGE

TOPEN TOP DETAILS II (%)

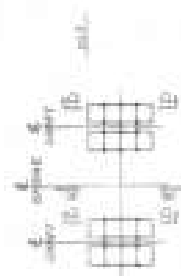
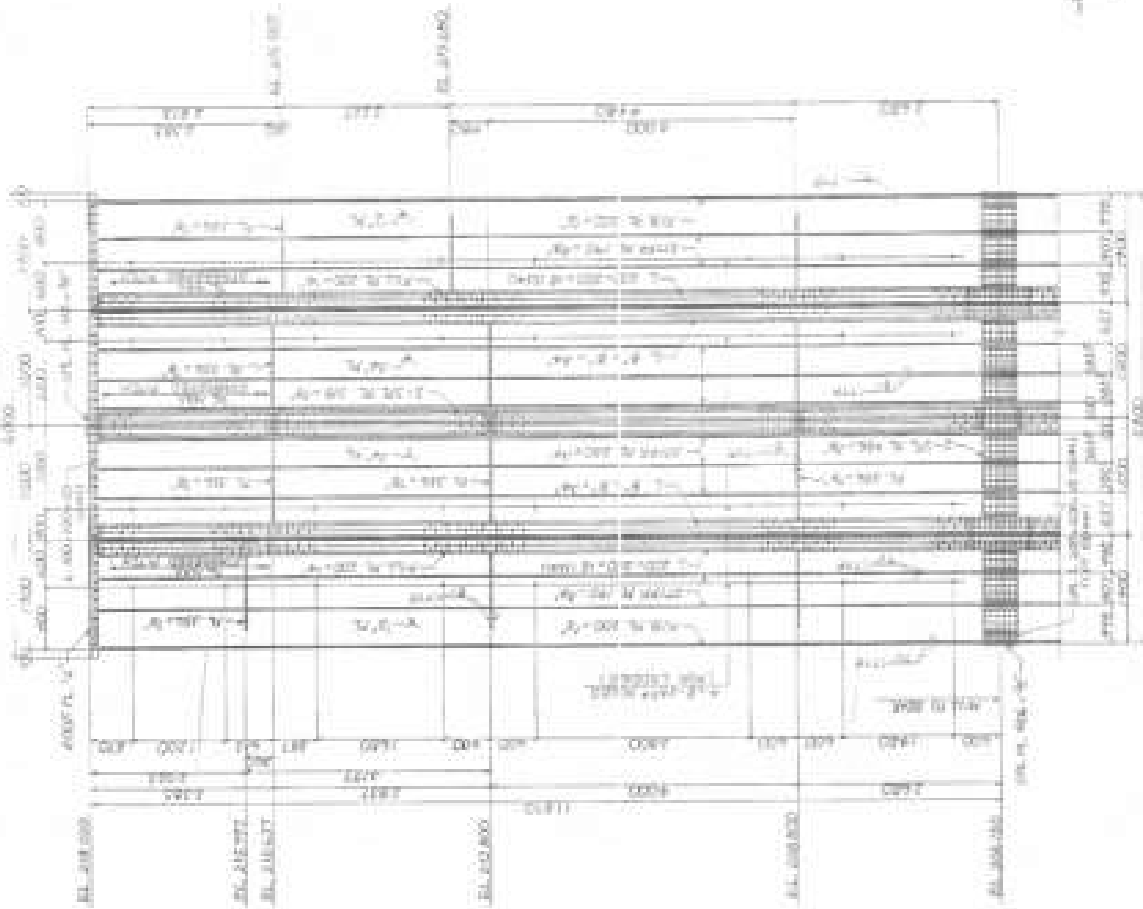
THESE RESULTS ARE IN ACCORD WITH THE FINDINGS OF OTHER RESEARCHERS WHO HAVE SHOWN THAT THE EFFECTS OF THE THERAPY ARE MORE PERSISTENT WHEN THE THERAPY IS COMBINED WITH A SUPPORTIVE ENVIRONMENT (e.g., family therapy, group therapy, etc.).

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

1. *Chlorophyll a* (Chl *a*)
 2. *Chlorophyll b* (Chl *b*)
 3. *Chlorophyll c* (Chl *c*)
 4. *Chlorophyll d* (Chl *d*)
 5. *Chlorophyll e* (Chl *e*)
 6. *Chlorophyll f* (Chl *f*)
 7. *Chlorophyll g* (Chl *g*)
 8. *Chlorophyll h* (Chl *h*)
 9. *Chlorophyll i* (Chl *i*)
 10. *Chlorophyll j* (Chl *j*)
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 12. *Chlorophyll l* (Chl *l*)
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 15. *Chlorophyll o* (Chl *o*)
 16. *Chlorophyll p* (Chl *p*)
 17. *Chlorophyll q* (Chl *q*)
 18. *Chlorophyll r* (Chl *r*)
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 22. *Chlorophyll v* (Chl *v*)
 23. *Chlorophyll w* (Chl *w*)
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 28. *Chlorophyll ab* (Chl *ab*)
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 41. *Chlorophyll ao* (Chl *ao*)
 42. *Chlorophyll ap* (Chl *ap*)
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 44. *Chlorophyll ar* (Chl *ar*)
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 105. *Chlorophyll ayz* (Chl *ayz*)
 106. *Chlorophyll azz* (Chl *azz*)
 107. *Chlorophyll azaa* (Chl *aza*)
 108. *Chlorophyll abz* (Chl *abz*)
 109. *Chlorophyll acz* (Chl *acz*)
 110. *Chlorophyll adz* (Chl *adz*)
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 112. *Chlorophyll afz* (Chl *afz*)
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 117. *Chlorophyll akz* (Chl *akz*)
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 129. *Chlorophyll awz* (Chl *awz*)
 130. *Chlorophyll axz* (Chl *axz*)
 131. *Chlorophyll ayz* (Chl *ayz*)
 132. *Chlorophyll ayz* (Chl *ayz*)
 133.

[illegible]

P-E TOWER



REINFORCEMENT BAR SCHEDULE

REINFORCEMENT BAR SCHEDULE

SECTION D-D

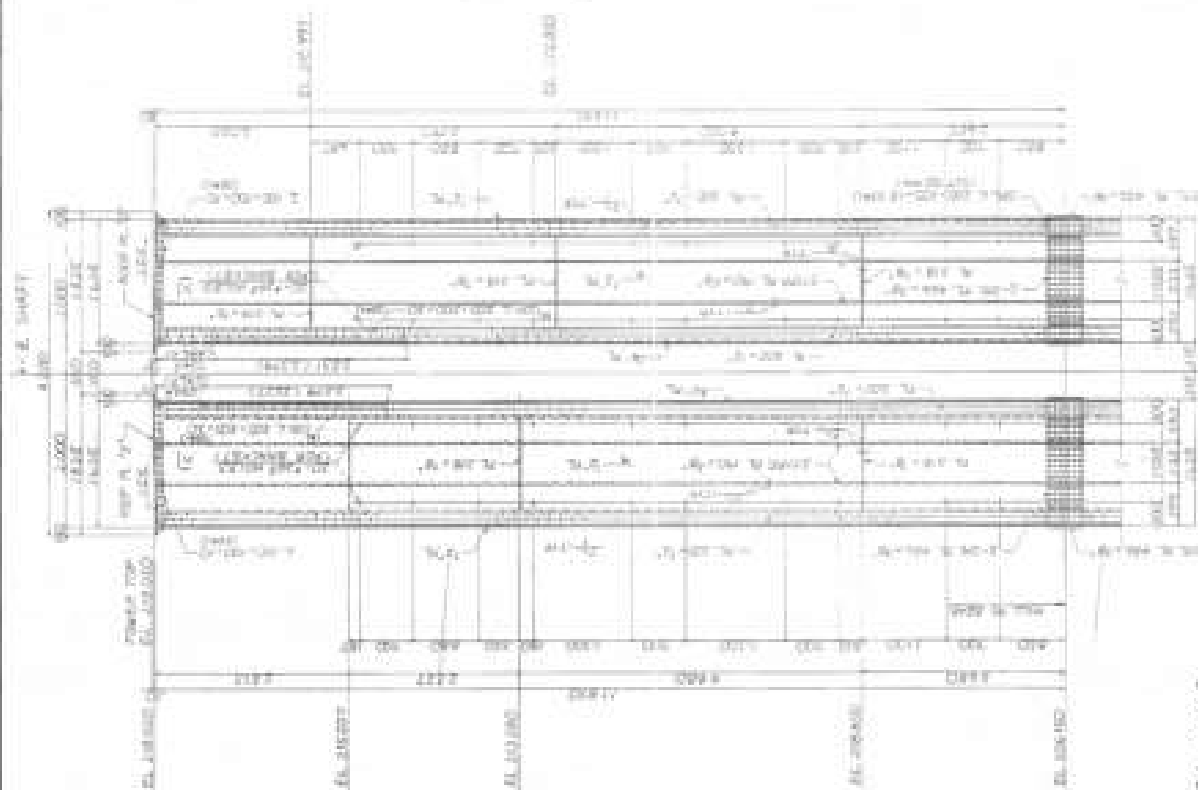
REINFORCEMENT BAR SCHEDULE

NO.	DESCRIPTION	QUANTITY	UNIT	REMARKS
1	REINFORCEMENT BAR	1000	KG	
2	REINFORCEMENT BAR	1000	KG	
3	REINFORCEMENT BAR	1000	KG	
4	REINFORCEMENT BAR	1000	KG	
5	REINFORCEMENT BAR	1000	KG	
6	REINFORCEMENT BAR	1000	KG	
7	REINFORCEMENT BAR	1000	KG	
8	REINFORCEMENT BAR	1000	KG	
9	REINFORCEMENT BAR	1000	KG	
10	REINFORCEMENT BAR	1000	KG	

REINFORCEMENT BAR SCHEDULE

HIS MAJESTY'S GOVERNMENT OF NEPAL	
P.E. TOWER - REINFORCEMENT BAR SCHEDULE	
KARNALI RIVER BRIDGE	
TOWER TOP DETAILS II (1/4)	
STATIONING	10000
SCALE	1:100
DATE	10/10/1990
BY	10/10/1990
CHECKED BY	10/10/1990
APPROVED BY	10/10/1990

HAS PROPERTY'S MOVEMENT OF REPAIR	
PLAN, SPECIFICATION & MATERIALS CONSTRUCTION DEPARTMENT BLDG.	
CANALI RIVER BRIDGE	
TOWER TOP DETAILS II (%)	
STEAMER BRIDGE COMPANY & ENGINEER	
1000 WEST 10TH AVENUE, NEW YORK, N. Y.	
DATE	NO.
1-17-35	1000
1-17-35	1000

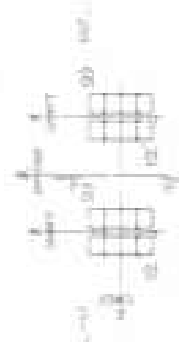


Design: 800-4-LEAD for lead abatement
 (800) 475-5727 for a lead abatement
 contractor
 LEAD: 800-475-5727
 Project Engineer

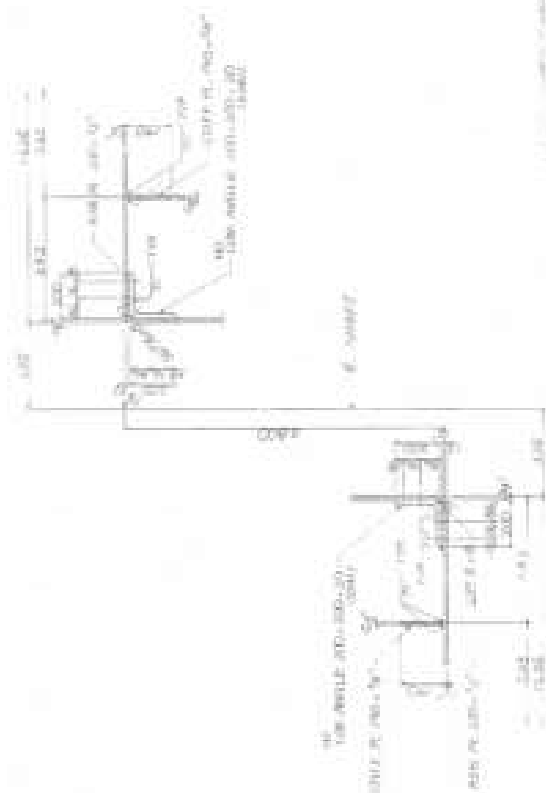
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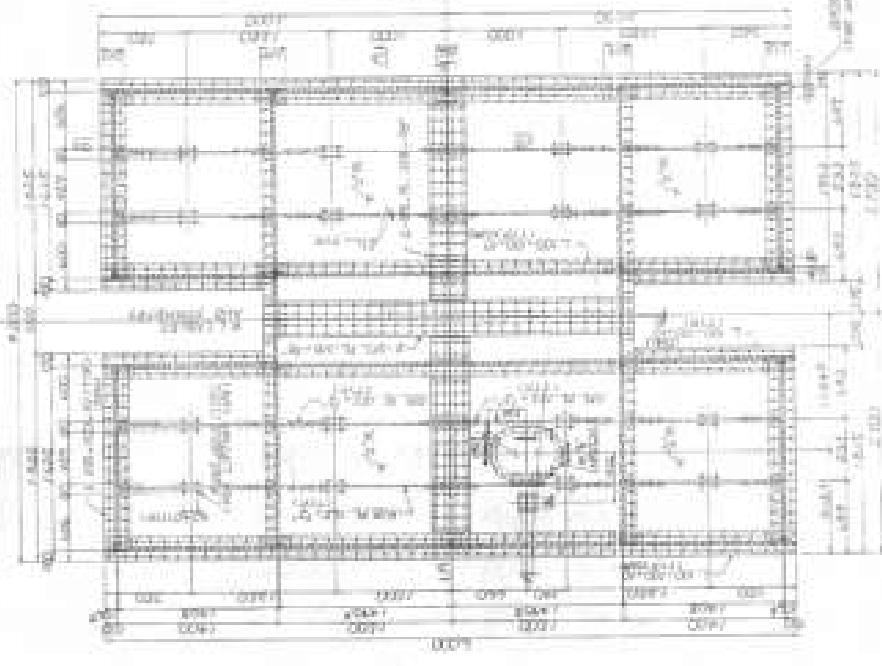


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[illegible][illegible]

1915 MARCH 5 DEPARTURE OF STEAM TUG BOATS - 10:00 AM CANTONMENT (MILITARY)	
CANTONMENT RIVER BRIDGE TOWER TOP DETAILS II (A)	
STEAM TUGBOAT DEPARTURE & ARRIVAL (MILITARY)	
DEPARTURE TUGBOAT 10:00 AM	ARRIVAL TUGBOAT 10:00 AM

PLAN VIEW OF TOWER CHAMPS



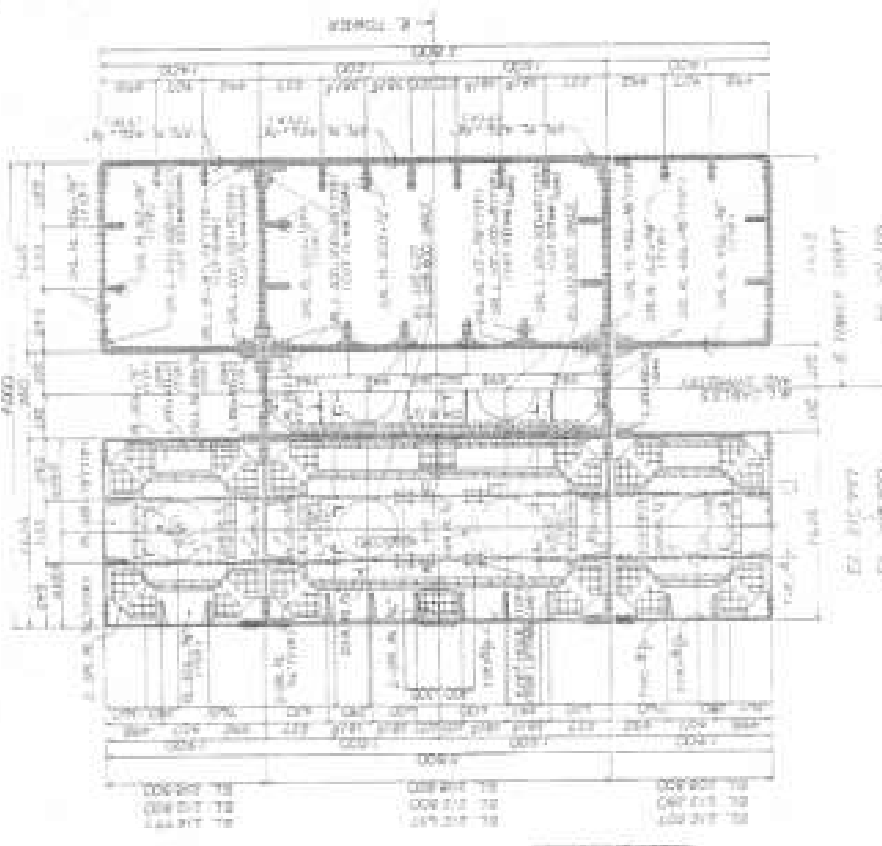
PLAN VIEW OF TOWER CHAMPS



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 DRAWN BY
 CHECKED BY
 APPROVED BY

SECTION A-A

DESIGNED BY
 DRAWN BY
 CHECKED BY
 APPROVED BY



ELEVATION VIEW OF TOWER CHAMPS



DESIGNED BY
 DRAWN BY
 CHECKED BY
 APPROVED BY

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APPROVED BY	1/1/11	1/1/11	1/1/11	1/1/11

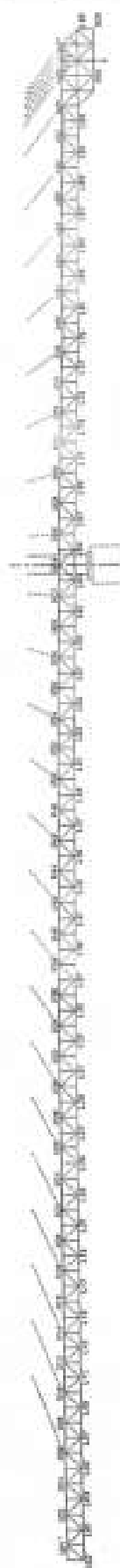
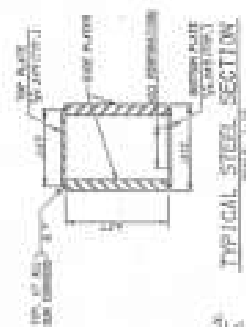
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Age	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100+
Male	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Female	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Source: U.S. Census Bureau, 1990.

Population in millions.

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2
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UNITED STATES GOVERNMENT OF NEW JERSEY	
STATE OF NEW JERSEY - RAILROADS STATE RAILROAD DEPARTMENT - BRIDGES	
RAILROAD RIVER BRIDGE	
TOP CROSS STRESS (SEE LIST)	
STANDARD RAILROAD ENGINEERING & MATERIALS	
PUBLISHED BY THE STATE OF NEW JERSEY	
PRINTED AT	STATE OF NEW JERSEY
NEW JERSEY	NEW JERSEY

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