#3 -

Project Name:
, ON CAN

Architect:
Engineer:
Customer:

Job Type: Lump Sum

ESTIMATED BY CLOUDREBAR TECH
Estimator: CLOUD
Creation Date: 11-03-2026
Last Modified: 20-03-2026
Status: Complete

Escalation: No

Cover Page Comments:

1. TYPE OF REBAR:
   ****
   A. REBAR GRADE 500 BLACK
   B. STAINLESS STAINLESS REINFORCING STEEL SHALL BE TYPE
   316LN, OR DUPLEX 2205 AND HAVE AMINIMUM
   YIELD STRENGTH OF 500 MPa.
   C. GFRP N/A
   D. GALVANIZE N/A
   E. EPOXY COATED N/A
   ****

2. PROJECT SCOPE OF WORK (SOW):
   ****
   2.1 AS SEGMENTED BELOW
   ****

3. MECHANICAL COUPLERS:
   ****
   COUPLERS:
   DIA -- QTY -- COATED
   15M -- 112 PCS -- BLACK
   15M -- 6 PCS -- STAINLESS STEEL
   25M -- 8 PCS -- BLACK

   THREADED BARS:
   BAR DIA - LENGTH IN mm - NOS
   15M - 840 mm - 112 NOS - BLACK
   15M - 840 mm - 6 NOS - STAINLESS STEEL
   25M - 1210 mm - 8 NOS - BLACK
   ****

4. SHEAR HEADS (STUD RAILS):
   ****
   N/A
   ****

5. DRILLING AND GROUTING DOWELS: (QUEBEC)
   ****
   N/A
   ****

6. SMOOTH BARS:
   ****
   N/A
   ****

7. SLAB ON GRADE AND MESH:
   ****
   7.1 REBAR AND/OR MESH: N/A
   7.2 SLAB THICKENING: N/A
   7.3 MESH ABOVE SOG: N/A
   ****

8. MASONRY REINFORCEMENT (ONLY WET DOWELS FOR QUEBEC):
   ****
   8.1 SEGMENT: WET DOWELS FOR MASONRY-INCLUDED : N/A
   8.2 SEGMENT: MASONRY R/F-INCLUDED (SEE ESTIMATE): N/A
   8.3 SEGMENT: NON-LOAD-BEARING WALLS PER STR DWGS: N/A
   8.4 SEGMENT: MASONRY SHOWN IN ARCH DWGS: N/A
   ****

9. SPECIAL INCLUSIONS / NOTES:

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************************************************************
   9.1 STOCK LENGTH DEFAULT
   9.2 DETAILERS:   N/A
   9.3 PLACERS:     N/A
   9.4 PRODUCTION:  N/A
   9.5 SALES:       N/A
   9.6 MILL CERTS REQUIRED WITH LOADS N/A
  9.7 ENGINEER'S STAMP REQUIRED: N/A
   ************************************************************

10. SPECIAL EXCLUSIONS:
    ************************************************************
    10.1 ALL EXTERIOR WORKS ARE EXCLUDED.
    10.2 ANY DWLS IN/OUT FROM PRECAST.
    10.3 ALL PRECAST ELEMENTS ARE EXCLUDED.
    10.4 WELDED DOWELS FROM STEEL STRUCTURES ARE EXCLUDED.
    10.5 ALL CJ BARS ARE EXCLUDED.
    ************************************************************

11. ASSUMPTIONS:
    ************************************************************
   11.1.THE PIER TOP SUPPORT BAR INFORMATION IS NOT CLEAR SO WE ASSUMED 15M@300.ATING
DETAILS BETWEEN THE PLAN AND SECTION SO WE ASSUMED 15M@150 STAINLESS STEEL.OT SHOWN,
SO WE FOLLOWED VERTICAL REBAR SPACING ACCORDINGLY.

   ************************************************************

12. EXTERIORWORK (SEE ESTIMATE SEGMENT FOR WEIGHT & QTY):
    ************************************************************
    N/A
    ************************************************************

13. DETAILING:
    ************************************************************

    ************************************************************

14. TYPE OF WORK:
    ************************************************************
    TYPE OF PROJECT (BRIDGE)
    ************************************************************

15. TOTAL WEIGHT:
    ************************************************************
    INCLUDED SEGMENT WEIGHT:
    BLACK BAR WEIGHT: 114052 KGS..... 114.052 MT
    STAINLESS STEEL BAR WEIGHT: 37486 KGS..... 37.486 MT
    GRAND TOTAL WEIGHT: 151538 KGS..... 151.538 MT

    EXCLUDED SEGMENT WEIGHT:
    BLACK BAR WEIGHT: 498 KGS.....0.498 MT

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Drawing References:

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A. STRUCTURAL DRAWINGS:
S01, S02, S03, S04, S05, S06, S07, S08, S09, S10, S11,S12, S13, S14, S15, S16, S17,
S18, S19, S20, S21, S22, S23, S24, S25, S26, S27,S28, S29, S30, S31, S32, S33, S34 -
ISSUED FOR TENDER - DATED: DEC. 19, 2025

B. SPECIFICATIONS (DIV.03): NOT SEEN

C. TENDER DOCUMENT: NOT SEEN

D. ADDENDUMS LIST AS: N/A

E. REBAR SCOPE IN ARCHITECTURAL,CIVIL,LANDSCAPE,ELETRICAL & MECHNICAL DRAWINGS ARE
NOT SEEN.
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Segment Summary					
Segment	**Rebar Wgt**	**Plain Wgt**	**Misc. Wgt**	**Total (Kgs)**	**Costing**

Included Segments:

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Segment	Rebar Wgt	Plain Wgt	Misc. Wgt	Total (Kgs)	Costing
ITEM NUMBER: I.6.1 - BLACK BAR	**114,052**	**0**	**0**	**114,052**	**No**
WINGWALL	9,727	0	0	9,727	No
PIER	30,552	0	0	30,552	No
ABUTMENT	12,928	0	0	12,928	No
DECK	49,504	0	0	49,504	No
APPROACH SLAB	6,002	0	0	6,002	No
PARAPET WALL	5,339	0	0	5,339	No
ITEM NUMBER: I.6.2 - SS BAR	**37,486**	**0**	**0**	**37,486**	**No**
WING WALL	656	0	0	656	No
PIER	446	0	0	446	No
DECK	9,079	0	0	9,079	No
APPROACH SLAB	1,564	0	0	1,564	No
PARAPET WALL	25,741	0	0	25,741	No
ITEM NUMBER: I.6.3 - BLACK COUPLER	**0**	**0**	**0**	**0**	**No**
ABUTMENT	0	0	0	0	No
DECK	0	0	0	0	No
SS COUPLER - DECK	**0**	**0**	**0**	**0**	**No**
Excluded Segments:					
STANDEE	**498**	**0**	**0**	**498**	**No**
BLACK BAR	498	0	0	498	No

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Estimate Defaults

Size Unit:	Metric	**Building Code:**	ACI 1983
Length Unit:	Millimeters	**Concrete Strength:**	25
Weight Unit:	Kilograms	**Lap Table:**	
Soft Hooks:	No	**Estimating Lap:**	40D
Seismic Hooks:	No	**Steel Manufactured In:**	ANY
		Tie Clearance:	40
		Spiral Clearance:	80
		Spacing Tolerance:	0
Rebar Coating:	Black	**Rebar Grade:**	400
Plain Coating:	Black	**Plain Grade:**	400

Number of lap lengths to extend a stock bar before lapping: 1

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Kgs	Notes
1	GI	Segment: ITEM NUMBER: I.6.1 - BLACK BAR Sub-Segment: WINGWALL																	
2	MT	SOUTHEAST WING WALL : B/ABUT EL: 315.80 - SE EL: 321.289																	
3	MT	REF DWG: S08																	
4	TR	VB		500		5400	300		15M	S	5500	300			Y	40D	9000	87	15M@300 V OF
5	TR	BF		500		2200	300		15M	S	5500							78	15M@300 V OF
6	TR	VB		500		5400	300		15M	S	5500	300			Y	40D	9000	87	15M@300 V IF
7	TR	BF		500		5500	300		15M	H	7600	S90						247	15M@300 H OF
8	TR	BF		500		5500	150		25M	H	7000							1,044	25M@150 H IF
9	TR	BF		500	1			2	20M	S	7600	1000						41	1-20M EF
10	TR	BF		500	1				20M	H	5500	S90						13	1-20M CJ OF
11	TR	BF		500		1400	300		15M	S	5500							52	15M@300 CLEAT
12	MT	BELOW BEARING SEAT																	
13	TR	BF		500		3000	150		25M	H	S90	3750	1000					424	25M@150 CLEAT
14	MT	ABOVE BEARING SEAT																	
15	TR	BF		500		1650	150		25M	H	S90	2250	1000					172	25M@150 CLEAT
16	MT	REF DWG: 3/S08																	
17	TR	LS		500	1				15M	S	7600				1	40D	9000	12	15M CONT
18	MT	NORTH EAST WING WALL- BOT OF ABUTMENT - 317.000 - 322.576																	
19	MT	REF DWG: S08																	
20	TR	VB		500		5400	300		15M	S	5575	300			Y	40D	9000	88	15M@300 V OF
21	TR	BF		500		2200	300		15M	S	5575							79	15M@300 V OF
22	TR	VB		500		5400	300		15M	S	5575	300			Y	40D	9000	88	15M@300 V IF
23	TR	BF		500		5575	300		15M	H	7600	S90						247	15M@300 H OF
24	TR	BF		500		5575	150		25M	H	7000							1,072	25M@150 H IF
25	TR	BF		500	1			2	20M	S	7600	1000						41	1-20M EF
26	TR	BF		500	1				20M	H	5575	S90						14	1-20M CJ OF
27	TR	BF		500		1400	300		15M	S	5575							53	15M@300 CLEAT
28	MT	BELOW BEARING SEAT																	
29	TR	BF		500		3000	150		25M	H	S90	3750	1000					424	25M@150 CLEAT
30	MT	ABOVE BEARING SEAT																	
31	TR	BF		500		1650	150		25M	H	S90	2250	1000					172	25M@150 CLEAT
32	MT	REF DWG: 3/S08																	
33	TR	LS		500	1				15M	S	7600				1	40D	9000	12	15M CONT
34	MT	SOUTHWEST WING WALL : B/ABUT EL: 315.80 - SE EL: 321.196																	
35	MT	REF DWG: S09																	
36	TR	VB		500		5400	300		15M	S	5400	300			Y	40D	9000	85	15M@300 V OF
37	TR	BF		500		2200	300		15M	S	5400							76	15M@300 V OF
38	TR	BF		500		5400	300		15M	S	4650							139	15M@300 V IF
39	TR	BF		500		5400	300		15M	H	7600	S90						234	15M@300 H OF
40	TR	BF		500		5400	150		30M	H	7000							1,423	30M@150 H IF
41	TR	BF		500	1			2	20M	S	7000	600						36	1-20M EF
42	TR	BF		500	1				20M	H	7600	S90						18	1-20M CJ OF
43	TR	BF		500		1400	300		15M	S	5400							51	15M@300 CLEAT
44	MT	BELOW BEARING SEAT																	
45	TR	BF		500		3000	150		30M	H	S90	3750	1000					606	30M@150 CLEAT
46	MT	ABOVE BEARING SEAT																	
47	TR	BF		500		1650	150		30M	H	S90	2250	1000					247	30M@150 CLEAT
48	MT	REF DWG: 3/S08																	
49	TR	LS		500	1				15M	S	7600				1	40D	9000	12	15M CONT
50	MT	NORTH WEST WING WALL- BOT OF ABUTMENT - 317.000 - 322.506																	
51	MT	REF DWG: S08																	
52	TR	VB		500		5400	300		15M	S	5500	300			Y	40D	9000	87	15M@300 V OF
53	TR	BF		500		2200	300		15M	S	5500							78	15M@300 V OF
54	TR	VB		500		5400	300		15M	S	5500	300			Y	40D	9000	87	15M@300 V IF
55	TR	BF		500		5500	300		15M	H	7600	S90						247	15M@300 H OF
56	TR	BF		500		5500	150		25M	H	7000							1,044	25M@150 H IF
57	TR	BF		500	1			2	20M	S	7600	1000						41	1-20M EF
58	TR	BF		500	1				20M	H	5500	S90						13	1-20M CJ OF
59	TR	BF		500		1400	300		15M	S	5500							52	15M@300 CLEAT

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Kgs	Notes
60	MT	BELOW BEARING SEAT																	
61	TR	BF		500		3000	150		25M	H	S90	3750	1000					424	25M@150 CLEAT
62	MT	ABOVE BEARING SEAT																	
63	TR	BF		500		1650	150		25M	H	S90	2250	1000					172	25M@150 CLEAT
64	MT	REF DWG: 3/S08																	
65	TR	LS		500	1				15M	S	7600				1	40D	9000	12	15M CONT
66	GI	Segment: ITEM NUMBER: I.6.2 - SS BAR Sub-Segment: WING WALL																	
67	MT	SOUTHEAST WING WALL : B/ABUT EL: 315.80 - SE EL: 321.289																	
68	MT	REF DWG: S08																	
69	TR	LS		S500	1				15M	S	7600				1	40D	9000	12	S-15M PARAPET
70	TR	LS		S500	1			2	15M	S	7600				1	40D	9000	24	S-15M EF
71	TR	LS		S500	1				15M	S	7600				1	40D	9000	12	S-15M OF
72	TR	BF		S500		4200	300		10M	L	750	640	450	370				26	S10M@300
73	TR	BF		S500	8				10M	L	750	640	450	370				14	S10M@150 OF
74	TR	BF		S500		4200	300		15M	H	370	600	750					41	S15M@300 IF
75	TR	BF		S500	8				15M	H	370	600	750					22	S15M@150 IF
76	TR	BF		S500		4200	300		15M	H	750	640						33	S15M@300 IF
77	TR	BF		S500	8				15M	H	750	640						17	S15M@150 IF
78	MT	SOUTHWEST WING WALL : B/ABUT EL: 315.80 - SE EL: 321.196																	
79	MT	REF DWG: S09																	
80	TR	LS		S500	1				15M	S	7600				1	40D	9000	12	S-15M PARAPET
81	TR	LS		S500	2				15M	S	7600				1	40D	9000	24	S-15M OF
82	TR	LS		S500	1				15M	S	7600				1	40D	9000	12	S-15M IF
83	TR	BF		S500		4200	300		15M	H	750	640						33	S15M@300 IF
84	TR	BF		S500	8				15M	H	750	640						17	S15M@150 IF
85	TR	BF		S500		4200	300		10M	L	640	350	640					19	S10M@300 OF
86	TR	BF		S500	8				10M	L	640	350	640					10	S10M@150 OF
87	MT	NORTH EAST WING WALL- BOT OF ABUTMENT - 317.000 - 322.576																	
88	TR	LS		S500	1				15M	S	7600				1	40D	9000	12	S-15M PARAPET
89	TR	LS		S500	1			2	15M	S	7600				1	40D	9000	24	S-15M EF
90	TR	LS		S500	1				15M	S	7600				1	40D	9000	12	S-15M OF
91	TR	BF		S500		4200	300		10M	L	750	640	450	370				26	S10M@300
92	TR	BF		S500	8				10M	L	750	640	450	370				14	S10M@150 OF
93	TR	BF		S500		4200	300		15M	H	370	600	750					41	S15M@300 IF
94	TR	BF		S500	8				15M	H	370	600	750					22	S15M@150 IF
95	TR	BF		S500		4200	300		15M	H	750	640						33	S15M@300 IF
96	TR	BF		S500	8				15M	H	750	640						17	S15M@150 IF
97	MT	NORTH WEST WING WALL- BOT OF ABUTMENT - 317.000 - 322.506																	
98	TR	LS		S500	1				15M	S	7600				1	40D	9000	12	S-15M PARAPET
99	TR	LS		S500	1			2	15M	S	7600				1	40D	9000	24	S-15M EF
100	TR	LS		S500	1				15M	S	7600				1	40D	9000	12	S-15M OF
101	TR	BF		S500		4200	300		15M	H	750	640						33	S15M@300 IF
102	TR	BF		S500	8				15M	H	750	640						17	S15M@150 IF
103	TR	BF		S500		4200	300		10M	L	640	350	640					19	S10M@300 OF
104	TR	BF		S500	8				10M	L	640	350	640					10	S10M@150 OF
105	GI	Segment: ITEM NUMBER: I.6.1 - BLACK BAR Sub-Segment: PIER																	
106	MT	NORTH PIER - REF DWG: S10 & S05 REBAR																	
107	MT	PIER FTG																	
108	TR	BF		500	4			2	30M	H	40D	4200	40D					290	B EE SW
109	TR	BF		500	4			2	20M	H	40D	4200	40D					109	T EE SW
110	TR	BF		500	8			5	30M	H	40D	4200	40D					1,451	B PILE TYP SW
111	TR	BF		500	8			5	20M	H	40D	4200	40D					543	B PILE TYP SW
112	TR	BF		500	1			4	20M	H	40D	4200	40D					54	B PILE TYP SW
113	TR	BF		500	24				25M	H	40D	9100	80D	40D				1,238	24-25M B LW
114	TR	BF		500		1400	200		20M	H	40D	9100	80D	40D				230	T LW
115	TR	BF		500		1400	200		20M	H	40D	9100	80D	40D				230	T LW
116	TR	BF		500		1200	200	2	20M	H	40D	2500						108	T LW ES
117	TR	LS		500		1200	200	2	20M	S	9100				1	40D	9000	300	H EF
118	MT	NORTH PIER - REF DWG: S10 & S11 REBAR																	

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Kgs	Notes
119	MT	PIER DWLS																	
120	TR	BF		500		6000	150	2	30M	H	S90	1200	40D					1,307	DWLS EF 30M@150
121	TR	BF		500	9			2	30M	H	S90	1200	40D					287	DWLS EF 30M@150
122	MT	NORTH PIER - REF DWG: S10 & S11 REBAR																	
123	MT	PIER - TOF: 315.000 - 317.843																	
124	TR	BF		500		6000	150	2	30M	H	2850	900	S90					1,915	VER EF 30M@150
125	TR	BF		500	9			2	30M	H	2850	900	S90					420	VER EF 30M@150
126	TR	LS		500		2850	300	2	15M	S	6000				1	40D	9000	207	H EF 15M@300
127	TR	BF		500		2850	300	2	15M	H	1000	1200	1000	600	600			152	U BAR EE
128	TR	BF		500		4000	300	5*2	15M	H	S180	40D						193	J BAR EE
129	TR	BF		500	275				15M	L	S90	1200	S135					639	TIES
130	MT	TOP PORTION																	
131	TR	LS		500	2				15M	S	14100				1	40D	9000	46	2-15 EF
132	TR	LS		500	6				15M	H	16860	1000	1000	40D	1	40D	9000	196	6-15M CONT BOT
133	TR	LS		500	5			2	15M	H	14100	1200	1200	40D	1	40D	9000	279	5-15M HOR EF
134	TR	TA		500	12			2	20M	L	1000	1500		40	0			289	TIES 12-20M ES
135	TR	TA		500	15			2	20M	L	1950	1500		40	0			496	TIES 15-20M ES
136	TR	TA		500	15			2	20M	L	1950	865		40	0			406	TIES 15-20M ES
137	TR	TA		500		6000	300		20M	L	2010	1500		40	0			353	TIES 20M@300
138	TR	LS		500	10				25M	S	14100			40D	1	40D	9000	633	10M-25 3RD LAYER
139	TR	LS		500	10				35M	S	14100			40D	1	40D	9000	1,331	10M-35M 2ND LAYER
140	TR	LS		500	10				35M	H	14100	S90	S90	40D	1	40D	9000	1,426	10M-35M 1STLAYER
141	TR	BF		500		14100	300	2	15M	H	1500	S90	S90					304	SUPPORT BAR 15M 2
142	MT	SOUTH PIER - REF DWG: S10 & S05 REBAR																	
143	MT	PIER FTG																	
144	TR	BF		500	4			2	30M	H	40D	4200	40D					290	B EE SW
145	TR	BF		500	4			2	20M	H	40D	4200	40D					109	T EE SW
146	TR	BF		500	8			5	30M	H	40D	4200	40D					1,451	B PILE TYP SW
147	TR	BF		500	8			5	20M	H	40D	4200	40D					543	B PILE TYP SW
148	TR	BF		500	1			4	20M	H	40D	4200	40D					54	B PILE TYP SW
149	TR	BF		500	24				25M	H	40D	9100	80D	40D				1,238	24-25M B LW
150	TR	BF		500		1400	200		20M	H	40D	9100	80D	40D				230	T LW
151	TR	BF		500		1400	200		20M	H	40D	9100	80D	40D				230	T LW
152	TR	BF		500		1200	200	2	20M	H	40D	2500						108	T LW ES
153	TR	LS		500		1200	200	2	20M	S	9100				1	40D	9000	300	H EF
154	MT	SOUTH PIER - REF DWG: S10 & S11 REBAR																	
155	MT	PIER DWLS																	
156	TR	BF		500		6000	150	2	30M	H	S90	1200	40D					1,307	DWLS EF 30M@150
157	TR	BF		500	9			2	30M	H	S90	1200	40D					287	DWLS EF 30M@150
158	MT	SOUTH PIER - REF DWG: S10 & S11 REBAR																	
159	MT	PIER - TOF: 315.000 - 317.383																	
160	TR	BF		500		6000	150	2	30M	H	2400	900	S90					1,712	VER EF 30M@150
161	TR	BF		500	9			2	30M	H	2400	900	S90					376	VER EF 30M@150
162	TR	LS		500		2400	300	2	15M	S	6000				1	40D	9000	170	H EF 15M@300
163	TR	BF		500		2400	300	2	15M	H	1000	1200	1000	600	600			124	U BAR EE
164	TR	BF		500		4000	300	5*2	15M	H	S180	40D						193	J BAR EE
165	TR	BF		500	275				15M	L	S90	1200	S135					639	TIES
166	MT	TOP PORTION																	
167	TR	LS		500	2				15M	S	14100				1	40D	9000	46	2-15 EF
168	TR	LS		500	6				15M	H	16860	1000	1000	40D	1	40D	9000	196	6-15M CONT BOT
169	TR	LS		500	5			2	15M	H	14100	1200	1200	40D	1	40D	9000	279	5-15M HOR EF
170	TR	TA		500	12			2	20M	L	1000	1500		40	0			289	TIES 12-20M ES
171	TR	TA		500	15			2	20M	L	1950	1500		40	0			496	TIES 15-20M ES
172	TR	TA		500	15			2	20M	L	1950	865		40	0			406	TIES 15-20M ES
173	TR	TA		500		6000	300		20M	L	2010	1500		40	0			353	TIES 20M@300
174	TR	LS		500	10				25M	S	14100			40D	1	40D	9000	633	10M-25 3RD LAYER
175	TR	LS		500	10				35M	S	14100			40D	1	40D	9000	1,331	10M-35M 2ND LAYER
176	TR	LS		500	10				35M	H	14100	S90	S90	40D	1	40D	9000	1,426	10M-35M 1STLAYER
177	TR	BF		500		14100	300	2	15M	H	1500	S90	S90					304	SUPPORT BAR 15M 2

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Kgs	Notes
178	GI	Segment: ITEM NUMBER: I.6.2 - SS BAR Sub-Segment: PIER																	
179	MT	NORTH BEARING PEDESTAL - A/S11 - 6 LOC																	
180	TR	BF		S500	5			6	15M	H	40D	800	40D					98	5-S15M
181	TR	BF		S500	4			6	15M	H	40D	1100	40D					90	4-S15M
182	TR	TA		S500	1			6	15M	L	800	1100		40	0			35	S15M TIES
183	MT	SOUTH BEARING PEDESTAL - A/S11 - 6 LOC																	
184	TR	BF		S500	5			6	15M	H	40D	800	40D					98	5-S15M
185	TR	BF		S500	4			6	15M	H	40D	1100	40D					90	4-S15M
186	TR	TA		S500	1			6	15M	L	800	1100		40	0			35	S15M TIES
187	GI	Segment: ITEM NUMBER: I.6.1 - BLACK BAR Sub-Segment: ABUTMENT																	
188	MT	NORTH ABUTMENT																	
189	MT	REF DWG: S06 & S07																	
190	TR	BF		500		14630	300		15M	H	40D	1200	40D					195	15M@300 B/W PILE
191	TR	LS		500	4				25M	S	14630				1	40D	9000	246	4-25M BOT CONT
192	TR	LS		500	4			2	25M	H	2000			600	1	40D	9000	82	4-25M BOT L BAR ES
193	TR	BF		500	4				25M	S	200	40D						19	TH BAR 4-25M BOT
194	TR	BF		500		600	150	2	15M	H	S90	1200	S90					27	15M@150 EE
195	TR	LS		500		600	150	2	15M	S	14630				1	40D	9000	240	15M@150 EF
196	TR	BF		500		600	150	2	15M	S	200	40D						13	15M@150 TH BAR EF
197	TR	LS		500	3			2	15M	S	14630				1	40D	9000	144	3-15M ES OF PILE
198	TR	BF		500	3			2	15M	S	150	40D						7	TH BAR 3-15M
199	MT	N EL: 317.000 - EL: 320.718 +1470mm																	
200	MT	REF SEC: 2/S07																	
201	TR	BF		500		14630	150		30M	S	5200							2,829	30M@150 V IF
202	TR	BF		500		11130	150		20M	S	5200							931	20M@150 V OF
203	TR	BF		500		3718	150		20M	S	3750							230	20M@150 V IF
204	TR	LS		500		3718	300	2	15M	S	14630				1	40D	9000	671	15M@300 H EF
205	TR	BF		500		3718	300	2	15M	S	200	40D						37	TH BAR 15M@300 H
206	TR	LS		500	4				15M	S	14630				1	40D	9000	96	4-15M T CONT
207	TR	BF		500	4				15M	S	200	40D						5	TH BAR
208	TR	BF		500	4			2	15M	H	40D	S90						11	4-15M L BAR TOP
209	TR	BF		500		14630	300		15M	H	S90	1200	S90					135	15M@300 T U BAR
210	TR	BF		500		3718	300	2	20M	H	S90	1200	S90					108	20M@300 EE U BAR
211	TR	BF		500	2				15M	H	700	300						3	2-15M
212	TR	BF		500	2				15M	S	800							3	CONT
213	MT	HILEY PILE - 10 LOC																	
214	TR	BF		500	3			10*2	15M	S	1200	800	1200					301	3-15M U BAR ES
215	MT	CONC BEARING PADESTAL - 6 LOC																	
216	TR	BF		500	4			6	15M	H	40D	700	40D					75	4-15M U BAR
217	TR	BF		500	3			6	15M	H	40D	600	40D					53	3-15M U BAR
218	MT	SOUTH ABUTMENT																	
219	MT	REF DWG: S06 & S07																	
220	TR	BF		500		14630	300		15M	H	40D	1200	40D					195	15M@300 B/W PILE
221	TR	LS		500	4				25M	S	14630				1	40D	9000	246	4-25M BOT CONT
222	TR	LS		500	4			2	25M	H	2000			600	1	40D	9000	82	4-25M BOT L BAR ES
223	TR	BF		500	4				25M	S	200	40D						19	TH BAR 4-25M BOT
224	TR	BF		500		600	150	2	15M	H	S90	1200	S90					27	15M@150 EE
225	TR	LS		500		600	150	2	15M	S	14630				1	40D	9000	240	15M@150 EF
226	TR	BF		500		600	150	2	15M	S	200	40D						13	15M@150 TH BAR EF
227	TR	LS		500	3			2	15M	S	14630				1	40D	9000	144	3-15M ES OF PILE
228	TR	BF		500	3			2	15M	S	150	40D						7	TH BAR 3-15M
229	MT	S EL: 315.80 - EL: 319.553 +1470mm																	
230	MT	REF SEC: 2/S07																	
231	TR	BF		500		14630	150		30M	S	5200							2,829	30M@150 V IF
232	TR	BF		500		11130	150		20M	S	5200							931	20M@150 V OF
233	TR	BF		500		3753	150		20M	S	3750							238	20M@150 V IF
234	TR	LS		500		3753	300	2	15M	S	14630				1	40D	9000	671	15M@300 H EF
235	TR	BF		500		3753	300	2	15M	S	200	40D						37	TH BAR 15M@300 H
236	TR	LS		500	4				15M	S	14630				1	40D	9000	96	4-15M T CONT

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Kgs	Notes
237	TR	BF		500	4				15M	S	200	40D						5	TH BAR
238	TR	BF		500	4			2	15M	H	40D	S90						11	4-15M L BAR TOP
239	TR	BF		500		14630	300		15M	H	S90	1200	S90					135	15M@300 T U BAR
240	TR	BF		500		3753	300	2	20M	H	S90	1200	S90					108	20M@300 EE U BAR
241	TR	BF		500	2				15M	H	700	300						3	2-15M
242	TR	BF		500	2				15M	S	800							3	CONT
243	MT	HILEY PILE - 10 LOC																	
244	TR	BF		500	3			10*2	15M	S	1200	800	1200					301	3-15M U BAR ES
245	MT	CONC BEARING PADESTAL - 6 LOC																	
246	TR	BF		500	4			6	15M	H	40D	700	40D					75	4-15M U BAR
247	TR	BF		500	3			6	15M	H	40D	600	40D					53	3-15M U BAR
248	GI	Segment: ITEM NUMBER: I.6.1 - BLACK BAR Sub-Segment: DECK																	
249	MT	NORTH SPAN																	
250	MT	REF DWG: 2/S19																	
251	TR	LS		500		1850	300		15M	S	14630				1	40D	9000	192	15M@300 CONT
252	TR	BF		500		1850	300		15M	S	200	40D						11	TH BAR
253	TR	LS		500	1				15M	S	14630				1	40D	9000	24	15M CONT HAUNCH
254	MT	REF DWG: 5/S20																	
255	TR	LS		500	5				15M	S	58500				1	40D	9000	489	5-15M CONT
256	TR	LS		500	1				15M	S	58500				1	40D	9000	98	1-15M PARAPET
257	MT	REF DWG: 5/S20 AT SIDE WALK																	
258	TR	LS		500	2				15M	S	58500				1		9000	184	2-15M CONT
259	MT	REF DWG: 5/S20 AT DECK																	
260	TR	LS		500		58500	300		15M	S	14630				1	40D	9000	4,699	BLL 15M@300
261	TR	LS		500		14630	300		15M	S	58500				1	40D	9000	4,894	BUL 15M@300
262	TR	LS		500		14630	300		15M	H	34750				1	40D	9000	2,929	TLL 15M@300
263	TR	LS		500		14630	150		15M	H	7750			1850	1	40D	9000	1,492	TLL 15M@150
264	TR	LS		500		58500	300		15M	S	14630				1	40D	9000	4,699	TUL 15M@300
265	TR	LS		500		14630	300		20M	S	16000				1	40D	9000	1,976	20M ALT 150 TOP
266	TR	LS		500		58500	300		20M	S	3600				1	40D	9000	1,662	20M ALT 300 TOP
267	MT	DET A: S19 - CJ																	
268	TR	LS		500		58500	300		15M	S	40D				1	40D	9000	197	BLL CJ LAP
269	TR	LS		500		14630	300		15M	S	40D				1	40D	9000	50	BUL CJ LAP
270	TR	LS		500		14630	300		15M	S	40D				1	40D	9000	50	TLL CJ LAP
271	TR	LS		500		58500	300		15M	S	40D				1	40D	9000	197	TUL CJ LAP
272	MT	GRIDER																	
273	MT	REF DWG: 1/S19																	
274	TR	LS		500	2				20M	S	14630				1	40D	9000	73	2-20M CONT PIER
275	TR	BF		500		14630	300		15M	H	40D	675	600	675	40D			254	15M@300
276	TR	LS		500	2				20M	S	14630				1	40D	9000	73	2-20M CONT U/S G
277	TR	BF		500		1850	300	2	20M	H	S90	1500	S90					73	20M@300 EE
278	TR	LS		500		1850	300		20M	S	14630				1	40D	9000	290	20M@300 B/W
279	TR	BF		500		1850	300	6	20M	S	1300							147	20M DWLS OIN
280	MT	SOUTH SPAN																	
281	MT	REF DWG: 2/S19																	
282	TR	LS		500		1850	300		15M	S	14630				1	40D	9000	192	15M@300 CONT
283	TR	BF		500		1850	300		15M	S	200	40D						11	TH BAR
284	TR	LS		500	1				15M	S	14630				1	40D	9000	24	15M CONT HAUNCH
285	MT	REF DWG: 5/S20																	
286	TR	LS		500	5				15M	S	58500				1	40D	9000	489	5-15M CONT
287	TR	LS		500	1				15M	S	58500				1	40D	9000	98	1-15M PARAPET
288	MT	REF DWG: 5/S20 AT SIDE WALK																	
289	TR	LS		500	2				15M	S	58500				1		9000	184	2-15M CONT
290	MT	REF DWG: 5/S20 AT DECK																	
291	TR	LS		500		58500	300		15M	S	14630				1	40D	9000	4,699	BLL 15M@300
292	TR	LS		500		14630	300		15M	S	58500				1	40D	9000	4,894	BUL 15M@300
293	TR	LS		500		14630	300		15M	H	34750				1	40D	9000	2,929	TLL 15M@300
294	TR	LS		500		14630	150		15M	H	7750			1850	1	40D	9000	1,492	TLL 15M@150
295	TR	LS		500		58500	300		15M	S	14630				1	40D	9000	4,699	TUL 15M@300

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Kgs	Notes
296	TR	LS		500		14630	300		20M	S	16000				1	40D	9000	1,976	20M ALT 150 TOP
297	TR	LS		500		58500	300		20M	S	3600				1	40D	9000	1,662	20M ALT 300 TOP
298	MT	DET A: S19 - CJ																	
299	TR	LS		500		58500	300		15M	S	40D				1	40D	9000	197	BLL CJ LAP
300	TR	LS		500		14630	300		15M	S	40D				1	40D	9000	50	BUL CJ LAP
301	TR	LS		500		14630	300		15M	S	40D				1	40D	9000	50	TLL CJ LAP
302	TR	LS		500		58500	300		15M	S	40D				1	40D	9000	197	TUL CJ LAP
303	MT	GRIDER																	
304	MT	REF DWG: 1/S19																	
305	TR	LS		500	2				20M	S	14630				1	40D	9000	73	2-20M CONT PIER
306	TR	BF		500		14630	300		15M	H	40D	675	600	675	40D			254	15M@300
307	TR	LS		500	2				20M	S	14630				1	40D	9000	73	2-20M CONT U/S G
308	TR	BF		500		1850	300	2	20M	H	S90	1500	S90					73	20M@300 EE
309	TR	LS		500		1850	300		20M	S	14630				1	40D	9000	290	20M@300 B/W
310	TR	BF		500		1850	300	6	20M	S	1300							147	20M DWLS OIN
311	GI	Segment: ITEM NUMBER: I.6.2 - SS BAR Sub-Segment: DECK																	
312	MT	NORTH SPAN																	
313	MT	REF DWG: 5/S20 AT SIDE WALK																	
314	TR	BF		S500		58500	300		15M	H	1350	450						554	15M@300 L BOT BAR
315	MT	REF DWG: 2/S19																	
316	TR	LS		S500	3				15M	S	14630				1	40D	9000	72	3-S15M CONT
317	TR	BF		S500	3				15M	S	200	40D						4	TH BAR
318	TR	BF		S500		14630	150		15M	H	S90	350	450	40D				264	S15M@150
319	TR	BF		S500		14630	150		15M	H	40D	350	S180					182	S15M@150
320	TR	BF		S500		14630	150		15M	H	40D	40D						199	S15M@300 DWLS
321	MT	REF DWG: 5/S20																	
322	TR	LS		S500	2				15M	S	58500				1	40D	9000	196	2-S15M CONT
323	TR	BF		S500		14630	300		15M	H	1300	S90						122	S15M@300 BOT L
324	TR	BF		S500		14630	300		15M	H	175	S90	1300	1950				289	S15M@300 TOP ALT
325	MT	REF DWG: 5/S20 AT SIDE WALK																	
326	TR	LS		S500	3				15M	S	58500			40D	1	40D	9000	297	3-S15M CONT
327	TR	LS		S500		2470	300		15M	S	58500			40D	1	40D	9000	989	S15M@300 TOP MUP
328	TR	BF		S500		58500	300		15M	H	40D	450	S90					415	S15M@300 Z BAR
329	TR	BF		S500		58500	300		15M	S	2470	450						899	S15M@300 TOP MUP
330	MT	SOUTH SPAN																	
331	MT	REF DWG: 5/S20 AT SIDE WALK																	
332	TR	BF		S500		58500	300		15M	H	1350	450						554	15M@300 L BOT BAR
333	MT	REF DWG: 2/S19																	
334	TR	LS		S500	3				15M	S	14630				1	40D	9000	72	3-S15M CONT
335	TR	BF		S500	3				15M	S	200	40D						4	TH BAR
336	TR	BF		S500		14630	150		15M	H	S90	350	450	40D				264	S15M@150
337	TR	BF		S500		14630	150		15M	H	40D	350	S180					182	S15M@150
338	TR	BF		S500		14630	150		15M	H	40D	40D						199	S15M@300 DWLS
339	MT	REF DWG: 5/S20																	
340	TR	LS		S500	2				15M	S	58500				1	40D	9000	196	2-S15M CONT
341	TR	BF		S500		14630	300		15M	H	1300	S90						122	S15M@300 BOT L
342	TR	BF		S500		14630	300		15M	H	175	S90	1300	1950				289	S15M@300 TOP ALT
343	MT	REF DWG: 5/S20 AT SIDE WALK																	
344	TR	LS		S500	3				15M	S	58500			40D	1	40D	9000	297	3-S15M CONT
345	TR	LS		S500		2470	300		15M	S	58500			40D	1	40D	9000	989	S15M@300 TOP MUP
346	TR	BF		S500		58500	300		15M	S	40D	450	40D					532	S15M@300 Z BAR
347	TR	BF		S500		58500	300		15M	S	2470	450						899	S15M@300 TOP MUP
348	GI	Segment: ITEM NUMBER: I.6.1 - BLACK BAR Sub-Segment: APPROACH SLAB																	
349	MT	SOUTH APPROACH SLAB - REF DWG: S25																	
350	MT	M.U.P SLAB																	
351	TR	BF		500		1878	150		20M	S	6600							218	20M@150 BLL
352	TR	BF		500		6600	300		15M	H	500	1875	500					104	15M@300 BUL
353	TR	BF		500	3				15M	S	1878							9	SW
354	MT	BURIED SLAB																	

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Kgs	Notes
355	TR	LS		500		12050	150		20M	S	6000				1	40D	9000	1,159	20M@150 BLL
356	TR	LS		500		6000	300		15M	S	12050				1	40D	9000	418	15M@300 BUL
357	TR	LS		500		6000	300		15M	S	12050				1	40D	9000	418	15M@300 TLL
358	TR	LS		500		12050	300		20M	S	6000				1	40D	9000	593	20M@300 TUL
359	TR	LS		500	4				15M	S	12050				1	40D	9000	80	4-15M CONT BOT
360	MT	NORTH APPROACH SLAB - REF DWG: S25																	
361	MT	M.U.P SLAB																	
362	TR	BF		500		1878	150		20M	S	6600							218	20M@150 BLL
363	TR	BF		500		6600	300		15M	H	500	1875	500					104	15M@300 BUL
364	TR	BF		500	3				15M	S	1878							9	SW
365	MT	BURIED SLAB																	
366	TR	LS		500		12050	150		20M	S	6000				1	40D	9000	1,159	20M@150 BLL
367	TR	LS		500		6000	300		15M	S	12050				1	40D	9000	418	15M@300 BUL
368	TR	LS		500		6000	300		15M	S	12050				1	40D	9000	418	15M@300 TLL
369	TR	LS		500		12050	300		20M	S	6000				1	40D	9000	593	20M@300 TUL
370	TR	LS		500	4				15M	S	12050				1	40D	9000	80	4-15M CONT BOT
371	GI	Segment: ITEM NUMBER: I.6.2 - SS BAR Sub-Segment: APPROACH SLAB																	
372	MT	SOUTH APPROCAH SLAB - REF DWG: S25																	
373	MT	M.U.P SLAB																	
374	TR	BF		S500		1878	300		15M	S	6000							75	S15M@300 TLL
375	TR	BF		S500		6000	300		15M	H	500	1875	500					95	S15M@300 TUL
376	TR	LS		S500	1				15M	S	6000				1	40D	9000	9	S15M - CONT
377	TR	BF		S500		1878	300		15M	S	40D	225	40D					19	S15M@300 SIDE U
378	MT	BURIED SLAB																	
379	TR	LS		S500	5				15M	S	12050				1	40D	9000	100	5-S15M TOP
380	TR	LS		S500	1				15M	S	12050				1	40D	9000	20	1-S15M CONT
381	TR	BF		S500		12050	150		15M	H	800	500	500					232	S15M@150 SIDE U
382	TR	BF		S500		12050	150		15M	H	800	500	500					232	S15M@150 TOP Z
383	MT	NORTH APPROCAH SLAB - REF DWG: S25																	
384	MT	M.U.P SLAB																	
385	TR	BF		S500		1878	300		15M	S	6000							75	S15M@300 TLL
386	TR	BF		S500		6000	300		15M	H	500	1875	500					95	S15M@300 TUL
387	TR	LS		S500	1				15M	S	6000				1	40D	9000	9	S15M - CONT
388	TR	BF		S500		1878	300		15M	S	40D	225	40D					19	S15M@300 SIDE U
389	MT	BURIED SLAB																	
390	TR	LS		S500	5				15M	S	12050				1	40D	9000	100	5-S15M TOP
391	TR	LS		S500	1				15M	S	12050				1	40D	9000	20	1-S15M CONT
392	TR	BF		S500		12050	150		15M	H	800	500	500					232	S15M@150 SIDE U
393	TR	BF		S500		12050	150		15M	H	800	500	500					232	S15M@150 TOP Z
394	GI	Segment: ITEM NUMBER: I.6.3 - BLACK COUPLER Sub-Segment: ABUTMENT																	
395	MT	NORTH ABUTMENT																	
396	MT	REF DWG: S06 & S07																	
397	TI	Pcs			4				CONNECTOR - 25M - BLACK									0	
398	TI	Pcs			10				CONNECTOR - 15M - BLACK									0	
399	TI	Pcs			6				CONNECTOR - 15M - BLACK									0	
400	MT	N EL: 317.000 - EL: 320.718 +1470mm																	
401	MT	REF SEC: 2/S07																	
402	TI	Pcs			28				CONNECTOR - 15M - BLACK									0	
403	TI	Pcs			4				CONNECTOR - 15M - BLACK									0	
404	MT	SOUTH ABUTMENT																	
405	MT	REF DWG: S06 & S07																	
406	TI	Pcs			4				CONNECTOR - 25M - BLACK									0	
407	TI	Pcs			10				CONNECTOR - 15M - BLACK									0	
408	TI	Pcs			6				CONNECTOR - 15M - BLACK									0	
409	MT	N EL: 317.000 - EL: 320.718 +1470mm																	
410	MT	REF SEC: 2/S07																	
411	TI	Pcs			28				CONNECTOR - 15M - BLACK									0	
412	TI	Pcs			4				CONNECTOR - 15M - BLACK									0	
413	GI	Segment: ITEM NUMBER: I.6.3 - BLACK COUPLER Sub-Segment: DECK																	

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#3 -

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Kgs	Notes
414	MT	DECK NORTH SPAN																	
415	MT	REF DWG: 2/S19																	
416	TI	Pcs			8				CONNECTOR - 15M - BLACK									0	
417	MT	DECK SOUTH SPAN																	
418	MT	REF DWG: 2/S19																	
419	TI	Pcs			8				CONNECTOR - 15M - BLACK									0	
420	GI	Segment: SS COUPLER - DECK																	
421	MT	DECK NORTH SPAN																	
422	MT	REF DWG: 2/S19																	
423	TI	Pcs			3				CONNECTOR - 15M - SS									0	
424	MT	DECK SOUTH SPAN																	
425	MT	REF DWG: 2/S19																	
426	TI	Pcs			3				CONNECTOR - 15M - SS									0	
427	GI	Segment: ITEM NUMBER: I.6.1 - BLACK BAR Sub-Segment: PARAPET WALL																	
428	MT	REF DWG: S26 - R.S.S PARAPET @ RETAINING WALL																	
429	TR	LS		500	12				15M	S	169900				1	40D	9000	3,442	18 BAR 12 CONT
430	TR	BF		500	12				15M	H	1750	350						40	17 BAR 12@200
431	TR	BF		500	551				15M	H	1750	350						1,817	17 BAR 12@300
432	TR	BF		500	12				15M	H	1750	350						40	17 BAR 12@200
433	GI	Segment: ITEM NUMBER: I.6.2 - SS BAR Sub-Segment: PARAPET WALL																	
434	MT	PARAPET WALL ON DECK																	
435	MT	REF DWG: S21																	
436	TR	BF		S500		126300	200		15M	H	65	160	975					1,193	1 BAR S15M@ 200 IF
437	TR	BF		S500	22				15M	H	65	160	975					41	1 BAR 22-S15M@100
438	TR	LS		S500	4			2	15M	S	131000				1	40D	9000	1,766	2 BAR 4-S15M EF
439	TR	LS		S500	1				15M	S	131000				1	40D	9000	221	2 BAR 1-S15M OF
440	TR	BF		S500	1			2	15M	H	240	2240						8	3 BAR 1-S15M EF
441	TR	BF		S500	2				15M	H	65	160	1525					5	4 BAR 2-S15M IF
442	TR	BF		S500		126300	200		10M	H	975							484	5 BAR S10M@ 200 OF
443	TR	BF		S500	12				10M	H	975							9	5 BAR 12-S10M@100
444	TR	BF		S500	2				10M	S	1525							2	6 BAR 2-S10M OF
445	TR	BF		S500	22				15M	H	65	160	1525					60	7 BAR 22-S15M 100
446	TR	BF		S500	12				15M	H	1525							29	8 BAR 12-S15M 200
447	TR	BF		S500		126300	200		10M	S	150	80	295	300				410	9 BAR S10M@ 200
448	TR	BF		S500	12				10M	S	150	80	295	300				8	9 BAR S10M@ 200 OF
449	TR	BF		S500	1			2	15M	S	2500							8	10 BAR 1-S-15M EF
450	TR	BF		S500	14				10M	L	150	600	295	300				15	11 BAR
451	MT	PARAPET WALL ON M.U.P																	
452	MT	REF DWG: S22																	
453	TR	BF		S500		126000	200		15M	H	65	160	975					1,189	1 BAR S15M@ 200 IF
454	TR	LS		S500	4			2	15M	S	131000				1	40D	9000	1,766	2 BAR 4-S15M EF
455	TR	LS		S500	1				15M	S	131000				1	40D	9000	221	2 BAR 1-S15M OF
456	TR	BF		S500	1			2*2	15M	H	240	2240						16	3 BAR 1-S15M EF
457	TR	BF		S500	2			2	15M	H	65	160	1525					11	4 BAR 2-S15M IF
458	TR	BF		S500		126000	200		10M	S	975							483	5 BAR S10M@ 200 OF
459	TR	BF		S500	2			2	10M	S	1525							5	6 BAR 2-S10M OF
460	TR	BF		S500	22			2	15M	H	65	160	1525					121	7 BAR 22-S15M 100
461	TR	BF		S500	12			2	15M	H	1525							57	8 BAR 12-S15M 200
462	TR	BF		S500		126000	200		10M	S	150	80	295	300				409	9 BAR S10M@ 200
463	TR	BF		S500	1			2*2	15M	S	2500							16	10 BAR 1-S-15M EF
464	TR	BF		S500	14			2	10M	L	150	600	295	300				30	11 BAR
465	MT	SEPARATION PARAPET ON M.U.P.																	
466	MT	REF DWG: S23																	
467	TR	BF		S500		6100	100		15M	H	300	1040						130	1 BAR S15M@100 IF
468	TR	BF		S500		116100	200		15M	H	300	1040						1,224	1 BAR S15M@200 IF
469	TR	BF		S500	5			2	15M	S	130200							2,044	2 BAR 5-S15M EF
470	TR	BF		S500		116100	200		10M	L	300	1040						612	3 BAR S10M@200 OF
471	TR	BF		S500		8000	100		15M	H	300	1040						170	4 BAR S15M@100 IF
472	TR	BF		S500		8000	200		10M	L	300	1040						43	5 BAR S10M@200 OF

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Kgs	Notes
473	MT	REF DWG: S26 - R.S.S PARAPET @ RETAINING WALL																	
474	TR	BF		S500	22				15M	H	65	160	975					41	1 BAR 22 @100 IF
475	TR	BF		S500	826				15M	H	65	160	975					1,556	1 BAR 826 @100 IF
476	TR	LS		S500	4			2	15M	S	169900				1	40D	9000	2,295	2 BAR 4 EF
477	TR	BF		S500	1			2	15M	H	240	2240						8	3 BAR 1 EF
478	TR	BF		S500	2				15M	H	65	160	1525					5	4 BAR 2 IF
479	TR	BF		S500	12				10M	S	1280							12	5 BAR 12 @200 OF
480	TR	BF		S500	826				10M	S	1280							830	5 BAR 12 @200 OF
481	TR	BF		S500	2				10M	S	1280							2	6 BAR 2 OF
482	TR	BF		S500	22				15M	H	65	160	1280					52	7 BAR @100 IF
483	TR	BF		S500	12				10M	S	1280							12	8 BAR 12 EQ SPACE
484	TR	BF		S500		162950	300		10M	L	300	245	80	150				332	9 BAR 551-@300
485	TR	LS		S500	1			2	15M	S	2500				1	40D	9000	8	10 BAR 1 EF
486	TR	BF		S500		6950	300		10M	L	150	600	245	300				25	11 BAR 22@100
487	TR	LS		S500	7				15M	S	169900				1	40D	9000	2,008	12 BAR 7 CONT
488	TR	BF		S500	12				15M	H	570	650						23	13 BAR 12-@200
489	TR	BF		S500	551				15M	H	570	650						1,055	13 BAR 551@300
490	TR	BF		S500	12				15M	H	570	650						23	13 BAR 12-@200
491	TR	BF		S500	12				15M	H	570	650						23	14 BAR 12-@200
492	TR	BF		S500	551				15M	H	570	650						1,055	14 BAR 551@300
493	TR	BF		S500	12				15M	H	570	650						23	14 BAR 12-@200
494	TR	BF		S500	12				15M	H	350	1750						40	15 BAR 12-@200
495	TR	BF		S500	551				15M	H	350	1750						1,817	15 BAR 551@300
496	TR	BF		S500	12				15M	H	350	1750						40	15 BAR 12-@200
497	TR	BF		S500	12				15M	H	150	945	645					33	16 BAR 12@200
498	TR	BF		S500	551				15M	H	150	945	645					1,505	16 BAR 551@300
499	TR	BF		S500	12				15M	H	150	945	645					33	16 BAR 12-@200
500	MT	CATCH BASIN - 3 LOC																	
501	TR	BF		S500	3			3*2	15M	H	2450	S90						77	3-S15M ES
502	GI	Segment: STANDEE Sub-Segment: BLACK BAR																	
503	MT	NORTH PIER - REF DWG: S10																	
504	MT	PIER FTG - 1200 THK																	
505	TR	BF		500	32				20M	H	450	1050	300	1050	450			249	STANDEE
506	TR	BF		500	32				20M	H	450	1050	300	1050	450			249	STANDEE

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Segment: ITEM NUMBER: I.6.1 - BLACK BAR

Total for WINGWALL

**** Rebar Weight Summary (Kgs) ****

** Grade 500, Black **

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
15M	2,283	1,308	975	0	0
20M	217	159	58	0	0
25M	4,951	0	4,951	0	0
30M	2,276	0	2,276	0	0
	9,727	1,467	8,260	0	0

Total for PIER

**** Rebar Weight Summary (Kgs) ****

** Grade 500, Black **

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
15M	3,967	639	2,050	1,278	678
20M	6,236	600	2,548	3,088	0
25M	3,740	1,264	2,476	0	706
30M	11,093	0	11,093	0	0
35M	5,516	2,664	2,852	0	2,828
	30,552	5,167	21,019	4,366	4,212

Total for ABUTMENT

**** Rebar Weight Summary (Kgs) ****

** Grade 500, Black **

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
15M	4,032	3,034	998	0	1,358
20M	2,546	2,330	216	0	0
25M	692	528	164	0	282
30M	5,658	5,658	0	0	0
	12,928	11,550	1,378	0	1,640

Total for DECK

**** Rebar Weight Summary (Kgs) ****

** Grade 500, Black **

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
15M	40,918	31,568	9,350	0	26,822
20M	8,586	8,440	146	0	2,628
	49,504	40,008	9,496	0	29,450

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Total for APPROACH SLAB

**** Rebar Weight Summary (Kgs) ****

** Grade 500, Black **

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
15M	2,062	1,854	208	0	1,302
20M	3,940	3,940	0	0	0
	6,002	5,794	208	0	1,302

Total for PARAPET WALL

**** Rebar Weight Summary (Kgs) ****

** Grade 500, Black **

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
15M	5,339	3,442	1,897	0	3,391
	5,339	3,442	1,897	0	3,391

Total for Segment: ITEM NUMBER: I.6.1 - BLACK BAR

**** Rebar Weight Summary (Kgs) ****

** Grade 500, Black **

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
15M	58,601	41,845	15,478	1,278	33,551
20M	21,525	15,469	2,968	3,088	2,628
25M	9,383	1,792	7,591	0	988
30M	19,027	5,658	13,369	0	0
35M	5,516	2,664	2,852	0	2,828
	114,052	67,428	42,258	4,366	39,995

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#3 -

Segment: ITEM NUMBER: I.6.2 - SS BAR

Total for WING WALL

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Stainless Steel **					
10M	138	0	0	138	0
15M	518	192	326	0	0
	656	192	326	138	0

Total for PIER

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Stainless Steel **					
15M	446	0	376	70	0
	446	0	376	70	0

Total for DECK

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Stainless Steel **					
15M	9,079	5,444	3,635	0	2,628
	9,079	5,444	3,635	0	2,628

Total for APPROACH SLAB

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Stainless Steel **					
15M	1,564	446	1,118	0	170
	1,564	446	1,118	0	170

Total for PARAPET WALL

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Stainless Steel **					
10M	3,723	2,173	493	1,057	0
15M	22,018	10,353	11,665	0	10,099
	25,741	12,526	12,158	1,057	10,099

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Total for Segment: ITEM NUMBER: I.6.2 - SS BAR

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Stainless Steel **					
10M	3,861	2,173	493	1,195	0
15M	33,625	16,435	17,120	70	12,897
	37,486	18,608	17,613	1,265	12,897

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#3 -

Segment: ITEM NUMBER: I.6.3 - BLACK COUPLER

Total for ABUTMENT

**** Miscellaneous Item Summary ****

** Undefined Item Class - 'Coupler' **

CONNECTOR - 15M - BLACK	CONNECTOR - 15M - BLACK	96.000	Pcs	=	96.000	Pcs	@	0.000	/ Pcs	= $	0.00	0 Kgs
CONNECTOR - 25M - BLACK	CONNCETOR -25M - BLACK	8.000	Pcs	=	8.000	Pcs	@	0.000	/ Pcs	= $	0.00	0 Kgs
Subtotal										= $	0.00	0 Kgs
Grand Total										= $	0.00	0 Kgs

Total for DECK

**** Miscellaneous Item Summary ****

** Undefined Item Class - 'Coupler' **

CONNECTOR - 15M - BLACK	CONNECTOR - 15M - BLACK	16.000	Pcs	=	16.000	Pcs	@	0.000	/ Pcs	= $	0.00	0 Kgs
Subtotal										= $	0.00	0 Kgs
Grand Total										= $	0.00	0 Kgs

Total for Segment: ITEM NUMBER: I.6.3 - BLACK COUPLER

**** Miscellaneous Item Summary ****

** Undefined Item Class - 'Coupler' **

CONNECTOR - 15M - BLACK	CONNECTOR - 15M - BLACK	112.000	Pcs	=	112.000	Pcs	@	0.000	/ Pcs	= $	0.00	0 Kgs
CONNECTOR - 25M - BLACK	CONNCETOR -25M - BLACK	8.000	Pcs	=	8.000	Pcs	@	0.000	/ Pcs	= $	0.00	0 Kgs
Subtotal										= $	0.00	0 Kgs
Grand Total										= $	0.00	0 Kgs

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#3 -

Segment: SS COUPLER - DECK

Total for None

**** Miscellaneous Item Summary ****

** Undefined Item Class - 'Coupler' **

CONNECTOR - 15M - SS	CONNECTOR - 15M - SS	6.000	Pcs	=	6.000	Pcs	@	0.000 / Pcs	= $	0.00	0 Kgs
Subtotal									= $	0.00	0 Kgs
Grand Total									= $	0.00	0 Kgs

Total for Segment: SS COUPLER - DECK

**** Miscellaneous Item Summary ****

** Undefined Item Class - 'Coupler' **

CONNECTOR - 15M - SS	CONNECTOR - 15M - SS	6.000	Pcs	=	6.000	Pcs	@	0.000 / Pcs	= $	0.00	0 Kgs
Subtotal									= $	0.00	0 Kgs
Grand Total									= $	0.00	0 Kgs

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Segment: STANDEE (Excluded)

Total for BLACK BAR

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
			** Grade 500, Black **		
20M	498	0	498	0	0
	498	0	498	0	0

Total for Segment: STANDEE (Excluded)

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
			** Grade 500, Black **		
20M	498	0	498	0	0
	498	0	498	0	0

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#3 -

Rebar Sub-Segment Summary

Segment: ITEM NUMBER: I.6.1 - BLACK BAR

Sub-Segment: WINGWALL

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Black **					
15M	2,283	1,308	975	0	0
20M	217	159	58	0	0
25M	4,951	0	4,951	0	0
30M	2,276	0	2,276	0	0
	9,727	1,467	8,260	0	0

Sub-Segment: PIER

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Black **					
15M	3,967	639	2,050	1,278	678
20M	6,236	600	2,548	3,088	0
25M	3,740	1,264	2,476	0	706
30M	11,093	0	11,093	0	0
35M	5,516	2,664	2,852	0	2,828
	30,552	5,167	21,019	4,366	4,212

Sub-Segment: ABUTMENT

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Black **					
15M	4,032	3,034	998	0	1,358
20M	2,546	2,330	216	0	0
25M	692	528	164	0	282
30M	5,658	5,658	0	0	0
	12,928	11,550	1,378	0	1,640

Sub-Segment: DECK

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Black **					
15M	40,918	31,568	9,350	0	26,822
20M	8,586	8,440	146	0	2,628
	49,504	40,008	9,496	0	29,450

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#3 -

Rebar Sub-Segment Summary

Segment: ITEM NUMBER: I.6.1 - BLACK BAR

Sub-Segment: APPROACH SLAB

**** Rebar Weight Summary (Kgs) ****

** Grade 500, Black **

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
15M	2,062	1,854	208	0	1,302
20M	3,940	3,940	0	0	0
	6,002	5,794	208	0	1,302

Sub-Segment: PARAPET WALL

**** Rebar Weight Summary (Kgs) ****

** Grade 500, Black **

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
15M	5,339	3,442	1,897	0	3,391
	5,339	3,442	1,897	0	3,391

Total for Segment: ITEM NUMBER: I.6.1 - BLACK BAR

**** Rebar Weight Summary (Kgs) ****

** Grade 500, Black **

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
15M	58,601	41,845	15,478	1,278	33,551
20M	21,525	15,469	2,968	3,088	2,628
25M	9,383	1,792	7,591	0	988
30M	19,027	5,658	13,369	0	0
35M	5,516	2,664	2,852	0	2,828
	114,052	67,428	42,258	4,366	39,995

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#3 -

Rebar Sub-Segment Summary

Segment: ITEM NUMBER: I.6.2 - SS BAR

Sub-Segment: WING WALL

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Stainless Steel **					
10M	138	0	0	138	0
15M	518	192	326	0	0
	656	192	326	138	0

Sub-Segment: PIER

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Stainless Steel **					
15M	446	0	376	70	0
	446	0	376	70	0

Sub-Segment: DECK

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Stainless Steel **					
15M	9,079	5,444	3,635	0	2,628
	9,079	5,444	3,635	0	2,628

Sub-Segment: APPROACH SLAB

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Stainless Steel **					
15M	1,564	446	1,118	0	170
	1,564	446	1,118	0	170

Sub-Segment: PARAPET WALL

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Stainless Steel **					
10M	3,723	2,173	493	1,057	0
15M	22,018	10,353	11,665	0	10,099
	25,741	12,526	12,158	1,057	10,099

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#3 -

Rebar Sub-Segment Summary

Segment: ITEM NUMBER: I.6.2 - SS BAR

Total for Segment: ITEM NUMBER: I.6.2 - SS BAR

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Stainless Steel **					
10M	3,861	2,173	493	1,195	0
15M	33,625	16,435	17,120	70	12,897
	37,486	18,608	17,613	1,265	12,897

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Rebar Sub-Segment Summary

Segment: STANDEE (Excluded)

Sub-Segment: BLACK BAR

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Black **					
20M	498	0	498	0	0
	498	0	498	0	0

Total for Segment: STANDEE (Excluded)

**** Rebar Weight Summary (Kgs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 500, Black **					
20M	498	0	498	0	0
	498	0	498	0	0

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Estimate Totals

**** Rebar Weight Summary (Kgs) ****

** Grade 500, Black **

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
15M	58,601	41,845	15,478	1,278	33,551
20M	21,525	15,469	2,968	3,088	2,628
25M	9,383	1,792	7,591	0	988
30M	19,027	5,658	13,369	0	0
35M	5,516	2,664	2,852	0	2,828
	114,052	67,428	42,258	4,366	39,995

** Grade 500, Stainless Steel **

10M	3,861	2,173	493	1,195	0
15M	33,625	16,435	17,120	70	12,897
	37,486	18,608	17,613	1,265	12,897

** Grand Totals **

10M	3,861	2,173	493	1,195	0
15M	92,226	58,280	32,598	1,348	46,448
20M	21,525	15,469	2,968	3,088	2,628
25M	9,383	1,792	7,591	0	988
30M	19,027	5,658	13,369	0	0
35M	5,516	2,664	2,852	0	2,828
	151,538	86,036	59,871	5,631	52,892

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Estimate Totals

**** Miscellaneous Item Summary ****

** Undefined Item Class - 'Coupler' **

CONNECTOR - 15M - BLACK	CONNECTOR - 15M - BLACK	112.000	Pcs	=	112.000	Pcs	@	0.000	/ Pcs	= $	0.00	0 Kgs
CONNECTOR - 15M - SS	CONNECTOR - 15M - SS	6.000	Pcs	=	6.000	Pcs	@	0.000	/ Pcs	= $	0.00	0 Kgs
CONNECTOR - 25M - BLACK	CONNCETOR -25M - BLACK	8.000	Pcs	=	8.000	Pcs	@	0.000	/ Pcs	= $	0.00	0 Kgs
Subtotal										= $	0.00	0 Kgs
Grand Total										= $	0.00	0 Kgs

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