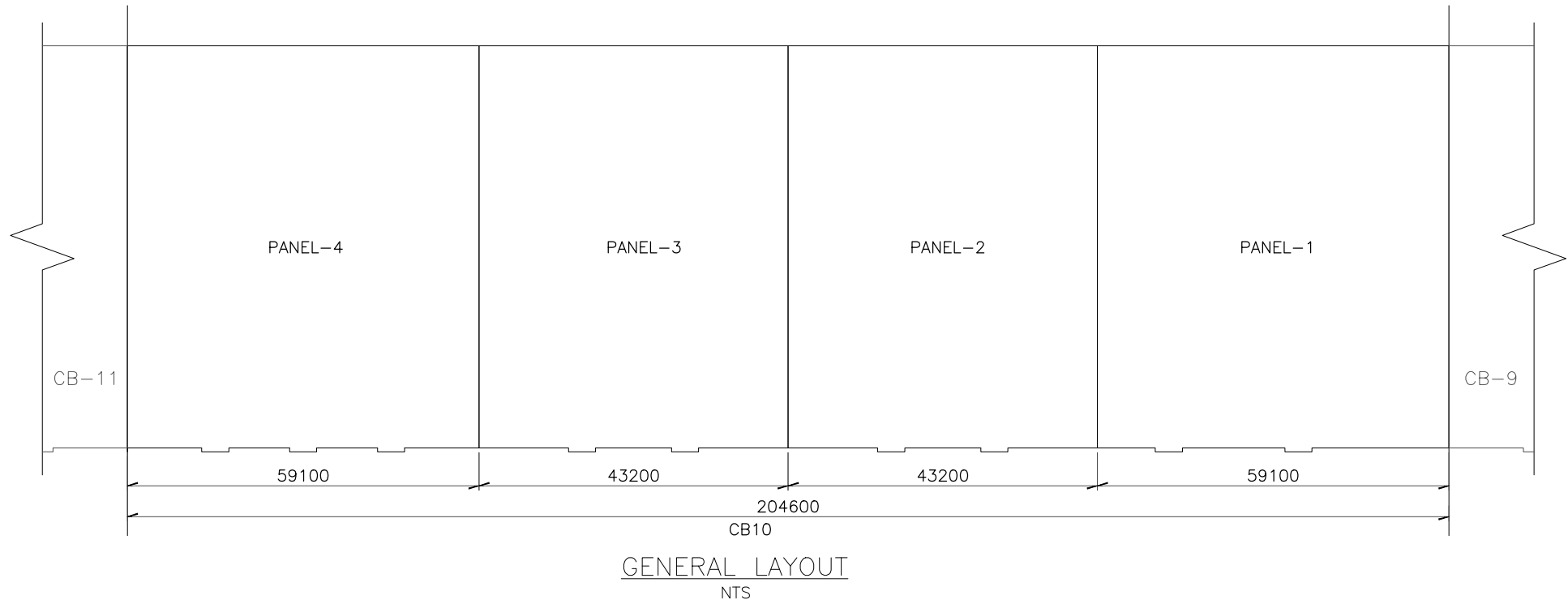


BEAM LAYOUT FOR CB-10

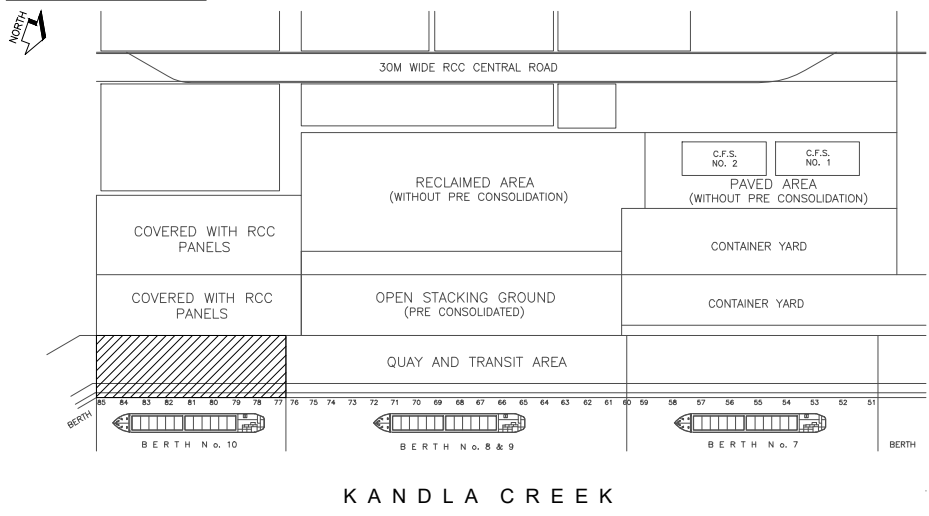
1:250  
(HIDDEN BEAM 450X450 U.N.O.)

— AREA NOT IN SCOPE



MAIN BEAM SCHEDULE			
TYPE	B (WIDTH)	D (DEPTH)	REMARKS
B1	1600	1600	—
B2	1150	1600	—
B3	1150	1600	—
B4	850	1000	—
CB1	1600	1600	CANTILEVER
CB2	1150	1600	CANTILEVER
CB3	1150	1600	CANTILEVER
CB4	850	1000	CANTILEVER

## 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:					
CLIENT NAME:		INDIAN INSTITUTE OF TECHNOLOGY BOMBAY			
PROJECT NAME:		DEENDAYAL PORT AUTHORITY KANDLA, GUJARAT			
TITLE:		CONDITIONAL ASSESSMENT MODIFICATION & STRENGTHENING OF EXISTING CARGO BERTHS 7 TO 10, DPT			
		DETAILED BEAM LAYOUT FOR CB-10 (PANEL NO. 77 TO 85)			
DRAWN: BM	SCALE: AS SHOWN	DRAWING NO. IITB_DPT_GFC_10002			REVISION -