

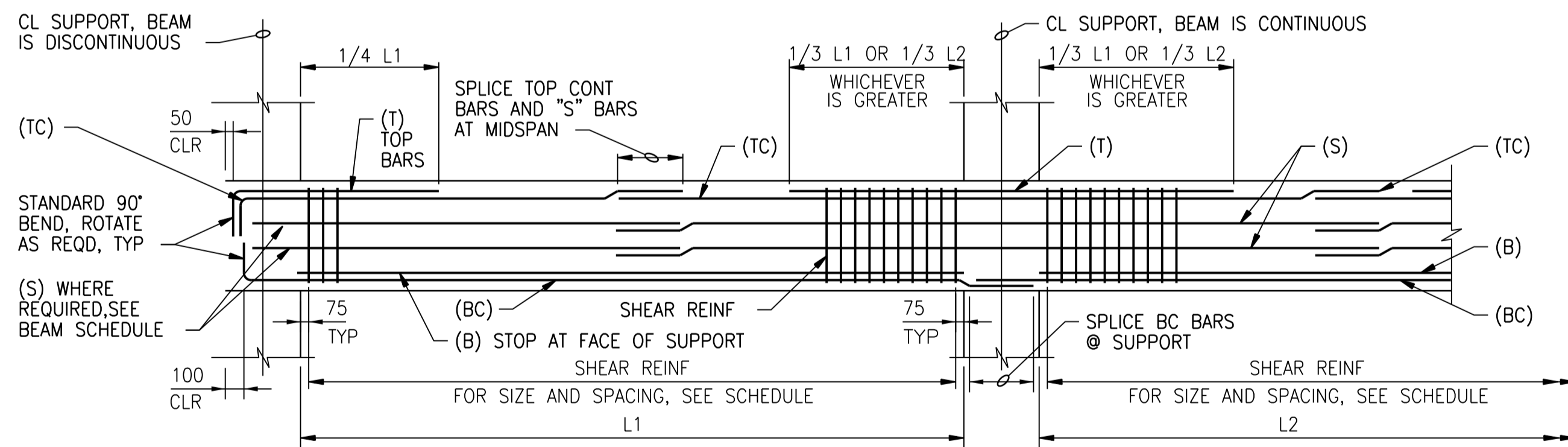
BEAM NO. (SEE PLANS)	SIZE		* TOP REINF AT LEFT SUPPORT		BOTTOM REINF		* TOP REINF AT RIGHT SUPPORT		S BARS	SHEAR REINF				REMARKS
	W	D	T	TC	B	BC	T	TC		NO. (NOTE 5)	SIZE	TYPE	SPACING FROM LEFT SUPPORT	
BM1	450	800	3-35M	3-35M	-	5-35M	3-35M	3-35M	4-20M	4	15M	4 LEGGED	⊙ 150	
BM2	450	800	2-35M	3-35M	-	4-35M	2-35M	3-35M	4-20M	2	15M	2 LEGGED	⊙ 150	
BM3	450	800	-	3-20M	-	5-35M	-	3-20M	4-20M	2	15M	2 LEGGED	⊙ 250	
BM4	450	800	-	4-25M	-	4-25M	-	4-25M	4-20M	2	15M	2 LEGGED	⊙ 250	
BM5	450	800	-	3-20M	-	3-20M	-	3-20M	4-20M	2	10M	2 LEGGED	⊙ 250	
BM6	450	800	-	3-20M	-	4-35M	-	3-20M	4-20M	2	10M	2 LEGGED	⊙ 150	
BM7	450	800	1-25M	4-25M	-	4-25M	1-25M	4-25M	4-20M	2	15M	2 LEGGED	⊙ 200	
BM8	450	800	-	3-20M	-	5-35M	-	3-20M	4-20M	2	15M	2 LEGGED	⊙ 200	
BM9	450	800	-	3-35M	-	3-35M	-	3-25M	4-20M	2	15M	2 LEGGED	⊙ 250	
B10	300	700	-	2-25M	⚠	2-30M	-	2-25M	4-20M	2	10M	2 LEGGED	⊙ 250	
B11	300	700	-	2-25M	-	3-25M	-	2-25M	4-20M	2	10M	2 LEGGED	⊙ 250	
B12	400	800	-	4-35M	-	4-30M	-	4-35M	4-20M	2	15M	2 LEGGED	⊙ 250	
B13	300	800	-	3-35M	-	3-30M	-	3-35M	4-20M	2	10M	2 LEGGED	⊙ 250	
B14	300	800	-	3-15M	-	4-20M	-	3-15M	4-20M	2	10M	2 LEGGED	⊙ 300	
B15	300	1762	-	3-35M	-	5-35M	-	3-35M	4-20M	2	10M	2 LEGGED	⊙ 250	
B16	400	700	-	3-20M	-	3-30M	-	3-20M	4-20M	2	10M	2 LEGGED	⊙ 250	

**NOTES:**

- \* TOP REINFORCING MAY BE CALLED-OUT TWICE IN SCHEDULE. (I.E. "TOP REINFORCING AT RIGHT SUPPORT" OF BEAM THAT IS CONTINUOUS OVER THE RIGHT SUPPORT IS CALLED-OUT AS "TOP REINFORCING AT LEFT SUPPORT" OF ADJACENT BEAM.)
- LEFT SUPPORT IS DESIGNATED AS THE SUPPORT CLOSEST TO THE LEFT SIDE OR BOTTOM OF SHEET ON WHICH FRAMING PLAN IS DRAWN, UNLESS NOTED OTHERWISE ON PLAN.
- WHERE FLOOR SLOPES, DEPTH OF BEAM (D) SHOWN IS MINIMUM DEPTH. BOTTOM ELEVATION OF BEAM SHALL BE CONSTANT, UNLESS INDICATED OTHERWISE.
- WHERE SHEAR REINFORCING "TYPE" IS INDICATED AS "STIRRUP", PROVIDE SHEAR REINFORCING AND CLOSURES AS SHOWN IN BEAM REINFORCING DETAIL. WHERE SHEAR REINFORCING "TYPE" IS INDICATED AS "CLOSED TIE", PROVIDE CLOSED TIES IN LIEU OF STIRRUPS AND CLOSURE BARS.
- "NO." INDICATES NUMBER OF STIRRUPS OR TIES PER SET.

**BEAM SCHEDULE**

NTS



TC OR T REINF. PLACE TC REINF @ STIRRUP CORNERS, TC REINF SHOULD BE PLACED IN UPPERMOST LAYER UNO

STD 135° BEND, TYP

CLOSURE BARS, SAME SIZE AND SPACING AS SHEAR REINF

DIA OF LARGEST T OR TC BAR, 40 CLR MIN

TYP SLAB REINF

DISCONTINUE SLAB LONGITUDINAL REINF @ BEAM, PLACE 75 CLR OF BEAM, TYP

(S) BARS

SHEAR REINF

BEAM DEPTH

D

BEAM WIDTH

W

LAP LENGTH

INTERIOR STIRRUPS, REQUIRED IF INDICATED IN BEAM SCHEDULE

INTERSECTING BEAM

DIA OF LARGEST B OR BC BAR, 40 CLR MIN

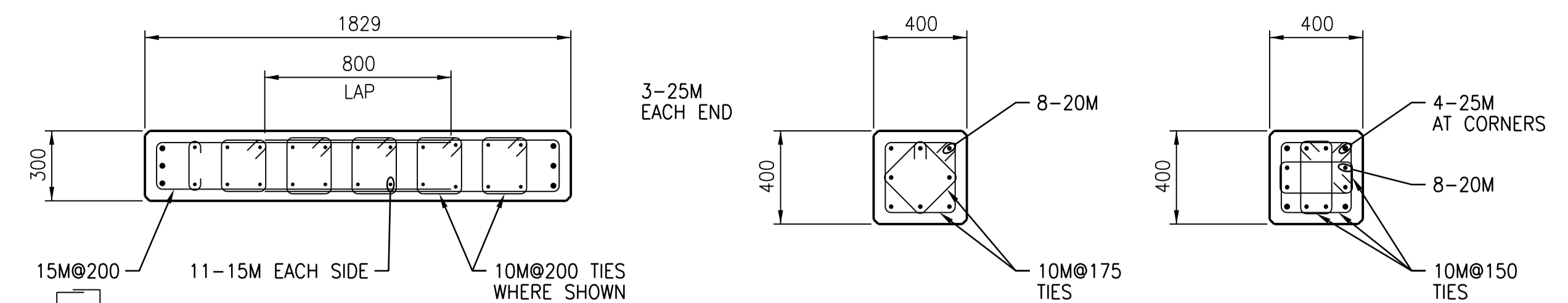
BC OR B REINF. PLACE BC REINF @ STIRRUP CORNERS, BC REINF SHOULD BE PLACED IN LOWER LAYER UNO

**BEAM REINFORCING**

NTS

**NOTES:**

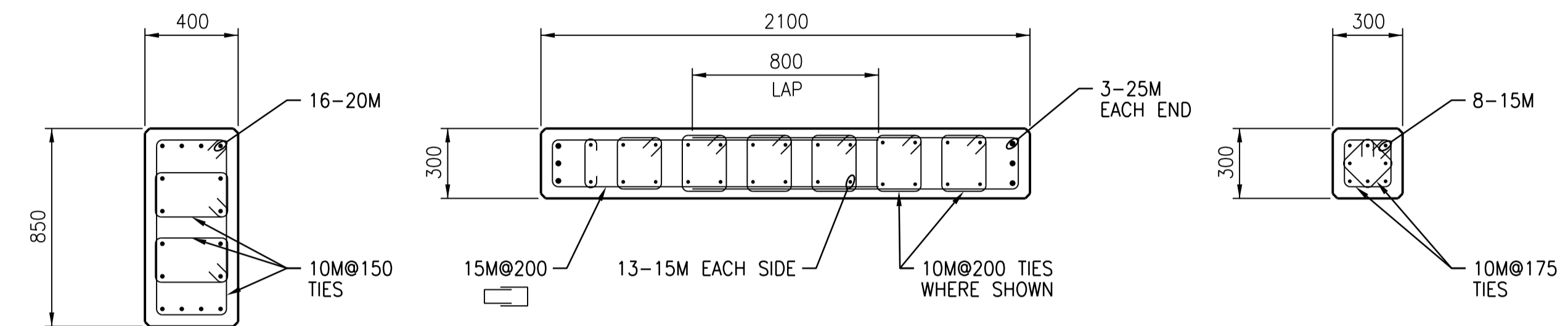
- PLACE TOP (T & TC) AND BOTTOM (B & BC) BARS IN MULTIPLE ROWS ONLY WHERE INDICATED IN SCHEDULE.
- WHEN INDICATED IN BEAM SCHEDULE, SUBSTITUTE CLOSED TIES (⊠) FOR STIRRUPS AND CLOSURE BARS SHOWN (⊠).
- PROVIDE MINIMUM 1 - 15M CONTINUOUS AT EACH CORNER OF STIRRUPS.



**COLUMN C1**

**COLUMN C2**

**COLUMN C3**



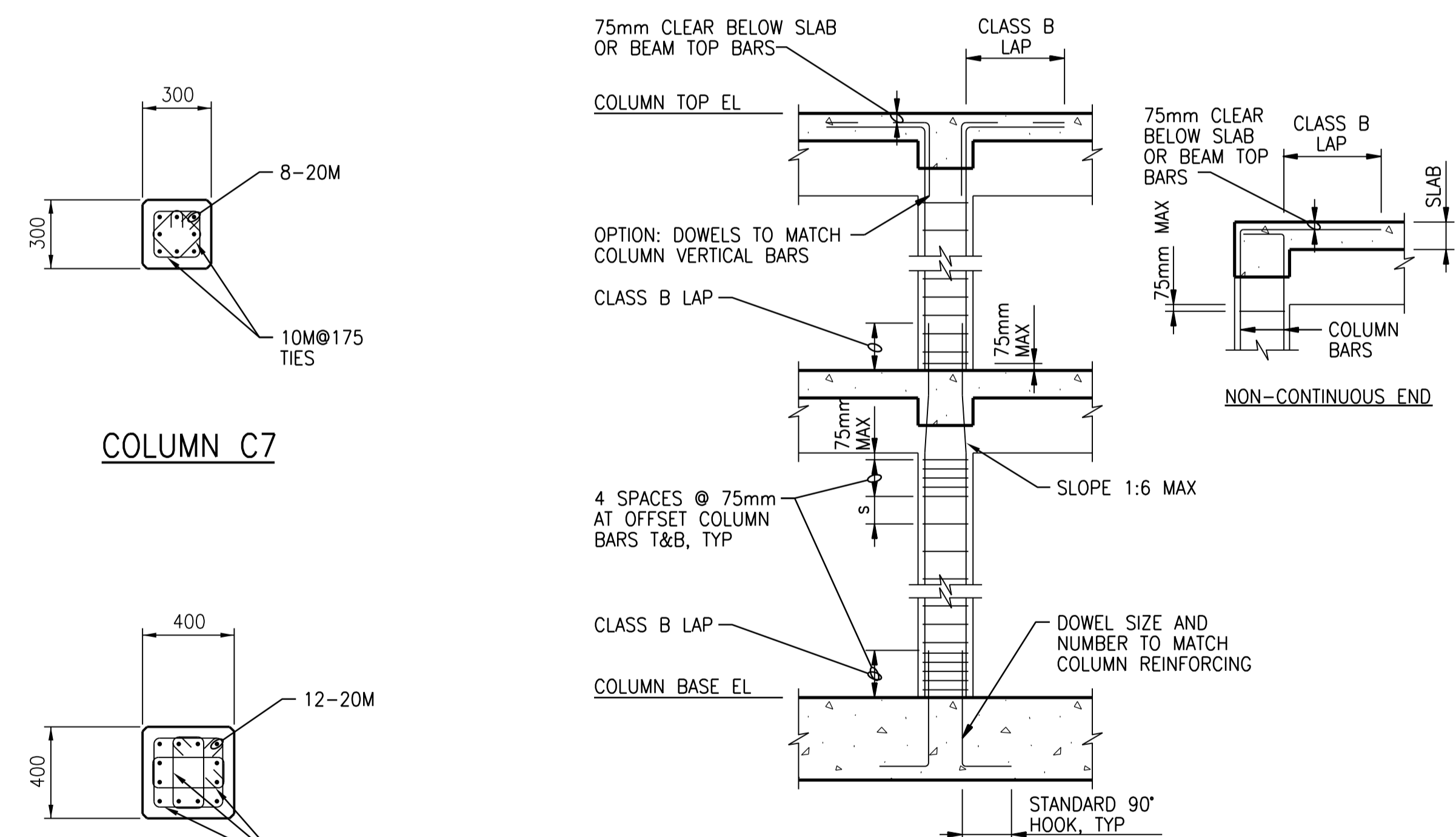
**COLUMN C4**

**COLUMN C5**

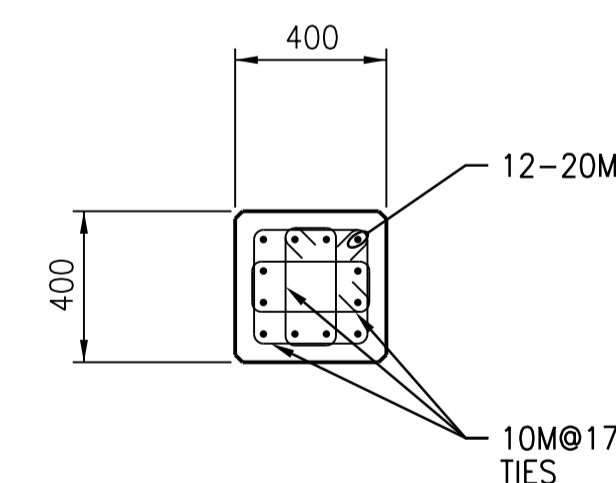
**COLUMN C6**

**COLUMN REINFORCING SCHEDULE**

NTS



**COLUMN C7**



**COLUMN C8**

**NOTES:**

- FOR COLUMN DIMENSIONS AND REINFORCING SEE COLUMN SCHEDULE.
- "s" = TIE SPACING.
- FOR BEAM DIMENSIONS AND REINFORCING SEE BEAM SCHEDULE.

**COLUMN REINFORCING**

NTS

DESIGNED BY: A. THAKKAR CHECKED BY: E. LUI DRAWN BY: G. OMORI APPROVED BY: H.T. FREIHAMMER SCALE: NTS ISSUED FOR CONSTRUCTION BY: T. TURZAK DATE: 2016/01/29 DATE: 2016/01/29		DATE: 2016/01/29 DATE: 2016/01/29 CONSULTANT NO.: 474248		SOUTH END WATER POLLUTION CONTROL CENTRE SEWPCU UPGRADING/EXPANSION PROJECT STRUCTURAL SECONDARY CLARIFIERS 4 AND 5 COLUMN AND BEAM SCHEDULE		CITY DRAWING NUMBER: 1-0102-SSCH-S001 SHEET: 001 REV: 01 SIZE: A1	