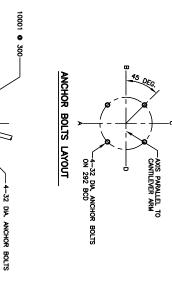
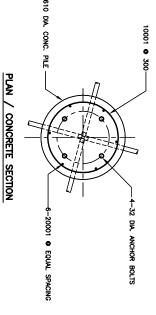
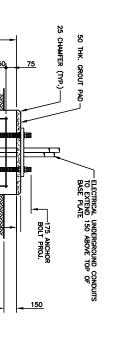
FOUNDATION DETAIL N.T.S.

ELEVATION



610 DIA. CONC. PILE 4-32 DIA. ANCHOR BOLTS 6-20001 @ EQUAL SPACING





GENERAL NOTES:
CONCRETE FOUNDATION PILES

1. PROR TO DRILLING PILES, CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING
1. SURFACE OR SUBSURFACE UTILITIES.

DESCRIPTION

SIZE

MATERIAL

SEE DETAIL BELOW REMARKS

NE NE

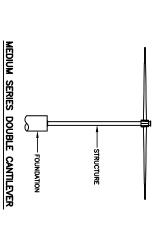
BILL OF

MISCELLANEOUS METAL

- DRILL PILES TO INDICATED DEPTHS ENSURING THAT SHAFTS ARE DRY AND FREE OF DEBRIS UNTIL CONCRETE IS PLACED.

- i) CSA A23.1 EXPOSURE CLASS S-1
 ii) COMPRESSIVE STRENGTH @ 28 DAYS = 35 MPa
 iii) AIR CONTENT: CATEGORY 1
- NOTIFY THE OWNER AND TESTING FIRM A MINIMUM OF TWENTY FOUR HOURS PRIOR TO COMMENCEMENT TO CONCRETE OPERATIONS.
- 5. REFER TO SPECIFICATIONS FOR CONCRETE TESTING REQUIREMENTS.

- REINFORCING STEEL TO BE GRADE 400W, DEFORMED BILLET STEEL BARS FOR CONCRETE REINFORCEMENT CONFORMING TO CSA ${\tt G30.18}.$
- 7. ANCHOR BOLTS, NUTS AND WASHERS WILL BE SUPPLIED BY THE DEPARTMENT AND SET BY THE CONTRACTOR.
- THE ANCHOR BOLTS SHALL BE ALIGNED WITH A TOP SETTING TEMPLATE MATCHING THE BOLT HOLE LAYOUT. THE SETTING TEMPLATE SHALL BE HELD IN PLACE BY THE NUTS SUPPLIED WITH THE ANCHOR BOLTS, PLACEMENT OF ANCHOR BOLTS WITHOUT THE SETTING TEMPLATE WILL NOT BE PERMITTED.
- TOP SETTING TEMPLATE
- TEMPORARY STEEL TEMPLATE LOANED TO THE CONTRACTOR BY THE DEPARTMENT.
- AFTER COMPLETION OF CONCRETE PILE FOUNDATION WORKS, THE CONTRACTOR SHALL CLEAN THE TEMPLATE BY SANDBLASTING AND RETURN IT TO THE DEPARTMENT.
- IF THE TRUPLATE IS DAMAGED DURING CONSTRUCTION DUE TO NEGLIGENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A NEW 10 mm THICK STEEL TEMPLATE TO THE DEPARTMENT AT HIS OWN EXPENSE.
- 9. SOILS INFORMATION AT SITE IS AVAILABLE FROM THE OWNER.



75 TYP. COVER

6-20001 @ EQUAL SPACING

—50 DIA, PLASTIC PIPE MAX. BEND 500 RADIUS 4—REQUIRED (MAY BE GROUPED 2x2)

WITH SONOTUBE

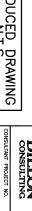
610 DIA. CONC. PILE

STRUCTURE FOR MEDIUM SERIES FOUNDATION TYPE F2

Certificate of Authorization Dillon Consulting Limited (MB) No. 1789 Date: 04/03/2012 APEGN

REDUCED DRAWING N.T.S.







CHECKED: SSR

NO. KEQU.	Ī				t				-
1 4	ANCHO	ANCHOR BOLT			32 (32 (1 1/4") DIA. × 1650	G40.21-M-300W GALV. FULL LENGTH	SEE DETAIL BELOW	
2 8	HEAVY	HEAVY HEX NUT			32	32 (1 1/4") DIA.	ASTM A194 GRADE 2H		$\overline{}$
4 0	LOCK :	LOCK HEX NUT			32 F	32 (1 1/4") DIA.	ASTM A194 GRADE 2H		-
									-
						2		150	
					+	600 - THREAD (7 UNC)			
NOTES:					1	ANCHOR BOL	ANCHOR BOLT ASSEMBLY MK. AB2	<u> </u>	
1. ANCHOR	BOLTS :	SHALL BE	ANCHOR BOLTS SHALL BE SOLID ROUNDS G40.21-M-300W.)S G40.21-N	⁄-300W.	(Slock	CODE NO./339)		
2. ALL PAR IN ACCO OF 610	RTS OF A	NCHOR BO	LT ASSEMBLY 1 A123-09 (I	PLUS LATEST	HOT DIP	ALL PARTS OF ANCHOR BOLT ASSEMBLY SHALL BE HOT DIP CALVANIZED (FULL LENGTH) IN ACCORDANCE WITH ASTM A123-09 (PLUS LATEST REVISIONS) WITH NET RETENTION OF 610 g/m²			
3. ALL NU 4. ALL NU PRIOR 1	IS SHALL	BE TAPPE	ALL NUTS SHALL BE TAPPED OVERSIZE PRIOR TO CALVANZING. ALL NUTS AND WASHERS SHALL BE ASSEMBLED BY THE SUPPLIER PRIOR TO DELIVERY.	PRIOR TO G	THE SU	ier.			
BILL (유 R	EINFC	REINFORCING	STEEL					1
NO.	SIZE	QTY. REQ'D.	LENGTH (mm)	MASS (kg)	ջ뜶		DENDING DIAGRAM		1
	20M		2850	1 1	_	200			
10001	10M	12	1715	16.46	3 ×	<u> </u>)		
					4				
					O		*50 DIA		
					6		1001 1001		
					7				
					8				
TOTAL MASS OF REINFORCING STEEL	OF REIN	NFORCING		= 57.50 kg	9				
TOTAL VOLUME OF CONC. C.I.P. PILES	ME OF C	ONC. C.I.F		= 0.880 m ³	5				
					_				

'														
CONSULTING														
3310	_	1	<u> </u>	Z.										
04/03/2	R E E	STAMPE	SE OF	. L	ш		Н							
√"°		DBY W		DESCRIPTION									REVISIONS	
CHECKED:SSR	BY:CDW	Traffic Engineering	Infrastructure and Transportation				ANCHOR BOLTS, CONC. PIL	FOUNDATIO		MEDIL		STRIC	PEDESTRIAN	
SCALE: COMPONENT No.	DIRECTOR DATE TRAFFIC ENGINEERING			BY:			LE, & PILE REINFORCEMENT	N TYPE F2	יי טבוארט - טבוארט	I SEDIES		TIRES	CORRIDOR	
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