



CLEAR COVER TO BE PROVIDED TO MAIN REINFORCEMENT FOR CONCRETE	
BEAMS	50mm
SLABS	30mm
SCHEDULE OF CONCRETE GRADE	
SLABS & BEAMS	M30
SCHEDULE OF STEEL GRADE	
SLABS & BEAMS	FE-500D

Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
Y9
Y10
Y11
Y12
Y13
Y14
Y15
Y16
Y17
Y18
Y19
Y20
Y21
Y22
Y23
Y24
Y25
Y26
Y27
Y28
Y29
Y30
Y31
Y32
Y33
Y34
Y35
Y36
Y37
Y38
Y39
Y40

GOOD FOR CONSTRUCTION
26/10/2023

Joshi
JEK CONSULTING ENGINEERS
Joshi Pankaj S.E. (Civil)
Structure Engineer

Artech
Artech Engineering Solutions
Assistant MEPF Consultants

Kamlesh Parekh
KAMLESH PAREKH ARCHITECTS
Architect

Katira
Katira Construction Ltd.
EPC Contractor

Professor
Department of Civil Engineering
SVNIT Surat-395 007

T.J. Rites
T.J. RITES

DCE
DCE
Check & Found O.K.

REV.	DATE	DESCRIPTION	ISSUED BY	BY
R0	26/04/2023	STRUCTURAL LAYOUT AT PARKING TOP BEAM LVL (+0.70M)	JCE	JISHI PARIKH
R1	26/10/2023	STRUCTURAL LAYOUT AT PARKING TOP BEAM LVL (+0.70M)	JCE	JISHI PARIKH

PROJECT: **MAJOR UPGRADATION OF SOMNATH RAILWAY STATION, GUJARAT, BHAYNAGAR DIVISION, WESTERN RAILWAYS**

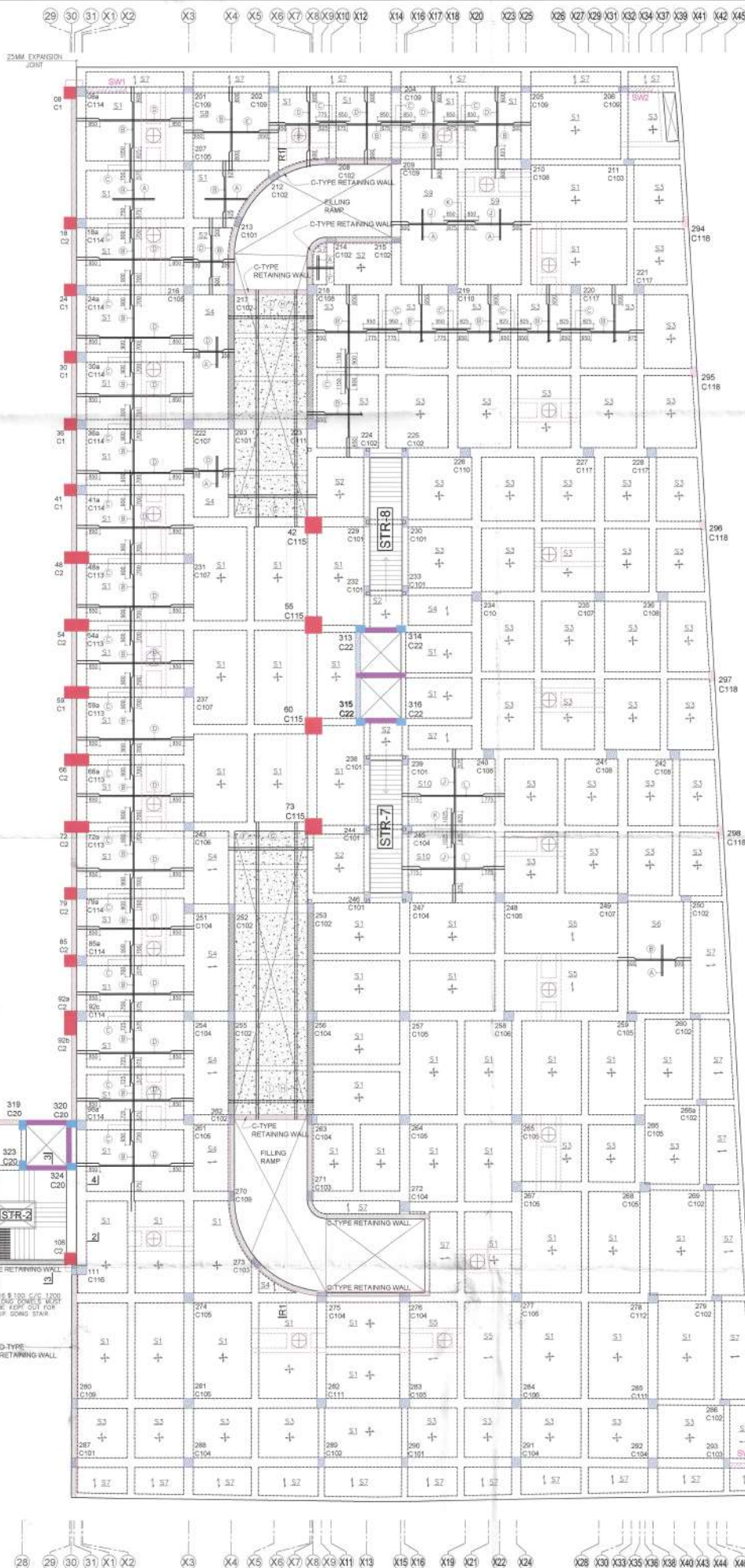
DRAWING TITLE: **STRUCTURAL LAYOUT AT PARKING TOP BEAM LVL. (+0.70M)**

DRAWING NO: **SMNH / S-11a**

ORIENTATION:

DATE: **26/10/2023**

STRUCTURAL LAYOUT AT PARKING TOP BEAM (+0.70 METER) LEVEL.
ALL R.C.C. SLAB 175 THICK, TRIMIX CONCRETE FLOORING (Finished with the combination of broom & smooth Finish)
CUT-OUT RAMP PROFILE BEAM & SLAB COLUMN & UT WALL SHOWN
THUS SHALL NOT PROCEED FURTHER
REINFORCEMENT DETAILING OF CURVED AND INCLINED BEAMS SHOULD BE DONE AS PER SP 34 & IS 13920



NOTES:

SCHEDULE OF SLAB REINFORCEMENT.

A	8# 175 C/C DISTRIBUTION STEEL
B	10# 100 C/C ALT BENT UP AT BOTTOM
C	10# 200 C/C EXTRA AT TOP
D	10# 150 C/C ALT BENT UP AT BOTTOM
E	10# 125 C/C ALT BENT UP AT BOTTOM
F	10# 150 C/C STRAIGHT BAR @ TOP
G	10# 100 C/C STRAIGHT BAR @ TOP
H	12# 150 C/C STRAIGHT BAR @ BOTTOM
I	12# 100 C/C STRAIGHT BAR @ BOTTOM
J	12# 100 C/C ALT BENT UP AT BOTTOM
K	12# 200 C/C EXTRA AT TOP
L	12# 150 C/C ALT BENT UP AT BOTTOM
→	INDICATE SLAB MAIN REINFORCEMENT DIRECTION
↗	INDICATE SLAB MAIN REINFORCEMENT DIRECTION

CLEAR COVER TO BE PROVIDED TO MAIN REINFORCEMENT FOR CONCRETE

BEAMS	50mm
SLABS	30mm

SCHEDULE OF CONCRETE GRADE

SLABS & BEAMS	M30
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SCHEDULE OF STEEL GRADE

SLABS & BEAMS	FE-500D
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GOOD FOR CONSTRUCTION
26/10/2023

Jyoti Parikh
Jyoti Parikh
S.E. (CIVIL)
ARCHITECT

Mrs. Jhanavi Consulting Engineers
Structure Engineer

Mrs. Kamlesh Parikh Architect
Design Director / Architect

Atch
Atch
ENGINEERING
SOLUTIONS

Mrs. Atch Engineering Solutions
Assistant MEPF Consultants

Mrs. Ketra Construction Ltd.
EPC Contractor

Dr. Rites
Dr. Rites
Professor
Department of Civil Engineering
S.K.N.I.T. Surat-395 007

Dr. Rites
Dr. Rites
DCE
Check & Found O.K.

PEER REVIEWER-1

PEER REVIEWER-2

REV. DATE	DESCRIPTION	ISSUED BY	BY
R0 26/04/2023	STRUCTURAL LAYOUT AT PARKING TOP SLAB LVL. (+0.70M)	JCE	JIGISH PARIKH
R1 26/10/2023	STRUCTURAL LAYOUT AT PARKING TOP SLAB LVL. (+0.70M)	JCE	JIGISH PARIKH

PROJECT: MAJOR UPGRADATION OF SOMNATH RAILWAY STATION, GUJARAT, BHAVNAGAR DIVISION, WESTERN RAILWAYS

DRAWING TITLE: STRUCTURAL LAYOUT AT PARKING TOP SLAB LVL. (+0.70M)

DRAWING NO: SMNH / S-11b

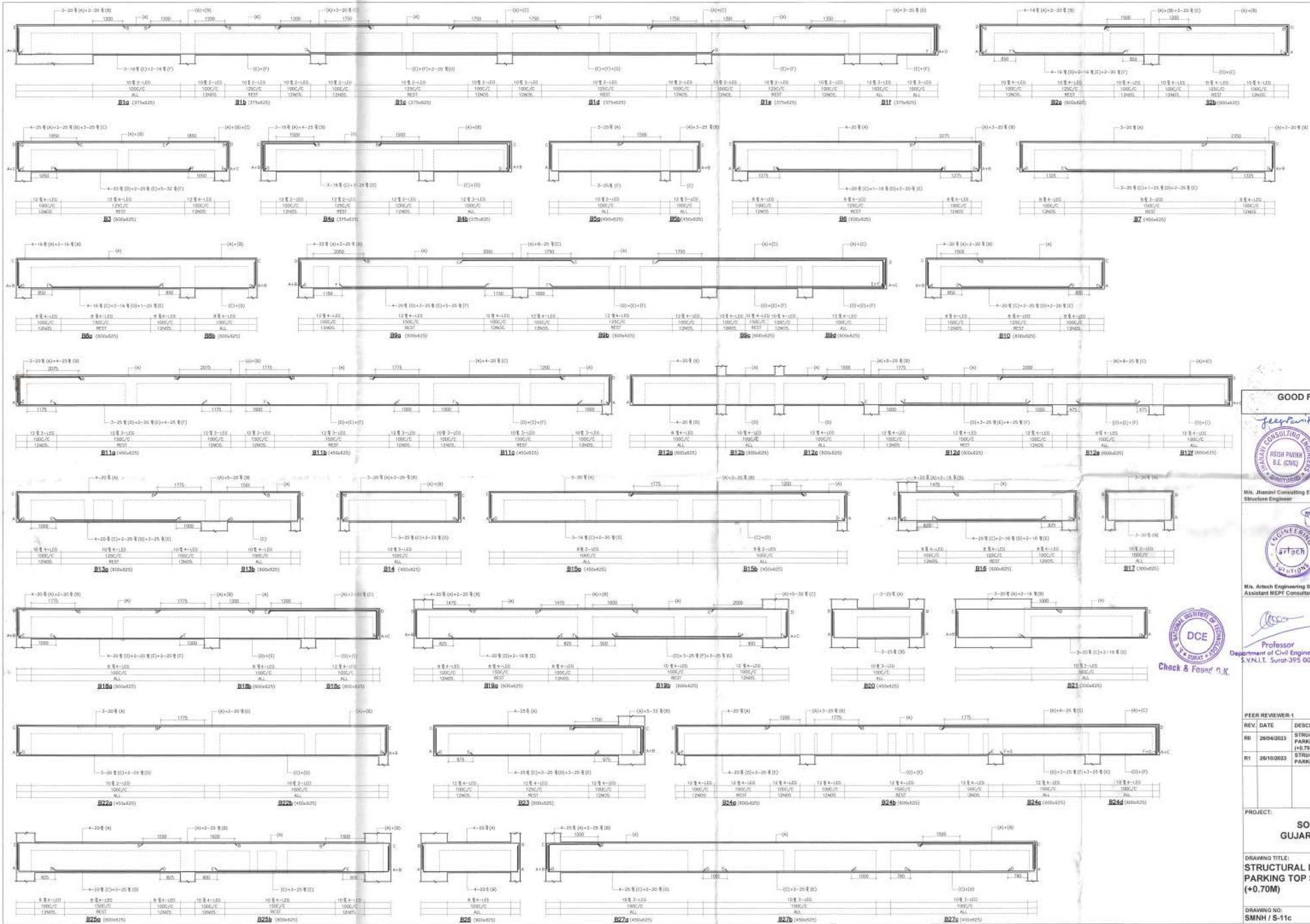
DATE: 26/10/2023

STRUCTURAL LAYOUT AT PARKING TOP SLAB (+0.70 METER) LEVEL

ALL R.C.C. SLAB 175 THICK, TRIMIX CONCRETE FLOORING (Finished with the combination of broom & smooth Finish)

CUT-OUT RAMP PROFILE BEAM & SLAB COLUMN & R.C.C. WALL SHOWN THUS SHALL NOT PROCEED FURTHER

REINFORCEMENT DETAILING OF CURVED AND INCLINED BEAMS SHOULD BE DONE AS PER SP 34 & IS 13920



GOOD FOR CONSTRUCTION
26/10/2023



M/s. Jhansi Consulting Engineers
Structural Engineer

M/s. Kankesh Parekh Architect
Design Director / Architect



M/s. Artech Engineering Solutions
Associate NERF Consultants

M/s. Kakra Construction Ltd.
ERPC Contractor

Professor
Department of Civil Engineering
S.V.N.I.T. Surat-395 007

08.12.23



Check & Found O.K.

PEER REVIEWER-1		PEER REVIEWER-2	
REV.	DATE	DESCRIPTION	ISSUED BY
R0	26/04/2023	STRUCTURAL DETAILS-1 AT PARKING TOP SLAB LVL. (+0.70M)	JCE/SH PARISH
R1	26/10/2023	STRUCTURAL DETAILS-1 AT PARKING TOP SLAB LVL. (+0.70M)	JCE/SH PARISH

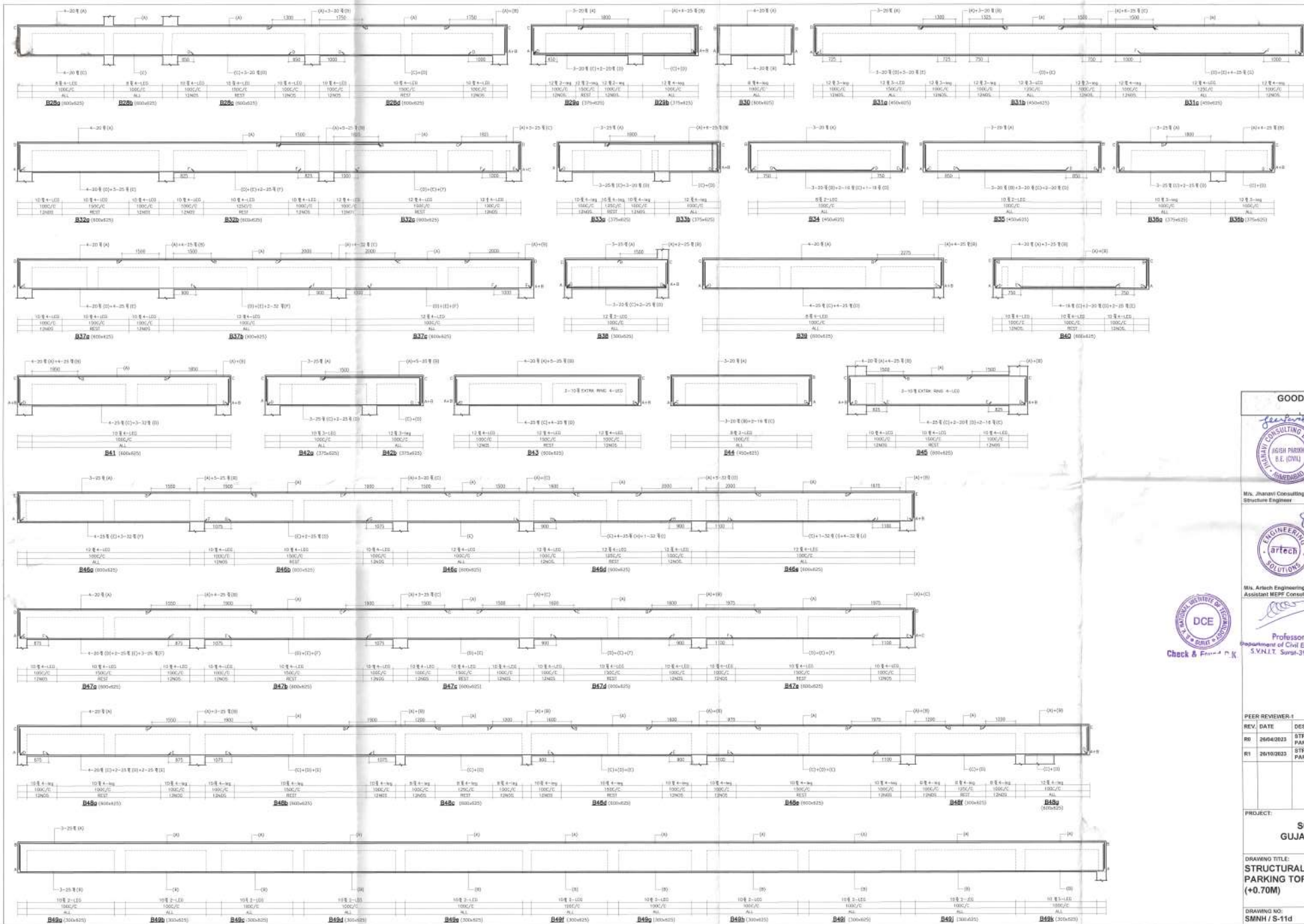
PROJECT: MAJOR UPGRADATION OF SOMNATH RAILWAY STATION, GUJARAT, BHAVNAGAR DIVISION, WESTERN RAILWAYS

DRAWING TITLE: STRUCTURAL DETAILS-1 AT PARKING TOP SLAB LVL. (+0.70M)

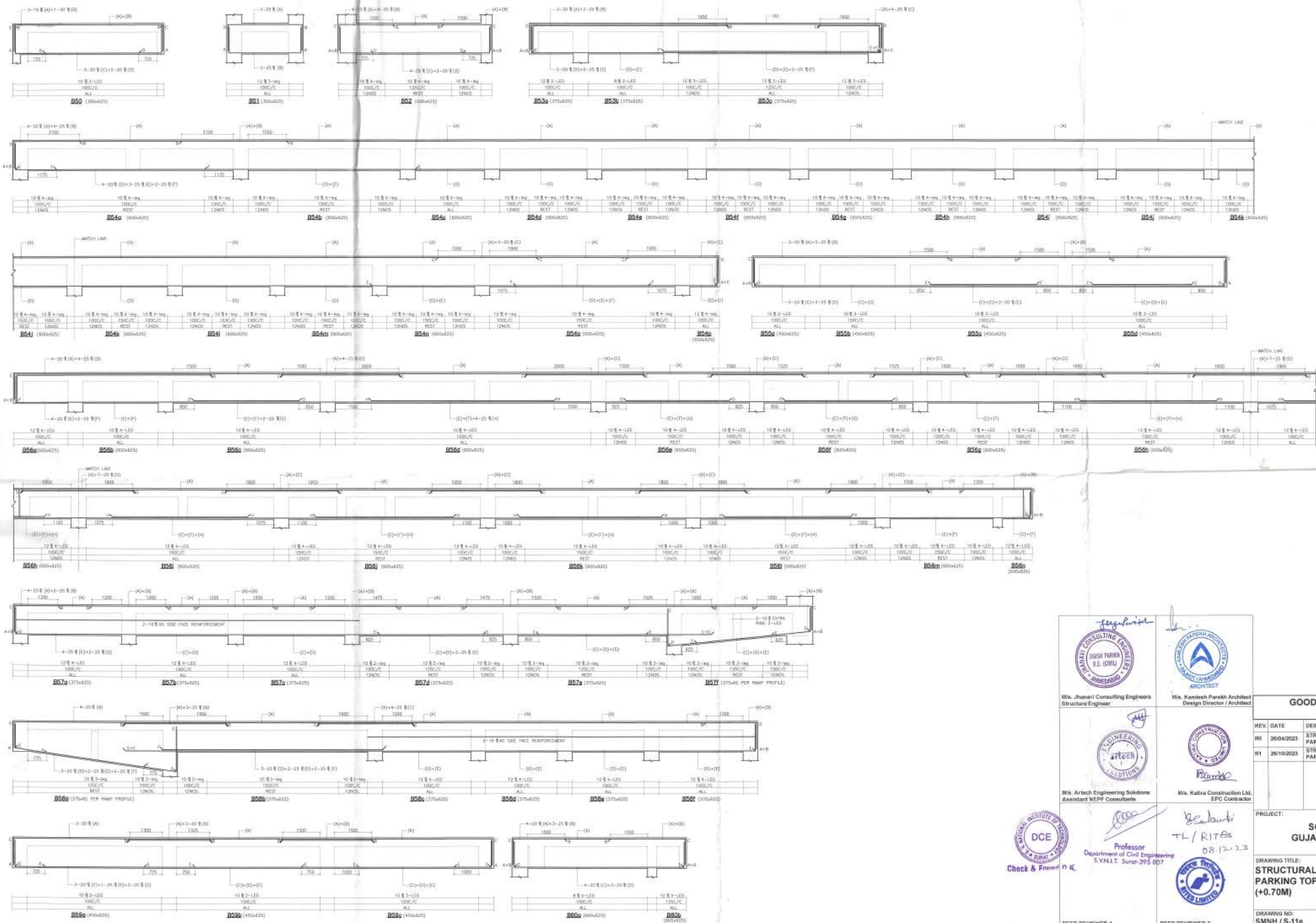
DRAWING NO: SMNH / S-11c



DATE: 26/10/2023



GOOD FOR CONSTRUCTION 26/10/2023			
  Mr. Jharavi Consulting Engineers Structure Engineer		  Mr. Kamlesh Parash Architect Design Director / Architect	
 Mr. Artech Engineering Solutions Assistant MEPF Consultants		 Mr. Kutra Construction Ltd EPC Contractor	
 Professor Department of Civil Engineering SVNIT, Surat-395 007		 T.R. RITES 08.12.23 	
PEER REVIEWER-1		PEER REVIEWER-2	
REV. DATE	DESCRIPTION	ISSUED BY	BY
R0 26/04/2023	STRUCTURAL DETAILS-S-2 AT PARKING TOP SLAB LVL. (+0.70M)	JCE	JOSH PARIKH
R1 26/10/2023	STRUCTURAL DETAILS-S-2 AT PARKING TOP SLAB LVL. (+0.70M)	JCE	JOSH PARIKH
PROJECT: MAJOR UPGRADATION OF SOMNATH RAILWAY STATION, GUJARAT, BHAYNAGAR DIVISION, WESTERN RAILWAYS			
DRAWING TITLE: STRUCTURAL DETAILS-2 AT PARKING TOP SLAB LVL. (+0.70M)		ORIENTATION: N 	
DRAWING NO: SMNH / S-11d		DATE: 26/10/2023	



GOOD FOR CONSTRUCTION
26/10/2023

REV	DATE	DESCRIPTION	ISSUED BY	BY
R0	26/04/2023	STRUCTURAL DETAILS-3 AT PARKING TOP SLAB LVL (+0.70M)	JCE	JGISH PARIKH
R1	26/10/2023	STRUCTURAL DETAILS-3 AT PARKING TOP SLAB LVL (+0.70M)	JCE	JGISH PARIKH

PROJECT: MAJOR UPGRADATION OF SOMNATH RAILWAY STATION, GUJARAT, BHAVNAGAR DIVISION, WESTERN RAILWAYS

DRAWING TITLE: STRUCTURAL DETAILS-3 AT PARKING TOP SLAB LVL. (+0.70M)

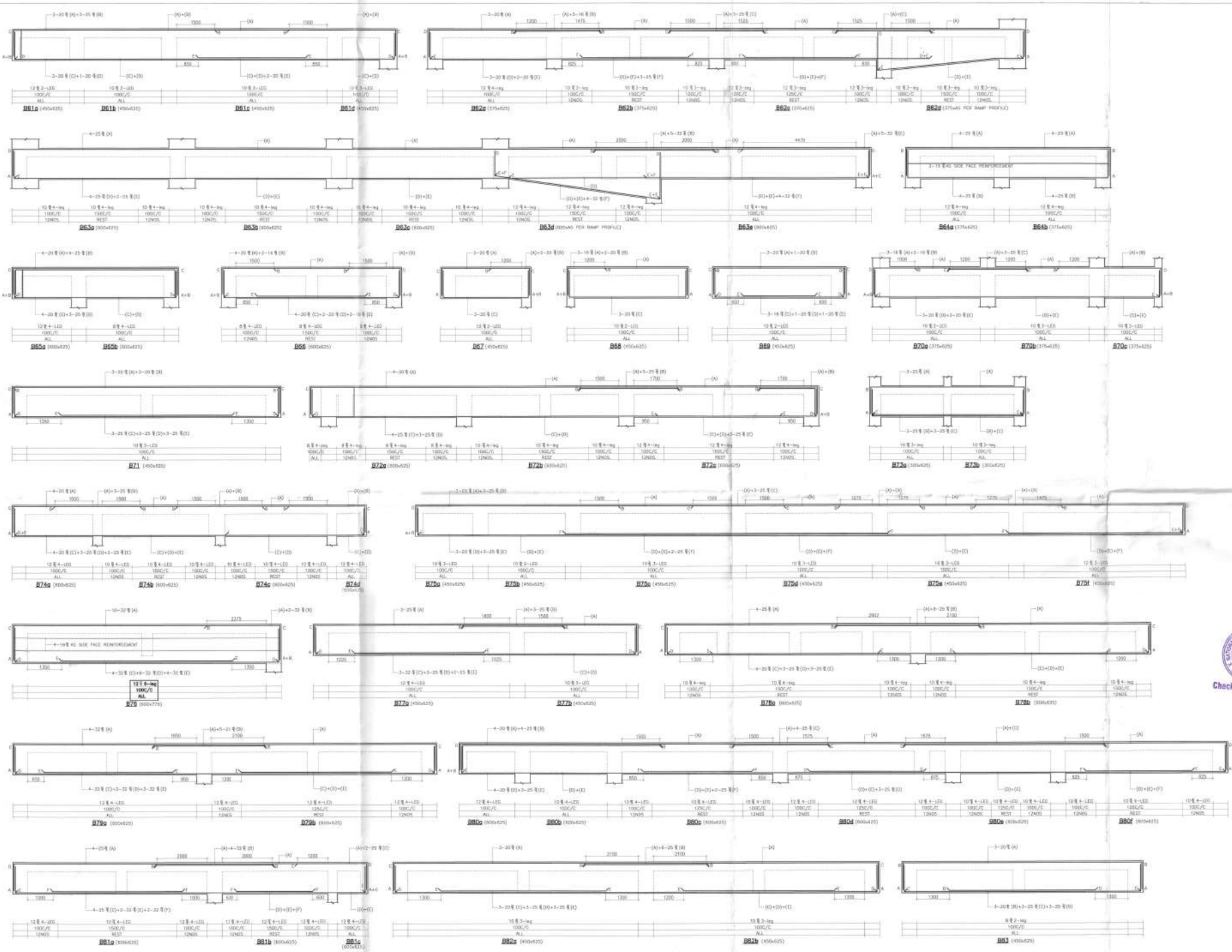
DRAWING NO: SMNH / S-11e

DATE: 26/10/2023

MAJOR UPGRADATION OF SOMNATH RAILWAY STATION, GUJARAT, BHAVNAGAR DIVISION, WESTERN RAILWAYS

STRUCTURAL DETAILS-3 AT PARKING TOP SLAB LVL. (+0.70M)

DATE: 26/10/2023



GOOD FOR CONSTRUCTION
 26/10/2023

Mrs. Jyoti Consulting Engineers
Structure Engineer

Mrs. Kamlesh Parikh Architects
Design Director / Architect

Mrs. Artech Engineering Solutions
Assistant MEPF Consultants

Mrs. Katre Construction Ltd.
EPC Contractor

Professor
Department of Civil Engineering
S.V.N.I.T. Surat-395 007

Dr. J. J. 22

Check & Found O.K.

PEER REVIEWER-1		PEER REVIEWER-2	
REV.	DATE	DESCRIPTION	BY
R0	26/04/2023	STRUCTURAL DETAILS-4 AT PARKING TOP SLAB LVL. (+0.70M)	JCE / JGSH4
R1	26/10/2023	STRUCTURAL DETAILS-4 AT PARKING TOP SLAB LVL. (+0.70M)	JCE / JGSH4

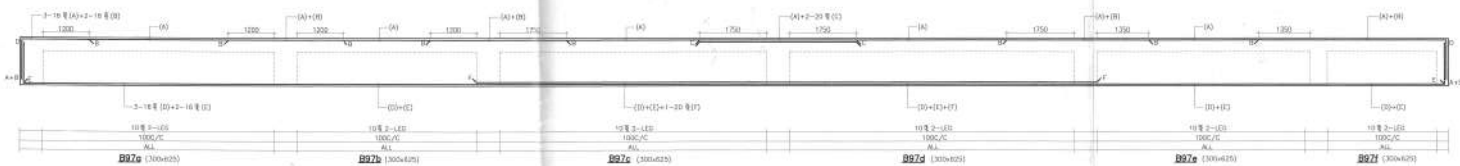
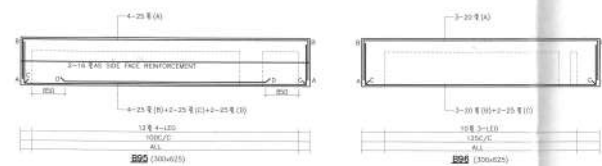
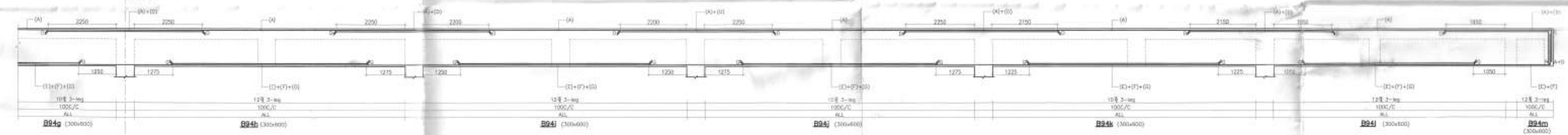
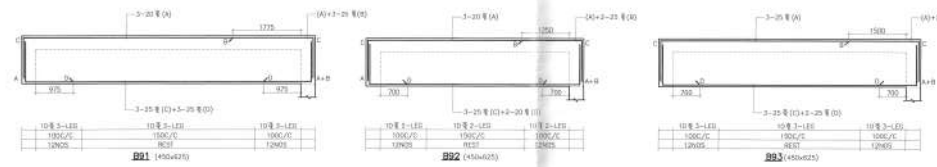
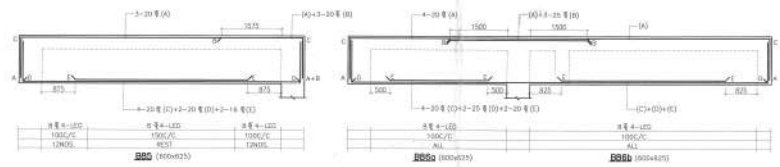
PROJECT: **MAJOR UPGRADATION OF SOMNATH RAILWAY STATION, GUJARAT, BHAVNAGAR DIVISION, WESTERN RAILWAYS**

DRAWING TITLE: **STRUCTURAL DETAILS-4 AT PARKING TOP SLAB LVL. (+0.70M)**

DRAWING NO: **SMNH / S-11f**

ORIENTATION:

DATE: **26/10/2023**



 <i>Jagan</i> Mrs. Jhansir Consulting Engineers Structure Engineer	 <i>Anshul</i> Mrs. Anshul Parekh Architect Design Director / Architect	GOOD FOR CONSTRUCTION 26/10/2023			
 M/s. Artech Engineering Solutions Assistant MEP Consultants	 <i>Katria</i> M/s. Katria Construction Ltd EPC Contractor	REV. DATE DESCRIPTION	ISSUED BY	BY	DATE
 <i>Professor</i> Department of Civil Engineering S.V.M.I.T. Surat-395 007	 <i>T.V. RITEZ</i> D.S. 12.23	R1 26/10/2023	STRUCTURAL DETAILS-5 AT PARKING TOP SLAB (LVL.±0.70M)	JCE	JCE
Check & Found D.K.		PROJECT: MAJOR UPGRADATION OF SOMNATH RAILWAY STATION, GUJJARAT, BHAVNAGAR DIVISION, WESTERN RAILWAYS			
PEER REVIEWER-1		PEER REVIEWER-2			

