K.S. GROUP OF INSTITUTIONS

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT

15, Mallasandra, Near Vajarahalli, Off. Kanakapura Road, Bengaluru - 560 109.

KSSEM

K.S SCHOOL OF ENGINEERING AND MANAGEMENT

Laboratory Certificate

This is to certify that

Mr. / Ms. Pramod. S.

has satisfactorily completed the course of experiment in computer aided detailing & software *Laboratory. Code* 18CVL76

Prescribed by Visvesvaraya Technological University, Belagavi for the 7th *Semester B.E.* Civil *branch in this college during in the academic year 20*23 *- 20*24

Name of the Candidate : Pramod. S

USN : 1KG21CV410 Lab (with code) 18CVL76

Marks	
Maximum	Obtained
40	38

Signature of the Teacher

Date : 08.01.2024.

Head of the Department

Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions
K.S. School of Engineering & Management
Bangalore-560 109

Particulars of the Experiments Performed

CONTENTS

Expt. No.	Date	Title of the Experiment	Page No.	Marks Awarded	Remarks
01	5/10/23	Simply supported Beam	1	10	
02	25/11/23	Cantilever Beam	2	10	
03	09/11/23	Continuous Beam	3	10	
04	16/11/23	one way slab	4	10	
05	16/11/23	Two way slab	5	10	
6(A)	29/11/23	Beam to Beam connection	6	10	
6(B)	03/1/24	Beam to Beam connection welded.	7	10	
7(A)	03/1/24	Column to Beam connection	8	10	
7(A)	03/1/24	Column to Beam connection welded	9	10	
8)	03/01/23	Gusset Base.	10	10	
9	03/01/23	Gantry Girder	11	10	
10	07/12/23	Stair case.	12.	10	
11	3/1/24	Cantilever retaining wall	13	10	
12	3/1/24	Counter fort retaining wall	14	10	

K.S.GROUP OF INSTITUTIONS

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT

PRACTICAL EXAMINATION / PROJECT VIVA- VOCE

Course/Branch: Civil Engineering

University Seat Number: 1 K G 2 1 C V 4 1 0

Subject: Computer Aided detailing of structures

Subject Code: 1 8 C V L 7 6

Total number of supplements tied together: 1 + 2 = 3

Date: 0 8 0 1 2 0 2 4 (D D M M Y Y Y Y)

Pramod .S

Signature of the Candidate

Entries to be made by the examiners

SCHEME OF AWARDING MARKS

Practical Examination

a. Procedure & write up : 15% of Max. Marks

b. Conducting the practicals, Calculations, Graphs, Results, etc., : 70% of Max. Marks

c. Viva-voce : 15% of Max. Marks

Project viva -voce

a. Project Work : 40% of Max. Marks

b. Presentation : 30% of Max. Marks

c. Viva-voce : 30% of Max. Marks

Question Number	Marks Awarded			
	a	b	c	d
1				18
2				
3				
4				

Total Maximum Marks: 20 Total Marks obtained:

Marks awarded in words: Zero | One | Eight

Total Maximum Marks: Total Marks obtained:

Marks awarded in words:

Examiner I

Name : Nanendra M

Signature with Date : 8/1/24

Examiner II

Name :

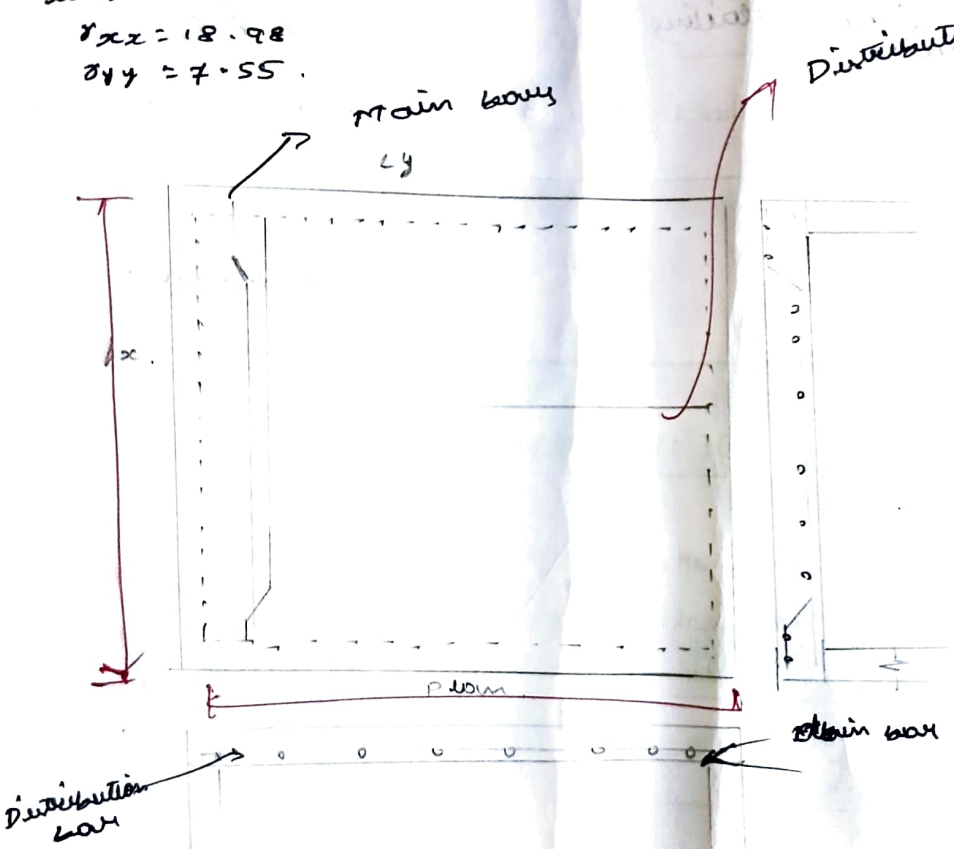
Signature with Date :

1. Slab dimension 4m x 10m, support size - 0.23m, Reinforcement 10mm ø @ 250 mm c/c - in short direction reinforcement 8mm ø @ 200mm c/c longer direction of slab = 125mm.

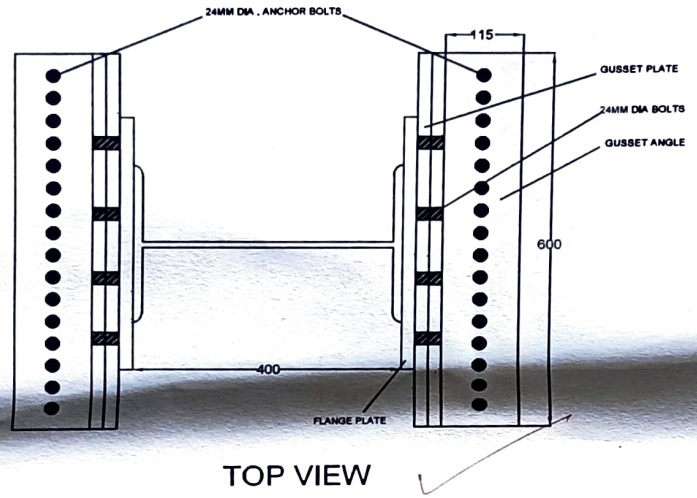
2. Gusset plate column ISHB 400 flange plate - 400x 400x mm Base plate dimension 750 x 600 x 50mm, ø24mm D @ 16 NO's bolts.

ISHB

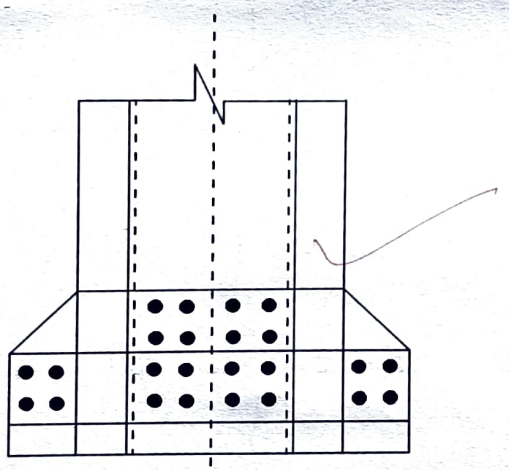
width = 320 mm
thick = 16
I_{xx} = 18.98
I_{yy} = 7.55.



GUSSETED BASE

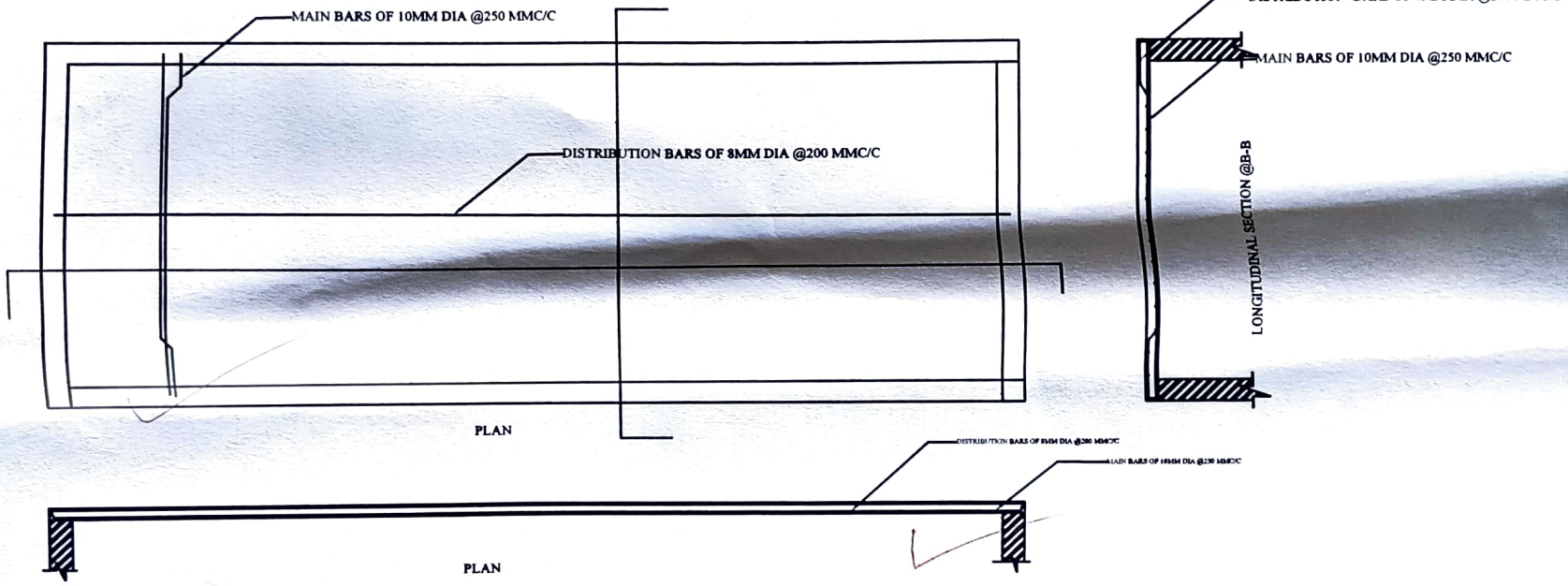


TOP VIEW



SIDE VIEW

GUSSETED BASE	
NAME	PRAMOD .S
USN	1KG21CV410
SCALE	1:100

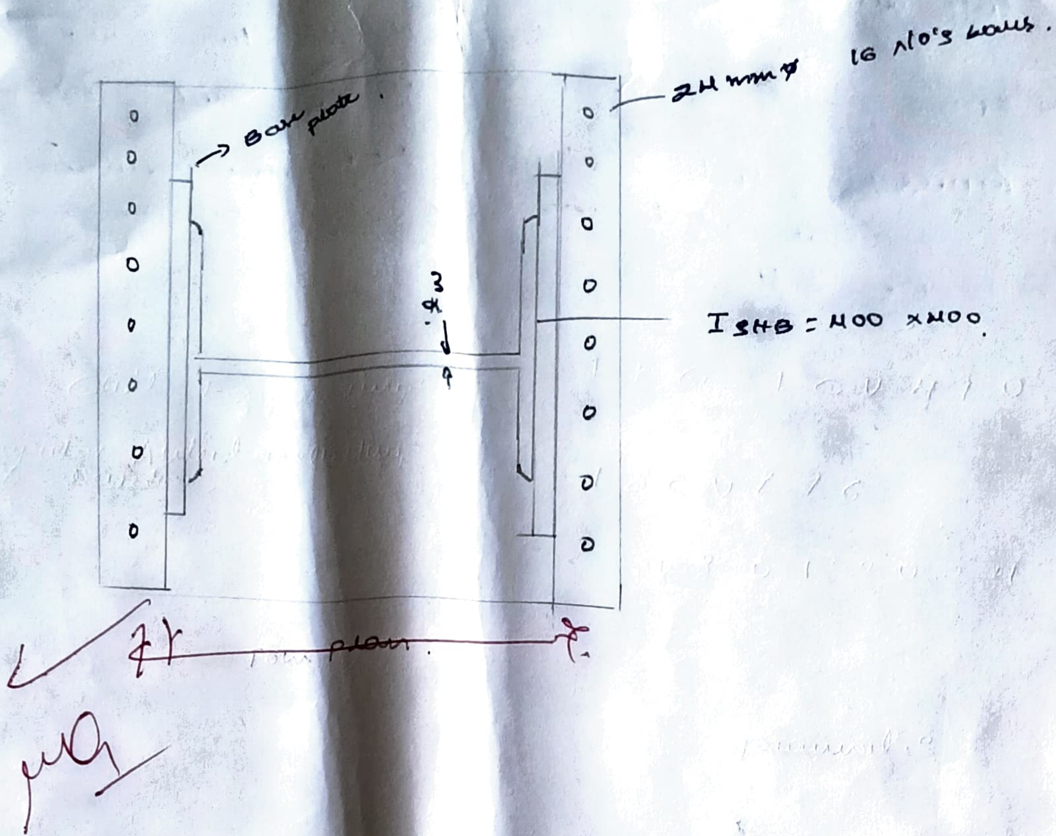


ONE WAY SLAB

NAME : PRAMOD S

USN : 1KG21CV410

SCALE : 1:100



Base plate.
24 mm φ
16 No's bolts.
ISHB = 400 x 400.