



- NOTES**
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - THE DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING. ANY DISCREPANCY BETWEEN ARCH. DRAWING AND STRUCTURAL DRAWING SHALL BE RECONCILED BEFORE EXECUTION.
 - DULY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NEITHER THE BARS SHALL BE COUNTED NOR THE DIMENSION SCALED FROM DRAWINGS.
 - WATER FOR CONSTRUCTION PURPOSES SHALL CONFORM TO RELEVANT CLAUSES OF I.S. 456-2000.
 - BEARINGS FOR THE SLAB SHOULD BE PROVIDED FOR THE FULL WIDTH OF WALL UNLESS OTHERWISE SPECIFIED.
 - ALL REINFORCED CEMENT CONCRETE SHALL BE DESIGN MIX M-25 CONFORMING TO I.S.: 456-2000 STONE AGGREGATE SHALL BE 20 mm NOMINAL SIZE.
 - IN TWO WAY SLAB PLACE SHORT BARS IN BOTTOM LAYER.
 - ALL STEEL REINFORCEMENT SHALL BE OF TMT TYPE CONFORMING TO I.S.: 1786 AND HAVING MINIMUM YIELD STRENGTH OF 500N/mm²
 - LAP LENGTH/DEVELOPMENT LENGTH FOR REINFORCEMENT BARS AS/ I.S.: 456-2000 SHALL BE 40 X DIA OF BAR FOR M-25(UNLESS OTHERWISE SPECIFIED), LAPS SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT.
 - ALL BRICK IN THE MASONRY SHALL HAVE CHARACTERISTIC STRENGTH 7.5 N/mm² UNLESS OTHERWISE SPECIFIED AND LAID IN 1:6 (1 CEMENT : 6 SAND) MORTAR.
 - CLEAR COVER FOR:-
SLAB - 20mm
BEAM - 30mm
FOUNDATION - 50mm
COLUMNS - 40mm
 - LAP SHOULD NOT BE PROVIDED .
a) WITHIN A JOINT
b) WITHIN A DISTANCE 2 d FROM JOINT FACE.
c) WITHIN A DISTANCE 1/4 LENGTH OF MEMBER FROM THE JOINT FACE.
 - NOT MORE THAN 50% OF BAR SHALL BE SPLICED AT ONE SECTION.
 - THE REINFORCEMENT DETAILING SHALL BE AS PER IS: 13920.
 - CONSTRUCTION JOINT SHALL BE MADE VERTICAL BY PROPER TEMPLATE WITH SLOTS FOR ACCOMMODATING REINFORCEMENT BARS. THE JOINT SHALL BE TREATED IN ACCORDANCE WITH I.S 11817.
 - THE CONSTRUCTION JOINT SHALL BE PLANNED AND APPROVED BY THE ENGINEER IN CHARGE. BUT IT SHALL NOT BE PROVIDED IN BEAM.
 - EXPANSION JOINT SHALL BE AS PER DRAWING.
 - NET SAFE BEARING CAPACITY IS 13.0 T/M. AT 2.5 M FOR RAFT
 - BUILDING DESIGN FOR G+7 STORIES

REVISIONS

NO.	DESCRIPTION	DATE	BY

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PROJECT

**BUILDING FOR NATIONAL AEROSOL FACILITY
 & ACADEMIC ACTIVITES AT I.I.T KANPUR**

PROJECT NO.-	DRAWING NO. S-NN/06A
SCALE 1:100	DRAWN- SUNIL PORIYA
DATE :-22-03-2016	CHECKED-SHARAD GUPTA

DRAWING TITLE

Typical floor roof plan & Details 2