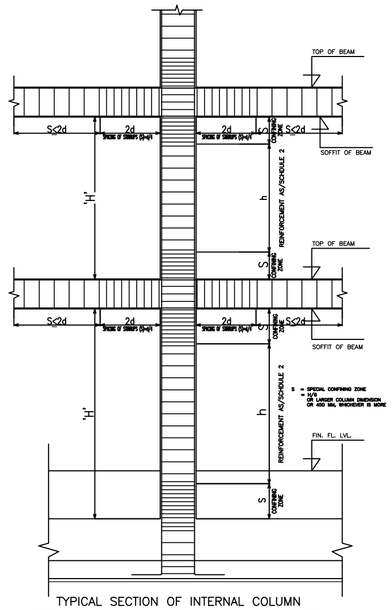
COLUMN SCHEDULE-1

		C1 & C1A	C2 & C2A	C3	C4	C5 & C5A	C6	C7	C8	C9
FOURTH FLOOR TO TERRACE	COL. SIZE	600x600			300x750	600x600			400x750	
	CONC. GRADE	M20			M20	M20			M20	
	MAIN REINF.	•20-16ϕ			•4-16ϕ + •12-20ϕ	•16-25ϕ + •4-20ϕ			•16-20ϕ	
	TIES	Ref.sch-2			Ref.sch-2	Ref.sch-2			Ref.sch-2	
THIRD FLOOR TO FOURTH FLOOR	COL. SIZE	600x600	600x600	600x600	300x750	600x600	600x600	600x600	400x750	750x750
	CONC. GRADE	M20	M20	M20	M20	M20	M20	M20	M20	M20
	MAIN REINF.	•20-16ϕ	•20-20ϕ	•4-25ϕ + •16-20ϕ	•4-16ϕ + •12-20ϕ	•16-25ϕ + •4-20ϕ	•20-25ϕ	•24-25ϕ	•16-20ϕ	•20-20ϕ
	TIES	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2
SECOND FLOOR TO THIRD FLOOR	COL. SIZE	600x600	600x600	600x600	300x750	600x600	600x600	600x600	400x750	750x750
	CONC. GRADE	M20	M20	M20	M20	M20	M20	M20	M20	M20
	MAIN REINF.	•20-16ϕ	•20-20ϕ	•4-25ϕ + •16-20ϕ	•4-16ϕ + •12-20ϕ	•16-25ϕ + •4-20ϕ	•20-25ϕ	•24-25ϕ	•16-20ϕ	•20-20ϕ
	TIES	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2
FRIST FLOOR TO SECOND FLOOR	COL. SIZE	600x600	600x600	600x600	300x750	600x600	600x600	600x600	400x750	750x750
	CONC. GRADE	M20	M20	M20	M20	M20	M20	M20	M20	M20
	MAIN REINF.	•20-16ϕ	•20-20ϕ	•4-25ϕ + •16-20ϕ	•4-16ϕ + •12-20ϕ	•16-25ϕ + •4-20ϕ	•20-25ϕ	•24-25ϕ	•16-20ϕ	•20-20ϕ
	TIES	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2
GROUND FLOOR TO FIRST FLOOR	COL. SIZE	600x600	600x600	600x600	300x750	600x600	600x600	600x600	400x750	750x750
	CONC. GRADE	M20	M20	M20	M20	M20	M20	M20	M20	M20
	MAIN REINF.	•20-16ϕ	•20-20ϕ	•4-25ϕ + •16-20ϕ	•4-16ϕ + •12-20ϕ	•16-25ϕ + •4-20ϕ	•20-25ϕ	•24-25ϕ	•16-20ϕ	•20-20ϕ
	TIES	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2
FOUNDATION TO GROUND FLOOR.	COL. SIZE	600x600	600x600	600x600	300x750	600x600	600x600	600x600	400x750	750x750
	CONC. GRADE	M20	M20	M20	M20	M20	M20	M20	M20	M20
	MAIN REINF.	•20-16ϕ	•20-20ϕ	•4-25ϕ + •16-20ϕ	•4-16ϕ + •12-20ϕ	•16-25ϕ + •4-20ϕ	•20-25ϕ	•24-25ϕ	•16-20ϕ	•20-20ϕ
	TIES	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2	Ref.sch-2



TYPICAL SECTION OF INTERNAL COLUMN
SHOWING DUCTILITY DETAILING AS PAR IS:13920
FIGURE-1

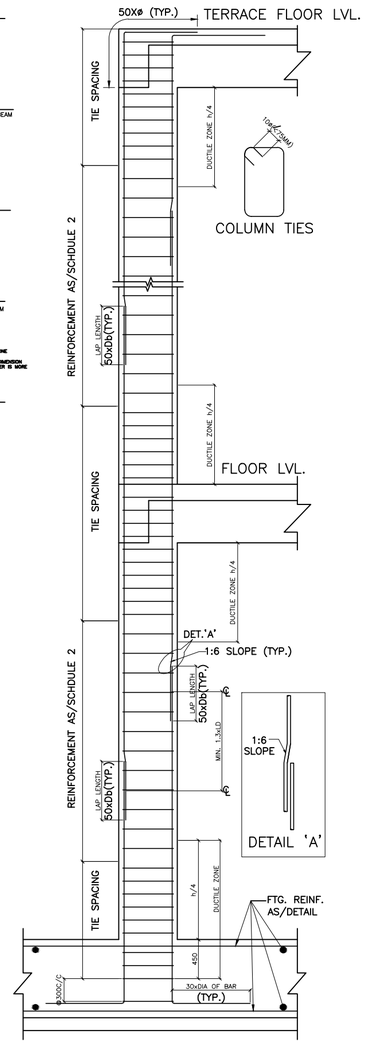


FIGURE-02
TYP. COLUMN SPLICING DETAIL

COLUMN SCHEDULE-2
(FOR COLUMN TIES REF. FIG.1)

COLUMN MARK	CONCRETE GRADE-M25	
	S	h
C1 TO C7	8#@100c/c	8#@300c/c

SPECIAL NOTES:-
IT HAS TO BE IMPLEMENTED BY PROVIDING LAP OF REDUCED BAR WITH EXISTING BAR WITHIN MILD-HEIGHT OF THE COLUMN OF RELEVANT FLOOR

TABLE -1 :
LAP LENGTH : REINF. SPLICE IN TENSION
Fe 500 GRADE STEEL

CONCRETE GRADE	IS-456 criteria	SPLICE LENGTH, Ld (mm) (BEAMS, SLAB, RAFT) + COL. WITH Hc > 4.60 Ld						
		8#	10#	12#	16#	20#	25#	32#
M 20	57 x BAR DIA.	500	600	700	950	1150	1450	1850
M 25	49 x BAR DIA.	450	500	600	800	1000	1250	1600

Hc = CLEAR HT. OF COL. FROM BEAM SOFFIT TO TOP/SLAB BELOW

TABLE : 2
LAP LENGTH : REINF. SPLICE IN COLUMN
IF CRITERIA FOR TABLE 1 IS NOT SATISFIED

CONCRETE GRADE	IS-456 criteria	SPLICE LENGTH (mm)				
		12#	16#	20#	25#	
M 20	68.4 x BAR DIA.	850	1100	1400	1750	
M 25	58.8 x BAR DIA.	750	950	1200	1500	

FOR GENERAL NOTES REFER DRG.NO S/MEDICAL COLLEGE/03

Notes	Project	Principal Consultants	Healthcare Design Consultants	Drawing Title			Drawing no.	Revision
1. This drawing is prepared exclusively for Nagaland Medical College, Kohima under Nagaland Health Project and cannot be used for any other purpose. 2. All dimensions are in millimeters (unless otherwise mentioned). 3. All dimensions shall be read and not measured or scaled. 4. Any error / discrepancy in the drawing shall be brought to the notice of consultants.	Nagaland Medical College, Kohima	IMS Health	**helix** healthcare architecture	COLUMN SCHEDULE AND DETAILS MEDICAL COLLEGE	REV. NO.	DATE	NMCK/S/MC/02	
							Scale: NTS	Date: 09-10-2017