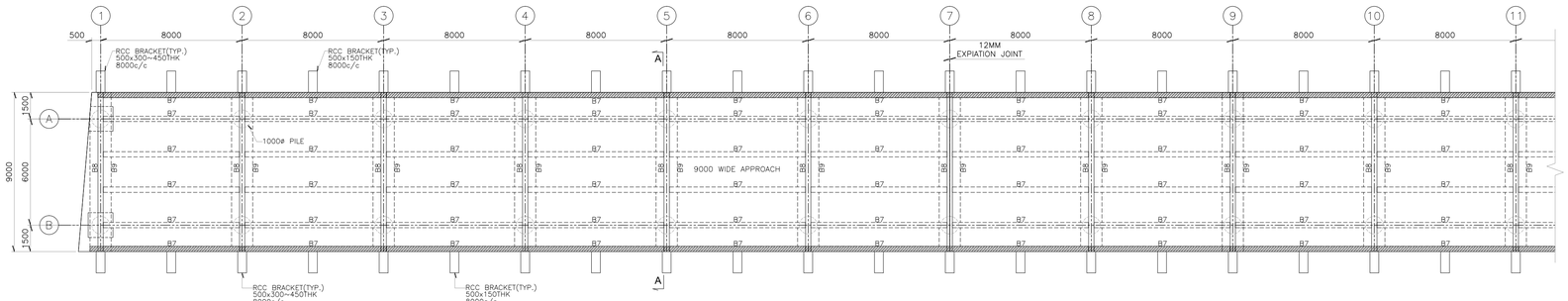
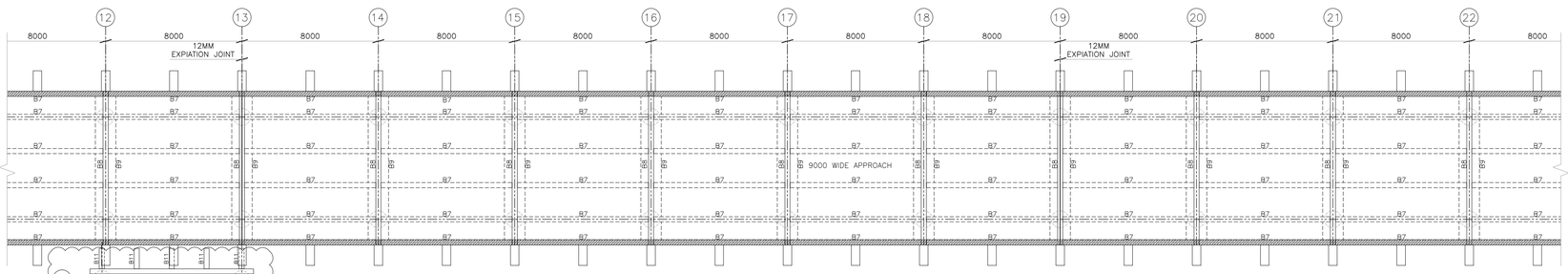
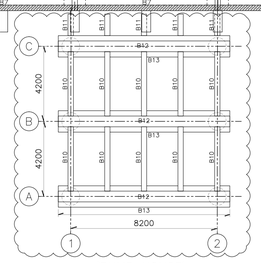
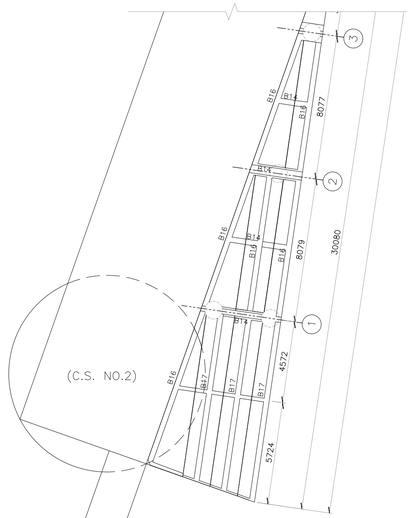
PRODUCED BY AN AUTODESK STUDENT VERSION







(PUMP HOUSE)



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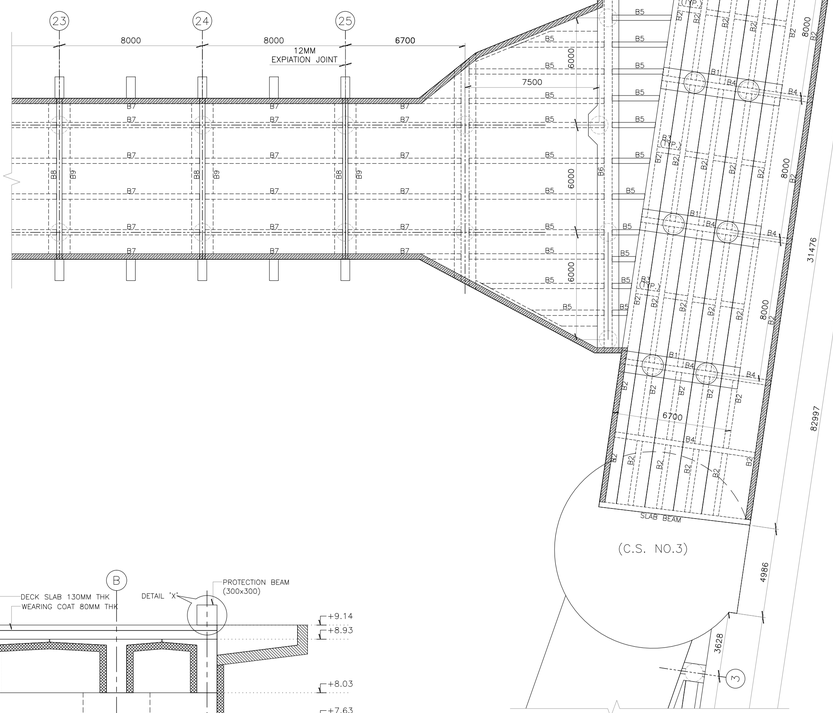

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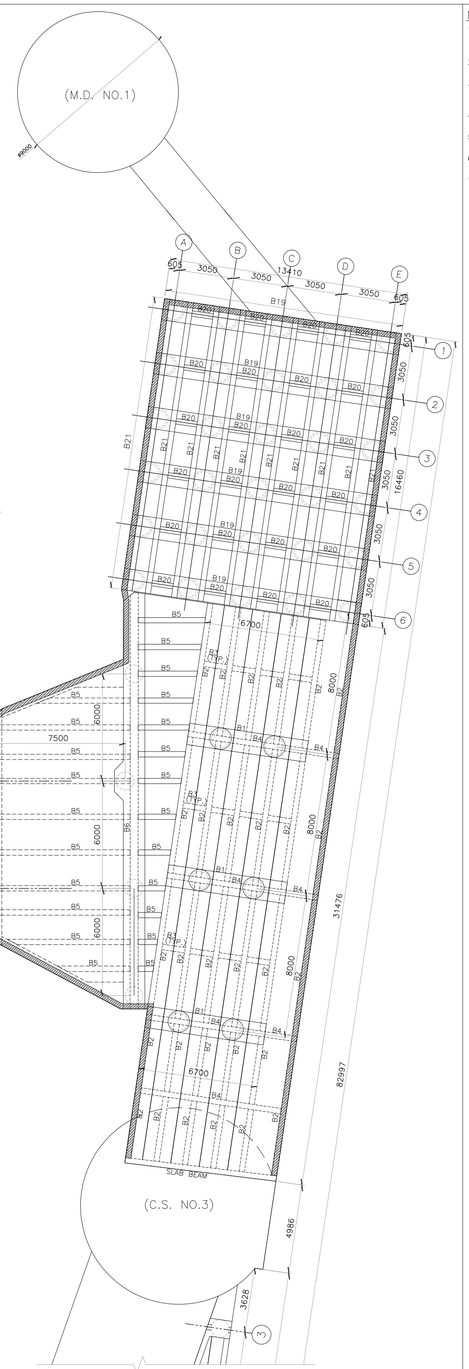
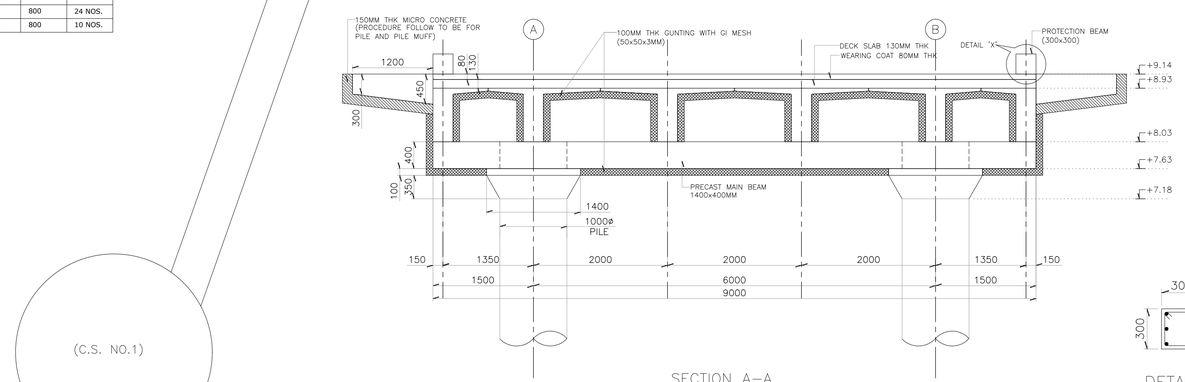
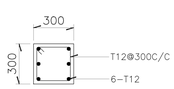


(M.D. NO.1)

(C.S. NO.2)



SECTION A–A
1:40



DETAIL X
1:25

(C.S. NO.1)

SCHEDULE OF BEAM			
BEAM NO (B)	SIZE OF BEAM		QTY.
	B(MM)	D(MM)	
B1	1200	450	3 NOS.
B2	300	800	20 NOS.
B3	300	800	24 NOS.
B4	300	800	3 NOS.
B5	300	800	23 NOS.
B6	450	800	1 NOS.
B7	300	800	150 NOS.
B8	300	800	25 NOS.
B9	1200	450	25 NOS.

SCHEDULE OF PILE		
COLUMN NO	SIZE OF COLUMN	
	DIA	QTY.
P1	1000	56

SCHEDULE OF PILE MUFF		
COLUMN NO	SIZE OF COLUMN	
	DIA	QTY.
PM1	1200	6

SCHEDULE OF PILE MUFF			
BEAM NO (B)	SIZE OF BEAM		QTY.
	B(MM)	D(MM)	
PM2	1400	450	50 NOS.

SCHEDULE OF BEAM FOR PUMP HOUSE			
BEAM NO (B)	SIZE OF BEAM		QTY.
	B(MM)	D(MM)	
B10	300	800	10 NOS.
B11	300	800	5 NOS. CANTILEVER
B12	600	800	3 NOS.
B13	1200	450	3 NOS.

SCHEDULE OF BEAM FOR TRIANGLE PORTION			
BEAM NO (B)	SIZE OF BEAM		QTY.
	B(MM)	D(MM)	
B16	300	660	6 NOS.
B17	300	660	3 NOS.
B14	300	660	3 NOS.

SCHEDULE OF BEAM FOR NEW PIER HEAD (30 PILE GROUP)			
BEAM NO (B)	SIZE OF BEAM		QTY.
	B(MM)	D(MM)	
B19	1200	450	5 NOS.
B20	300	800	24 NOS.
B21	300	800	10 NOS.

NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED AND ALL ELEVATIONS ARE IN METERS WITH RESPECTIVE TO CHART DATUM.
2. GRADE OF CONCRETE MIX SHALL BE M-40 CONFIRMING TO IS 456-2000.
3. REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH DEFORMED BARS OF GRADE FE 500D CONFIRMING TO IS 1786-2007.
4. BAR BENDING SCHEDULE OF ALL REINFORCEMENT SHALL BE PREPARED AT SITE BY THE VENDOR
5. UNLESS OTHERWISE MENTIONED DEVELOPMENT LENGTH SHALL BE TAKEN AS 45 X DIAMETER.
6. NOT MORE THAN 50% OF REINFORCEMENT BARS SHALL BE LAPPED AT A PARTICULAR SECTION.
7. 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	CHK'D	APP'D
R0-A	29.09.21	FOR APPROVAL			

ENGINEERING CONSULTANT

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

CLIENT NAME

DEENDAYAL PORT TRUST
KANDLA, GUJARAT

PROJECT NAME

OIL JETTY NO.3
AT KANDLA PORT

TITLE

BEAM LAYOUT FOR
OIL JETTY NO.3

DRAWN: BM	DWG No.	REV.
SCALE: AS SHOWN	IITB_DPT_GFC_OJ-3_01	R0-A

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