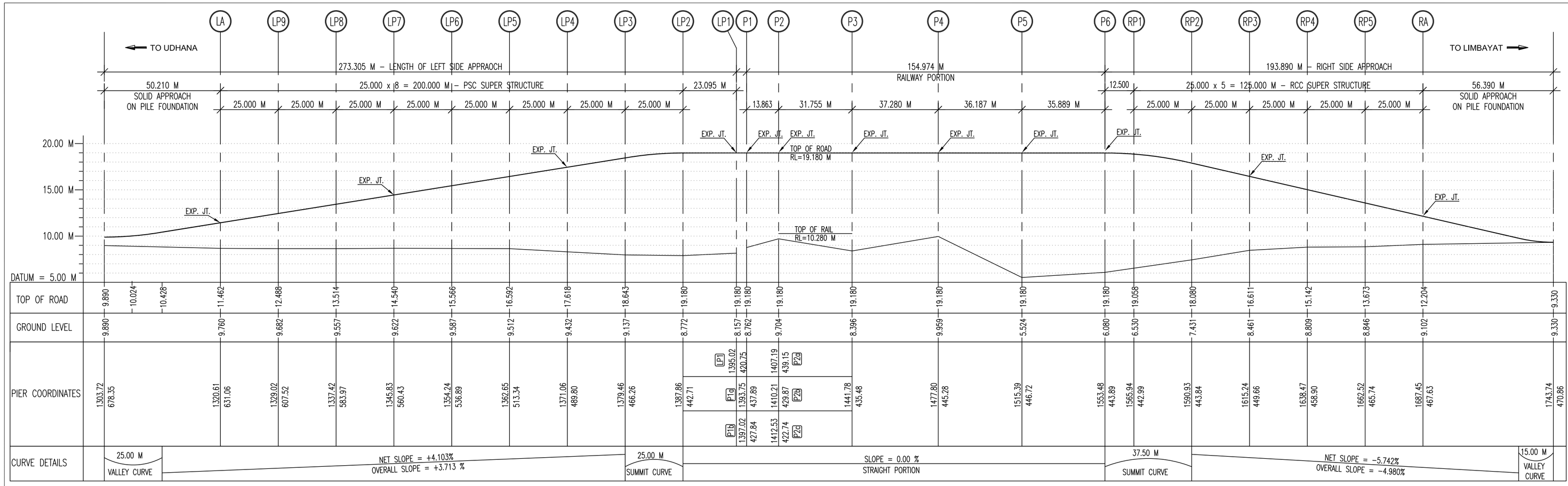
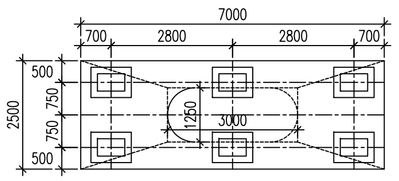
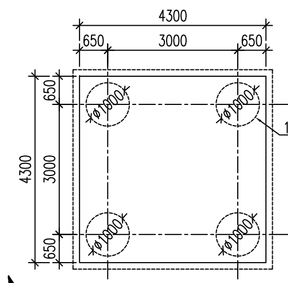


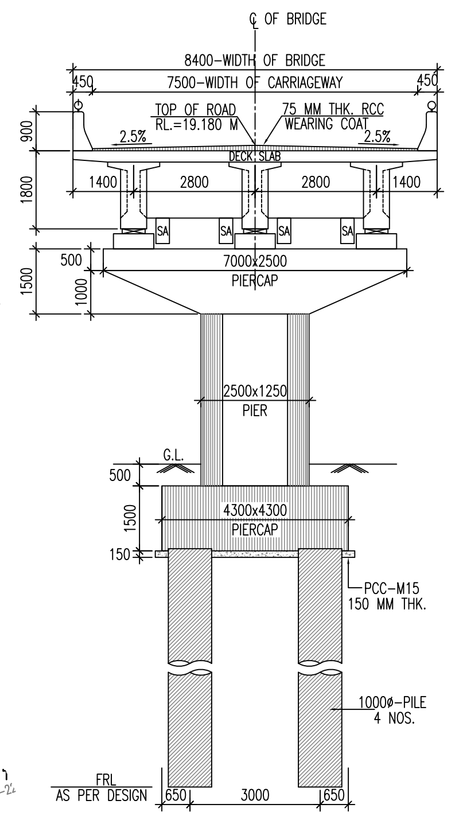


PLAN AT TOP OF PIERCAP
SCALE = 1:100

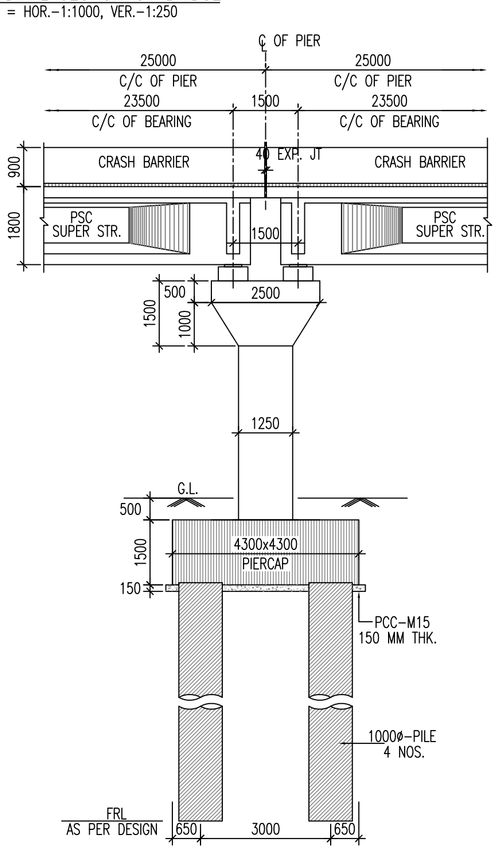


PLAN AT TOP OF PILECAP
SCALE = 1:100

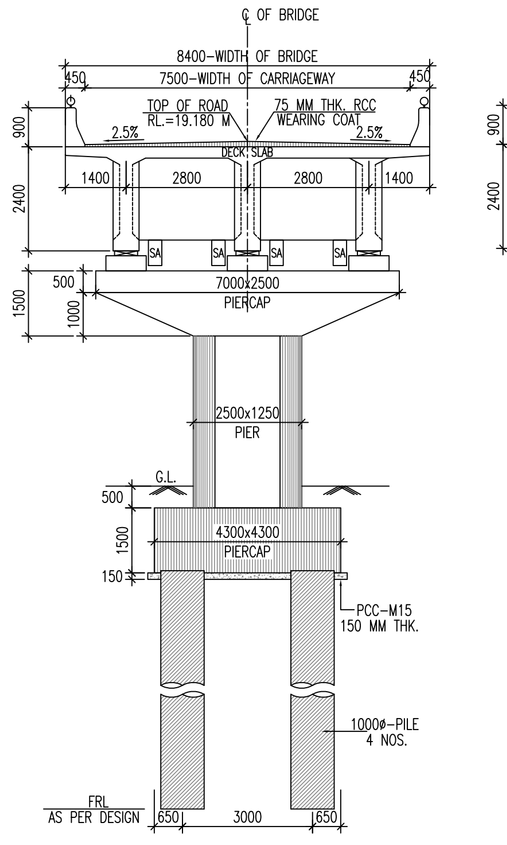
LONGITUDINAL SECTION OF BRIDGE
SCALE = HOR.–1:1000, VER.–1:250



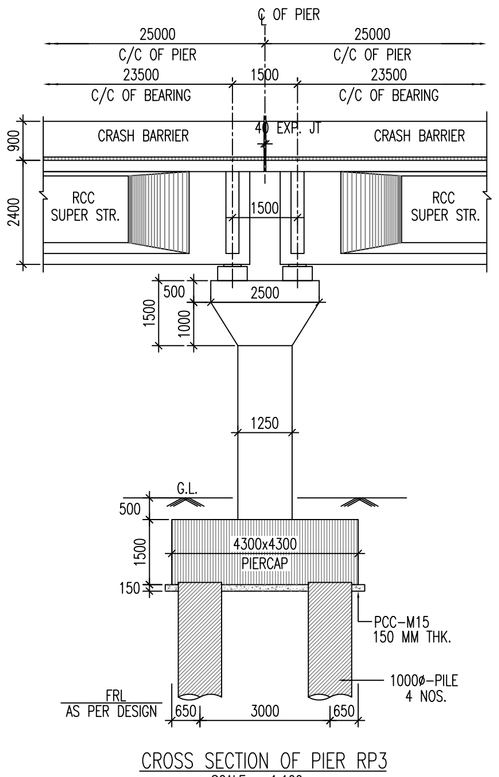
TYPICAL SECTION OF BRIDGE FOR 25.00 M PSC SPAN
SCALE = 1:100



CROSS SECTION OF PIER LP4
SCALE = 1:100



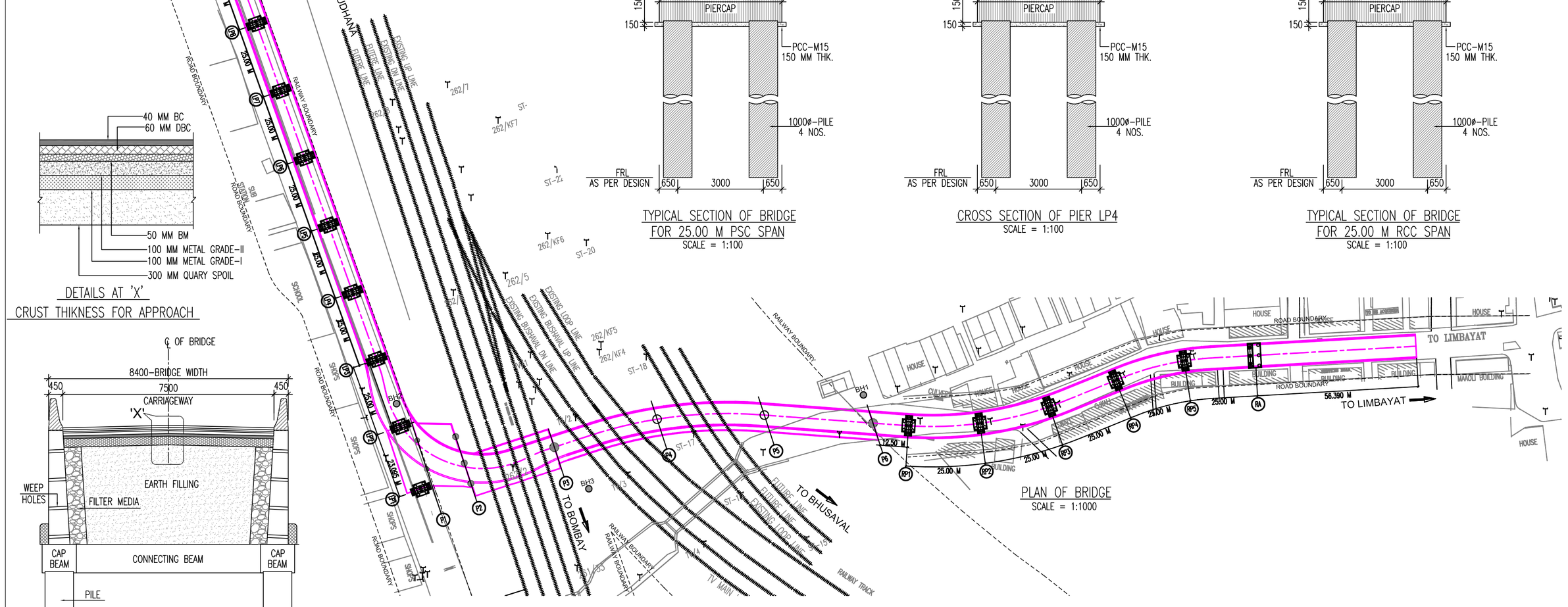
TYPICAL SECTION OF BRIDGE FOR 25.00 M RCC SPAN
SCALE = 1:100



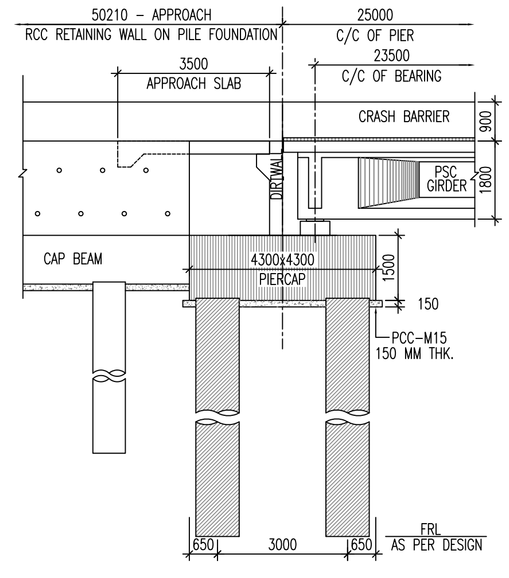
CROSS SECTION OF PIER RP3
SCALE = 1:100

DETAILS AT 'X'
CRUST THIKNESS FOR APPROACH

C/S OF APPROACH ON PILE FOUNDATION
SCALE – 1:100



PLAN OF BRIDGE
SCALE = 1:1000



CROSS SECTION OF ABUTMENT – LA
SCALE = 1:100

NOTES:–

(1) ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES UNLESS OTHERWISE MENTIONED IN THE DRAWING.

(2) NO DIMENSION SHALL BE SCALED FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.

(3) STRUCTURAL DETAILS, DIMENSIONS & CONC. GRADES SHOWN IN THIS DRAWING ARE TENTATIVE AND ANY UNIT AND ITS DIMENSION WILL BE AS PER DETAILED DESIGN AND WORKING DRAWINGS.

(4) DESIGN SHALL BE AS PER LATEST RELEVANT CODE(S) OF IRC AND OTHER CODES AS APPROVED BY MOSRT&H.

(5) STRIP SEAL/COMPRESSION SEAL TYPE EXPANSION JOINTS OF APPROVED MOSRT&H MANUFACTURER SHALL BE PROVIDED IN DECK AT EXPANSION GAPS.

(6) THE BRIDGE WILL BE DESIGNED FOR BELOW MENTIONED IRC LOADING
(A) EACH TWO LANE BRIDGE SHALL BE DESIGNED FOR IRC CLASS "A" TWO LANE LOADS OR ONE LANE OF 70R WHEELED OR TRACKED VEHICLES, WHICH EVER IS SEVERE AND GOVERNING.

(7) STEEL USED SHALL BE TMT BARS Fe–415/Fe–500 CONF. TO I.S. 1786.

(8) CRASH BARRIER SHALL BE PROVIDED AS PER MOSRT&H STANDARD DRAWINGS.

(9) BEARINGS = ELASTOMERIC

(10) DRAINAGE SPOUT & WEARING COAT SHALL BE AS PER MOSRT&H STANDARD DRAWINGS SD–303.

(11) DEPTH OF FOUNDATION SHALL BE PROVIDED AS PER DETAILED GEOTECHNICAL SURVEY , DESIGN REQUIREMENT AND IRC –78–2014.

(12) BRIDGE SHALL BE DESIGNED CONSIDERING LOCATION AS SEISMIC ZONE III.

(13) ALL RCC/PSC WORK SHALL BE CONFIRM TO IRC:6–2014, IRC:112–2011, IRC:18–2000, IRC–78–2014, IRC:22–1986 WHICHEVER IS APPLICABLE.

(14) CLEAR COVER TO MIAN REINFORCEMENT –
–75 MM FOR PILE/PILECAP/PIER.
–50 MM FOR OTHER COMPONENTS.
–40 MM FOR SUPER STRUCTURE.

(15) RCC WEARING COAT OF 75 MM THK. (AVG. THK.) TO BE PROVIDED ON TOP OF DECK.

(16) 600 TH. THE FILTER MEDIA SHALL BE PROVIDED BEHIND THE SURFACE OF RETAINING WALL AS PER IRC:78.

(17) WEEP HOLES TO BE PROVIDED AT 1000 MM C/C IN RETAINING WALL IN STAGGERED MANNER

REV.	DATE	PARTICULAR
R2	10-03-2016	REVISED DUE TO CHANGE IN GROUND LEVEL AT UDHANA SIDE
R1	11-01-2016	REVISED IN TOP OF ROAD DUE TO CHANGE IN RAILWAY GAD

PROJECT :
CONSTRUCTION OF ROB NEAR UDHANA RAILWAY STATION AT KM 262/2-262/6 & ST 17-18 BETWEEN STATION UDHNA & BHESTAN ACROSS SURAT-MUMBAI & SURAT-BHUSAVAL RLY LINE NEAR RLY CULVERT NO : 437, AT UDHNA, SURAT.

ORGANIZATION :
SURAT MUNICIPAL CORPORATION
BRIDGE CELL, SURAT

CONTRACTOR :
RACHANA CONSTRUCTION
BHARUCH

CASAD CONSULTANTS
• CIVIL • ARCHITECTURAL • STRUCTURAL • ANALYSIS • DESIGN
101, DEV ASHISH, 14/B, JAIN SOCIETY, NR. PRITAM NAGAR AKHADA, OPP. KOCHRAB ASHRAM, ELLISBRIDGE,AHMEDABAD-380 006.
PH:- 079-26582151
EMAIL:- casadconsultants@gmail.com

TITLE
GENERAL ARRANGEMENT DRAWING

DRAWN BY	V.J.SHAH	CHECK BY	H.V.MOJIDRA
DESIGN BY	K.I.GAJJAR	APPROVED BY	J.B.GANDHI

PROJECT NO.	2015-12	DRG. NO.	SMC / UDN / GAD	R1
DATE.	01-12-15	SCALE	AS SHOWN	