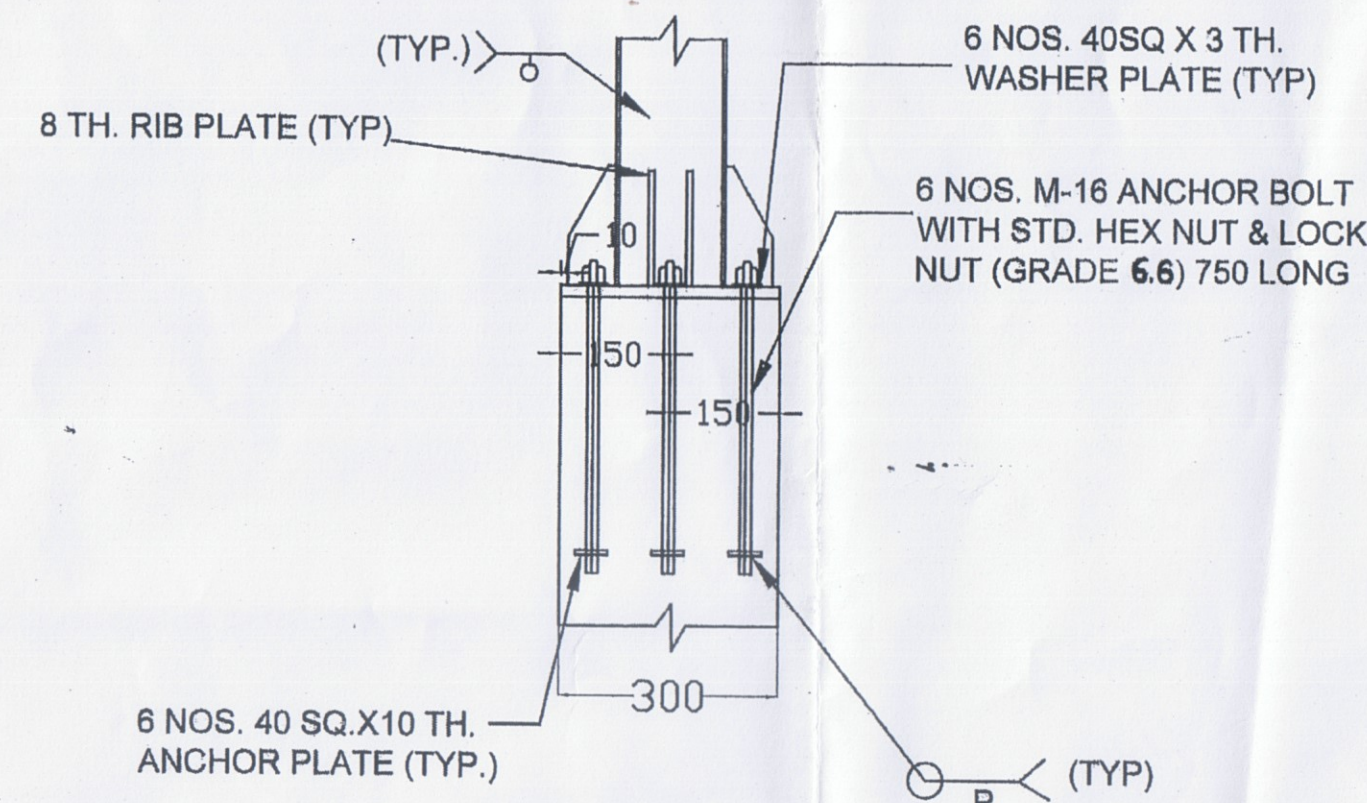


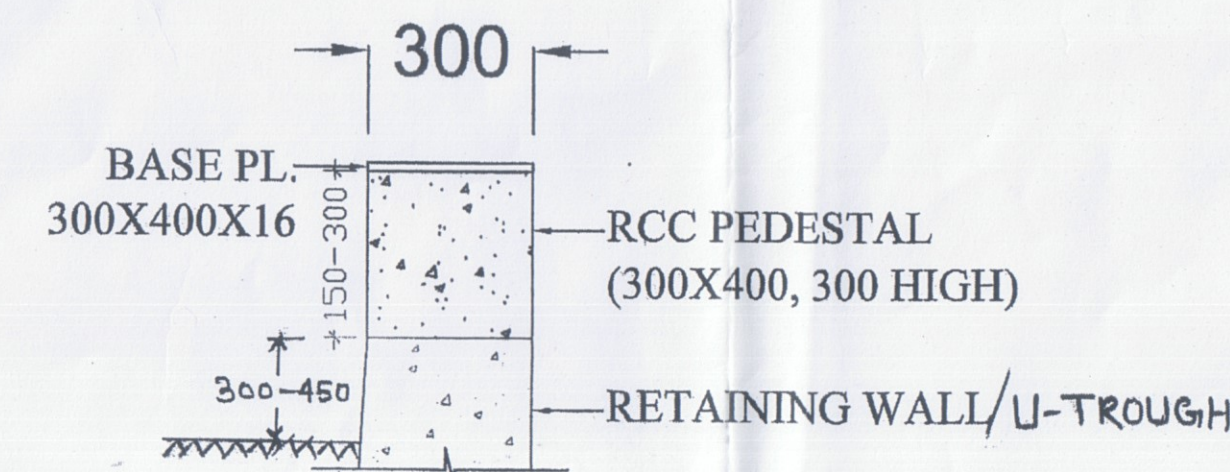
ITEM	SPAN 6.31-7.8M	SPAN 4.8-6.3M
V	600 MM (FOR SPAN 6.31-7.8M)	500 MM (FOR SPAN 4.8-6.3M)
YIELD STRENGTH TABLE 2 IS:1161-2014	310 MPa	310 MPa



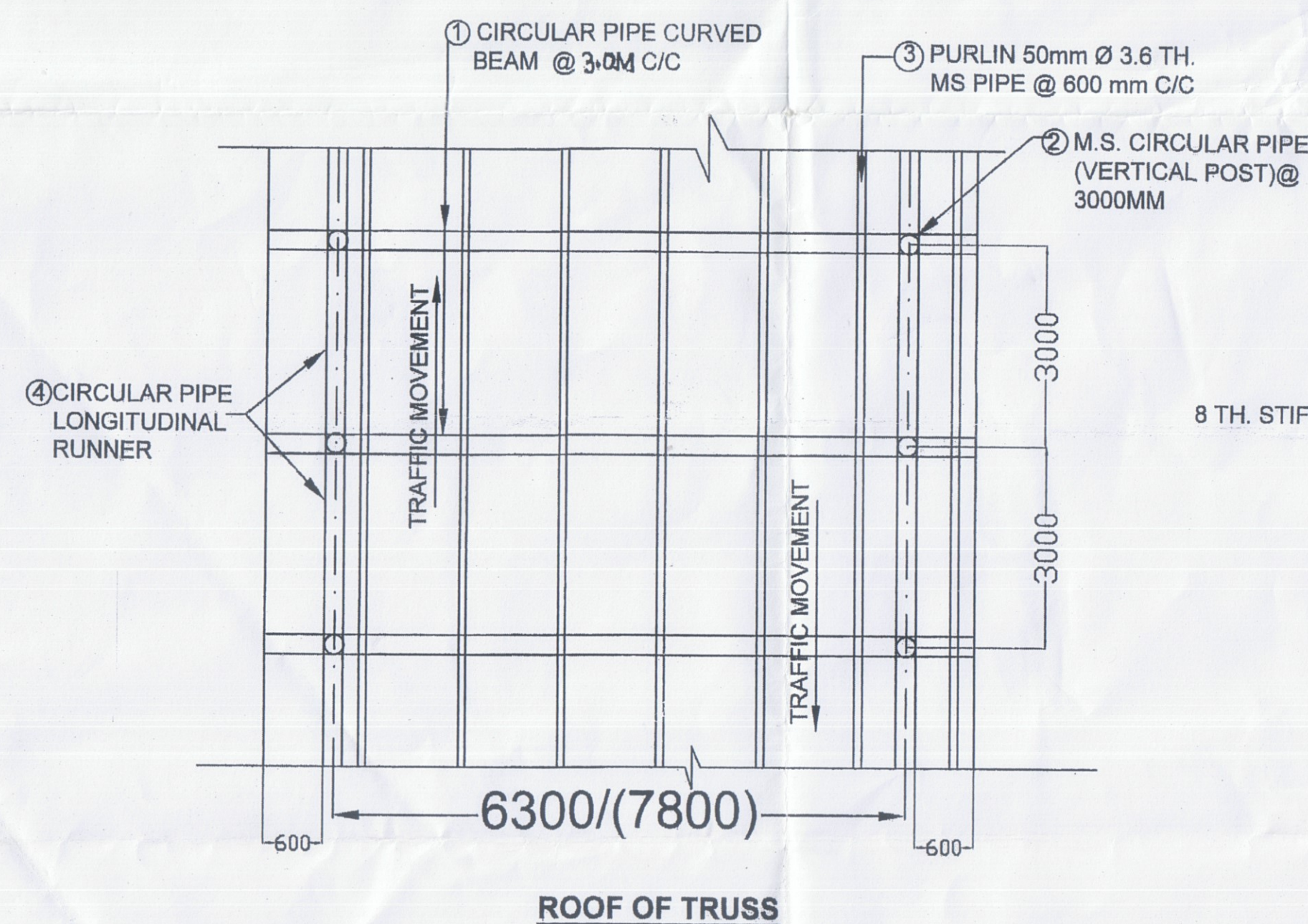
SCHEDULE OF MEMBERS USED		
MEMBER NO.	SECTION FOR (SPAN 6.31-7.8M)	SECTION FOR (SPAN 4.8-6.3M)
① CURVED BEAM	○ 200 NB, OD 219.1, TH.4.8	○ 150 NB, OD 168.3, TH.5.4
② COLUMN	○ 200 NB, OD 219.1, TH.4.8	○ 150 NB, OD 168.3, TH.5.4
③ PURLIN	○ 50 NB, OD 60.3, TH. 3.6	○ 50 NB, OD 60.3, TH. 3.6
④ LONG. RUNNER	○ 100 NB, OD 114.3, TH.4.5	○ 100 NB, OD 114.3, TH.4.5
⑤ CLEAT PLATE (8THK)	AS SHOWN	AS SHOWN

#### GENERAL NOTES:

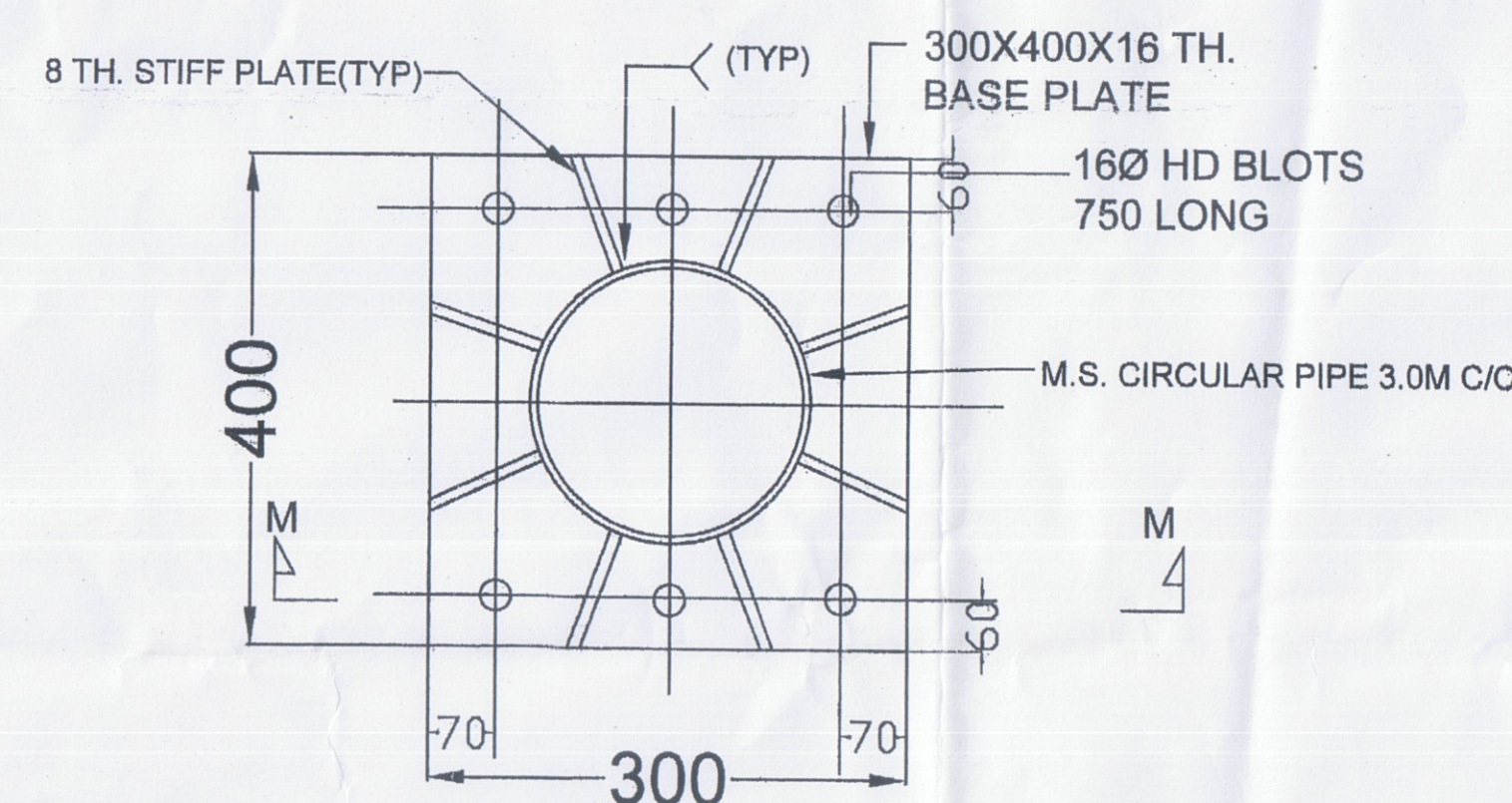
- ALL DIMENSION ARE IN MM.
- WELDING PROCEDURE SHALL CONFORM TO IS:9595 & IS:816-1989.
- ALL FILLET WELDS SHALL BE MINIMUM 5MM CONTINUOUS UNLESS SPECIFIED.
- OVERHEAD WELDING SHALL BE AVOIDED.
- ALL STRUCTURAL STEEL PIPE SECTION SHALL CONFORM TO IS 1161:2014 AND ROLL SECTION/PLATES SHALL CONFORM TO IS:800 (LATEST).
- FABRICATION AND ERECTION TO STEEL WORKS SHALL CONFORM TO IS:800 (LATEST).
- ALL GUSSET PLATE SHALL BE 8MM THK.
- ALL WELDS SHALL BE IN FULL LENGTH ALLROUND THE SECTION AT EACH JOINT.
- WELDING SHALL BE AS PER APPROVED PROCEDURE & BY QUALIFIED WELDERS.
- FEASIBILITY OF THE STRUCTURE SHALL BE CHECKED AT SITE IN EVERY RESPECT BY THE ENGINEER-IN-CHARGE BEFORE FABRICATION/ERECTION.
- SIZE OF RIB/BATTEN/GUSSET PLATES & OTHER PLATES IF ANY, MAY BE ADJUSTED IN TEMPLATE SHOP.
- ALL FILLET WELDS SHALL BE TESTED BY PRESCRIBED TESTS.
- MAX. WIND VELOCITY = 47 M/S HAS BEEN TAKEN IN DESIGN AS PER IS:875 PART-3 1987.
- PEDESTAL REINFORCEMENT SHOWN SHALL BE CONTINUED FOR FULL WALL HEIGHT. REINFORCEMENT OF WALL SHALL BE ADJUSTED AT PEDESTAL LOCATION BY UNCERTAILED REINFORCEMENT/ ADDITIONAL REINFORCEMENT(IF NEEDED).
- ROOFING ARRANGEMENT SHALL BE PROVIDED AS PER EXANT POLICY AND DIRECTIVES ONLY.
- CURVED BEAM SPRINGING LEVEL SHOULD BE AT BOX HEIGHT+500 MM.
- ALL HD BOLTS SHOULD CONFORM TO IS:1367 PROPERTY CLASS 6.6.
- HOLLOW SECTION (CURVED MEMBER/PURLIN) SHALL BE CLOSED AT ENDS BY PROVIDING PLATE OF SAME SECTION/THICKNESS TO MAKE WATER TIGHT.
- SLIGHT MODIFICATION IN DRAWING CAN BE MADE AS PER SITE CONDITIONS BY FIELD OFFICIAL OF MINIMUM J.A. GRADE.



DETAIL OF PEDESTAL

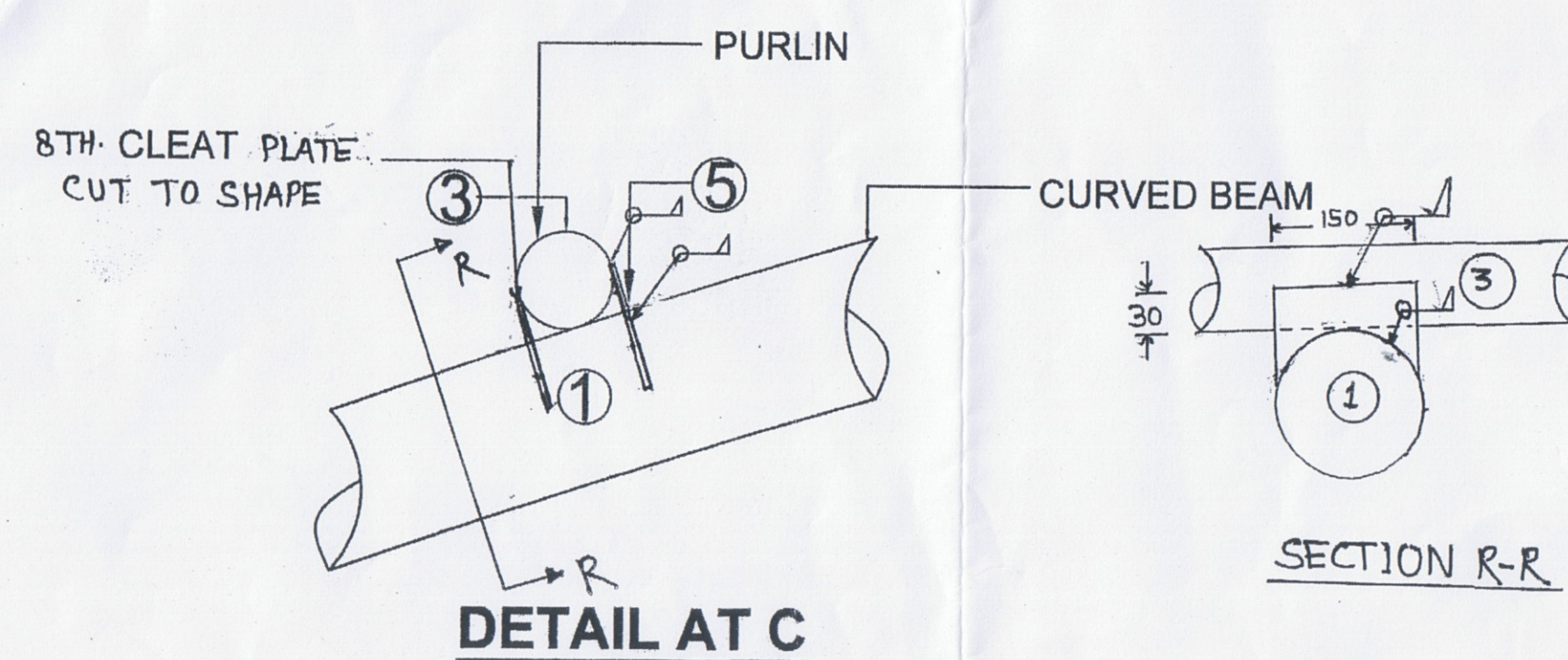
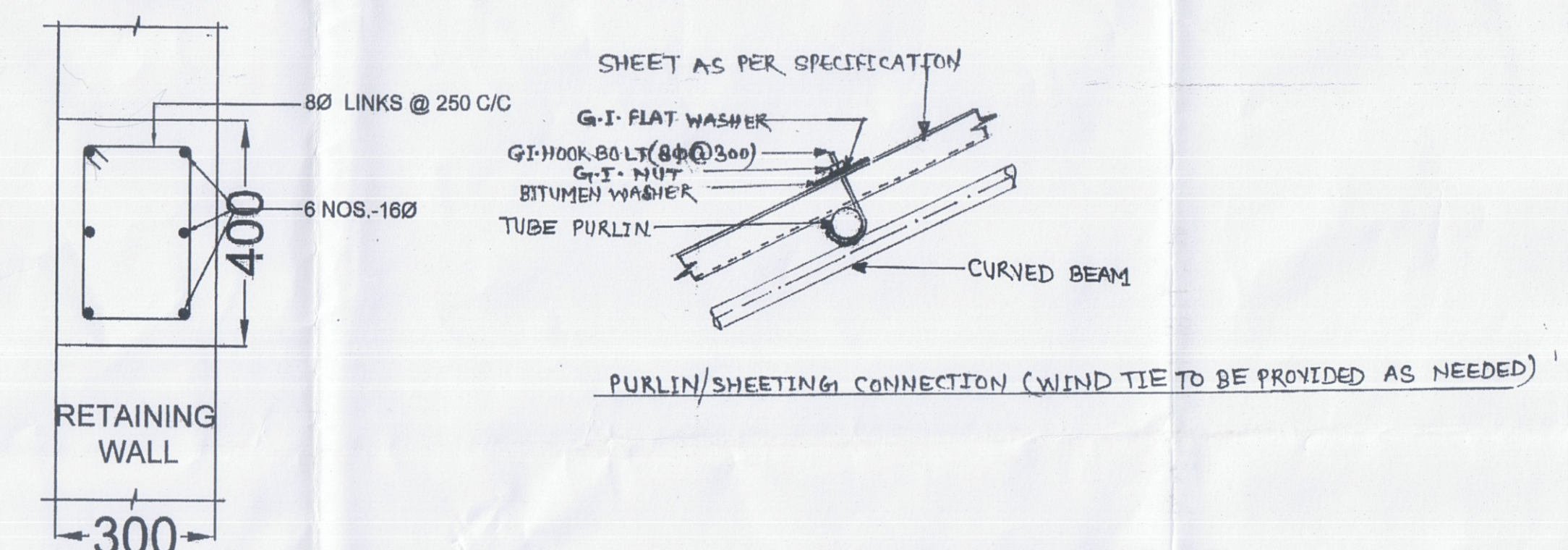


DETAILS OF STRUCTURE OVER APPROACH

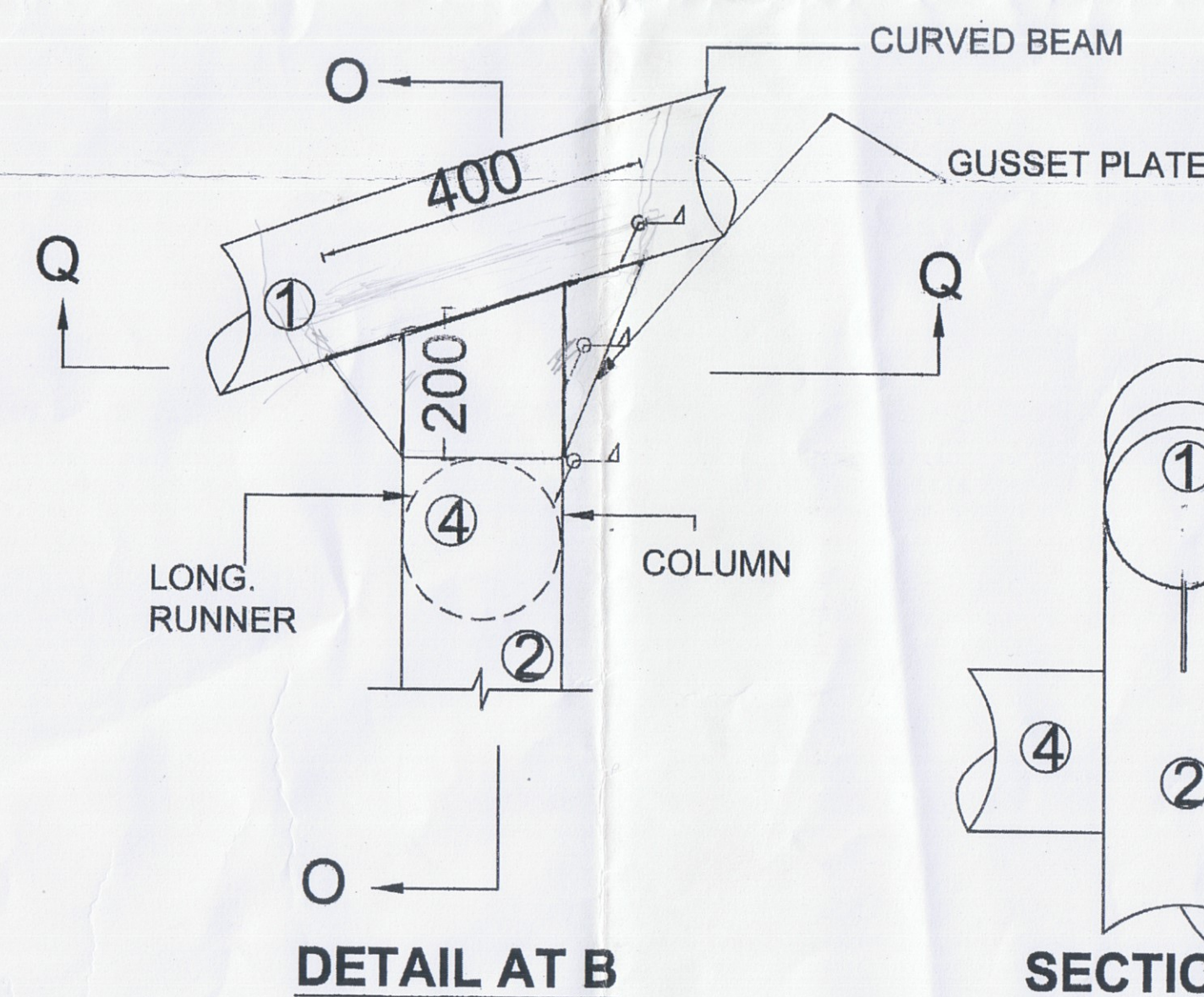


SECTION N-N

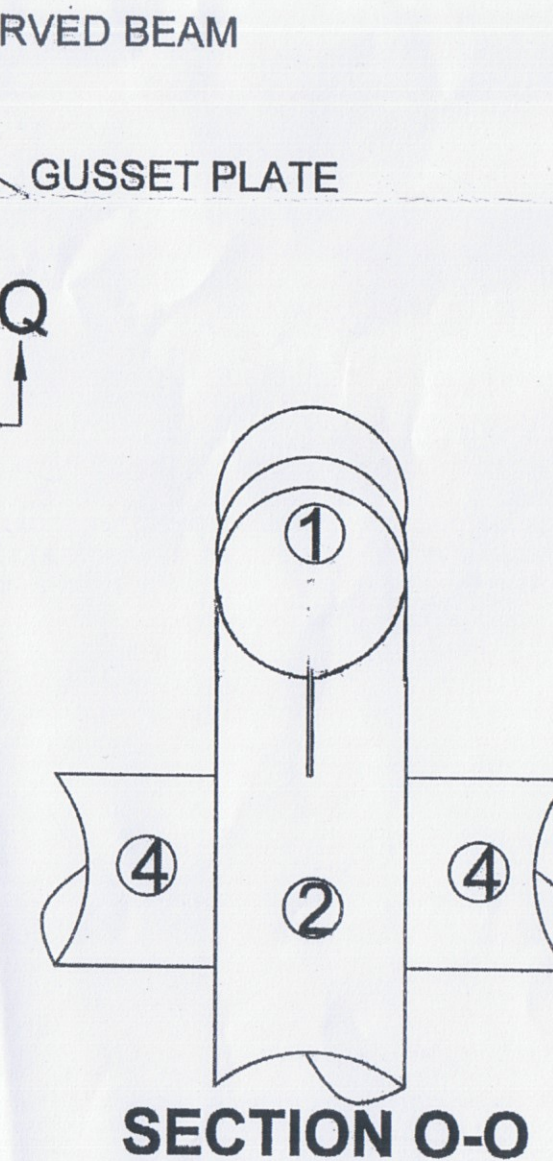
REINFORCEMENT DETAIL OF PEDESTAL (40 MM CLEAR COVER AT PADESTAL LOCATION)



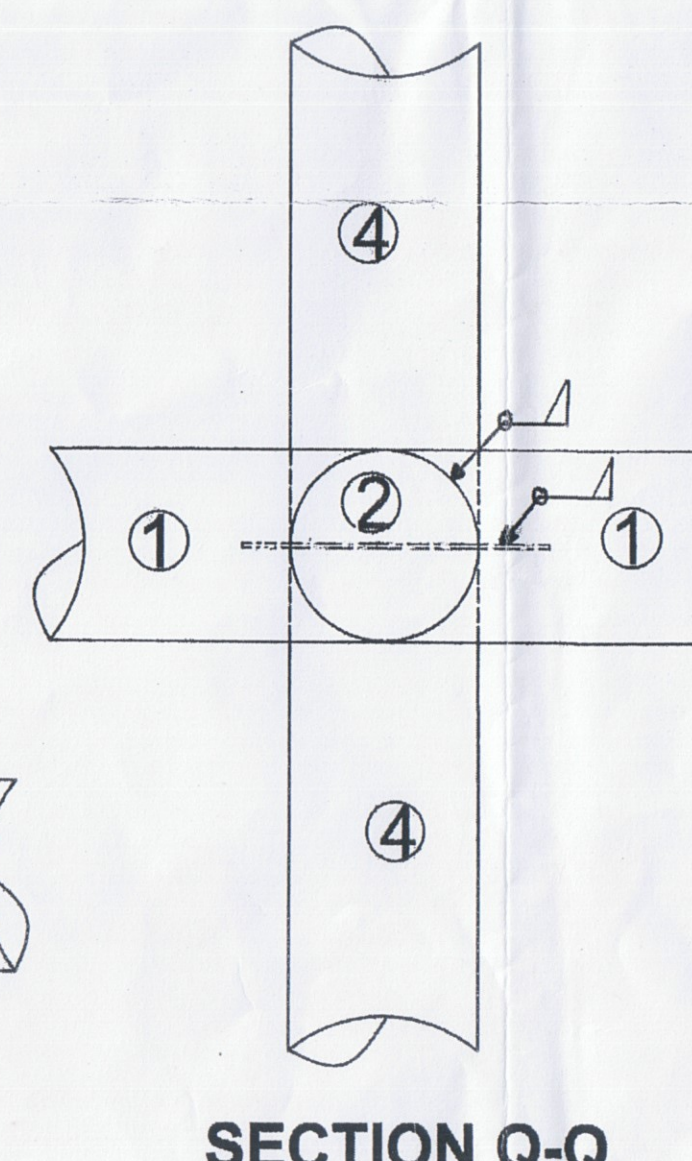
DETAIL AT C



DETAIL AT B



SECTION O-O



SECTION Q-Q

#### (HEAD QUARTER OFFICIALS)

DESIGNATION	SIGNATURE
CBE	RAJ 21/11/17
DY. CE / BR. / HQ	AD 07.11.12
AXEN / BD / II	HE 21/11/17
SSE/ BD	MA 21/11/17

#### NORTH CENTRAL RAILWAY HEAD QUARTER

#### STANDARD TYPE PLAN

#### STRUCTURAL DRAWING FOR ROOFING (TUBULAR) FOR L.H.S. APPROACHES

SCALE : NTS

NCR.HQ.E.PLAN NO.- NCR/ENGG./TYPE PLAN/BR/01-2017