SCHEDULE OF BEAM

BEAM MARK	SIZE	SECTION @ MIDSPAN	SECTION @ SUPPORT
B1, B11.	9"X15"	2-12# Top st 8# AT 7"C/C 1-16# Bot cur 2-16# Bot st	2-12# Top st 2-16#Top extra 8# AT 6"C/C 2-16# Bot st
B2	9"X12"	2-12# Top st 8# AT 7"C/C 1-12# Bot cur 2-12# Bot st	2-12# Top st 1-12#Top extra 8# AT 6"C/C 2-12# Bot st
B3, B12.	9"X15"	2-12# Top st 8# AT 7"C/C 2-12# Bot st	2-12# Top st 8# AT 6"C/C 2-12# Bot st
B5	9"X15"	2-12# Top st 8# AT 7"C/C 2-16# Bot st	2-12# Top st 1-16#Top extra 8# AT 6"C/C 2-16# Bot st
B6	9"X18"	2-12# Top st 8# AT 5"C/C 2-16# Bot st	2-12# Top st 1-16# Top extra 8# AT 4"C/C 2-16# Bot st
B7	9"X12"	2-12# Top st 8# AT 7"C/C 2-12# Bot st	2-12# Top st 8# AT 7"C/C 2-12# Bot st
B8	9"X18"	2-12# Top st 8# AT 6"C/C 1-16# Bot cur 2-16# Bot st	2-12# Top st 2-16# Top extra 8# AT 5"C/C 2-16# Bot st
B9, B13, B15.	9"X21"	2-12# Top st 8# AT 5"C/C 2-16# Bot cur 3-16# Bot st	2-12# Top st 4-16# Top extra 8# AT 4"C/C 3-16# Bot st
B10	9"X21"	2-12# Top st 8# AT 5"C/C 2-16# Bot cur 3-16# Bot st	2-12# Top st 3-16# Top extra 8# AT 4"C/C 3-16# Bot st
B14	9"X12"	2-12# Top st 8# AT 7"C/C 1-12# Bot cur 2-12# Bot st	2-12# Top st 1-12# Top extra 8# AT 7"C/C 2-12# Bot st
B16, B17.	9"X15"	2-12# Top st 8# AT 6"C/C 2-12# Bot cur 2-16# Bot st	2-12# Top st 2-16# Top extra 8# AT 5"C/C 2-16# Bot st
B18	9"X21"	2-12# Top st 8# AT 5"C/C 2-12# Bot cur 2-16# Bot st	2-12# Top st 2-16# Top extra 8# AT 4"C/C 2-16# Bot st
B19	9"X21"	2-12# Top st 8# AT 5"C/C 2-16# Bot cur 3-16# Bot st	2-12# Top st 3-16# Top extra 8# AT 4"C/C 3-16# Bot st
B20	9"X18"	2-12# Top st 8# AT 6"C/C 2-12# Bot cur 2-16# Bot st	2-12# Top st 2-16# Top extra 8# AT 5"C/C 2-16# Bot st
B22	9"X21"	2-16# Top st 8# AT 5"C/C 2-16# Bot cur 2-20# Bot st	2-16# Top st 2-20+1-16# Top extra 8# AT 4"C/C 2-16# Bot st
B23	9"X24"	2-16# Top st 8# AT 5"C/C 2-16# Bot st	2-16# Top st 8# AT 4"C/C 2-16# Bot st
B24	9"X18"	3-16# Top st 8# AT 6"C/C 2-12# Bot st	3-16# Top st 8# AT 5"C/C 2-12# Bot st

SCHEDULE OF CANTILEVER BEAM

BEAM MARK	SIZE	SECTION @ SUPPORT	SECTION @ FREE END
CB1	9"X15"	2-12+2-16# Top st 8# AT 6"C/C 2-16# Bot st	2-12+2-16# Top st 8# AT 6"C/C 2-16# Bot st
CB2	9"X12"	3-12# Top st 8# AT 6"C/C 2-12# Bot st	3-12# Top st 8# AT 6"C/C 2-12# Bot st
CB3, CB5, CB12.	9"X15"	3-12+1-16# Top st 8# AT 6"C/C 2-12# Bot st	3-12+1-16# Top st 8# AT 6"C/C 2-12# Bot st
CB6, CB10.	9"X18"	2-12+1-16# Top st 8# AT 5"C/C 2-12# Bot st	2-12+1-16# Top st 8# AT 6"C/C 2-12# Bot st
CB7	9"X12"	2-12+1-16# Top st 8# AT 6"C/C 2-12# Bot st	2-12+1-16# Top st 8# AT 6"C/C 2-12# Bot st
CB8	9"X18"	2-12+1-16# Top st 8# AT 5"C/C 2-16# Bot st	2-12+1-16# Top st 8# AT 6"C/C 2-16# Bot st
CB13	9"X21"	2-12+3-16# Top st 8# AT 4"C/C 2-16# Bot st	2-12+3-16# Top st 8# AT 5"C/C 2-16# Bot st
CB14	9"X12"	3-12# Top st 8# AT 6"C/C 2-12# Bot st	3-12# Top st 8# AT 7"C/C 2-12# Bot st
CB19	9"X18"	2-12+3-16# Top st 8# AT 5"C/C 2-12# Bot st	2-12+3-16# Top st 8# AT 6"C/C 2-12# Bot st
CB20	9"X18"	2-12+2-16# Top st 8# AT 5"C/C 2-16# Bot st	2-12+2-16# Top st 8# AT 5"C/C 2-16# Bot st
CB22	9"X18"	3-16# Top st 8# AT 5"C/C 2-12# Bot st	2-16# Top st 8# AT 5"C/C 2-12# Bot st
CB23	9"X24"	4-20+2-16# Top st 8# AT 4"C/C 4-16# Bot st	4-20+2-16# Top st 8# AT 5"C/C 4-16# Bot st
CB24	9"X18"	3-16# Top st 8# AT 6"C/C 2-12# Bot st	3-16# Top st 8# AT 6"C/C 2-12# Bot st

SCHEDULE OF SLABS

SLAB MARK	THK OF SLAB	SHORT SPAN REINFORCEMENT		LONG SPAN REINFORCEMENT		REMARKS
		@ mid span	@ support	@ mid span	@ support	
S1	5"	8#AT7"C/C	8#AT14"C/C	8#AT8"C/C	---	ONE WAY
S2	5"	10#AT7"C/C	10#AT14"C/C	8#AT8"C/C	---	ONE WAY
S3	6"	10#AT7"C/C	10#AT14"C/C	10#AT7"C/C	10#AT14"C/C	TWO WAY
S4	5"	10#AT5"C/C	10#AT10"C/C	8#AT8"C/C	---	ONE WAY
CS1	5"	---	10/8#AT7"C/C	8#AT8"C/C	---	CANTILEVER
CS2	5"	---	10#AT7"C/C	8#AT8"C/C	---	CANTILEVER
CS3	6"	---	10#AT7"C/C	8#AT8"C/C	---	CANTILEVER
CS4	5"	---	10/8#AT5"C/C	8#AT8"C/C	---	CANTILEVER

DETAILS OF CONCEALED BEAM

COLUMN MARK	SIZE	REINFORCEMENT DETAILS
CNB	6"X5"	4-10# 8#@7"C/C
CNB1	9"X5"	4-12# 8#@6"C/C

DETAILS OF FLOATING COLUMN

COLUMN MARK	SIZE	REINFORCEMENT DETAILS
FC	9"X24"	12-20# 8#@6"C/C Alt d/b

NOTES:

1. Contractor to check all the dimensions on site.
2. Any discrepencey in drg or on the site should be brought to the notice of Structural Engineer & Architect immediately.
3. Do not scale the drawing follow written dimensions.
4. Grade of concrete : M20
   Grade of steel : Fe500
5. Cover for beams : 1"
   Cover for slab : 0.75"
6. Design of centering, shuttering & concrete mix is the responsibility of contractor.
7. Span steel curtailed at 0.15L
   Tension steel is for 0.25L
8. Before Pouring the concrete for any structural elements,it should be checked by competent authority and it should be certified.
9. Top bars of all cantilever beams to be extended in the supporting beam for cantilever lenght.
10. 9" BBM work to be taken above the beams. All internal walls 4.5" BBM.
11. Lapping or Anchorage length for
    a) beam and slab = 60 times dia
    b) column = 50 times dia

NOTE: B - BEAM
S - SLAB
CB- Cantilever Beam
CS - Cantilever Slab
CNB - Concealed beam
FC - Floating Column

Bot st- Bottom Straight
Bot cur- Bottom curtailment
Top st- Top Straight
Top extra

TITLE:	THIRD FLOOR SLAB & BEAM (TERRACE)
Project:	PROPOSED CONSTRUCTION OF SEWAKRAM AMANTRA FOR SWEKARAM REALITY AT BHAVANI NAGAR, HUBLI.
Client:	SEWAKRAM REALTY
Arch./Engg.:	Er. KARAN AGARWAL
Drawing No.:	SR14 Scale: NTS Date: 08/05/2019
Designed By:	AHP
Drawn By:	SKK
Released for:	CONSTRUCTION

CONSULTING ENGINEERS

A. H. PATEL

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