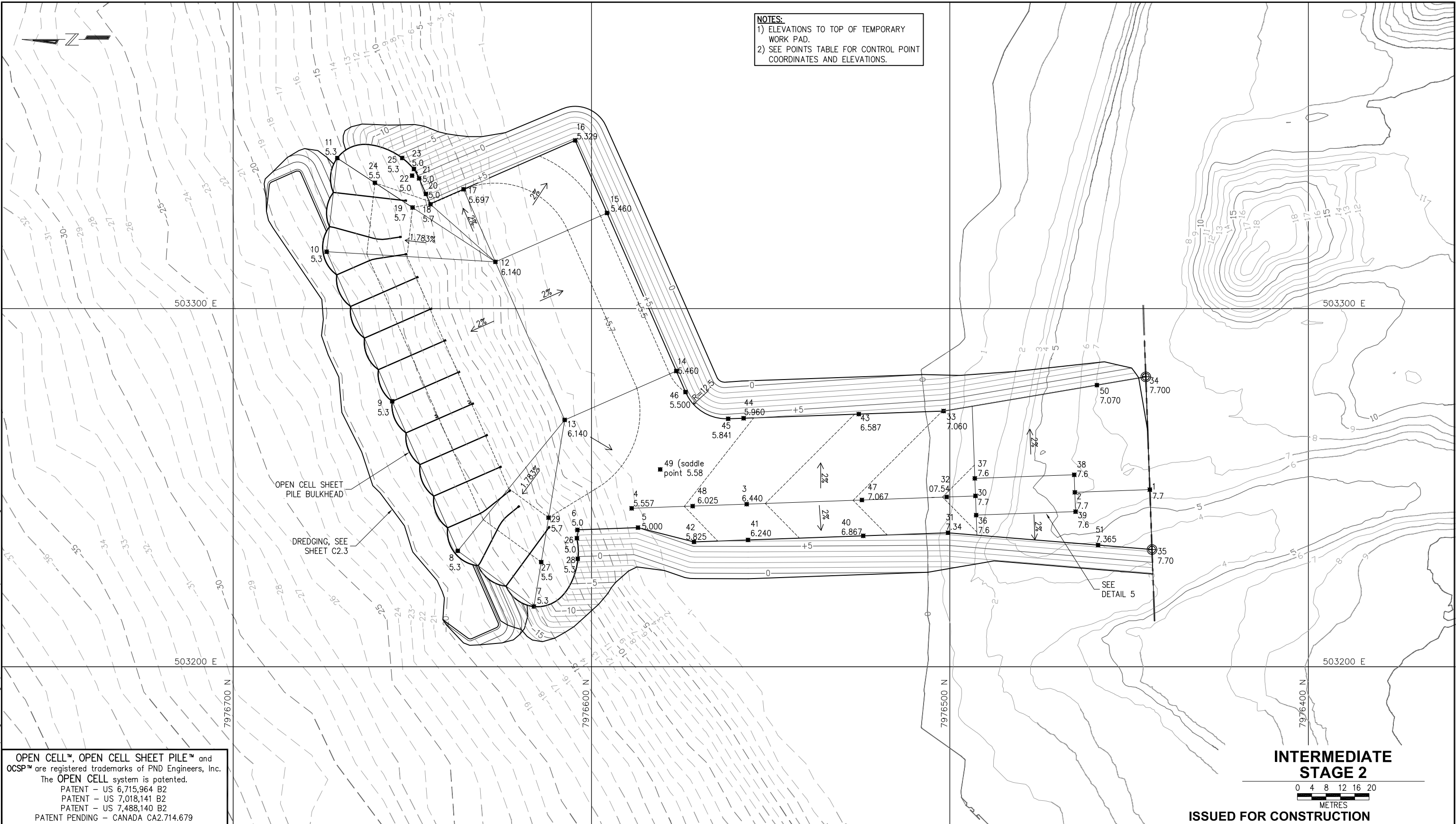


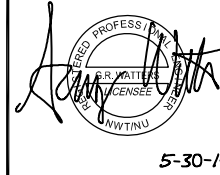
5/30/14 Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-C2.2.dwg



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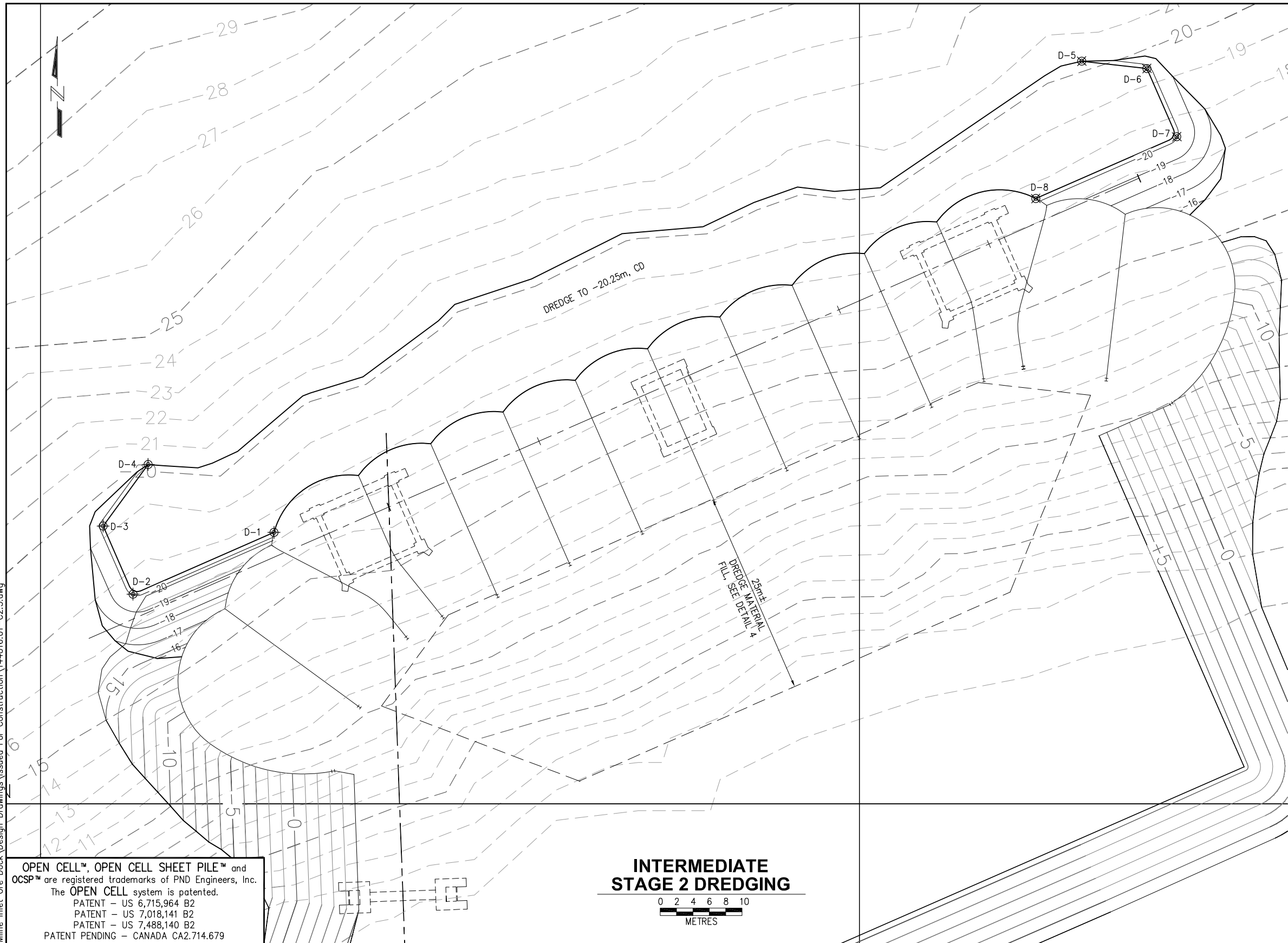
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REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT:		MILNE INLET ORE DOCK	
TITLE:		GRADING - PLAN	
DESIGNED BY:	NJS	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	GW	SCALE:	NOTED
SHEET NO:			C2.2

5/30/14
Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-C2.3.dwg



- NOTES:**
1. DREDGE TO ELEVATION -20.25, CD WITHIN THE LIMITS DEFINED BY DREDGE CONTROL POINTS NO. D1 TO D8. PROVIDE 1 METER RADIUS AT ALL INSIDE CORNERS OF DREDGED BASIN.
 2. THE MAXIMUM ALLOWABLE DREDGING DEPTH IS TO ELEVATION -20.5, CD. DO NOT DREDGE DEEPER THAN -20.5, CD.
 3. THE SIDE SLOPES OF THE DREDGED BASIN SHALL NOT BE STEEPER THAN 1.5:1. THE NATURAL ANGLE OF REPOSE OF THE DREDGED SIDE SLOPES IS EXPECTED TO BE BETWEEN 1.5:1 AND 2:1.
 4. SEE POINTS TABLE FOR CONTROL POINT COORDINATES.

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PATENT - US 7,018,141 B2
PATENT - US 7,488,140 B2
PATENT PENDING - CANADA CA2.714.679

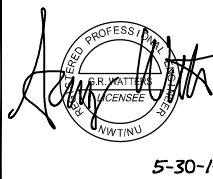
**INTERMEDIATE
STAGE 2 DREDGING**

0 2 4 6 8 10
METRES

ISSUED FOR CONSTRUCTION



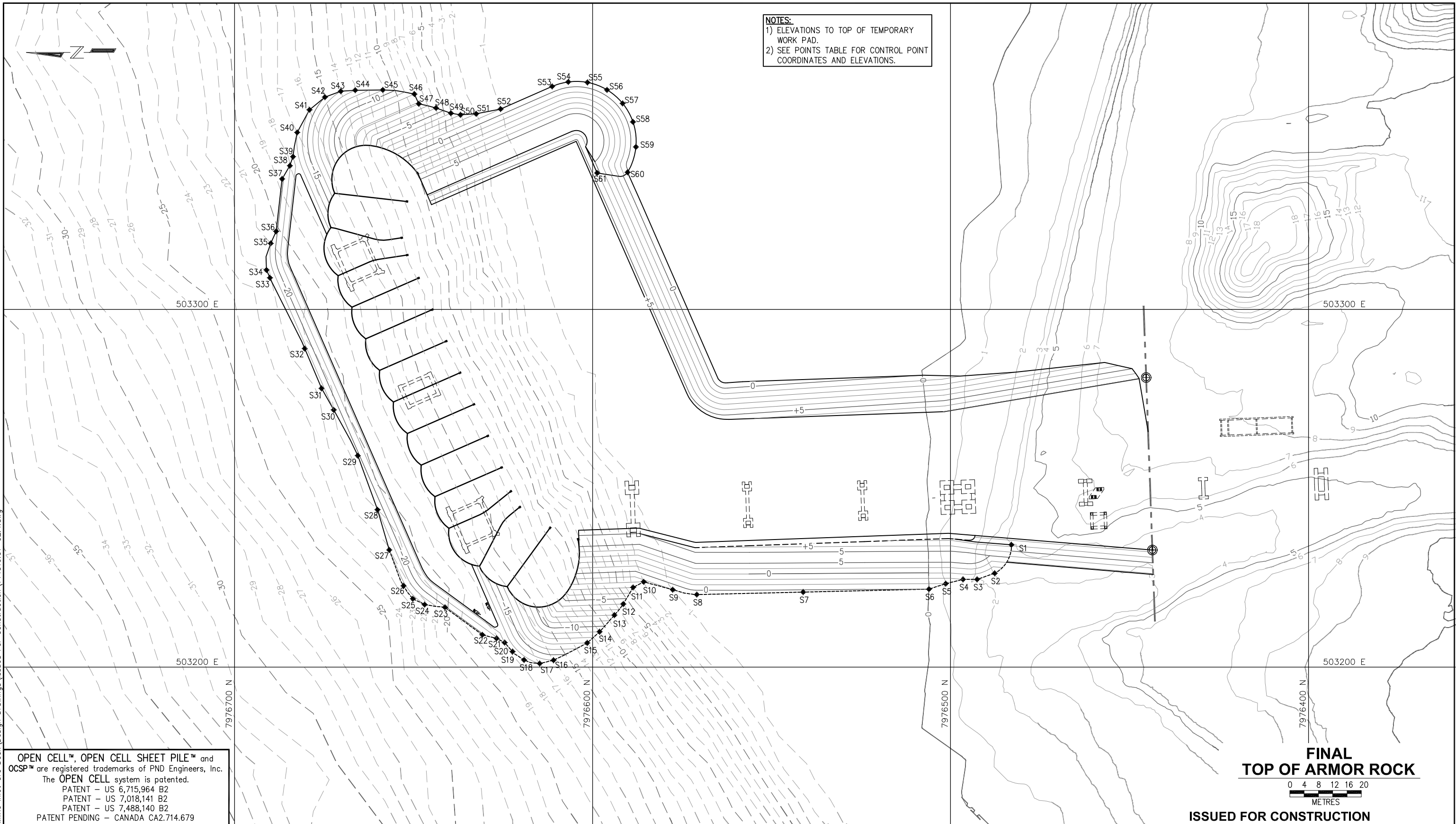
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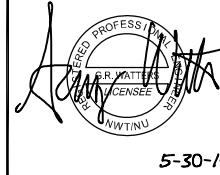
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REV	DATE	DESCRIPTION
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PROJECT:		MILNE INLET ORE DOCK	
TITLE:		GRADING DREDGING PLAN	
DESIGNED BY:	NJS	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	GW	SCALE:	NOTED
SHEET NO:			C2.3

5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-C2.4.dwg



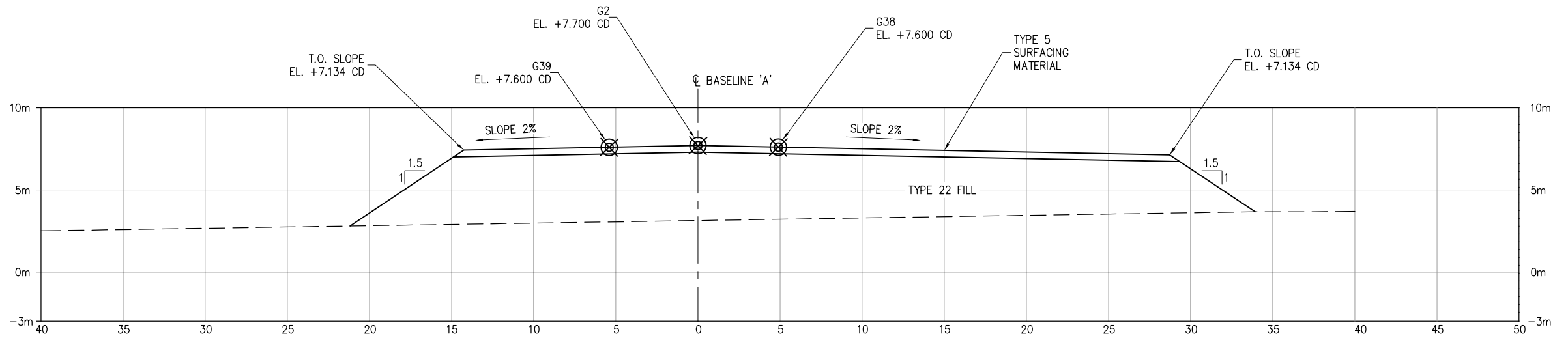
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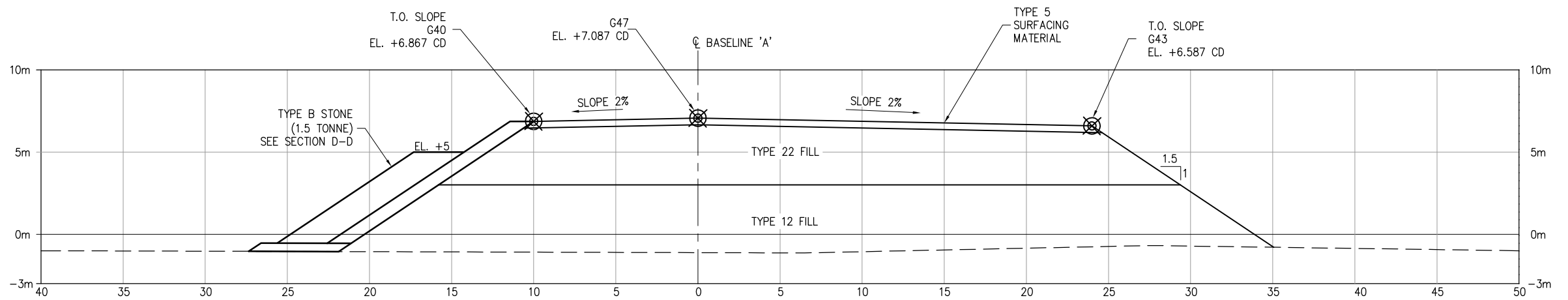
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REV	DATE	DESCRIPTION
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PROJECT:		MILNE INLET ORE DOCK	
TITLE:		GRADING SHORE PROTECTION PLAN	
DESIGNED BY:	NJS	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	GW	SCALE:	NOTED
SHEET NO:			C2.4

5/30/14 Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-C2.5.dwg



SECTION A-A



SECTION B-B

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PATENT - US 7,488,140 B2
PATENT PENDING - CANADA CA2.714.679



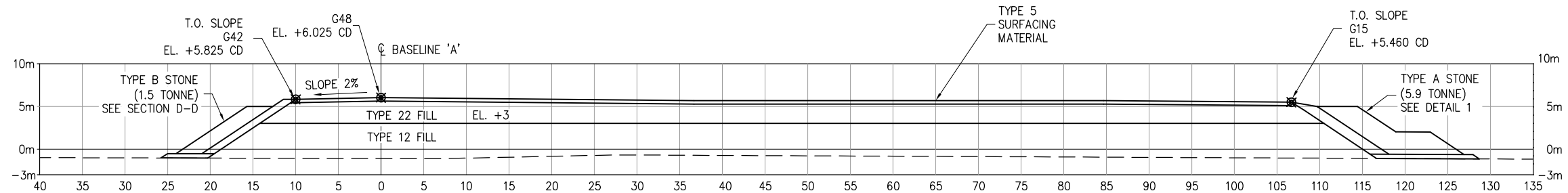
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5-30-14

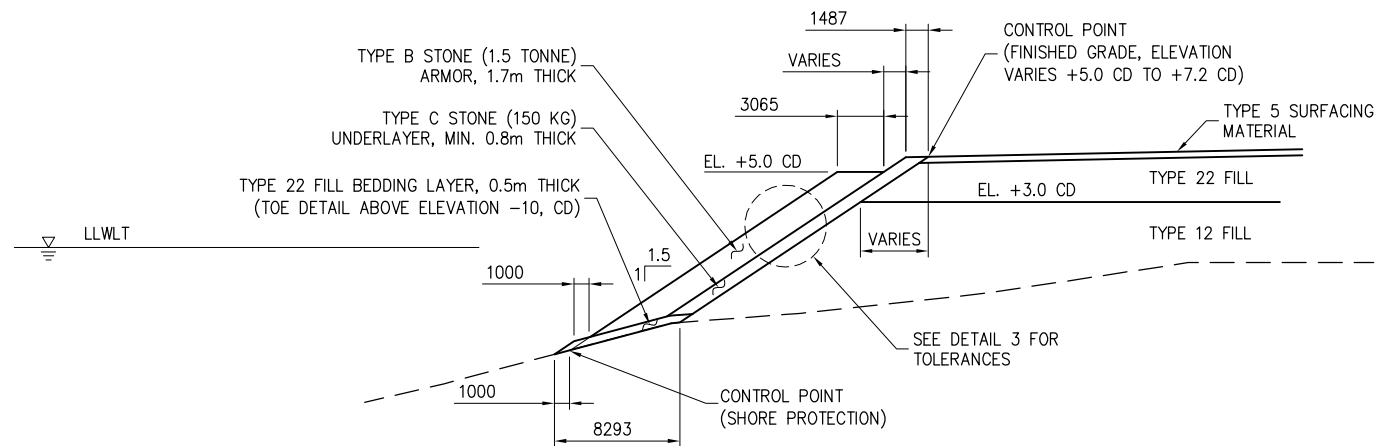
REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT: MILNE INLET ORE DOCK			
TITLE: GRADING SECTIONS - 1			
DESIGNED BY: NJS	PROJECT NO: 144016.01	SHEET NO: C2.5	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: GW	SCALE: NOTED		

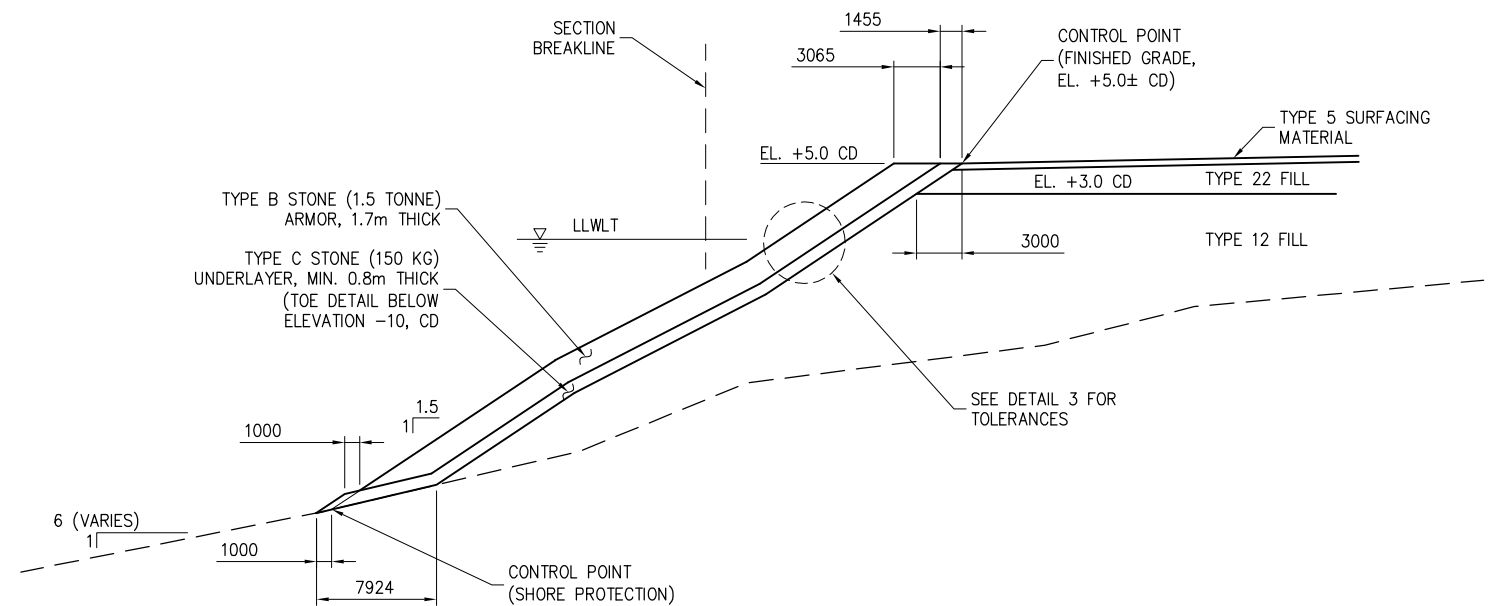
5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-C2.6.dwg



SECTION C-C



SECTION D-D



SECTION E-E

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PATENT - US 7,488,140 B2
PATENT PENDING - CANADA CA2.714.679

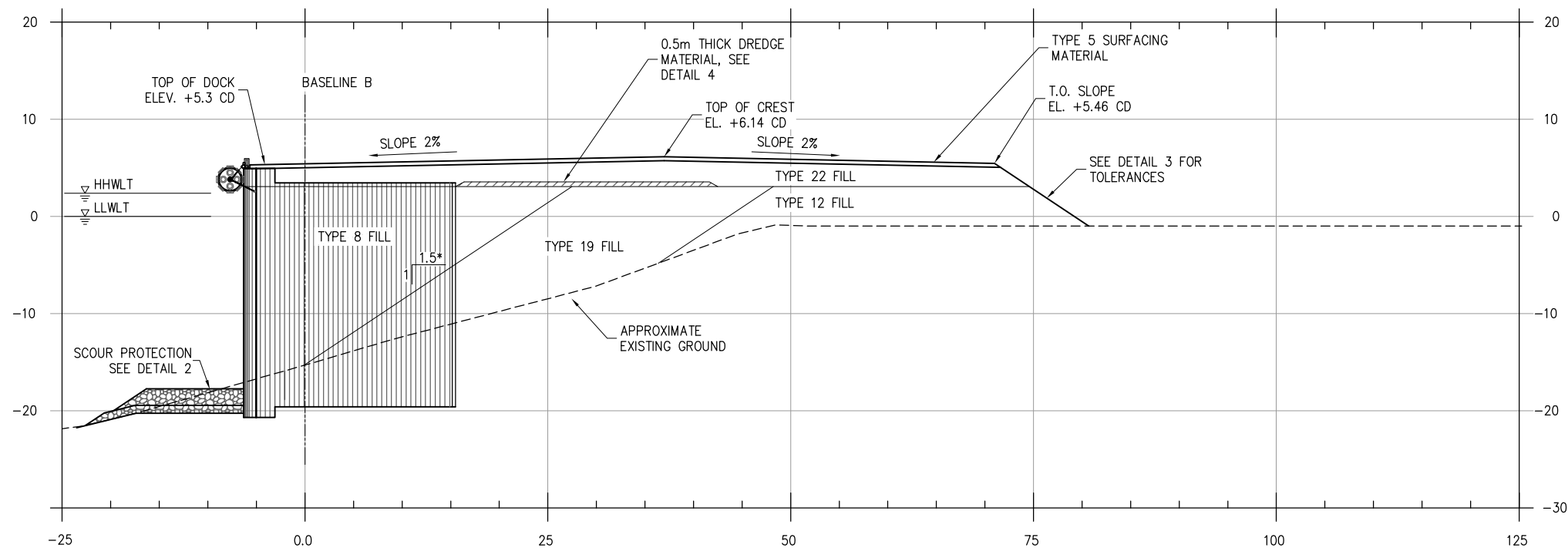
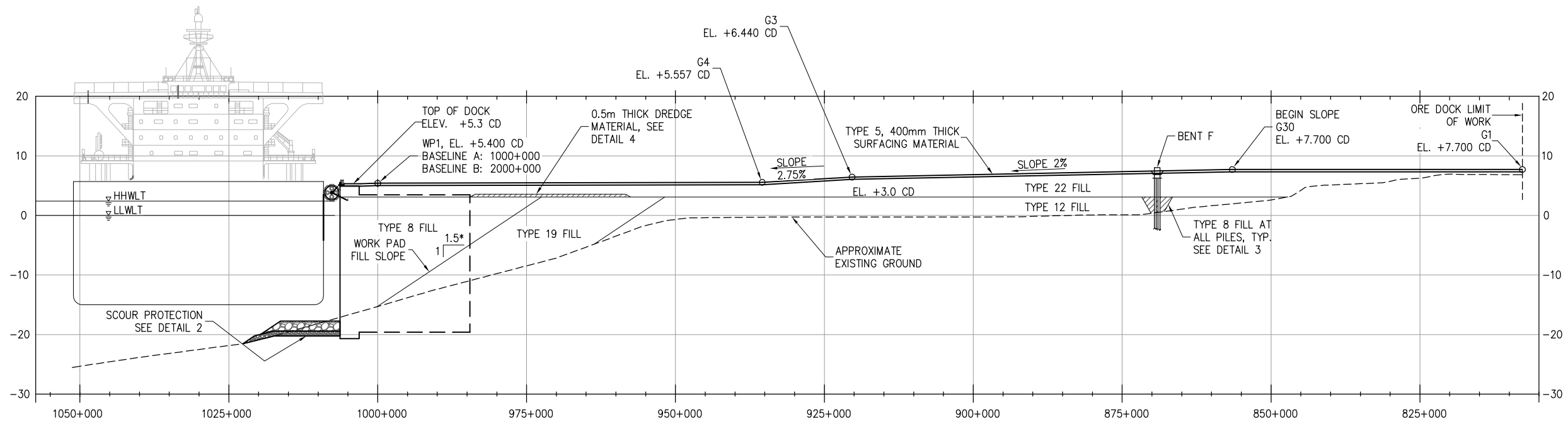


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ISSUED FOR CONSTRUCTION			
PROJECT: MILNE INLET ORE DOCK			
TITLE: GRADING SECTIONS - 2			
DESIGNED BY: NJS	PROJECT NO: 144016.01	SHEET NO: C2.6	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: GW	SCALE: NOTED		



* ACTUAL SLOPE MAY VARY. ADJUST AS NECESSARY TO ENSURE TOE OF FILL DOES NOT INTERFERE WITH SHEET PILE DRIVING.

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 PATENT - US 7,018,141 B2
 PATENT - US 7,488,140 B2
 PATENT PENDING - CANADA CA2.714.679



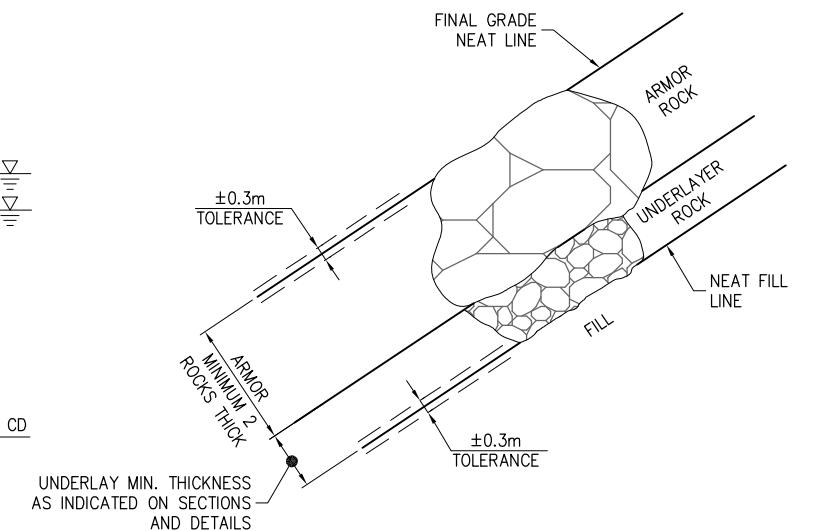
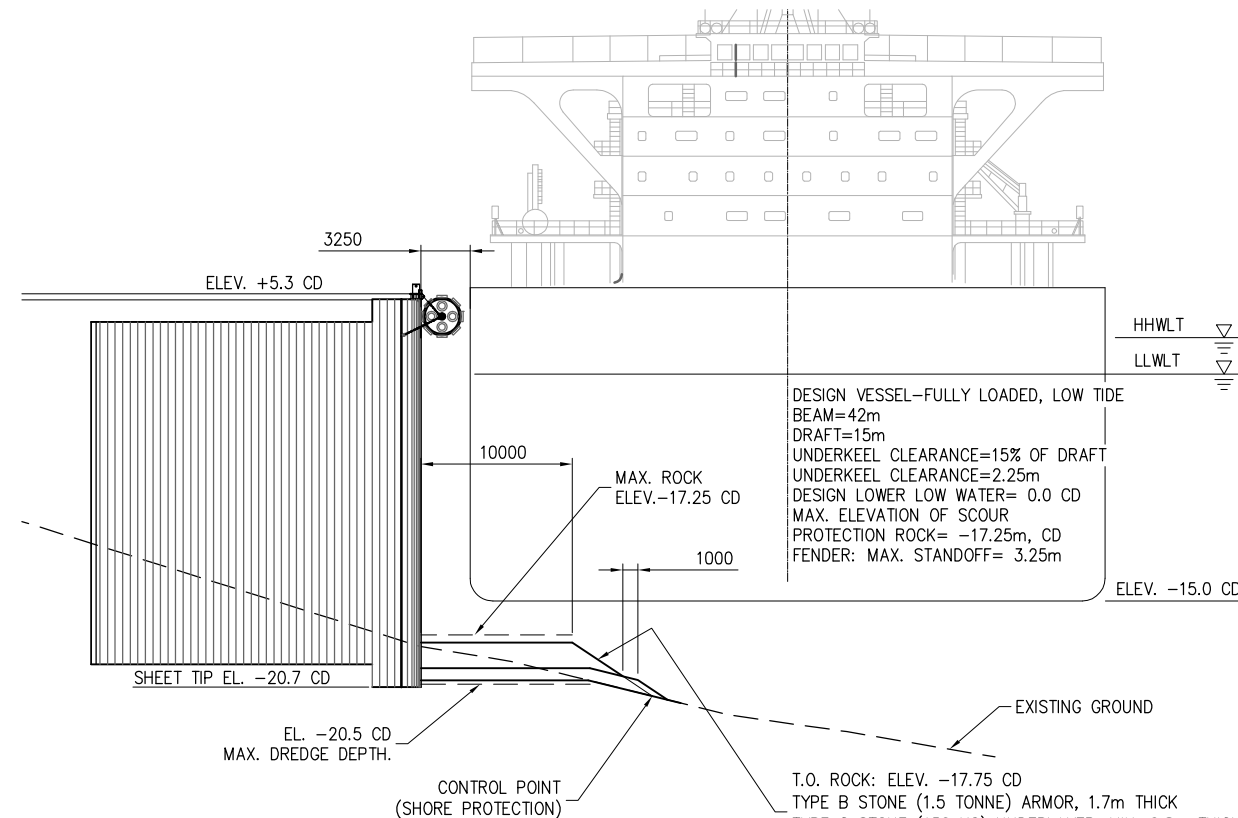
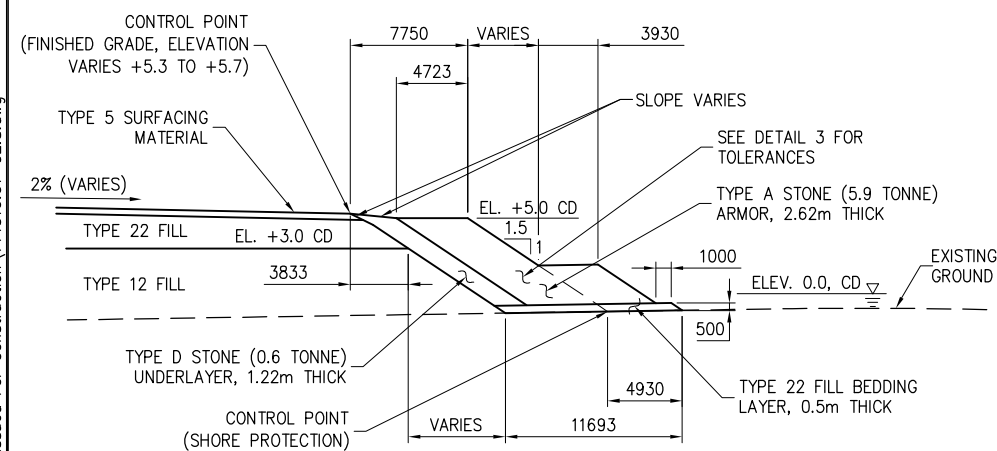
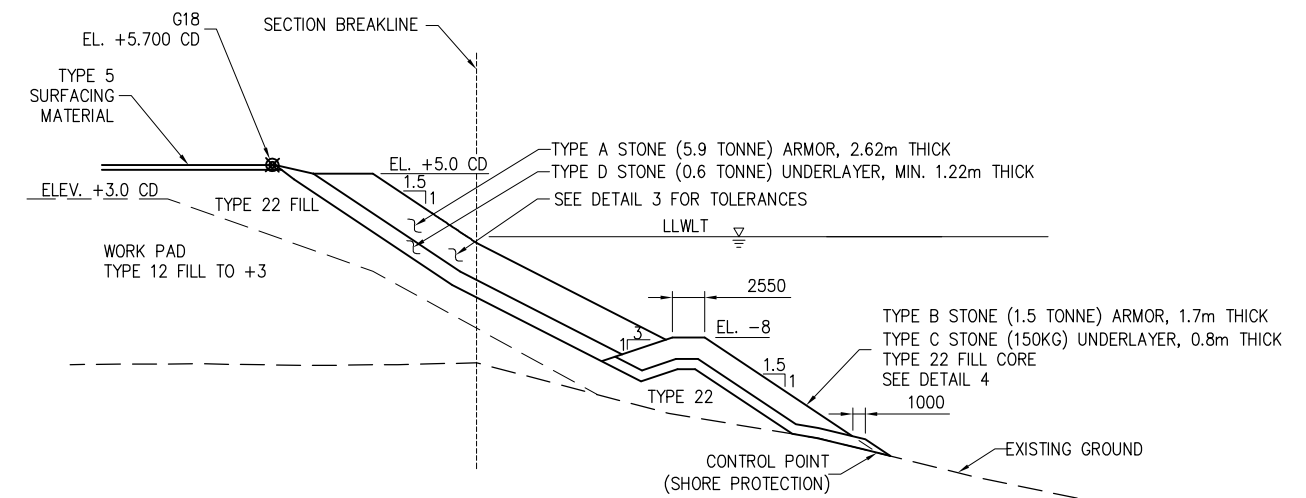
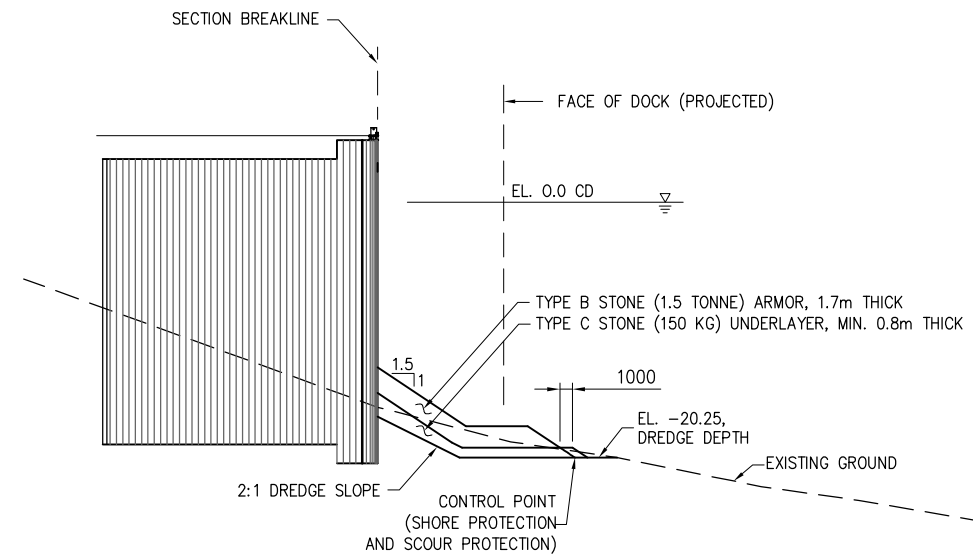
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PROJECT: MILNE INLET ORE DOCK			
TITLE: GRADING SECTIONS - 3			
DESIGNED BY: NJS	PROJECT NO: 144016.01	SHEET NO: C2.7	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: GW	SCALE: NOTED		

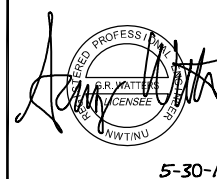
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PATENT – US 7,488,140 B2
PATENT PENDING – CANADA CA2,714,679



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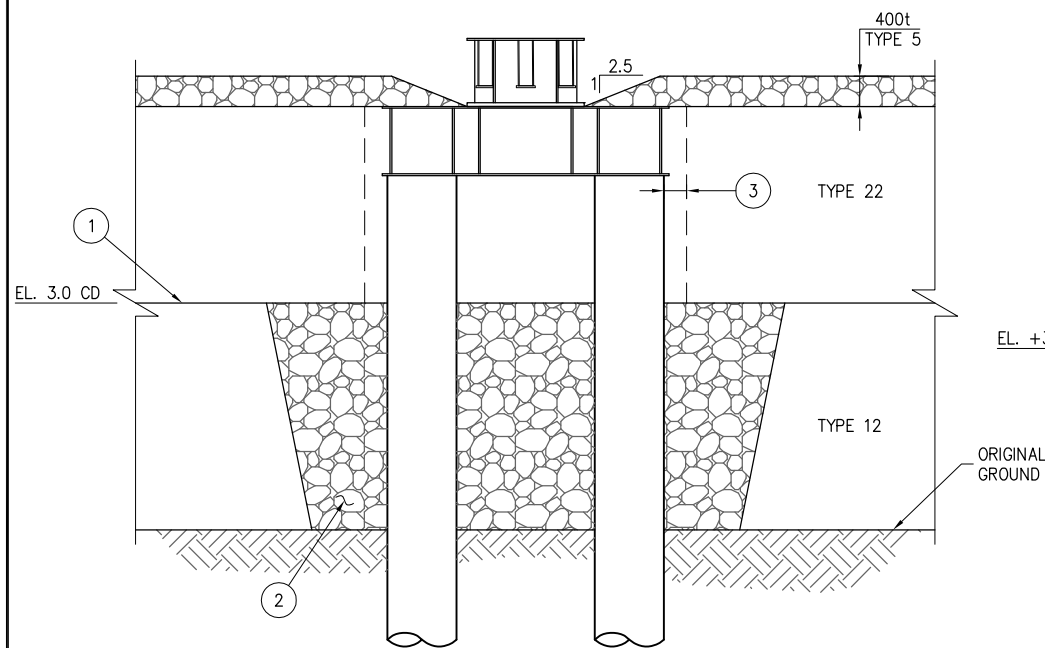


REVISIONS		
REV	DATE	DESCRIPTION

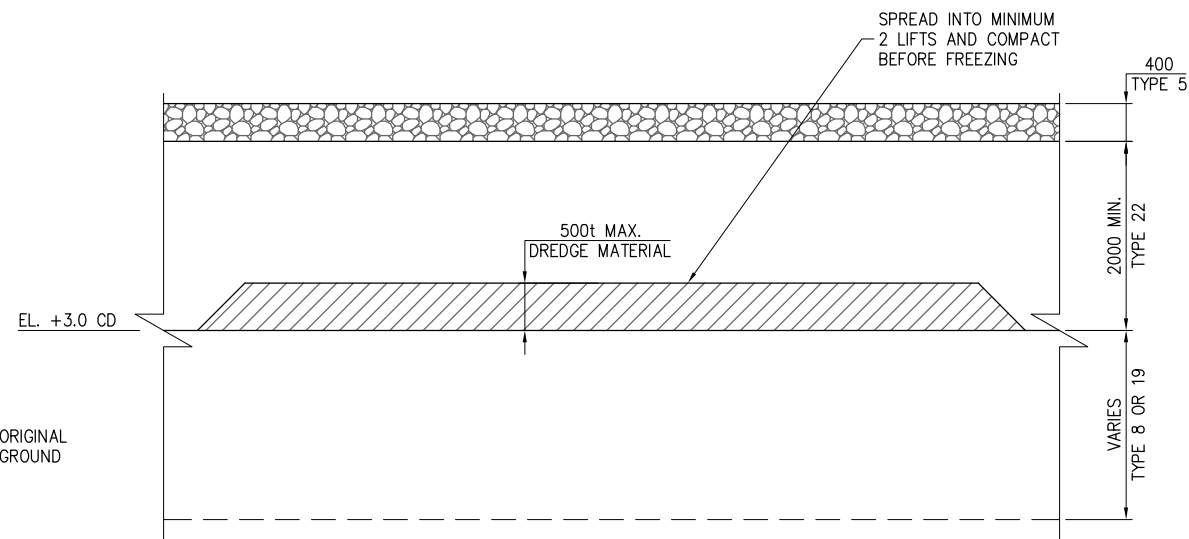
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PROJECT:	MILNE INLET ORE DOCK		
TITLE:	GRADING SECTIONS - 4		
DESIGNED BY:	NJS	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	GW	SCALE:	NOTED
			C2.8

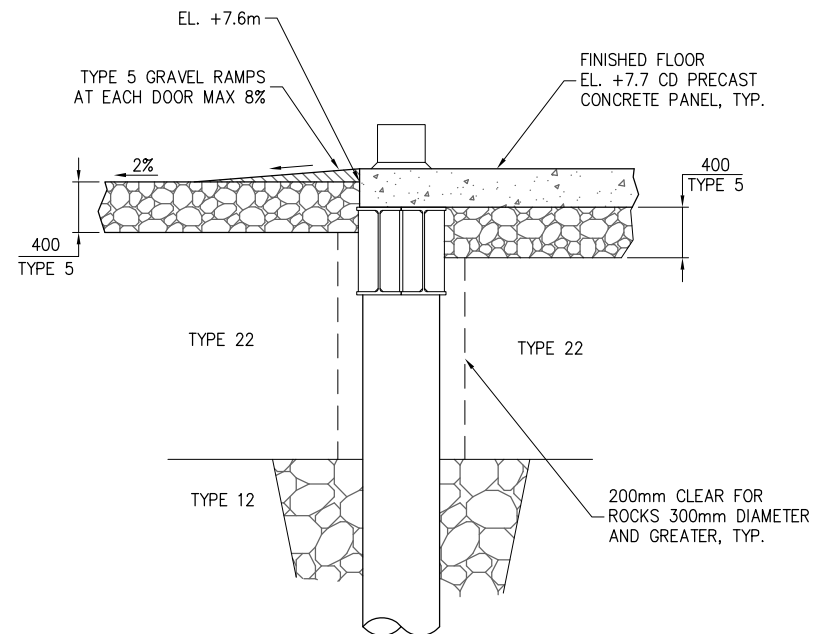
5/30/14 Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-C2.9.dwg



PILE BACKFILL
DETAIL 3



DREDGE PLACEMENT
DETAIL 4



DRIVE HOUSE
DETAIL 5

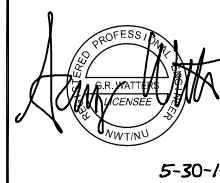
CONSTRUCTION NOTES

1. ESTABLISH TOP ELEVATION OF TEMPORARY WORK PAD NO LESS THAN +3m.
2. PLACE TYPE 8 MATERIAL AT ALL PILE LOCATIONS BEFORE DRIVING PILES.
3. REMOVE ALL ROCK PARTICLES 300mm OR GREATER WITHIN 200mm OF STEEL FOUNDATIONS.
4. MAINTAIN 3m MINIMUM SETBACK FROM STEEL FOUNDATIONS WITH ROLLER COMPACTOR.

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PATENT – US 7,018,141 B2
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PATENT PENDING – CANADA CA2.714.679



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REVISIONS		
REV	DATE	DESCRIPTION

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ISSUED FOR CONSTRUCTION			
PROJECT: MILNE INLET ORE DOCK			
TITLE: GRADING SECTIONS - 5			
DESIGNED BY: NJS	PROJECT NO: 144016.01	SHEET NO: C2.9	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: GW	SCALE: NOTED		

5/30/14
Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-C2.10.dwg

SHORE PROTECTION - CONTROL POINTS		
No.	NORTHING	EASTING
S1	7976482.954	503234.203
S2	7976487.639	503226.255
S3	7976492.547	503224.552
S4	7976496.475	503224.552
S5	7976501.298	503223.357
S6	7976505.984	503221.834
S7	7976541.126	503221.000
S8	7976570.857	503220.298
S9	7976577.572	503221.667
S10	7976585.681	503223.868
S11	7976588.668	503222.259
S12	7976591.393	503217.658
S13	7976593.868	503214.567
S14	7976598.009	503209.913
S15	7976601.484	503206.787
S16	7976610.881	503201.961
S17	7976614.750	503201.031
S18	7976619.109	503202.036
S19	7976622.310	503204.375
S20	7976624.532	503206.882
S21	7976626.805	503208.064
S22	7976630.762	503209.059
S23	7976641.200	503216.742
S24	7976646.885	503217.505
S25	7976650.160	503219.123
S26	7976653.545	503224.027
S27	7976656.769	503232.790
S28	7976660.052	503244.017
S29	7976665.561	503259.132
S30	7976672.276	503271.911
S31	7976675.680	503277.929
S32	7976680.376	503289.059
S33	7976690.096	503308.836
S34	7976691.054	503311.020
S35	7976689.878	503318.462
S36	7976688.363	503321.820
S37	7976686.696	503336.474
S38	7976684.533	503340.150
S39	7976683.643	503342.689
S40	7976682.477	503349.454
S41	7976679.048	503355.795
S42	7976674.735	503359.326
S43	7976670.291	503360.975
S44	7976666.261	503361.261
S45	7976658.577	503361.338
S46	7976649.740	503360.199
S47	7976648.509	503357.463
S48	7976643.697	503356.296
S49	7976639.543	503354.842
S50	7976636.870	503354.376

SHORE PROTECTION - CONTROL POINTS (CONT.)		
No.	NORTHING	EASTING
S51	7976632.469	503354.666
S52	7976625.670	503356.009
S53	7976611.258	503362.324
S54	7976606.758	503363.585
S55	7976601.394	503363.436
S56	7976595.926	503361.351
S57	7976591.562	503357.579
S58	7976588.688	503352.409
S59	7976587.858	503345.415
S60	7976588.947	503340.817
S61	7976598.693	503338.146

FINAL GRADE - CONTROL POINTS			
No.	NORTHING	EASTING	ELEVATION
G1	7976444.188	503249.485	7.700
G2	7976465.110	503248.730	7.700
G3	7976556.669	503245.428	6.440
G4	7976588.774	503244.270	5.557
G5	7976587.009	503238.882	5.000
G6	7976603.896	503238.260	5.000
G7	7976616.053	503216.859	5.300
G8	7976637.293	503232.392	5.300
G9	7976655.590	503274.142	5.300
G10	7976673.887	503315.892	5.300
G11	7976670.913	503342.037	5.300
G12	7976626.791	503313.064	6.140
G13	7976607.452	503268.936	6.140
G14	7976576.311	503282.583	5.460
G15	7976595.651	503326.712	5.460
G16	7976604.543	503346.974	5.329
G17	7976635.675	503333.336	5.697
G18	7976644.905	503329.146	5.700
G19	7976649.903	503328.240	5.700
G20	7976646.174	503332.040	5.000
G21	7976648.069	503336.365	5.000
G22	7976650.045	503337.137	5.000
G23	7976649.520	503339.005	5.000
G24	7976660.408	503335.139	5.500
G25	7976652.799	503342.070	5.300
G26	7976604.054	503235.927	5.000
G27	7976614.006	503229.258	5.500
G28	7976603.815	503230.174	5.300
G29	7976611.958	503241.658	5.700
G30	7976492.846	503247.730	7.700
G31	7976500.504	503237.447	7.340
G32	7976500.864	503247.440	7.540
G33	7976501.729	503271.425	7.060
G34	7976445.316	503280.967	7.700
G35	7976443.587	503232.752	7.700
G36	7976492.653	503242.358	7.600
G37	7976493.023	503252.626	7.600
G38	7976465.287	503253.627	7.600
G39	7976464.916	503243.333	7.600
G40	7976524.171	503236.593	6.867
G41	7976556.308	503235.434	6.240
G42	7976571.383	503234.891	5.825
G43	7976525.397	503270.572	6.587
G44	7976557.534	503269.412	5.960
G45	7976561.847	503269.257	5.841
G46	7976573.746	503276.731	5.500
G47	7976524.532	503246.587	7.067
G48	7976571.744	503244.884	6.025
G49	7976580.804	503255.119	5.580
G50	7976458.955	503278.659	7.070
G51	7976458.643	503233.994	7.365

DREDGING PLAN - CONTROL POINTS		
No.	NORTHING	EASTING
D1	7976633.159	503228.526
D2	7976625.616	503211.313
D3	7976633.939	503207.666
D4	7976641.449	503213.158
D5	7976689.795	503335.117
D6	7976681.471	503338.764
D7	7976690.700	503327.158
D8	7976673.928	503321.552

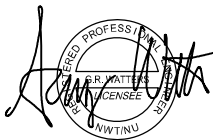
FILL TO +3 - CONTROL POINTS			
No.	NORTHING	EASTING	ELEVATION
T1	7976605.940	503350.189	3.000
T2	7976638.500	503336.538	3.000
T3	7976639.107	503335.729	3.000
T4	7976640.723	503321.523	3.000
T5	7976640.645	503321.008	3.000
T6	7976611.001	503253.366	3.000
T7	7976610.675	503252.961	3.000
T8	7976587.289	503235.858	3.000
T9	7976587.019	503235.718	3.000
T10	7976572.434	503230.776	3.000
T11	7976571.231	503230.653	3.000
T12	7976500.813	503230.936	3.000
T13	7976489.758	503230.024	3.000
T14	7976476.645	503281.820	3.000
T15	7976501.949	503277.521	3.000
T16	7976562.001	503273.517	3.000
T17	7976570.367	503278.212	3.000
T18	7976601.335	503348.385	3.000

NOTES:
1) COORDINATES SHOWN IN UTM (NAD83), ZONE 17, IN METRES.
2) ELEVATIONS SHOWN IN METRES ABOVE CHART DATUM (CD).

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The OPEN CELL system is patented.
PATENT – US 6,715,964 B2
PATENT – US 7,018,141 B2
PATENT – US 7,488,140 B2
PATENT PENDING – CANADA CA2.714.679



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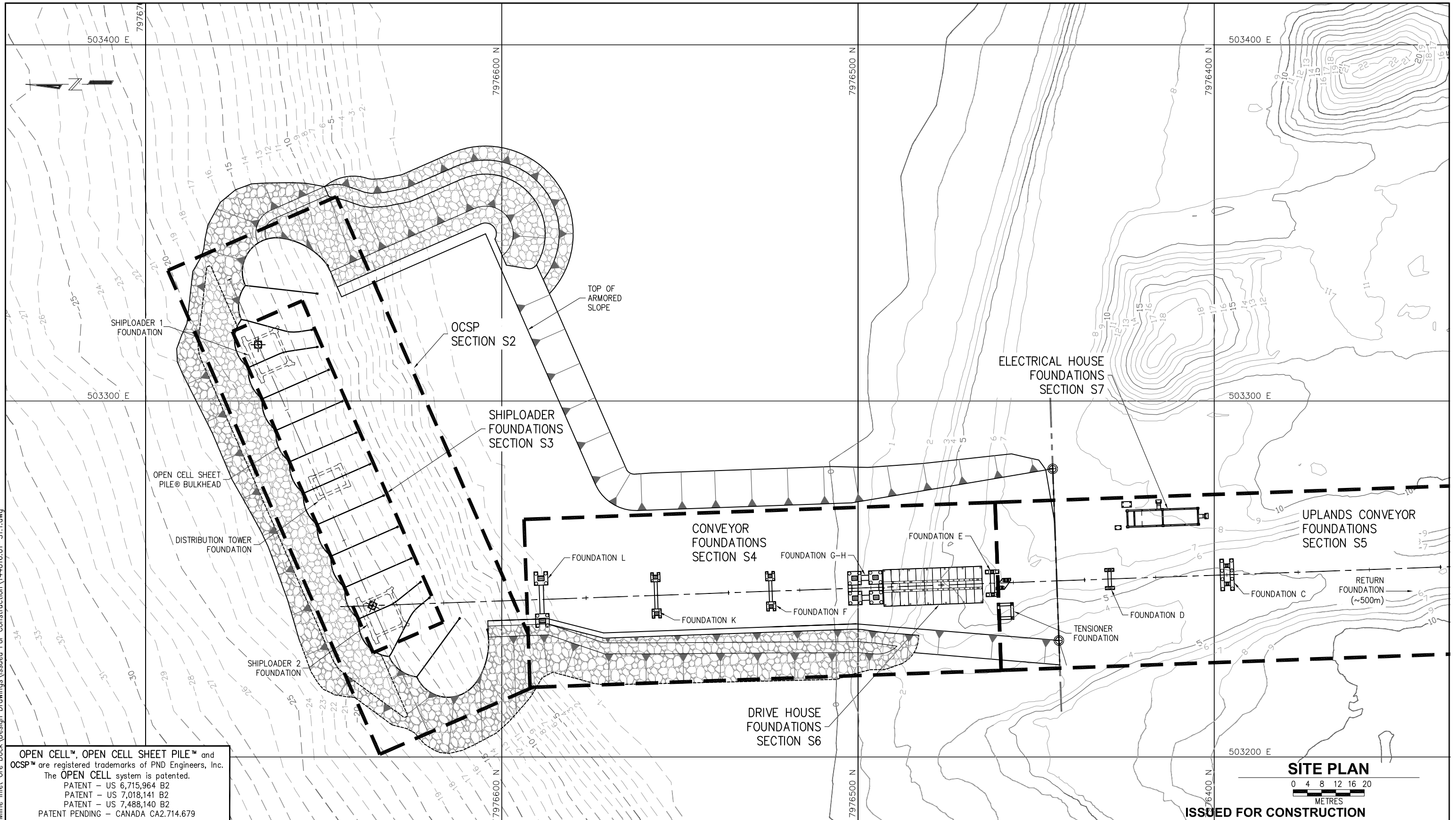


5-30-14

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PROJECT:			
ISSUED FOR CONSTRUCTION			
MILNE INLET ORE DOCK			
TITLE:			
GRADING - POINTS TABLE			
DESIGNED BY:	NJS	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	GW	SCALE:	NOTED
			SHEET NO:
			C2.10

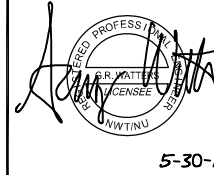
5/30/14 Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S1.1.dwg



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PATENT - US 7,018,141 B2
PATENT - US 7,488,140 B2
PATENT PENDING - CANADA CA2.714.679



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PROJECT: MILNE INLET ORE DOCK			
TITLE: OVERALL STRUCTURAL PLAN			
DESIGNED BY: CK	PROJECT NO: 144016.01	SHEET NO: S1.1	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S1.2.dwg

PILE SCHEDULE							
SHIPLOADER FOUNDATIONS (SHEETS S3.XX)							
LOCATION		DIAMETER (mm)	THICKNESS (mm)	BATTER	ESTIMATED TIP ELEVATION (m)	SERVICE LOAD (kN)	
						COMPRESSION	TENSION
SHIPLOADER 2	A1	914	19	VERTICAL	-32.0	5300	700
	A2	914	19	VERTICAL	-32.0	5300	700
	B1	914	19	VERTICAL	-32.0	5300	700
	B2	914	19	VERTICAL	-32.0	5300	700
	C	610	19	VERTICAL	-32.0	3800	1900
	C-B	610	19	3:1	-32.0	2300	2300
	D	610	19	VERTICAL	-32.0	3800	1900
	D-B	610	19	3:1	-32.0	2300	2300
SHIPLOADER 1	E1	914	19	VERTICAL	-32.0	5300	700
	E2	914	19	VERTICAL	-32.0	5300	700
	F1	914	19	VERTICAL	-32.0	5300	700
	F2	914	19	VERTICAL	-32.0	5300	700
	G	610	19	VERTICAL	-32.0	3800	1900
	G-B	610	19	3:1	-32.0	2300	2300
	H	610	19	VERTICAL	-32.0	3800	1900
	H-B	610	19	3:1	-32.0	2300	2300
DISTRIBUTION TOWER	J	914	19	VERTICAL	-32.0	2500	1800
	K	914	19	VERTICAL	-32.0	2500	1800
	L-B	914	19	4:1	-32.0	2500	1800
	M-B	914	19	4:1	-32.0	2500	1800
CONVEYOR FOUNDATIONS (SHEETS S4.XX)							
LOCATION		DIAMETER (mm)	THICKNESS (mm)	BATTER	ESTIMATED TIP ELEVATION (m)	SERVICE LOAD (kN)	
						COMPRESSION	TENSION
L	L1-NW	914	19	VERTICAL	-24.0	950	550
	L1-NE	914	19	VERTICAL	-24.0	950	550
	L1-SE	914	19	VERTICAL	-24.0	950	550
	L1-SW	914	19	VERTICAL	-24.0	950	550
	L2-NW	914	19	VERTICAL	-24.0	950	550
	L2-NE	914	19	VERTICAL	-24.0	950	550
	L2-SE	914	19	VERTICAL	-24.0	950	550
	L2-SW	914	19	VERTICAL	-24.0	950	550
K	K1-NW	610	19	VERTICAL	-18.0	650	350
	K1-NE	610	19	VERTICAL	-18.0	650	350
	K1-SE	610	19	VERTICAL	-18.0	650	350
	K1-SW	610	19	VERTICAL	-18.0	650	350
	K2-NW	610	19	VERTICAL	-18.0	650	350
	K2-NE	610	19	VERTICAL	-18.0	650	350
	K2-SE	610	19	VERTICAL	-18.0	650	350
	K2-SW	610	19	VERTICAL	-18.0	650	350

CONVEYOR FOUNDATIONS, CONT. (SHEETS S4.XX)							
LOCATION		DIAMETER (mm)	THICKNESS (mm)	BATTER	ESTIMATED TIP ELEVATION (m)	SERVICE LOAD (kN)	
						COMPRESSION	TENSION
F	F1-NW	610	19	VERTICAL	-15.0	600	350
	F1-NE	610	19	VERTICAL	-15.0	600	350
	F1-SE	610	19	VERTICAL	-15.0	600	350
	F1-SW	610	19	VERTICAL	-15.0	600	350
	F2-NW	610	19	VERTICAL	-15.0	600	350
	F2-NE	610	19	VERTICAL	-15.0	600	350
	F2-SE	610	19	VERTICAL	-15.0	600	350
	F2-SW	610	19	VERTICAL	-15.0	600	350
G-H	G1-NW	914	19	VERTICAL	-20.0	1400	0
	G1-NE	914	19	VERTICAL	-20.0	1400	0
	G1-SE	914	19	VERTICAL	-20.0	1400	0
	G1-SW	914	19	VERTICAL	-20.0	1400	0
	G2-NW	914	19	VERTICAL	-20.0	1400	0
	G2-NE	914	19	VERTICAL	-20.0	1400	0
	G2-SE	914	19	VERTICAL	-20.0	1400	0
	G2-SW	914	19	VERTICAL	-20.0	1400	0
	H1-NW	914	19	VERTICAL	-20.0	350	900
	H1-NE	914	19	VERTICAL	-20.0	350	900
	H1-SE	914	19	VERTICAL	-20.0	350	900
	H1-SW	914	19	VERTICAL	-20.0	350	900
	H2-NW	914	19	VERTICAL	-20.0	350	900
	H2-NE	914	19	VERTICAL	-20.0	350	900
	H2-SE	914	19	VERTICAL	-20.0	350	900
	H2-SW	914	19	VERTICAL	-20.0	350	900
E	E1-N	914	19	VERTICAL	-18.0	850	250
	E1-S	914	19	VERTICAL	-18.0	850	250
	E2-N	914	19	VERTICAL	-18.0	850	250
	E2-S	914	19	VERTICAL	-18.0	850	250

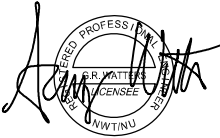
NOTES:

- SHIPLOADER AND FOUNDATIONS L AND K PILES SHALL BE INSTALLED TO MINIMUM TIP ELEVATIONS SHOWN.
- ALL OTHER TIP ELEVATIONS SHALL BE FIELD VERIFIED BY THE ENGINEER BASED ON ADFREEZE STRENGTH AND CREEP PROPERTIES OF THE SOILS ENCOUNTERED.
- SHIPLOADER AND FOUNDATIONS L AND K PILE CAPACITIES SHALL BE VERIFIED BY THE ENGINEER TO MEET THE PILE DRIVING CRITERIA.
- ALL OTHER LOADS PROVIDED FOR REFERENCE.

ISSUED FOR CONSTRUCTION



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PROJECT:				MILNE INLET ORE DOCK	
TITLE:				PIPE PILE SCHEDULE - 1 of 2	
DESIGNED BY:	CK	PROJECT NO:	144016.01	SHEET NO:	S1.2
DRAWN BY:	DRH	DATE:	MAY 2014		
CHECKED BY:	TB	SCALE:	NOTED		

5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S1.3.dwg

PILE SCHEDULE (CONT.)							
UPLANDS CONVEYOR FOUNDATIONS (SHEETS S5.XX)							
LOCATION		DIAMETER (mm)	THICKNESS (mm)	BATTER	ESTIMATED TIP ELEVATION (m)	SERVICE LOAD (kN)	
						COMPRESSION	TENSION
TURNING	T3-N	610	19	VERTICAL	-8.0	200	0
	T3-S	610	19	VERTICAL	-8.0	200	150
	T4-N	610	19	VERTICAL	-8.0	200	0
	T4-S	610	19	VERTICAL	-8.0	200	150
TENSIONER	T1-N	610	19	VERTICAL	-8.0	250	0
	T1-S	610	19	VERTICAL	-8.0	250	0
	T2-N	610	19	VERTICAL	-8.0	250	0
	T2-S	610	19	VERTICAL	-8.0	250	0
D	D1-N	610	19	VERTICAL	-5.0	500	0
	D1-S	610	19	VERTICAL	-5.0	500	0
	D2-N	610	19	VERTICAL	-5.0	500	100
	D2-S	610	19	VERTICAL	-5.0	500	100
C	C1-NW	914	19	VERTICAL	-5.0	300	0
	C1-NE	914	19	VERTICAL	-5.0	300	0
	C1-SE	914	19	VERTICAL	-5.0	100	100
	C1-SW	914	19	VERTICAL	-5.0	100	100
	C2-NW	914	19	VERTICAL	-5.0	300	0
	C2-NE	914	19	VERTICAL	-5.0	300	0
	C2-SE	914	19	VERTICAL	-5.0	100	100
	C2-SW	914	19	VERTICAL	-5.0	100	100
RETURN	R-A1	914	19	VERTICAL	-6.0	100	500
	R-A-CTR	914	19	VERTICAL	-6.0	100	500
	R-A2	914	19	VERTICAL	-6.0	100	500
	R-B1	914	19	VERTICAL	-6.0	650	0
	R-B-CTR	914	19	VERTICAL	-6.0	650	0
	R-B2	914	19	VERTICAL	-6.0	650	0
DRIVE HOUSE (SHEETS S6.XX)							
LOCATION		DIAMETER (mm)	THICKNESS (mm)	BATTER	ESTIMATED TIP ELEVATION (m)	SERVICE LOAD (kN)	
						COMPRESSION	TENSION
DRIVE HOUSE	DH-A1	610	19	VERTICAL	-13.0	900	0
	DH-A2	610	19	VERTICAL	-13.0	900	0
	DH-A3	610	19	VERTICAL	-13.0	900	0
	DH-A4	610	19	VERTICAL	-13.0	900	0
	DH-B2	610	19	VERTICAL	-13.0	1400	0
	DH-B3	610	19	VERTICAL	-13.0	1400	0
	DH-C1	610	19	VERTICAL	-13.0	900	0
	DH-C4	610	19	VERTICAL	-13.0	900	0
	DH-D2	610	19	VERTICAL	-13.0	900	0
	DH-D3	610	19	VERTICAL	-13.0	900	0
	DH-E1	610	19	VERTICAL	-13.0	900	0
	DH-E2	610	19	VERTICAL	-13.0	900	0
	DH-E3	610	19	VERTICAL	-13.0	900	0
	DH-E4	610	19	VERTICAL	-13.0	900	0

PILE SCHEDULE (CONT.)							
ELECTRICAL HOUSE (SHEETS S7.XX)							
LOCATION		DIAMETER (mm)	THICKNESS (mm)	BATTER	ESTIMATED TIP ELEVATION (m)	SERVICE LOAD (kN)	
						COMPRESSION	TENSION
ELECTRICAL HOUSE	EH-A1	610	19	VERTICAL	-7	400	0
	EH-A2	610	19	VERTICAL	-7	400	0
	EH-B1	610	19	VERTICAL	-7	400	0
	EH-B2	610	19	VERTICAL	-7	400	0
	EH-C1	610	19	VERTICAL	-7	400	0
	EH-C2	610	19	VERTICAL	-7	400	0

NOTES:

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- ALL OTHER TIP ELEVATIONS SHALL BE FIELD VERIFIED BY THE ENGINEER BASED ON ADFREEZE STRENGTH AND CREEP PROPERTIES OF THE SOILS ENCOUNTERED.
- SHIPLOADER AND FOUNDATIONS L AND K PILE CAPACITIES SHALL BE VERIFIED BY THE ENGINEER TO MEET THE PILE DRIVING CRITERIA.

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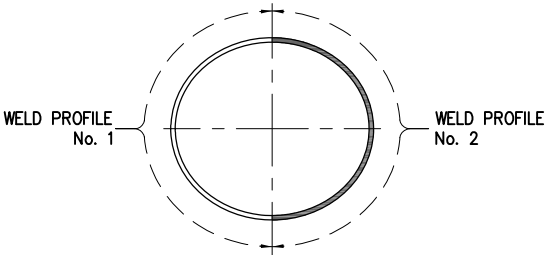


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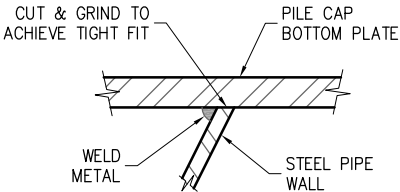
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PROJECT:				MILNE INLET ORE DOCK	
TITLE:				PIPE PILE SCHEDULE - 2 of 2	
DESIGNED BY:	CK	PROJECT NO:	144016.01	SHEET NO:	S1.3
DRAWN BY:	DRH	DATE:	MAY 2014		
CHECKED BY:	TB	SCALE:	NOTED		

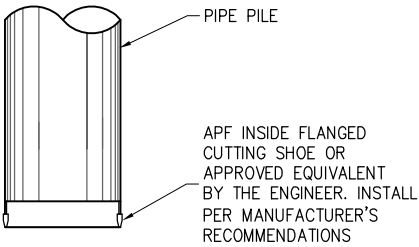
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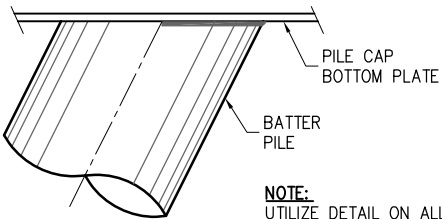
PLAN



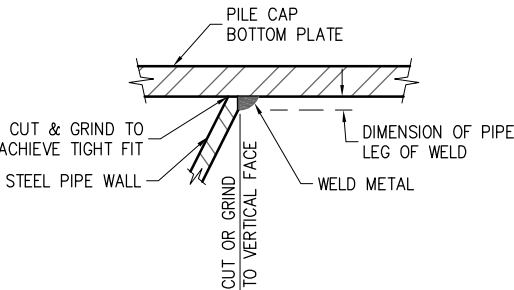
No. 1
WELD PROFILE



OPEN SHOE

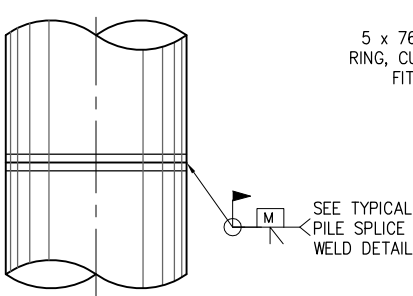


SIDE VIEW



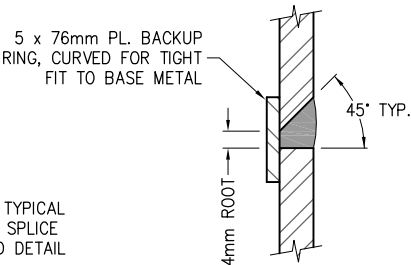
No. 2
WELD PROFILE

BATTER PILE WELD
(ALL BATTER PILES)

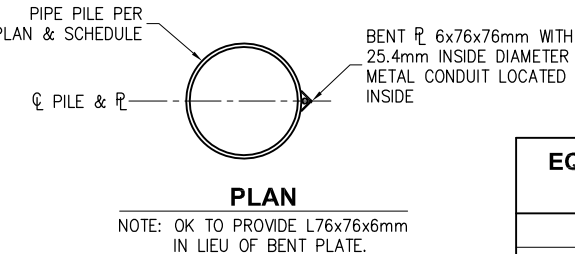


PILE SPLICE

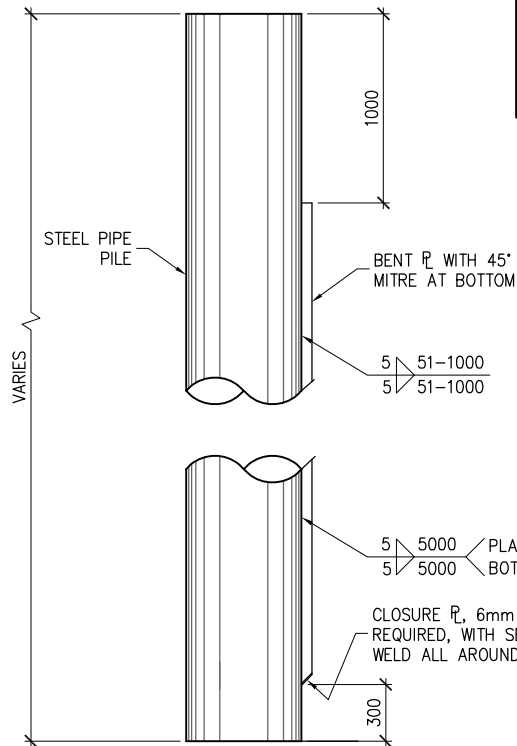
TYPICAL FOR ALL FIELD PIPE PILE SPLICES
(SHOP WELDS, IF REQ'D. SIMILAR)



PILE SPLICE WELD



PLAN



ELEVATION

EQUIPMENT SLEEVE DETAIL

EQUIPMENT SLEEVE
SCHEDULE

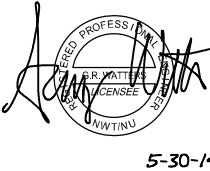
C2-NW
D2-NW
E2-NW
F2-NW
G2-NW
DH-B2

NOTE:
SCHEDULE DENOTES PILE TO HAVE
SLEEVE ATTACHED. SEE PILE
SCHEDULE ON SHEETS S1.2 & S1.3
FOR ADDITIONAL INFORMATION

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


REVISIONS		
REV	DATE	DESCRIPTION
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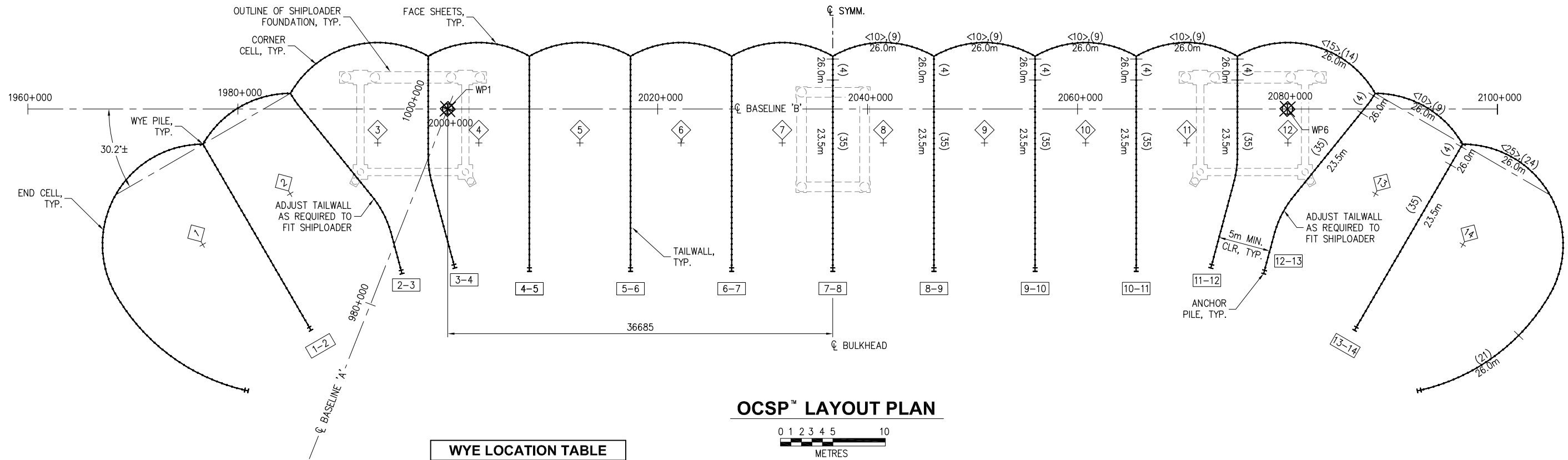
PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
PILE DETAILS			
DESIGNED BY:	CK	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S1.4

5/12/14
Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\100% Design\144016.01-S2.1.dwg

LEGEND

-  CELL NUMBER
-  TAILWALL/WYE NUMBER

- <10>, (9) = NUMBER OF BENT, FLAT SHEETS
- 26.0m = SHEET LENGTH
- LENGTH OF ANCHOR & WYE PILE NOT SHOWN, SEE SCHEDULE
 - FACE SHEETS ALTERNATE BENT AND FLAT



OCSP™ LAYOUT PLAN



WYE LOCATION TABLE

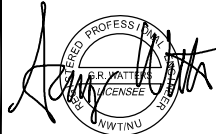
WYE	STATION	OFFSET
1-2	1976+681	3.358 RT
2-3	1985+013	1.483 LT
3-4	1998+142	5.020 LT
4-5	2007+778	5.020 LT
5-6	2017+413	5.020 LT
6-7	2027+049	5.020 LT
7-8	2036+685	5.020 LT
8-9	2046+321	5.020 LT
9-10	2055+957	5.020 LT
10-11	2065+592	5.020 LT
11-12	2075+228	5.020 LT
12-13	2088+357	1.483 LT
13-14	2096+689	3.358 RT

NOTE: LOCATIONS DENOTE THE CENTRE OF EACH WYE.

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The OPEN CELL system is patented.
PATENT - US 6,715,964 B2
PATENT - US 7,018,141 B2
PATENT - US 7,488,140 B2
PATENT PENDING - CANADA CA2.714.679



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5-30-14

REVISIONS

REV	DATE	DESCRIPTION

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ISSUED FOR CONSTRUCTION

MILNE INLET ORE DOCK

OCSP™- SHEETPILE PLAN

PROJECT:	MILNE INLET ORE DOCK		
TITLE:	OCSP™- SHEETPILE PLAN		
DESIGNED BY:	CK	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:	S2.1		

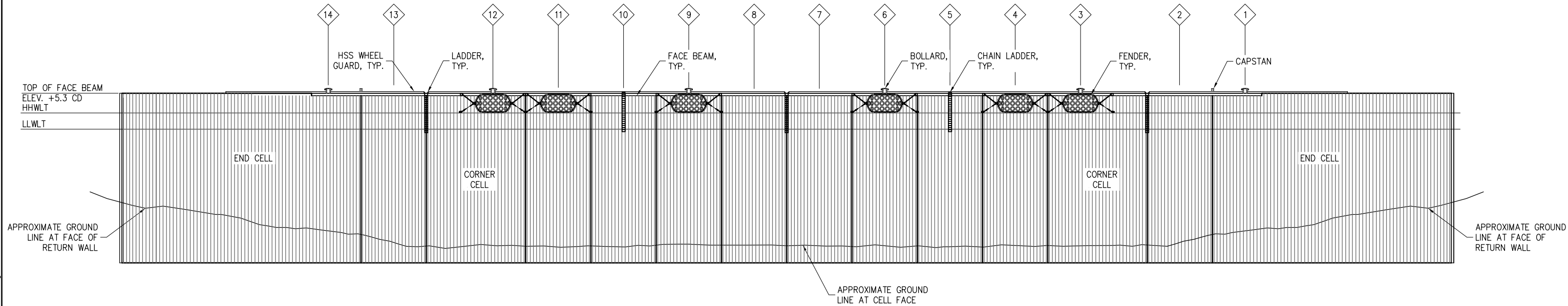
5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S2.2.dwg

LEGEND

X

+

CELL NUMBER

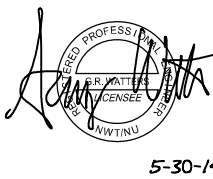


FOLD-OUT ELEVATION
LOOKING SOUTH

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PATENT – US 6,715,964 B2
PATENT – US 7,018,141 B2
PATENT – US 7,488,140 B2
PATENT PENDING – CANADA CA2.714.679

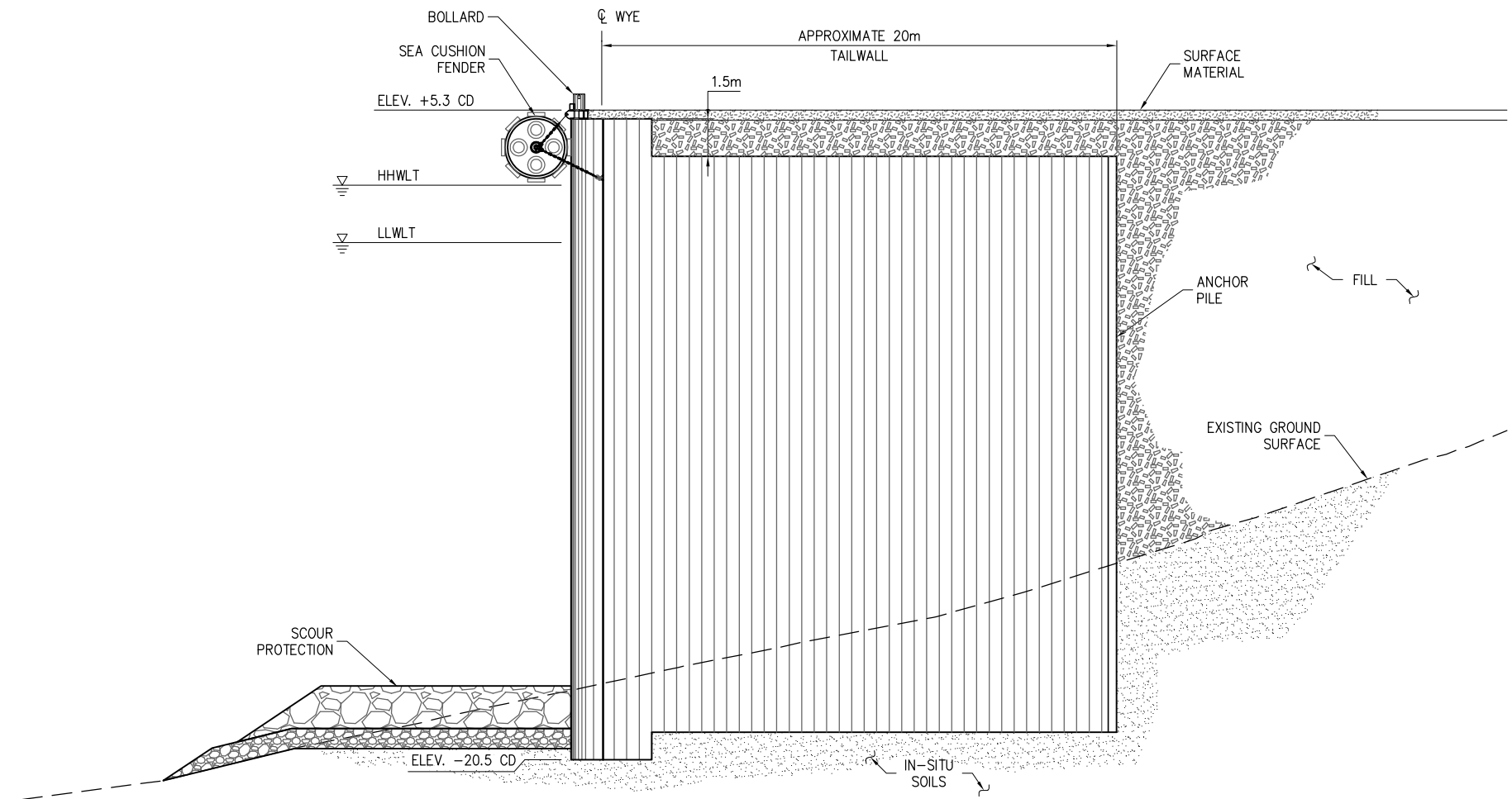


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REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT: ISSUED FOR CONSTRUCTION			
MILNE INLET ORE DOCK			
TITLE: OCSP™- FACE ELEVATION			
DESIGNED BY: CK	PROJECT NO: 144016.01	SHEET NO: S2.2	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

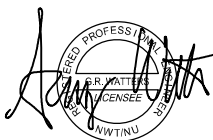


TYPICAL SECTION

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The OPEN CELL system is patented.
PATENT – US 6,715,964 B2
PATENT – US 7,018,141 B2
PATENT – US 7,488,140 B2
PATENT PENDING – CANADA CA2.714.679



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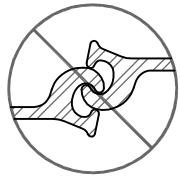
REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
OCSP - SECTION			
DESIGNED BY:	CK	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S2.3

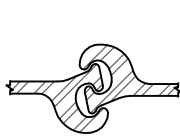
5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S2.4.dwg

SHEET PILE SCHEDULE						
Cell Face or Tailwall	Flat Sheets			Bent Sheets	Wye Pile	Anchor Pile
	AS 500-12.7	AS 500-9.5*		AS 500-12.7	AS 500-12.7	AS 500-9.5* HP 360X133
	26.0m	26.0m	23.5m	26.0m	26.0m	23.5m
1	45			25		1
1-2		4	35		1	1
2	9			10		
2-3		4	35		1	1
3	14			15		
3-4		4	35		1	1
4	9			10		
4-5		4	35		1	1
5	9			10		
5-6		4	35		1	1
6	9			10		
6-7		4	35		1	1
7	9			10		
7-8		4	35		1	1
8	9			10		
8-9		4	35		1	1
9	9			10		
9-10		4	35		1	1
10	9			10		
10-11		4	35		1	1
11	9			10		
11-12		4	35		1	1
12	14			15		
12-13		4	35		1	1
13	9			10		
13-14		4	35		1	1
14	45			25		1
SPARES	40			10	2	2
Total No	248	52	455	190	15	17

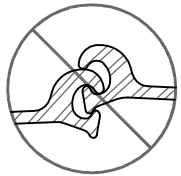
* NOTE: AS 500-12.7 CAN BE SUBSTITUTED FOR ANY AS 500-9.5



INCORRECT



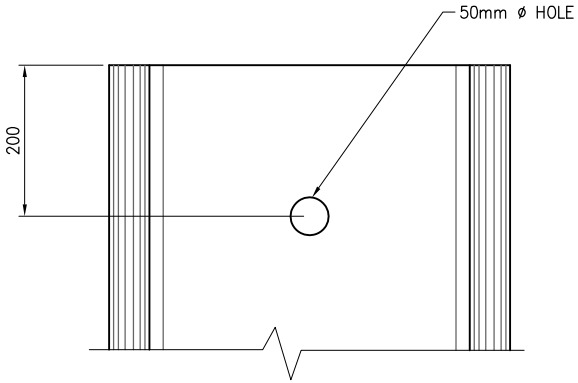
CORRECT



INCORRECT

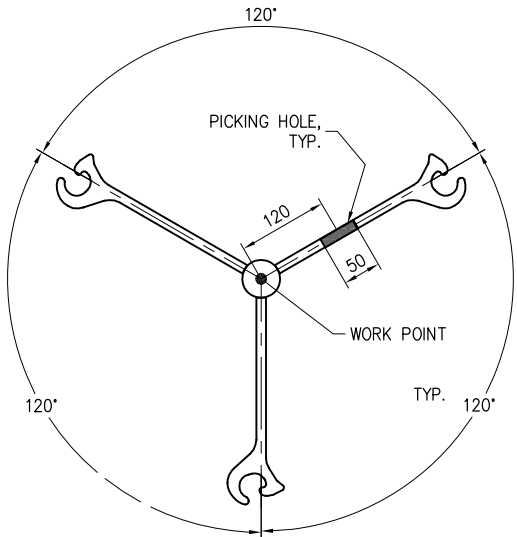
SHEET PILE INTERLOCK
TYPICAL DETAIL

NOTE: ORIENTATION OF INTERLOCKS IS CRITICAL,
VIEW SHOWN FROM TOP.

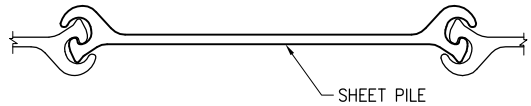


PICKING HOLE

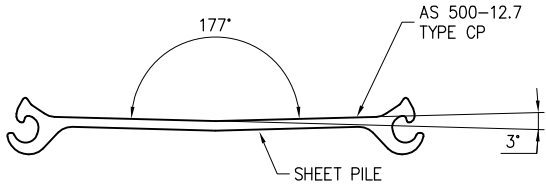
PROVIDE AT EACH FLAT AND BENT SHEET



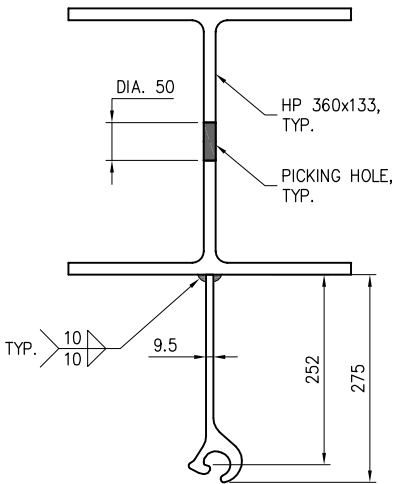
WELDED WYE PILE



FLAT SHEET PILE



BENT SHEET PILE



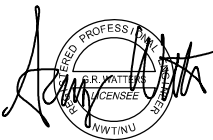
ANCHOR PILE

NOTE:
TYPICAL SHEET PILE DIMENSIONS AND
WELDED WYE PILE DETAILS BY SHEET
SUPPLIER Arcelor Mittal.

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PATENT - US 7,018,141 B2
PATENT - US 7,488,140 B2
PATENT PENDING - CANADA CA2.714.679



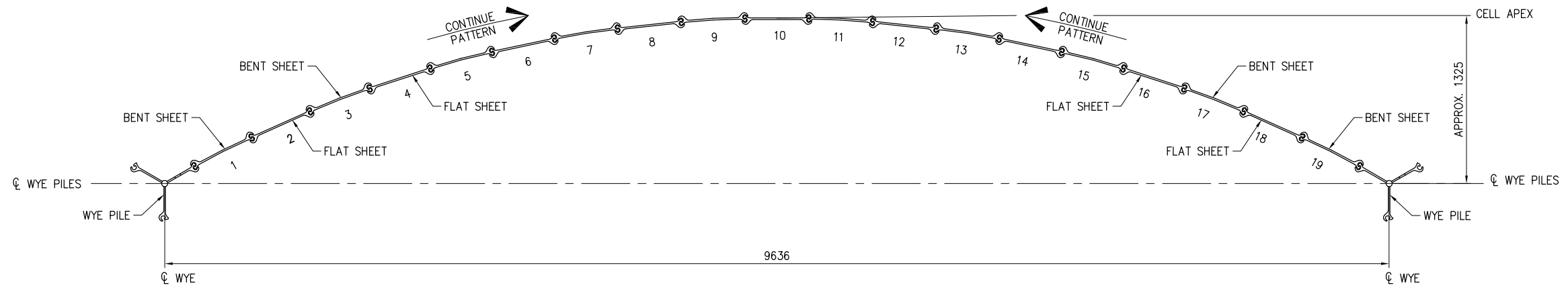
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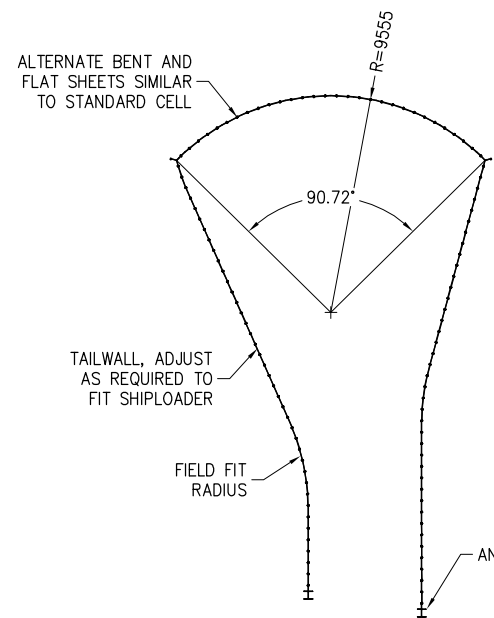
5-30-14

REVISIONS		
REV	DATE	DESCRIPTION
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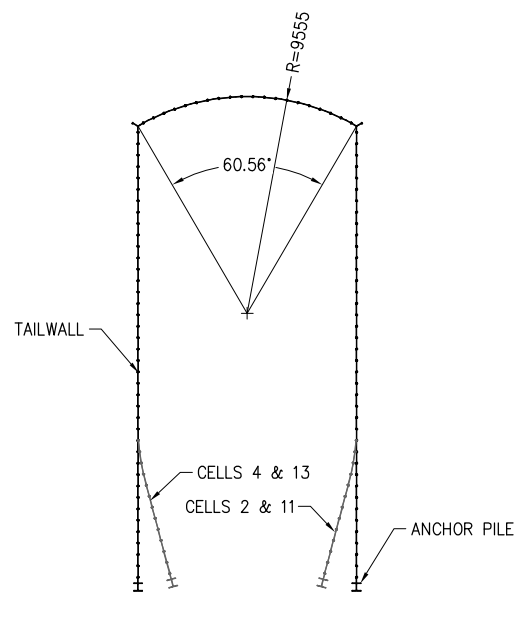
PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
OCSP™- SHEETPILE SCHEDULE AND DETAILS			
DESIGNED BY:	CK	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S2.4



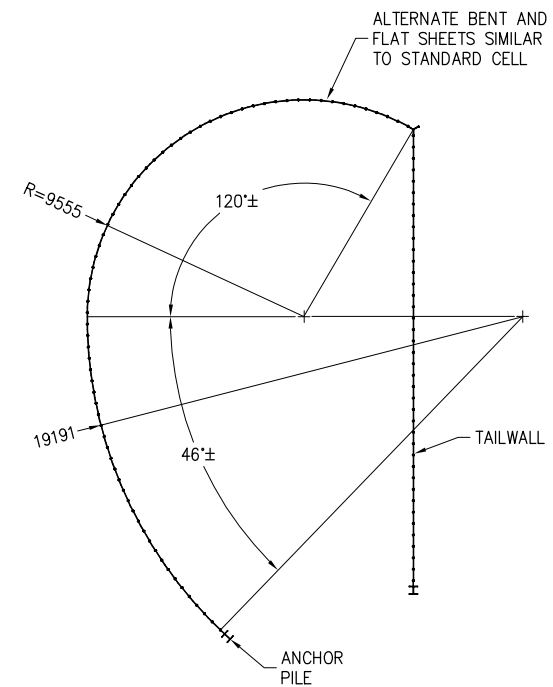
STANDARD CELL SHEETPILE ORIENTATION



CORNER CELL 3 & 12
(CORNER CELL 3 SHOWN, CORNER CELL 12 SIMILAR)



STANDARD CELL
(CELLS 2, 4-11, 13)

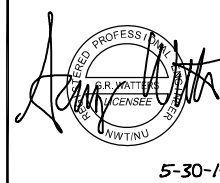


END CELL
(CELL 1 & 14)

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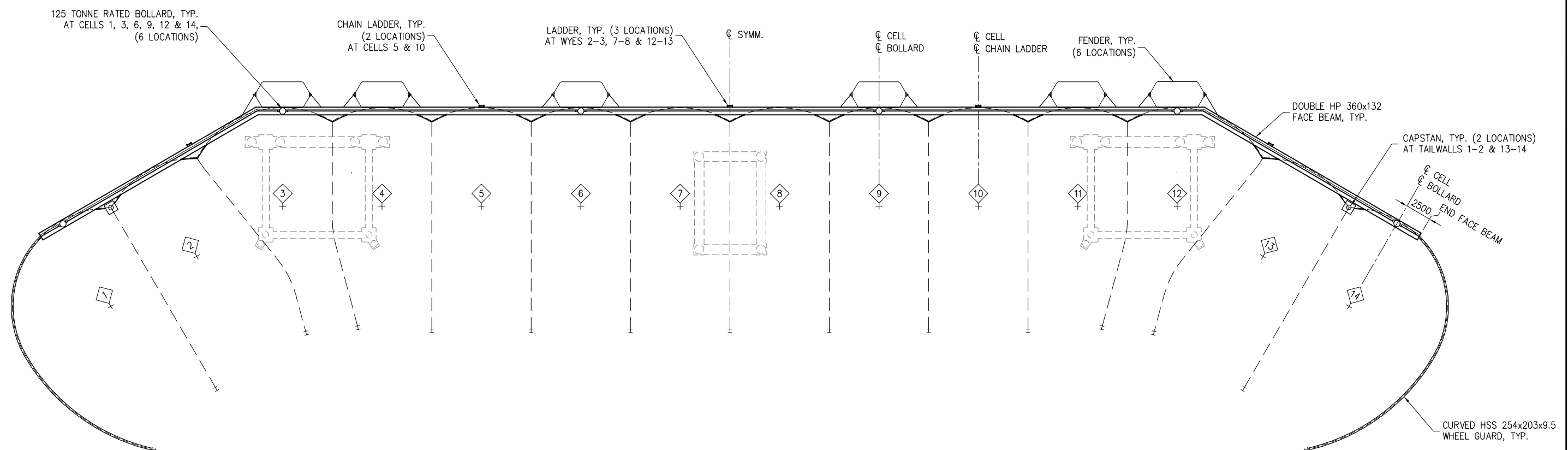


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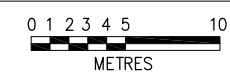


REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT: MILNE INLET ORE DOCK			
TITLE: OCSP™- SHEETPILE DETAILS			
DESIGNED BY: CK	PROJECT NO: 144016.01	SHEET NO: S2.5	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		



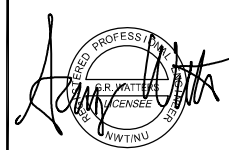
PLAN



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PATENT – US 7,018,141 B2
PATENT – US 7,488,140 B2
PATENT PENDING – CANADA CA2.714.679



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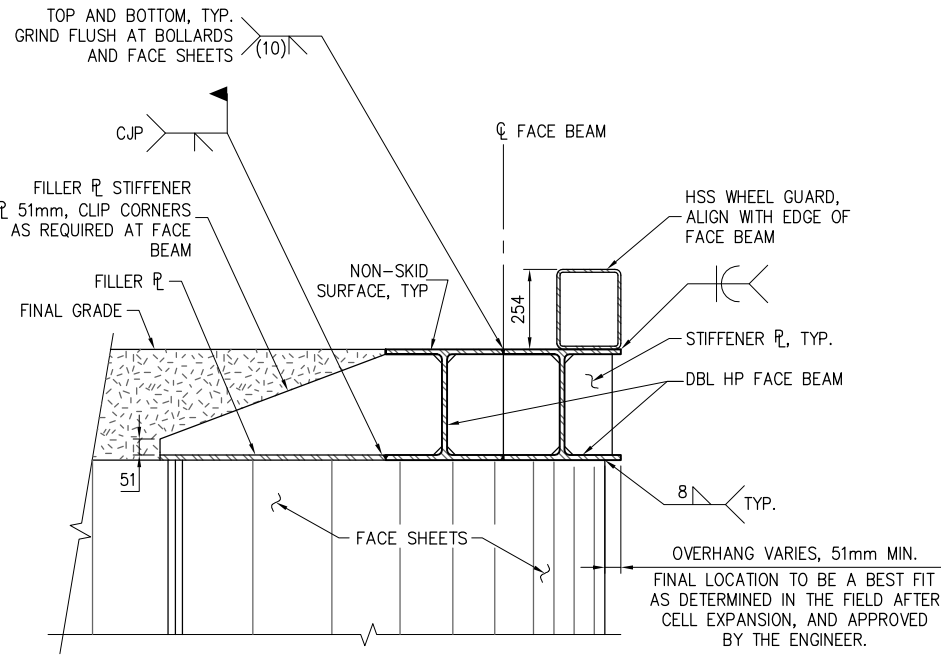


5-30-14

REVISIONS		
REV	DATE	DESCRIPTION
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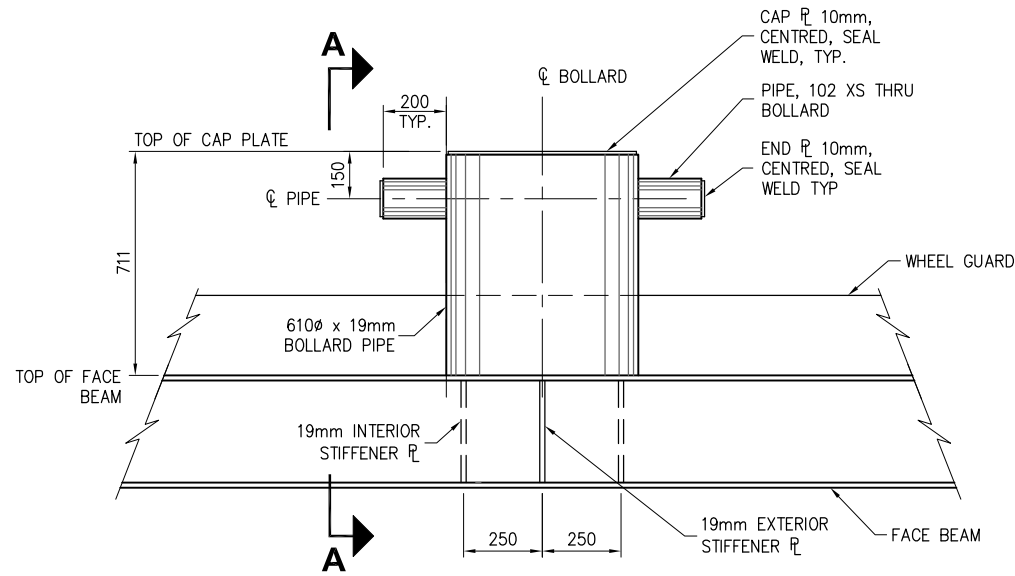
PROJECT: MILNE INLET ORE DOCK			
TITLE: OCSP™ - FACE BEAM PLAN			
DESIGNED BY: CK	PROJECT NO: 144016.01	SHEET NO: S2.6	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

5/30/14 Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S2.7.dwg

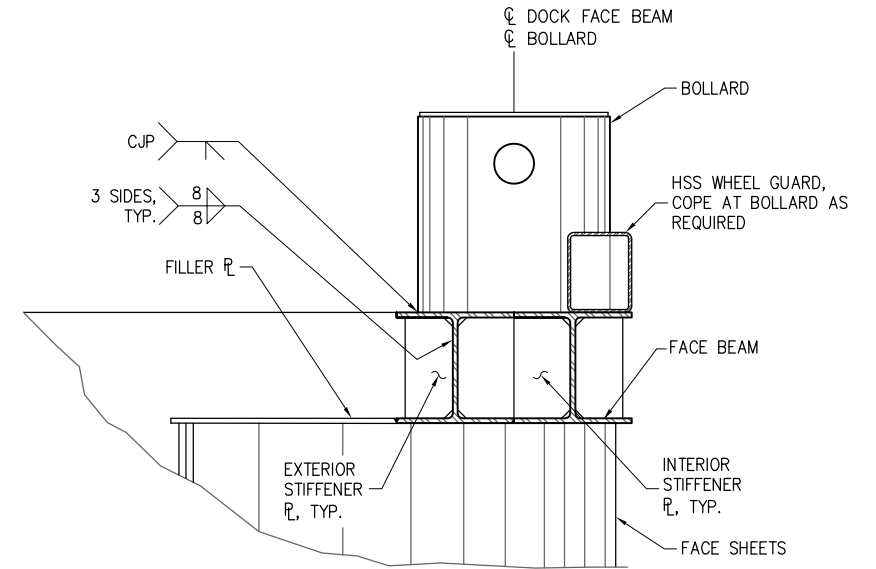


TYPICAL FACE BEAM SECTION

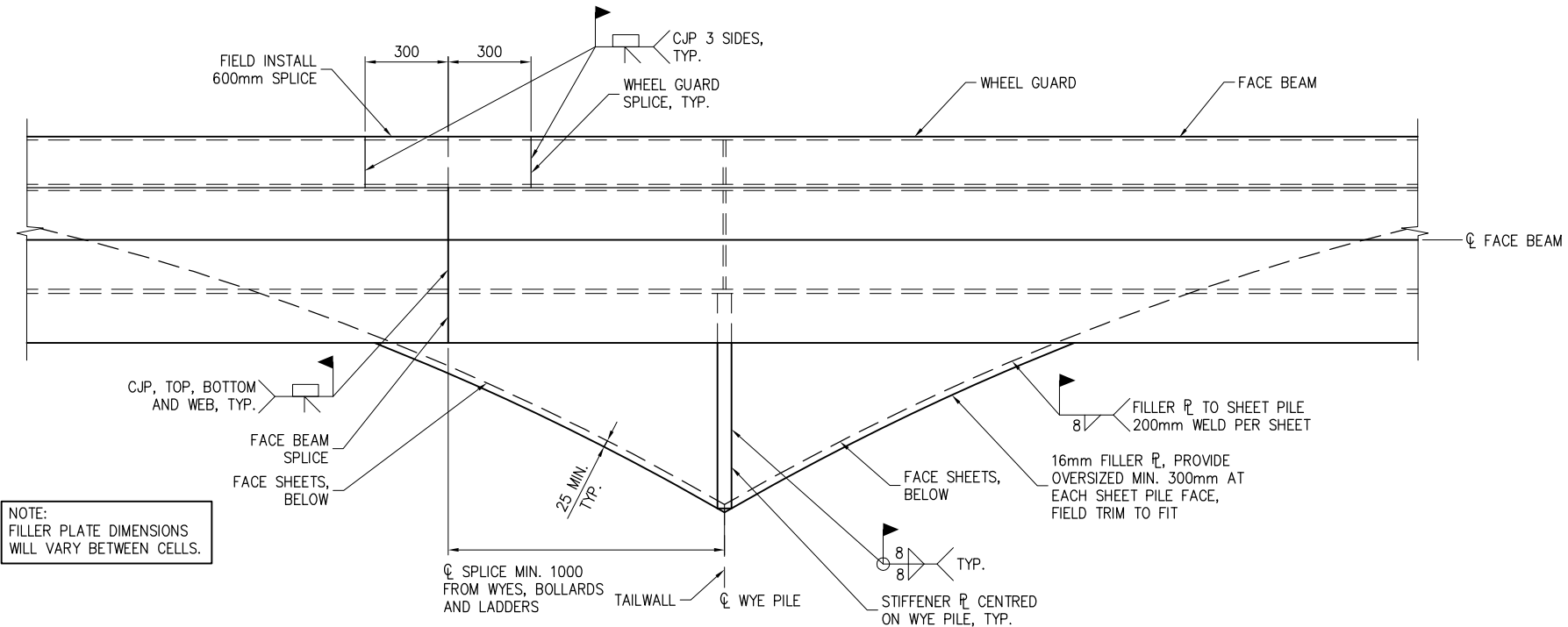
(REMOVABLE RAILING NOT SHOWN FOR CLARITY)



BOLLARD ELEVATION



SECTION A-A



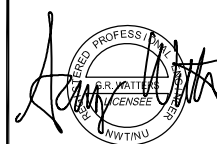
NOTE:
FILLER PLATE DIMENSIONS
WILL VARY BETWEEN CELLS.

FILLER PLATE PLAN

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PATENT - US 7,018,141 B2
PATENT - US 7,488,140 B2
PATENT PENDING - CANADA CA2.714.679



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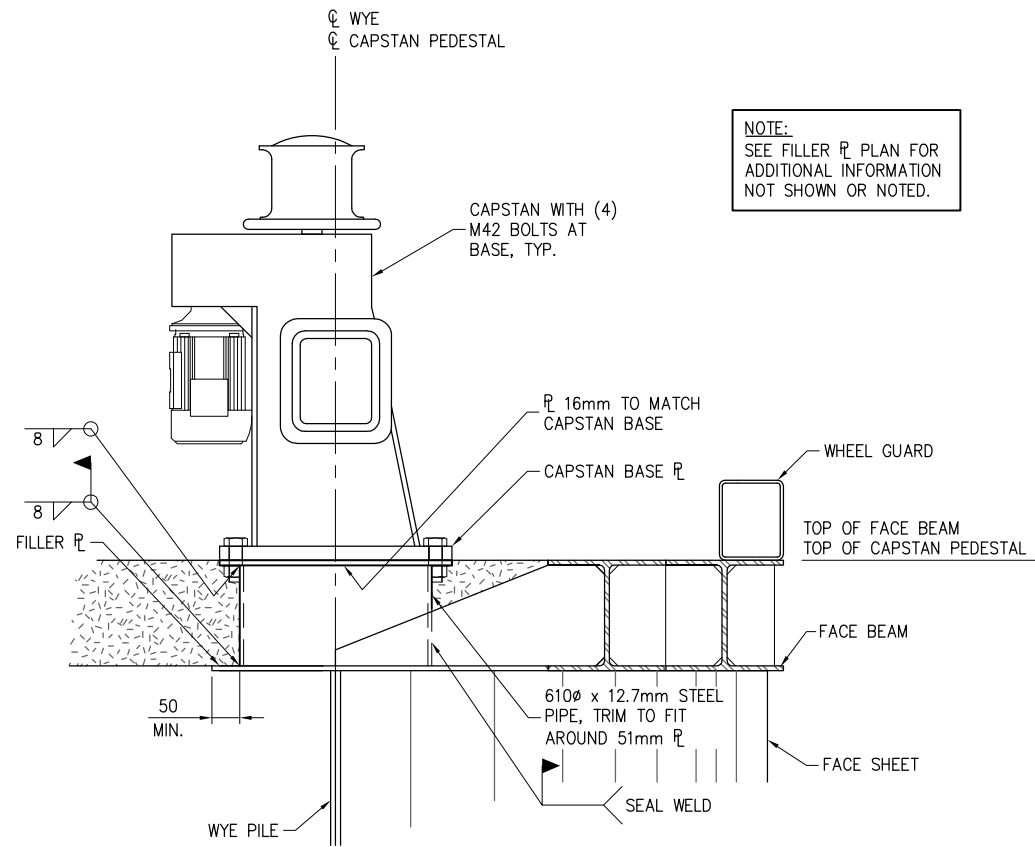


5-30-14

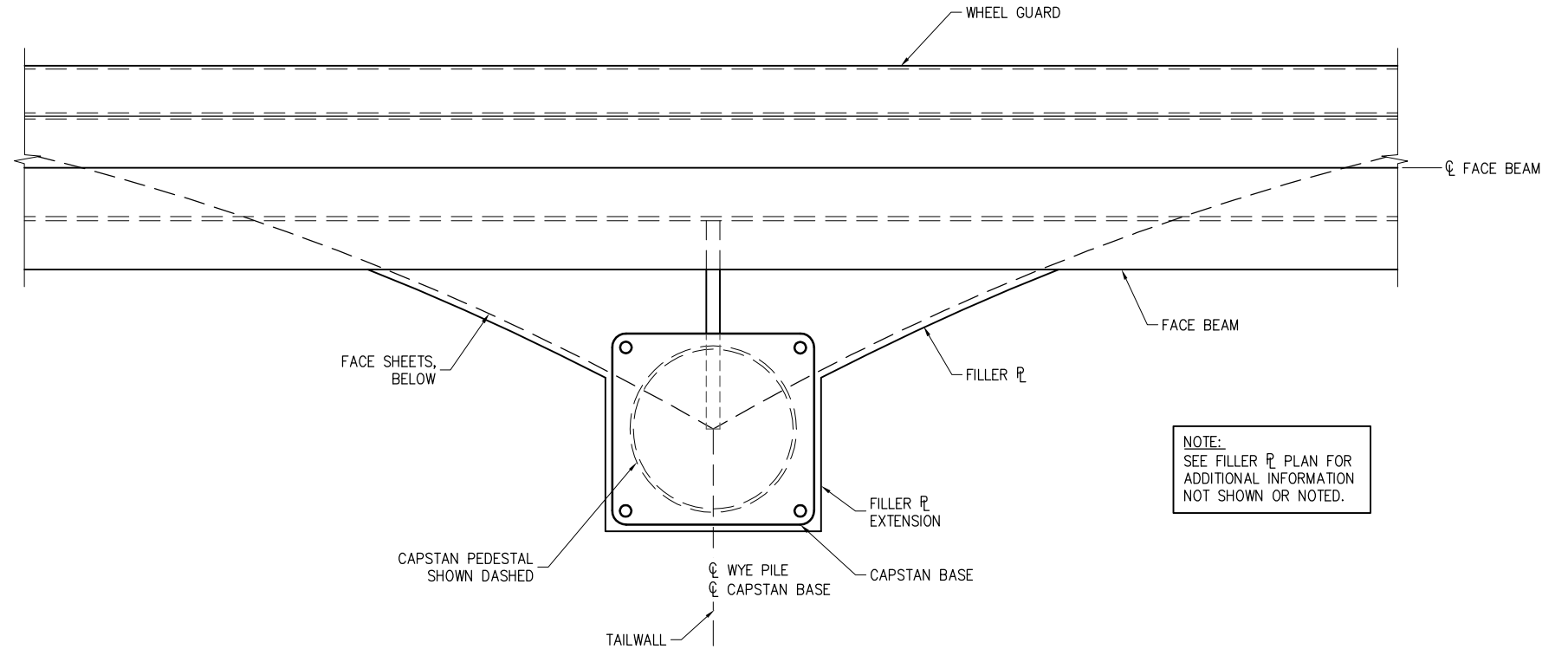
REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
OCSP™- FACE BEAM AND BOLLARD DETAILS			
DESIGNED BY:	CK	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S2.7

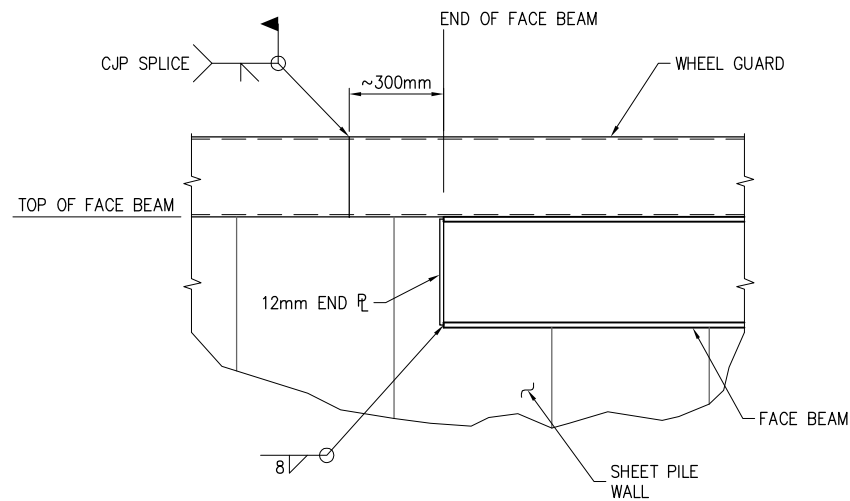
5/9/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\100% Design\144016.01-S2.8.dwg



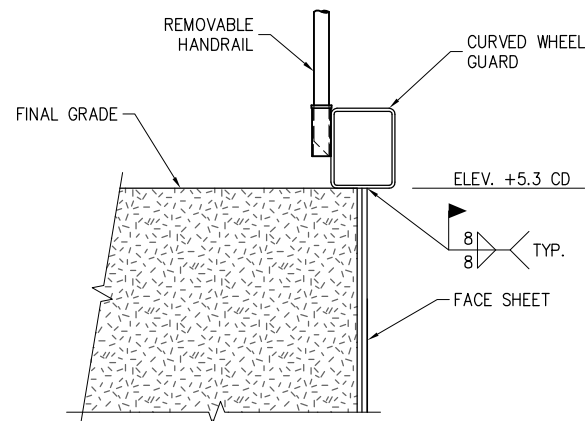
CAPSTAN SECTION



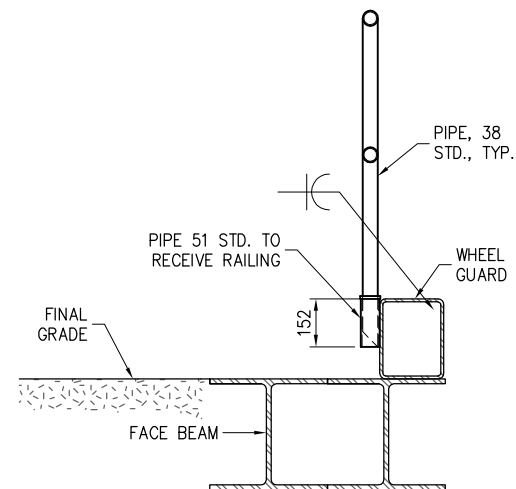
FILLER PLATE PLAN AT CAPSTAN



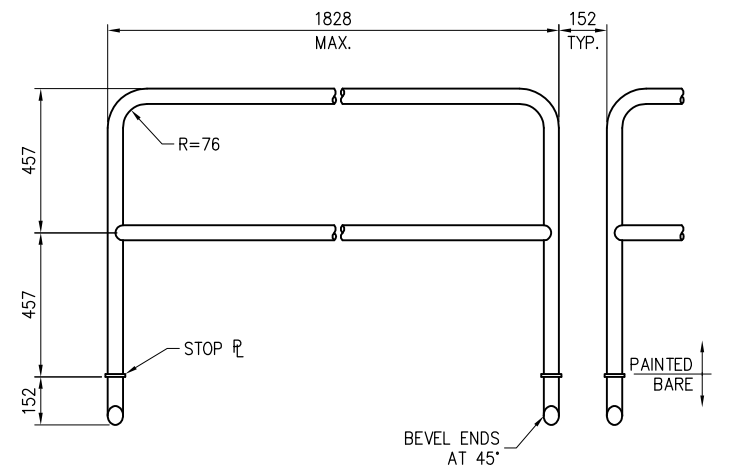
WHEEL GUARD ELEVATION



CURVED WHEEL GUARD SECTION



SECTION

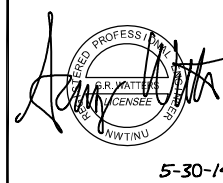


ELEVATION

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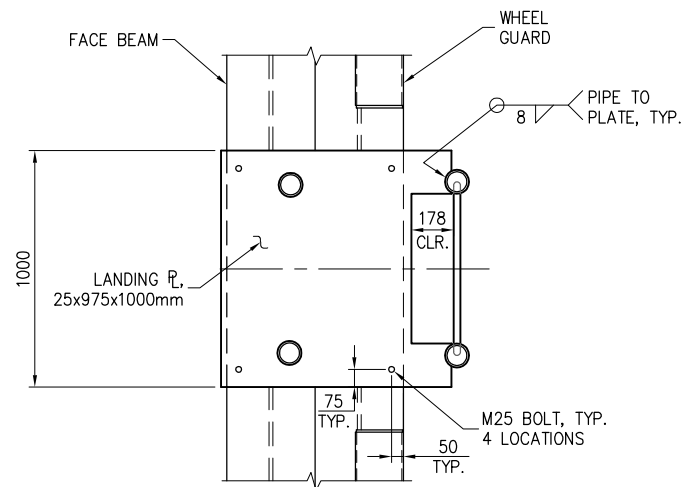


REVISIONS		
REV	DATE	DESCRIPTION

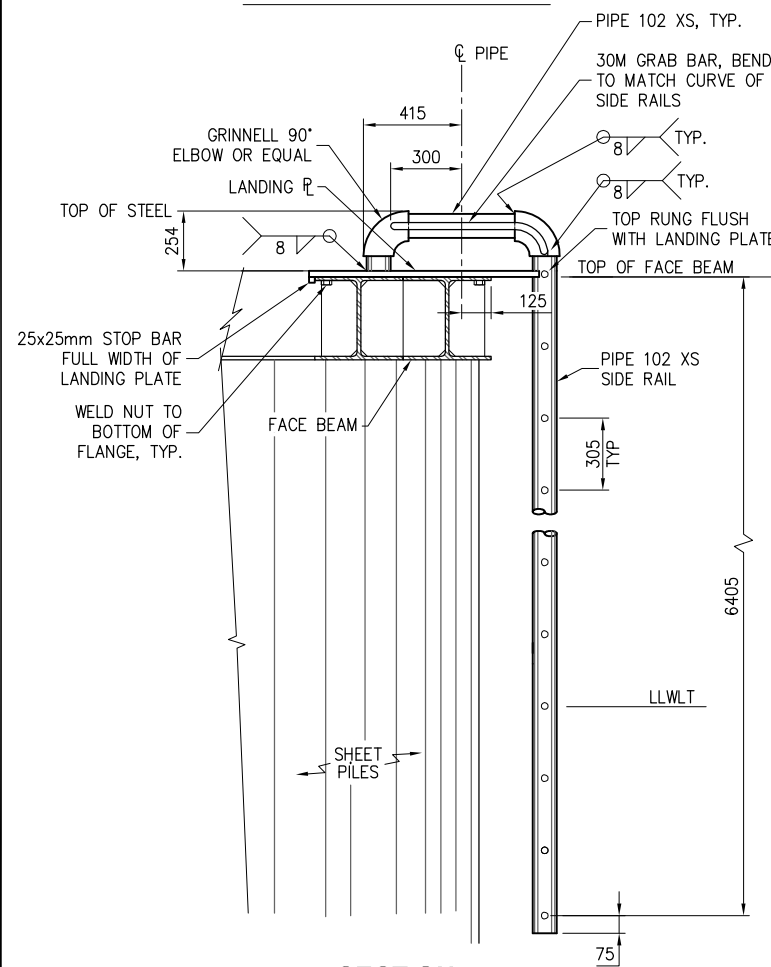
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PROJECT: MILNE INLET ORE DOCK			
TITLE: OCSP™- CAPSTAN AND WHEEL GUARD DETAILS			
DESIGNED BY: CK	PROJECT NO: 144016.01	SHEET NO: S2.8	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

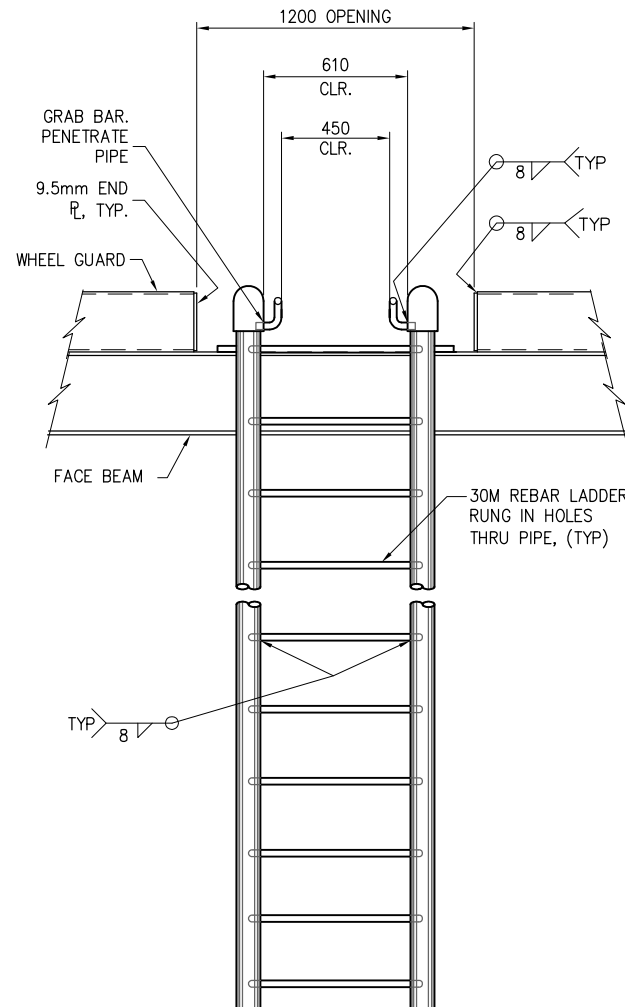
5/30/14 Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S2.9.dwg



LANDING PLATE PLAN

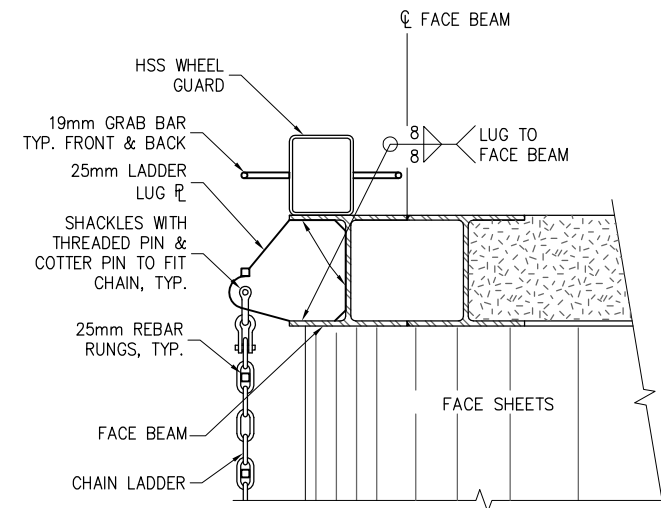


SECTION

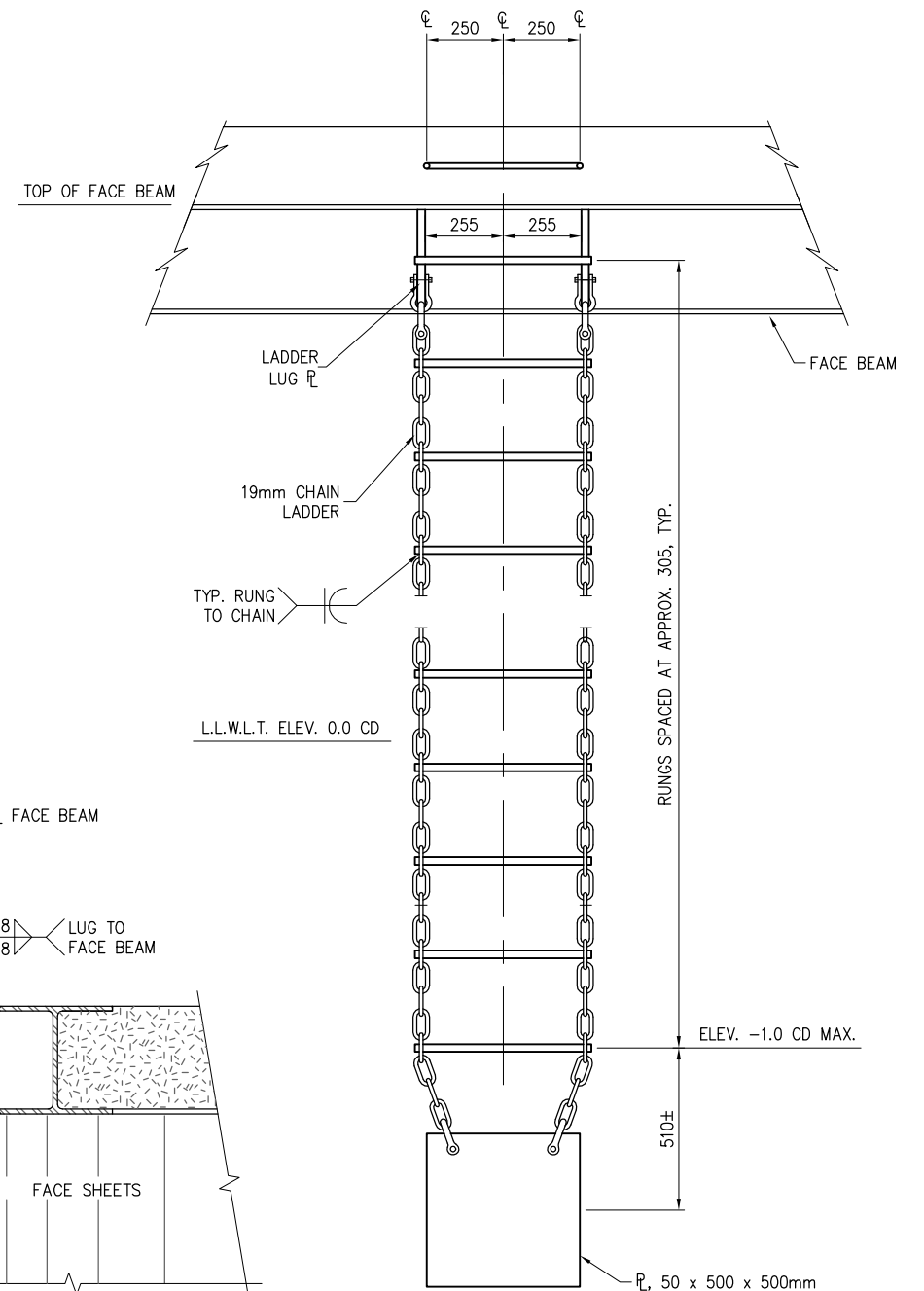


ELEVATION

LADDER



SECTION



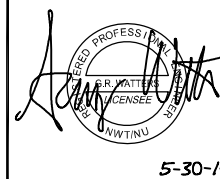
ELEVATION

CHAIN LADDER

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PATENT - US 7,018,141 B2
PATENT - US 7,488,140 B2
PATENT PENDING - CANADA CA2.714.679



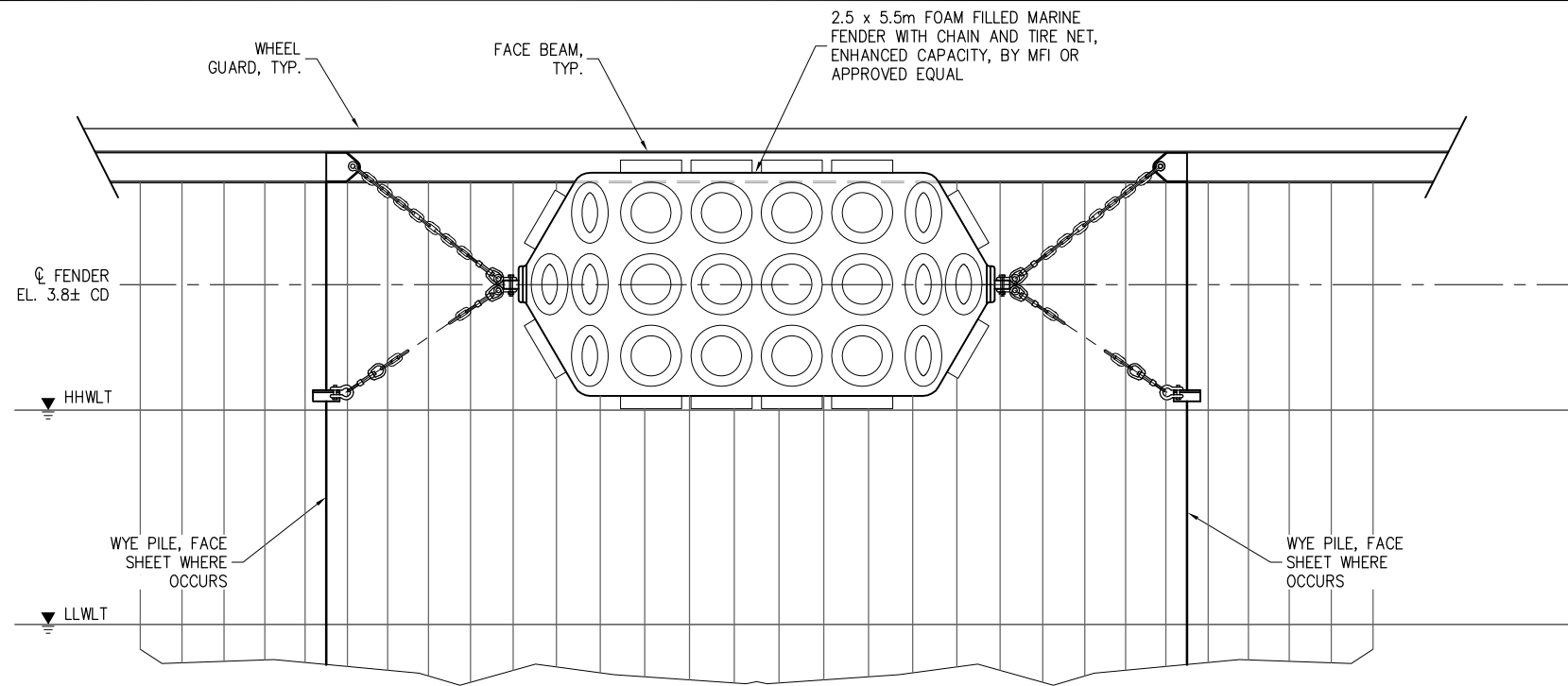
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REVISIONS		
REV	DATE	DESCRIPTION
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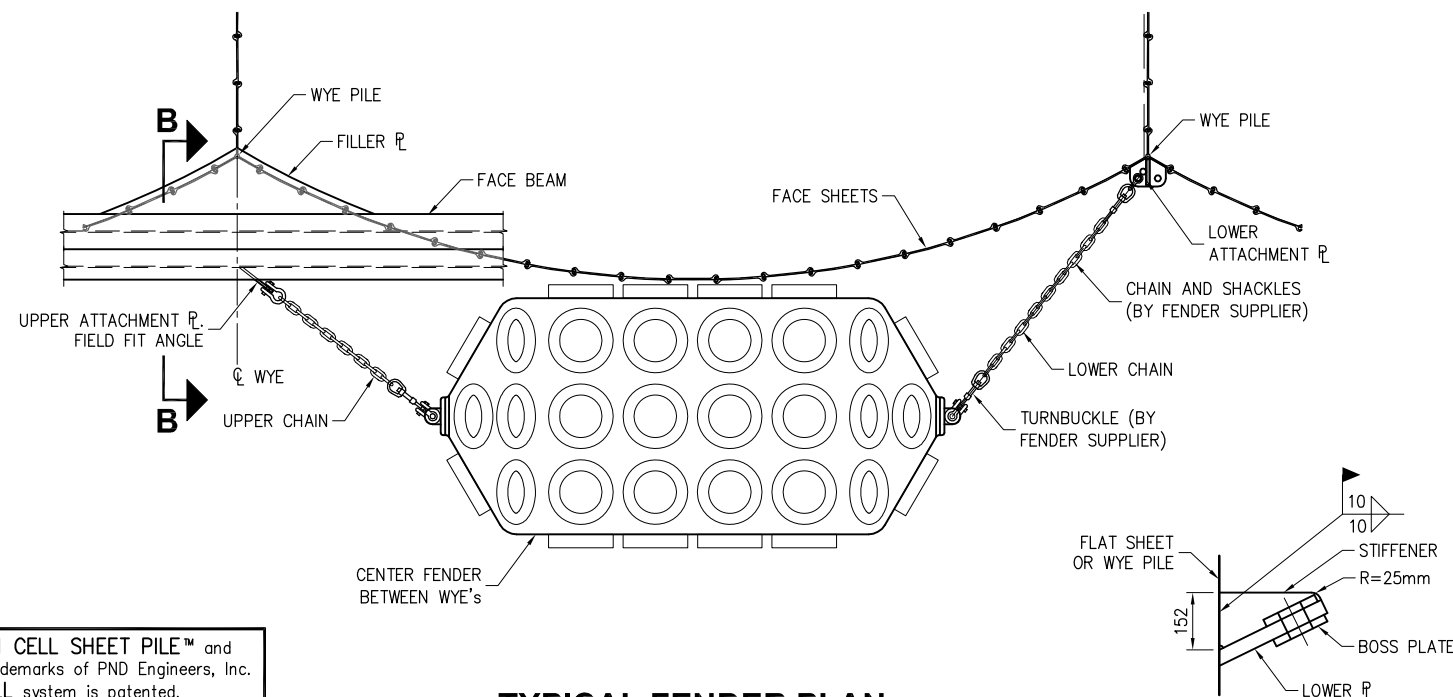
PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
OCSP™- LADDER DETAILS			
DESIGNED BY:	CK	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S2.9

5/30/14 Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S2.10.dwg



NOTE:
SEE PLAN FOR LOCATIONS WHERE
WYE PILE OCCURS AT BOTH SIDES
OF FENDER.

TYPICAL FENDER ELEVATION



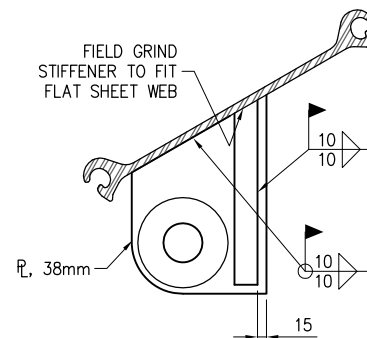
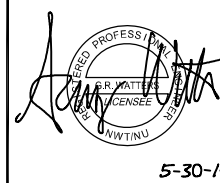
TYPICAL FENDER PLAN

DETAIL 1

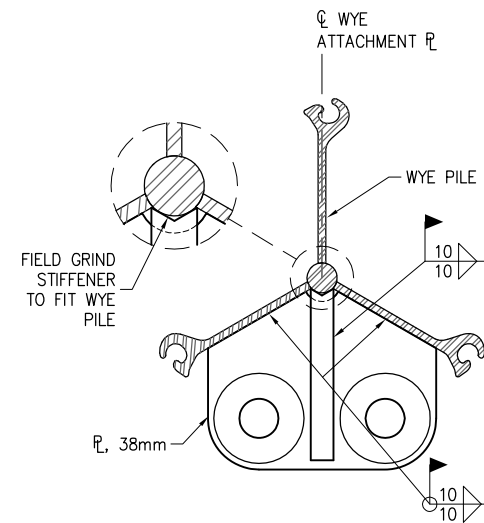
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PATENT - US 7,018,141 B2
PATENT - US 7,488,140 B2
PATENT PENDING - CANADA CA2.714.679



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DETIMENT DIRECTLY OR INDIRECTLY TO PND.

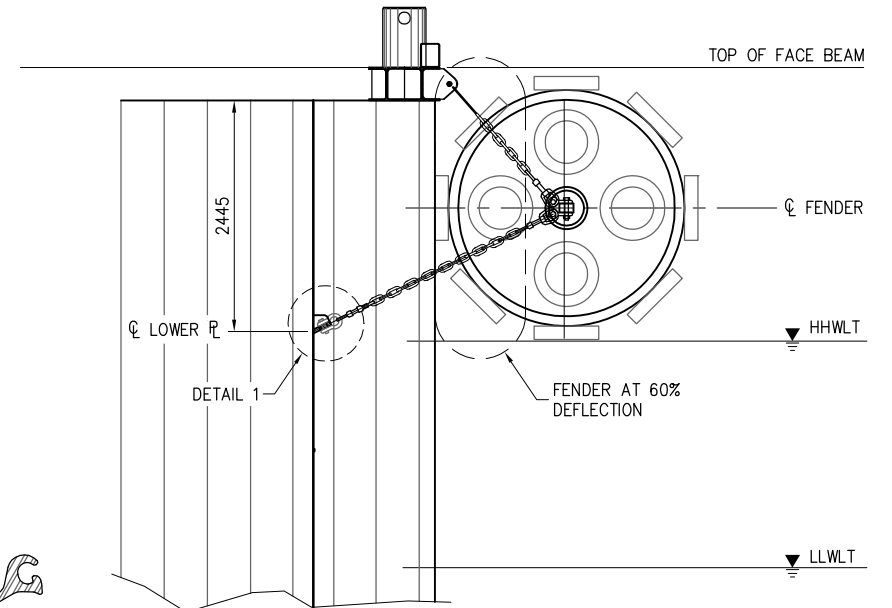


LOWER PLATE PLAN AT FLAT SHEET

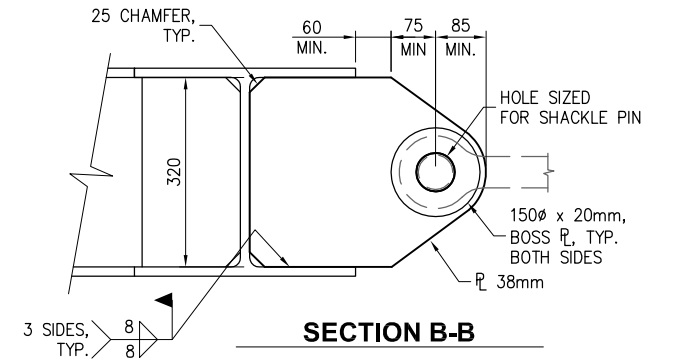


LOWER PLATE PLAN AT WYE

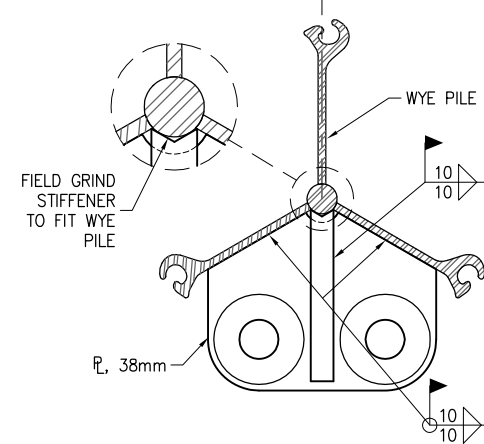
ATTACHMENT PLATES



FENDER SECTION



SECTION B-B



LOWER PLATE DETAIL

(SHOWN AT WYE, DETAILS
SIMILAR AT FLAT SHEET)

ISSUED FOR CONSTRUCTION

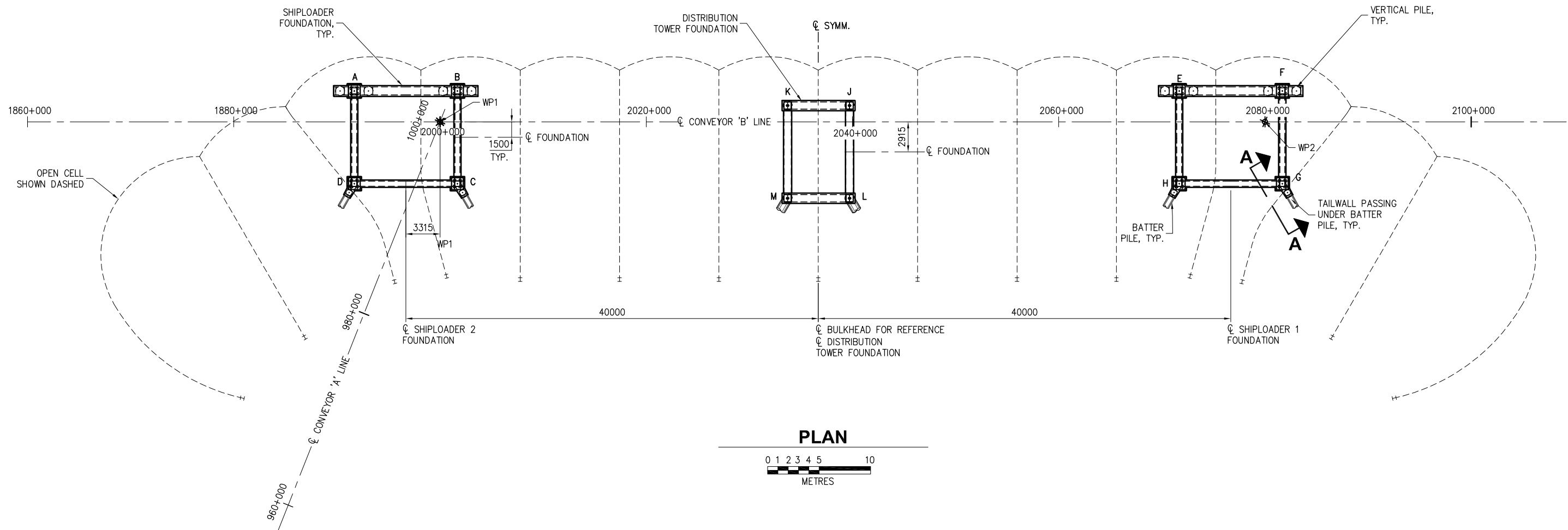
MILNE INLET ORE DOCK

OCSP™- FENDER DETAILS

DESIGNED BY:	CK	PROJECT NO:	144016.01	SHEET NO:	
DRAWN BY:	DRH	DATE:	MAY 2014		
CHECKED BY:	TB	SCALE:	NOTED		

S2.10

5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S3.1.dwg



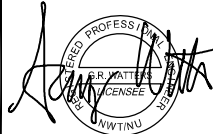
PLAN



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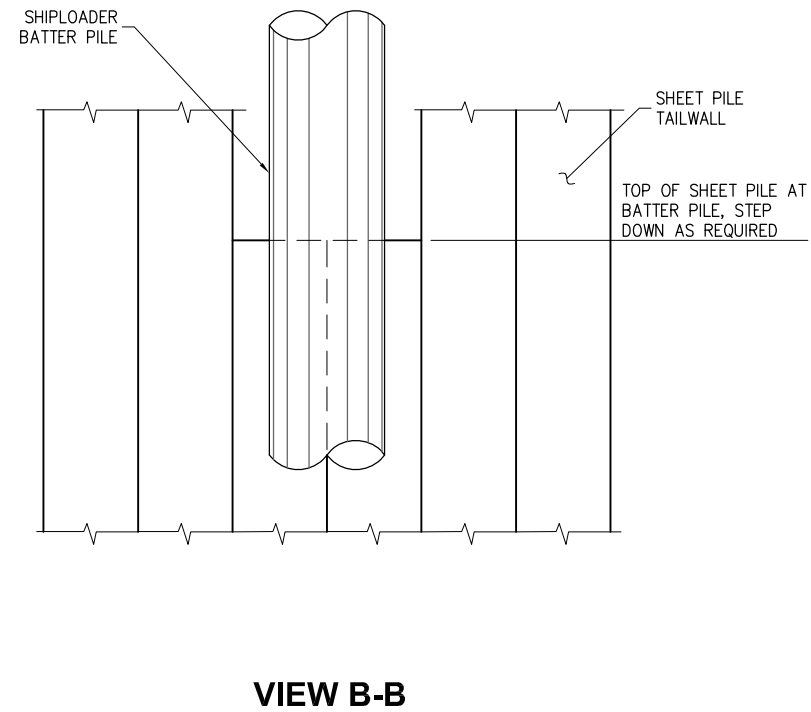
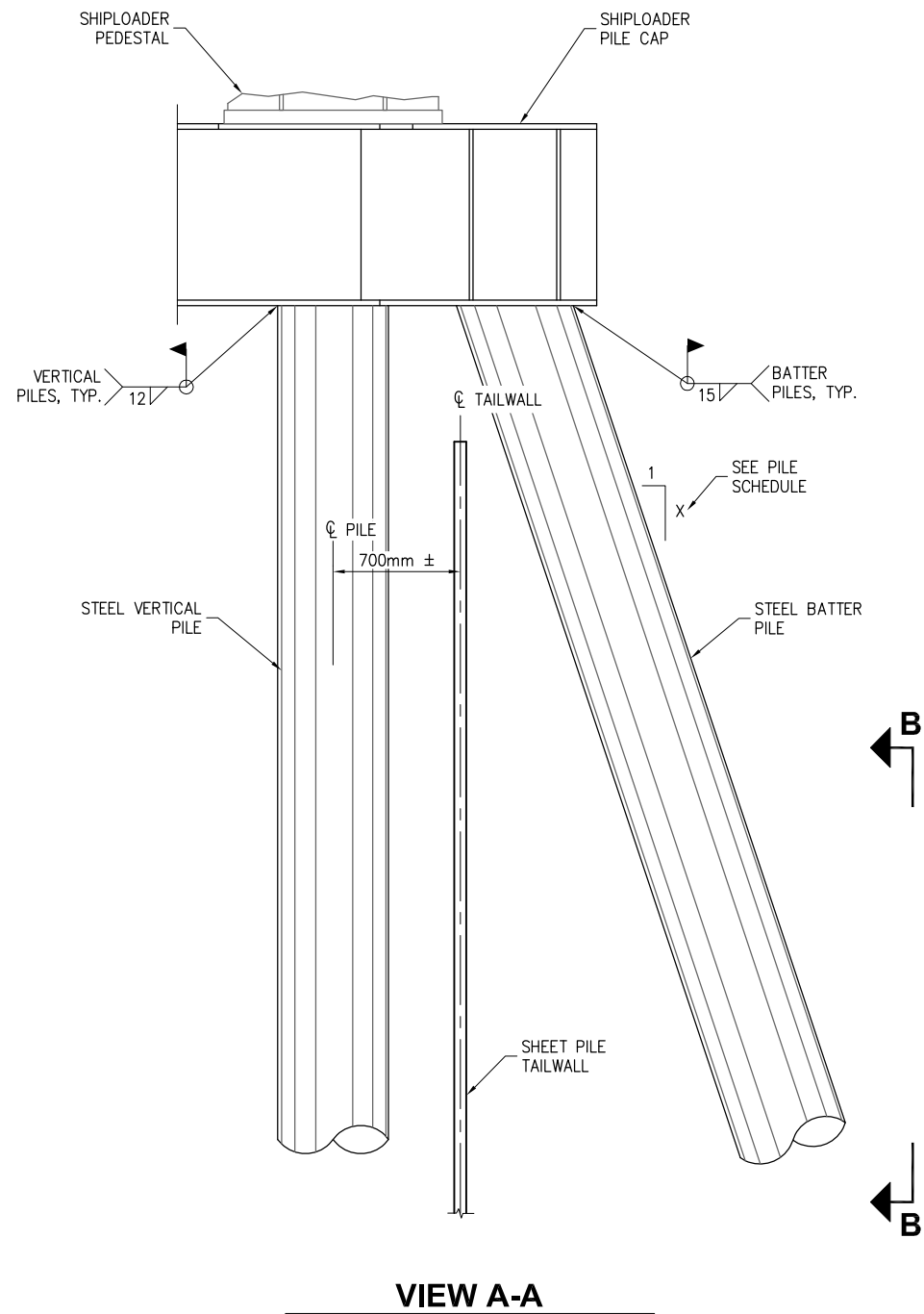


5-30-14

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PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
SHIPLOADER FOUNDATIONS - LAYOUT			
DESIGNED BY:	BKP	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S3.1

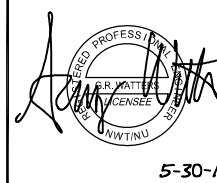
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Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S3.2.dwg



ISSUED FOR CONSTRUCTION



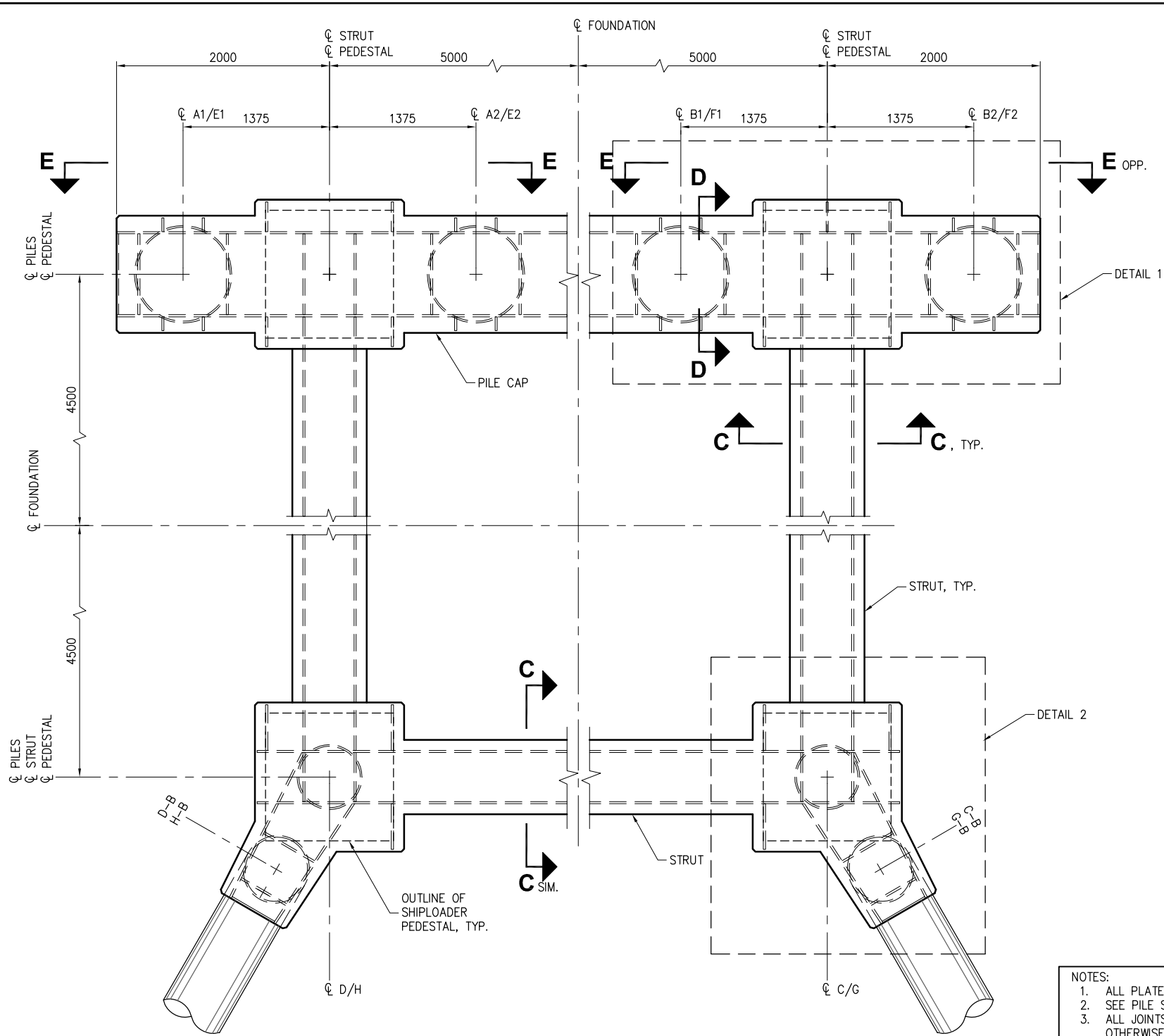
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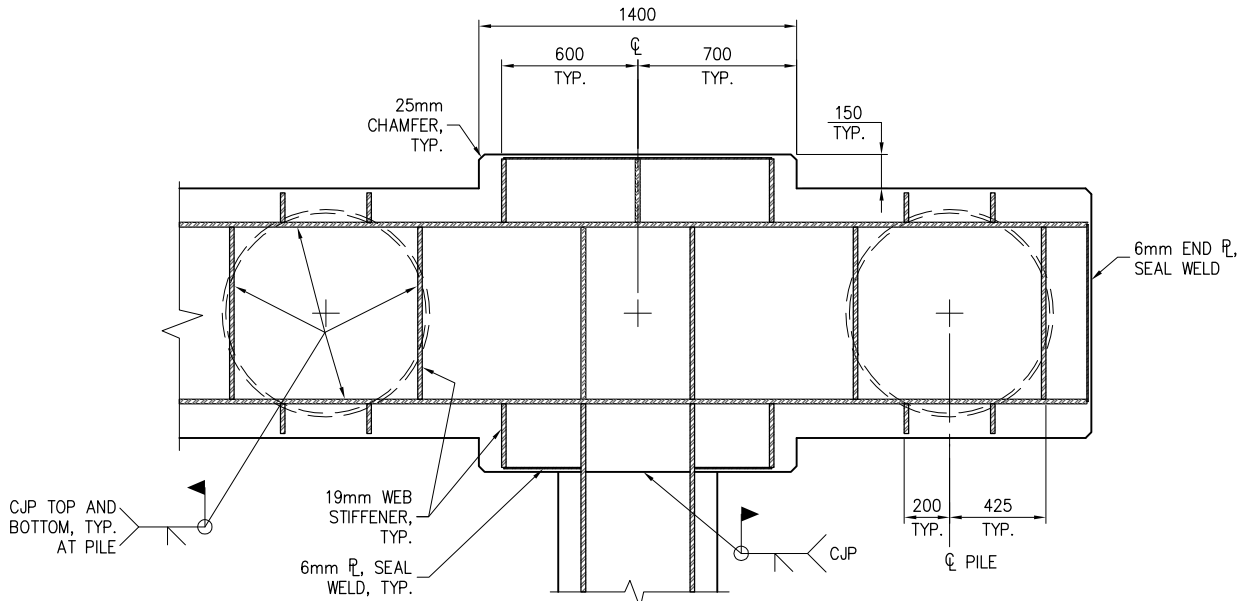
PROJECT: MILNE INLET ORE DOCK			
TITLE: SHIPLOADER FOUNDATIONS SHIPLOADER SECTIONS			
DESIGNED BY: BKP	PROJECT NO: 144016.01	SHEET NO:	
DRAWN BY: DRH	DATE: MAY 2014	S3.2	
CHECKED BY: TB	SCALE: NOTED		

5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S3.3.dwg



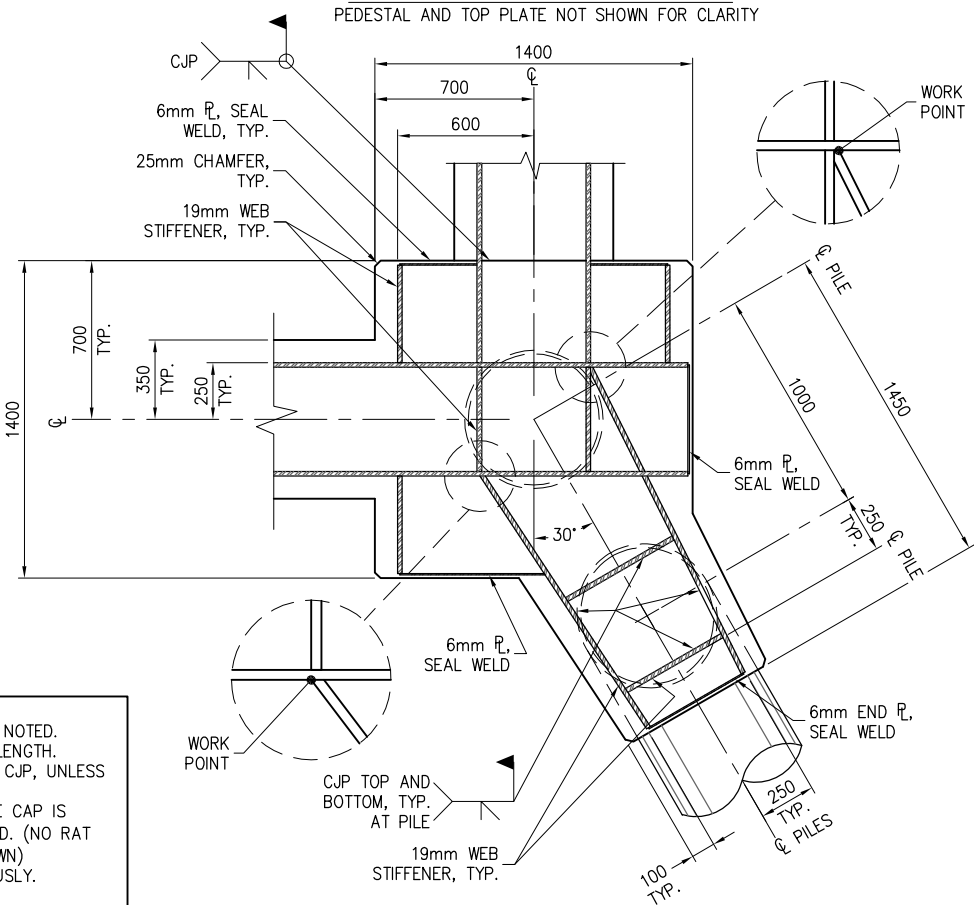
PILE CAP PLAN

- NOTES:
1. ALL PLATE IS 19mm, UNLESS OTHERWISE NOTED.
 2. SEE PILE SCHEDULE FOR PILE SIZE AND LENGTH.
 3. ALL JOINTS TO BOTTOM PLATE SHALL BE CJP, UNLESS OTHERWISE NOTED.
 4. IN ALL CASES THE EXTERIOR OF THE PILE CAP IS WELDED. WELDMENTS ARE TOTALLY SEALED. (NO RAT HOLES OR DRAIN HOLES EXCEPT AS SHOWN)
 5. ALL JOINTS SHALL BE WELDED CONTINUOUSLY.
 6. ALL PLATE SPLICES SHALL BE CJP.
 7. ALL STEEL JOINTS SHALL BE WELDED WITH A 8mm FILLET, OR EQUIVALENT GROOVE, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.



DETAIL 1

PEDESTAL AND TOP PLATE NOT SHOWN FOR CLARITY



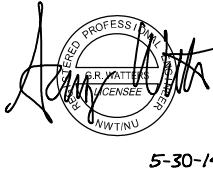
DETAIL 2

PEDESTAL AND TOP PLATE NOT SHOWN FOR CLARITY

ISSUED FOR CONSTRUCTION

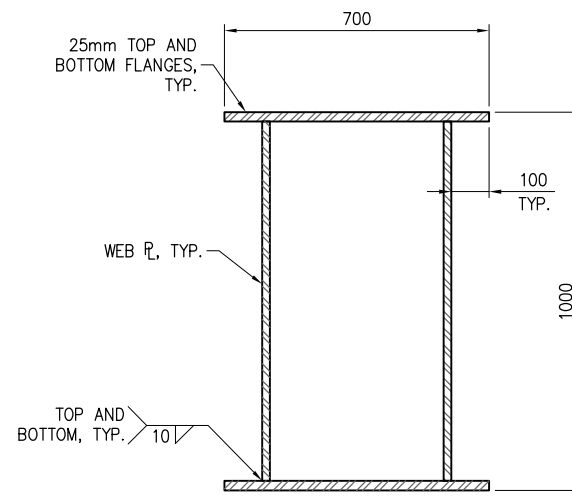


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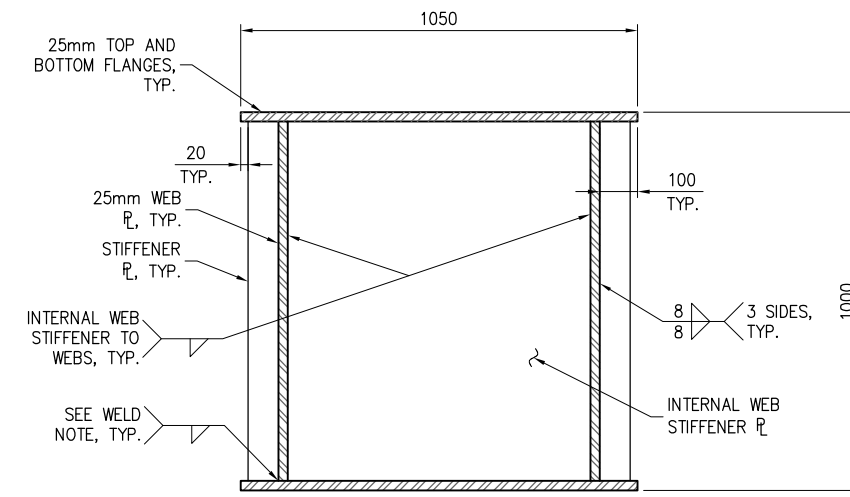


REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
SHIPLOADER FOUNDATIONS SHIPLOADER PLAN AND DETAILS			
DESIGNED BY:	BKP	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S3.3

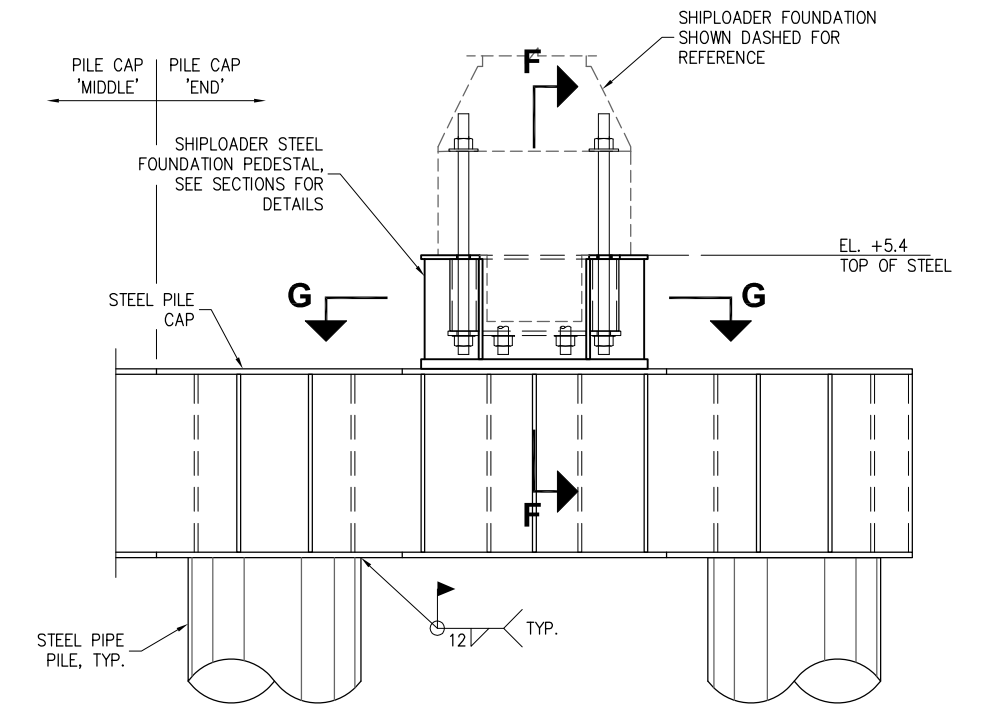


SECTION C-C
(STRUT)



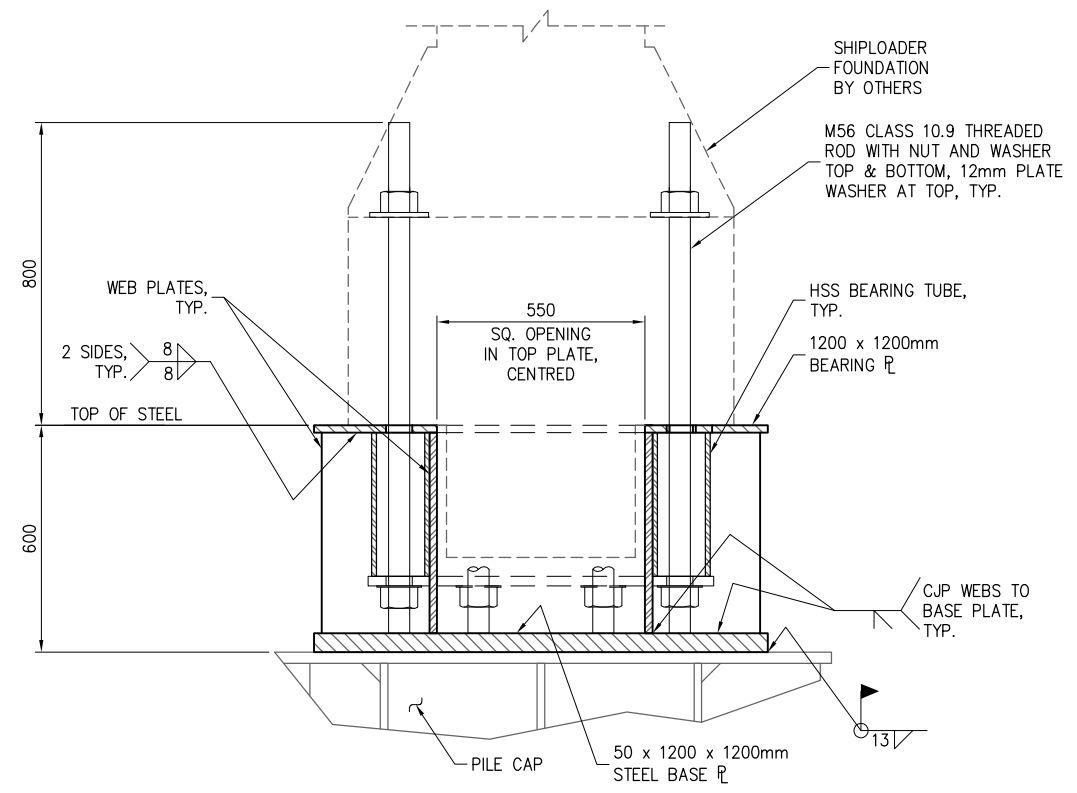
SECTION D-D
(PILE CAP)

PILE CAP WELD NOTE: (ENDS AND MIDDLE AS IN VIEW E-E)
1) ENDS: PROVIDE 4m OF CJP WELD AT EACH END OF BEAM, TOP & BOTTOM FLANGE TO WEB.
2) MIDDLE: PROVIDE 6m OF 10mm FILLET WELD BETWEEN END WELDS, TOP & BOTTOM FLANGE TO WEB, TYP.

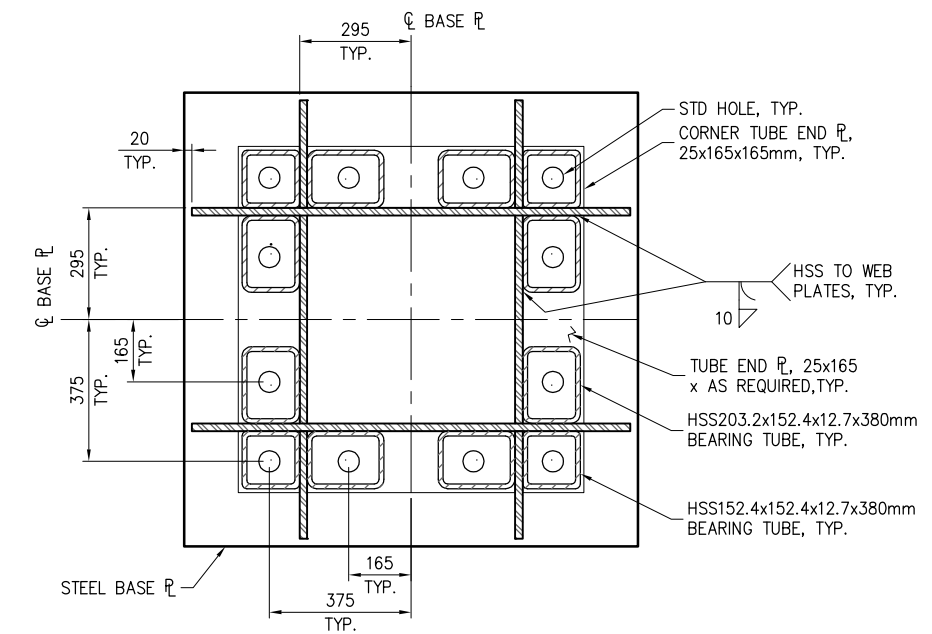


VIEW E-E

- NOTES:
1. ALL PLATE IS 19mm, UNLESS OTHERWISE NOTED.
 2. SEE PILE SCHEDULE FOR PILE SIZE AND LENGTH.
 3. ALL JOINTS TO BOTTOM PLATE SHALL BE CJP, UNLESS OTHERWISE NOTED.
 4. IN ALL CASES THE EXTERIOR OF THE PILE CAP IS WELDED. WELDMENTS ARE TOTALLY SEALED. (NO RAT HOLES OR DRAIN HOLES EXCEPT AS SHOWN)
 5. ALL JOINTS SHALL BE WELDED CONTINUOUSLY.
 6. ALL PLATE SPLICES SHALL BE CJP.
 7. ALL STEEL JOINTS SHALL BE WELDED WITH A 8mm FILLET, OR EQUIVALENT GROOVE, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.



SECTION F-F



SECTION G-G

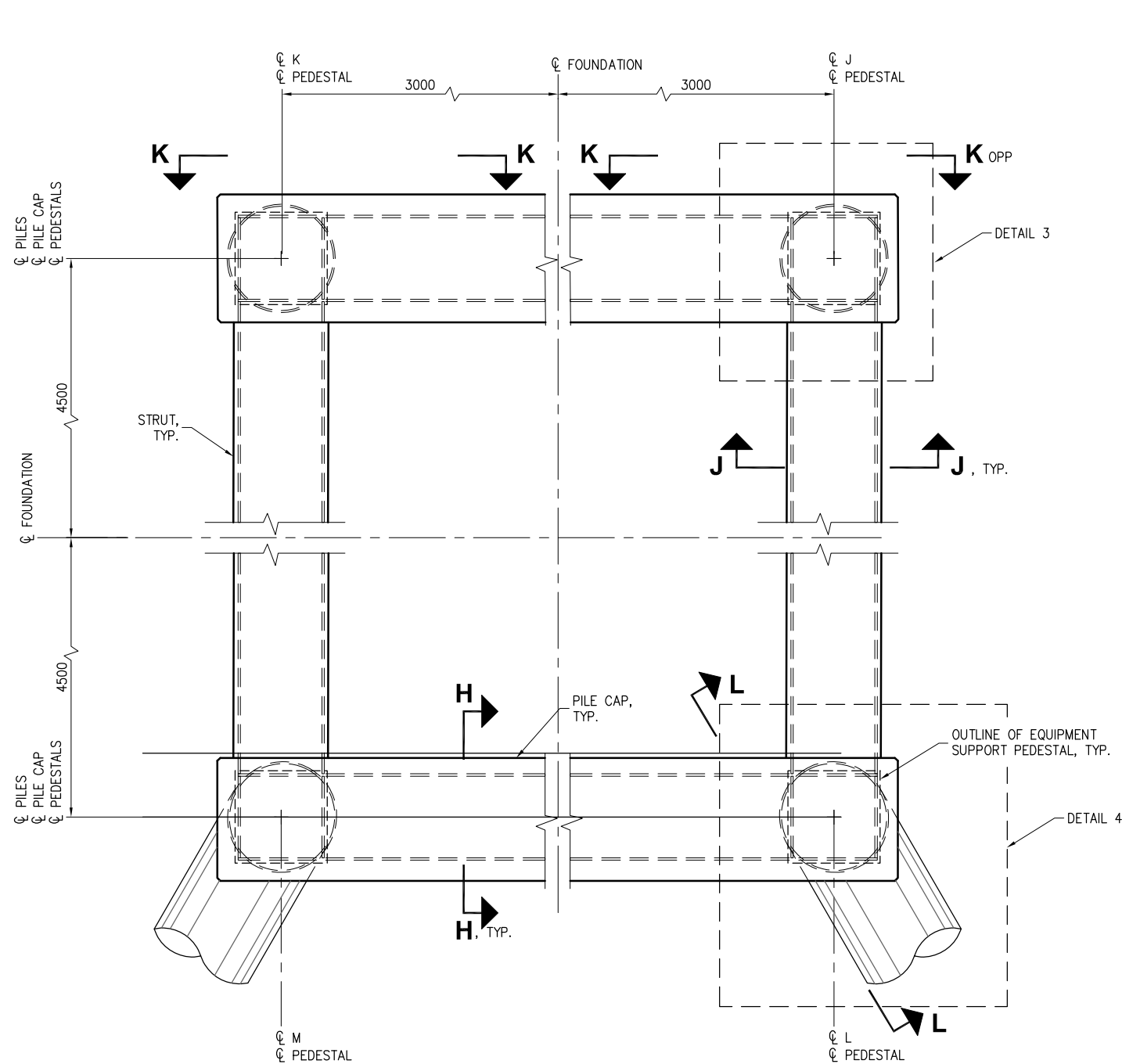
ISSUED FOR CONSTRUCTION

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					REV	DATE	DESCRIPTION					
<p>THIS DRAWING INCLUDING THE PRINCIPLE OF DESIGN IS THE INTELLECTUAL PROPERTY OF PND ENGINEERS CANADA, INC. AND IS SUBMITTED WITH THE AGREEMENT THAT IT IS NOT TO BE REPRODUCED, COPIED, OR USED IN ANY MANNER OTHER THAN ITS INTENDED USE, AND FURTHER THAT IT NOT BE USED IN ANY MANNER THAT WOULD BE DETRIMENTAL TO PND. ACCEPTANCE IS CONSTRUED AS AGREEMENT TO THESE PROVISIONS.</p>	<p>TITLE:</p> <p>SHIPLOADER FOUNDATIONS SHIPLOADER SECTIONS</p>											

DESIGNED BY:	BKP	PROJECT NO:	144016.01	SHEET NO:	S3.4
DRAWN BY:	DRH	DATE:	MAY 2014		
CHECKED BY:	TB	SCALE:	NOTED		

5/30/14 Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S3.4.dwg

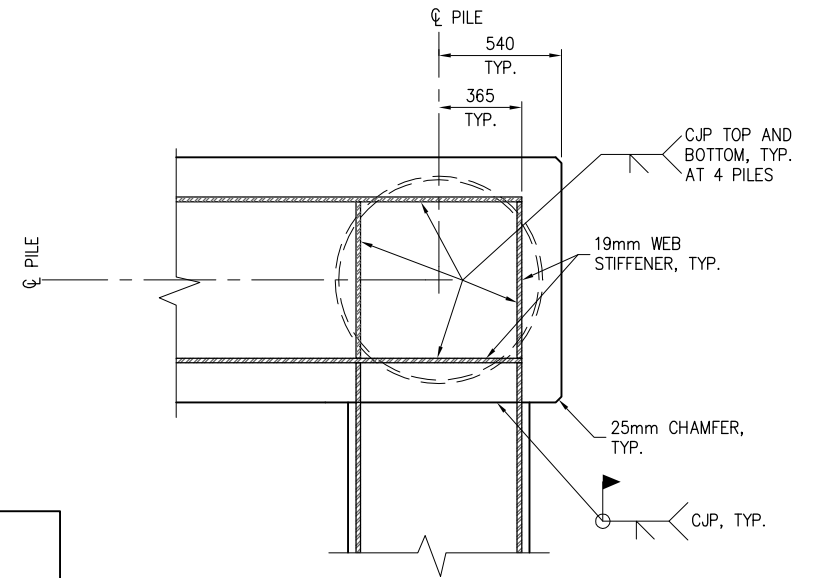
5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S3.5.dwg



DISTRIBUTION FOUNDATION
PILE CAP PLAN

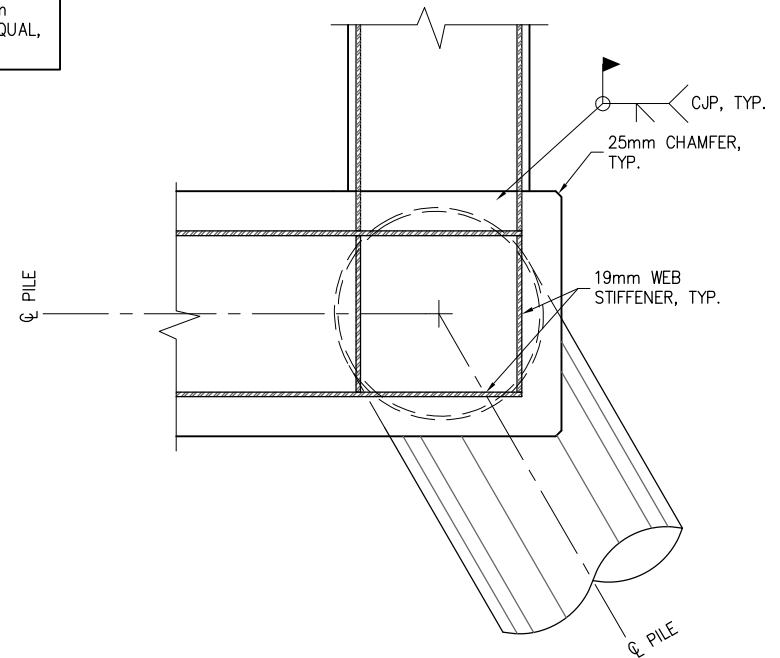
NOTES:

1. ALL PLATE IS 19mm, UNLESS OTHERWISE NOTED.
2. SEE PILE SCHEDULE FOR PILE SIZE AND LENGTH.
3. ALL JOINTS TO BOTTOM PLATE SHALL BE CJP, UNLESS OTHERWISE NOTED.
4. IN ALL CASES THE EXTERIOR OF THE PILE CAP IS WELDED. WELDMENTS ARE TOTALLY SEALED. (NO RAT HOLES OR DRAIN HOLES EXCEPT AS SHOWN)
5. ALL JOINTS SHALL BE WELDED CONTINUOUSLY, UNLESS OTHERWISE NOTED.
6. ALL PLATE SPLICES SHALL BE CJP, UNLESS OTHERWISE NOTED.
7. ALL STEEL JOINTS SHALL BE WELDED WITH A 8mm FILLET, OR EQUIVALENT GROOVE, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.



DETAIL 3

NOTE: PILE 'J' SHOWN, PILE 'K' SIMILAR.
TOP PLATE NOT SHOWN FOR CLARITY



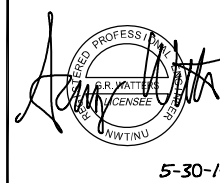
DETAIL 4

NOTE: PILE 'L' SHOWN, PILE 'M' SIMILAR.
TOP PLATE NOT SHOWN FOR CLARITY

ISSUED FOR CONSTRUCTION



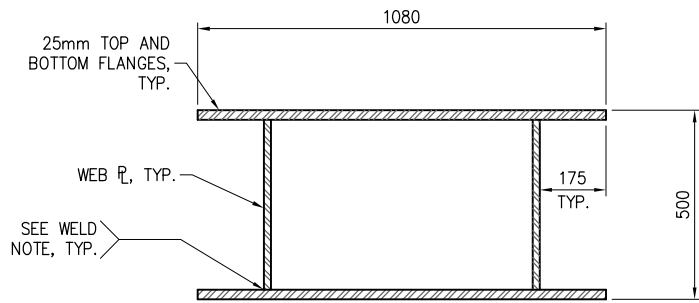
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REV	DATE	DESCRIPTION
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PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
SHIPLOADER FOUNDATIONS DISTRIBUTION TOWER PLANS			
DESIGNED BY:	BKP	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S3.5

5/30/14 Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S3.6.dwg

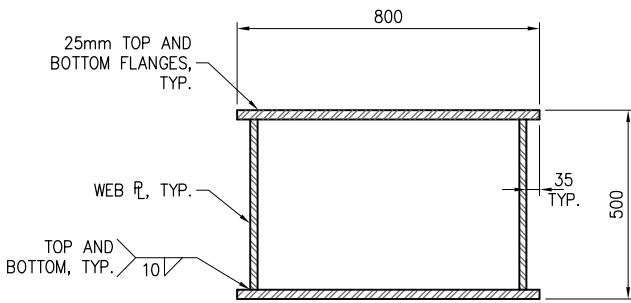


SECTION H-H

(PILE CAP)

PILE CAP WELD NOTE:

- 1) ENDS: PROVIDE 1.5m OF CJP WELD AT EACH END OF BEAM, TOP & BOTTOM FLANGE TO WEB.
- 2) MIDDLE: PROVIDE 6m OF 10mm FILLET WELD BETWEEN END WELDS, TOP & BOTTOM FLANGE TO WEB, TYP.

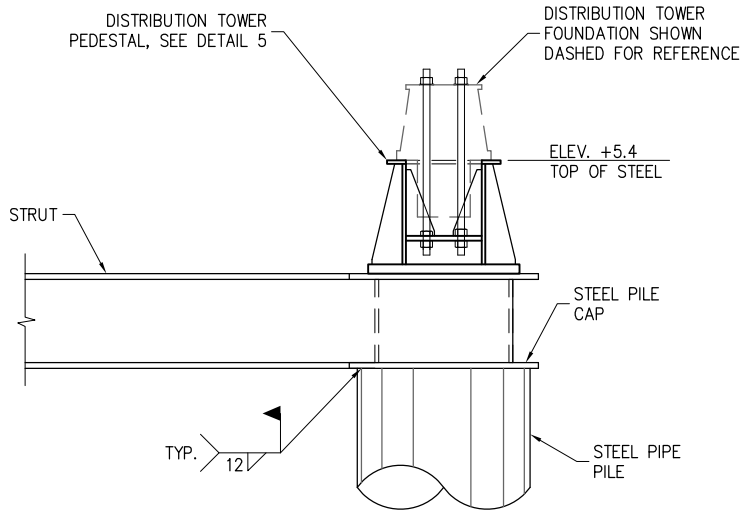


SECTION J-J

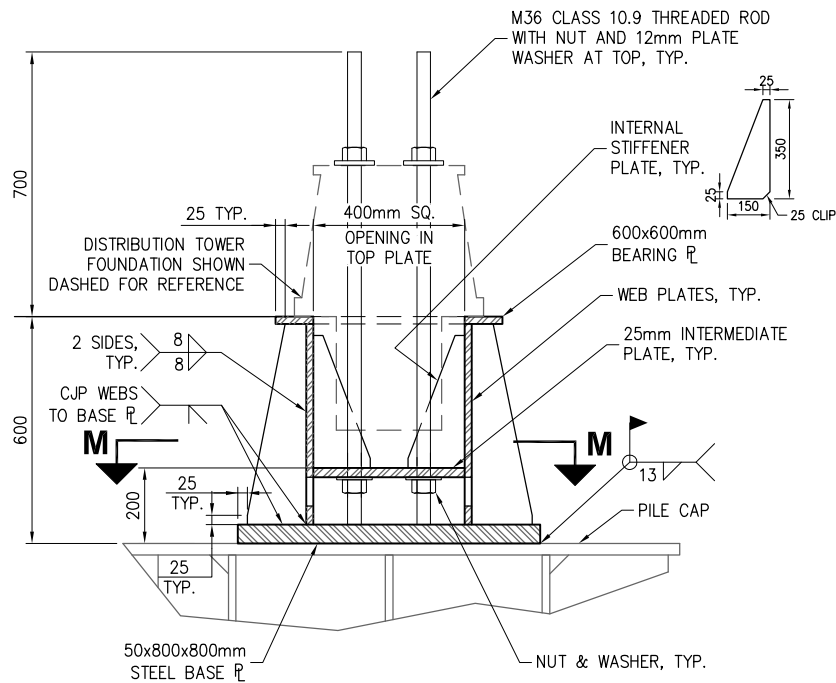
(STRUT)

NOTES:

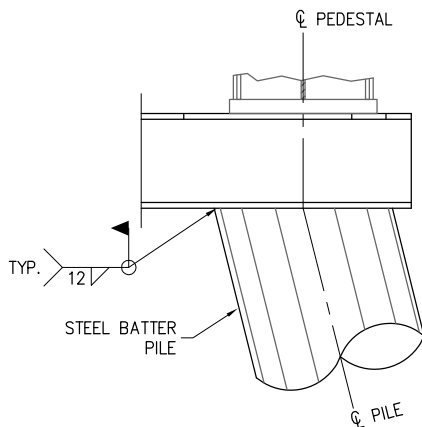
1. ALL PLATE IS 19mm, UNLESS OTHERWISE NOTED.
2. SEE PILE SCHEDULE FOR PILE SIZE AND LENGTH.
3. ALL JOINTS TO BOTTOM PLATE SHALL BE CJP, UNLESS OTHERWISE NOTED.
4. IN ALL CASES THE EXTERIOR OF THE PILE CAP IS WELDED. WELDMENTS ARE TOTALLY SEALED. (NO RAT HOLES OR DRAIN HOLES EXCEPT AS SHOWN)
5. ALL JOINTS SHALL BE WELDED CONTINUOUSLY, UNLESS OTHERWISE NOTED.
6. ALL PLATE SPLICES SHALL BE CJP, UNLESS OTHERWISE NOTED.
7. ALL STEEL JOINTS SHALL BE WELDED WITH A 8mm FILLET, OR EQUIVALENT GROOVE, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.



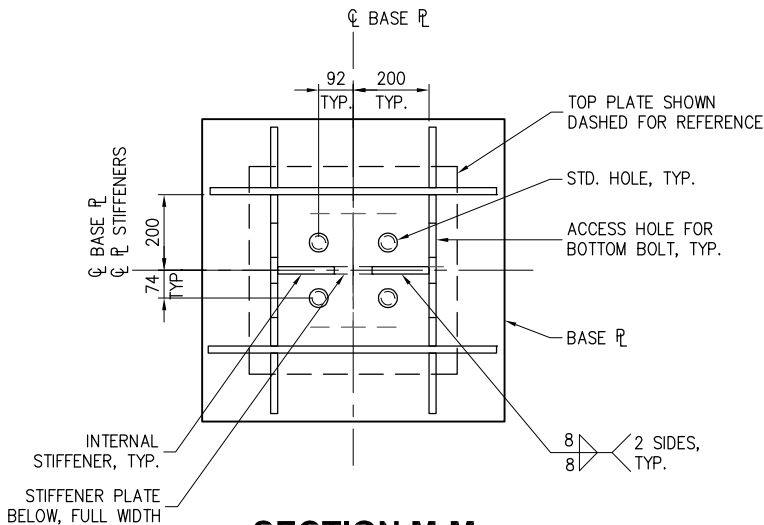
VIEW K-K



DETAIL 5



SECTION L-L

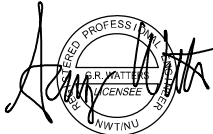


SECTION M-M

ISSUED FOR CONSTRUCTION



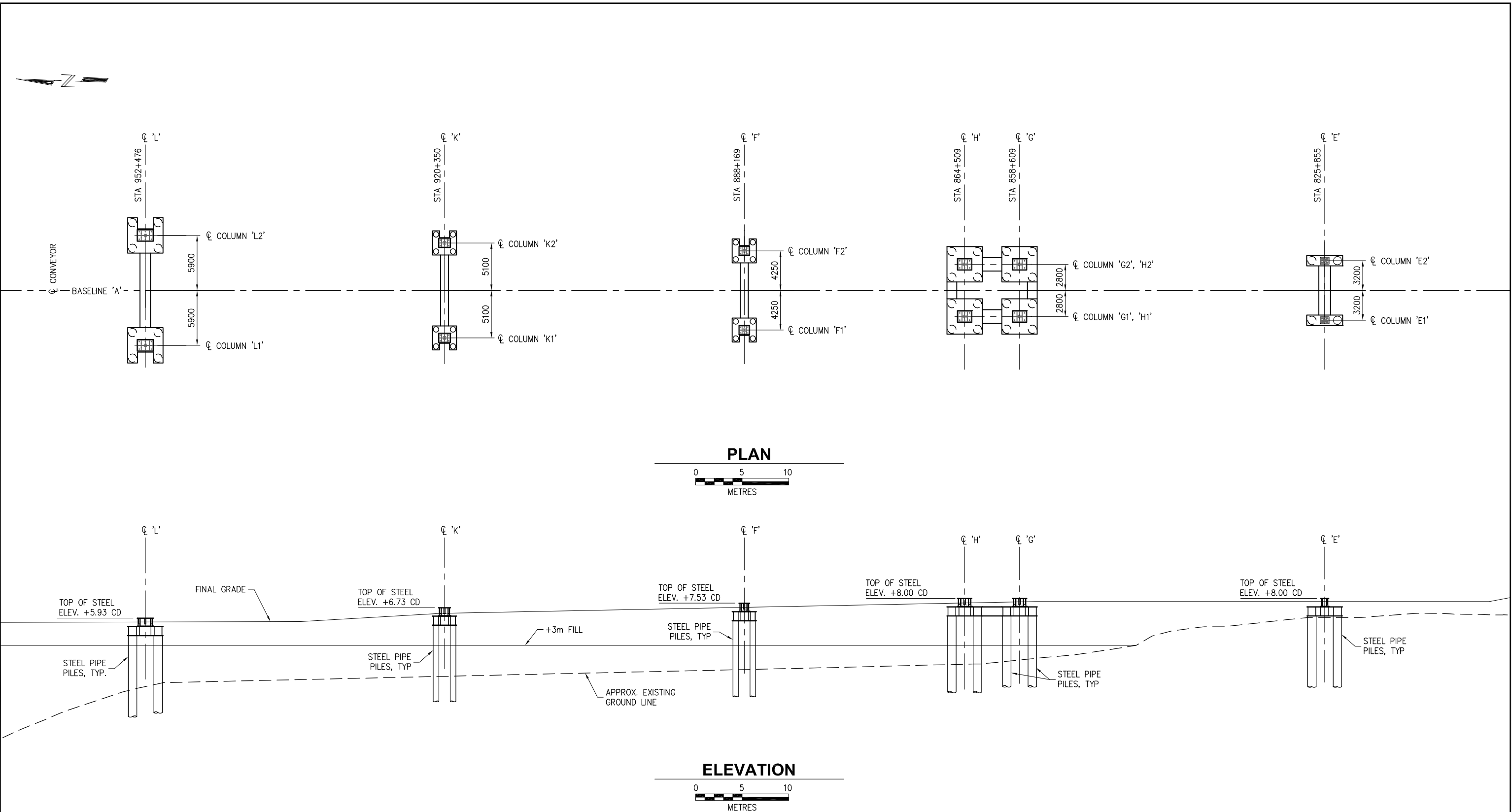
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REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT: MILNE INLET ORE DOCK			
TITLE: SHIPLOADER FOUNDATIONS DISTRIBUTION TOWER SECTIONS			
DESIGNED BY: BKP	PROJECT NO: 144016.01	SHEET NO: S3.6	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S4.1.dwg



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ENGINEERS
CANADA INC.

RUSKIN

CONSTRUCTION LTD.

Baffinland

Iron Mines Corporation

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REGISTERED PROFESSIONAL ENGINEER
PND ENGINEERS CANADA, INC.
KIVWTINU

5-30-14

REVISIONS		
REV	DATE	DESCRIPTION

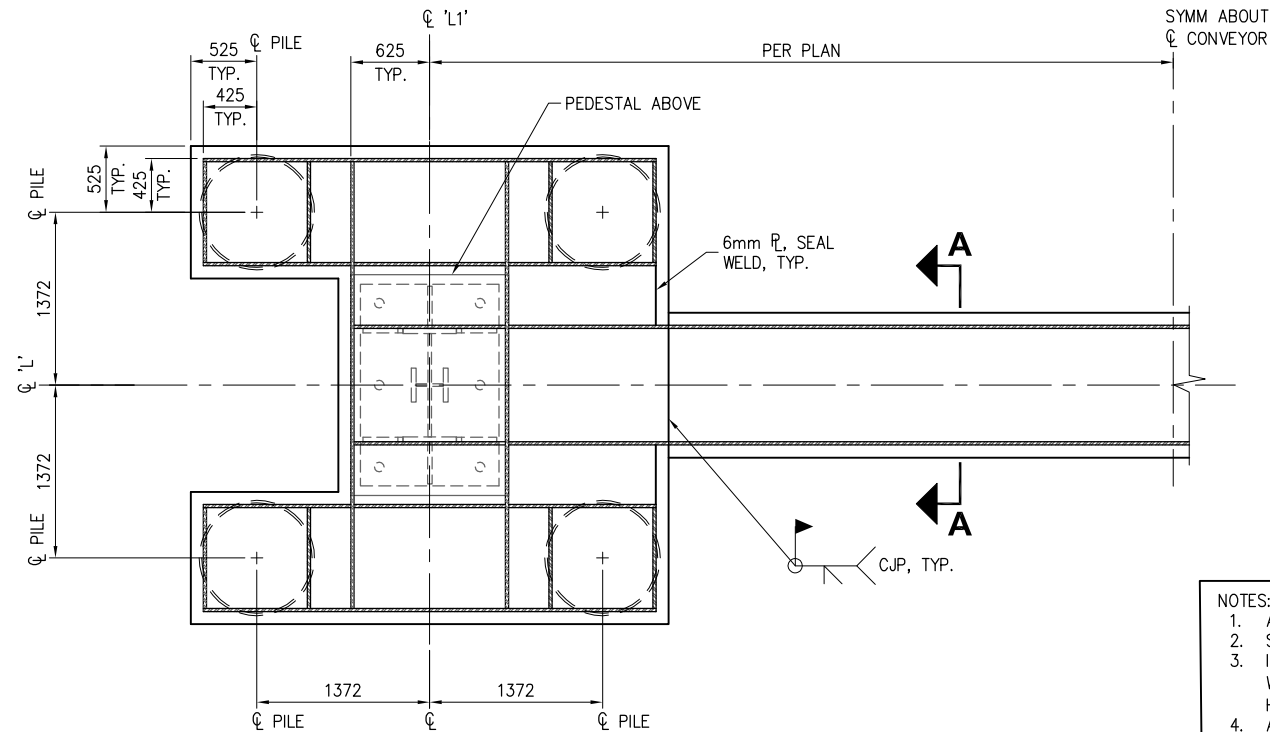
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PROJECT:
MILNE INLET ORE DOCK

TITLE:
**CONVEYOR FOUNDATIONS
PLAN AND ELEVATION**

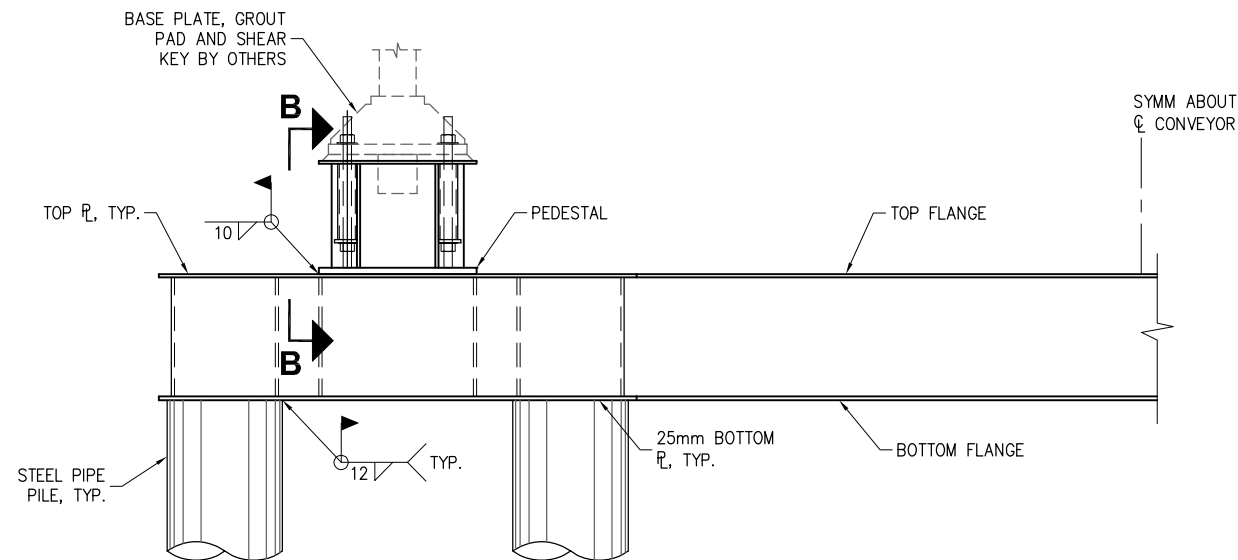
DESIGNED BY:	VHTN	PROJECT NO:	144016.01	SHEET NO:
DRAWN BY:	DRH	DATE:	MAY 2014	S4.1
CHECKED BY:	TB	SCALE:	NOTED	

5/30/14 Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S4.2.dwg

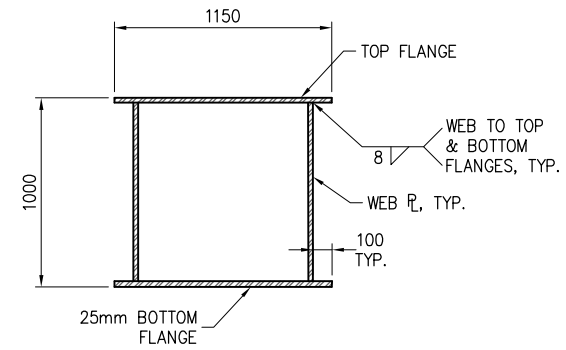


PLAN
TOP PLATE NOT SHOWN FOR CLARITY

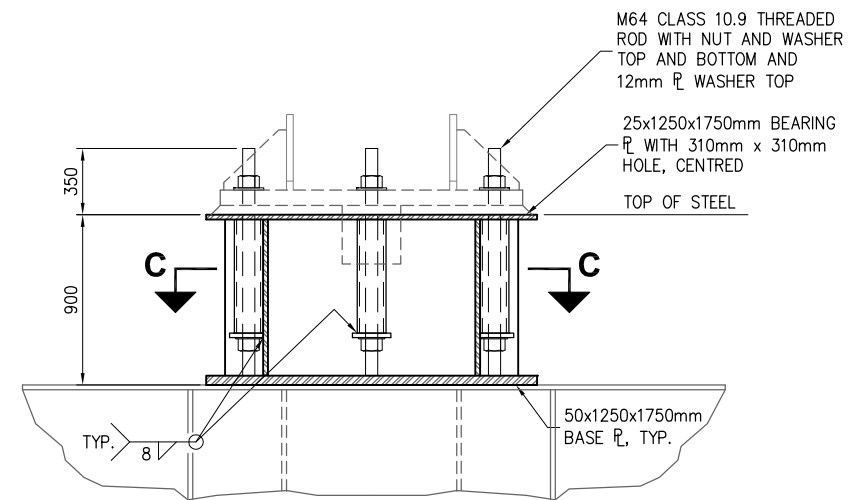
- NOTES:
1. ALL PLATE IS 19mm, UNLESS OTHERWISE NOTED.
 2. SEE PILE SCHEDULE FOR PILE SIZE AND LENGTH.
 3. IN ALL CASES THE EXTERIOR OF THE PILE CAP IS WELDED. WELDMENTS ARE TOTALLY SEALED. (NO RAT HOLES OR DRAIN HOLES EXCEPT AS SHOWN)
 4. ALL JOINTS SHALL BE WELDED CONTINUOUSLY.
 5. ALL STEEL JOINTS SHALL BE WELDED WITH CJP UNLESS OTHERWISE NOTED.



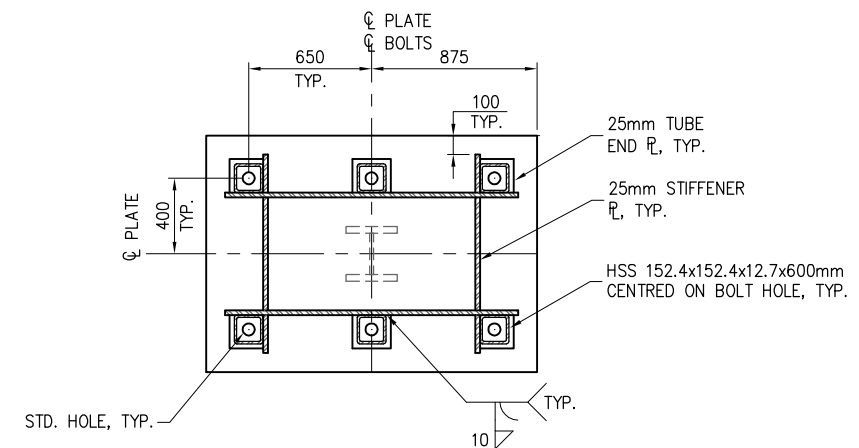
ELEVATION



SECTION A-A



SECTION B-B

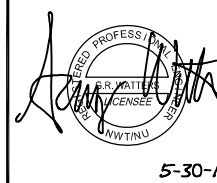


SECTION C-C

ISSUED FOR CONSTRUCTION



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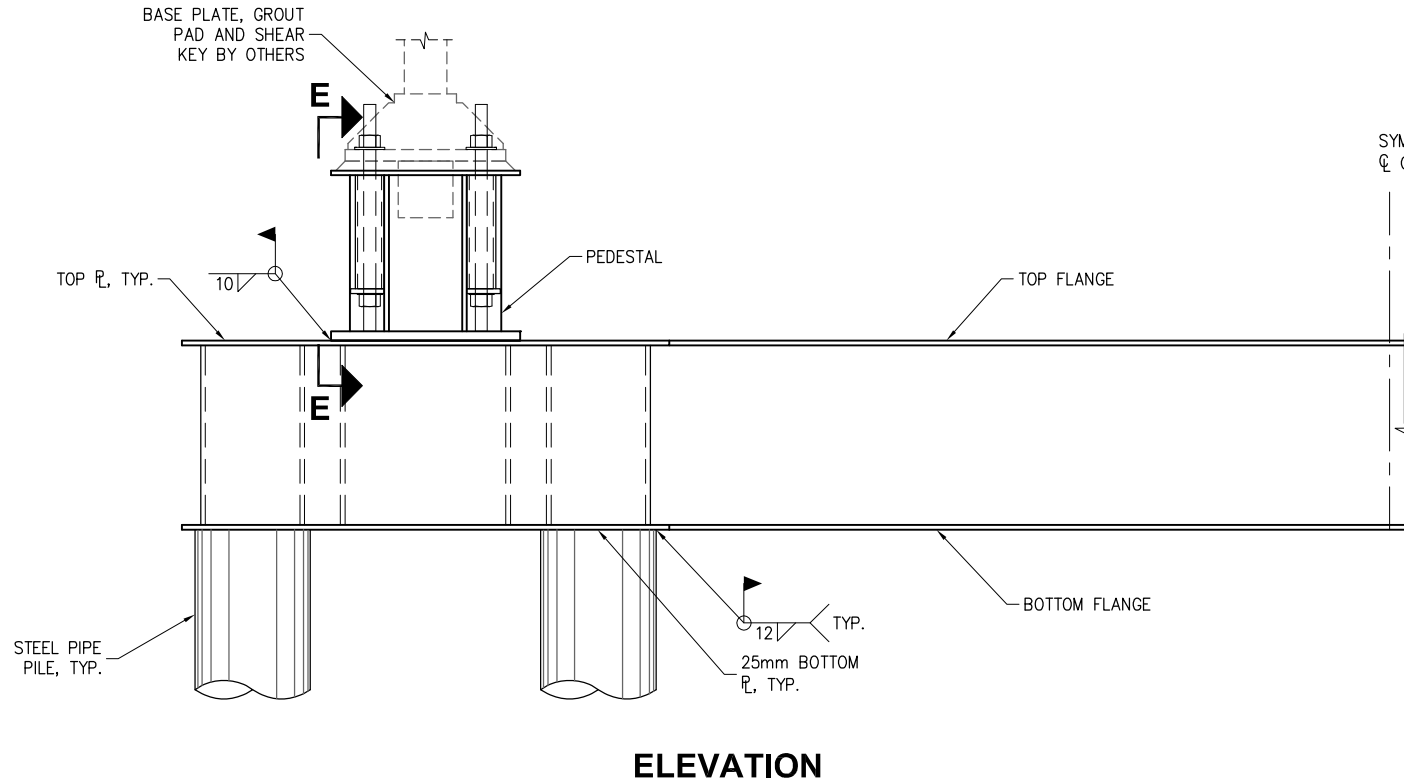
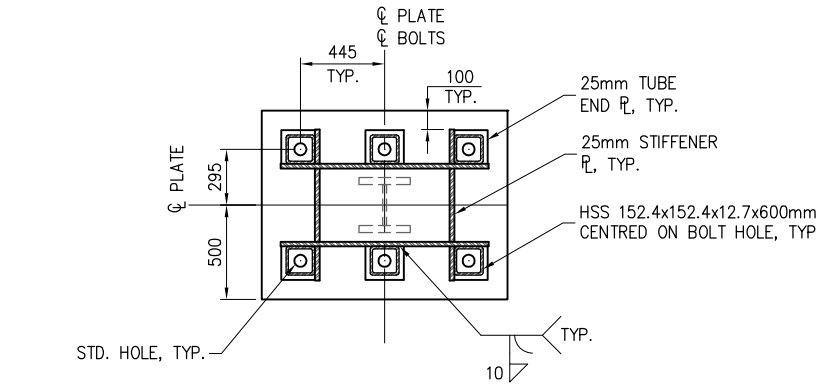
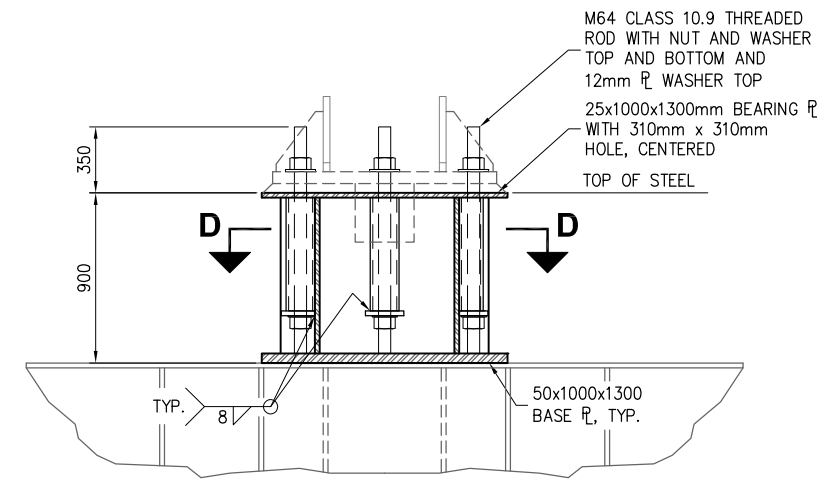
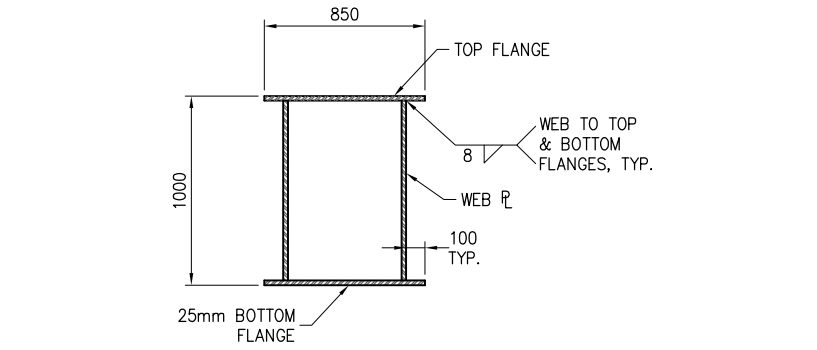
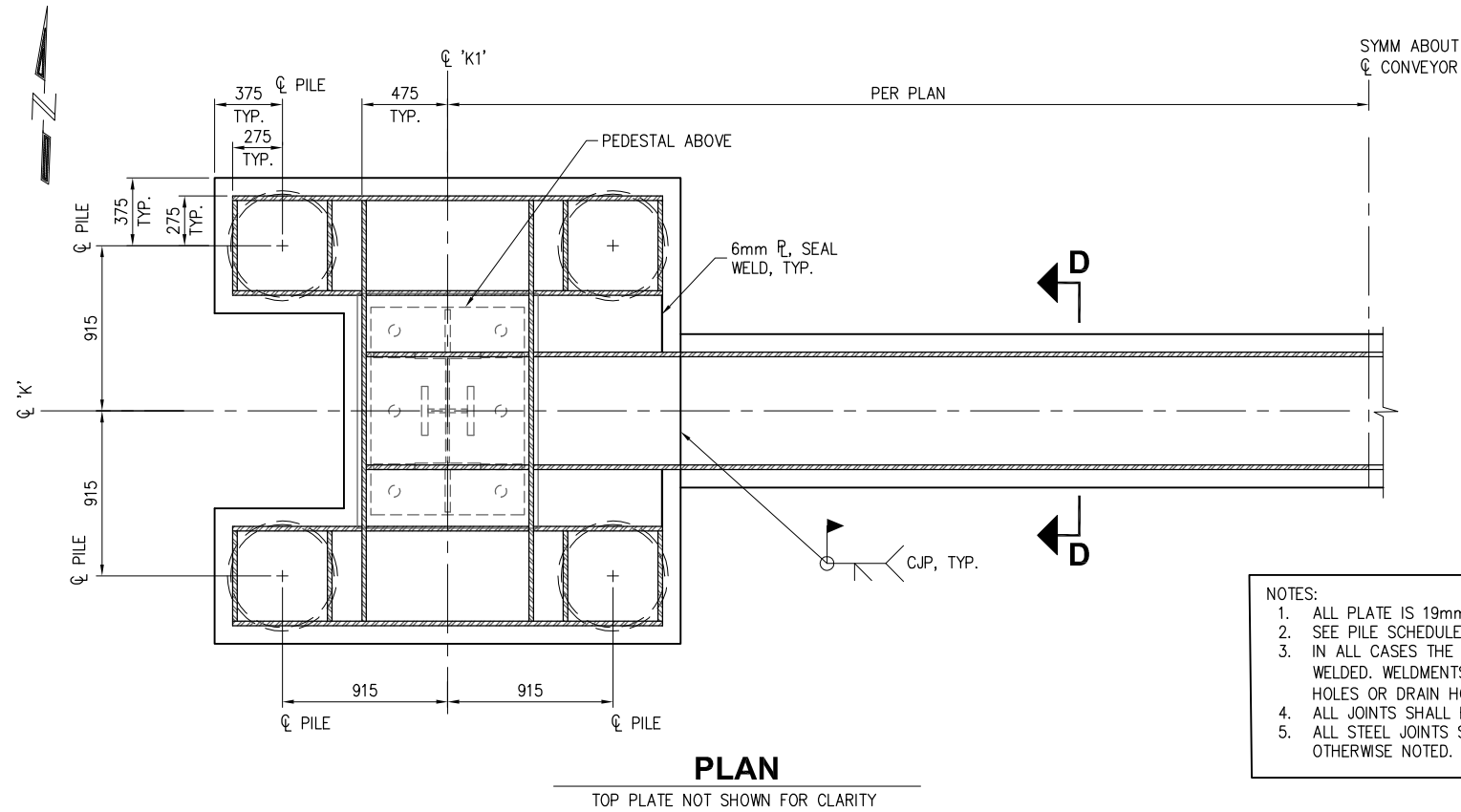


5-30-14

REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT: MILNE INLET ORE DOCK			
TITLE: CONVEYOR FOUNDATIONS FOUNDATION L DETAILS			
DESIGNED BY: VHTN	PROJECT NO: 144016.01	SHEET NO: S4.2	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

5/30/14 Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S4.3.dwg



ISSUED FOR CONSTRUCTION

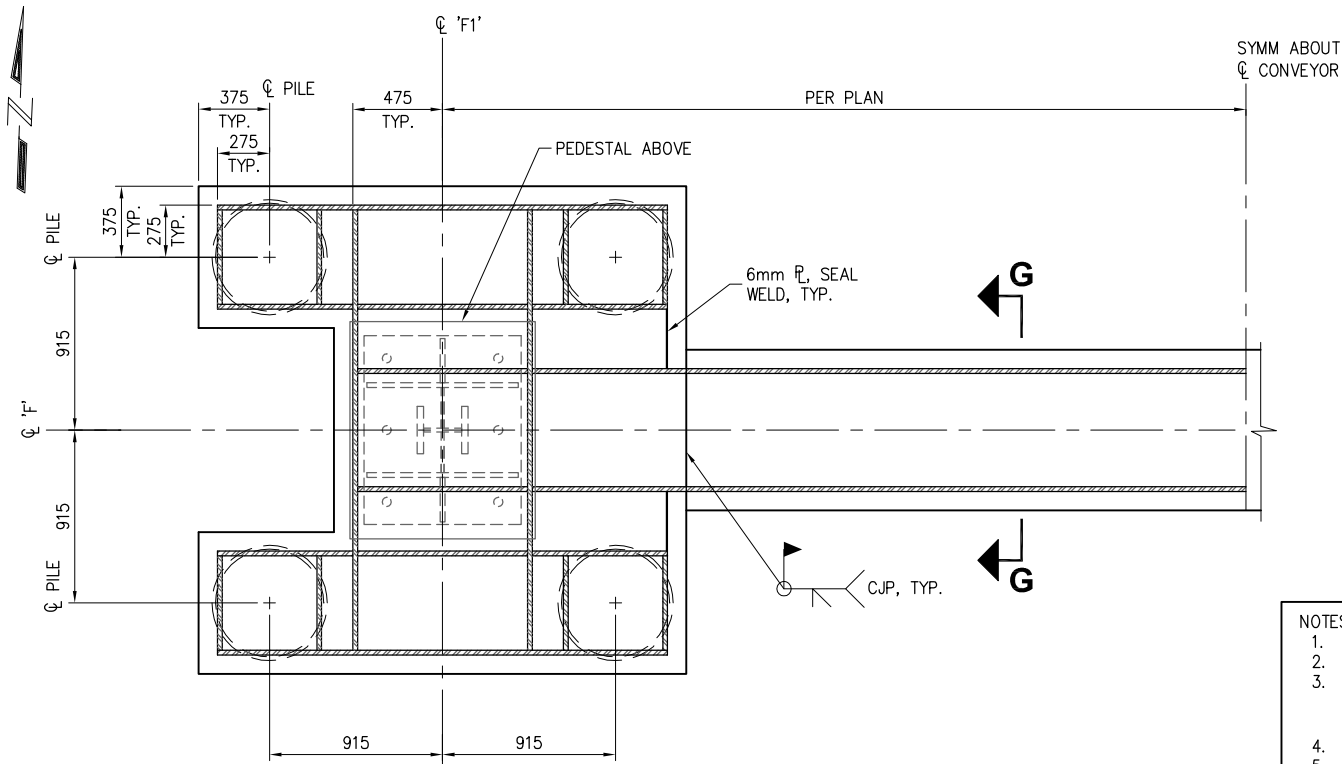


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REVISIONS		
REV	DATE	DESCRIPTION
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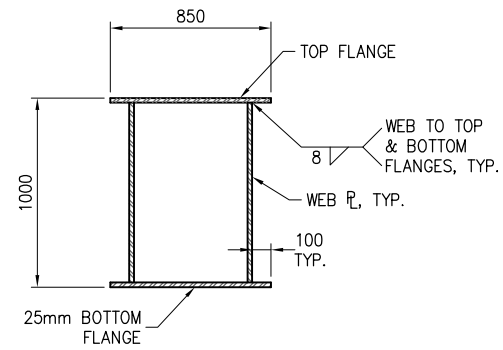
PROJECT: MILNE INLET ORE DOCK			
TITLE: CONVEYOR FOUNDATIONS FOUNDATION K DETAILS			
DESIGNED BY: VHTN	PROJECT NO: 144016.01	SHEET NO: S4.3	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		



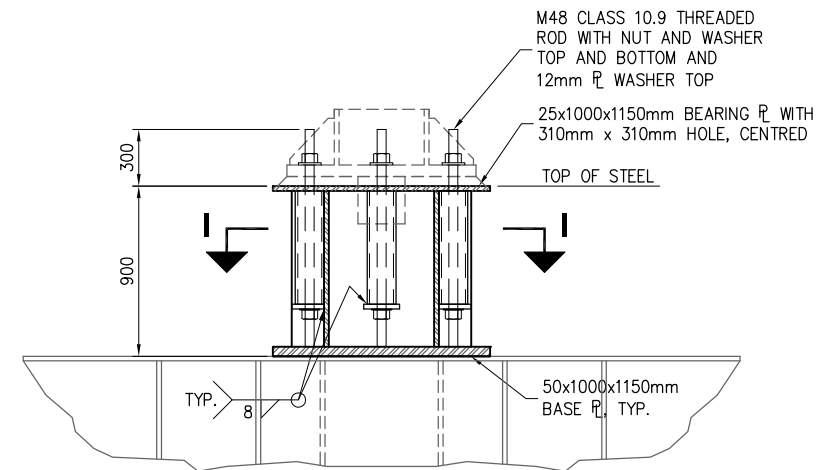
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TOP PLATE NOT SHOWN FOR CLARITY

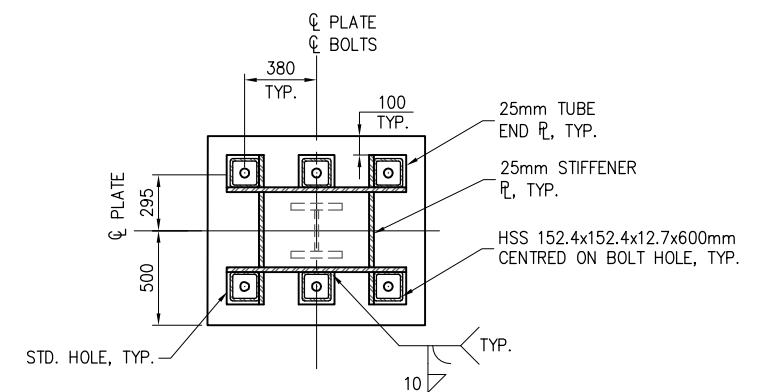
- NOTES:
1. ALL PLATE IS 19mm, UNLESS OTHERWISE NOTED.
 2. SEE PILE SCHEDULE FOR PILE SIZE AND LENGTH.
 3. IN ALL CASES THE EXTERIOR OF THE PILE CAP IS WELDED. WELDMENTS ARE TOTALLY SEALED. (NO RAT HOLES OR DRAIN HOLES EXCEPT AS SHOWN)
 4. ALL JOINTS SHALL BE WELDED CONTINUOUSLY.
 5. ALL STEEL JOINTS SHALL BE WELDED WITH CJP UNLESS OTHERWISE NOTED.



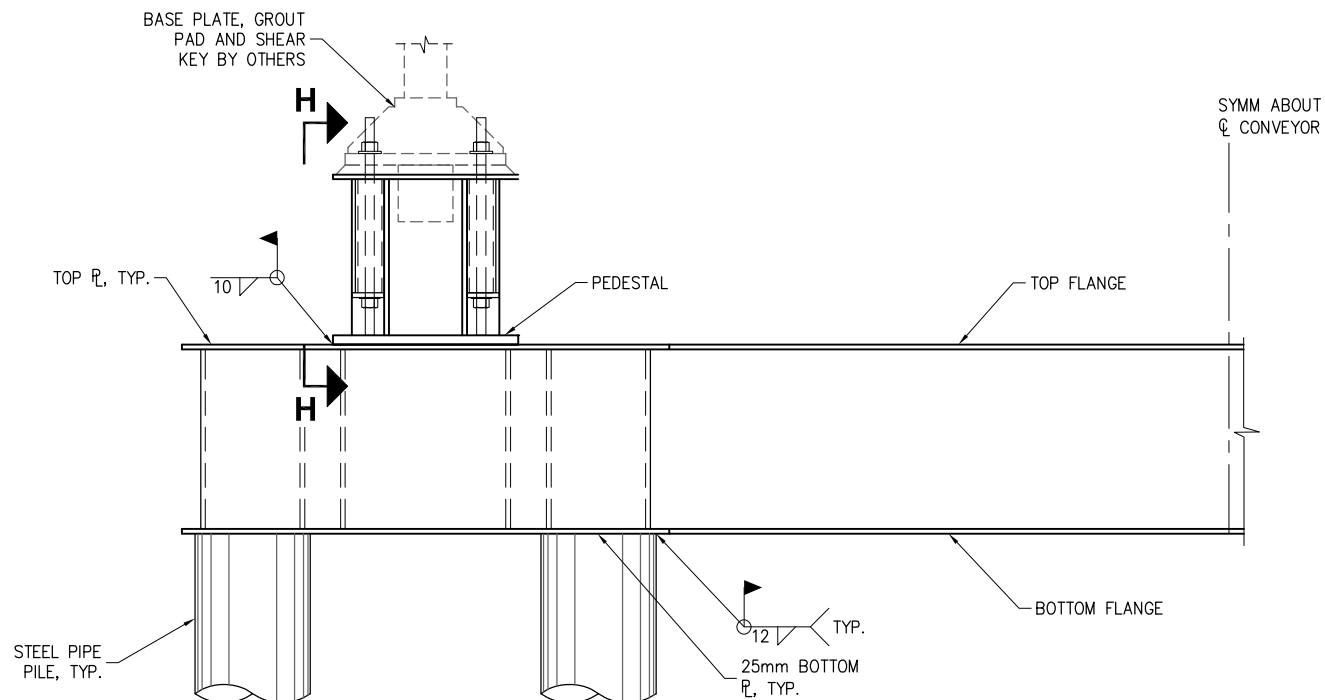
SECTION E-E



SECTION H-H



SECTION I-I



ELEVATION

ISSUED FOR CONSTRUCTION



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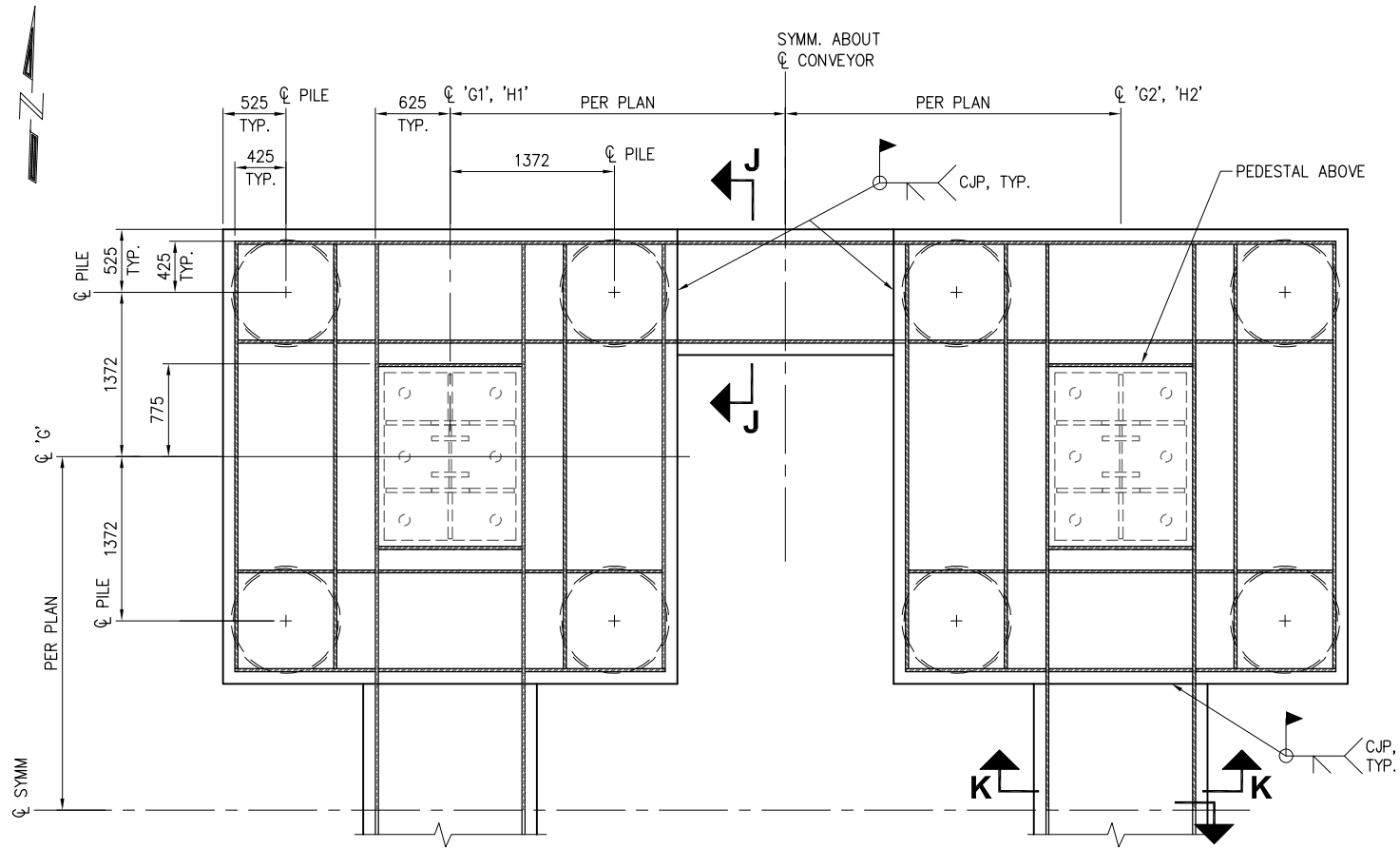
5-30-14

REVISIONS		
REV	DATE	DESCRIPTION

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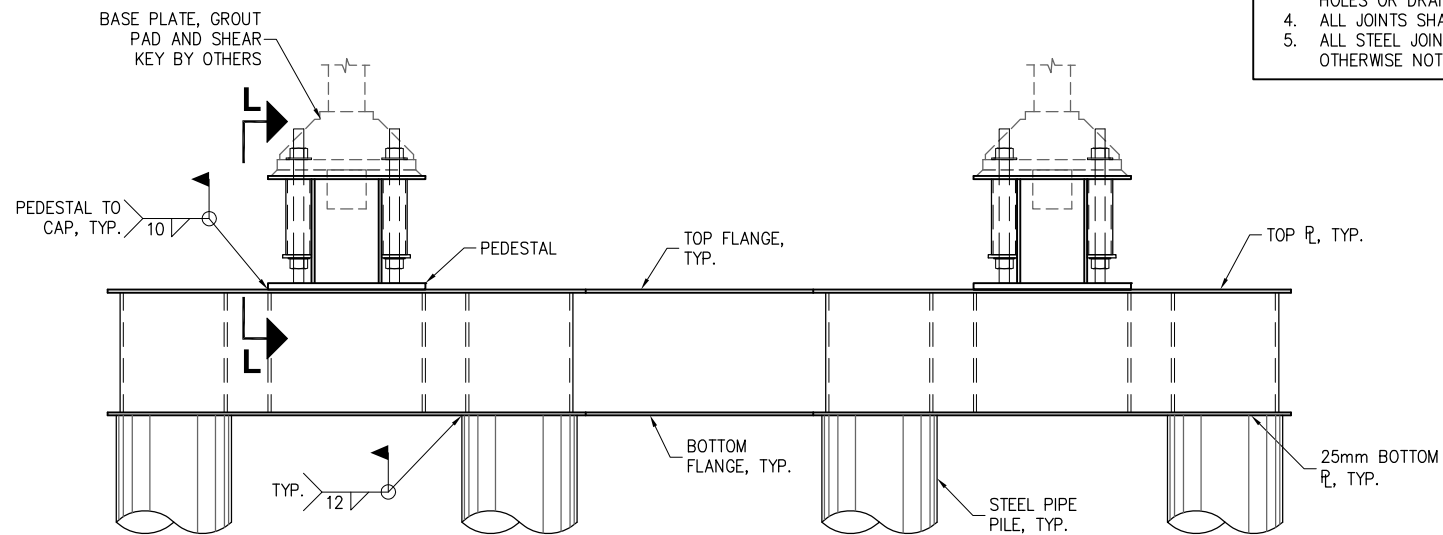
PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
CONVEYOR FOUNDATIONS FOUNDATION F DETAILS			
DESIGNED BY:	VHTN	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S4.4

5/30/14 Drawings 2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S4.5.dwg



PLAN

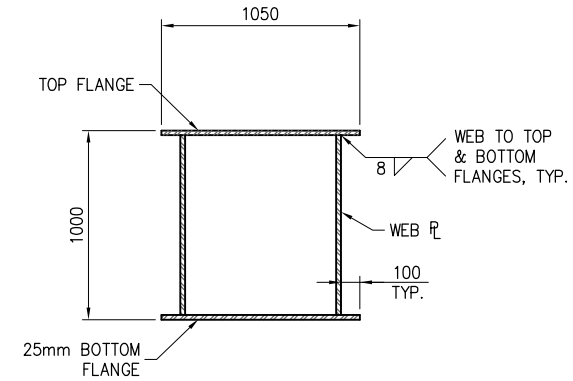
TOP PLATE NOT SHOWN FOR CLARITY



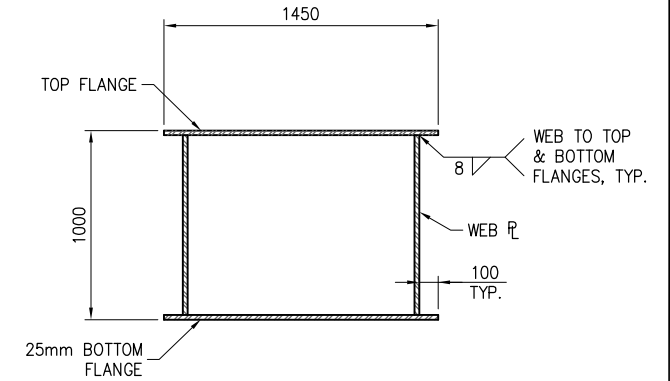
ELEVATION

NOTES:

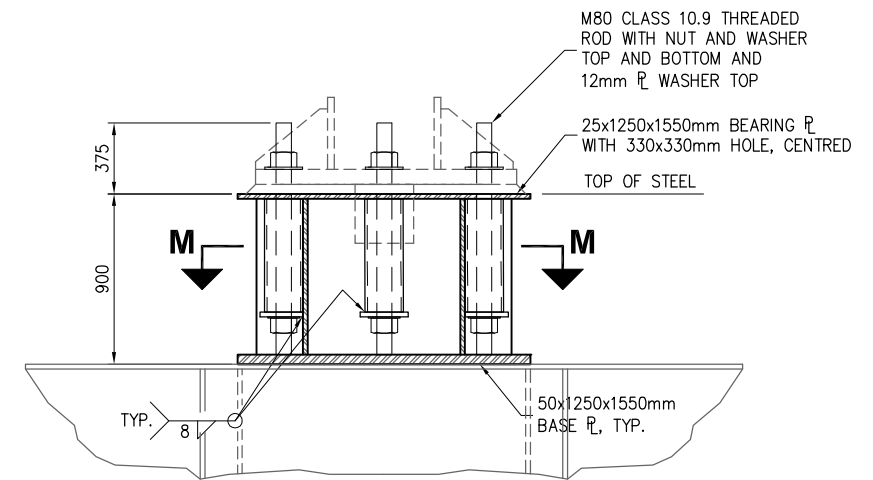
1. ALL PLATE IS 19mm, UNLESS OTHERWISE NOTED.
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3. IN ALL CASES THE EXTERIOR OF THE PILE CAP IS WELDED. WELDMENTS ARE TOTALLY SEALED. (NO RAT HOLES OR DRAIN HOLES EXCEPT AS SHOWN)
4. ALL JOINTS SHALL BE WELDED CONTINUOUSLY.
5. ALL STEEL JOINTS SHALL BE WELDED WITH CJP UNLESS OTHERWISE NOTED.



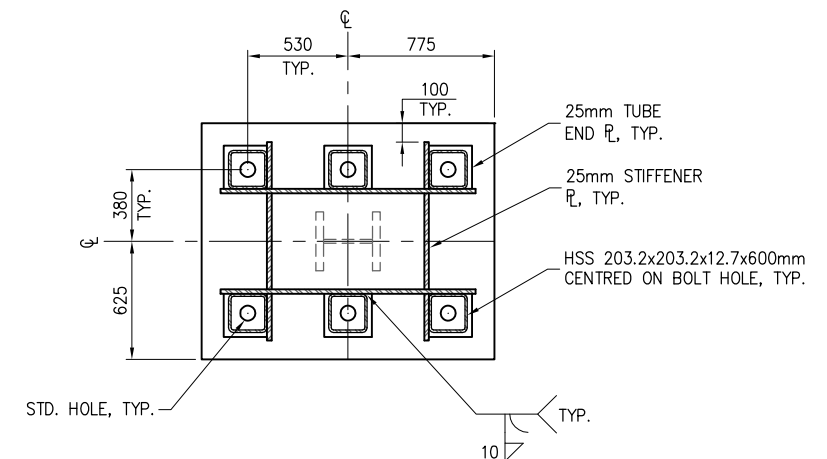
SECTION I-I



SECTION J-J



SECTION L-L

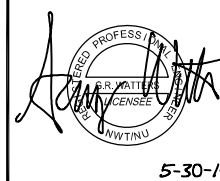


SECTION M-M

ISSUED FOR CONSTRUCTION



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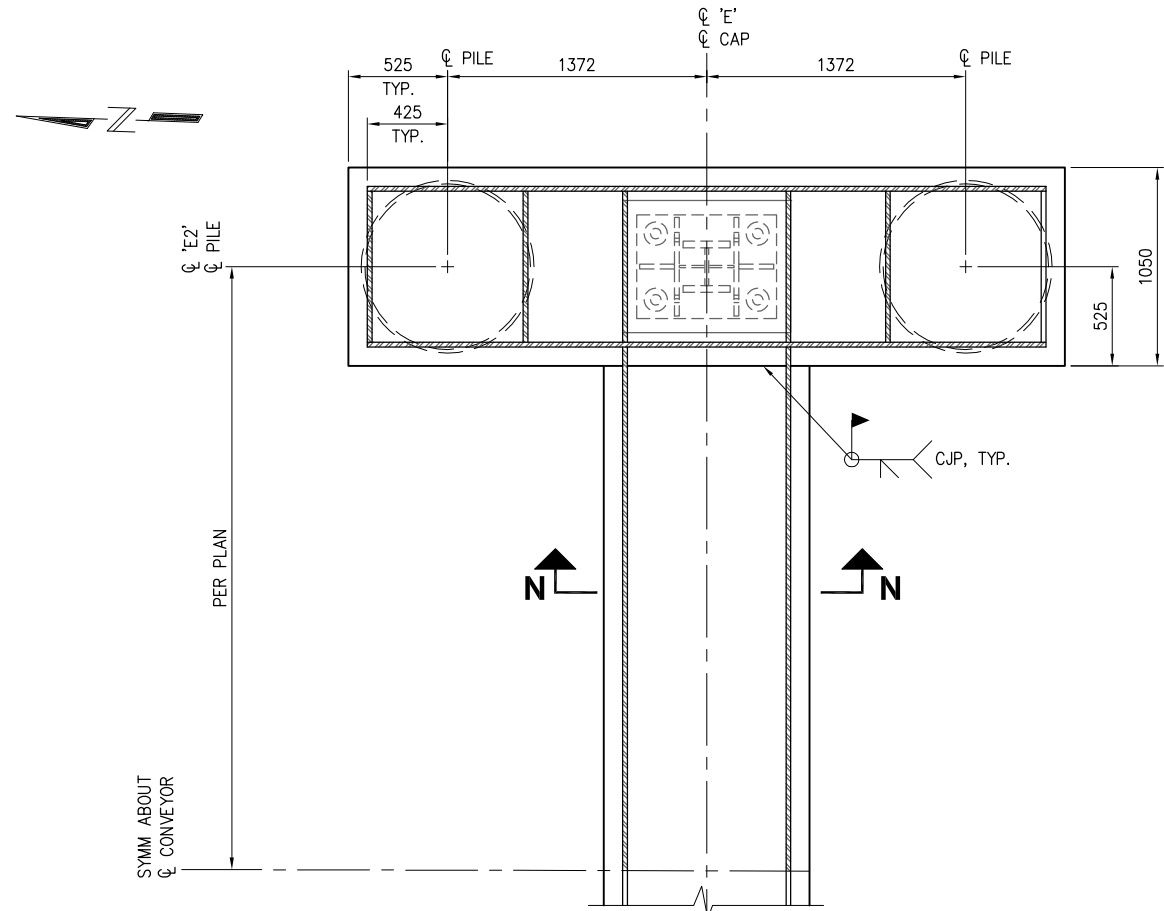


REVISIONS		
REV	DATE	DESCRIPTION

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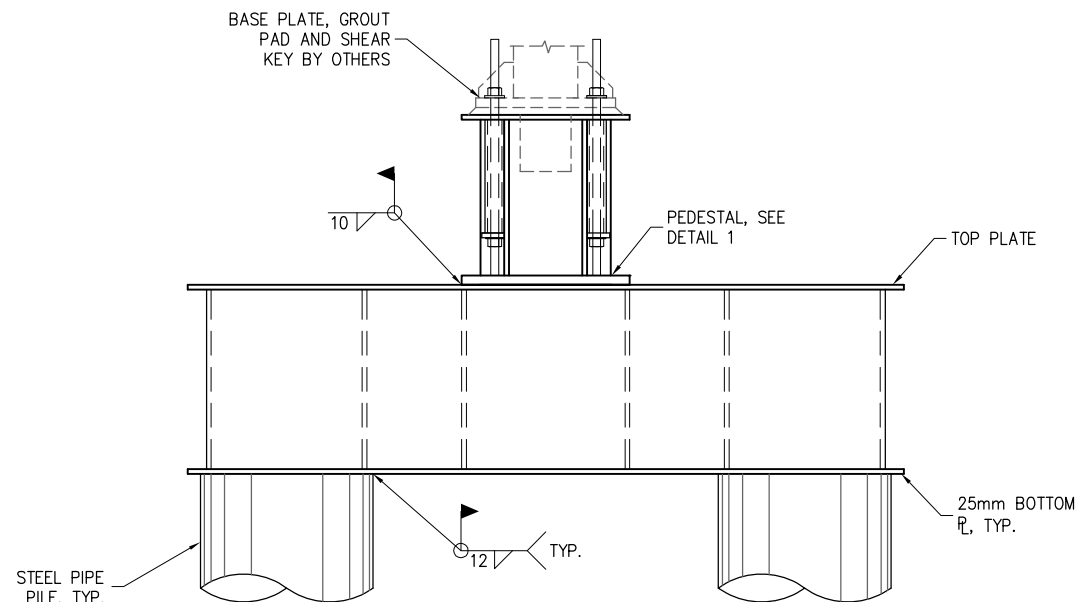
PROJECT: MILNE INLET ORE DOCK			
TITLE: CONVEYOR FOUNDATIONS FOUNDATION G-H PLAN AND ELEVATION			
DESIGNED BY: VHTN	PROJECT NO: 144016.01	SHEET NO: S4.5	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

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PLAN

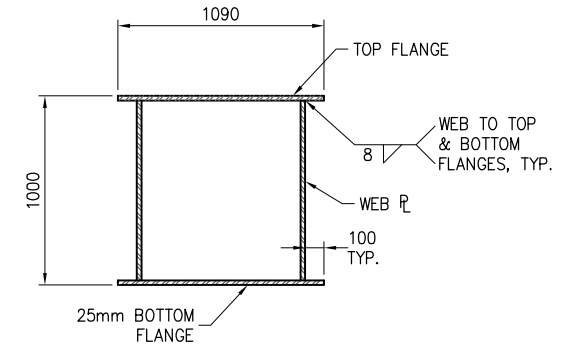
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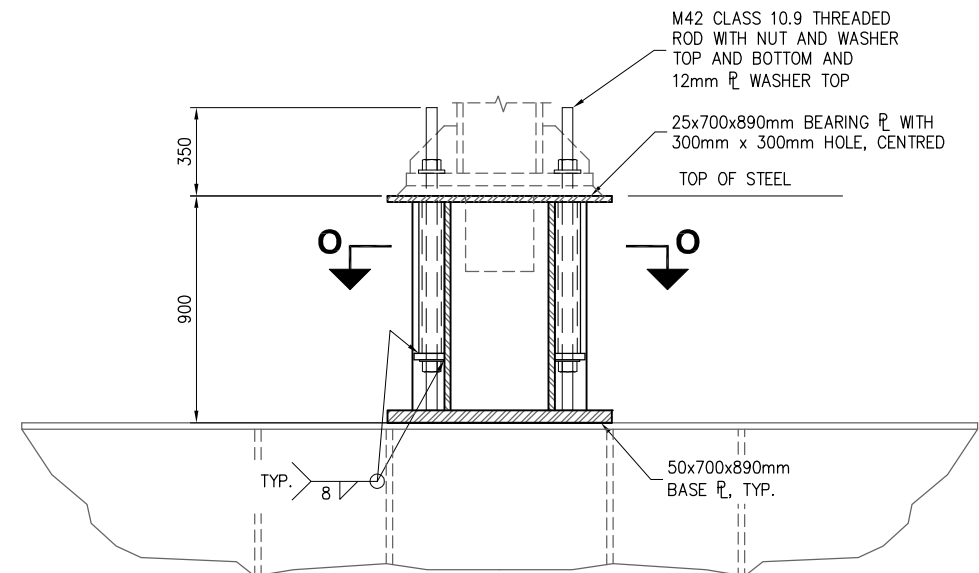
ELEVATION

NOTES:

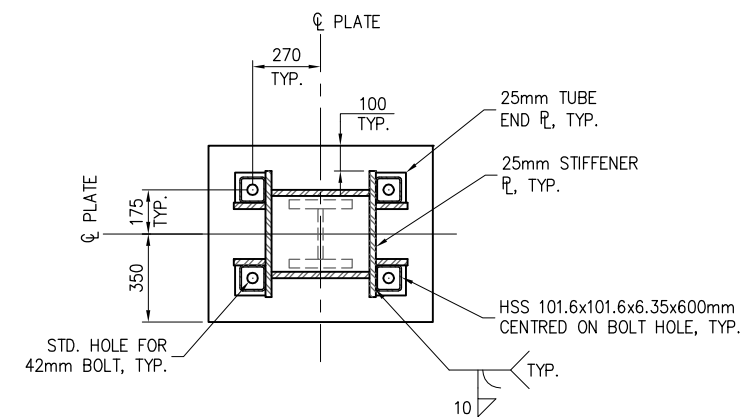
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4. ALL JOINTS SHALL BE WELDED CONTINUOUSLY.
5. ALL STEEL JOINTS SHALL BE WELDED WITH CJP UNLESS OTHERWISE NOTED.



SECTION N-N



DETAIL 1

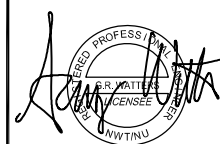


SECTION O-O

ISSUED FOR CONSTRUCTION



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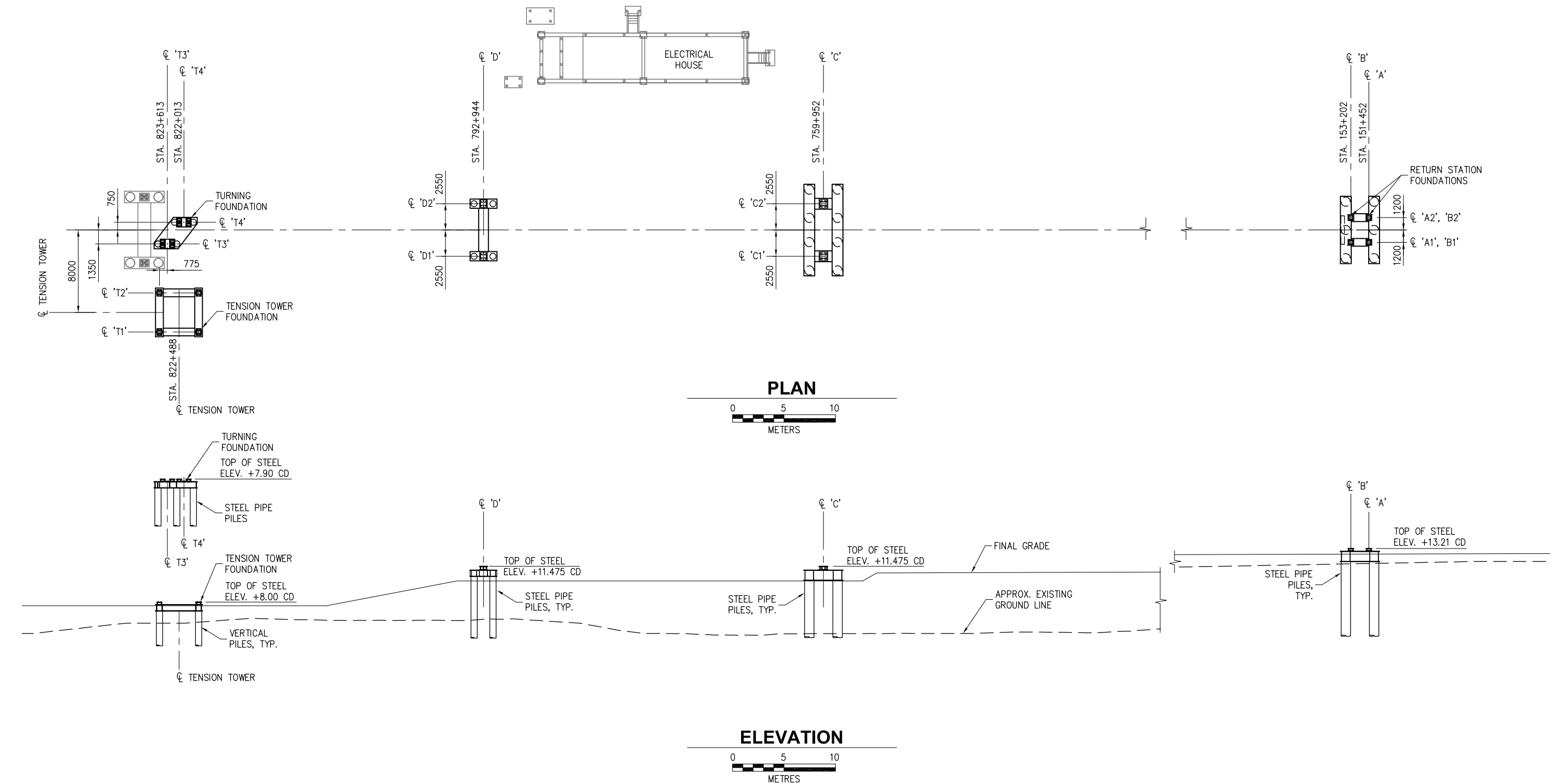
5-30-14

REVISIONS		
REV	DATE	DESCRIPTION

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PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
CONVEYOR FOUNDATIONS FOUNDATION E DETAILS			
DESIGNED BY:	VHTN	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S4.6

5/30/14
Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S5.1.dwg



ISSUED FOR CONSTRUCTION



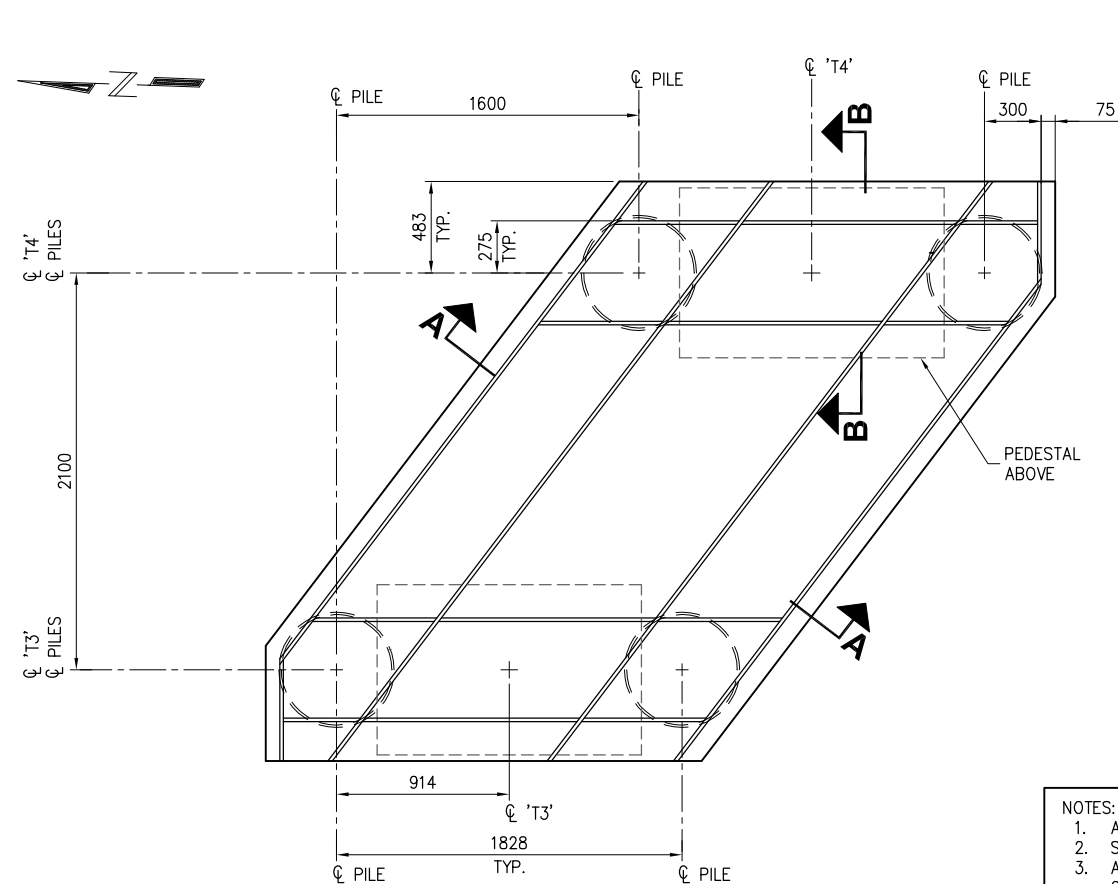
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REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT:		MILNE INLET ORE DOCK	
TITLE:		UPLAND CONVEYOR FOUNDATIONS PLAN AND ELEVATION	
DESIGNED BY:	KB	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S5.1

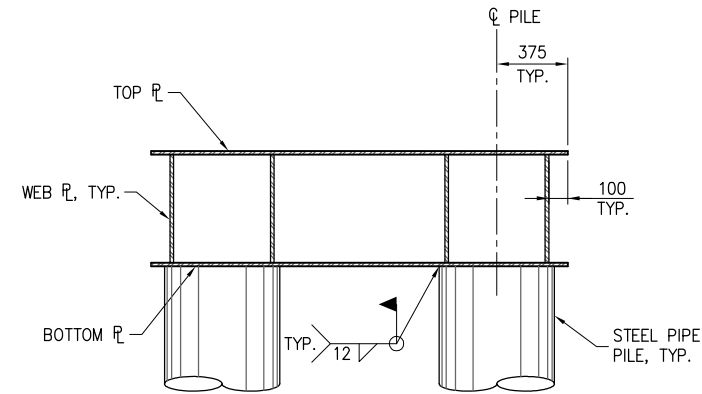
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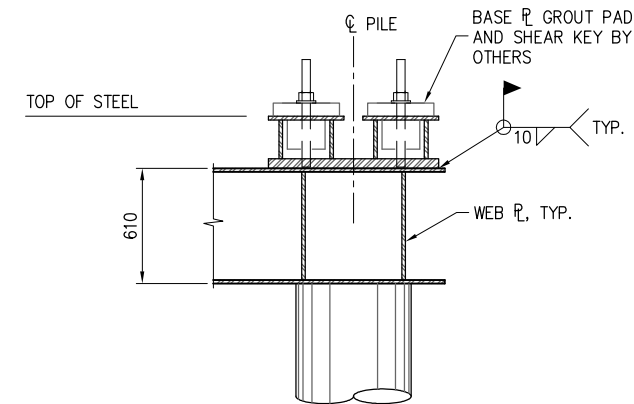
PLAN

TOP PLATE NOT SHOWN FOR CLARITY

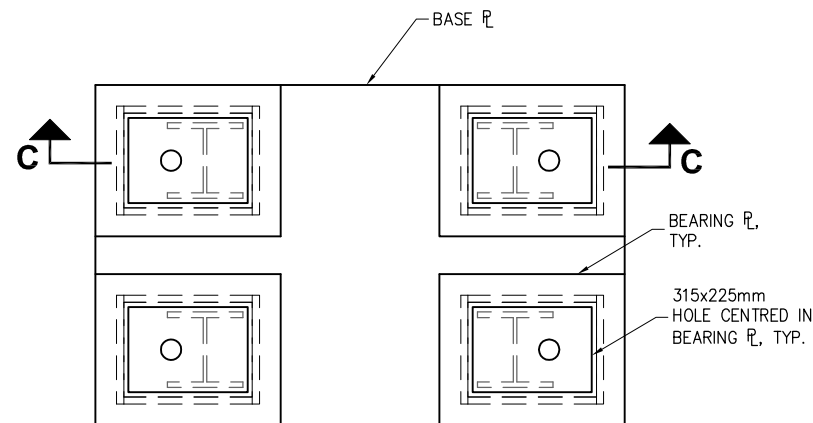
- NOTES:
1. ALL PLATE IS 19mm, UNLESS OTHERWISE NOTED.
 2. SEE PILE SCHEDULE FOR PILE SIZE AND LENGTH.
 3. ALL JOINTS BETWEEN WEBS OR STIFFENERS SHALL BE CJP, UNLESS OTHERWISE NOTED.
 4. IN ALL CASES THE EXTERIOR OF THE PILE CAP IS WELDED. WELDMENTS ARE TOTALLY SEALED. (NO RAT HOLES OR DRAIN HOLES EXCEPT AS SHOWN)
 5. ALL JOINTS SHALL BE WELDED CONTINUOUSLY.
 6. ALL STEEL JOINTS SHALL BE WELDED WITH 8mm FILLET ONE SIDE UNLESS OTHERWISE NOTED.



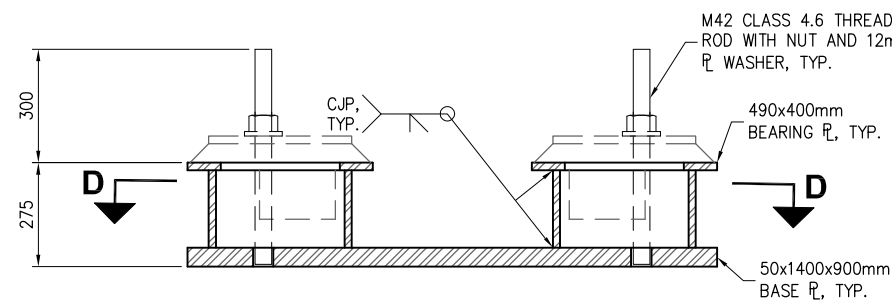
SECTION A-A



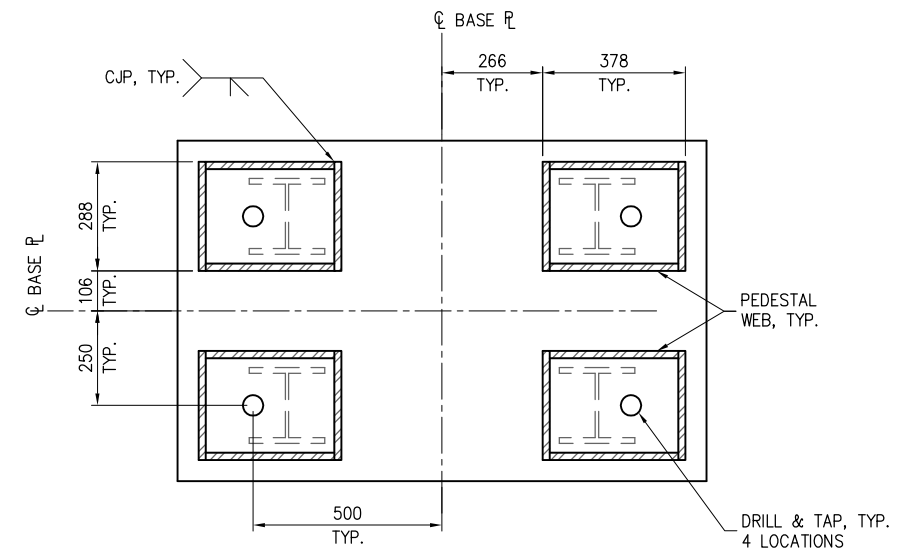
SECTION B-B



PEDESTAL DETAIL



SECTION C-C

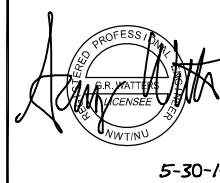


SECTION D-D

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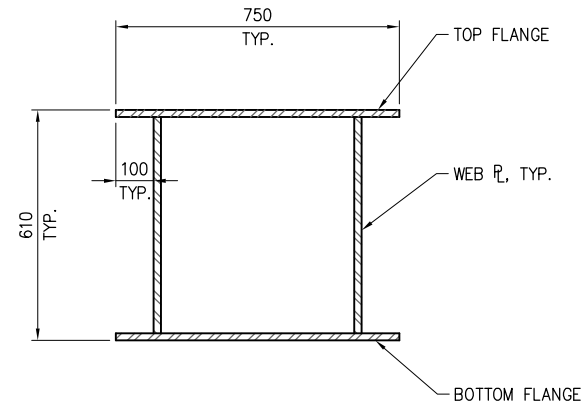
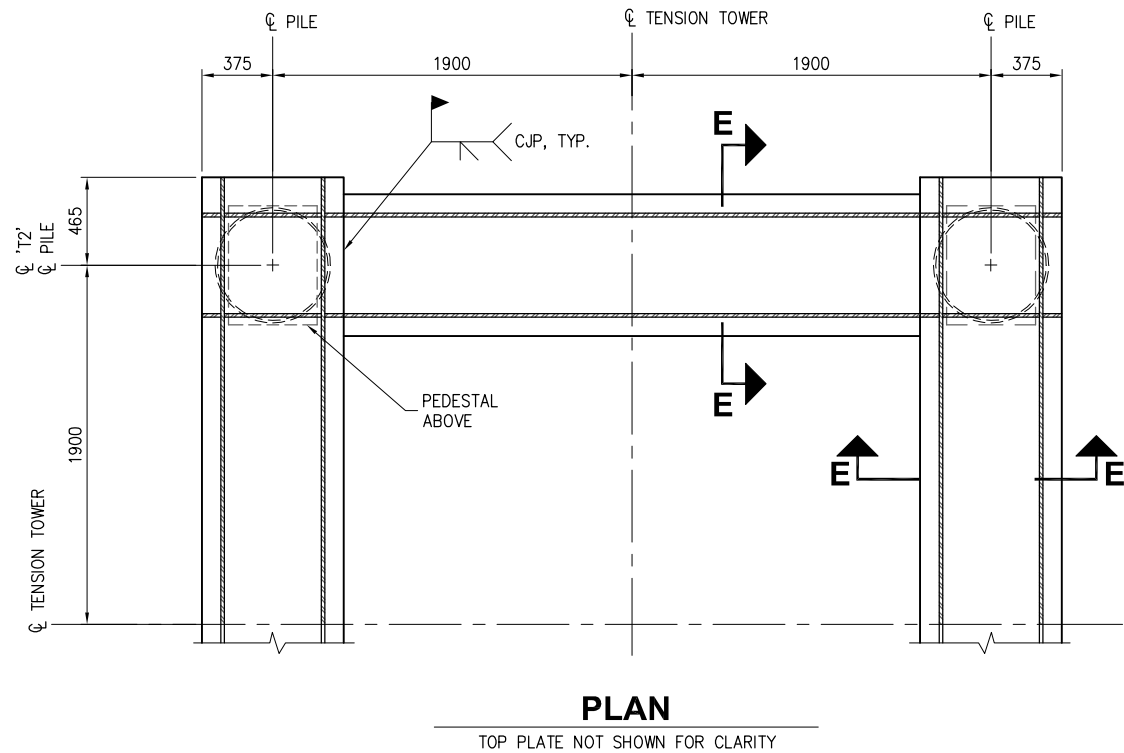


REVISIONS		
REV	DATE	DESCRIPTION

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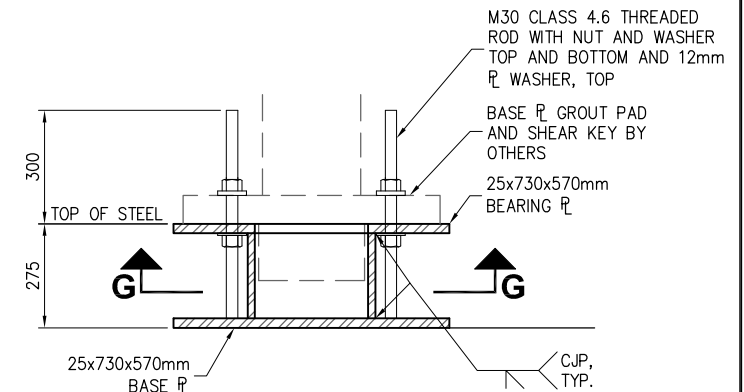
PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
UPLAND CONVEYOR FOUNDATIONS TURNING FOUNDATION DETAILS			
DESIGNED BY:	CK	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S5.2

5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S5.3.dwg

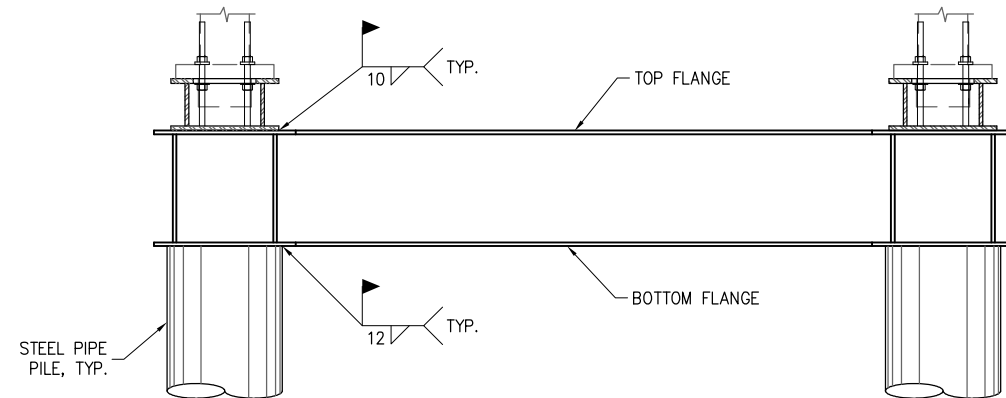


SECTION E-E

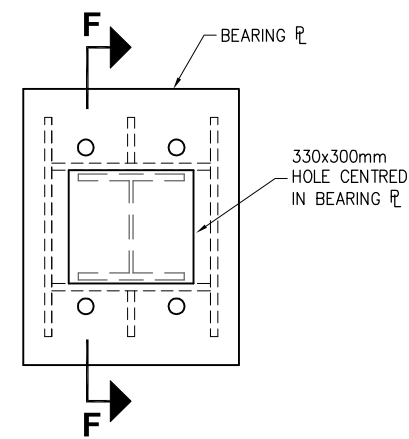
- NOTES:
1. ALL PLATE IS 19mm, UNLESS OTHERWISE NOTED.
 2. SEE PILE SCHEDULE FOR PILE SIZE AND LENGTH.
 3. ALL JOINTS BETWEEN WEBS OR STIFFENERS SHALL BE CJP, UNLESS OTHERWISE NOTED.
 4. IN ALL CASES THE EXTERIOR OF THE PILE CAP IS WELDED. WELDMENTS ARE TOTALLY SEALED. (NO RAT HOLES OR DRAIN HOLES EXCEPT AS SHOWN)
 5. ALL JOINTS SHALL BE WELDED CONTINUOUSLY.
 6. ALL STEEL JOINTS SHALL BE WELDED WITH 8mm FILLET ONE SIDE UNLESS OTHERWISE NOTED.



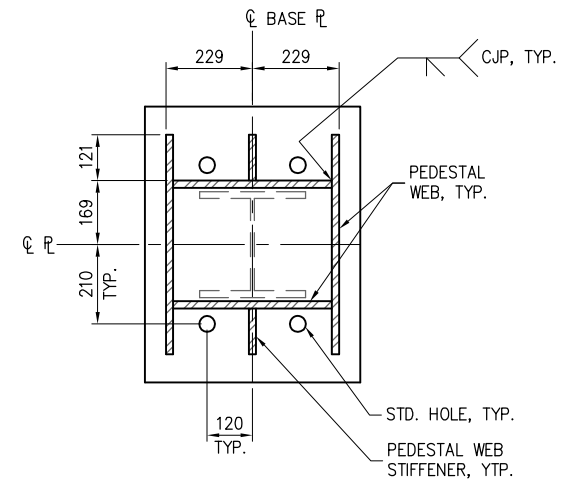
SECTION F-F



ELEVATION



PEDESTAL DETAIL

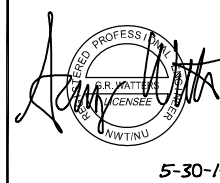


SECTION G-G

ISSUED FOR CONSTRUCTION



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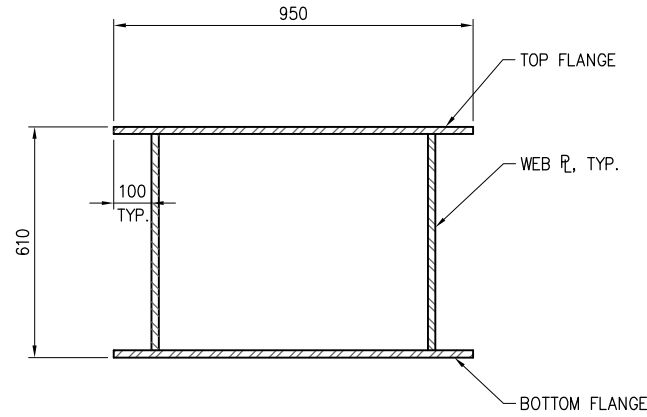
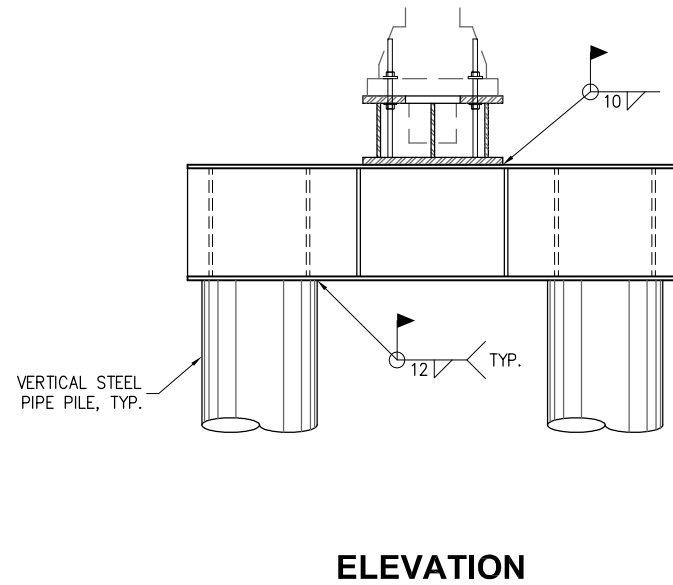
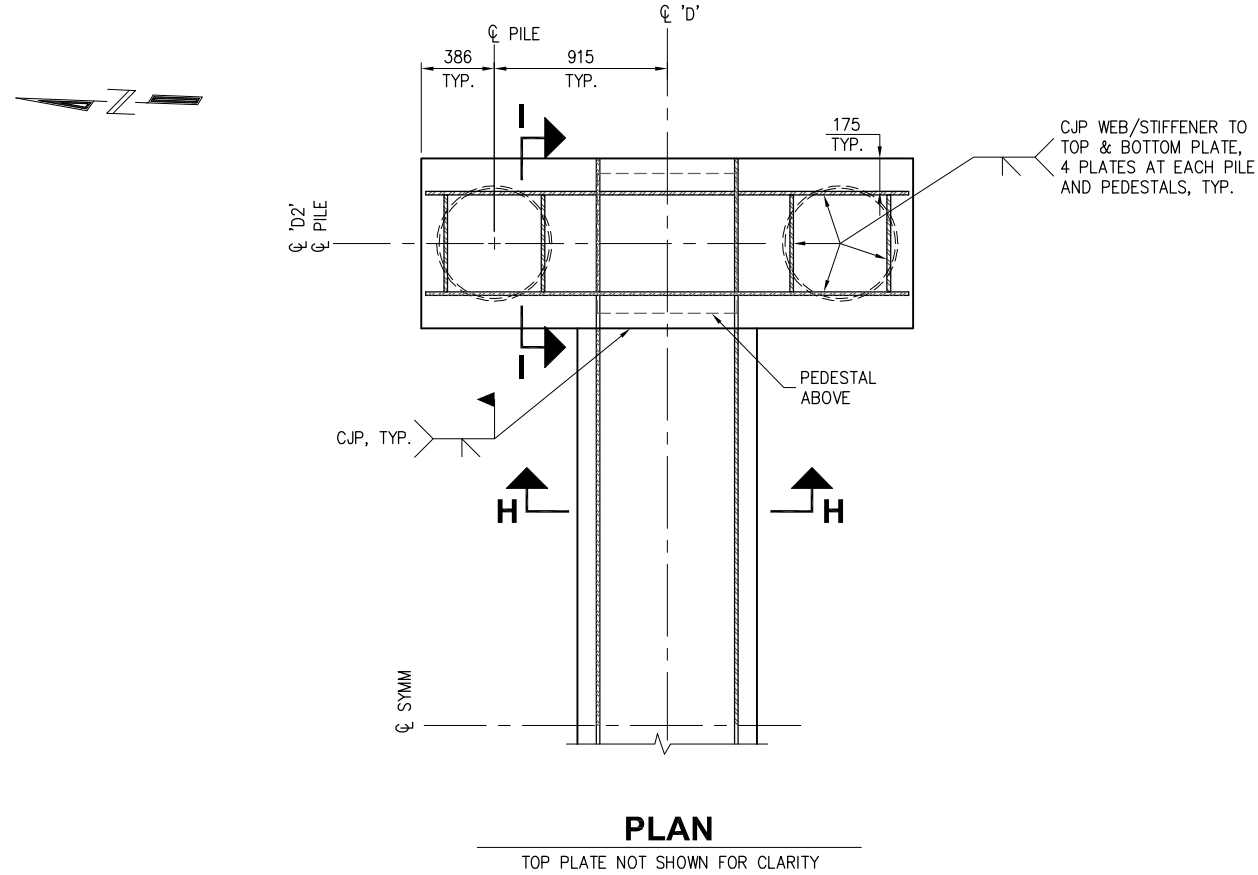


REVISIONS		
REV	DATE	DESCRIPTION

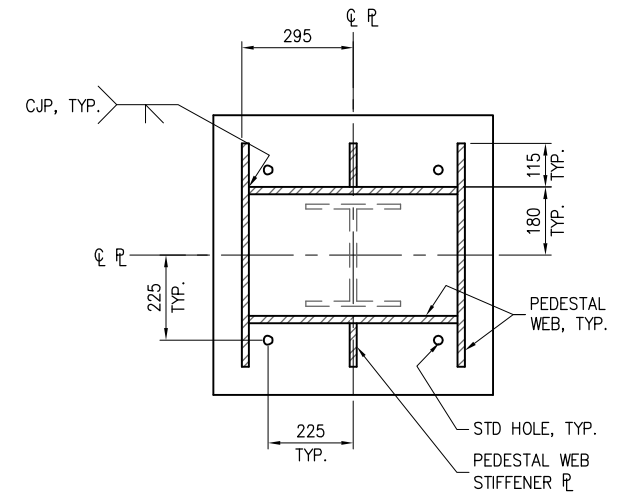
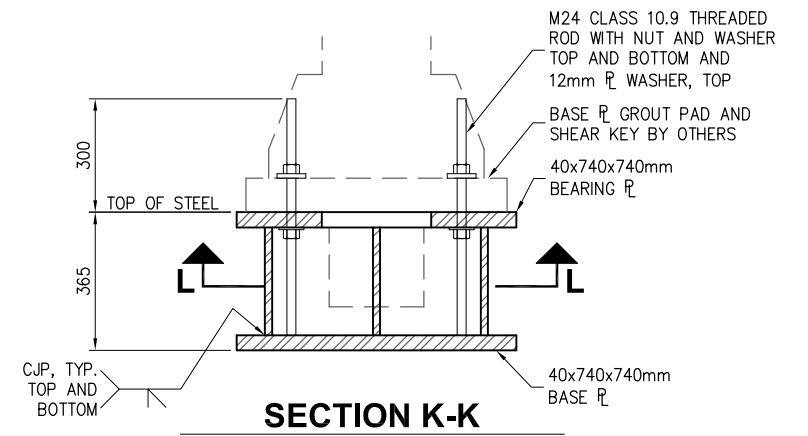
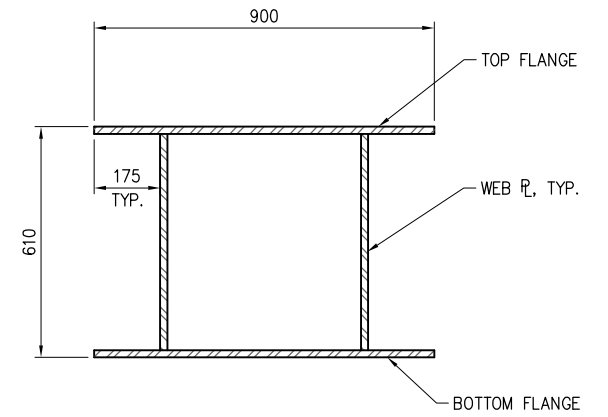
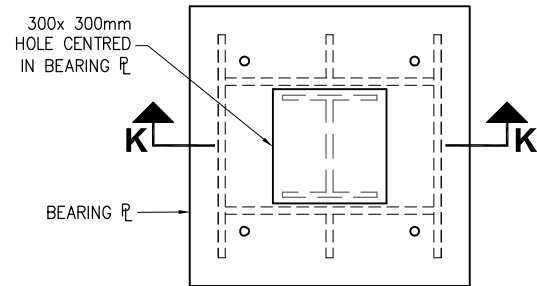
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PROJECT: MILNE INLET ORE DOCK			
TITLE: UPLAND CONVEYOR FOUNDATIONS TENSIONER FOUNDATION DETAILS			
DESIGNED BY: CK	PROJECT NO: 144016.01	SHEET NO: S5.3	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S5.4.dwg



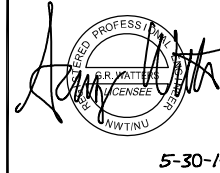
- NOTES:
1. ALL PLATE IS 19mm, UNLESS OTHERWISE NOTED.
 2. SEE PILE SCHEDULE FOR PILE SIZE AND LENGTH.
 3. ALL JOINTS BETWEEN WEBS OR STIFFENERS SHALL BE CJP, UNLESS OTHERWISE NOTED.
 4. IN ALL CASES THE EXTERIOR OF THE PILE CAP IS WELDED. WELDMENTS ARE TOTALLY SEALED. (NO RAT HOLES OR DRAIN HOLES EXCEPT AS SHOWN)
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 6. ALL STEEL JOINTS SHALL BE WELDED WITH 8mm FILLET ONE SIDE UNLESS OTHERWISE NOTED.



ISSUED FOR CONSTRUCTION



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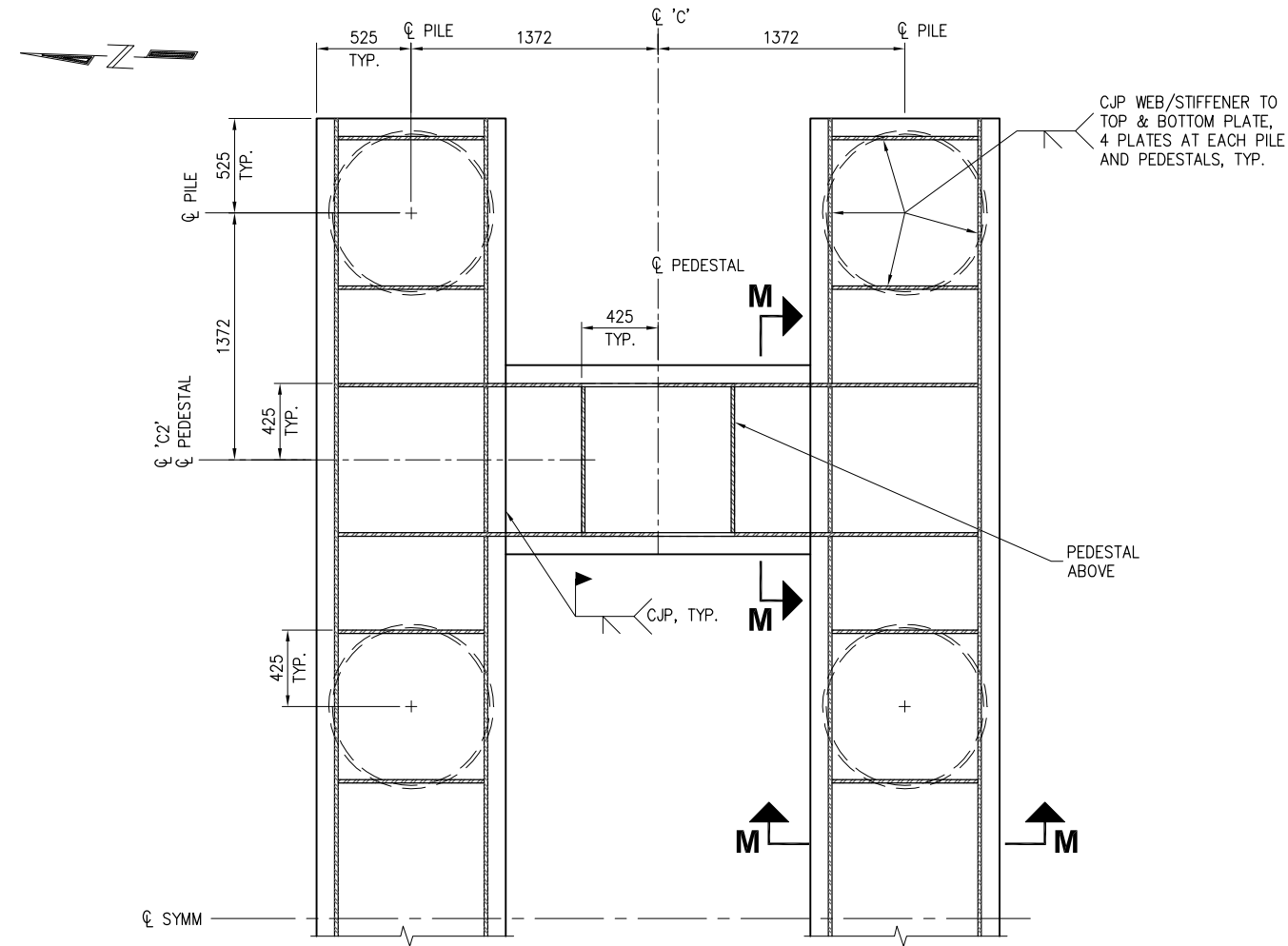


REVISIONS		
REV	DATE	DESCRIPTION

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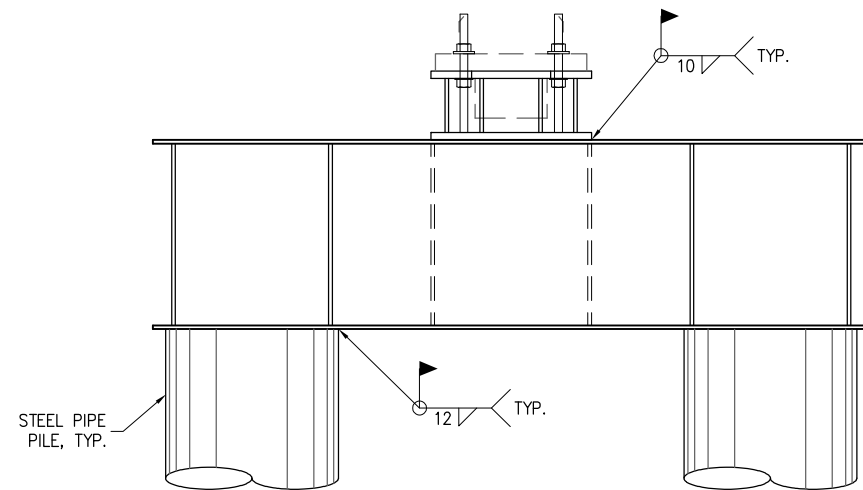
PROJECT: MILNE INLET ORE DOCK			
TITLE: UPLAND CONVEYOR FOUNDATIONS FOUNDATION D DETAILS			
DESIGNED BY: CK	PROJECT NO: 144016.01	SHEET NO: S5.4	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S5.5.dwg

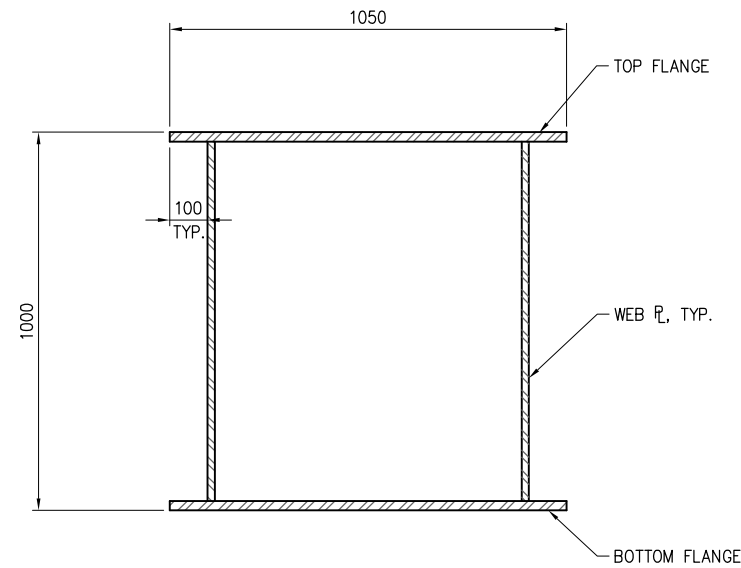


PLAN

TOP PLATE NOT SHOWN FOR CLARITY



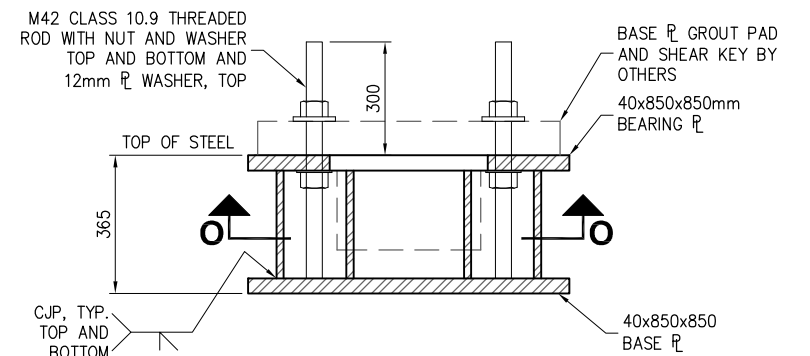
ELEVATION



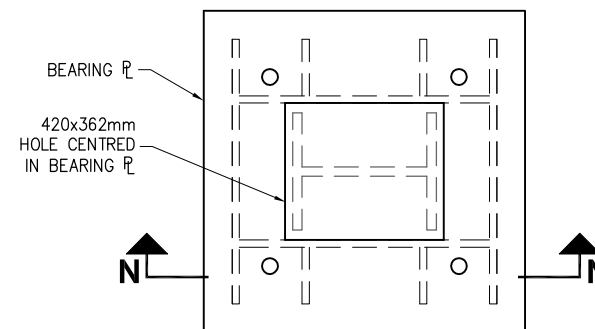
SECTION M-M

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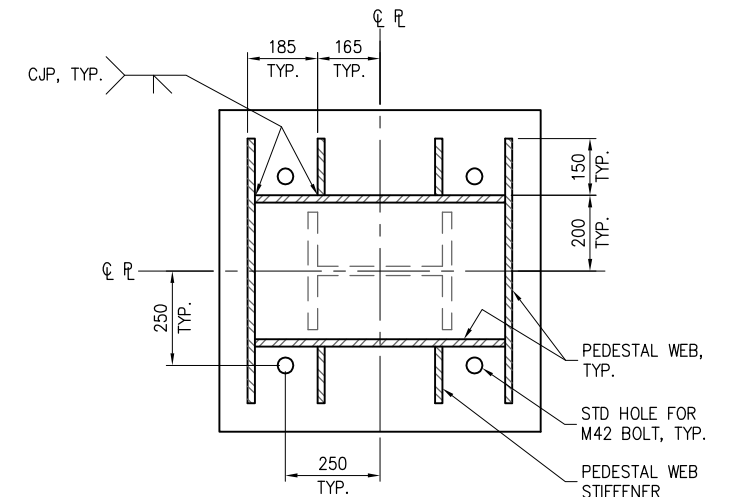
1. ALL PLATE IS 19mm, UNLESS OTHERWISE NOTED.
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SECTION N-N



PEDESTAL DETAIL

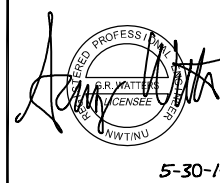


SECTION O-O

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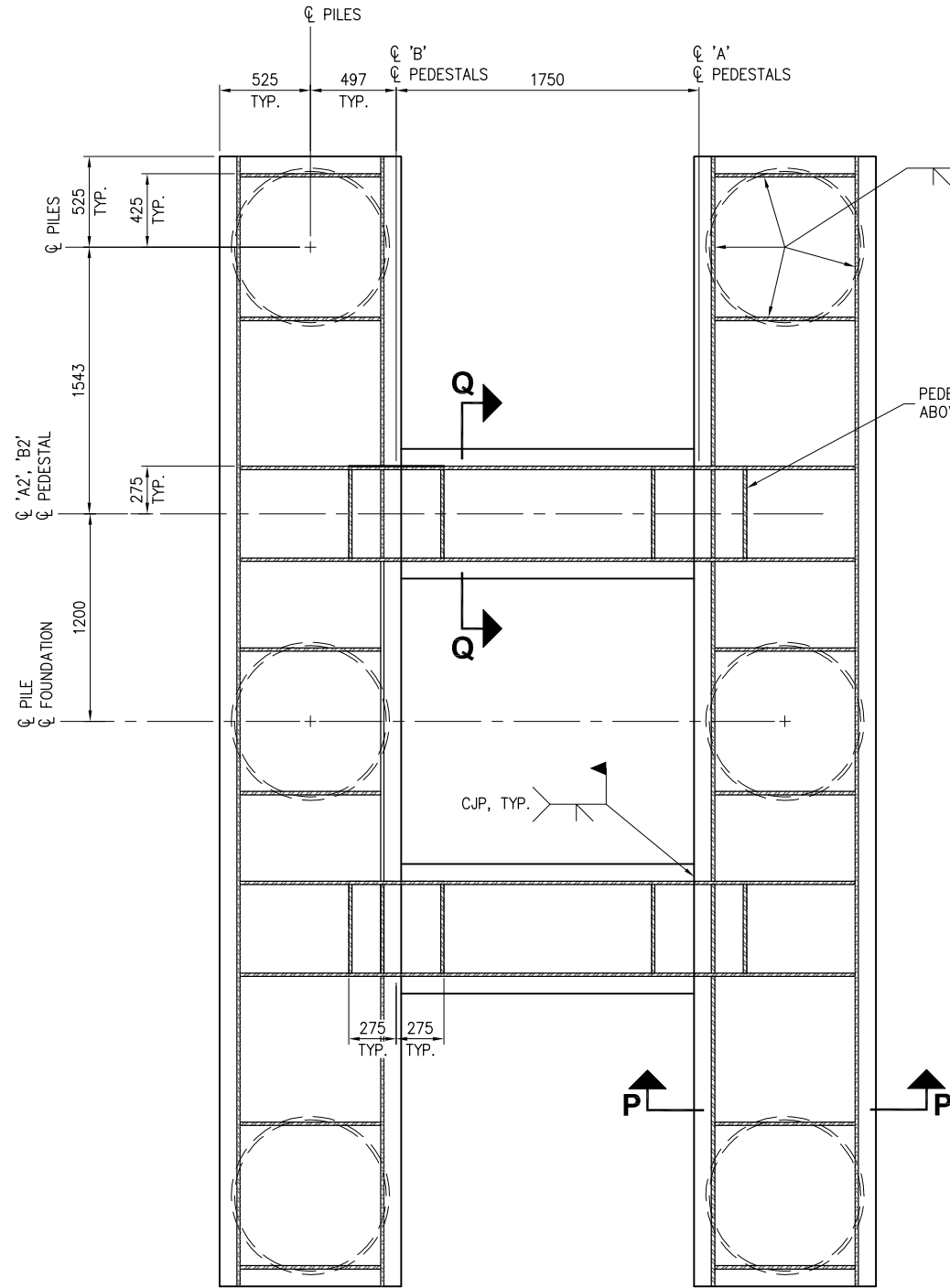
5-30-14

REVISIONS		
REV	DATE	DESCRIPTION

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PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
UPLAND CONVEYOR FOUNDATIONS FOUNDATION C DETAILS			
DESIGNED BY:	KB	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S5.5

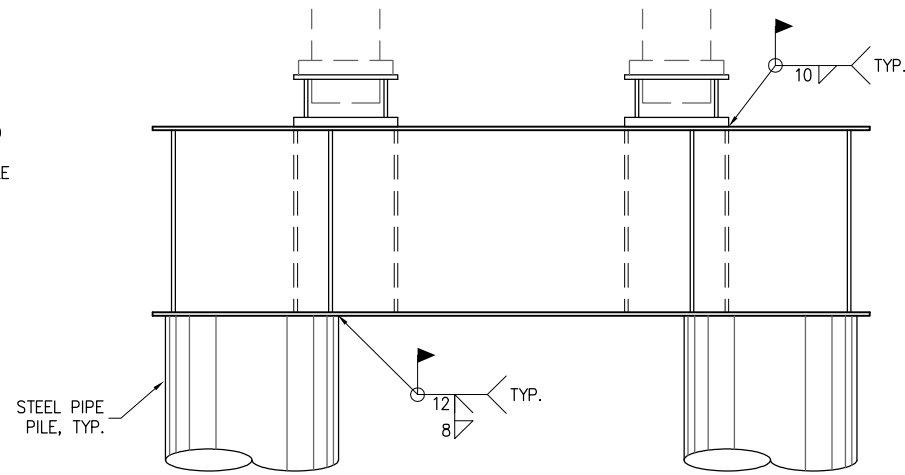
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Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S5.6.dwg



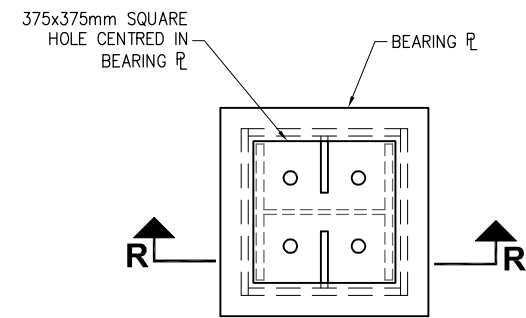
PLAN

TOP PLATE NOT SHOWN FOR CLARITY

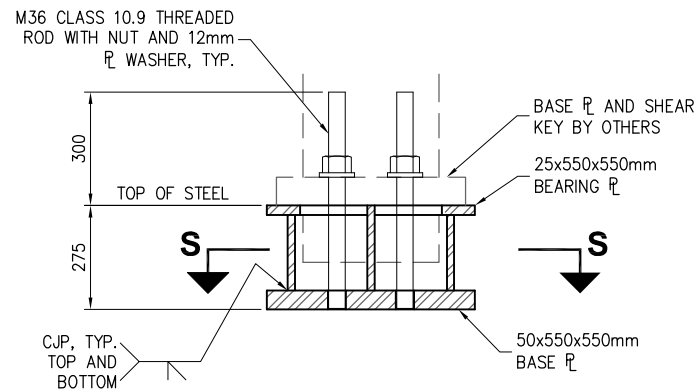
- NOTES:
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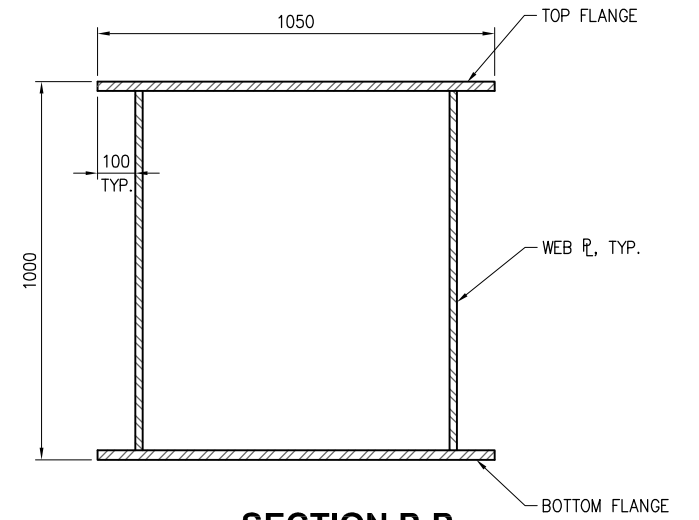
ELEVATION



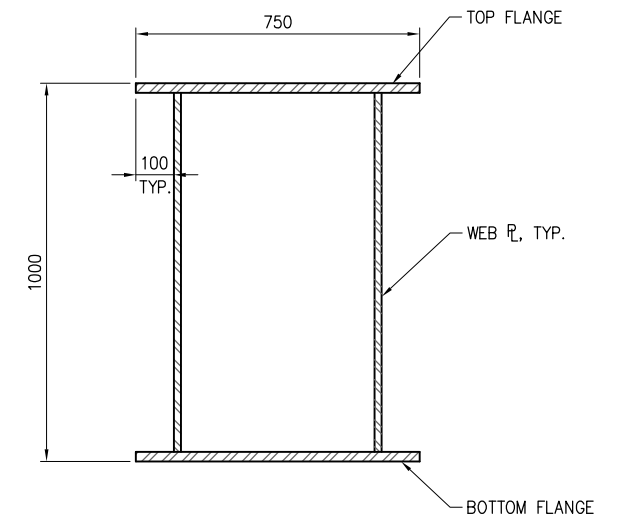
PEDESTAL DETAIL



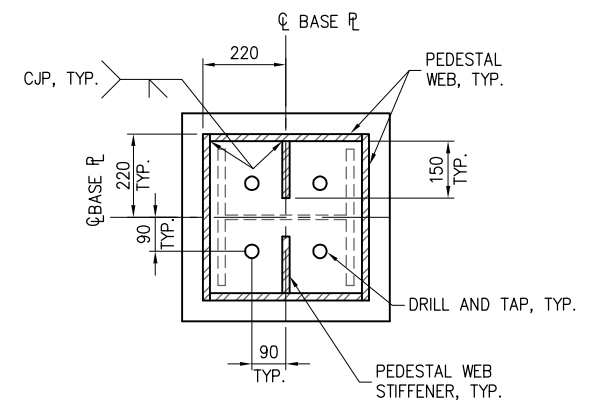
SECTION R-R



SECTION P-P



SECTION Q-Q

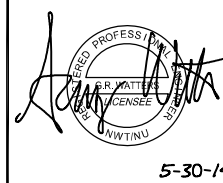


SECTION S-S

ISSUED FOR CONSTRUCTION



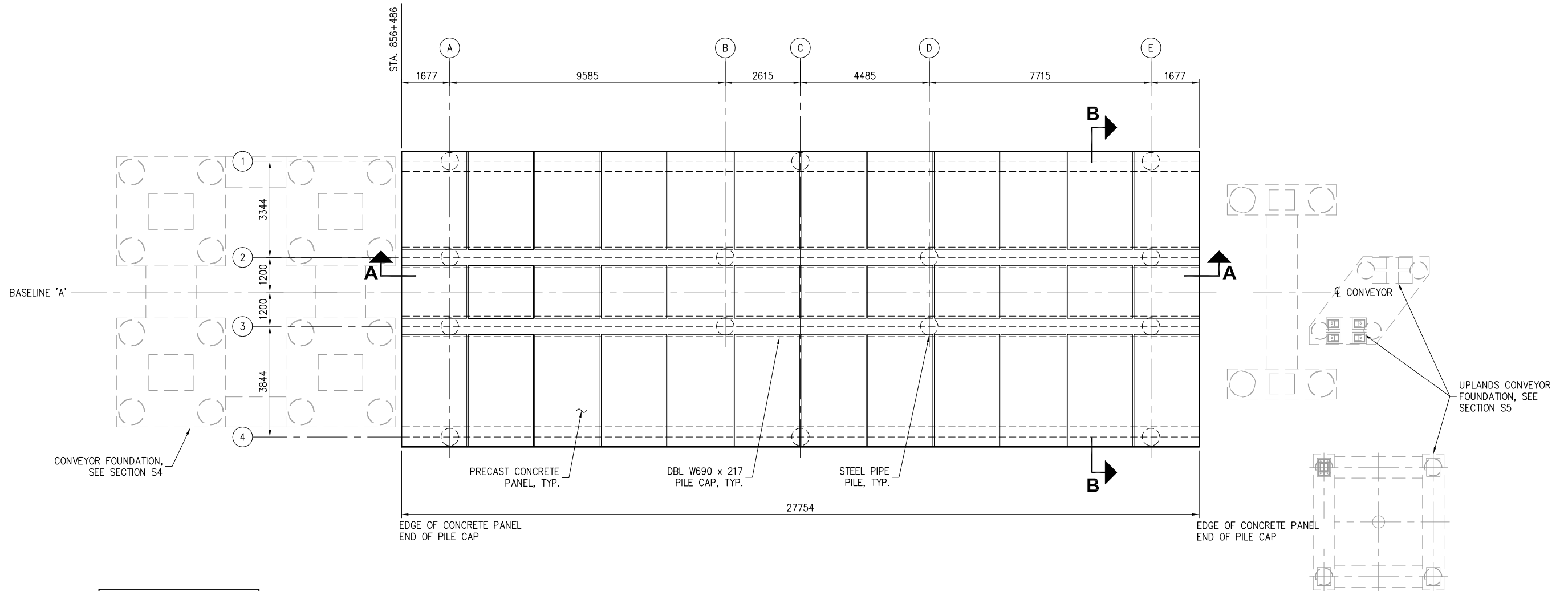
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REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT: MILNE INLET ORE DOCK			
TITLE: UPLAND CONVEYOR FOUNDATIONS RETURN STATION FOUNDATION DETAILS			
DESIGNED BY: KB	PROJECT NO: 144016.01	SHEET NO: S5.6	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S6.1.dwg



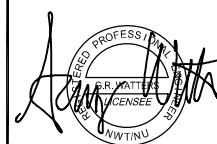
DRIVE HOUSE PLAN



OPEN CELL™, OPEN CELL SHEET PILE™ and OCSP™ are registered trademarks of PND Engineers, Inc.
The OPEN CELL system is patented.
PATENT - US 6,715,964 B2
PATENT - US 7,018,141 B2
PATENT - US 7,488,140 B2
PATENT PENDING - CANADA CA2.714.679



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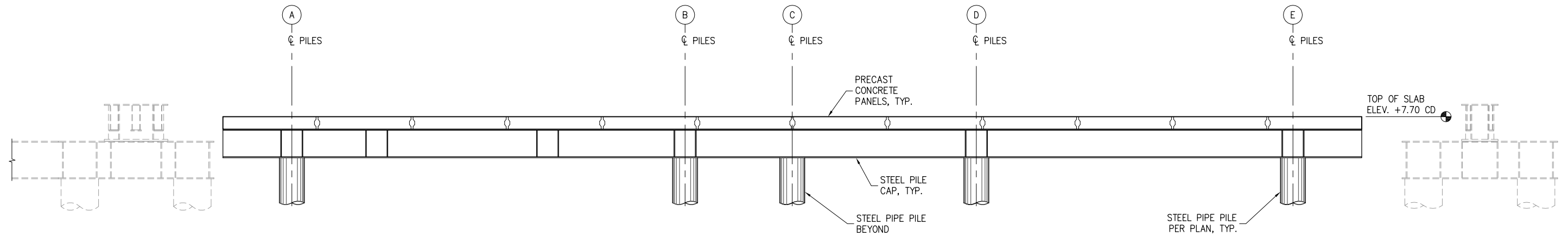
5-30-14

REVISIONS		
REV	DATE	DESCRIPTION
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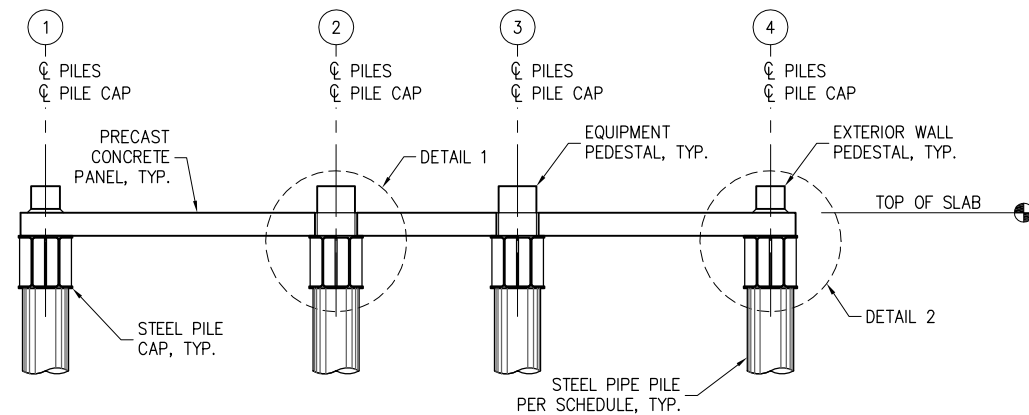
PROJECT: MILNE INLET ORE DOCK			
TITLE: DRIVE HOUSE FOUNDATION PLAN			
DESIGNED BY: CK	PROJECT NO: 144016.01	SHEET NO: S6.1	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

ISSUED FOR CONSTRUCTION

5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S6.2.dwg



SECTION A-A



SECTION B-B



ISSUED FOR CONSTRUCTION

MILNE INLET ORE DOCK

DRIVE HOUSE FOUNDATION
SECTIONS

DESIGNED BY:	CK	PROJECT NO:	144016.01	SHEET NO:
DRAWN BY:	DRH	DATE:	MAY 2014	
CHECKED BY:	TB	SCALE:	NOTED	

S6.2

PND
ENGINEERS
CANADA INC.

RUSKIN
CONSTRUCTION LTD.

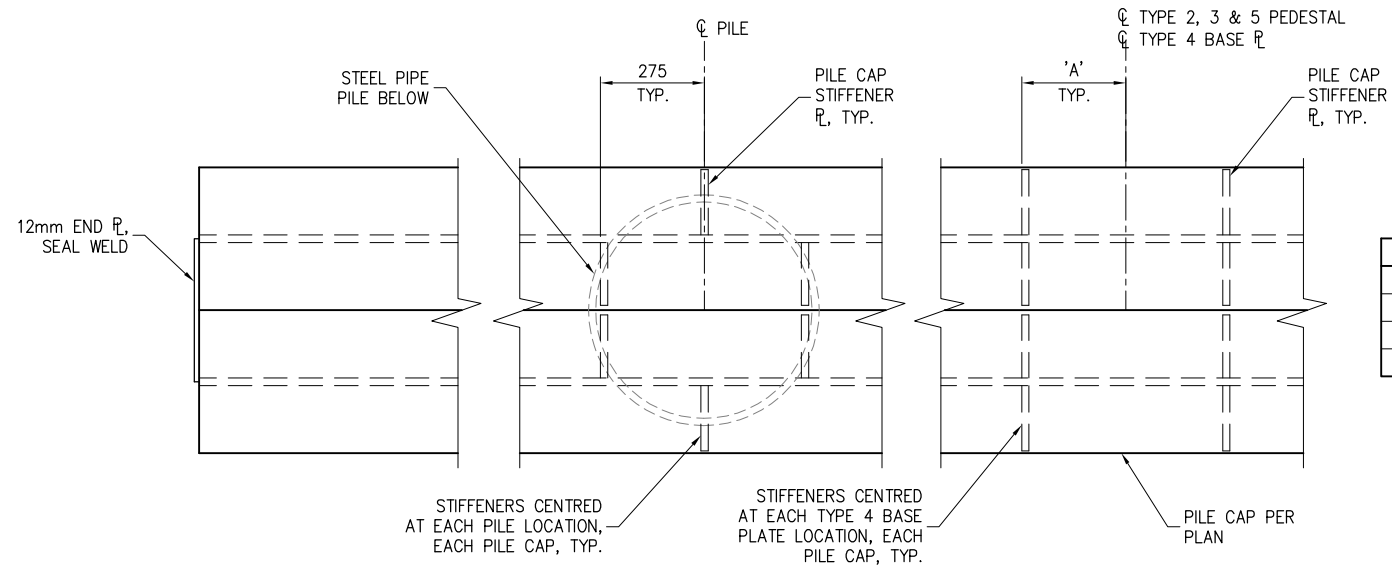
Baffinland
Iron Mines Corporation

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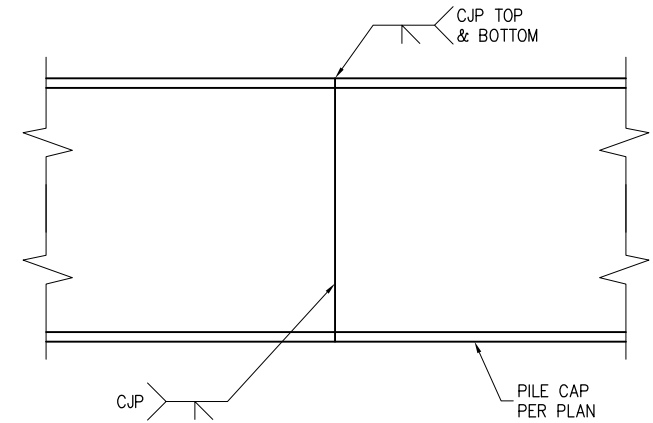
[Signature]
5-30-14

REVISIONS		
REV	DATE	DESCRIPTION
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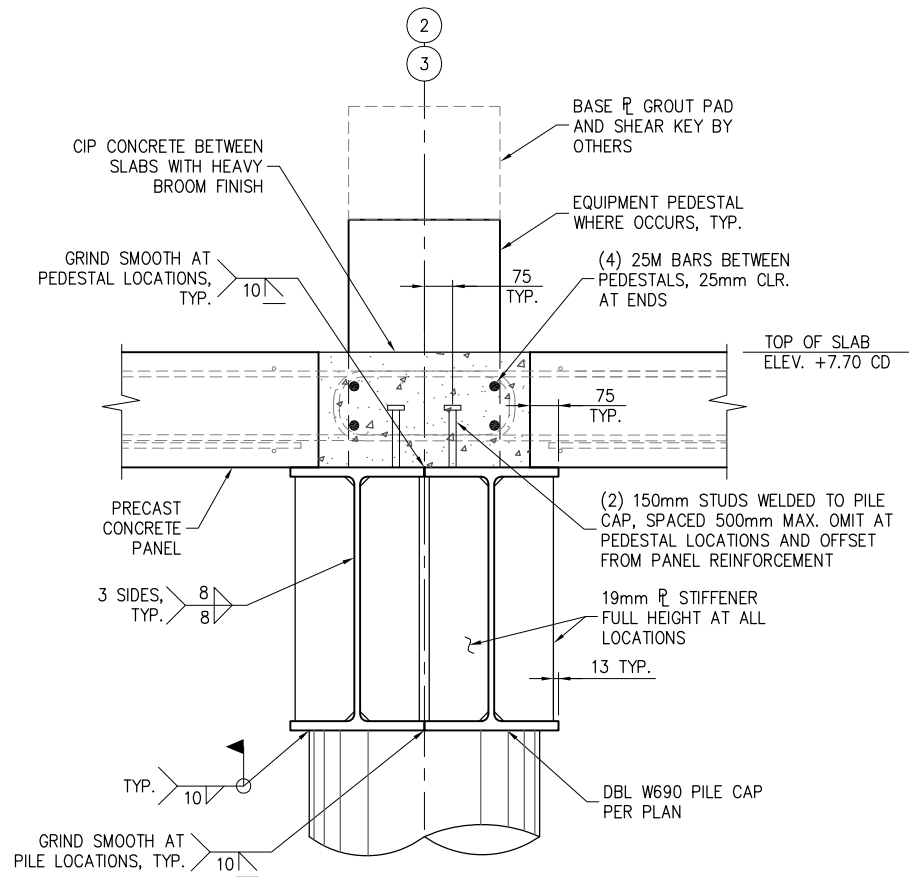
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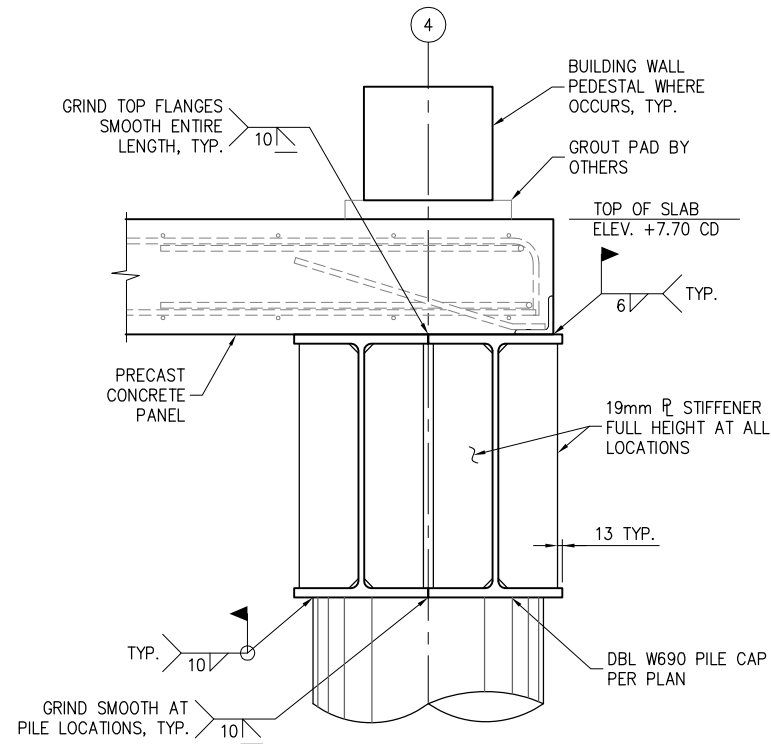
PILE CAP DETAIL



PILE CAP SPLICE



DETAIL 1

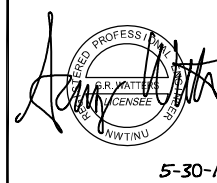


DETAIL 2

ISSUED FOR CONSTRUCTION



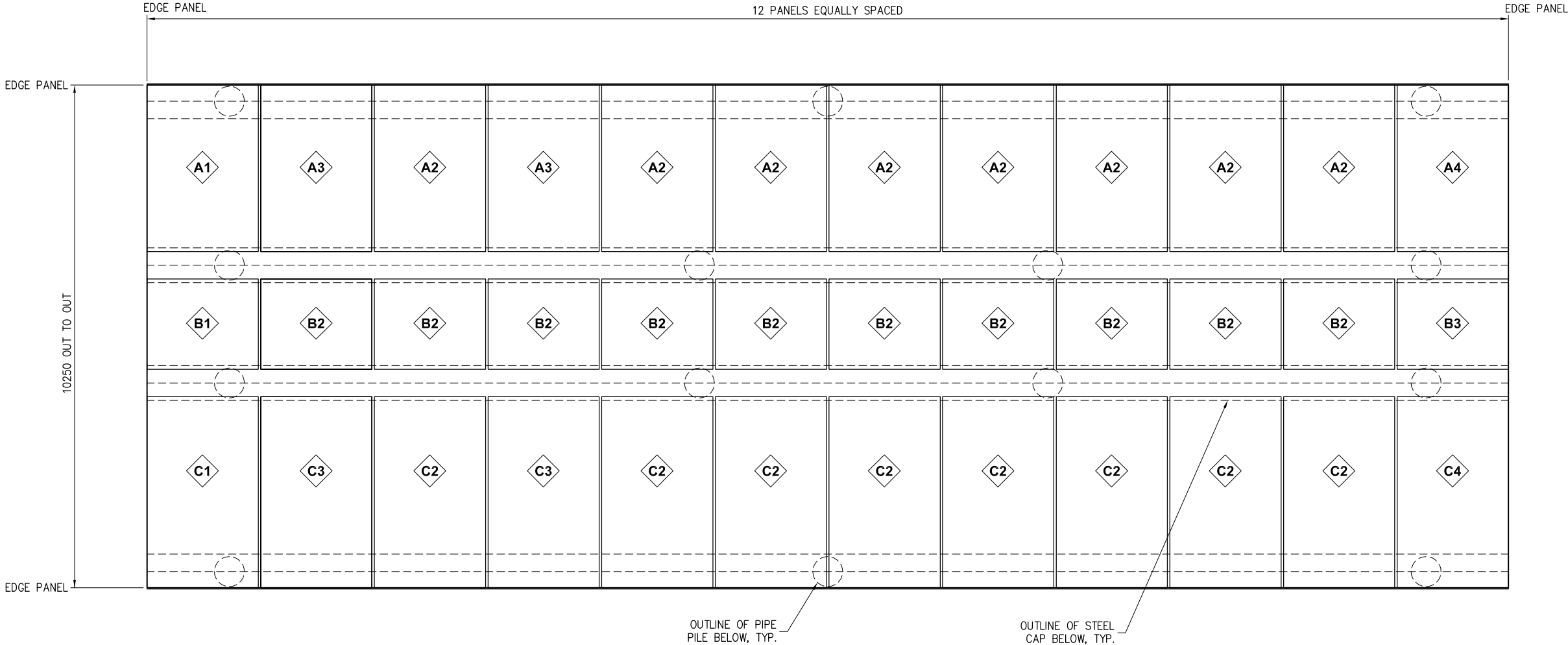
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REVISIONS		
REV	DATE	DESCRIPTION
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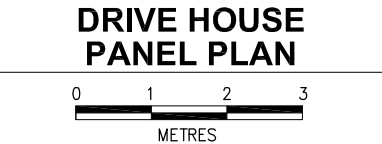
PROJECT:		MILNE INLET ORE DOCK	
TITLE:		DRIVE HOUSE FOUNDATION PILE CAP DETAILS	
DESIGNED BY:	CK	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S6.3

5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S6.4.dwg



PLAN NOTES:

 INDICATES PANEL TYPE, SEE PANEL DETAILS.



ISSUED FOR CONSTRUCTION



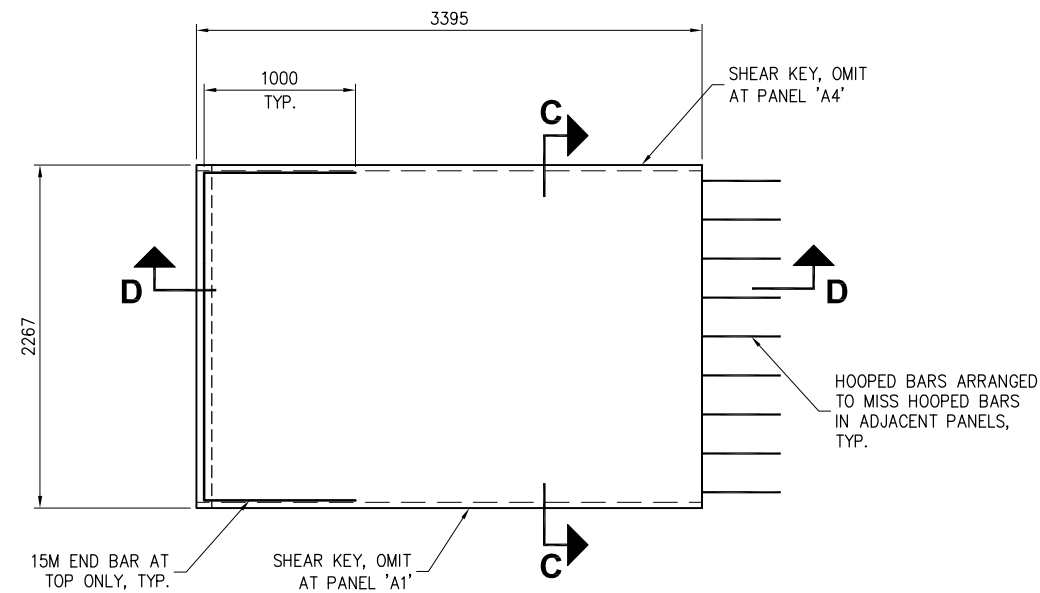
PND ENGINEERS CANADA, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.



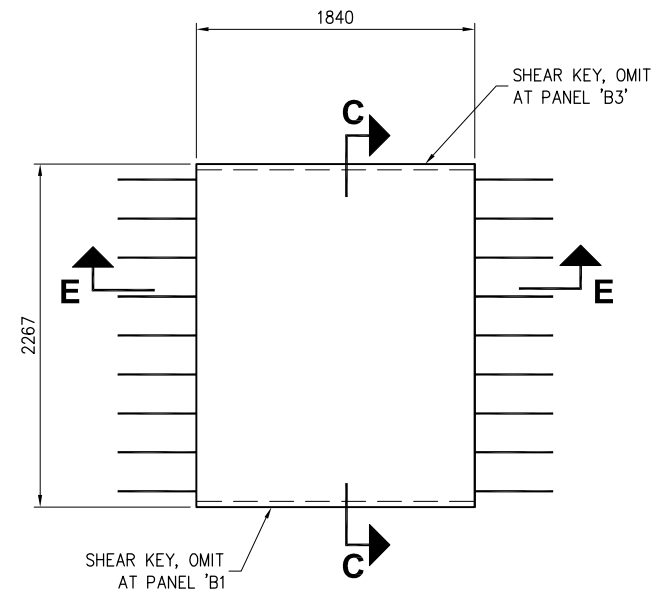
REVISIONS		
REV	DATE	DESCRIPTION
THIS DRAWING INCLUDING THE PRINCIPLE OF DESIGN IS THE INTELLECTUAL PROPERTY OF PND ENGINEERS CANADA, INC. AND IS SUBMITTED WITH THE AGREEMENT THAT IT IS NOT TO BE REPRODUCED, COPIED, OR USED IN ANY MANNER OTHER THAN ITS INTENDED USE, AND FURTHER THAT IT NOT BE USED IN ANY MANNER THAT WOULD BE DETRIMENTAL TO PND. ACCEPTANCE IS CONSTRUED AS AGREEMENT TO THESE PROVISIONS.		

PROJECT:			MILNE INLET ORE DOCK	
TITLE:			DRIVE HOUSE FOUNDATION PANEL LAYOUT	
DESIGNED BY:	CK	PROJECT NO:	144016.01	SHEET NO:
DRAWN BY:	DRH	DATE:	MAY 2014	S6.4
CHECKED BY:	TB	SCALE:	NOTED	

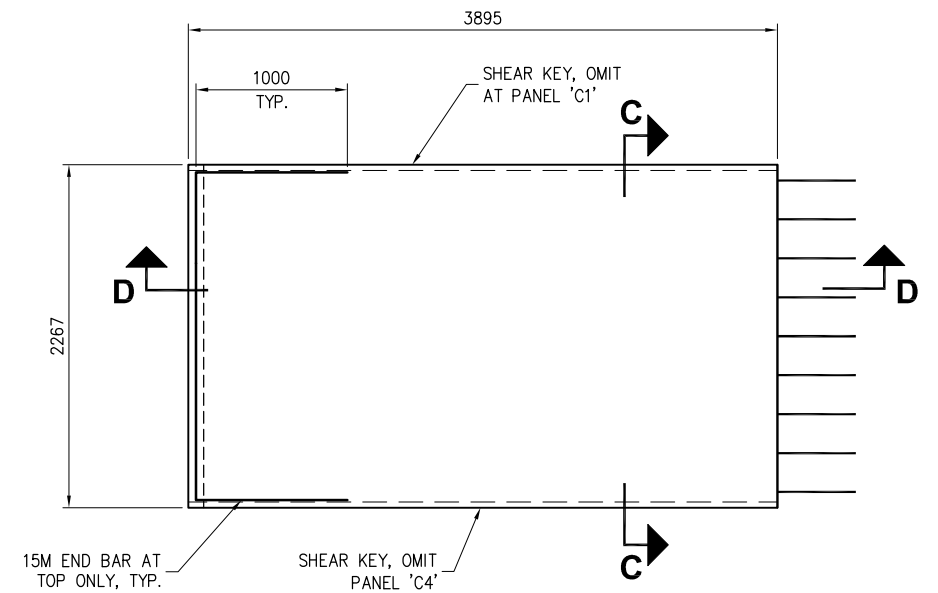
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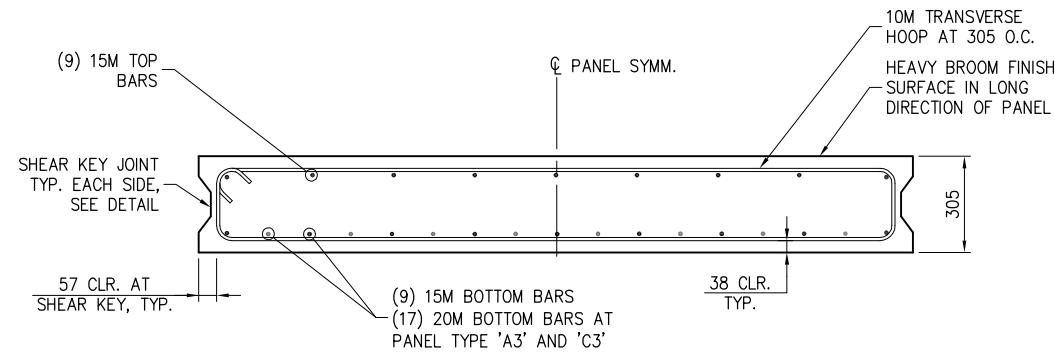
PLAN - PANEL A



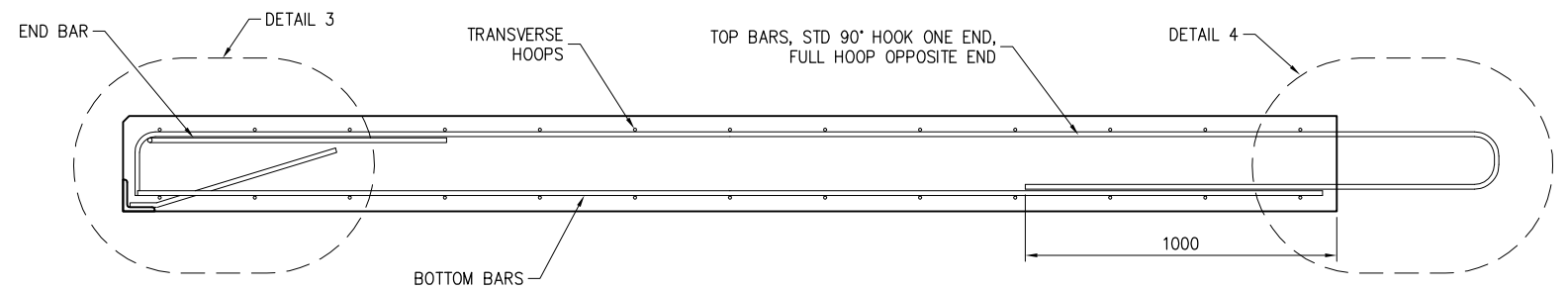
PLAN - PANEL B



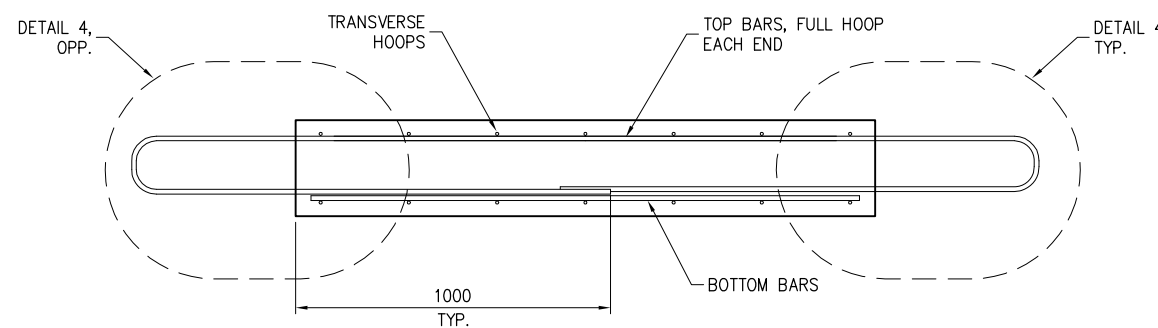
PLAN - PANEL C



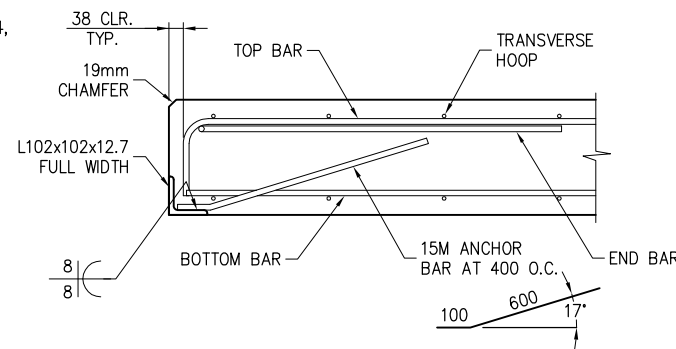
SECTION C-C



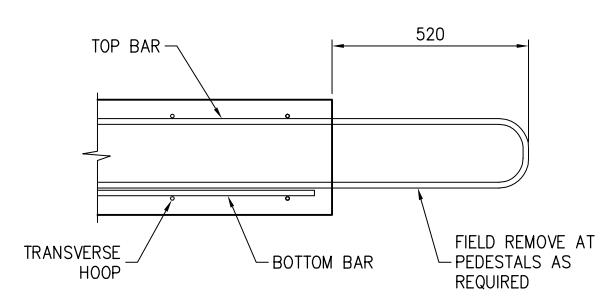
SECTION D-D



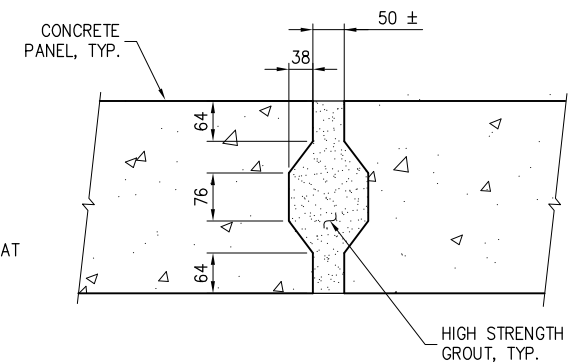
SECTION E-E



DETAIL 3



DETAIL 4

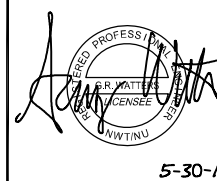


SHEAR KEY

ISSUED FOR CONSTRUCTION



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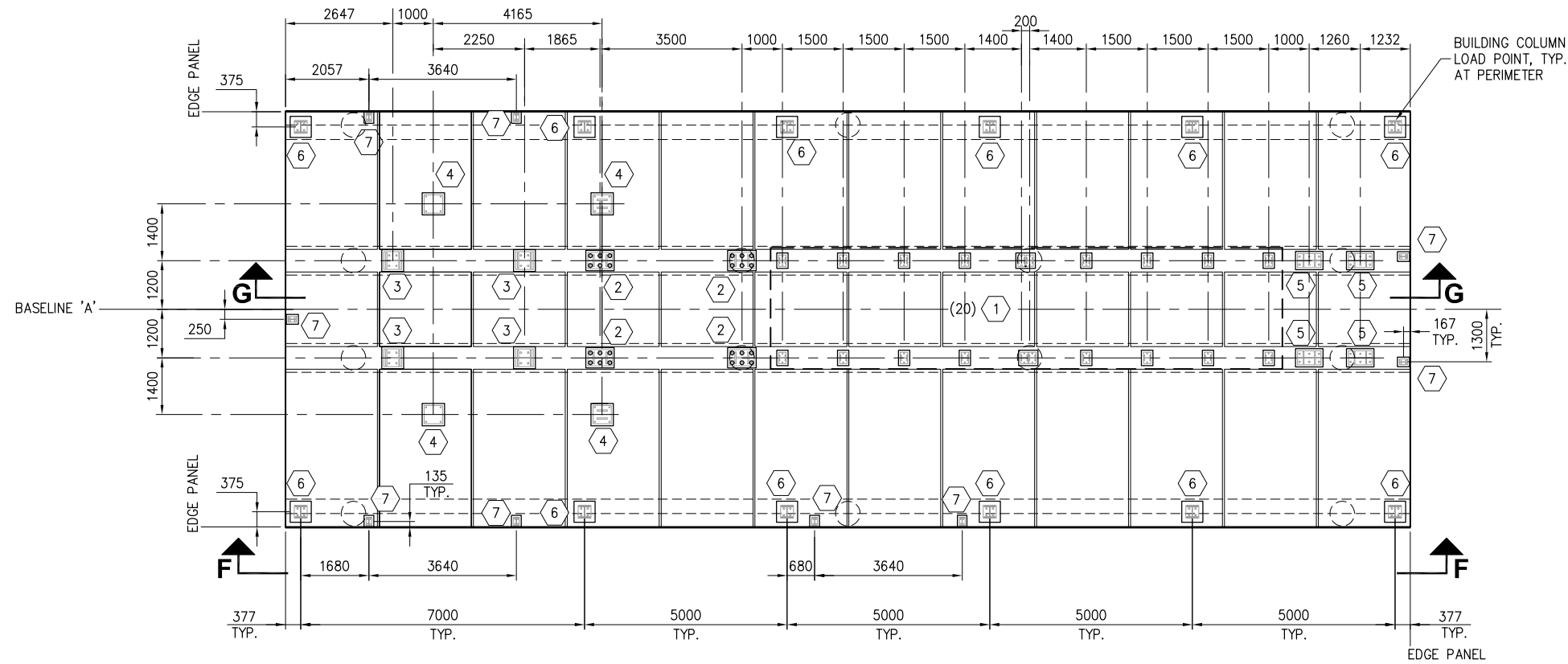
REVISIONS		
REV	DATE	DESCRIPTION
THIS DRAWING INCLUDING THE PRINCIPLE OF DESIGN IS THE INTELLECTUAL PROPERTY OF PND ENGINEERS CANADA, INC. AND IS SUBMITTED WITH THE AGREEMENT THAT IT IS NOT TO BE REPRODUCED, COPIED, OR USED IN ANY MANNER OTHER THAN ITS INTENDED USE, AND FURTHER THAT IT NOT BE USED IN ANY MANNER THAT WOULD BE DETRIMENTAL TO PND. ACCEPTANCE IS CONSTRUED AS AGREEMENT TO THESE PROVISIONS.		

PROJECT: MILNE INLET ORE DOCK			
TITLE: DRIVE HOUSE FOUNDATION PANEL DETAILS			
DESIGNED BY: CK	PROJECT NO: 144016.01	SHEET NO: S6.5	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

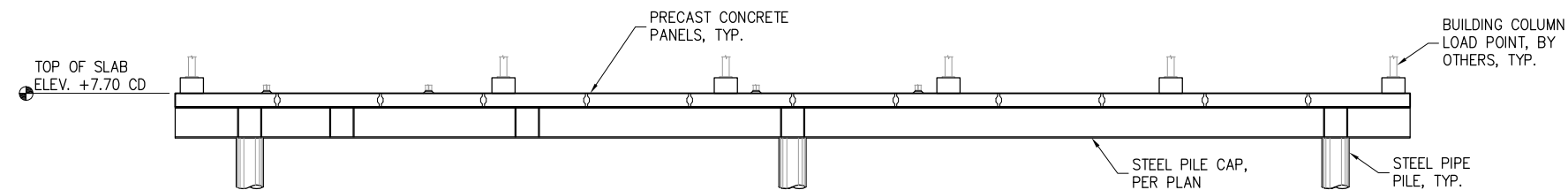
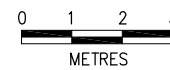
5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S6.6.dwg

PLAN NOTES:

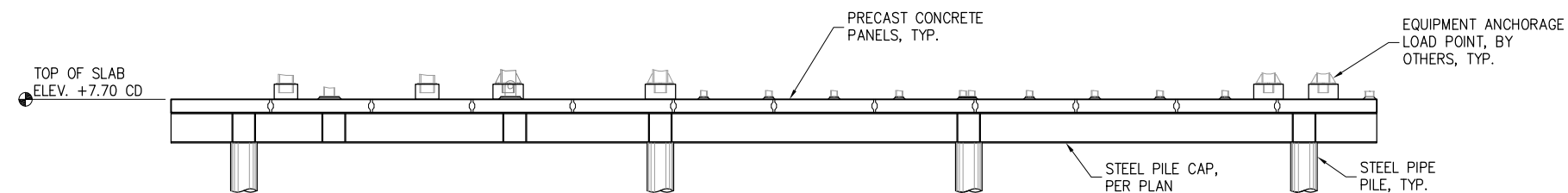
1. (X) INDICATES EQUIPMENT/
BUILDING CONNECTION,
SEE SHEET S7.9
2. DIMENSIONS NOTED ARE TO
CENTRELINE OF BASE PLATE
UNLESS OTHERWISE NOTED.



FOUNDATION LOAD PLAN



SECTION F-F

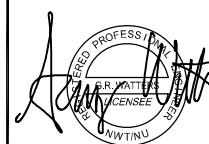


SECTION G-G

ISSUED FOR CONSTRUCTION



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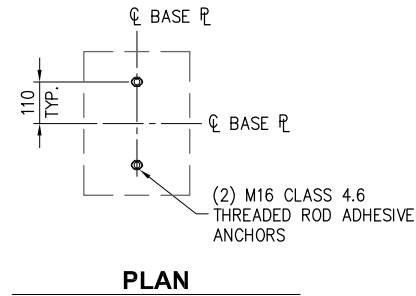
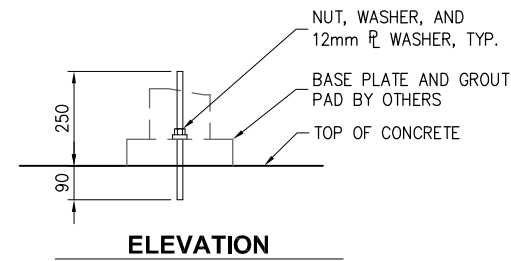


5-30-14

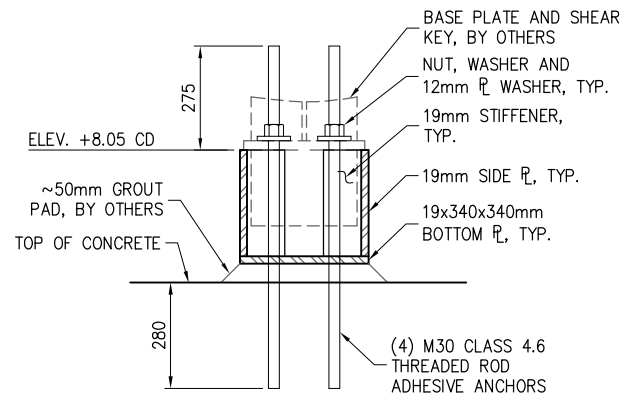
REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT:			MILNE INLET ORE DOCK	
TITLE:			DRIVE HOUSE FOUNDATION LOAD POINTS PLAN AND SECTIONS	
DESIGNED BY:	CK	PROJECT NO:	144016.01	SHEET NO:
DRAWN BY:	DRH	DATE:	MAY 2014	S6.6
CHECKED BY:	TB	SCALE:	NOTED	

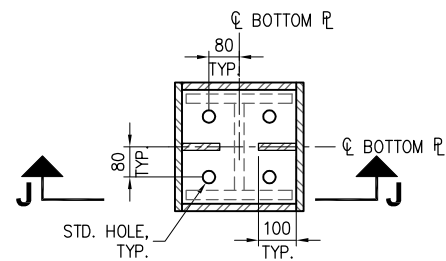
5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S6.7.dwg



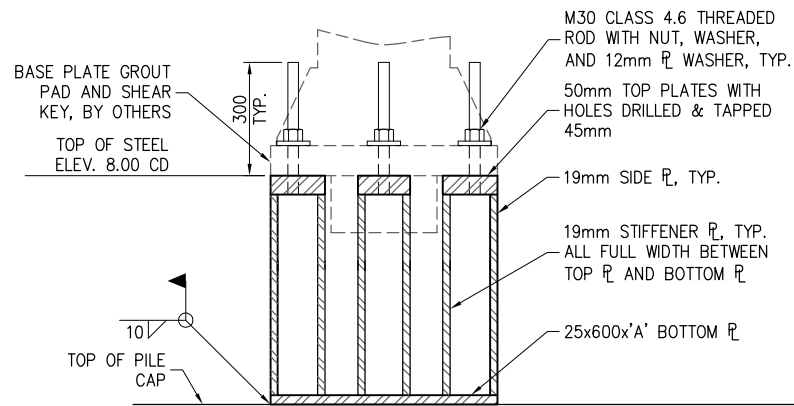
**TYPE 1
BASE PLATE**



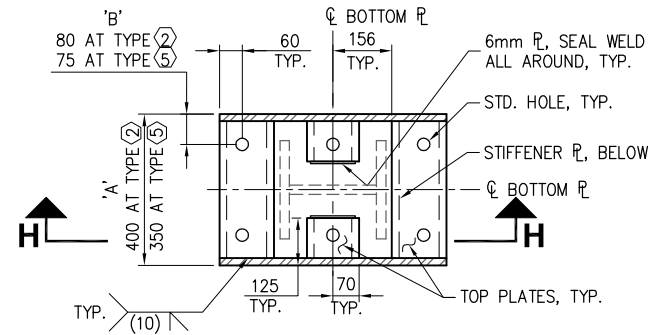
SECTION J-J



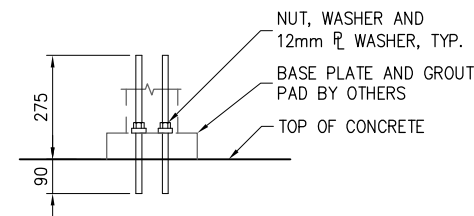
**TYPE 6
PEDESTAL PLAN**



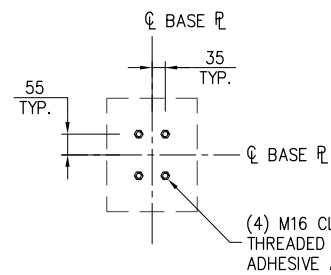
SECTION H-H



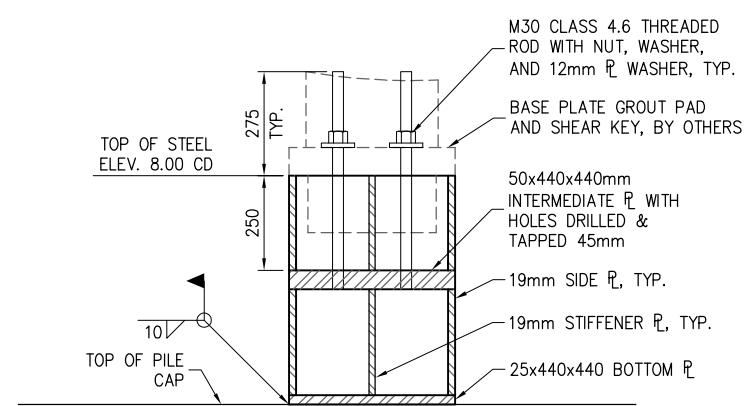
**TYPE ② AND ⑤
PEDESTAL PLAN**



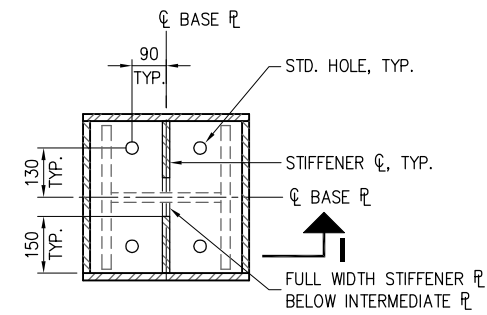
ELEVATION



**TYPE 7
BASE PLATE**

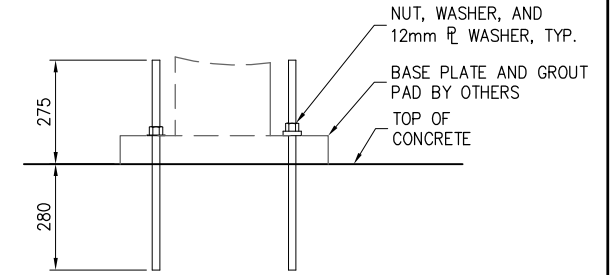


SECTION I-I

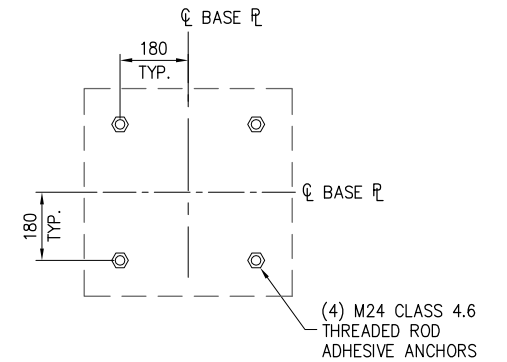


**TYPE 3
PEDESTAL PLAN**

ALL JOINTS WELDED CJP UNLESS OTHERWISE NOTED.



ELEVATION



**TYPE 4
BASE PLATE**

ISSUED FOR CONSTRUCTION

MILNE INLET ORE DOCK

DRIVE HOUSE FOUNDATION
LOAD POINT DETAILS

PROJECT:

TITLE:

DESIGNED BY:	CK	PROJECT NO:	144016.01	SHEET NO:
DRAWN BY:	DRH	DATE:	MAY 2014	
CHECKED BY:	TB	SCALE:	NOTED	

S6.7

PND
ENGINEERS
CANADA INC.

RUSKIN
CONSTRUCTION LTD.

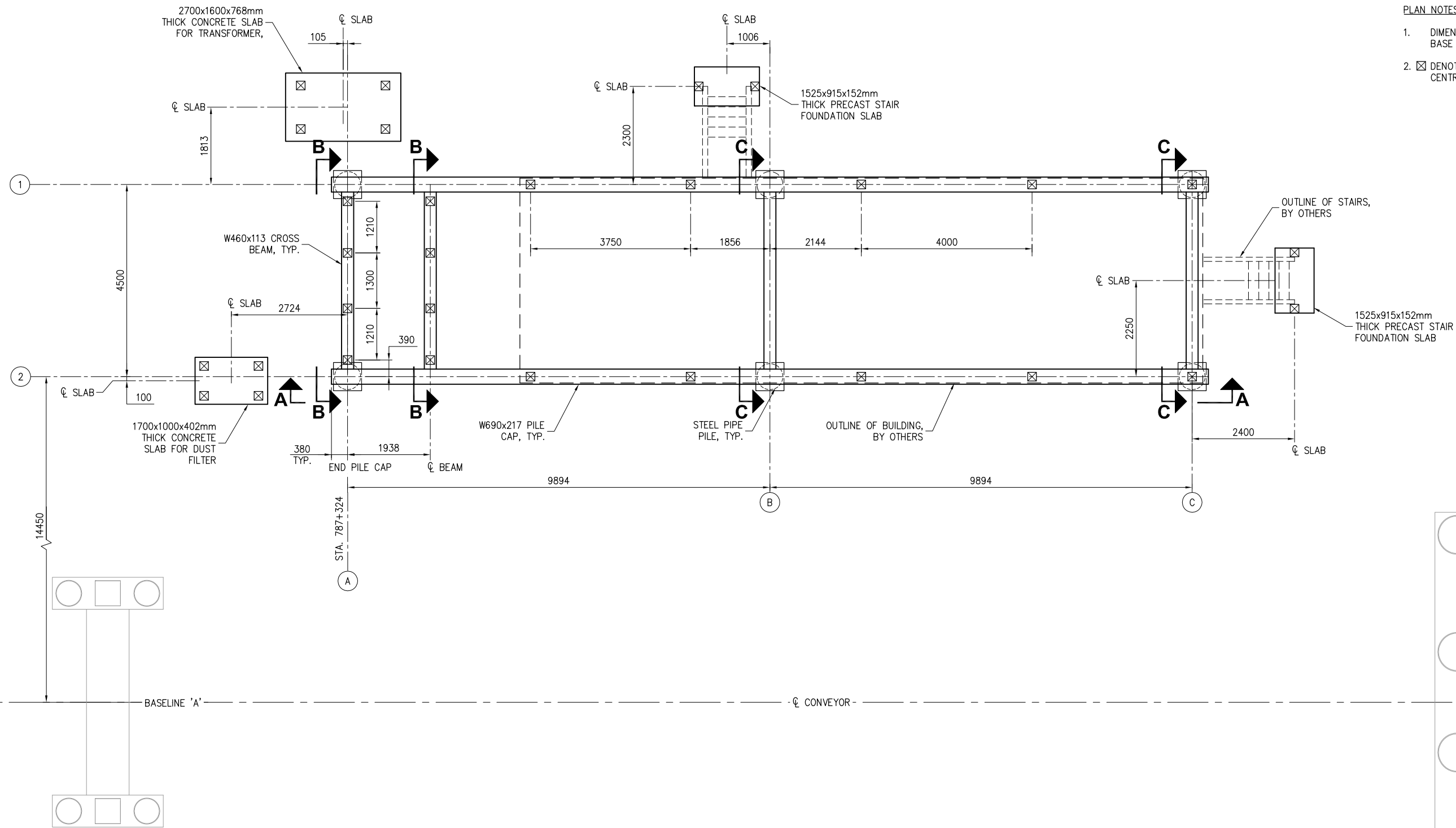
Baffinland
Iron Mines Corporation

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5-30-14

REVISIONS		
REV	DATE	DESCRIPTION
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5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S7.1.dwg



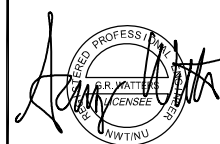
ELECTRICAL HOUSE FOUNDATION PLAN



ISSUED FOR CONSTRUCTION



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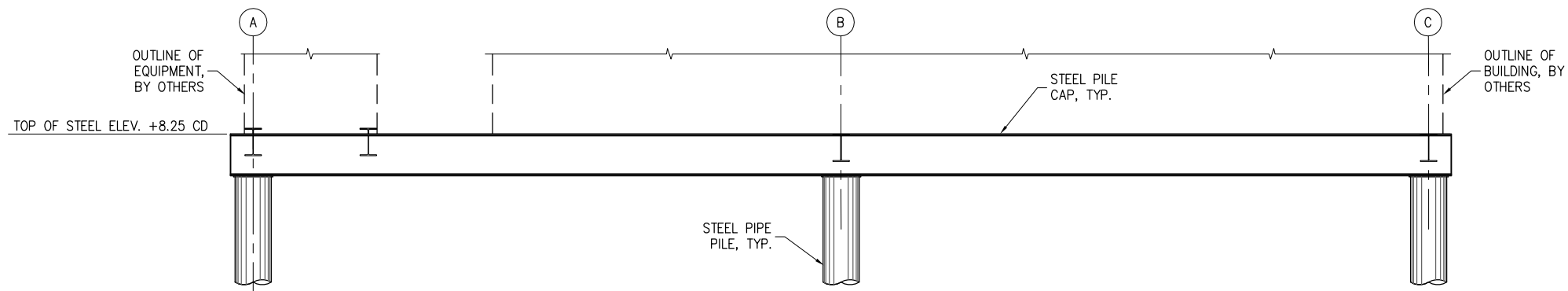


5-30-14

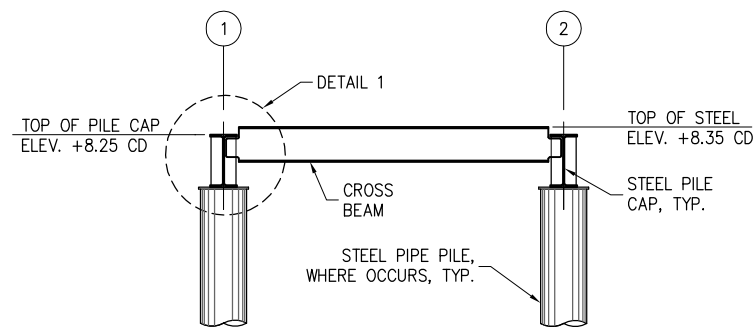
REVISIONS		
REV	DATE	DESCRIPTION
THIS DRAWING INCLUDING THE PRINCIPLE OF DESIGN IS THE INTELLECTUAL PROPERTY OF PND ENGINEERS CANADA, INC. AND IS SUBMITTED WITH THE AGREEMENT THAT IT IS NOT TO BE REPRODUCED, COPIED, OR USED IN ANY MANNER OTHER THAN ITS INTENDED USE, AND FURTHER THAT IT NOT BE USED IN ANY MANNER THAT WOULD BE DETRIMENTAL TO PND. ACCEPTANCE IS CONSTRUED AS AGREEMENT TO THESE PROVISIONS.		

PROJECT: MILNE INLET ORE DOCK			
TITLE: ELECTRICAL HOUSE FOUNDATION PLAN			
DESIGNED BY: JR	PROJECT NO: 144016.01	SHEET NO: S7.1	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

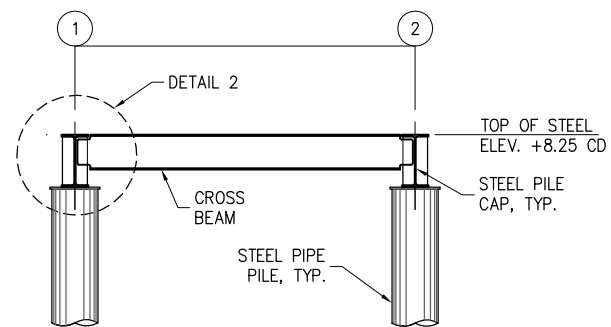
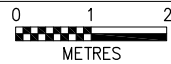
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SECTION A-A



SECTION B-B



SECTION C-C



ISSUED FOR CONSTRUCTION



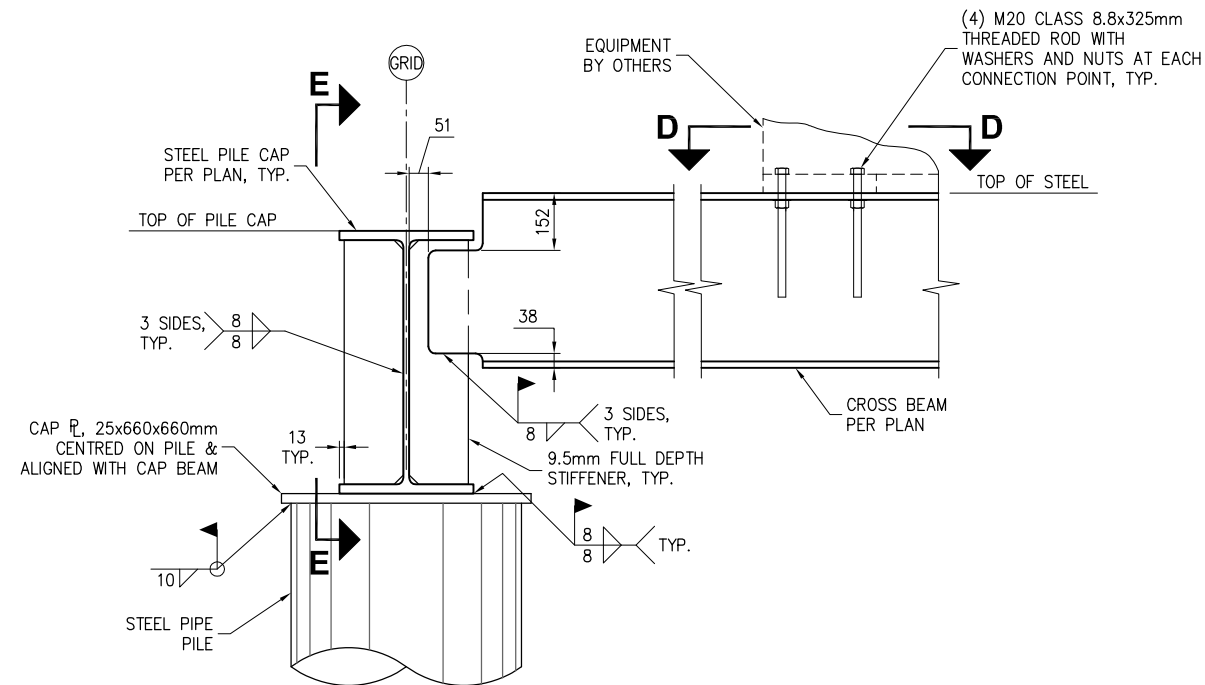
PND ENGINEERS CANADA, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

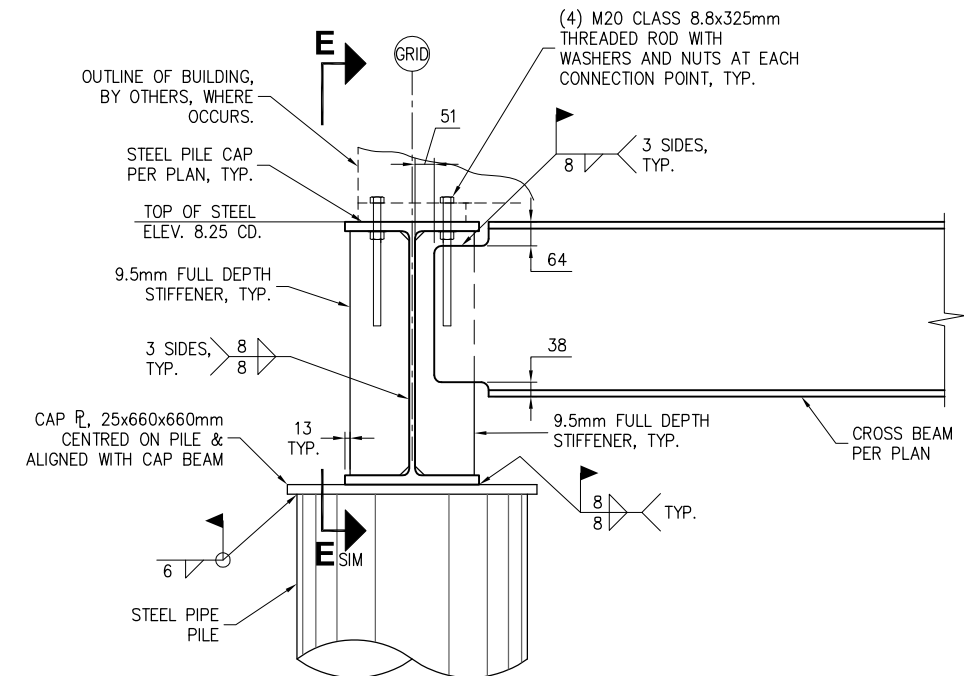
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PROJECT: MILNE INLET ORE DOCK			
TITLE: ELECTRICAL HOUSE FOUNDATION SECTIONS			
DESIGNED BY: JR	PROJECT NO: 144016.01	SHEET NO: S7.2	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

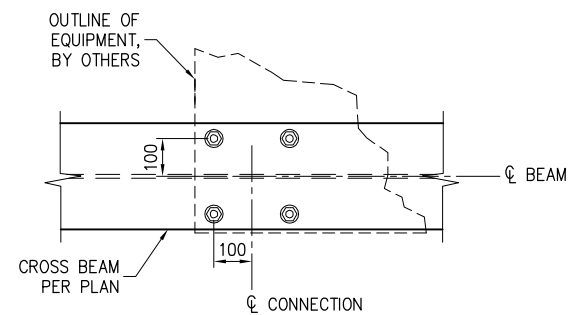
5/30/14 Drawings\2014\144016.01 - Milne Inlet Ore Dock\Design Drawings\Issued For Construction\144016.01-S7.3.dwg



DETAIL 1

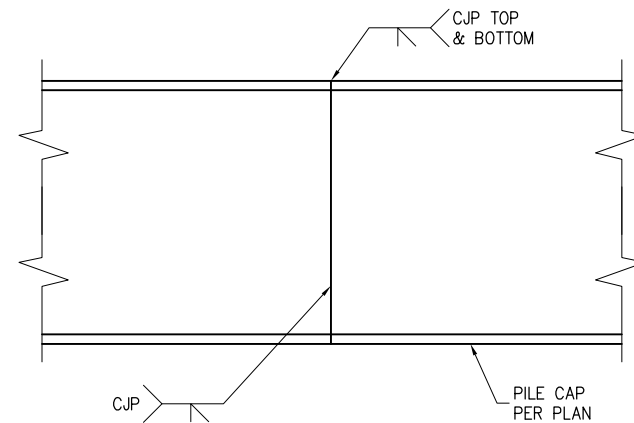


DETAIL 2

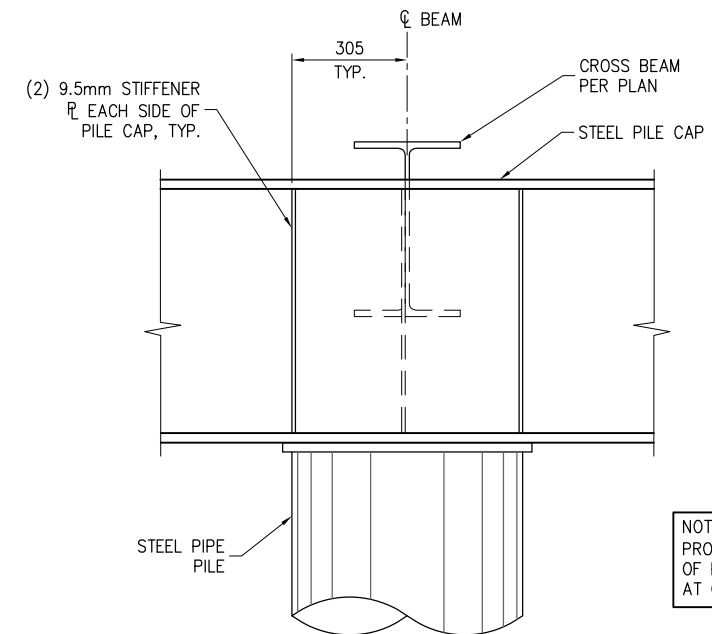


SECTION D-D

NOTE: SEE PLAN FOR CONNECTION LOCATION



PILE CAP SPLICE

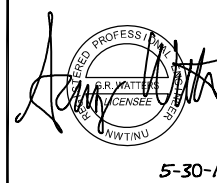


SECTION E-E

ISSUED FOR CONSTRUCTION



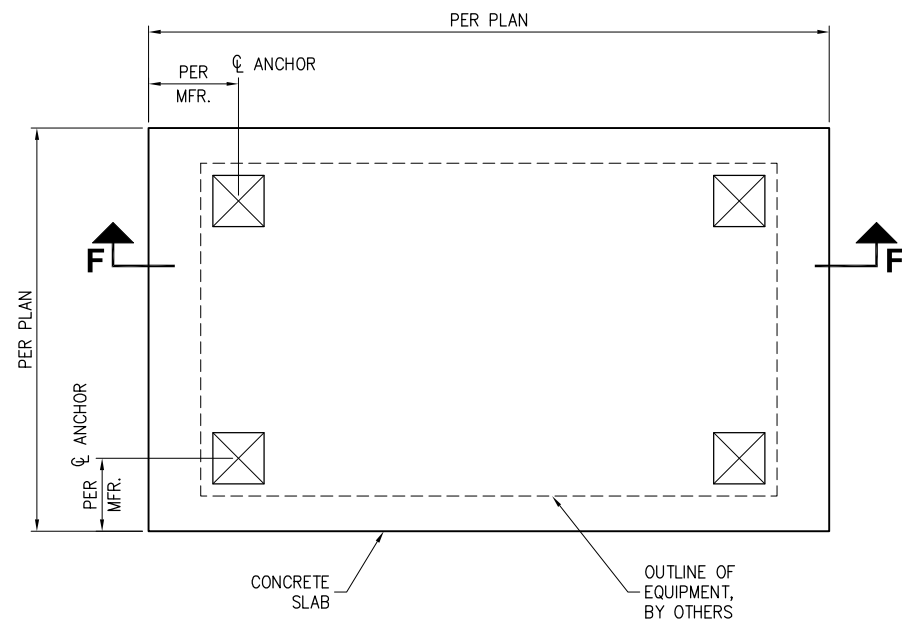
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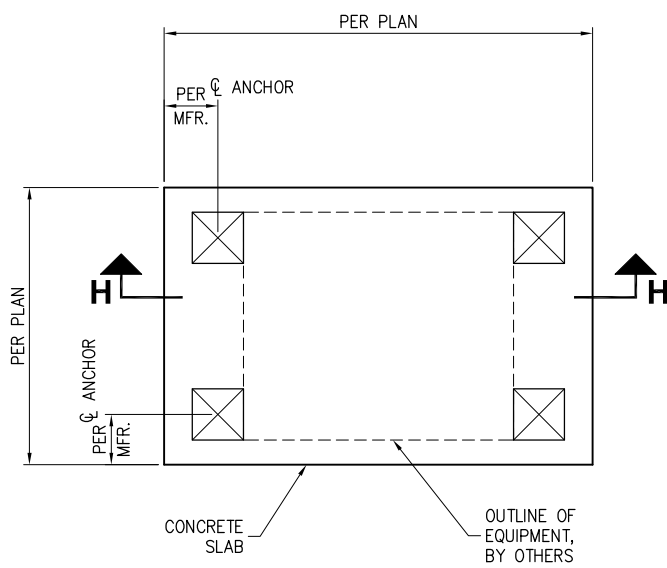
REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT: MILNE INLET ORE DOCK			
TITLE: ELECTRICAL HOUSE FOUNDATION DETAILS			
DESIGNED BY: JR	PROJECT NO: 144016.01	SHEET NO: S7.3	
DRAWN BY: DRH	DATE: MAY 2014		
CHECKED BY: TB	SCALE: NOTED		

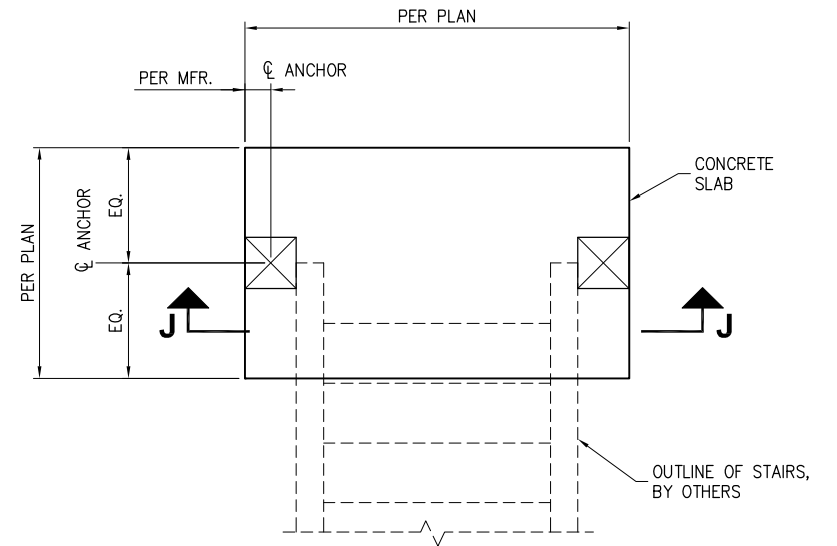
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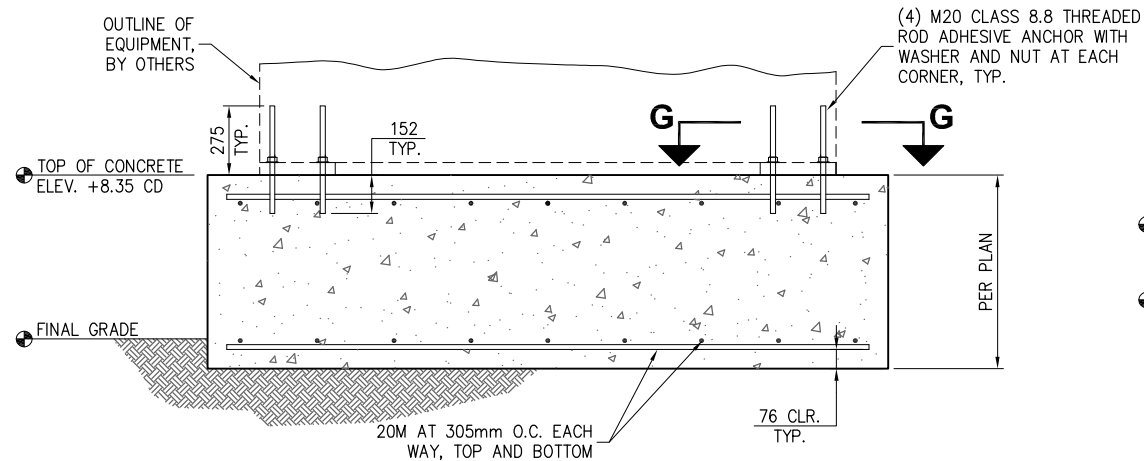
TRANSFORMER SLAB PLAN



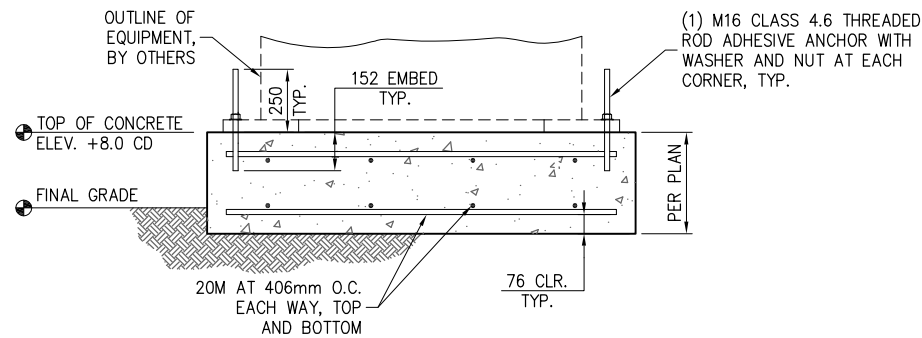
DUST FILTER SLAB PLAN



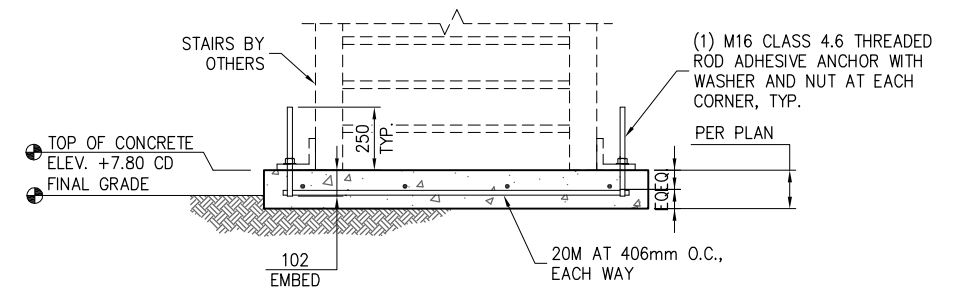
STAIR SLAB PLAN



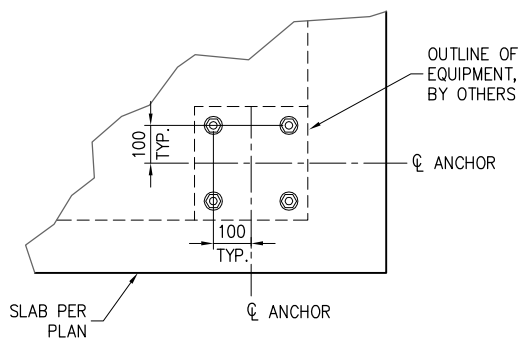
SECTION F-F



SECTION H-H



SECTION J-J



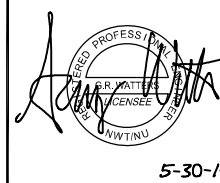
SECTION G-G

NOTE:
MINOR DIFFERENTIAL MOVEMENT
BETWEEN SLABS AND ELECTRICAL
HOUSE MAY OCCUR.

ISSUED FOR CONSTRUCTION



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REVISIONS		
REV	DATE	DESCRIPTION
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PROJECT:			
MILNE INLET ORE DOCK			
TITLE:			
ELECTRICAL HOUSE FOUNDATION DETAILS			
DESIGNED BY:	JR	PROJECT NO:	144016.01
DRAWN BY:	DRH	DATE:	MAY 2014
CHECKED BY:	TB	SCALE:	NOTED
SHEET NO:			S7.4