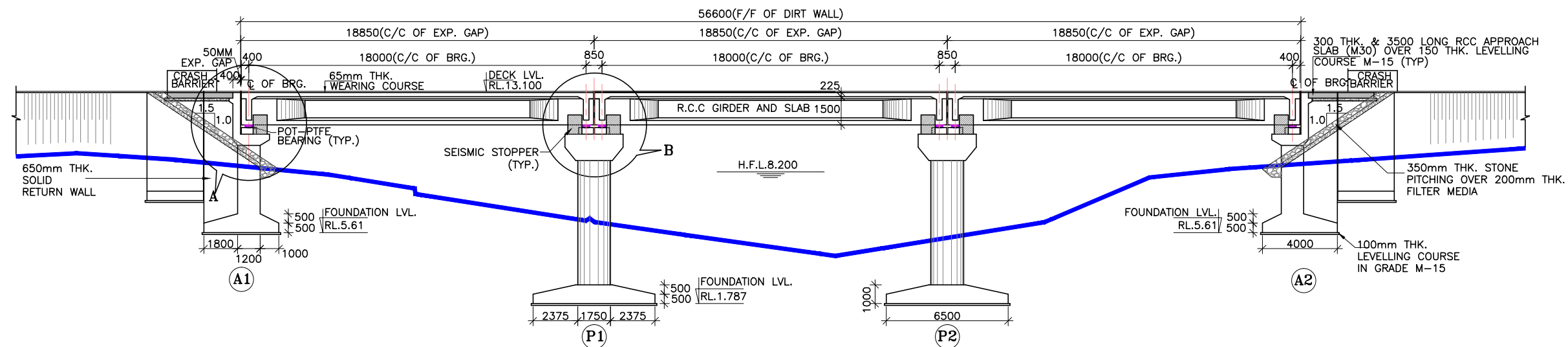


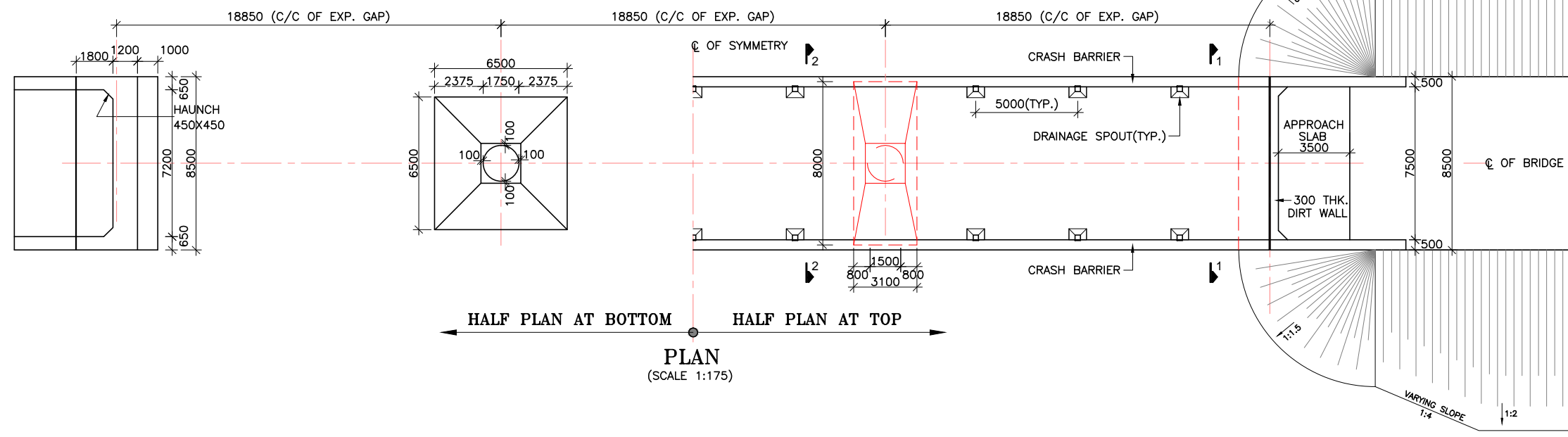
← CHIDYA TAPU

DIGLIPUR →
(FOOT HILL OF SADDLE PEAK)

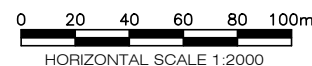


LONGITUDINAL ELEVATION OF PROPOSED BRIDGE

GROUND LEVEL (m)	9.110	6.143	4.809	5.287	9.220
CHAINAGE	205.894.725	205+913.575	205+923	205+932.425	205+951.275



SCALE :-



PROJECT :-

REHABILITATION AND UP-GRADATION OF SECTION FROM KM 206 TO 239.425 (NIMBUTALA TO AUSTIN CREEK) OF NH-223 TO 2-LANE WITH HARD SHOULDER IN THE UNION TERRITORY OF ANDAMAN & NICOBAR ISLAND (PACKAGE-4)

DWG TITLE :-

GENERAL ARRANGEMENT DRAWING
FOR BRIDGE AT KM. 205+923

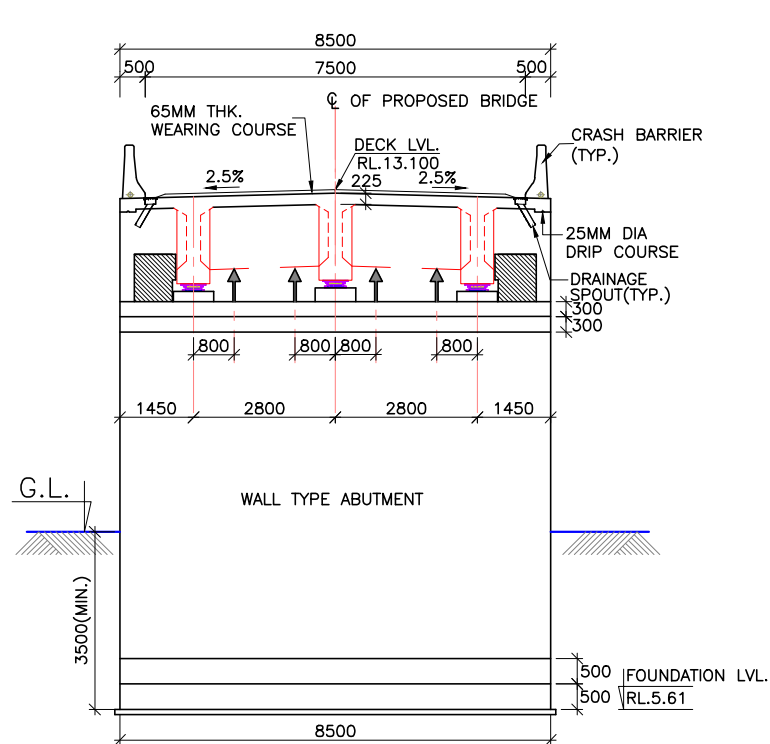
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DRAWING No : OPC/P-70/NH-223/GAD/205+923/1

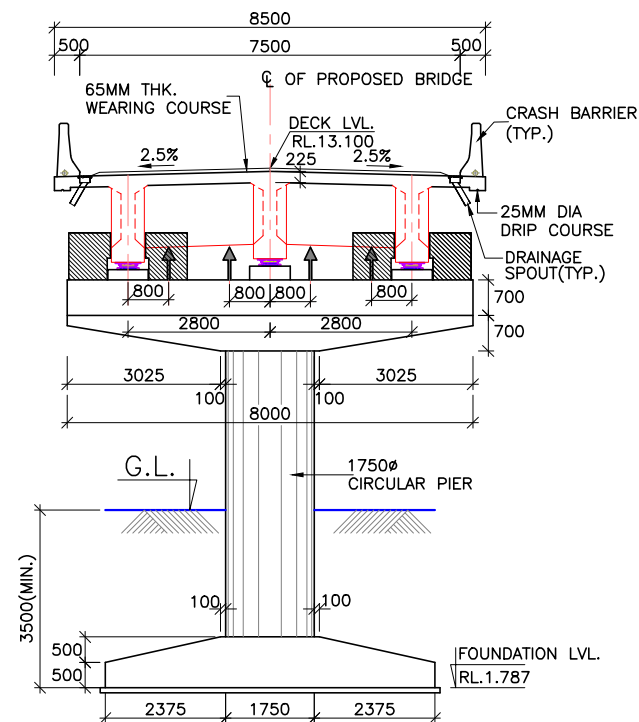
DATE : NOVEMBER 2017 Revision: **R-0**

DRAWN BY	DESIGNED BY	CHECKED BY	APPROVED BY
SHIAMNEGI	MD.SALIK	N.K.SINHA	S.K.SINHA

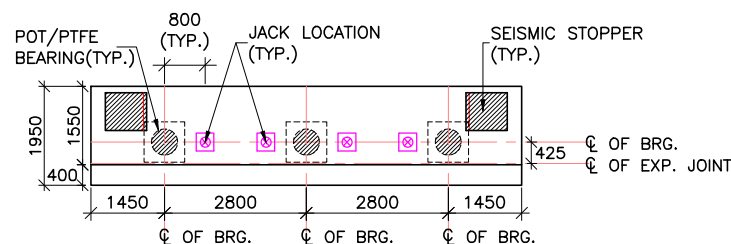
SHEET 1 OF 2



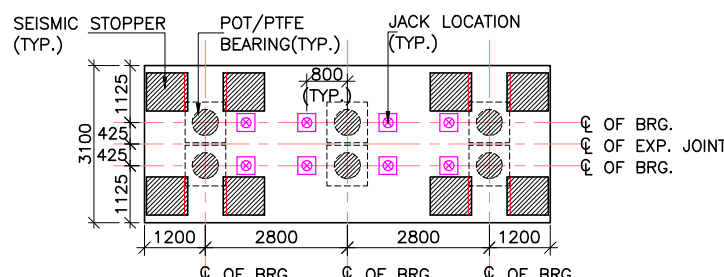
SECTION 1-1
(SCALE 1:100)



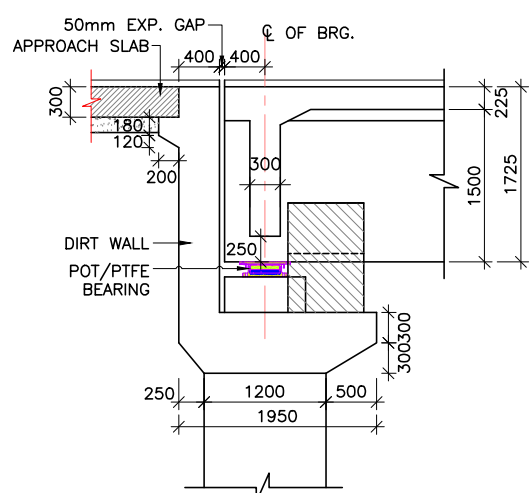
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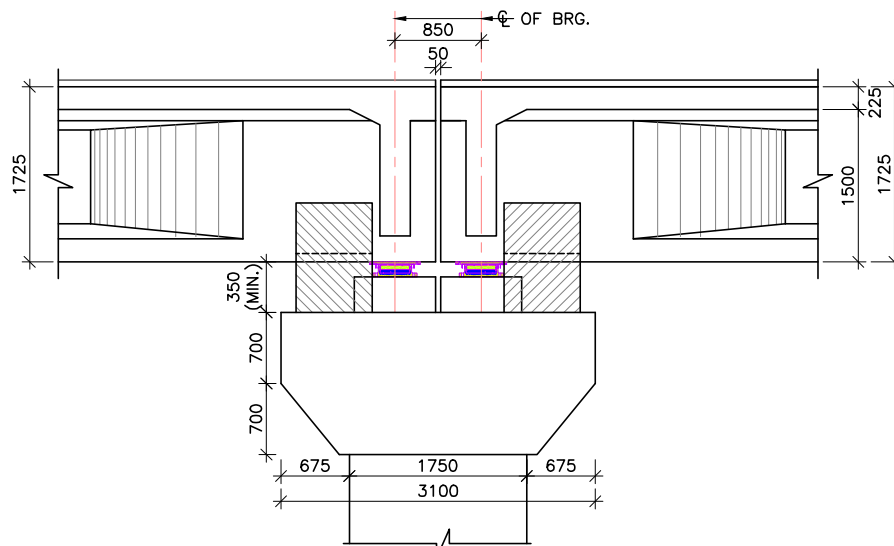
ABUTMENT CAP PLAN
(SCALE 1:100)



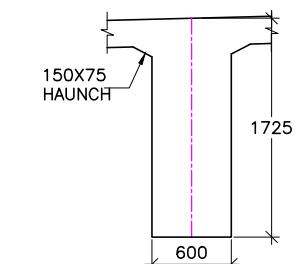
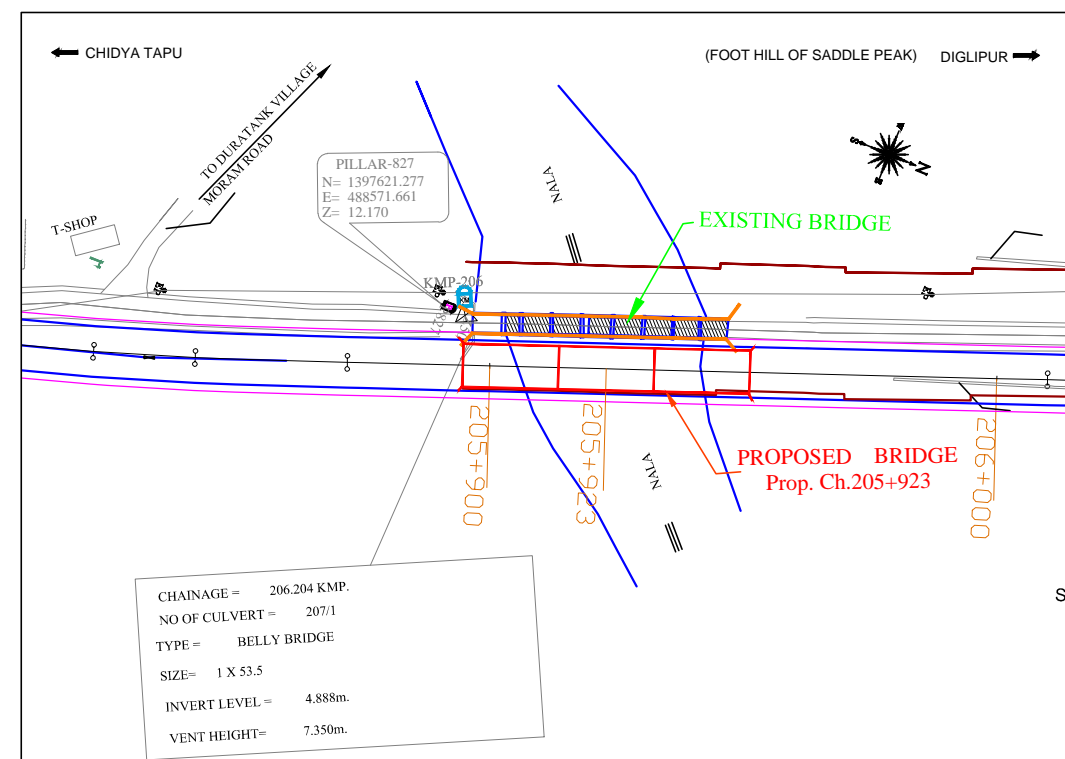
PIER CAP PLAN
(SCALE 1:100)



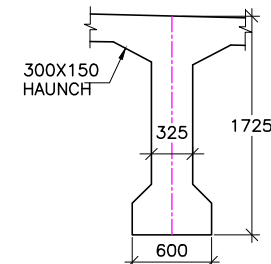
DETAIL-A
(SCALE 1:50)



DETAIL-B
(SCALE 1:50)



**R.C.C. GIRDER DETAIL
END SUPPORT SECTION**
(SCALE 1:40)

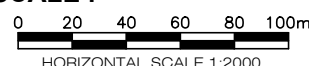


**R.C.C. GIRDER DETAIL
MID SECTION**
(SCALE 1:40)

NOTES:-

- ALL DIMENSIONS ARE IN mm AND LEVELS IN METRES UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- THE STRUCTURE IS DESIGNED FOR ONE LANE OF IRC CLASS 70R LOADING + ONE LANE OF IRC CLASS-A LOADING OR THREE LANES OF IRC CLASS A LOADING WHICHEVER GOVERNS.
- CONCRETE SHALL BE DESIGN MIX AND SHALL HAVE MINIMUM 28 DAYS CHARACTERISTIC CUBE STRENGTH AS FOLLOWS.
 - RC BEAM & SLAB - M35
 - SUBSTRUCTURE - M35
 - CRASH BARRIER & PEDESTAL - M40
 - FOUNDATION - M35
 - APPROACH SLAB - M30
 - LEVELLING COURSE - M15
- (i) CLEAR COVER TO OUTER MOST STEEL SHALL BE 50mm FOR ALL COMPONENTS EXCEPT FOUNDATIONS.
(ii) CLEAR COVER TO OUTER MOST STEEL SHALL BE 75mm FOR FOUNDATIONS.
- UNTENSIONED STEEL SHALL BE TMT DEFORMED BARS GRADE DESIGNATION Fe-500 CONFORMING TO IS:1786.
- LAYING, COMPACTION & EXTENT OF BACK FILL BEHIND ABUTMENT & RETURN WALL SHALL CONFORM TO APPENDIX-6 OF I.R.C 78-2000
- BACK FILLING BEHIND ABUTMENTS AND RETURN WALLS SHALL CONSIST OF SELECTED EARTH CONFORMING TO APPENDIX :6 OF IRC:78-2000 HAVING PROPERTIES $c=0$, $\phi=30^\circ$, $\delta=20^\circ$ & $\gamma_d = 18 \text{ KN/M}^3$
- 100 mm DIA WEEP HOLES AT 1000mm C/C BOTH HORIZONTALLY AND VERTICALLY SHALL BE PROVIDED IN STAGGERED MANNER IN RCC SOLID ABUTMENT AND RETURN WALLS ABOVE GROUND.
- 65mm THK. WEARING COAT COMPRISING OF 50mm THK. BITUMINOUS CONCRETE LAID IN TWO LAYERS OF 25mm THK. EACH OVER 15mm. THK. BITUMEN MASTIC SHALL BE PROVIDED AS PER SECTION 500 OF MORTH SPECIFICATION.
- WATER TO BE USED IN CONCRETING AND CURING SHALL CONFORM TO CLAUSE 302.4 OF IRC:21-2000.
- SBC CONSIDERED IN DESIGN AT FOUNDATION LEVEL IS 300 kN/Sqm. THIS SHALL BE ASCERTAINED BEFORE EXECUTION OF WORK AT SITE BY CONDUCTING SUB-SURFACE INVESTIGATION.
- STRIP SEAL TYPE EXPANSION JOINTS OF PROVEN QUALITY SHALL BE PROVIDED AS PER IRC:SP:69.
- CRASH BARRIER SHALL BE PROVIDED AS PER IRC:5-1998.
- POT-PTFE BEARINGS CONFORMING TO IRC:83 (PART-III)-2000 SHALL BE PROVIDED.

SCALE :-



PROJECT :-

REHABILITATION AND UP-GRADATION OF SECTION FROM KM 206 TO 239.425 (NIMBUTALA TO AUSTIN CREEK) OF NH-223 TO 2-LANE WITH HARD SHOULDER IN THE UNION TERRITORY OF ANDAMAN & NICOBAR ISLAND (PACKAGE-4)

DWG TITLE :-

GENERAL ARRANGEMENT DRAWING
FOR BRIDGE AT KM. 205+923

Scale: AS SHOWN

DRAWING No : OPC/P-70/NH-223/GAD/205+923/1

DATE : NOVEMBER 2017 Revision: **R-0**

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SHIAMNEGI	MD.SALIK	N.K.SINHA	S.K.SINHA

REV	DATE	DESCRIPTION OF REVISIONS	INITIALS