

GENERAL NOTES:

- OWNER IS DEFINED AS THE LAKE COUNTY DIVISION OF TRANSPORTATION.
- BRIDGE SHALL BE DESIGNED FOR A MINIMUM 12,000 LB. (5) TON VEHICLE LOAD, WHICH INCLUDES IMPACT LOADING.
- BRIDGE CONTRACTOR WILL PERFORM ALL WORK FROM DECK LEVEL. ALL FOOT TRAFFIC WILL BE CONTAINED WITHIN FIVE FEET FROM BOARDWALK PATH.

CONSTRUCTION NOTES:

- ALL BRIDGE MATERIALS AND CONSTRUCTION SHALL BE MARINE GRADE.

TIMBER PILES: UNLESS OTHERWISE SPECIFIED,

- TIMBER PILES SHALL BE SOUTHERN YELLOW PINE, CONFORMING TO ASTM STANDARD D-25 (LATEST EDITION) FOR QUALITY. SPECIFICATION FOR SIZE SHALL BE 1" TAPER IN 10 LINEAR FEET.
- ALL PILING SHALL BE PRESSURE IMPREGNATED (TO A MINIMUM OF .30 POUND PER CUBIC FOOT NET RETENTION OF CCA), AWPA STANDARDS C1-90, C3-90, C14-90 AND C18-90 WHERE APPLICABLE.
- HAND AUGURING AND SETTING ARE NOT APPROVED PILE INSTALLATION METHODS.
- PILES ARE REQUIRED TO BE DRIVEN TO REFUSAL.
- UPON ENCOUNTERING DENSE SOIL OR OTHER SIMILAR SOIL CONDITIONS THAT PREVENT DRIVING PILING, MECHANICAL AUGURING MAY BE UTILIZED TO ASSIST PILE DRIVING EQUIPMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE USE OF THE AUGURING METHOD TO DRIVE PILES. CONTRACTOR TO REFER TO GEOTECHNICAL INVESTIGATION REPORT TO ASSIST IN DETERMINING WHETHER THE AUGURING METHOD MAY BE REQUIRED.
- IF PROPER BEARING CAPACITY IS NOT MET AT PILE DEPTH AS SHOWN ON THE PLANS, PILING SHALL BE SPICED AND DRIVEN UNTIL PROPER BEARING IS ACHIEVED. ALL STANDARD SPLICES MUST PROVIDE ENGINEERS CALCULATIONS SEALED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF ILLINOIS. CONTRACTOR TO REFER TO GEOTECHNICAL INVESTIGATION REPORT, TO ASSIST IN DETERMINING THE PROPER DEPTH OF PILING. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DRIVING AND INSTALLING PILES DEEPER THAN MAY BE SHOWN ON THE DRAWINGS.

SAWN LUMBER: UNLESS OTHERWISE SPECIFIED,

- ALL SAWN LUMBER SHALL BE SOUTHERN YELLOW PINE AND GRADED UNDER THE SOUTHERN PINE INSPECTION BUREAU (SPIB) RULES.
- ALL SAWN LUMBER SHALL BE GRADE No. 2 OR BETTER, S4S (SURFACE FOUR SIDES).
- ALL SAWN LUMBER SHALL BE PRESSURE TREATED TO A MINIMUM .50 POUNDS PER CUBIC FOOT NET RETENTION OF CCA (TYPE C), IN ACCORDANCE WITH THE AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA) STANDARD P5-90 AND A2-88. ALL LUMBER AND TIMBERS SHALL BE PRESSURE IMPREGNATED UNDER AWPA STANDARDS C1-90, C2-90, C14-90 AND C18-90 WHERE APPLICABLE.
- WHERE LUMBER IS SPECIFIED K.D.A.T., K.D.A.T. SHALL BE DEFINED AS KILN DRIED AFTER TREATMENT TO A 19% OR LESS MOISTURE CONTENT.
- SPLICES OF STRUCTURAL MEMBERS MAY ONLY BE MADE OVER SUPPORTS. SPLICES BETWEEN SUPPORTS ARE PROHIBITED UNLESS OTHERWISE APPROVED BY THE ENGINEER. USE ONLY LONGEST LENGTHS OF MATERIALS AND JOIN ONLY WHERE SOLID FASTENING CAN BE MADE.
- ALL OUTSIDE STRINGER SPLICES SHALL BE MADE WITH A 2"x12"x18" SCAB, WITH (2) 16d NAILS EACH END SIDE OF JOINT.
- EXPOSED CORNERS SHALL BE REVELED/ROUTED AND SANDED TO REMOVE SPLINTERS/SHARP EDGES.

HARDWARE: UNLESS OTHERWISE SPECIFIED,

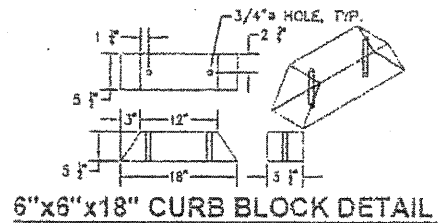
- ALL HARDWARE SHALL BE ASTM A307 STEEL. ALL ASSOCIATED WASHERS AND NUTS, HOT DIPPED GALVANIZED PER A.A.S.H.T.O. SPECIFICATION H-232. AFTER FABRICATION, ALL STEEL SHAPES SHALL BE HOT DIPPED GALVANIZED PER A.A.S.H.T.O. SPECIFICATION M-111. ALL WELDING TO BE PER A.W.S. SPECIFICATIONS.

DECKING

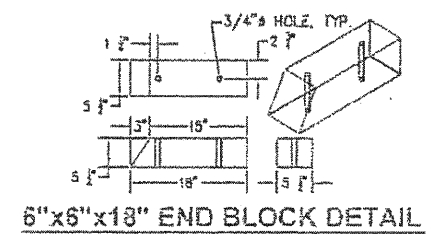
- DECKING SHALL BE BUTTED TIGHTLY BOARD TO BOARD TO ALLOW FOR BOARD SHRINKAGE AFTER DECK CONSTRUCTION.
- DECKING TO BE ATTACHED WITH 305 STAINLESS STEEL OR BETTER SCREW RECESSED 1/2" BELOW DECK SURFACE.
- NO SPLICES SHALL BE ALLOWED FOR BRIDGE DECKING.

GEOTEXTIL

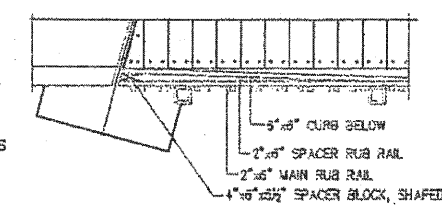
- ABUTMENTS WILL USE MIRAFIL 40NC NEEDLE PUNCHED, NON-WOVEN GEOTEXTIL OR EQUAL.



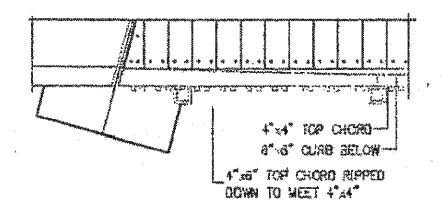
6"x6"x18" CURB BLOCK DETAIL



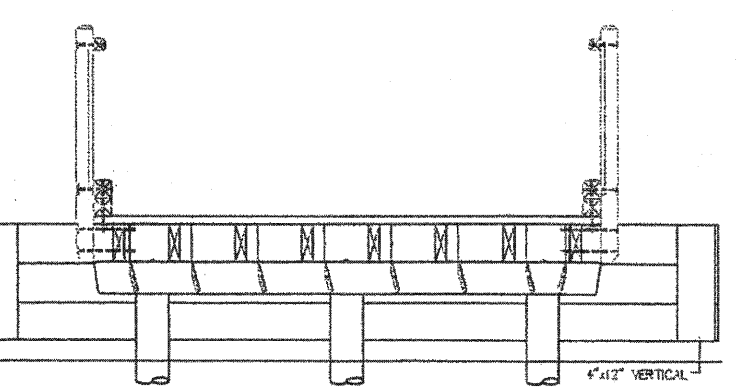
6"x6"x18" END BLOCK DETAIL



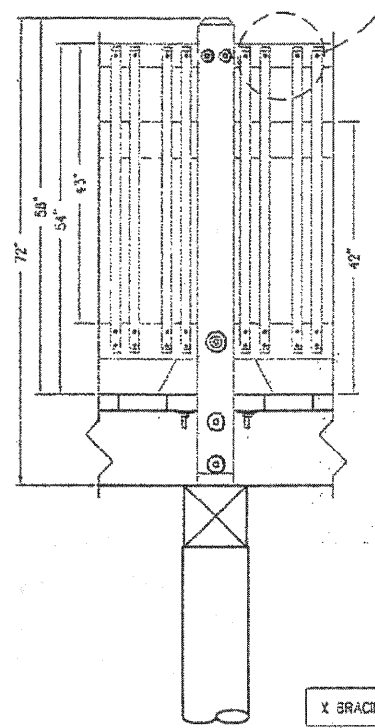
TOP CHORD DETAIL 5



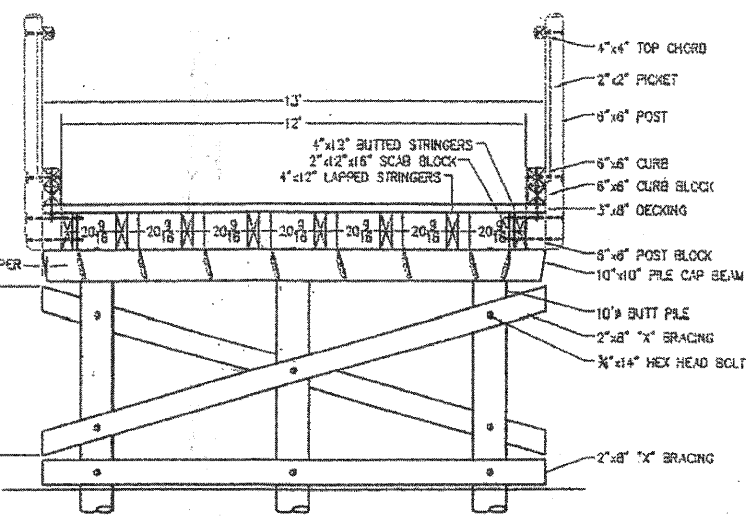
TOP CHORD DETAIL 4



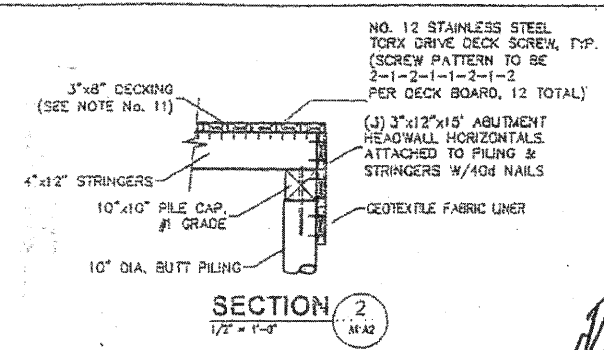
PILE SUPPORT SECTION B



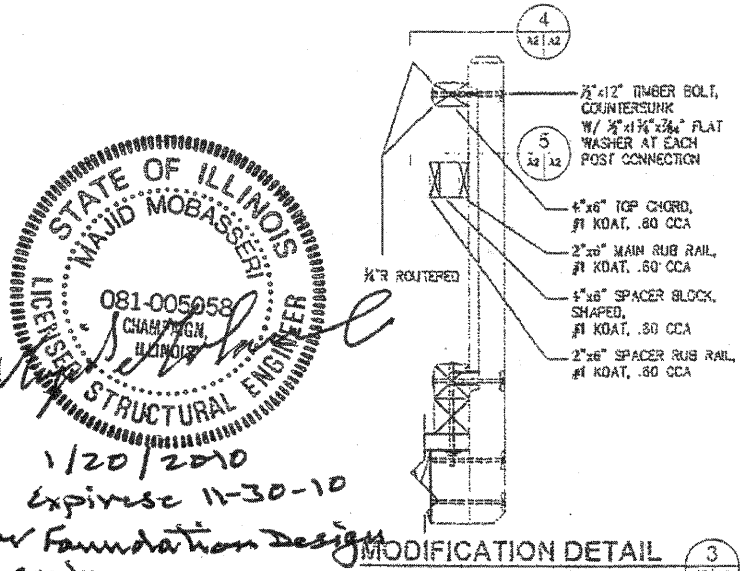
RAILING DETAIL 1



PILE SUPPORT SECTION A

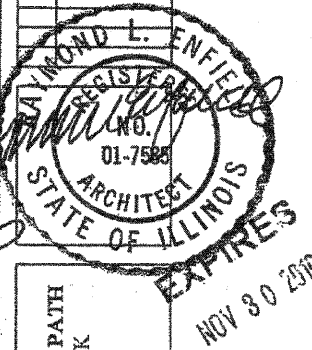


SECTION 2

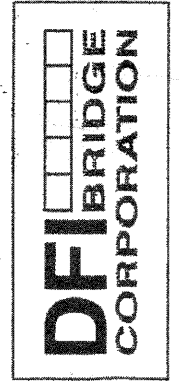


MODIFICATION DETAIL 3

date	ISSUE



DEERFIELD ROAD BIKE PATH
TEN TON BOARDWALK
LAKE COUNTY
ILLINOIS



5055 BABCOCK ST. N.E. #4
PALM BAY, FL 32905
Phone: (888) 727-7100
Fax: (321) 728-7100
Web: www.dfi-gc.com

scale: as shown
drawn: C. THOMAS
checked: D. HUGHES
approved: D. HUGHES
date: 11-02-09
job no.: 98109

SECTIONS & DETAILS, NOTES
SHEET NO. A 2

FILE NAME = N:\LCD001\06377A\Civil\BOARDWALK_06377A.D2.SHT	USER NAME = PMAGNELLI	DESIGNED - BLL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEERFIELD ROAD BIKE PATH BOARDWALK	F.A.U. RTE. 1257	SECTION 04-00038-03-BT	COUNTY LAKE	TOTAL SHEETS 40	SHEET NO. 31
PLOT SCALE =	PLOT DATE = 1/20/2010	CHECKED - JGS	REVISED -	SCALE: NONE	SHEET NO. 2 OF 2 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO. 63408		