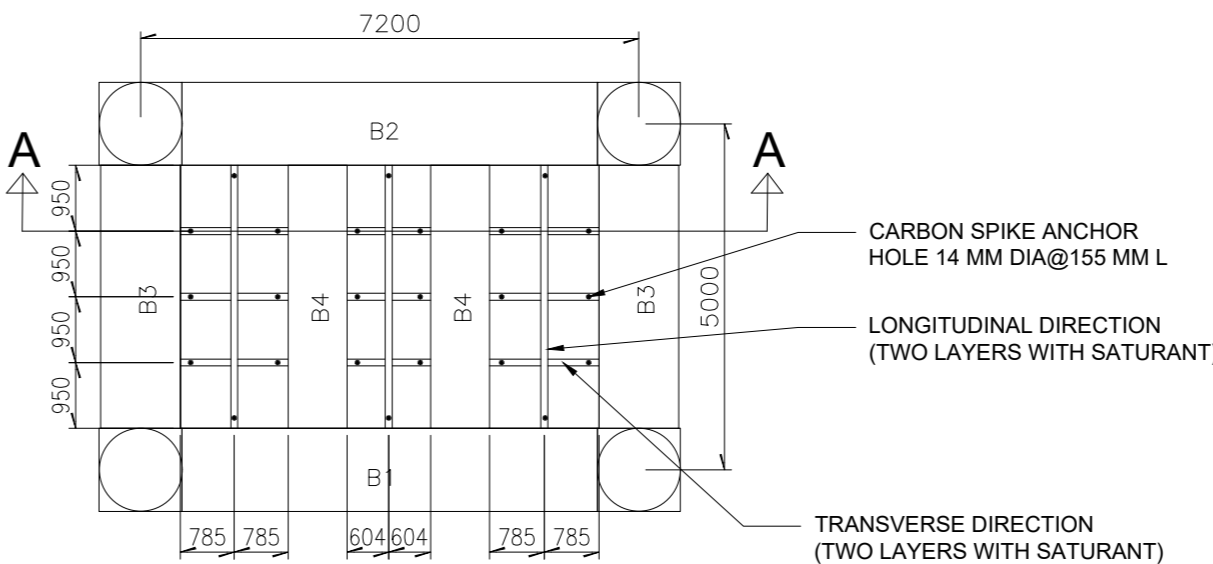


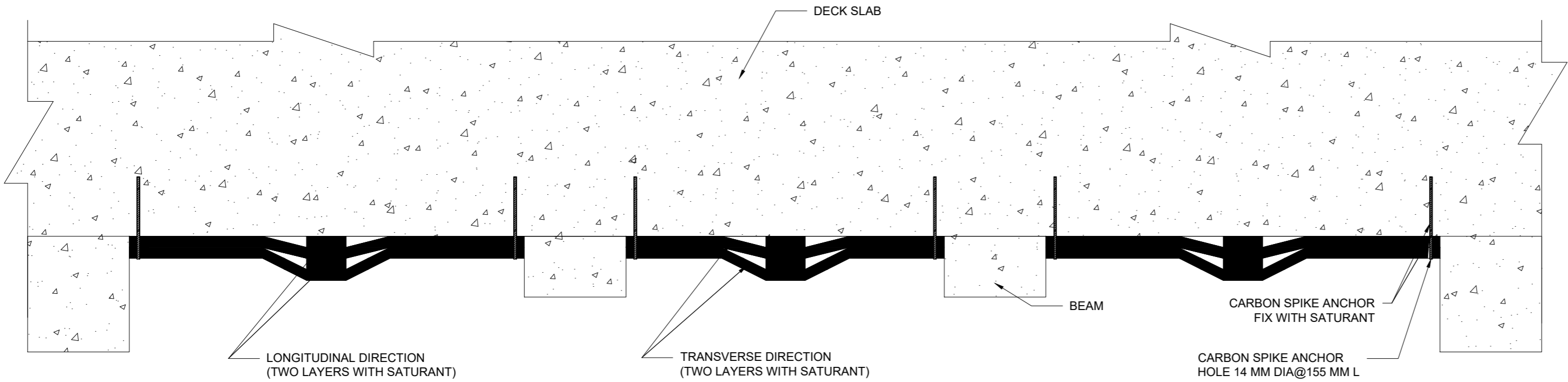
GENERAL BEAM LAYOUT FOR CB-10

1:250

NO LAMINATION AREA

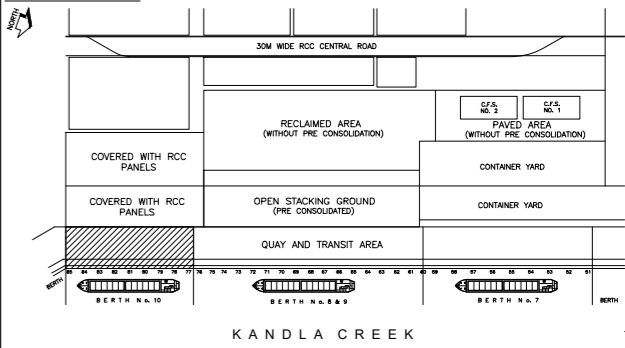


CFRP LAMINATE (TYP.)
DETAIL-1 (TPY.)



SECTION A-A

KEY PLAN



LEGEND:-

- (TYP) — TYPICAL
- T&B — TOP AND BOTTOM
- C/C — CENTER TO CENTER
- THK — THICKNESS
- EL — ELEVATION
- TOC — TOP OF CONCRETE
- TOPC — TOP OF PILE CAP
- BOPC — BOTTOM OF PILE CAP
- MSL — MEAN SEA LEVEL
- TOP — TOP OF POLYMER
- CB — CRANE BEAM
- LB — LONGITUDINAL BEAM
- TB — TRANSVERSE BEAM
- PCC — PORTLAND CEMENT CONCRETE

NOTES:

- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED AND ALL ELEVATIONS ARE IN METERS WITH RESPECTIVE TO CHART DATUM.
- GRADE OF CONCRETE MIX SHALL BE M-40 CONFIRMING TO IS 456-2000.
- REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH DEFORMED BARS OF GRADE FE 500D CONFIRMING TO IS 1786-2007.
- BAR BENDING SCHEDULE OF ALL REINFORCEMENT SHALL BE PREPARED AT SITE BY THE VENDOR
- UNLESS OTHERWISE MENTIONED DEVELOPMENT LENGTH SHALL BE TAKEN AS 45 X DIAMETER.
- NOT MORE THAN 50% OF REINFORCEMENT BARS SHALL BE LAPPED AT A PARTICULAR SECTION.
- CLEAR COVER TO ALL REINFORCEMENT (INCLUDING LINKS) IN VARIOUS RCC ELEMENTS SHALL BE TAKEN FOLLOWS
A. PILE CAP = 75MM
B. OTHER RCC MEMBERS = 50MM
C. FENDER COLUMN = 75MM

NOTE:

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH OLD DRAWINGS OF EXISTING STRUCTURE AND CONFIRM THE SAME WITH SITE CONDITION BEFORE THE START OF WORK.

FINAL GFC DRAWING

REV.	DATE	DESCRIPTION	DESIGN	CHKD	APPD
ENGINEERING CONSULTANT: INDIAN INSTITUTE OF TECHNOLOGY BOMBAY					
CLIENT NAME: DEENDAYAL PORT AUTHORITY KANDLA, GUJARAT					
PROJECT NAME: CONDITIONAL ASSESSMENT MODIFICATION & STRENGTHENING OF EXISTING CARGO BERTHS 7 TO 10, DPT					
TITLE: TYPICAL ARRANGEMENT OF CFRP LAMINATE FOR CB 10 FOR CB-10					
DRAWN: AS	DRAWING NO.		REVISION		
SCALE: AS SHOWN	IITB_DPT_GFC_10004		-		