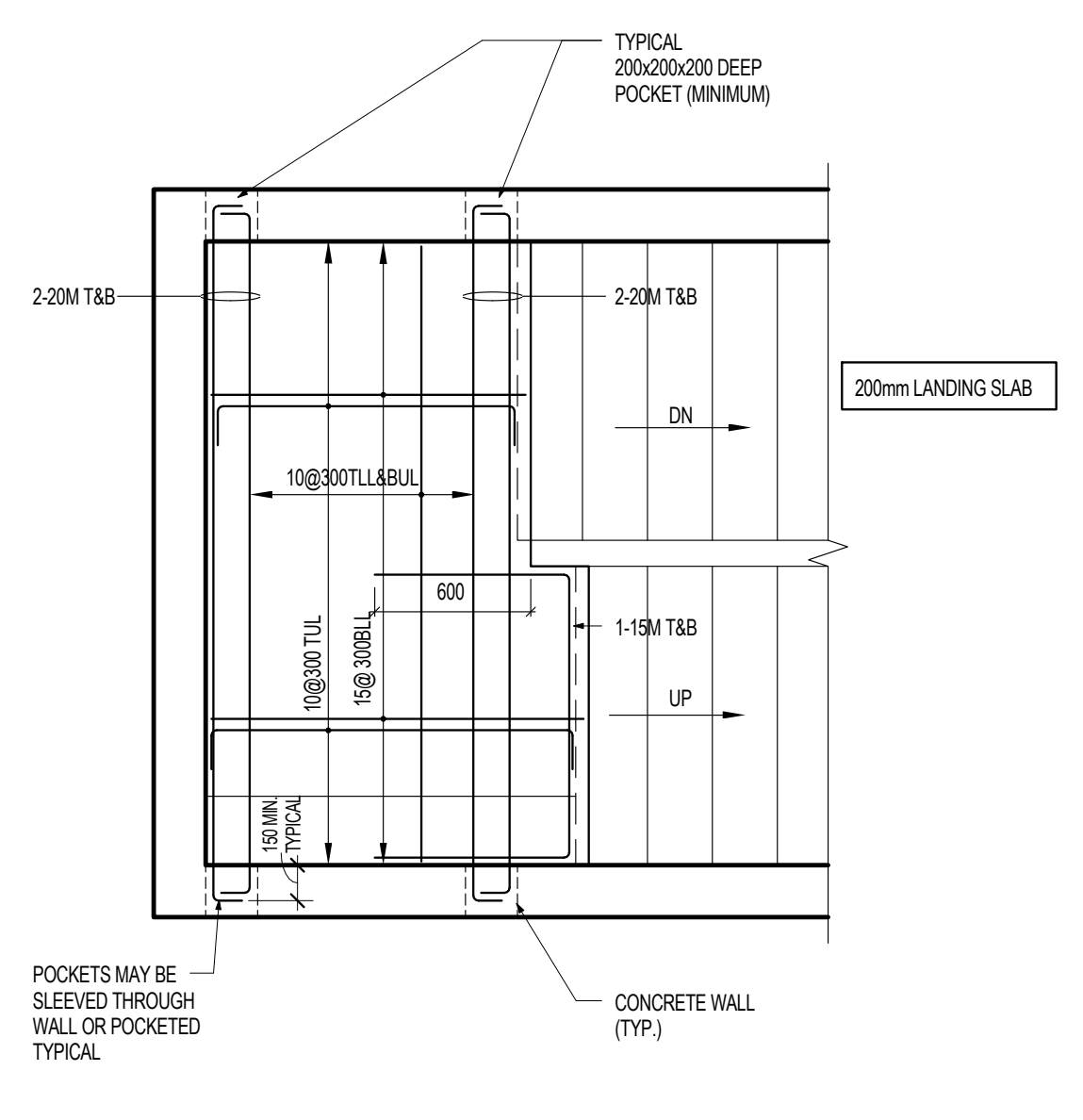
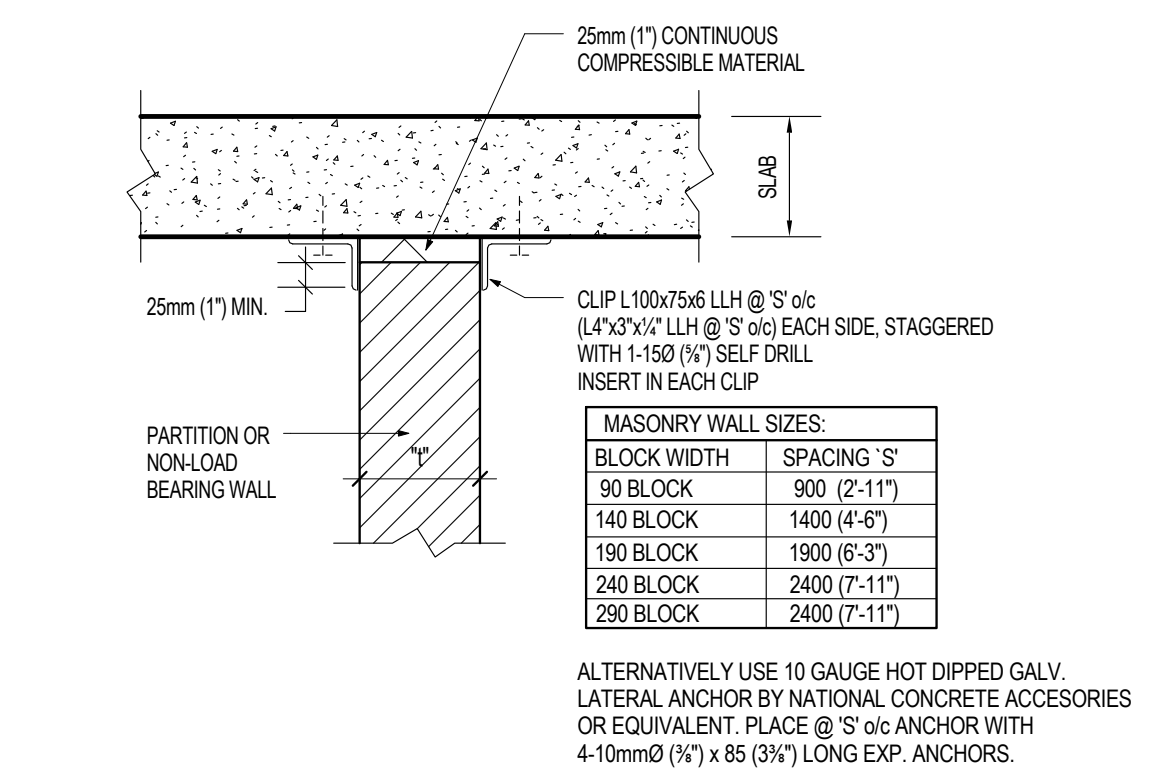
TYPICAL MID LANDING, PRECAST STAIR — T-C27


TYPICAL 200x200x200 DEEP POCKET (MINIMUM)
2-20M T&B
200mm LANDING SLAB
POCKETS MAY BE SLEEVED THROUGH WALL OR POCKETED TYPICAL
CONCRETE WALL (TYP.)
UP
DN

TYPICAL MID LANDING FRAMING PLAN PRECAST CONCRETE STAIR

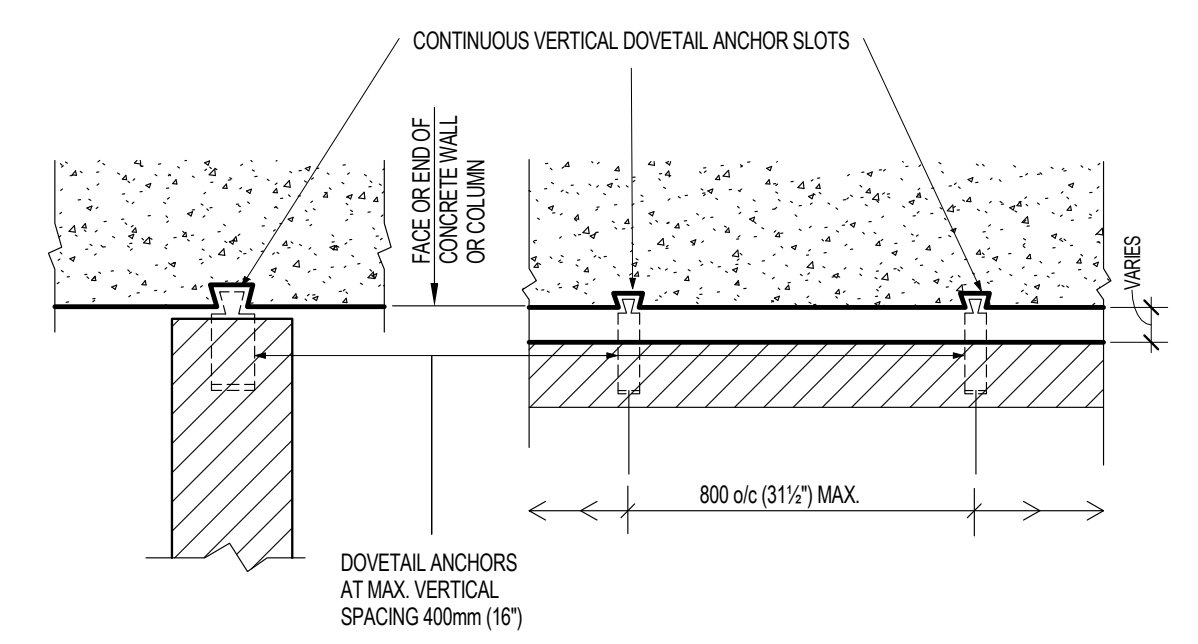
SEE T-C26 FOR BEARING DETAIL AND ADDED REINFORCEMENT IN MID LANDING SLAB PRECAST CONCRETE STAIR.

DETAILS OF NON LOAD-BEARING MASONRY WALLS AT CONCRETE SLAB AND WALL — T-C29


25mm (1") CONTINUOUS COMPRESSIBLE MATERIAL
SLAB
PARTITION OR NON-LOAD BEARING WALL
ALTERNATIVELY USE 10 GAUGE HOT DIPPED GALV. LATERAL ANCHOR BY NATIONAL CONCRETE ACCESSORIES OR EQUIVALENT

MASONRY WALL SIZES	
BLOCK WIDTH	SPACING "S"
90 BLOCK	900 (2'-11")
140 BLOCK	1500 (4'-11")
190 BLOCK	1900 (6'-3")
240 BLOCK	2400 (7'-11")
290 BLOCK	2400 (7'-11")

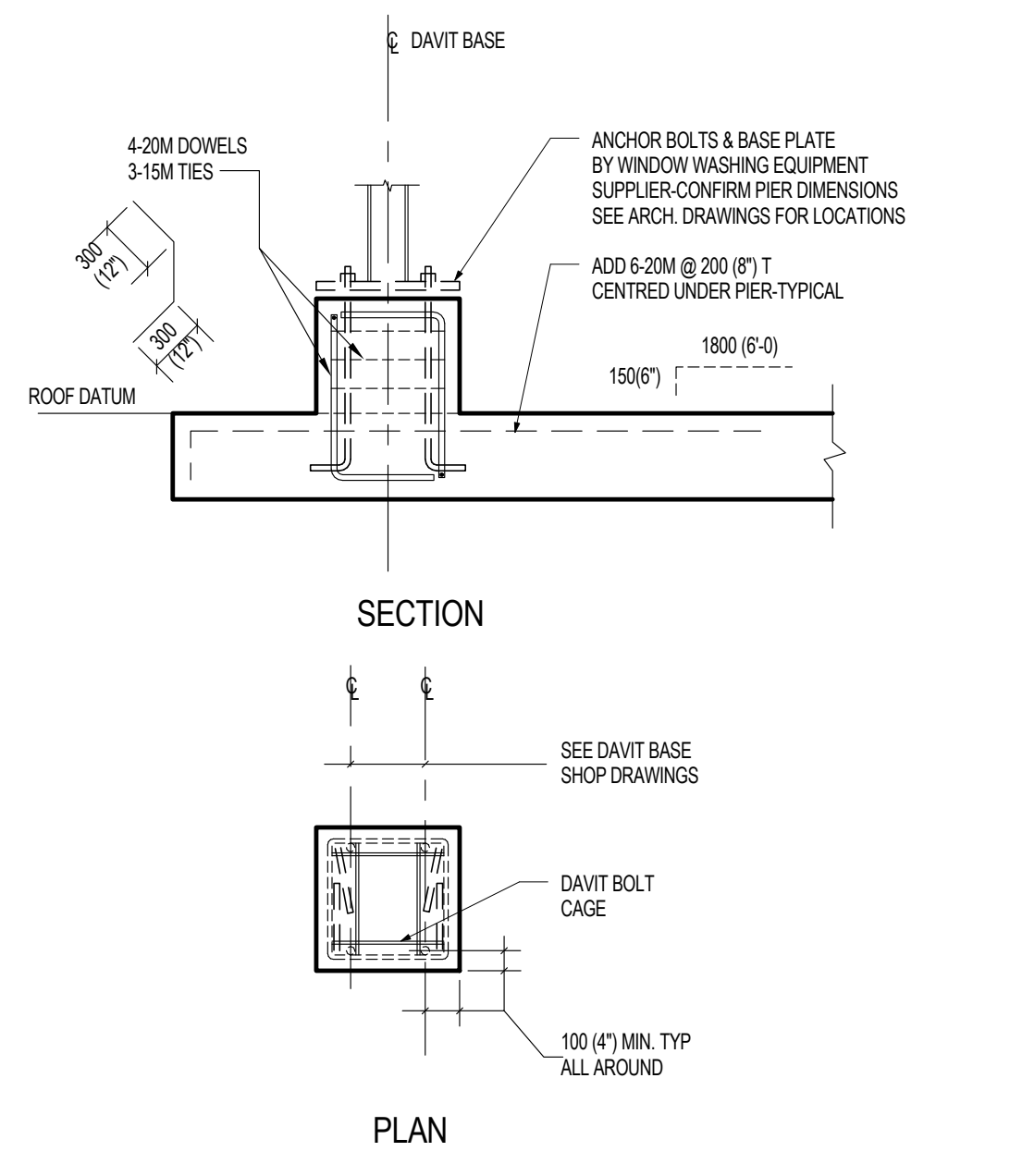
ALTERNATIVE LATERAL SUPPORT OF NON-LOAD-BEARING MASONRY WALLS AT UNDERSIDE OF CONCRETE SLABS


CONTINUOUS VERTICAL DOVETAIL ANCHOR SLOTS
DOVETAIL ANCHORS AT MAX. VERTICAL SPACING 400mm (16")
800 o/c (2'-8") MAX.

MASONRY WALL BUTTING CONCRETE

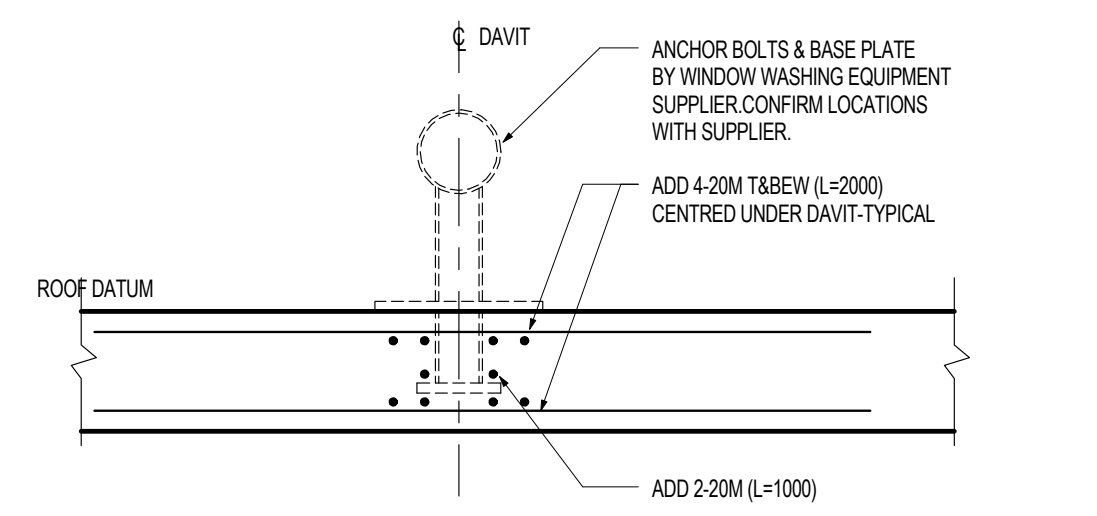
MASONRY FACING CONCRETE

TYPICAL WINDOW WASHING DAVIT BASE DETAIL — T-C30

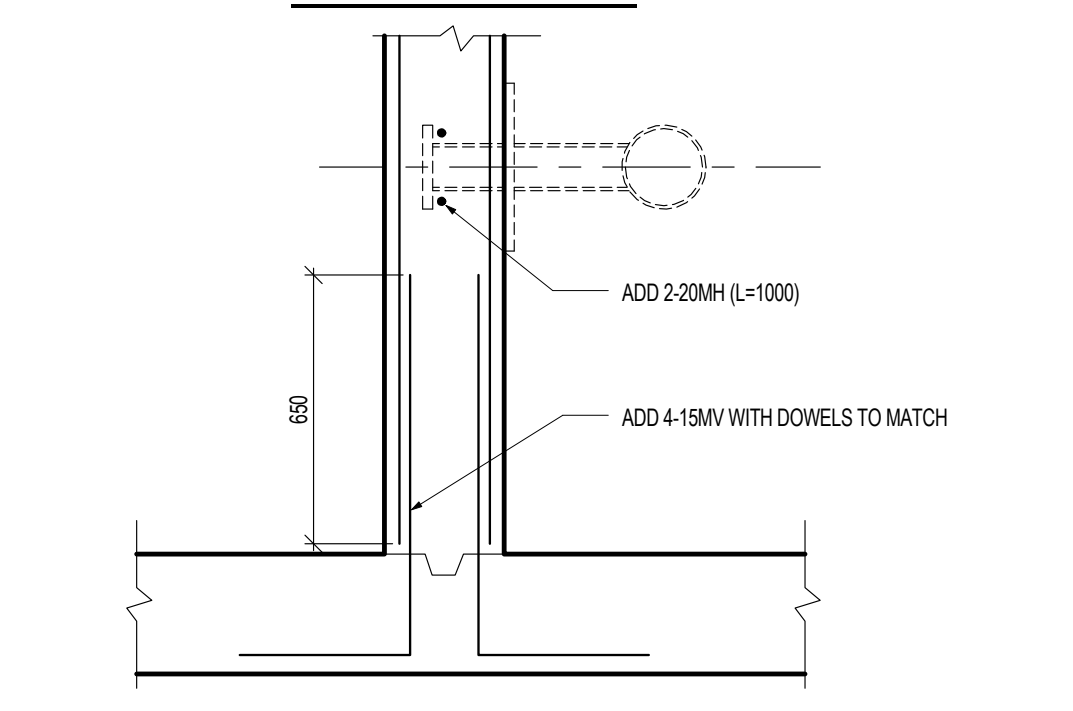

DAVIT BASE
4-20M DOWELS
3-15M TIES
ROOF DATUM
ANCHOR BOLTS & BASE PLATE BY WINDOW WASHING EQUIPMENT SUPPLIER-CONFIRM PER DIMENSIONS SEE ARCH. DRAWINGS FOR LOCATIONS
SECTION
SEE DAVIT BASE SHOP DRAWINGS
DAVIT BOLT CAGE
PLAN

TYPICAL WINDOW WASHING DAVIT BASE DETAIL

TYPICAL ADDITIONAL REINFORCING AT WINDOW WASHING DAVITS — T-C32


DAVIT
ANCHOR BOLTS & BASE PLATE BY WINDOW WASHING EQUIPMENT SUPPLIER
ROOF DATUM
ADD 2-20M (L=1000)

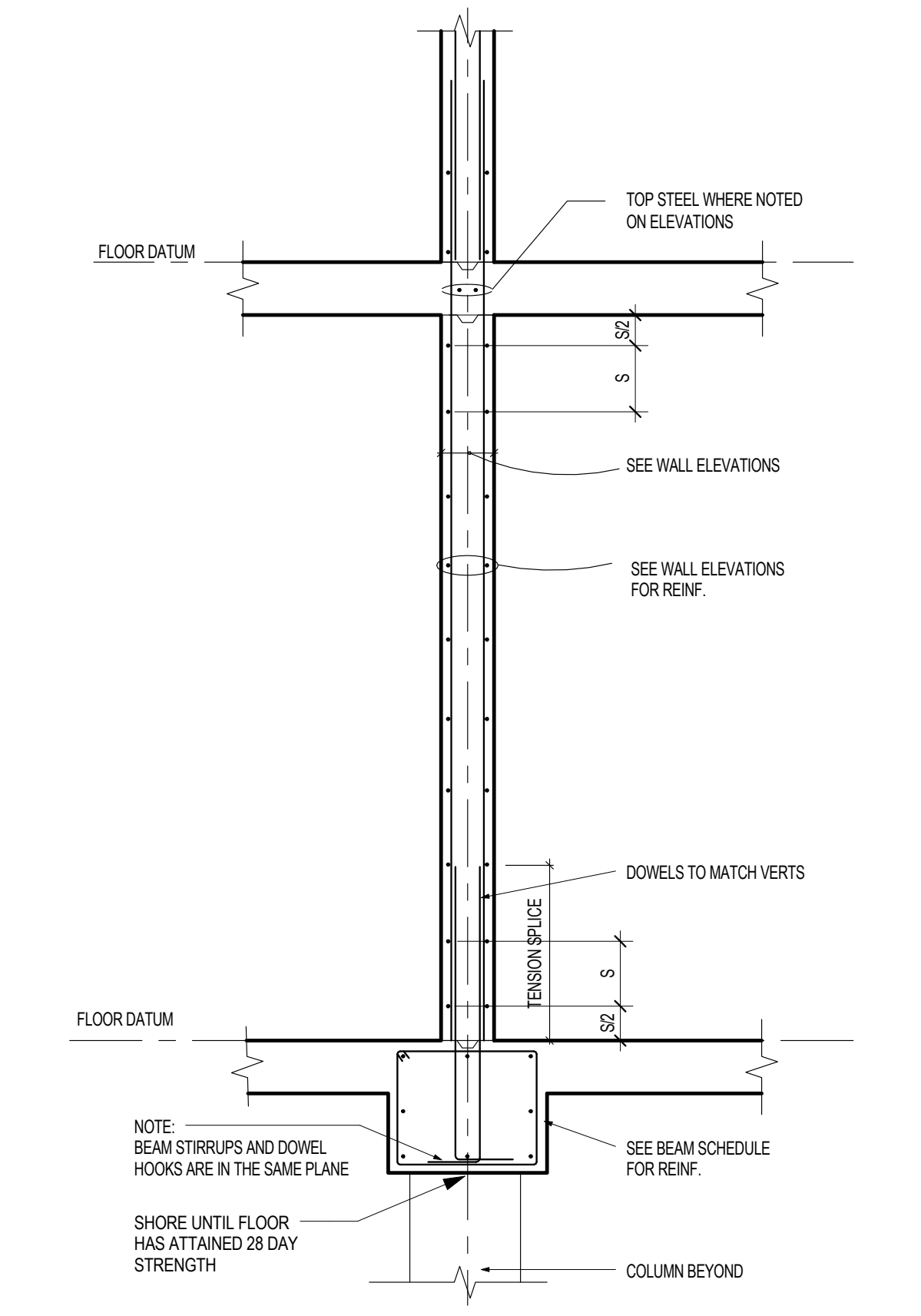
ANCHOR ON SLAB


ADD 2-20M (L=1000)
ADD 4-15M WITH DOWELS TO MATCH

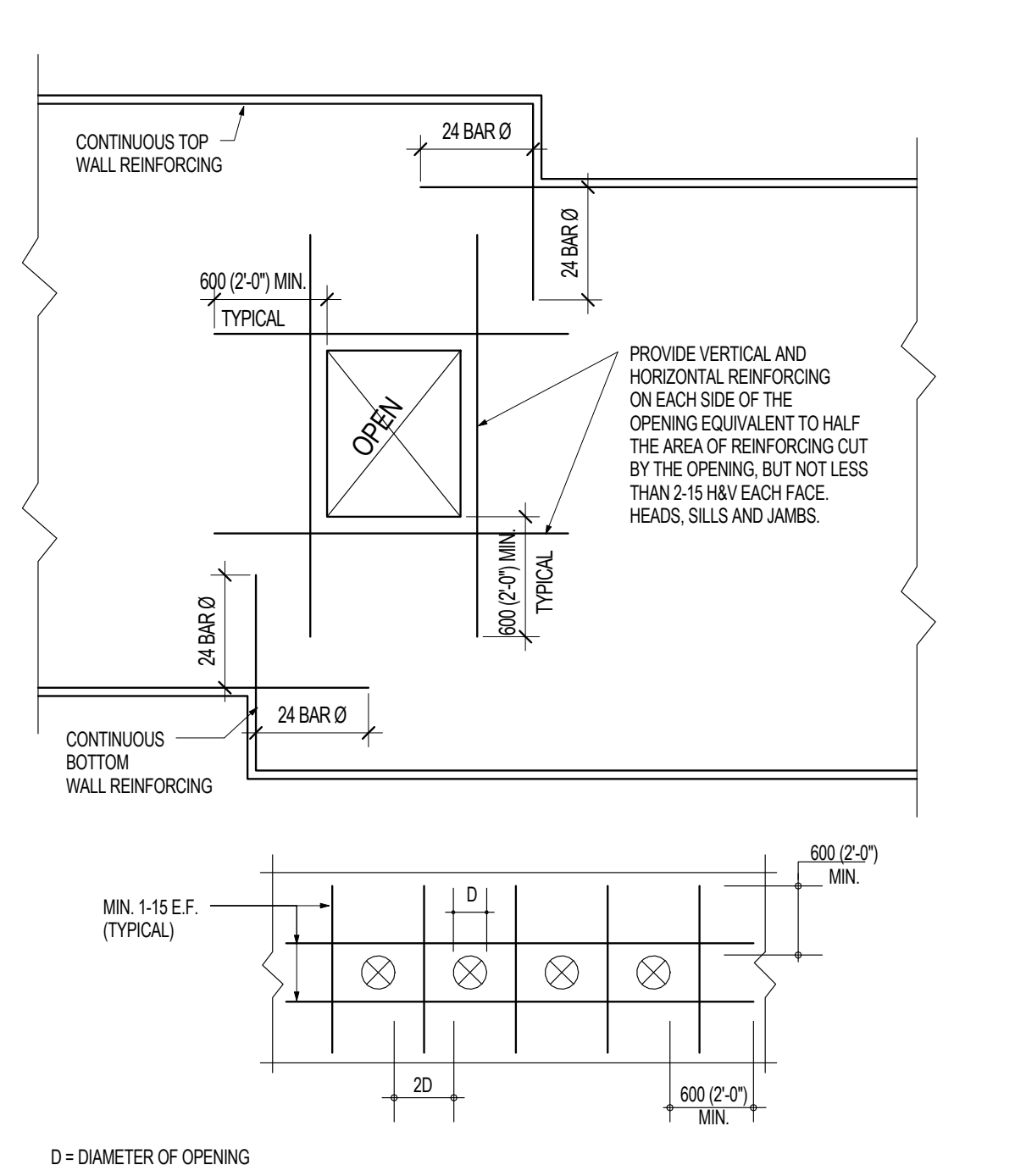
ANCHOR IN PENTHOUSE WALLS

TYPICAL ADDITIONAL REINFORCING AT WINDOW WASHING DAVITS

TYPICAL SHEAR WALL TO TRANSFER BEAM — T-C35


FLOOR DATUM
TOP STEEL WHERE NOTED ON ELEVATIONS
SEE WALL ELEVATIONS
SEE WALL ELEVATIONS FOR REINF.
DOWELS TO MATCH VERTS
TENSION SPLICE
FLOOR DATUM
NOTE: BEAM STIRRUPS AND DOWEL HOOKS ARE IN THE SAME PLANE
SHORE UNTIL FLOOR HAS ATTAINED 28 DAY STRENGTH
SEE BEAM SCHEDULE FOR REINF.
COLUMN BEYOND

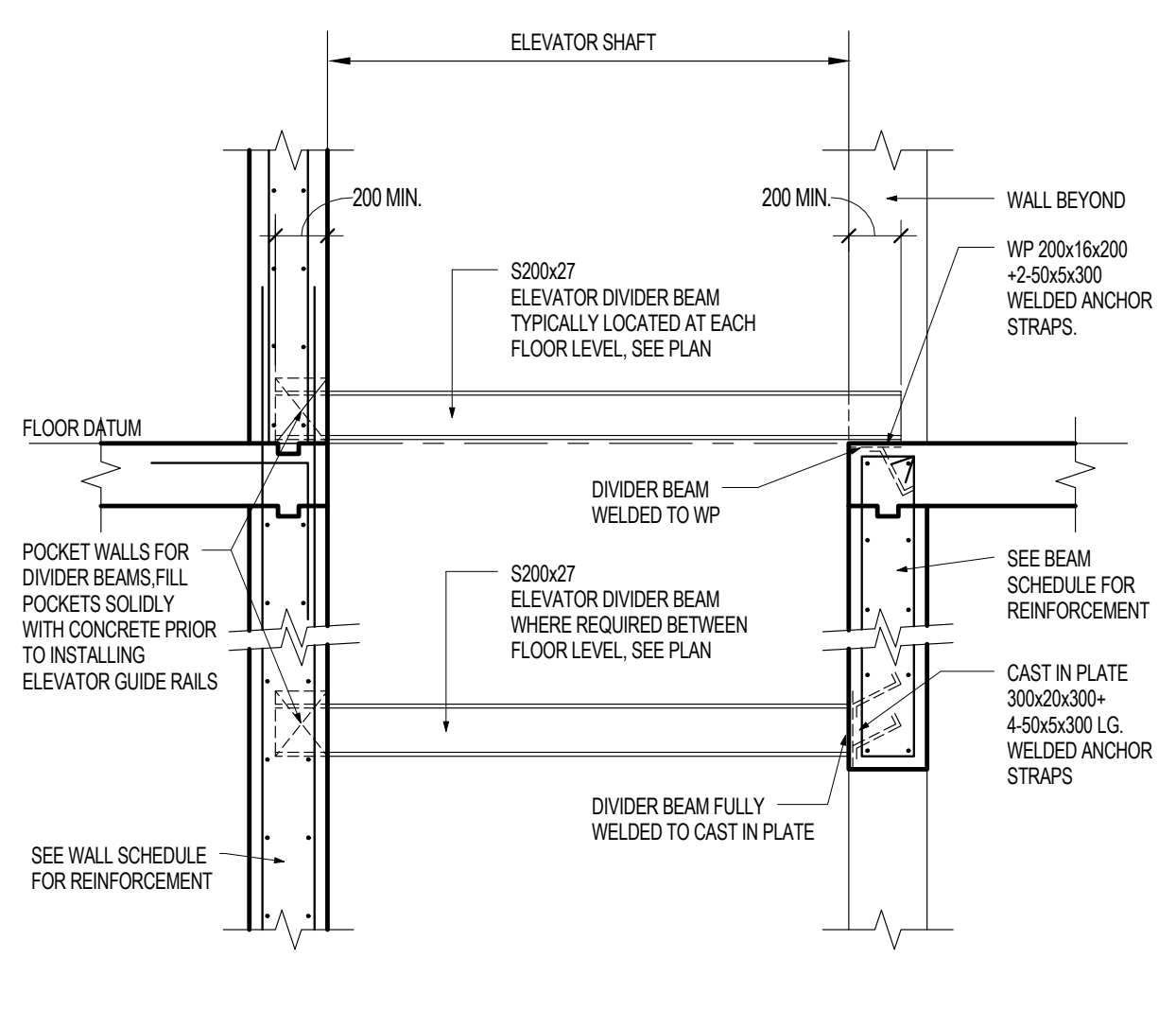
TYPICAL DETAIL OF OPENINGS IN CONCRETE WALL — T-C36


CONTINUOUS TOP WALL REINFORCING
OPENING
PROVIDE VERTICAL AND HORIZONTAL REINFORCING ON EACH SIDE OF THE OPENING EQUIVALENT TO HALF THE AREA OF REINFORCING CUT BY THE OPENING, BUT NOT LESS THAN 2-15 HEF EACH FACE, HEAD, SILLS AND JAMBS
CONTINUOUS BOTTOM WALL REINFORCING
MIN. 1-15 E.F. (TYPICAL)
D = DIAMETER OF OPENING

TYPICAL DETAIL OF ADDITIONAL REINFORCEMENT AT WALL OPENINGS

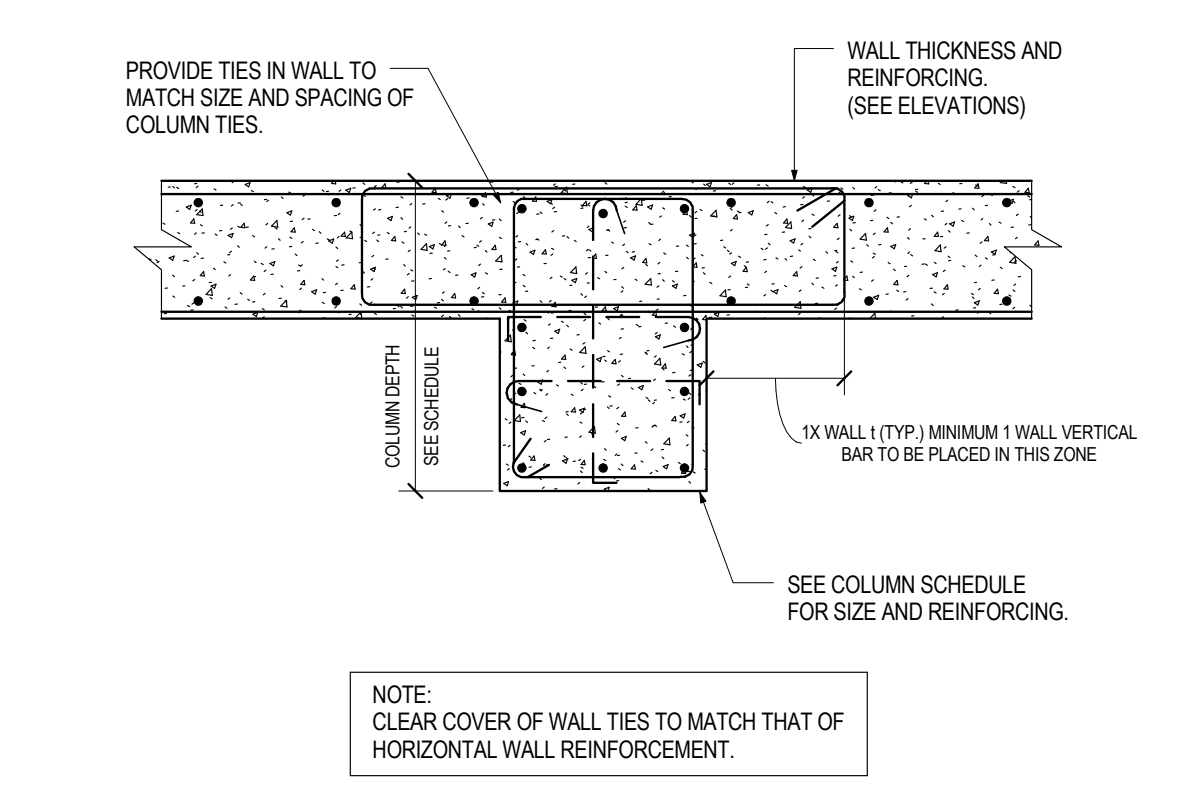
(TYPICAL UNLESS OTHERWISE SHOWN ON DRAWINGS)

TYPICAL ELEVATOR DIVIDER BEAM DETAIL — T-C37


ELEVATOR SHAFT
200 MIN.
WALL BEYOND
FLOOR DATUM
POCKET WALLS FOR DIVIDER BEAMS, FILL POCKETS SOLIDLY WITH CONCRETE PRIOR TO INSTALLING ELEVATOR GUIDE RAILS
SEE WALL SCHEDULE FOR REINFORCEMENT
SEE BEAM SCHEDULE FOR REINFORCEMENT
DIVIDER BEAM FULLY WELDED TO CAST IN PLATE

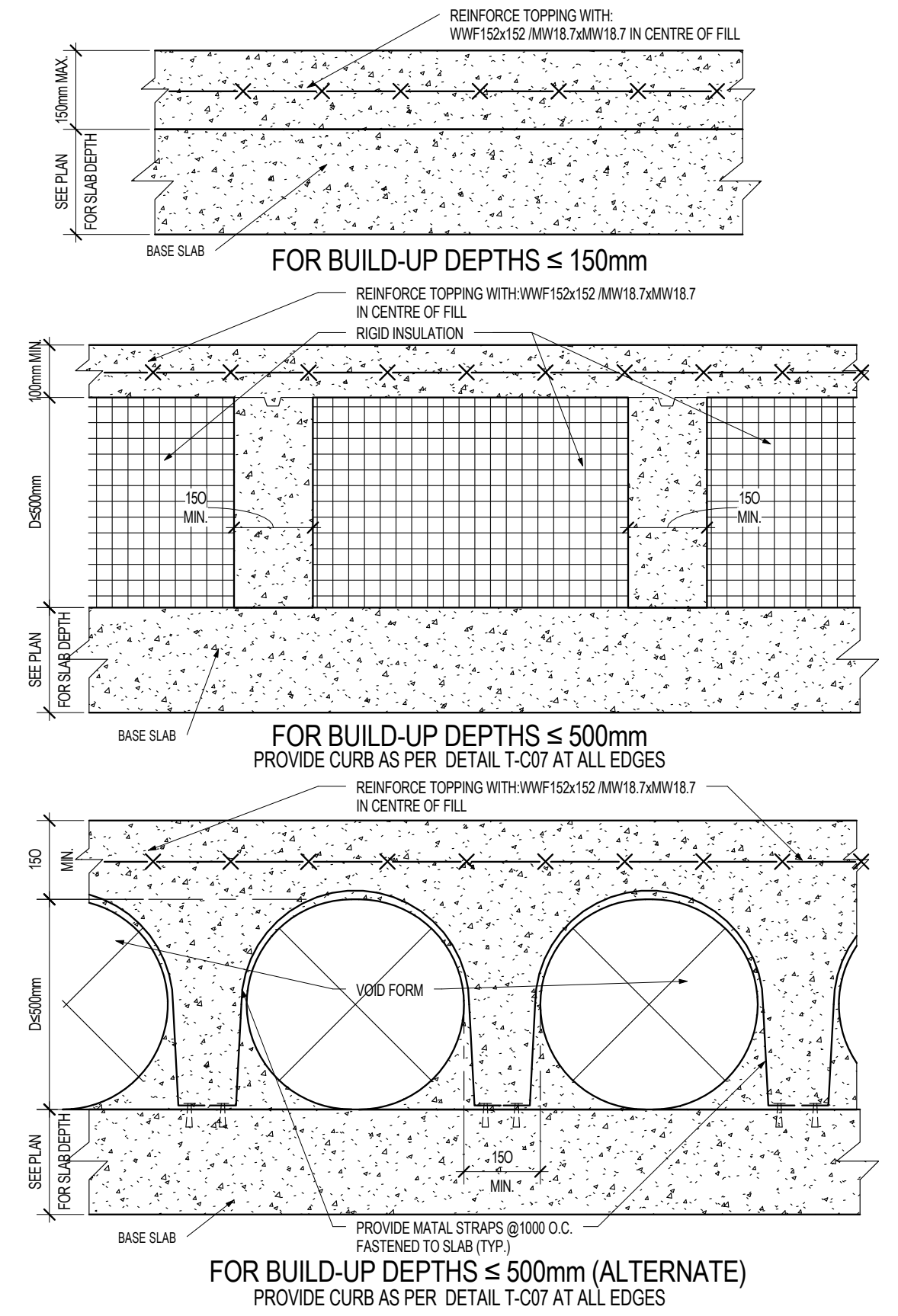
ELEVATOR DIVIDER BEAM ANCHORAGE DETAILS

COLUMN CAST INTEGRALLY WITH SHEAR WALLS — T-C41


PROVIDE TIES IN WALL TO MATCH SIZE AND SPACING OF COLUMN TIES.
WALL THICKNESS AND REINFORCING (SEE ELEVATIONS)
COLUMN SIZE
SEE COLUMN SCHEDULE FOR SIZE AND REINFORCING

NOTE:
CLEAR COVER OF WALL TIES TO MATCH THAT OF HORIZONTAL WALL REINFORCEMENT.

TYPICAL CONCRETE BUILD-UP DETAIL (D≤500mm) — T-C42

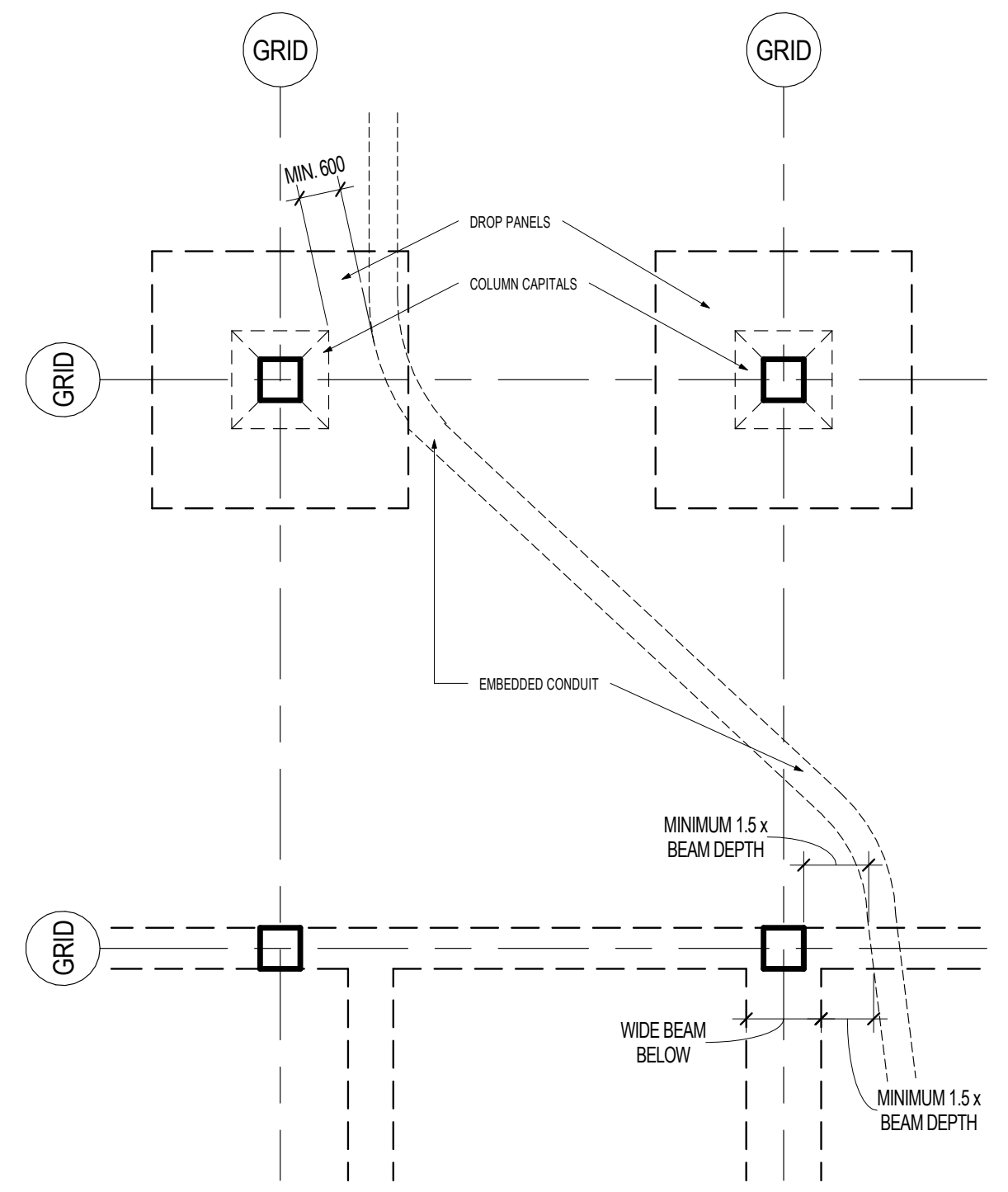

RIGID INSULATION
VOID FORM

FOR BUILD-UP DEPTHS ≤ 150mm

FOR BUILD-UP DEPTHS ≤ 500mm
PROVIDE CURB AS PER DETAIL T-C27 AT ALL EDGES

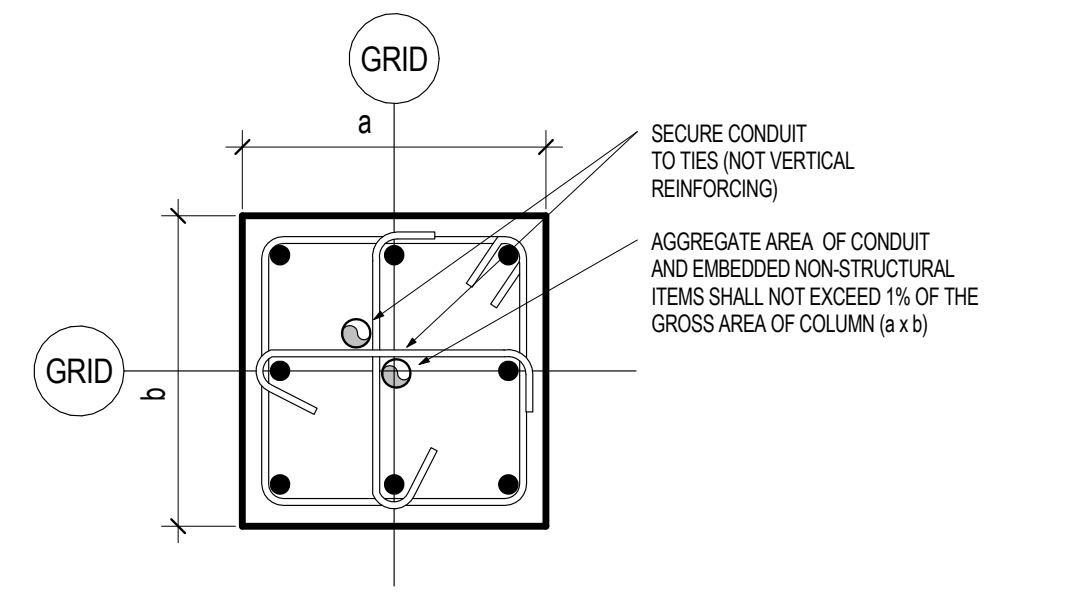
FOR BUILD-UP DEPTHS ≤ 500mm (ALTERNATE)
PROVIDE CURB AS PER DETAIL T-C27 AT ALL EDGES

EMBEDDED CONDUITS IN SLAB — T-C43

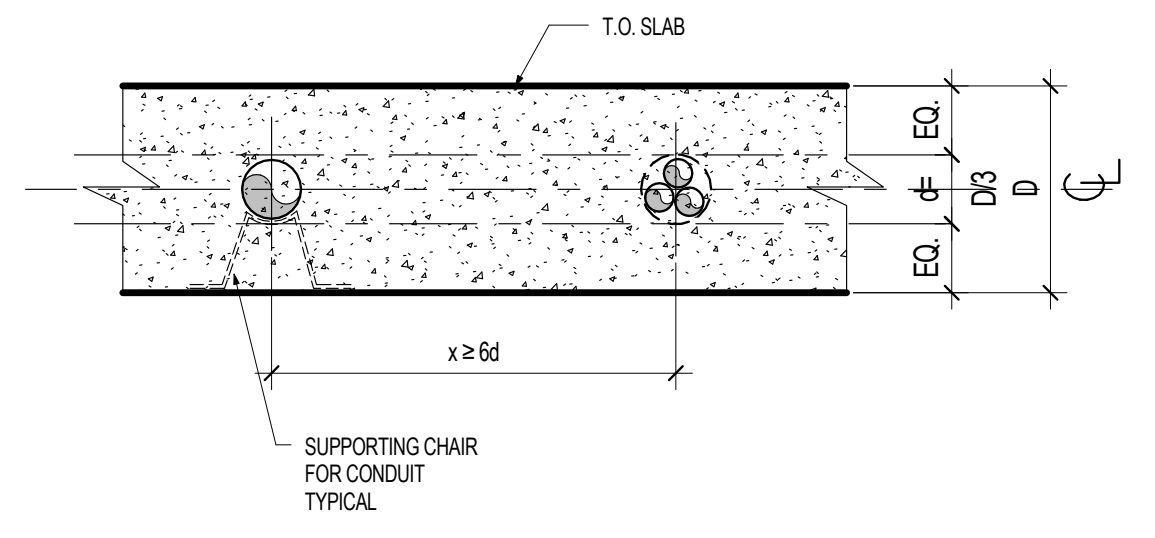

GRID
DROP PANELS
COLUMN CAPITALS
EMBEDDED CONDUIT
MINIMUM 1.5 x BEAM DEPTH
WIDE BEAM BELOW
MINIMUM 1.5 x BEAM DEPTH

PART PLAN

EMBEDDED CONDUITS AND PIPES — T-C44


GRID
SECURE CONDUIT TO TIES (NOT VERTICAL REINFORCING)
AGGREGATE AREA OF CONDUIT AND EMBEDDED NON-STRUCTURAL ITEMS SHALL NOT EXCEED 1% OF THE CROSS AREA OF COLUMN (a x b)

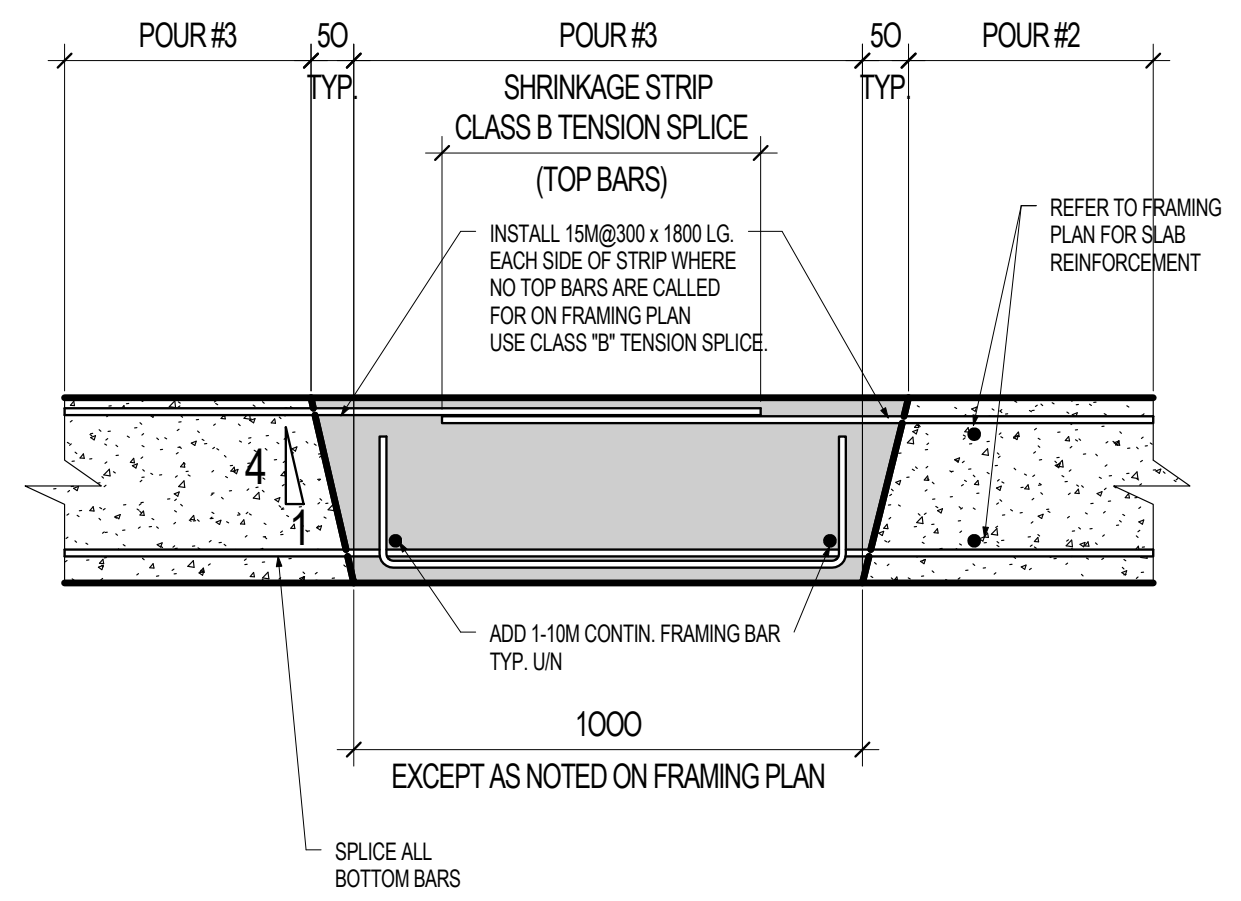
PLAN
CONDUITS EMBEDDED IN COLUMN


T.O. SLAB
SUPPORTING CHAIR FOR CONDUIT TYPICAL
EQ
EQ

SECTION
CONDUITS EMBEDDED IN SLAB

*EXCEPT AS NOTED ABOVE, REFER TO SECTION 6.7.5. OF A23.1-09 FOR ADDITIONAL REQUIREMENTS FOR CONDUITS IN CONCRETE.

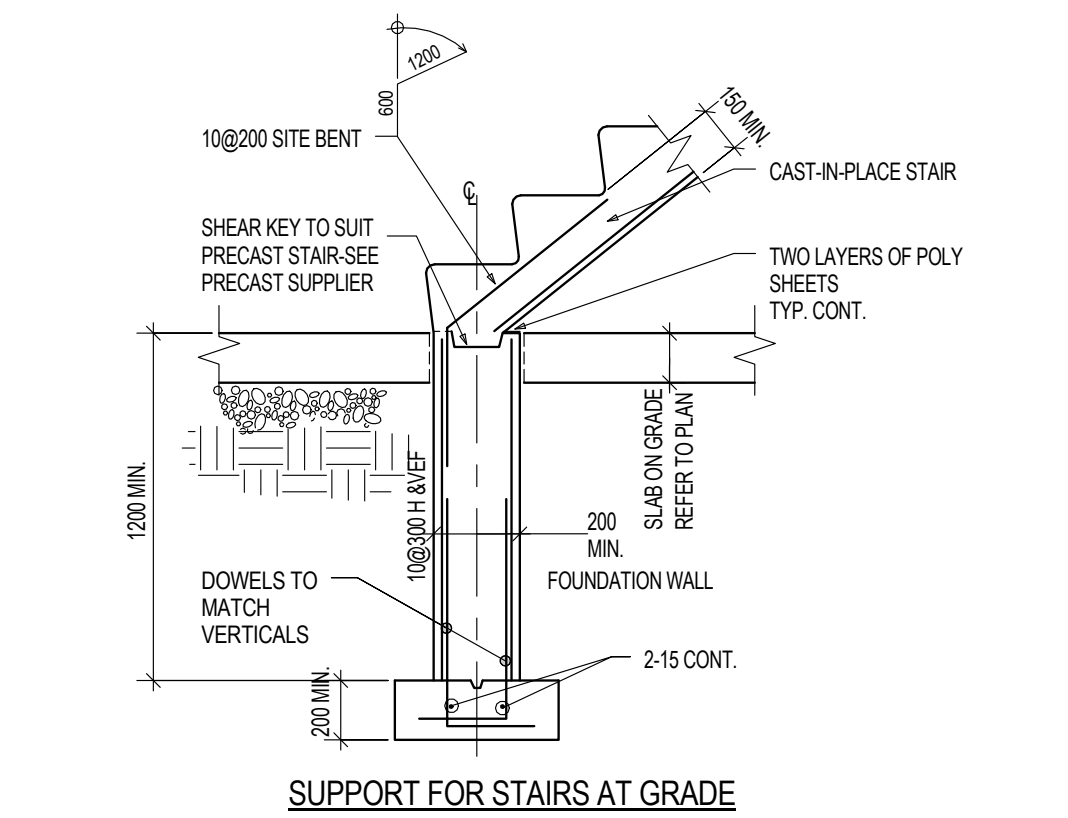
SHRINKAGE STRIP DETAIL — T-C45


POUR #3
POUR #3
POUR #2
SHRINKAGE STRIP CLASS B TENSION SPLICE (TOP BARS)
REFER TO FRAMING PLAN FOR SLAB REINFORCEMENT
ADD 1-10M CONTIN. FRAMING BAR TYP. U.N.
1000
EXCEPT AS NOTED ON FRAMING PLAN
SPLICE ALL BOTTOM BARS

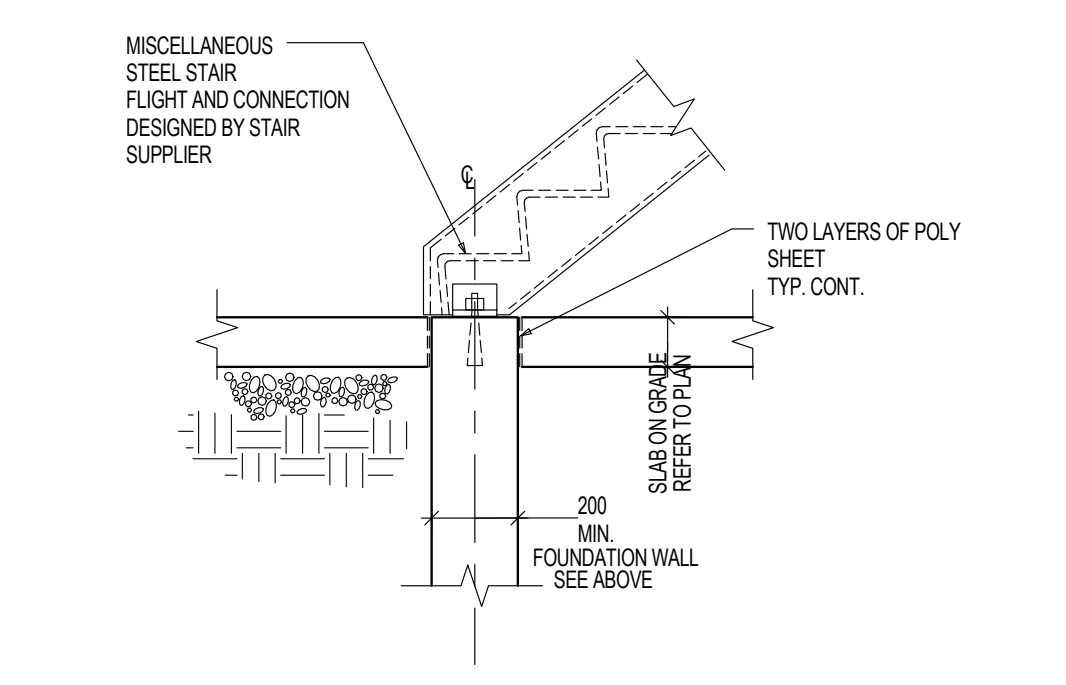
NOTES:

1. KEEP EDGE OF FLOORS AND ADJACENT BAYS SHORED UNTIL STRIP IS POURED AND CONCRETE HAS ATTAINED SPECIFIED STRENGTH.
2. POUR SHRINKAGE STRIP AT CONSULTANT SPECIFIED DAYS AFTER THE ADJOINING SEGMENTS OF SLABS HAVE BEEN CONSTRUCTED OR AS OTHERWISE NOTED IN SPECIFICATION.
3. PROVIDE VERTICAL EXPANSION JOINTS IN WALLS THAT INTERSECT SEPARATION STRIP.

SUPPORT FOR EXTERIOR STAIRS AT GRADE — T-C50

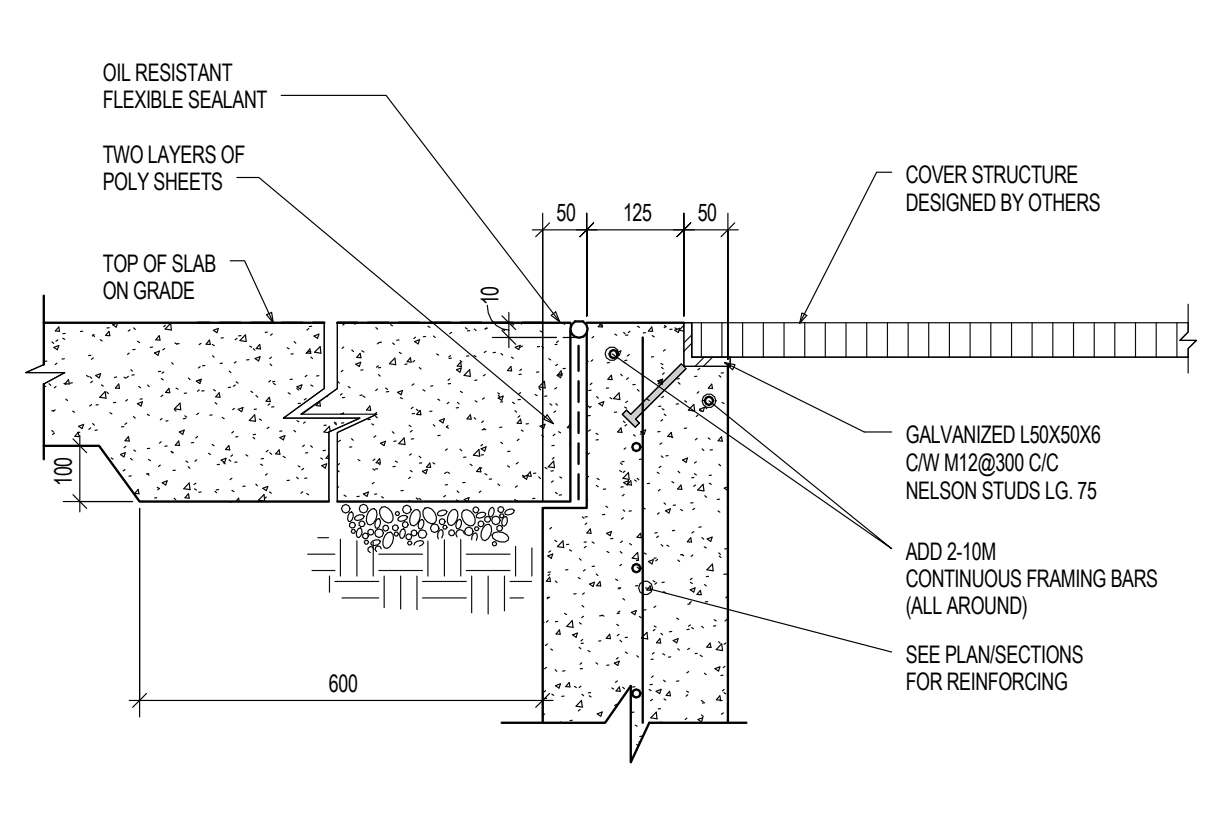

CAST-IN-PLACE STAIR
SHEAR KEY TO SUIT PRECAST STAIR SEE PRECAST SUPPLIER
TWO LAYERS OF POLY SHEETS TYP. CONT.
DOWELS TO MATCH VERTICALS
FOUNDATION WALL
2-15 CONT.

SUPPORT FOR STAIRS AT GRADE
FOR CAST-IN-PLACE/PRECAST STAIRS


MISCELLANEOUS STEEL STAIR FLIGHT AND CONNECTION DESIGNED BY STAIR SUPPLIER
TWO LAYERS OF POLY SHEET TYP. CONT.
MIN. FOUNDATION WALL SEE ABOVE

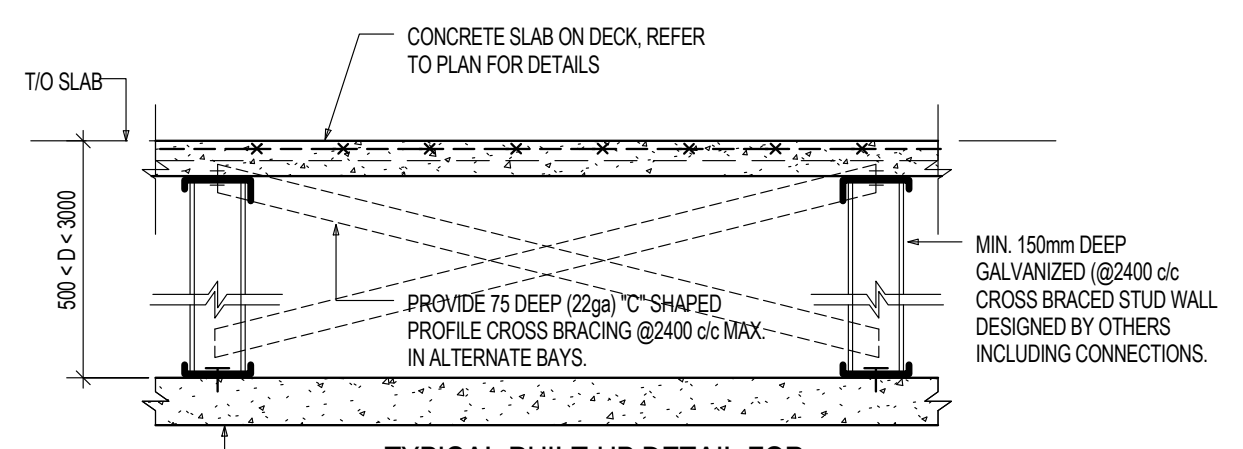
SUPPORT FOR STAIRS AT GRADE
FOR STEEL STAIRS

TYPICAL SUMP PIT DETAIL — T-C51

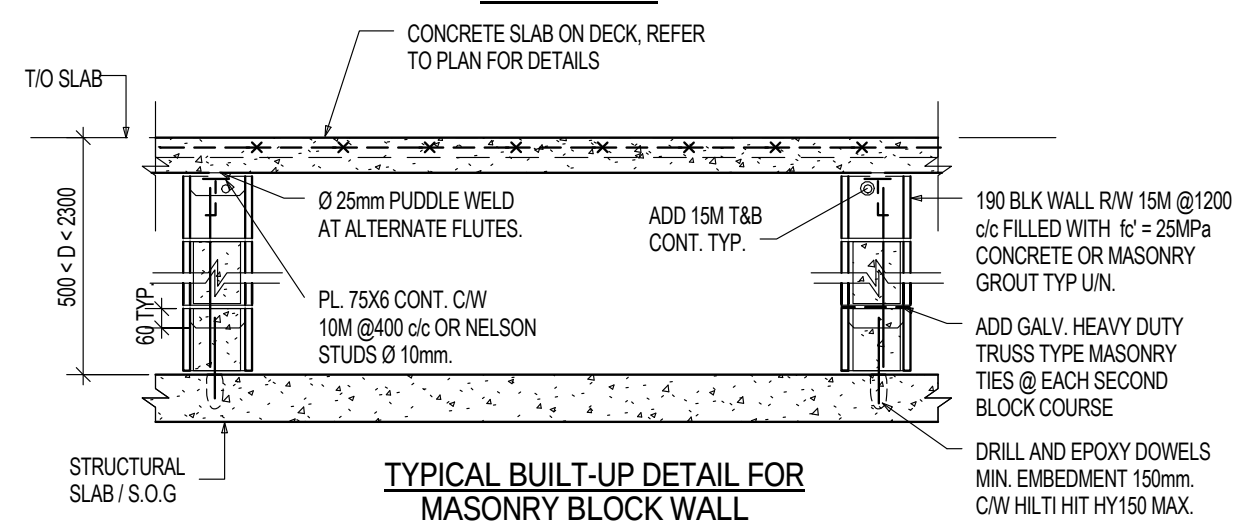

OIL RESISTANT FLEXIBLE SEALANT
TWO LAYERS OF POLY SHEETS
TOP OF SLAB ON GRADE
COVER STRUCTURE DESIGNED BY OTHERS
GALVANIZED L50X50X6 C/W M12@300 O/C NELSON STUDS L=75
ADD 2-10M CONTINUOUS FRAMING BARS (ALL AROUND)
SEE PLAN/SECTION FOR REINFORCING

TYPICAL SUMP PIT DETAIL

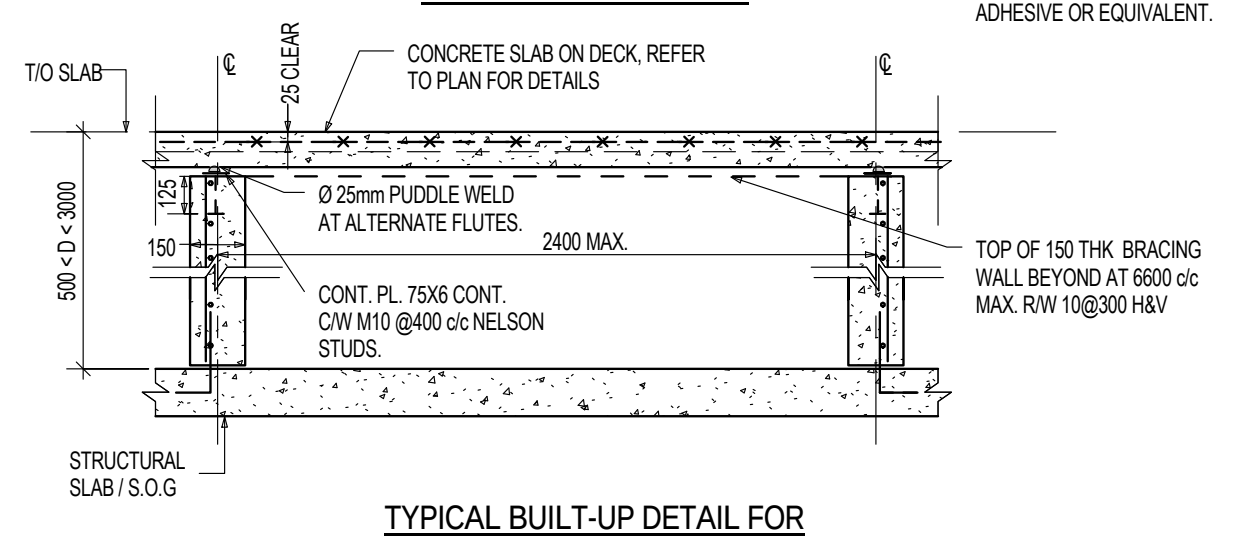
BUILT-UP FLOOR DETAILS - CONCRETE ON DECK (FILL DEPTH (D) > 500mm) — T-C52


CONCRETE SLAB ON DECK, REFER TO PLAN FOR DETAILS
T/O SLAB
STRUCTURAL SLAB / S.O.G

TYPICAL BUILT-UP DETAIL FOR STUD WALLS

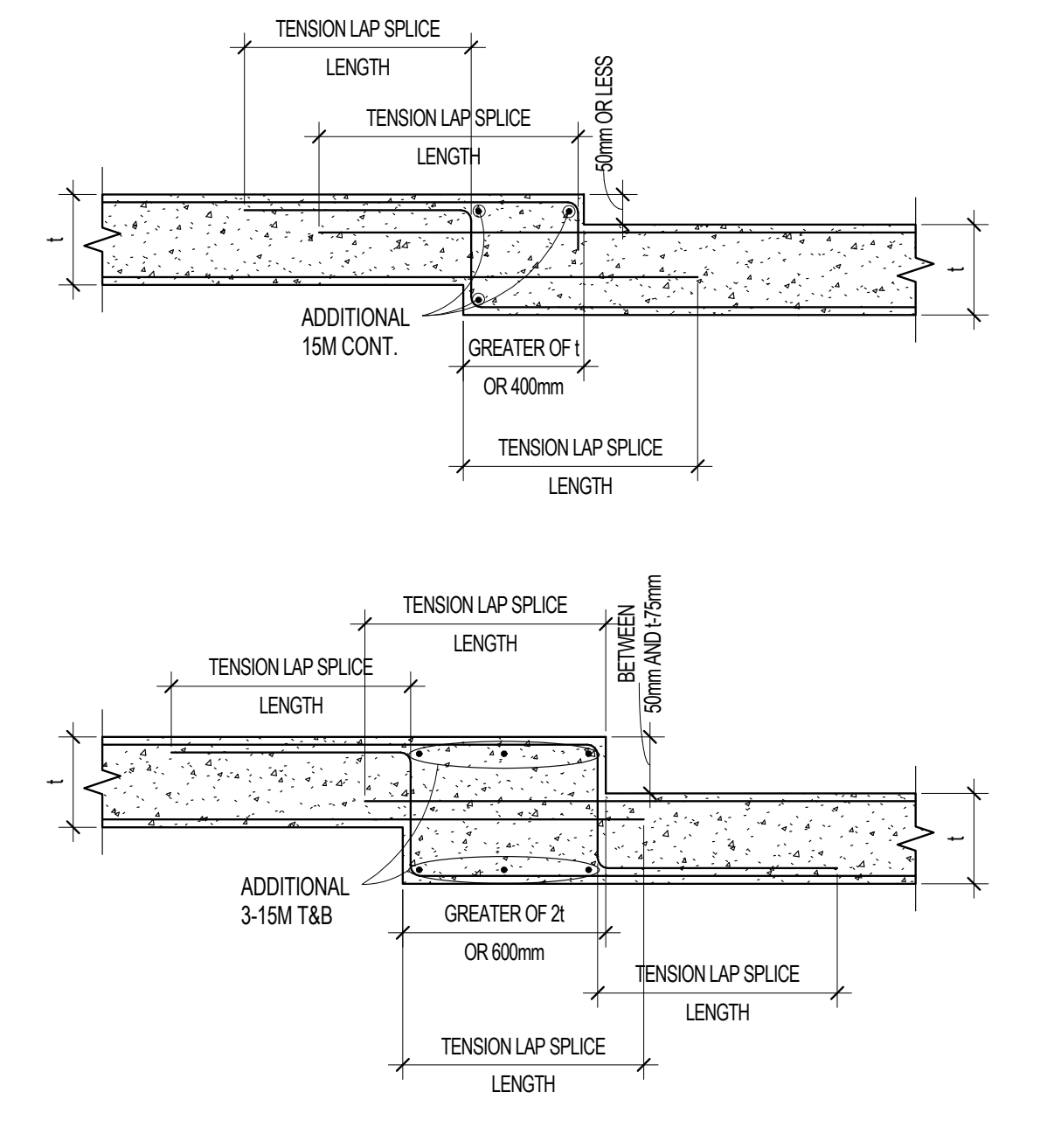

CONCRETE SLAB ON DECK, REFER TO PLAN FOR DETAILS
STRUCTURAL SLAB / S.O.G

TYPICAL BUILT-UP DETAIL FOR MASONRY BLOCK WALL


CONCRETE SLAB ON DECK, REFER TO PLAN FOR DETAILS
T/O SLAB
STRUCTURAL SLAB / S.O.G

TYPICAL BUILT-UP DETAIL FOR CONCRETE CURB

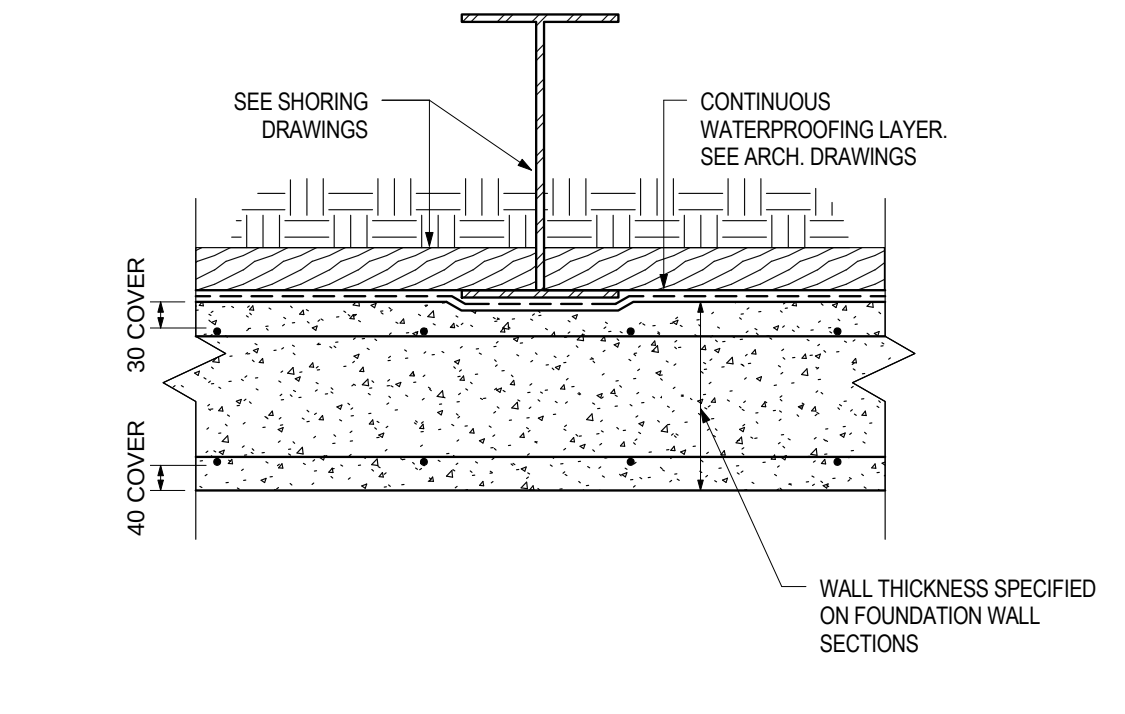
MIDSPAN SLAB DEPRESSION REINFORCING DETAILS — T-C53


TENSION LAP SPLICE LENGTH
ADDITIONAL 15M CONT.
GREATER OF 2t OR 400mm
ADDITIONAL 3-15M T&B
GREATER OF 2t OR 500mm

MIDSPAN SLAB DEPRESSION REINFORCING DETAILS

NOTE: FOR SLAB DEPRESSIONS GREATER THAN "t-75mm"
SEE SECTIONS.

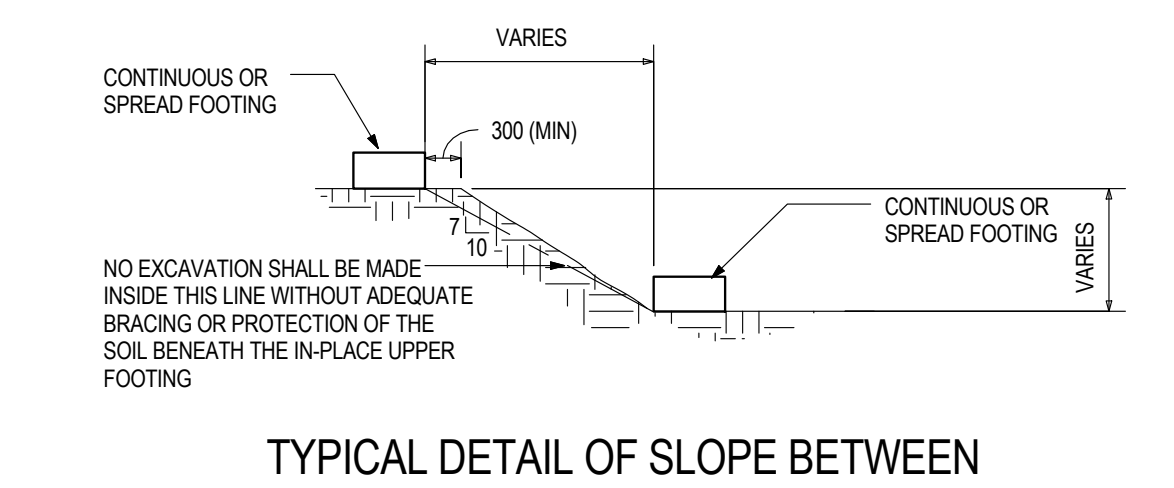
TYPICAL FOUNDATION WALL AGAINST SHORING — T-F02


SEE SHORING DRAWINGS
CONTINUOUS WATERPROOFING LAYER, SEE ARCH. DRAWINGS
WALL THICKNESS SPECIFIED ON FOUNDATION WALL SECTIONS

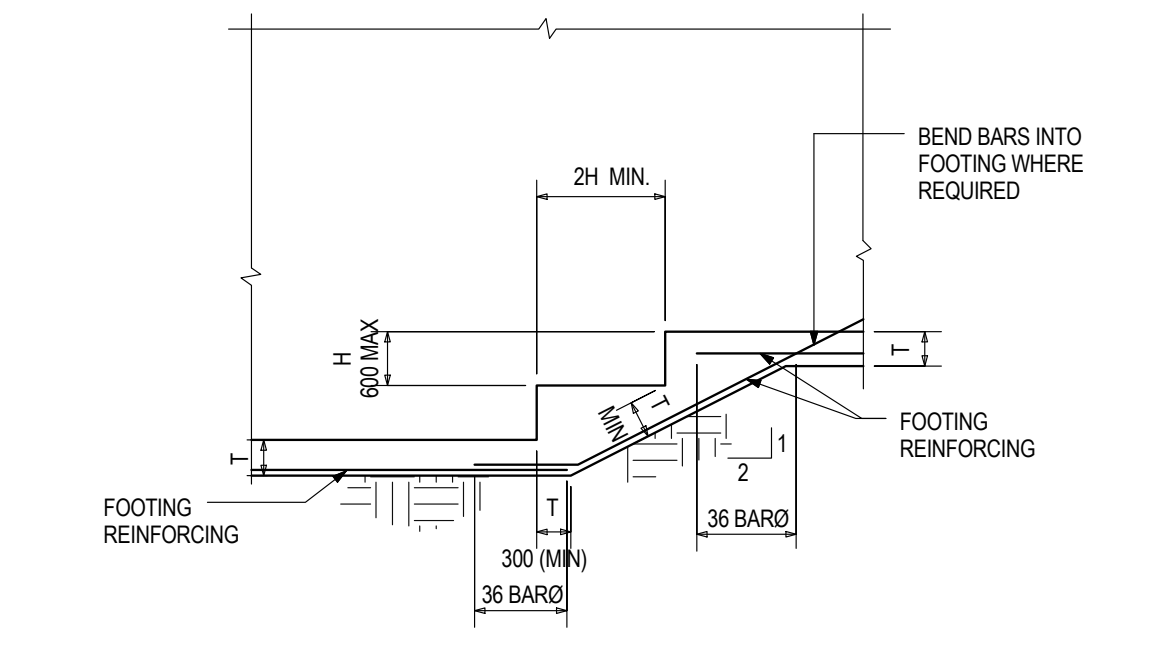
TYPICAL DETAIL OF FOUNDATION WALL AGAINST SHORING

SEE ALSO IT-C05 FOR CONSTRUCTION JOINT DETAIL AND SPACING

TYPICAL STEPPED FOOTING DETAILS — T-F09

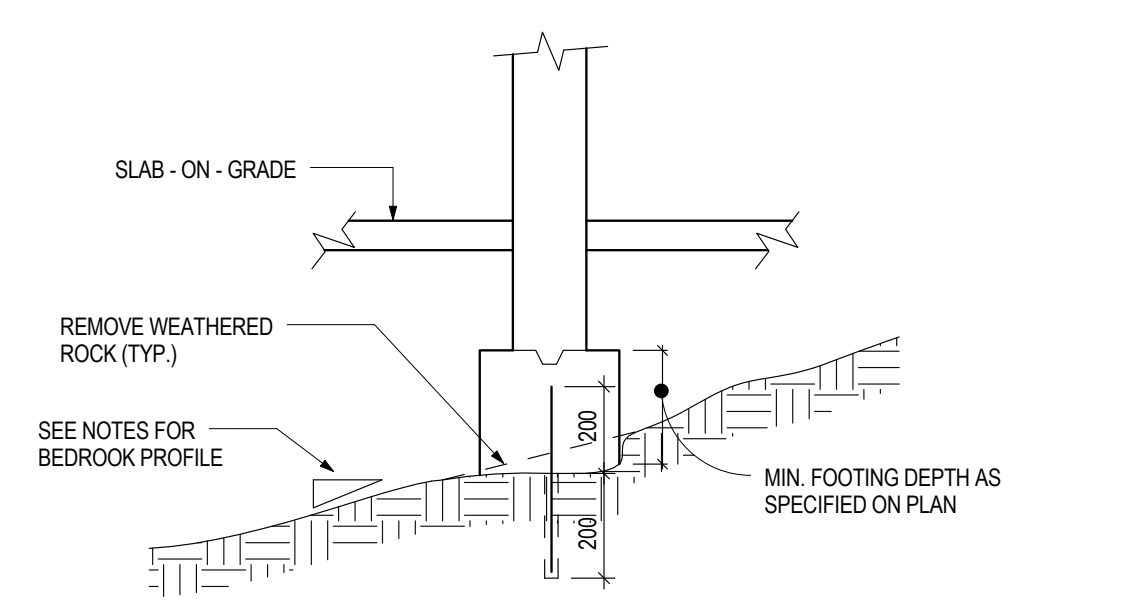

VARIES
CONTINUOUS OR SPREAD FOOTING
300 (MIN)
NO EXCAVATION SHALL BE MADE INSIDE THIS LINE WITHOUT ADEQUATE BRACING OR PROTECTION OF THE SOIL BENEATH THE IN-PLACE UPPER FOOTING
CONTINUOUS OR SPREAD FOOTING

TYPICAL DETAIL OF SLOPE BETWEEN FOOTING AND ADJACENT CONSTRUCTION

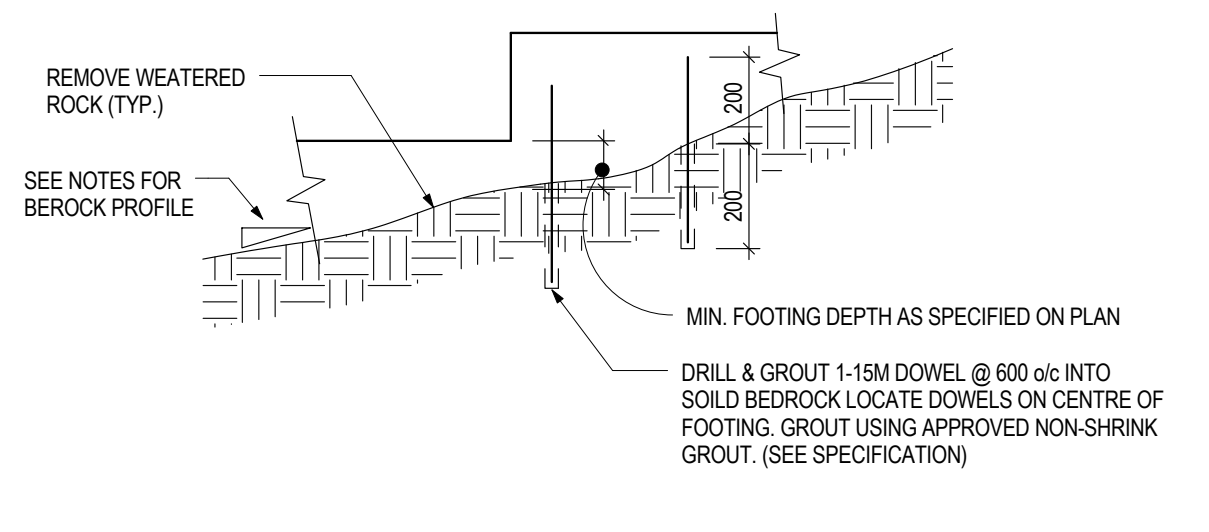

BEND BARS INTO FOOTING WHERE REQUIRED
FOOTING REINFORCING
FOOTING REINFORCING
36 BAR Ø

TYPICAL DETAIL OF STEPPED WALL FOOTING

TYPICAL FOOTING ON BEDROCK — T-F10


SLAB - ON - GRADE
REMOVE WEATHERED ROCK (TYP.)
SEE NOTES FOR BEDROCK PROFILE
MIN. FOOTING DEPTH AS SPECIFIED ON PLAN

TYPICAL SECTION THROUGH WALL FOOTINGS


REMOVE WEATHERED ROCK (TYP.)
SEE NOTES FOR BEDROCK PROFILE
MIN. FOOTING DEPTH AS SPECIFIED ON PLAN
DRILL & GROUT 1-15M DOWEL @ 600 o/c INTO SOILD BEDROCK LOCATE DOWELS ON CENTRE OF FOOTING. GROUT USING APPROVED NON-SHRINK GROUT. (SEE SPECIFICATION)

TYPICAL ELEVATION OF FOOTING FOR FOUNDATION WALLS

NOTES:
FOR BEDROCK PROFILE UP TO 1 IN 4 - NO DOWELS REQUIRED
FOR BEDROCK PROFILE FROM 1 IN 4 TO 1 IN 2 - PROVIDE DOWELS
FOR BEDROCK PROFILE GREATER THAN 1 IN 2 - CUT ROCK TO MAX. 1 IN 2.

COMPRESSION-TENSION DEVELOPMENT AND LAP LENGTHS Fy = 400 MPa — T-C56A

NOTES
1. STANDARD ABBREVIATIONS ON PLANS AND SCHEDULES SHOULD BE AS FOLLOWS
CLS - COMPRESSION LAP SPLICE
CDL - COMPRESSION DEVELOPMENT LENGTH
HEL - HOOK EMBEDMENT LENGTH

COMPRESSION LAP SPLICE AND DEVELOPMENT LENGTHS (Fy = 400 MPa)

CLS: COMPRESSION LAP SPLICE LENGTH

UNCOATED BLACK BAR							
10M	15M	20M	25M	30M	35M	45M	55M
330	470	570	740	880	1050	1280	1650

CDL: COMPRESSION DEVELOPMENT LENGTH

fc'	UNCOATED BLACK BAR							
	10M	15M	20M	25M	30M	35M	45M	55M
20MPa	250	340	420	540	640	770	940	1210
25MPa	220	310	380	480	570	690	840	1080
30MPa	200	280	340	440	530	630	770	990
35MPa	200	280	340	440	530	630	770	990
40MPa	200	280	340	440	530	630	770	990
> 40 MPa	SEE MINUMUM VALUES IN ROW ABOVE							

NOTES:
1. IF BUNDLED BARS ARE USED THE VAULES IN THE TABLES MUST BE INCREASED:
a. MULTIPLY BY 1.1 (TWO BAR BUNDLES)
b. MULTIPLY BY 1.2 (THREE BAR BUNDLES)
c. MULTIPLY BY 1.33 (FOUR BAR BUNDLES)

HEL: STANDARD HOOK TENSION EMBEDMENT LENGTHS

fc'	UNCOATED BLACK BAR					
	10M	15M	20M	25M	30M	35M
20MPa	260	360	440	570	670	800
25MPa	230	320	390	510	600	720
30MPa	210	300	360	470	550	660
35MPa	200	280	330	430	510	610
40MPa	180	260	310	400	480	570
45MPa	170	240	300	380	450	540
50MPa	160	230	280	360	430	510
55MPa	160	220	270	340	410	490

NOTES:
1. FOR EPOXY COATED BARS THE VALUES IN THE TABLES MUST BE INCREASED:
a. MULTIPLY BY 1.2 (WHEN CLEAR COVER GREATER THAN 3 X BAR DIAMETER AND CLEAR SPACING GREATER THAN 6 X BAR DIAMETER)
b. MULTIPLY BY 1.5 (WHEN COVER OR SPACING ARE LESS THAN ABOVE)
2. VALUES PROVIDED ARE BASED ON NORMAL WEIGHT CONCRETE AND MUST BE INCREASED FOR LIGHTWEIGHT CONCRETES:
a. MULTIPLY BY 1.2 (FOR SEMI-LOW DENSITY CONCRETE)
b. MULTIPLY BY 1.3 (FOR LOW-DENSITY CONCRETE)

TENSION DEVELOPMENT AND LAP LENGTHS Fy = 400 MPa — T-C56B

NOTES
1. STANDARD ABBREVIATIONS ON PLANS AND SCHEDULES SHOULD BE AS FOLLOW
TLS - TENSION LAP SPLICE
TDL - TENSION DEVELOPMENT LENGTH

TENSION LAP SPLICE AND DEVELOPMENT LENGTHS (Fy = 400 MPa)

TLS: TENSION LAP SPLICE LENGTH (CLASS B)

fc'	UNCOATED BLACK BAR											
	10M		15M		20M		25M		30M		35M	
	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom
20MPa	620	480	880	670	1070	820	1720	1320	2040	1560	2430	1870
25MPa	550	430	780	600	950	740	1530	1180	1820	1400	2170	1680
30MPa	510	390	720	550	870	670	1400	1080	1660	1280	1980	1530
35MPa	470	360	660	510	810	620	1300	1000	1540	1190	1840	1420
40MPa	440	340	620	480	760	580	1210	940	1440	1110	1720	1330
45MPa	410	320	590	450	710	550	1140	880	1360	1050	1620	1250
50MPa	390	300	560	430	680	520	1090	840	1290	990	1540	1190
55MPa	380	300	530	410	640	500	1030	800	1230	950	1470	1130
60MPa	360	300	510	390	620	480	990	770	1180	910	1400	1080
65MPa	350	300	490	380	590	460	950	740	1130	870	1350	1040

TDL: TENSION DEVELOPMENT LENGTH

fc'	UNCOATED BLACK BAR											
	10M		15M		20M		25M		30M		35M	
	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom
20MPa	480	360	670	520	820	630	1320	1020	1560	1210	1870	1440
25MPa	430	330	600	470	740	570	1180	910	1400	1080	1680	1290
30MPa	390	300	550	430	670	520	1080	830	1280	990	1530	1180
35MPa	360	300	510	390	620	480	1000	770	1190	910	1420	1090
40MPa	340	300	480	370	580	450	940	720	1110	860	1330	1020
45MPa	320	300	450	350	550	420	880	680	1050	810	1250	960
50MPa	300	300	430	330	520	400	840	650	990	770	1190	910
55MPa	300	300	410	320	500	380	800	620	950	730	1130	870
60MPa	300	300	390	300	480	370	770	590	910	700	1080	830
65MPa	300	300	380	300	460	360	740	570	870	680	1040	800

NOTES:
1. FOR EPOXY COATED BARS THE VALUES IN THE TABLES MUST BE INCRESED:
a. MULTIPLY BY 1.2 (WHEN CLEAR COVER GREATER THAN 3 X BAR DIAMETER AND CLEAR SPACING GREATER THAN 6 X BAR DIAMETER)
b. MULTIPLY BY 1.5 (WHEN COVER OR SPACING ARE LESS THAN ABOVE)
2. VALUES PROVIDED ARE BASED ON NORMAL WEIGHT CONCRETE AND MUST BE INCREASED FOR LIGHTWEIGHT CONCRETES:
a. MULTIPLY BY 1.2 (FOR SEMI-LOW DENSITY CONCRETE)
b. MULTIPLY BY 1.3 (FOR LOW-DENSITY CONCRETE)
3. IF BUNDLED BARS ARE USED THE VAULES IN THE TABLES MUST BE INCREASED:
a. MULTIPLY BY 1.1 (TWO BAR BUNDLES)
b. MULTIPLY BY 1.2 (THREE BAR BUNDLES)
c. MULTIPLY BY 1.33 (FOUR BAR BUNDLES)

TENSION AND COMPRESSION DEVELOPMENT AND LAP LENGTHS Fy = 500 MPa — T-C57A

NOTES
1. STANDARD ABBREVIATIONS ON PLANS AND SCHEDULES SHOULD BE AS FOLLOWS

CLS - COMPRESSION LAP SPLICE
CDL - COMPRESSION DEVELOPMENT LENGTH
HEL - HOOK EMBEDMENT LENGTH

COMPRESSION LAP SPLICE AND DEVELOPMENT LENGTHS (Fy = 500 MPa)

CLS: COMPRESSION LAP SPLICE LENGTH

UNCOATED BLACK BAR							
10M	15M	20M	25M	30M	35M	45M	55M
490	680	830	1080	1280	1520	1840	2400

CDL: COMPRESSION DEVELOPMENT LENGTH

fc'	UNCOATED BLACK BAR							
	10M	15M	20M	25M	30M	35M	45M	55M
20MPa	310	430	530	680	810	960	1180	1520
25MPa	280	390	470	610	720	860	1050	1360
30MPa	250	360	430	560	660	790	970	1250
35MPa	250	360	430	560	660	790	970	1250
40MPa	250	360	430	560	660	790	970	1250
> 40 MPa	SEE MINUMUM VALUES IN ROW ABOVE							

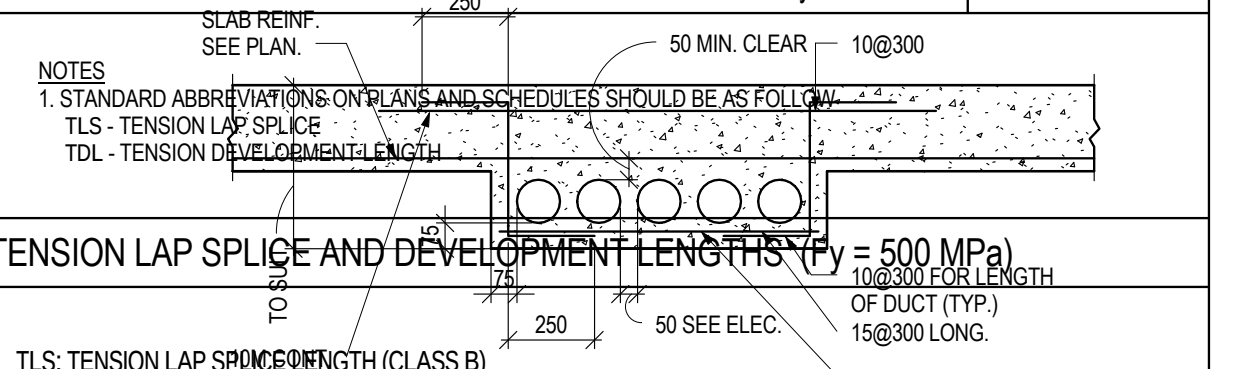
NOTES:
1. IF BUNDLED BARS ARE USED THE VAULES IN THE TABLES MUST BE INCREASED:
a. MULTIPLY BY 1.1 (TWO BAR BUNDLES)
b. MULTIPLY BY 1.2 (THREE BAR BUNDLES)
c. MULTIPLY BY 1.33 (FOUR BAR BUNDLES)

HEL: STANDARD HOOK TENSION EMBEDMENT LENGTHS

fc'	UNCOATED BLACK BAR					
	10M	15M	20M	25M	30M	35M
20MPa	320	450	550	710	840	1000
25MPa	290	400	490	630	750	900
30MPa	260	370	450	580	690	820
35MPa	240	340	420	540	640	760
40MPa	230	320	390	500	600	710
45MPa	220	300	370	470	560	670
50MPa	200	290	350	450	530	640
55MPa	200	270	330	430	510	610

NOTES:
1. FOR EPOXY COATED BARS THE VALUES IN THE TABLES MUST BE INCREASED:
a. MULTIPLY BY 1.2 (WHEN CLEAR COVER GREATER THAN 3 X BAR DIAMETER AND CLEAR SPACING GREATER THAN 6 X BAR DIAMETER)
b. MULTIPLY BY 1.5 (WHEN COVER OR SPACING ARE LESS THAN ABOVE)
2. VALUES PROVIDED ARE BASED ON NORMAL WEIGHT CONCRETE AND MUST BE INCREASED FOR LIGHTWEIGHT CONCRETES:
a. MULTIPLY BY 1.2 (FOR SEMI-LOW DENSITY CONCRETE)
b. MULTIPLY BY 1.3 (FOR LOW-DENSITY CONCRETE)

TENSION AND COMPRESSION DEVELOPMENT AND LAP LENGTHS Fy = 500 MPa — T-C57B


250
SLAB REINF. SEE PLAN.
50 MIN. CLEAR
10@300
75
75
TO SUIT
250
50 SEE ELEC.
10@300 FOR LENGTH OF DUCT (TYP.)
15@300 LONG.
10@300

TYPICAL CONCRETE ENCASED ELECTRICAL DUCT BANKPOURED MONOLITHICALLY WITH SLAB

NOTES
1. STANDARD ABBREVIATIONS ON PLANS AND SCHEDULES SHOULD BE AS FOLLOW
TLS - TENSION LAP SPLICE
TDL - TENSION DEVELOPMENT LENGTH

TENSION LAP SPLICE AND DEVELOPMENT LENGTHS (Fy = 500 MPa)

TLS: TENSION LAP SPLICE LENGTH (CLASS B)

fc'	UNCOATED BLACK BAR											
	10M		15M		20M		25M		30M		35M	
	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom
20MPa	600	770	840	1090	1030	1330	1650	2150	1960	2550	2340	3040
25MPa	530	690	750	980	920	1190	1480	1920	1750	2280	2090	2720
30MPa	490	630	690	890	840	1090	1350	1750	1600	2080	1910	2480
35MPa	450	590	640	830	780	1010	1250	1620	1480	1930	1770	2300
40MPa	420	550	600	770	730	940	1170	1520	1390	1800	1660	2150
45MPa	400	520	560	730	690	890	1100	1430	1310	1700	1560	2030
50MPa	380	490	530	690	650	840	1050	1360	1240	1610	1480	1920
55MPa	360	470	510	660	620	800	1000	1300	1180	1540	1410	1840
60MPa	350	450	490	630	590	770	960	1240	1130	1470	1350	1760
65MPa	330	430	470	600	570	740	920	1190	1090	1420	1300	1690

TDL: TENSION DEVELOPMENT LENGTH

fc'	UNCOATED BLACK BAR											
	10M		15M		20M		25M		30M		35M	
	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom
20MPa	460	600	650	840	790	1030	1270	1650	1510	1960	1800	2340
25MPa	410	530	580	750	710	920	1140	1480	1350	1750	1610	2090
30MPa	380	490	530	690	650	840	1040	1350	1230	1600	1470	1910
35MPa	350	450	490	640	600	780	960	1250	1140	1480	1360	1770
40MPa	330	420	460	600	560	730	900	1170	1070	1390	1280	1660
45MPa	310	400	430	560	530	690	850	1100	1010	1310	1200	1560
50MPa	290	380	410	530	500	650	810	1050	960	1240	1140	1480
55MPa	280	360	390	510	480	620	770	1000	910	1180	1090	1410
60MPa	270	350	380	490	460	590	740	960	870	1130	1040	1350
65MPa	260	330	360	470	440	570	710	920	840	1090	1000	1300

NOTES:
1. FOR EPOXY COATED BARS THE VALUES IN THE TABLES MUST BE INCRESED:
a. MULTIPLY BY 1.2 (WHEN CLEAR COVER GREATER THAN 3 X BAR DIAMETER AND CLEAR SPACING GREATER THAN 6 X BAR DIAMETER)
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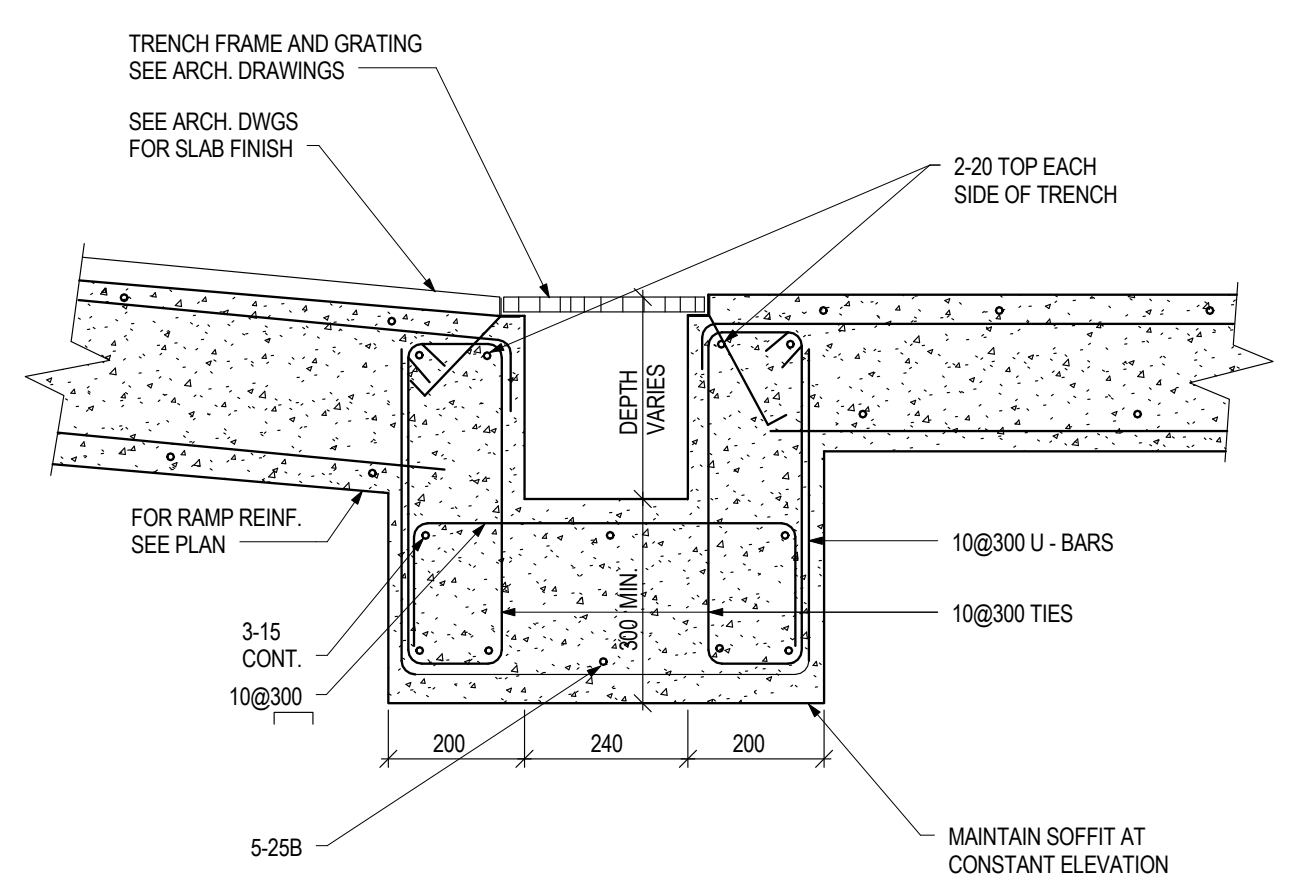
TRENCH FRAME AND GRATING SEE ARCH. DWGS
SEE ARCH. DWGS FOR SLAB FINISH
2-20 TOP EACH SIDE OF TRENCH
FOR RAMP REINF. SEE PLAN
3-15 CONT.
10@300 U - BARS
10@300 TIES
200
240
200
MAINTAIN SOFFIT AT CONSTANT ELEVATION
S-298

D-C03 TYPICAL TRENCH IN FRAMED RAMP SLAB

NON-LOAD BEARING BLOCK WALL LINTELS — T-M01

* ALTERNATIVES WHERE EXPOSED FACE OF SINGLE ANGLE IS NOT ACCEPTABLE:-
1. REINFORCED MASONRY LINTEL BLOCKS (SEE LINTEL NOTES)
2. DOUBLE ANGLES (SEE BELOW) (CUT BLOCKS TO SUIT)

NON-LOAD BEARING BLOCK WALL LINTELS

	T. NOMINAL \ CLEAR SPAN	300 TO 550 (12" TO 22")	550 TO 1220 (22" TO 4'-0")	1220 TO 1830 (4'-0" TO 6'-0")	1830 TO 2440 (6'-0" TO 8'-0")	2440 TO 3080 (8'-0" TO 10'-0")	3080 TO 3660 (10'-0" TO 12'-0")
	100	75x8 PL.	* 1L-90x90x6	* 1L-125x90x8 (LLV)	* 1L-125x90x8 (LLV)	N/A	N/A
	(4")	3x 5/16 PL.	* 1L-3½x3½x¼	* 1L-5x3½x 5/16 (LLV)	* 1L-5x3½x 5/16 (LLV)	N/A	N/A
	150	125x8 PL.	* 1L-125x90x6 (LLH)	* 1L-125x125x8	* 1L-125x125x8	* 1L-125x125x8	N/A
	(6")	5x 5/16 PL.	* 1L-5x3½x¼ (LLH)	* 1L-5x5x 5/16	* 1L-5x5x 5/16	* 1L-5x5x 5/16	N/A
	200	175x8 PL.	2Ls-90x90x6	2Ls-125x90x8 (LLV)	2Ls-125x90x8 (LLV)	W200x27 + 175x6 PL. BOTTOM	W200x27 + 175x6 PL. BOTTOM
	(8")	7x 5/16 PL.	2Ls-3½x3½x¼	2Ls-5x3½x 5/16 (LLV)	2Ls-5x3½x 5/16 (LLV)	W18x18 + 7x¼ PL. BOTTOM	W18x18 + 7x¼ PL. BOTTOM
	250	225x8 PL.	2Ls-100x90x6 (LLH)	2Ls-100x100x8	2Ls-150x100x8 (LLV)	W200x27 + 225x6 PL. BOTTOM	W200x27 + 225x6 PL. BOTTOM
	(10")	9x 5/16 PL.	2Ls-4x3½x¼ (LLH)	2Ls-4x4x 5/16	2Ls-6x4x 5/16 (LLV)	W18x18 + 9x¼ PL. BOTTOM	W18x18 + 9x¼ PL. BOTTOM
	300	275x8 PL.	3Ls-90x90x6	3Ls-125x90x8 (LLV)	N/A	N/A	N/A
	(12")	11x 5/16 PL.	3Ls-3½x3½x¼	3Ls-5x3½x 5/16 (LLV)	N/A	N/A	N/A
* ALT. 2.	100	N/A	2Ls-45x45x5	2Ls-55x35x6 (LLV)	N/A	N/A	N/A
	(4")	N/A	2Ls-1¾x1¾x 3/16	2Ls-2½x1½x¼ (LLV)	N/A	N/A	N/A
	150	N/A	2Ls-65x65x6	2Ls-90x65x6 (LLV)	2Ls-90x65x6 (LLV)	N/A	N/A
	(6")	N/A	2Ls-2½x2½x¼	2Ls-3½x2½x¼ (LLV)	2Ls-3½x2½x¼ (LLV)	N/A	N/A

Contractor Must Check And Verify All Dimensions On The Job.

Do Not Scale The Drawings.

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Date:

SEPT.21,2015
Z. TANASIJEVIC

SEPT.21,2015
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No	Issued For	Date
4	BUILDING PERMIT RESUBMISSION	SEPT.21,2015
3	BUILDING PERMIT RESUBMISSION	JULY 22,2015
2	BUILDING PERMIT SUBMISSION	JUNE 12,2015
1	ISSUED FOR WT REVIEW	MAY 01,2015

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title
TYPICAL DETAILS

Project
Hines TRIDEL
AQUAVISTA
Block 3 - R3 & R4
Merchant's Whart
Toronto, ON

Scale: 1 : 1
Drawn by: Author
Checked by: BBS
Project No.: 20140031
Date: SEPT.21,2015
Drawing No.: S8-02

Plot Date: 9/21/2015 4:00:29 PM