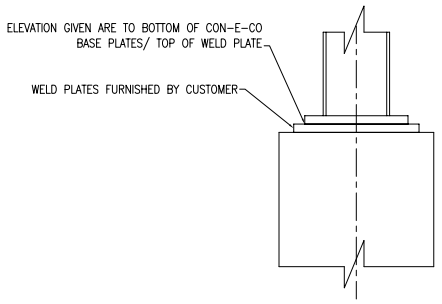


TYPICAL PIER (WELD PLATES) DETAIL

D0782 INTERNATIONAL BUILDING CODE AND ASCE 7

WIND INFORMATION

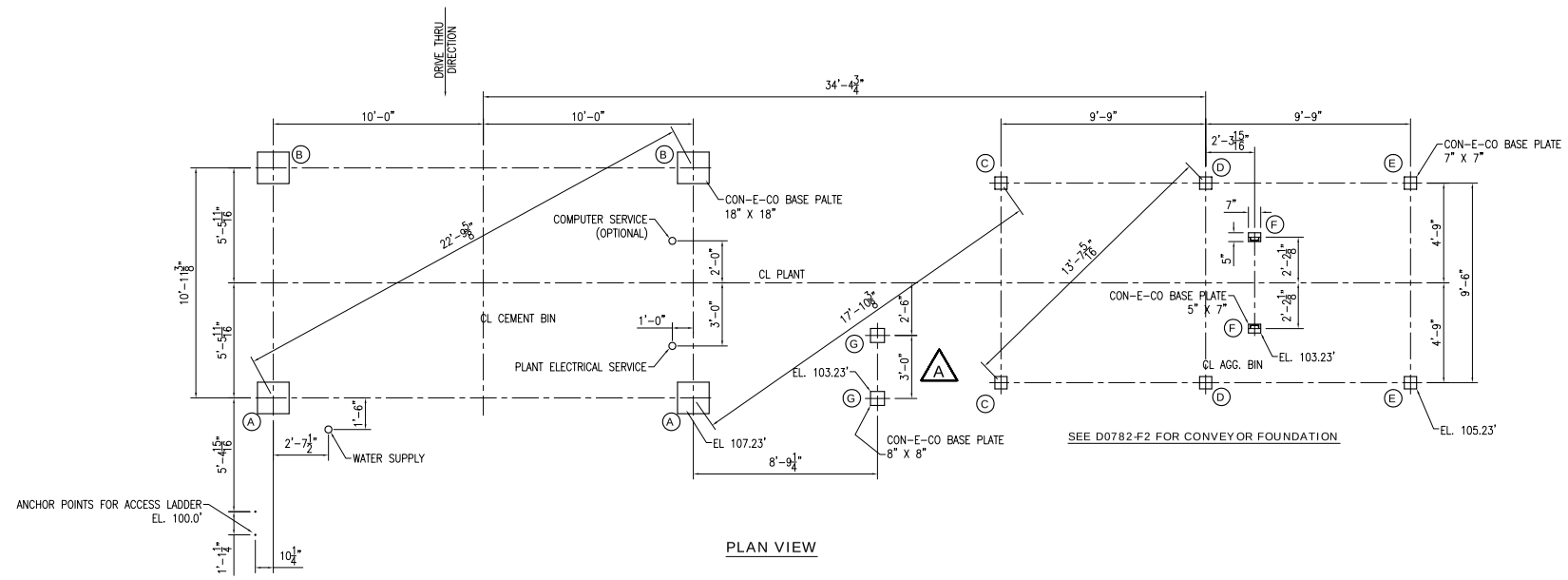
Wind Importance Factor	1.0
Basic Wind Speed (3 sec gust)	130
Exposure Category	C

	GRAVITY LOADS		WIND LOADS				
			ACROSS THE PLANT		ALONG THE PLANT		
COLUMN	DEAD "D"	UNBALANCED AND LIVE "L"	VERT WIND	HORIZ WIND	VERT WIND	HORIZ WIND	
A	23.1	210.6	141.0	44.9	43.2	15.2	CEMENT STORAGE
B	20.1	200.6	141.0	44.9	43.2	15.2	CEMENT STORAGE
C	5.9	58.7	18.4	17.9	7.2	9.3	FRONT AGG BIN
D	8.8	88.0	19.9	0.0	0.0	9.3	MIDDLE AGG BIN
E	5.9	58.7	18.4	17.9	7.2	0	REAR AGG BIN
F	1.0	1.1	0.8	0.9	0.0	0.1	MIXER CHARGING CONVEYOR
G	0.5	5.1	10.8	6.5	0.0	6.5	FILL PIPE SUPPORT

THE VALUES SHOWN ABOVE ARE IN KIPS, 1000 LB FORCE

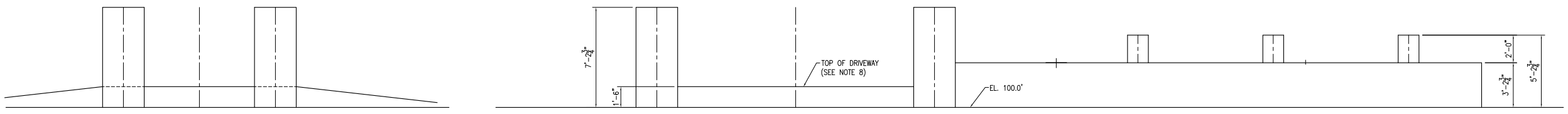
"ALONG THE PLANT" AND "ACROSS THE PLANT" REFER TO THE "X" OR "Z" DIRECTION (ALONG THE LENGTH OF THE MIXER CHARGING CONVEYOR OR ACROSS THE MIXER CHARGING CONVEYOR)

NOTES:
(1) ALL LOADS SHOWN ARE IN KIPS(k), 1 KIP(k) = 1000 LBS.
(2) ALL LOADS OCCUR AT THE BOTTOM OF BASE PLATES, TOP OF FOUNDATION.
(3) WIND LOADS ARE BASED ON INTERNATIONAL BUILDING CODE (2003), 130 MPH, EXPOSURE 'C'.
(4) CONSULT WITH A REPUTABLE PROFESSIONAL ENGINEER FOR THE DESIGN OF THE FOUNDATION.
(5) THE CONCRETE EQUIPMENT CO. DOES NOT ASSUME RESPONSIBILITY FOR FOUNDATION DESIGN.
(6) IMPORTANT: IF INSTALLING PLANT IN A PERMANENT LOCATION IT MAY BE DESIRABLE TO DESIGN FOUNDATION FOR FUTURE ADD ON STORAGE MODULES. CONSULT FACTORY FOR REVISED FOUNDATION LOADINGS.
(7) EXTEND FOOTINGS BELOW FROST LINE.
(8) BE SURE TO CHECK TRUCK HEIGHT BEFORE POURING DRIVEWAY AT ELEVATION 101.5'. DRIP PAN GIVES 13'-6" CLEARANCE TO LOWEST POINT (STEEL) AND 12'-2" CLEARANCE TO BOTTOM OF DISCHARGE SHROUD IN LOWEST POSITION WITH DRIVEWAY AT EL. 101.5'.
(9) IT MAY BE DESIRABLE TO SLOPE MIXER TRUCK RAMP 18" PER TRUCK LENGTH FOR EASIER MIXER TRUCK CHARGING.
(10) VERIFY THAT ALL ELECTRICAL, WATER, COMPUTER, ETC. SERVICES ARE ON CORRECT SIDE.
(11) BASE PLATE ANCHOR HOLES SIZE, MAY BE OVERSIZED FOR ANCHOR BOLT. HEAVY PLATE WASHERS BY OTHERS.
(12) THIS PLANT IS NOT DESIGNED FOR EATHQUAKE LOADS.



SEE D0782-F2 FOR CONVEYOR FOUNDATION

PLAN VIEW



SIDE ELEVATION

				E		SCALE 1/4"=1'-0"	TITLE PLANT FOUNDATION LAYOUT	JOB NO.
				D		DATE 7/16/2008	CUSTOMER STANDARD MATERIALS	
				C		DRAWN BLS CHECKED DLH	LOCATION MANDEVILLE, LA	CON-E-CO. An Oshkosh Corporation Company — concrete equipment company, 237 N. 18th St., Blair, NE 68008, phone 402-426-4811, website con-e-co.com
				B		WEIGHT CHECKED GLA	DO NOT SCALE DRAWING	
		8-5-08	BLS	A	MOVED FILL PIPES. DELETE STAIRS		THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO CON-E-CO. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED WITHOUT PRIOR WRITTEN PERMISSION OF CON-E-CO.	
NEXT ASSY.	ECO NO.	DATE	APPR.	NO.	REVISION			

ITEM CODE | COPY | PART NO. | DWG.NO D0782--F1 | SIZE D | REV. A | SHTS.