

GENERAL NOTES

- 1. ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND SHALL CONFORM TO THE PROJECT SPECIFICATIONS, INCLUDING THE 2020 NEW YORK STATE BUILDING CODE...

FOUNDATIONS

- 1. BUILDING FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL HAVING A MINIMUM BEARING CAPACITY OF 5000 PSF. ADEQUACY OF BEARING STRATUM SHALL BE VERIFIED IN FIELD PRIOR TO PLACING CONCRETE...

CONCRETE

- 1. ALL CONCRETE WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS: A. AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE REQUIREMENTS FOR CONCRETE (ACI 318)...

STRUCTURAL STEEL

- 1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS: A. AISC 360 "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS"...

Table with 2 columns: BEAM DEPTH (NOMINAL) and MIN. SHEAR CAPACITY LRFD (Kips). Rows include 8"-10", 12"-14", 16", 18", 21", 24"-27", 30", 33", 36", and 40"+.

- B. REINFORCING IS TO BE PROVIDED AT CONNECTIONS WHERE CUTS REDUCE THE SHEAR OR MOMENT CAPACITY BELOW THAT REQUIRED TO SUSTAIN THE REACTION, FLANGES AND WEBS ARE TO BE REINFORCED WHERE THE LOCAL CAPACITY TO SUSTAIN CONNECTION LOADS ARE INADEQUATE...

LINTELS SHALL BE INSTALLED OVER ALL OPENINGS IN MASONRY WALLS AS FOLLOWS:

Table with 2 columns: MASONRY LINTELS and LINTEL. Rows show dimensions like 4'-0" OR LESS and 4'-1" TO 7'-0" with corresponding lintel sizes like L4x3-1/2x5/16 LLV.

- A. 3-1/2" LEGS ARE HORIZONTAL. B. PROVIDE ONE ANGLE FOR EACH 4" OF WALL THICKNESS. C. PROVIDE LEGS AT 45 DEGREE ANGLES FOR 6" THICK WALLS AND PARTITIONS WITH OPENINGS UP TO 6' - 0"...

STEEL DECK

- 1. STEEL DECKING WORK SHALL CONFORM TO THE AISI NORTH AMERICAN "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS"...

POST-INSTALLED ADHESIVE AND MECHANICAL ANCHORS

- 1. POST INSTALLED ANCHORAGE SHALL BE INSTALLED BY QUALIFIED PERSONNEL PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII), AS INCLUDED IN THE ANCHOR PACKAGING...

SPECIAL INSPECTIONS (BCNYS 2020)

- 1. INSPECTIONS REQUIRED BY THE LOCAL JURISDICTION SHALL BE PERFORMED BY A TESTING AGENCY PROVIDED BY THE OWNER FOR THE FOLLOWING ITEMS: A. INSPECTION OF FABRICATORS (IBC 1704.2.5)...

STANDARD ABBREVIATIONS

Table with 2 columns: ABBREVIATION and DESCRIPTION. Lists terms like ADDL, ADJ, A/E, ALTERNATE, ANCH, APPROX, ARCH, BLDG, BEAN, B.O., BOT, BRG, BSMT, CANT, CFS, C.I.P., C.J., CLG, CLR, CMU, COL, COMP, CONC, CONST, CONT, COORD, CONTR, COTR, CTR, DBL, DEMO, DIA, DIM, D.L., DN, DWL, DWL(S), DWL, EAV, E.A., E.F., E.J., ELEV, ELEC, ELEV, EMBED, E.O., ENGR, E.O.R., EQ, E.S., E.W., EXP, EXT, FDN, FIN, FLR, FRMG, F.S., FT, FTG, GA, GALV, G.B., HDR, HGR, HORIZ, H.P., HT, HVAC, I.D., I.F., I.J., INFO, INT, JOINT, K, LB, L, L.L., LLB, LLH, LLV, L.P., L.W., LONG WAY, MASONRY, MAX, MECH, MEP, MFR, MISC, M.O., MPII, N.F., N.I.C., ENGINEER, ENGINEER OF RECORD, EQUAL, EACH SIDE, EACH WAY, EXPANSION, EXTERIOR, FOUNDATION, FINISH, FLOOR, FRAMING, FAR SIDE, FEET, FOOTING, GAGE, GALVANIZED, GRADE BEAM, HEADER, HANGER, HORIZONTAL, HIGH POINT, HEIGHT, HEATING, VENTILATION, & AIR CONDITIONING, INSIDE DIAMETER, INSIDE FACE, ISOLATION JOINT, INFORMATION, INTERIOR, JOINT, KIP, POUND, LIVE LOAD, LONG LEGS BACK-TO-BACK, LONG LEG HORIZONTAL, LONG LEG VERTICAL, LOW POINT, LIGHTWEIGHT, LONG WAY, MASONRY, MAXIMUM, MECHANICAL, MECH., ELECT., PLUMBING, & FIRE PROTECTION, MANUFACTURER, CONTRACTOR, MISCELLANEOUS, MASONRY OPENING, MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, NEAR FACE, NOT IN CONTRACT.

STANDARD ABBREVIATIONS FOR EXISTING STRUCTURES

Table with 2 columns: ABBREVIATION and DESCRIPTION. Lists terms like C.I., (E), EXIST, T.C., U.P., V.I.F., CAST IRON, EXISTING MEMBER OR DIMENSION, EXISTING, TERRA COTTA, UNDERPINNING, VERIFY IN FIELD.

STANDARD ABBREVIATIONS FOR WOOD STRUCTURES

Table with 2 columns: ABBREVIATION and DESCRIPTION. Lists terms like NO, N.S., ACT, GULIAM, LVL, NOM, PSL, P.T., R.O., SQ, T&G, NUMBER, NEAR SIDE, ACTUAL, GLUE LAMINATED TIMBER, LAMINATED STRAND LUMBER, LAMINATED VENEER LUMBER, NOMINAL, PARALLEL STRAND LUMBER, PRESERVATIVE TREATED ROUGH OPENING, SQUARE, TONGUE & GROOVE.

STRUCTURAL DELEGATED DESIGN

- 1. THE FOLLOWING SCOPE ITEMS ARE DELEGATED DESIGN ELEMENTS. FOR EACH ITEM NOTED HERE, PROVIDE DRAWINGS AND CALCULATIONS SIGNED/SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK FOR ARCHITECT AND ENGINEER REVIEW...

THIS LIST DOES NOT INCLUDE DELEGATED DESIGN ITEMS THAT ARE NOT PART OF THE BASE STRUCTURAL SYSTEM, SUCH AS METAL STAIRS. SEE THE PROJECT SPECIFICATIONS FOR ADDITIONAL DELEGATED DESIGN ITEMS.

THIS LIST DOES NOT INCLUDE UNDERPINNING. SEE SHEET S5.02 FOR UNDERPINNING REQUIREMENTS.

COLD FORMED METAL FRAMING

- 1. ALL COLD FORMED METAL FRAMING WORK SHALL COMPLY WITH THE AISI NORTH AMERICAN "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"...

FRAMING LUMBER

- 1. ALL FRAMING LUMBER WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS: A. AMERICAN WOOD COUNCIL "WOOD FRAME CONSTRUCTION MANUAL FOR ONE- AND TWO-FAMILY DWELLINGS"...

NOTE: SEE THE "TYPICAL NOTCH REINFORCEMENT DETAIL" AND "TYPICAL BEAM WEB PENETRATION" DETAIL ON S5.05 FOR ALLOWANCES TO BE INCLUDED IN THE BID QUANTITIES



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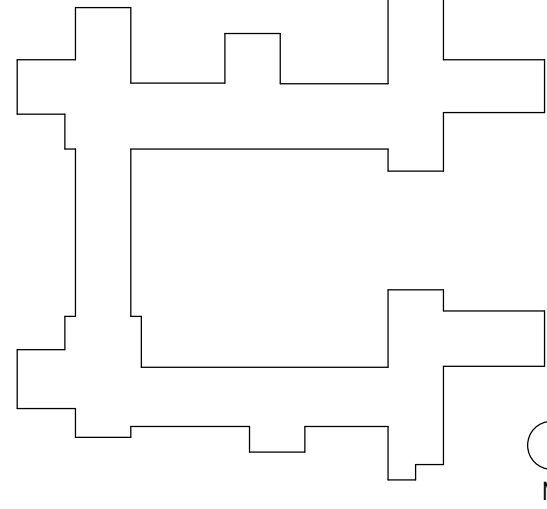
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KEY PLAN



Bid Set

ISSUED: 11/05/2021

REVISIONS

Table with 3 columns: NO., DESCRIPTION, and DATE. Contains one revision entry dated 4/29/2022.

ISSUE

GENERAL NOTES

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CHECKED: Checker SCALE: 1" = 1'-0"

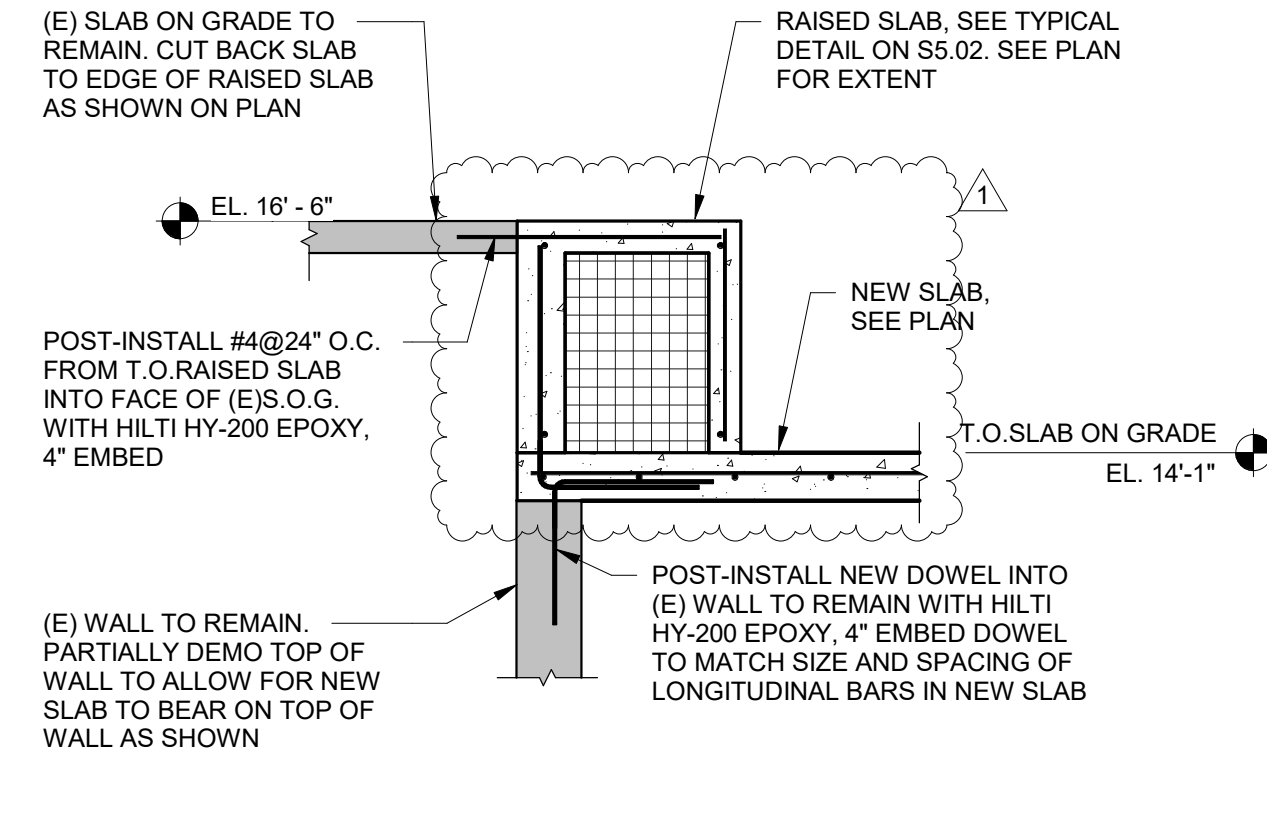
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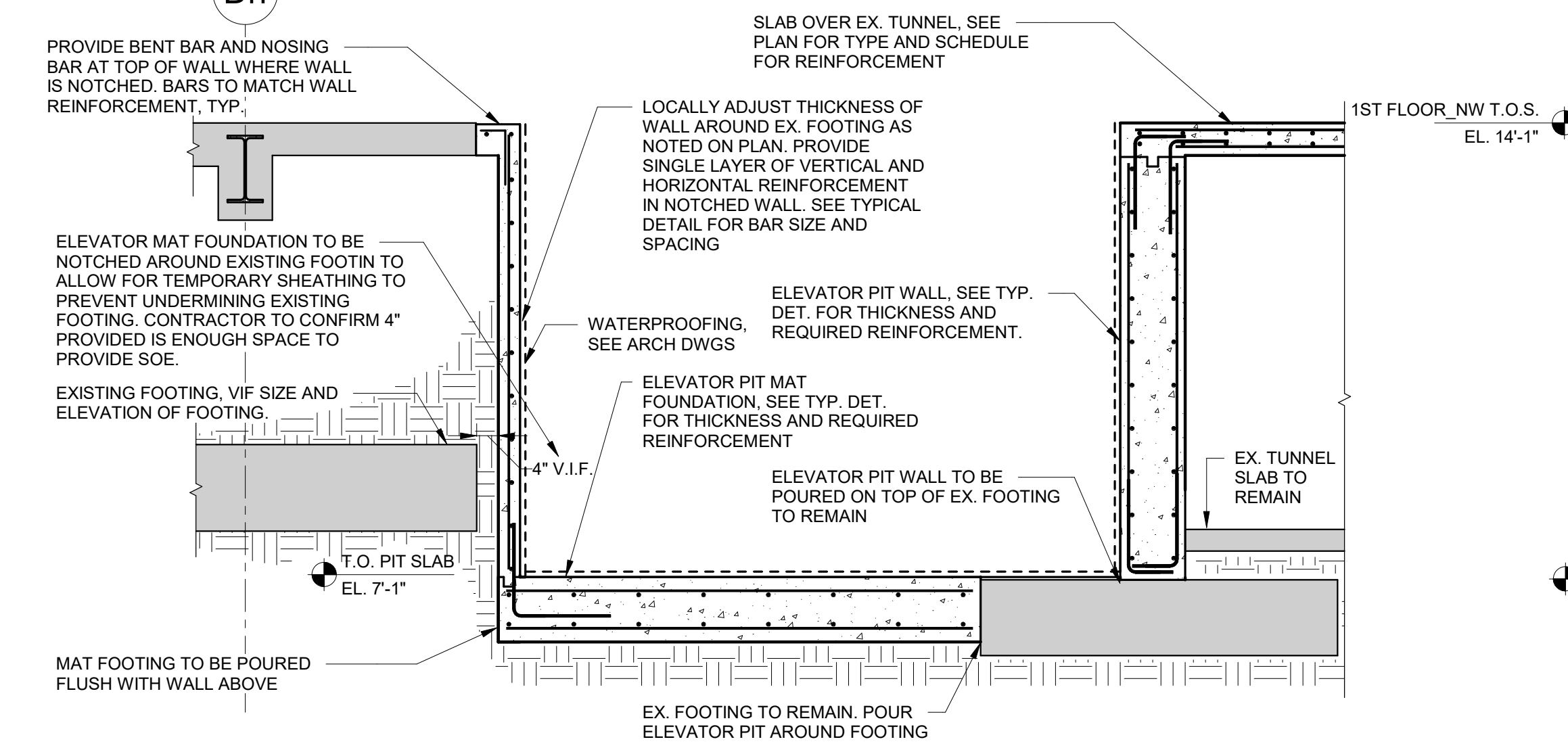
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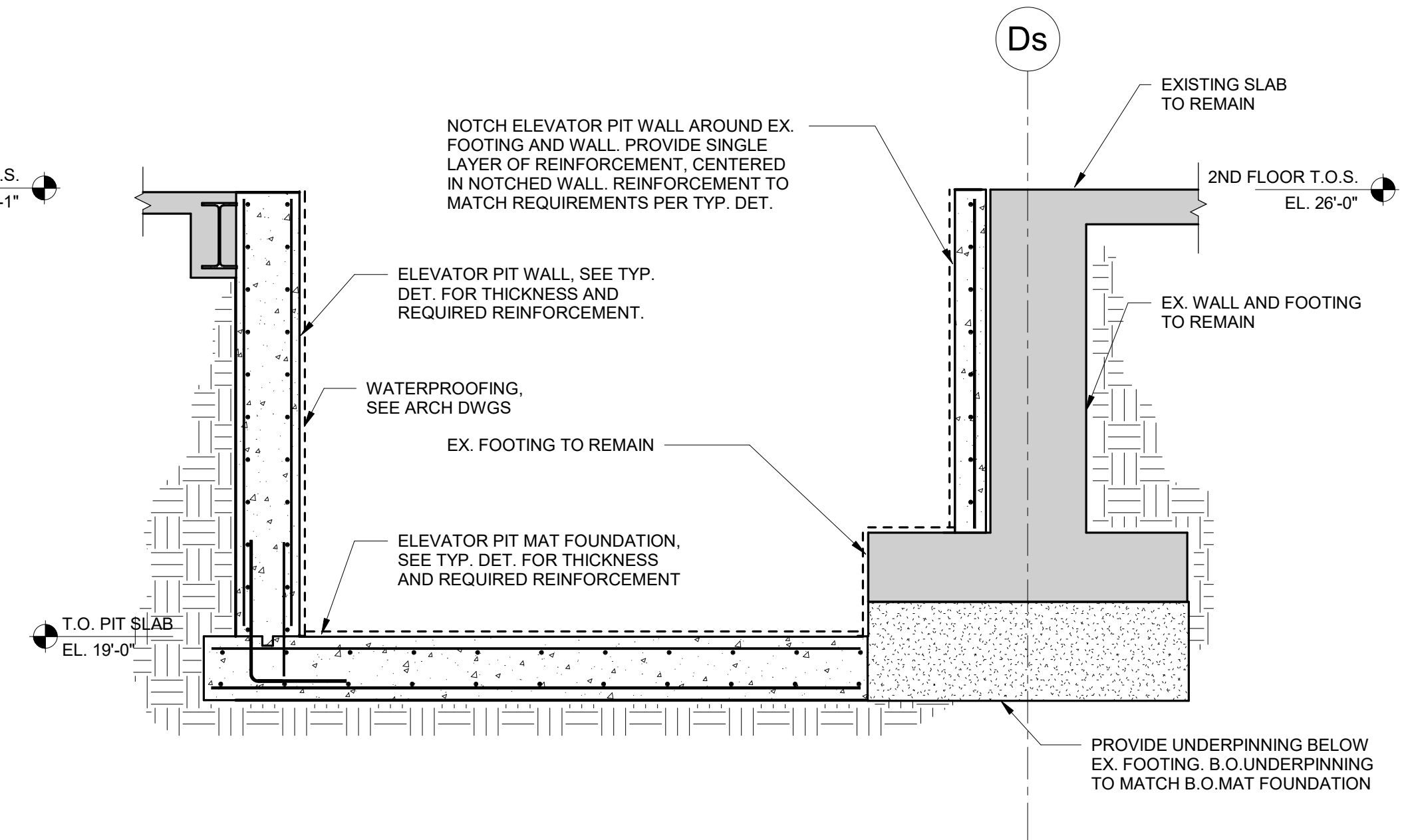
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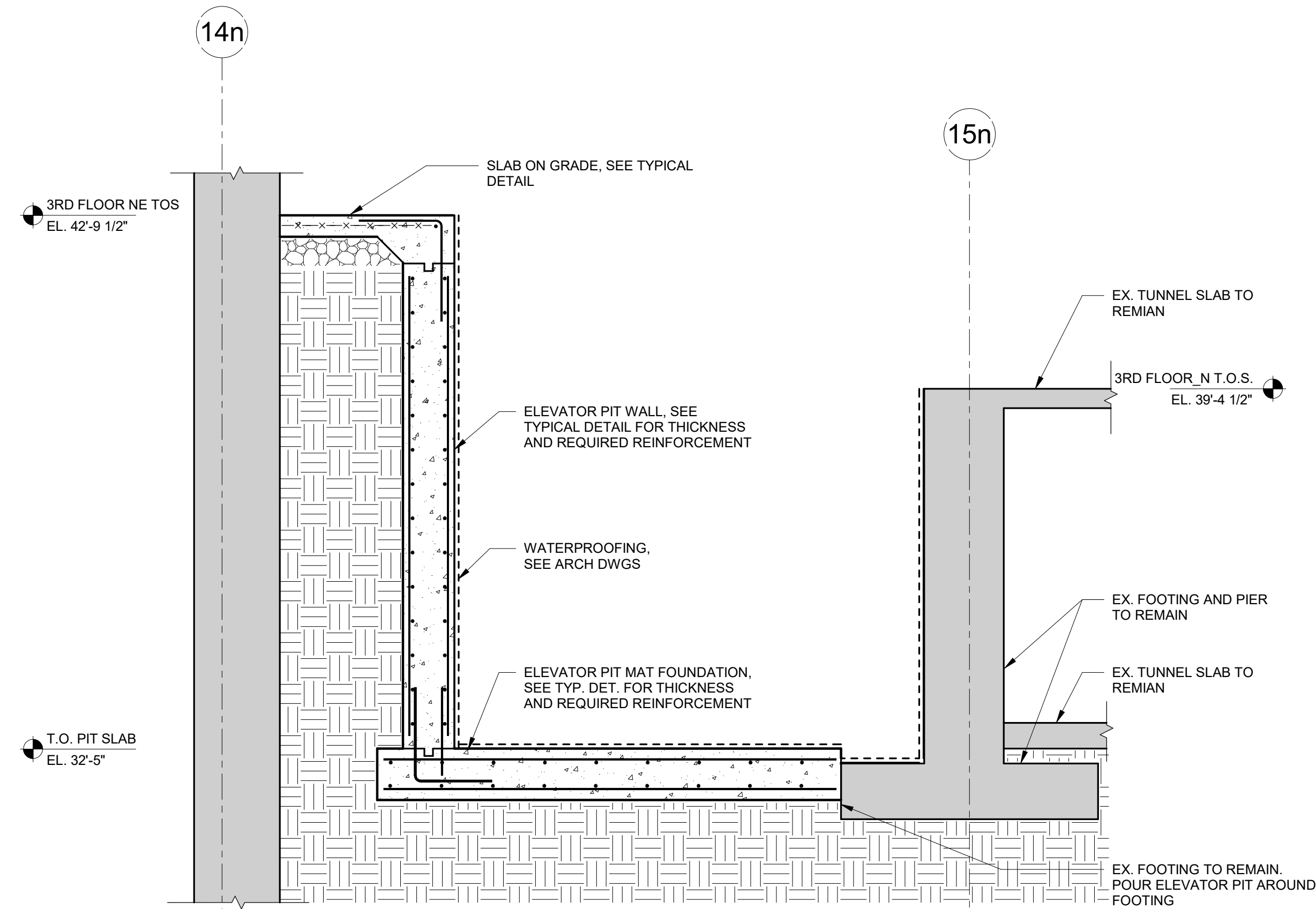
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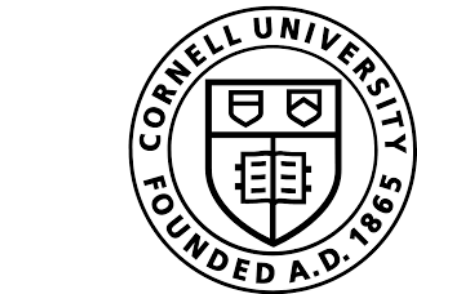
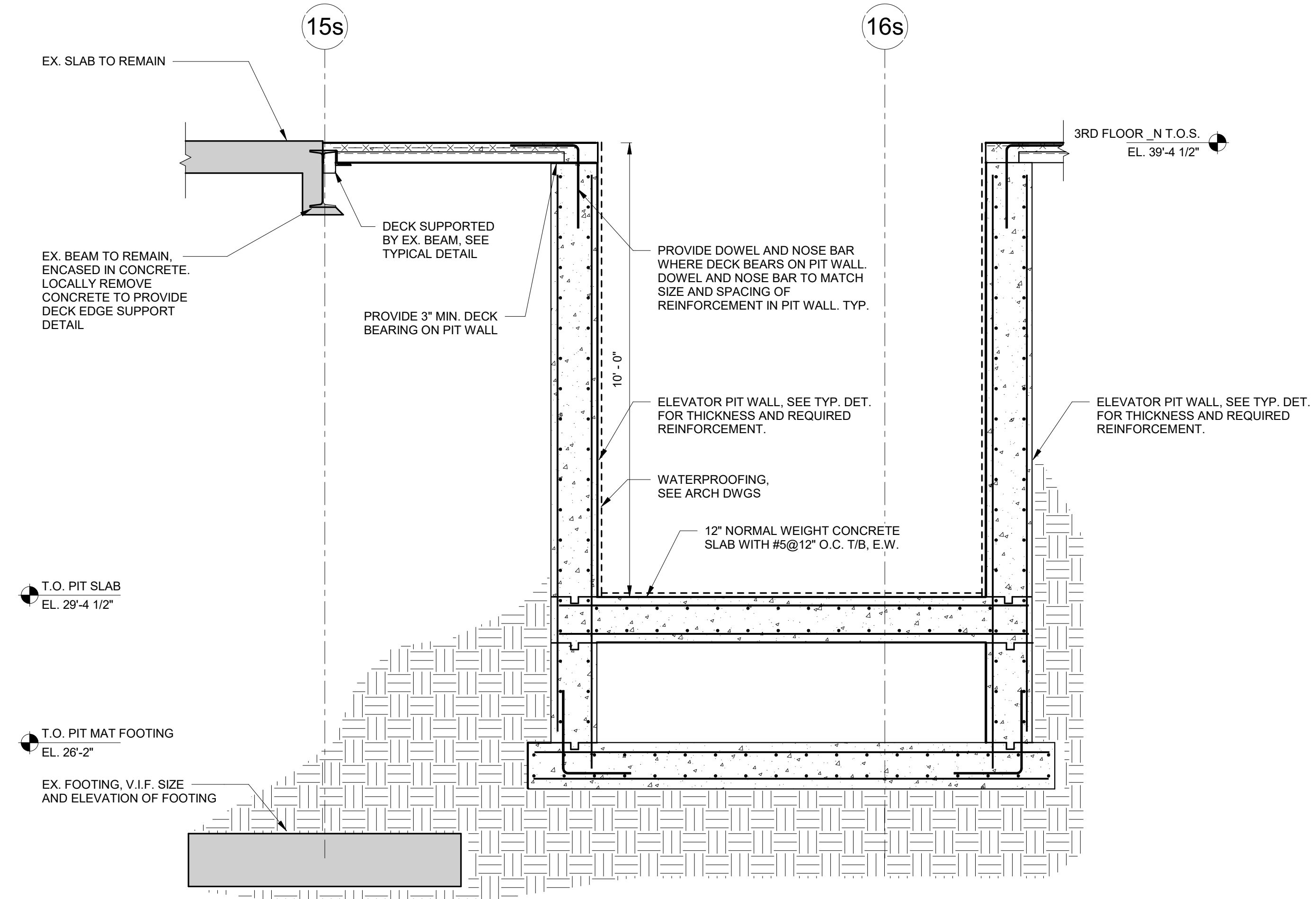
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5 SECTION
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4 SECTION
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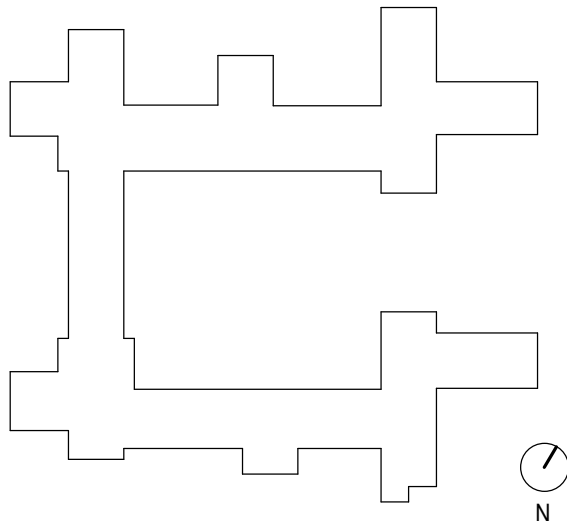
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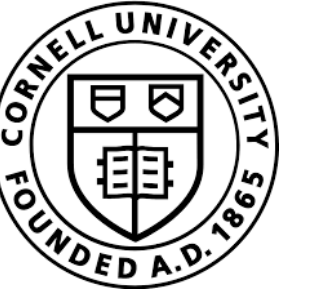
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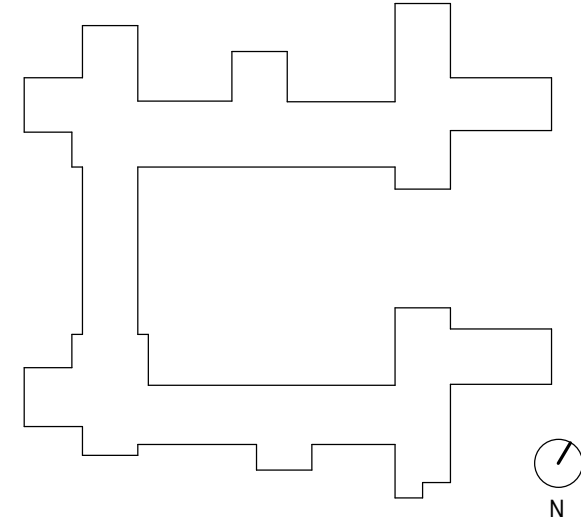
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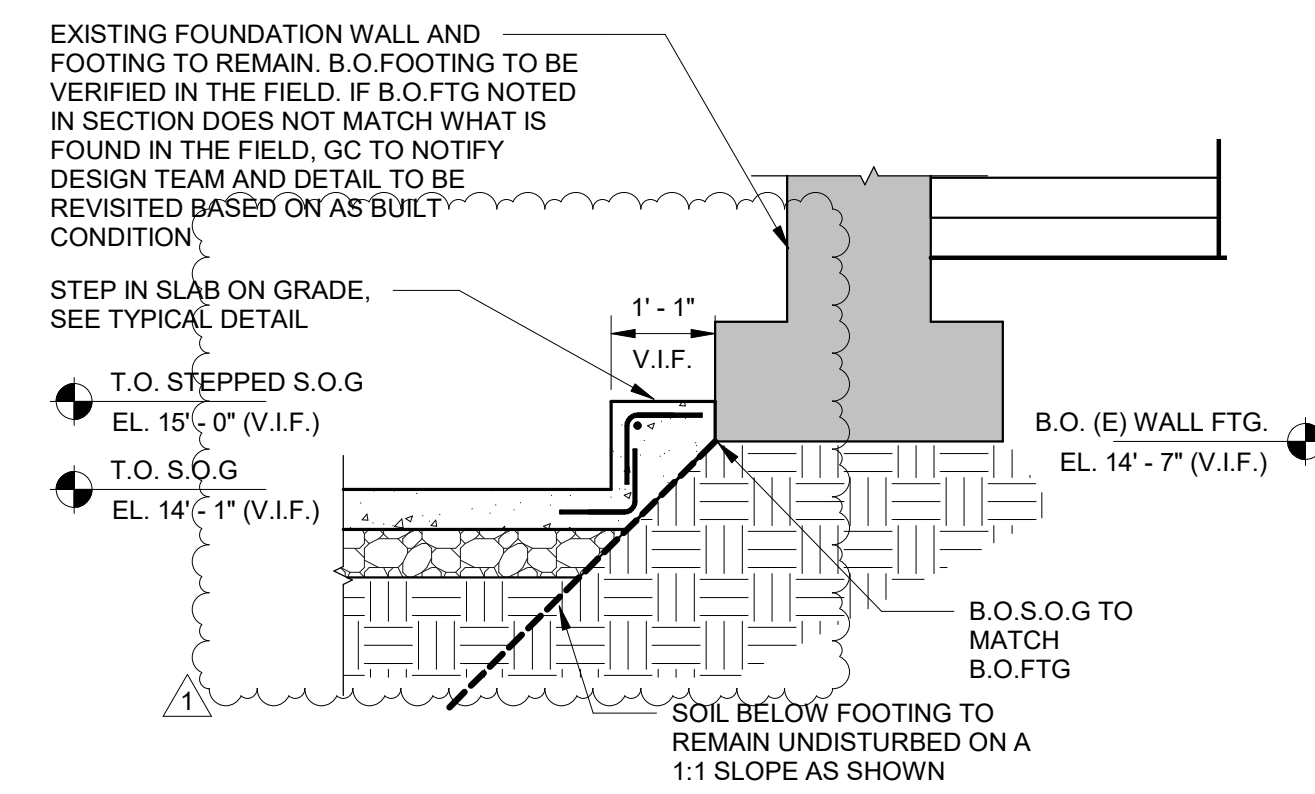
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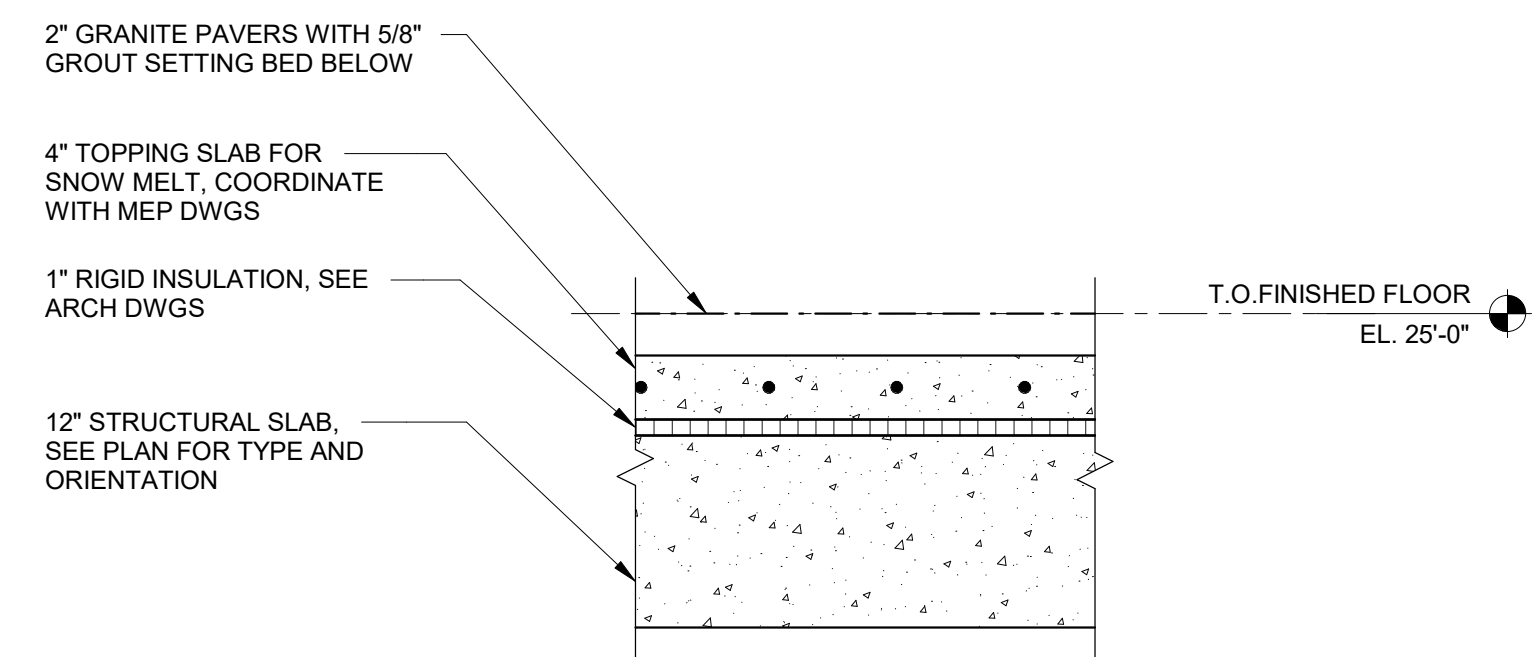
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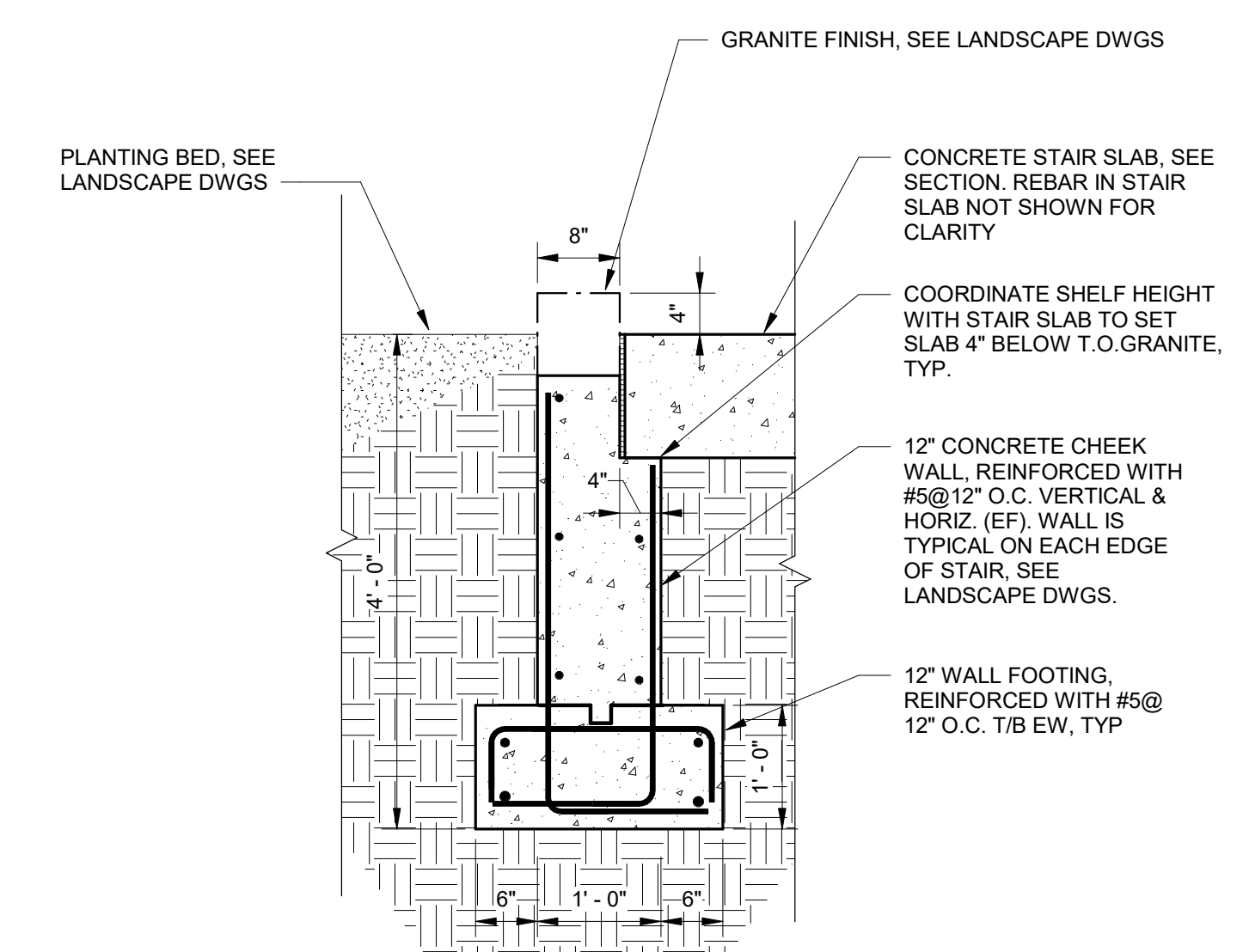


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TYPICAL ARCHWAY SLAB BUILDUP

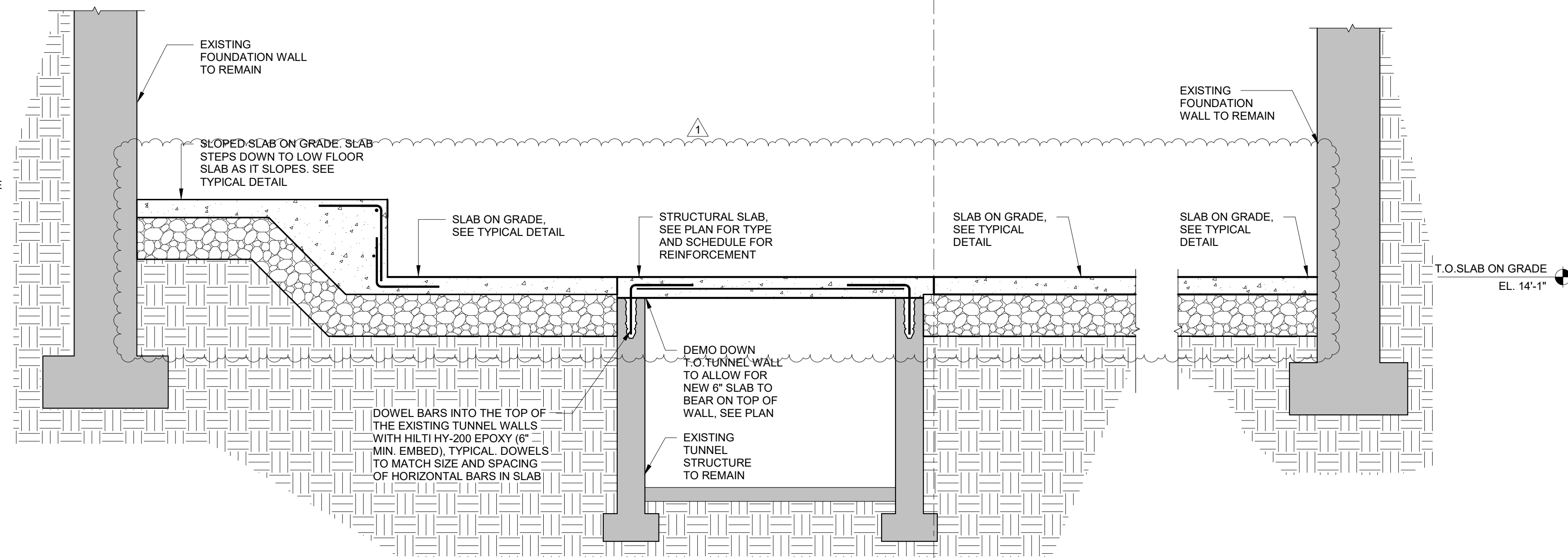
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SECTION A-A - CHEEKWALL TYPICAL DETAIL

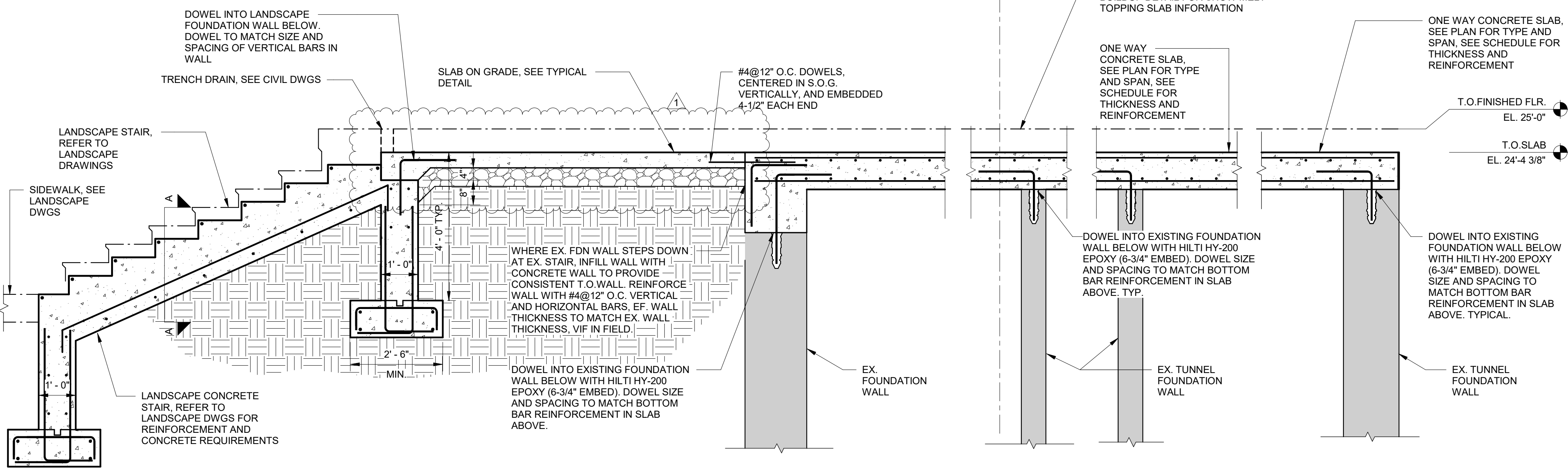
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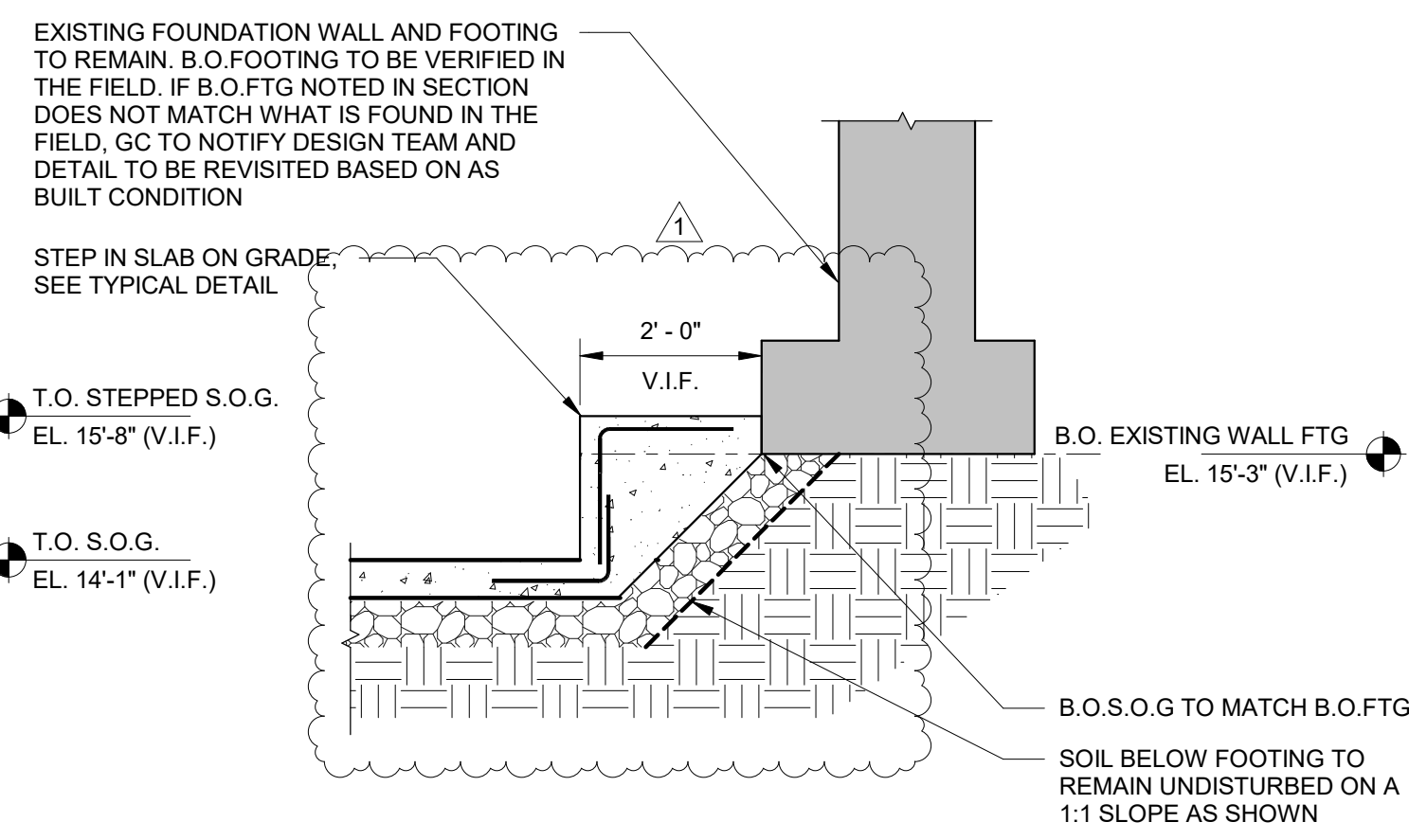
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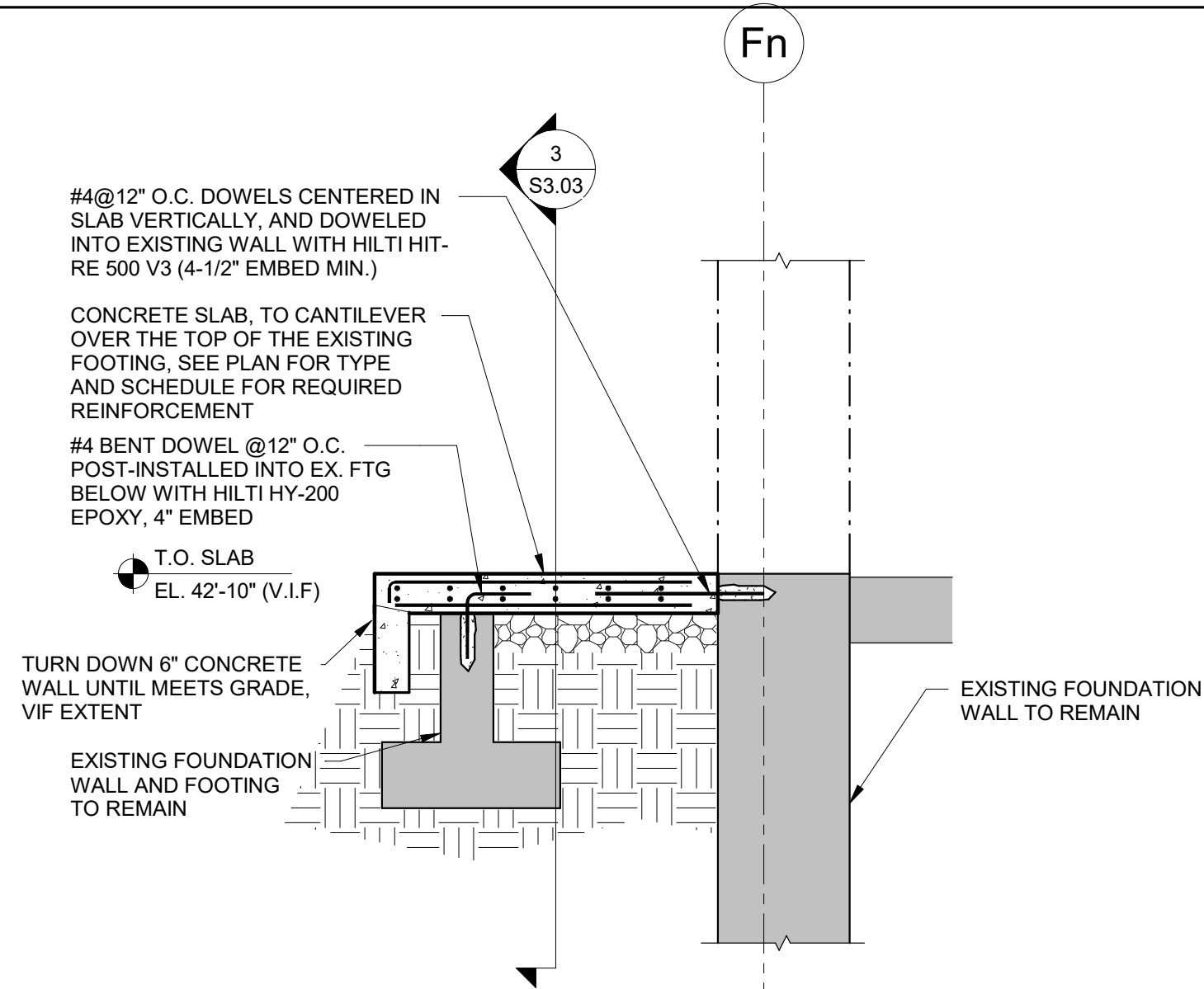


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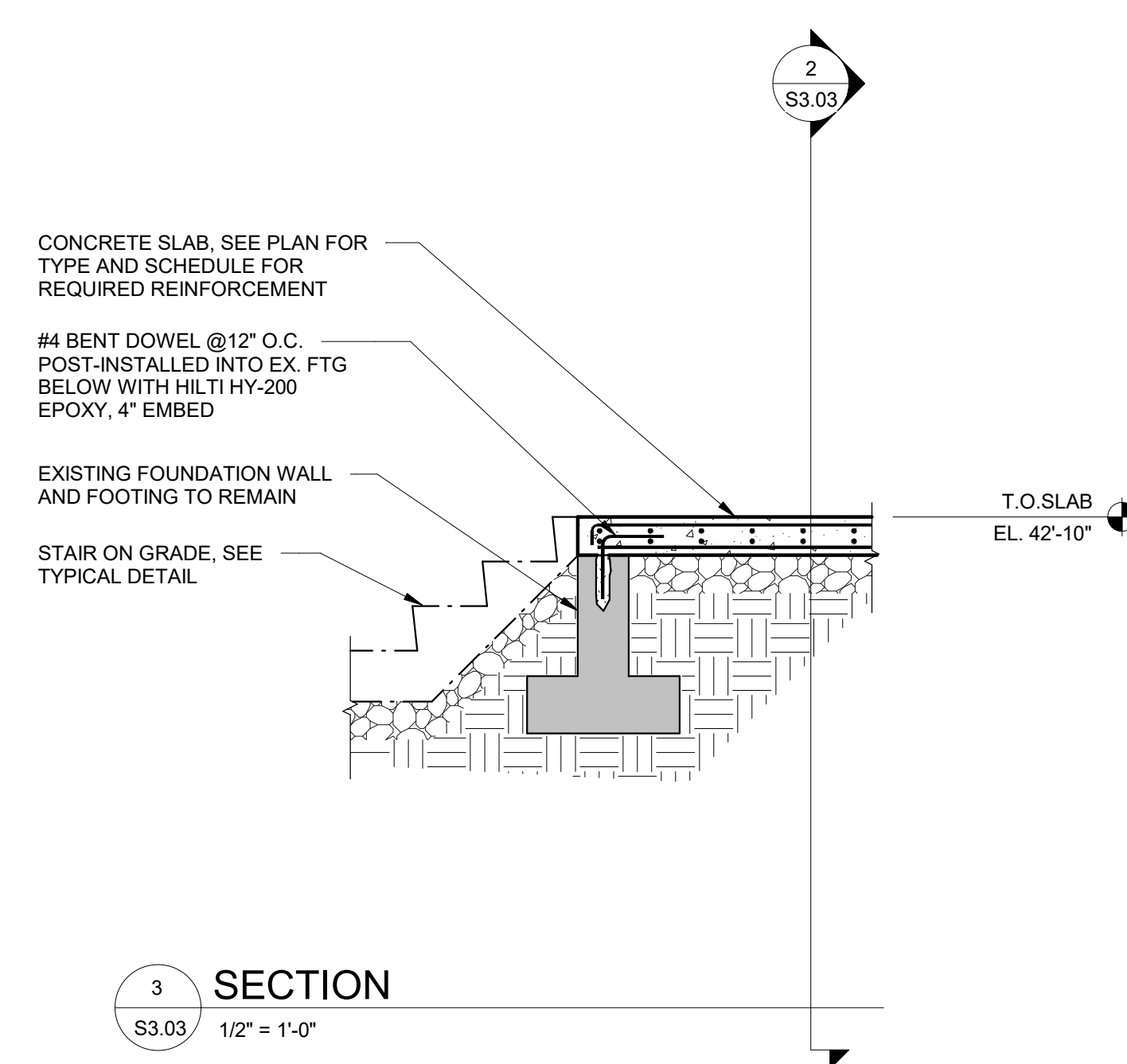
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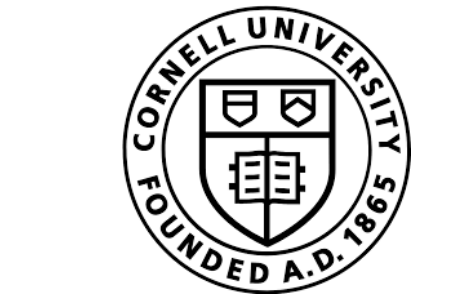
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S3.03 1/2" = 1'-0"



2 SECTION
S3.03 1/2" = 1'-0"



3 SECTION
S3.03 1/2" = 1'-0"



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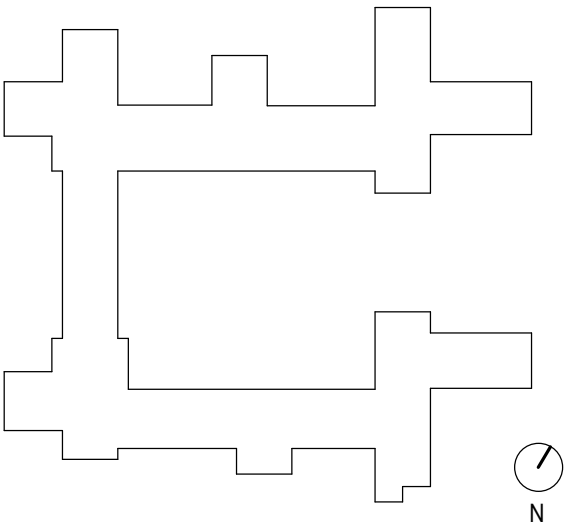
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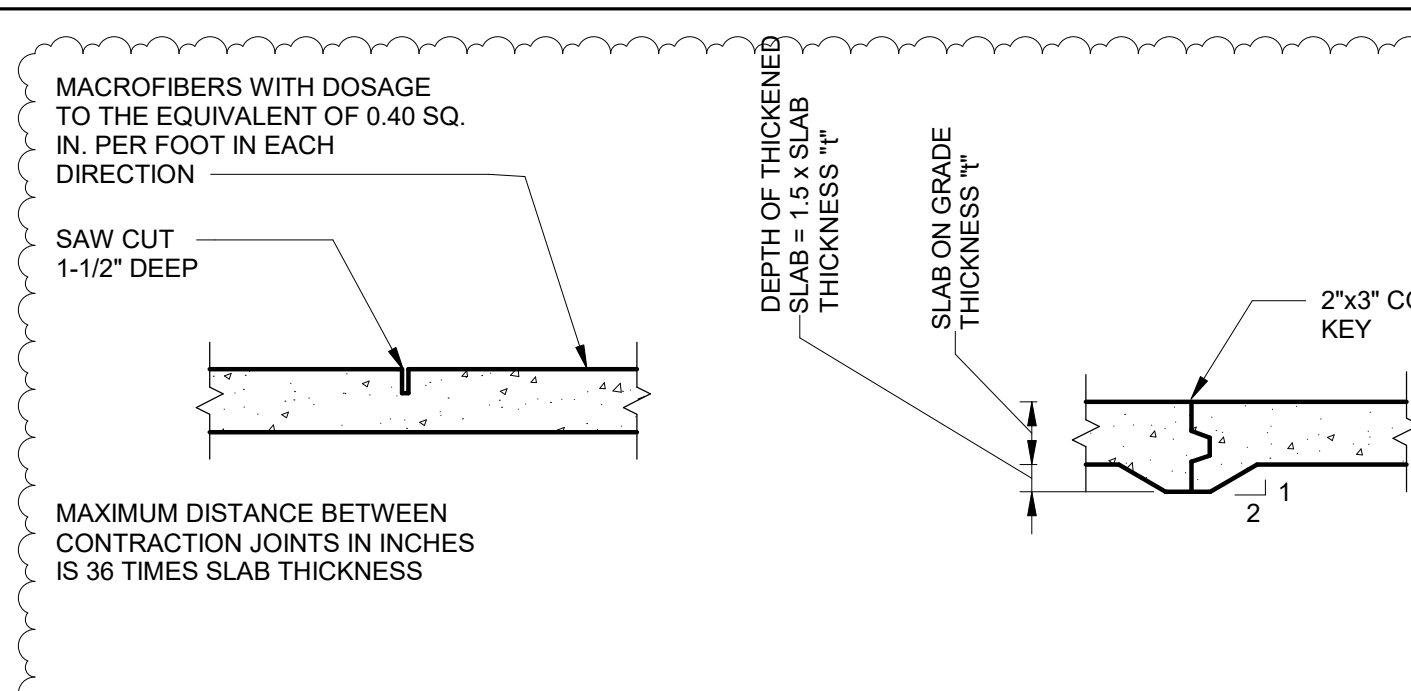
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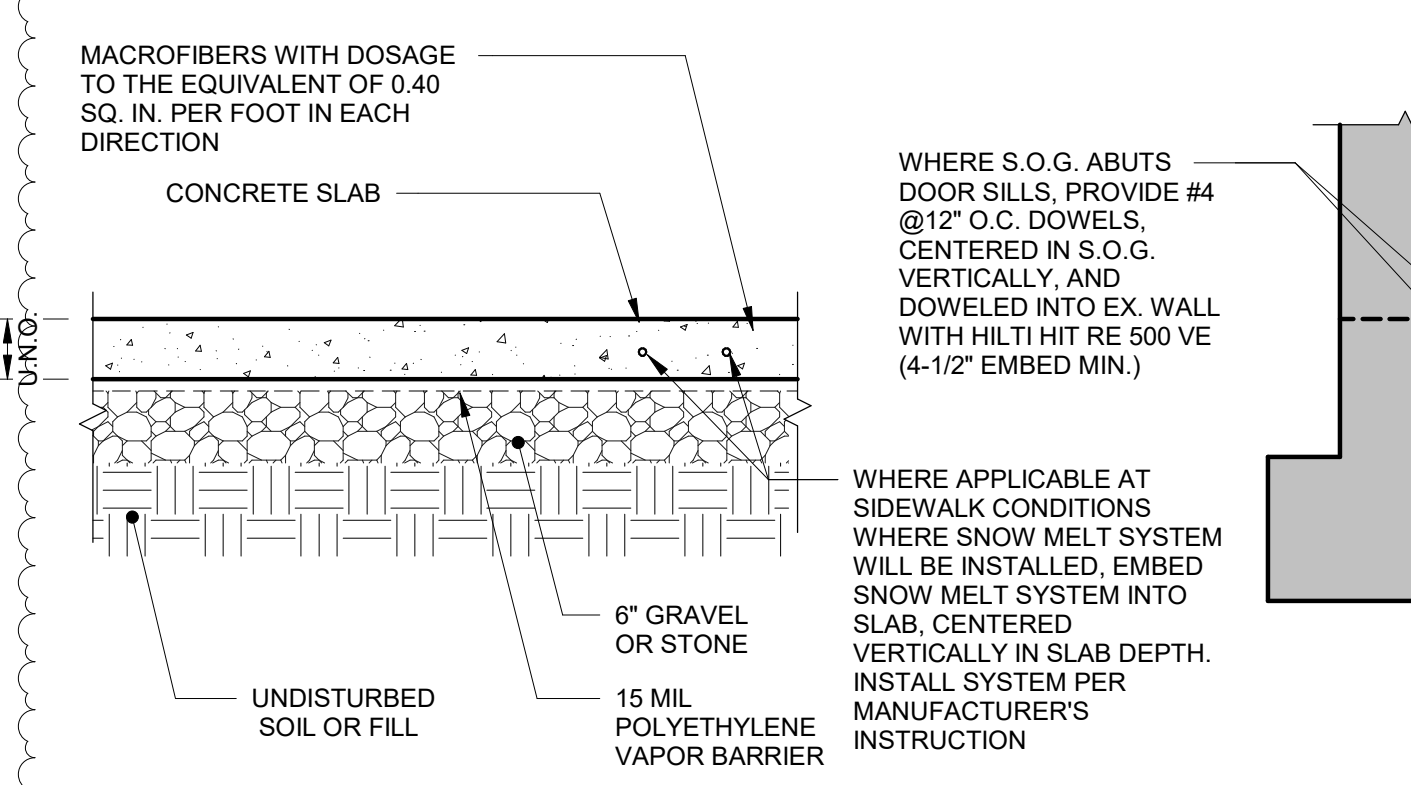
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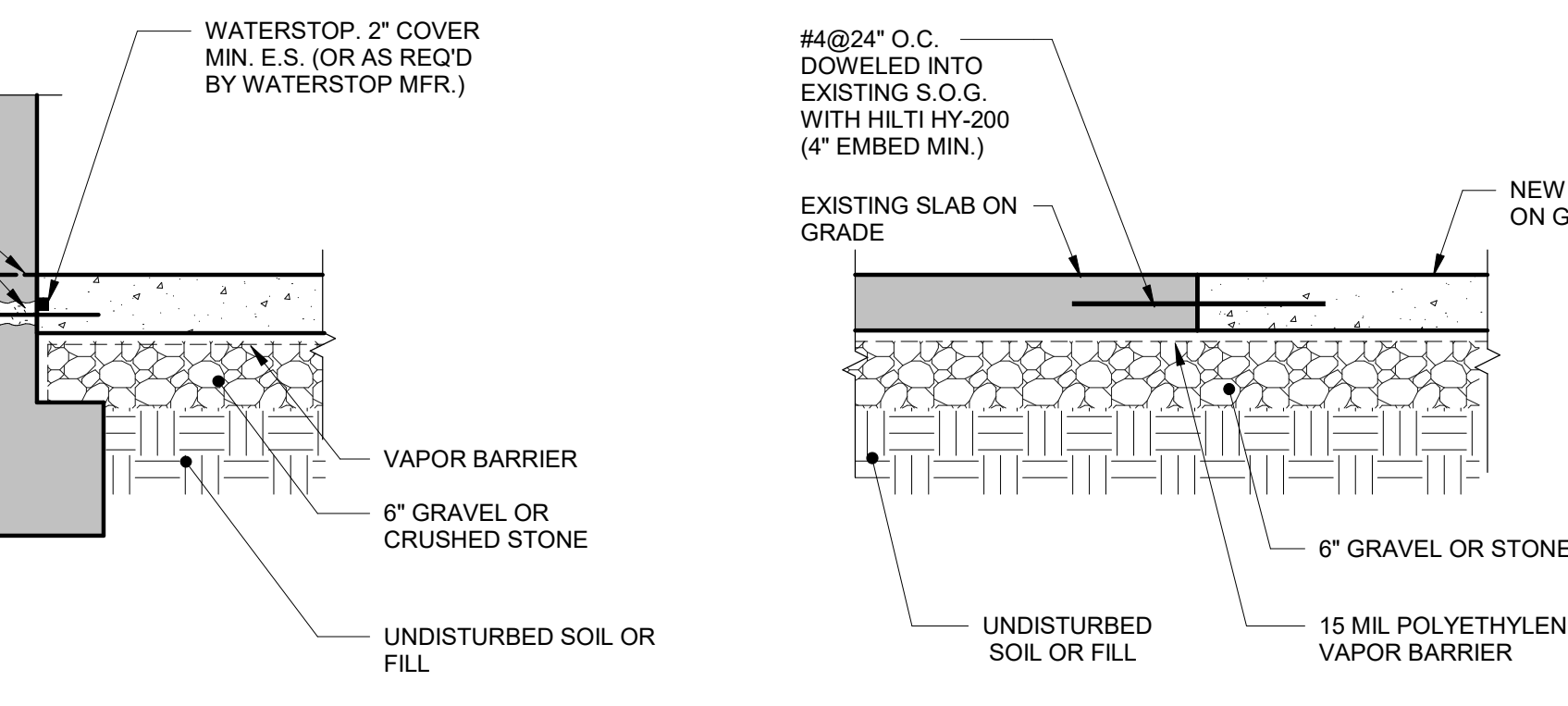


SAWED CONTRACTION JOINT

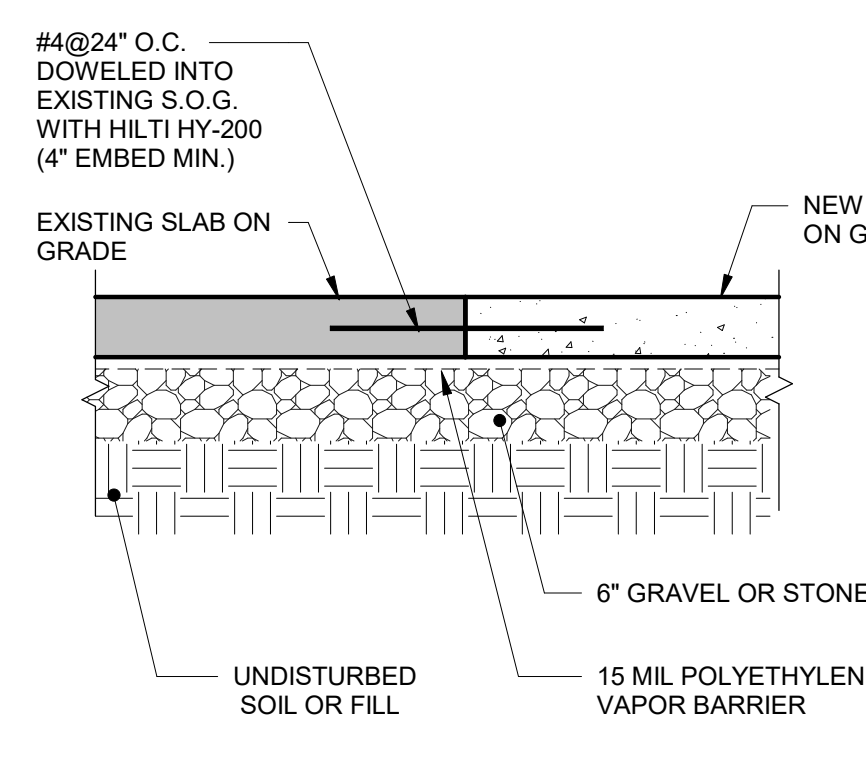
CONSTRUCTION JOINT



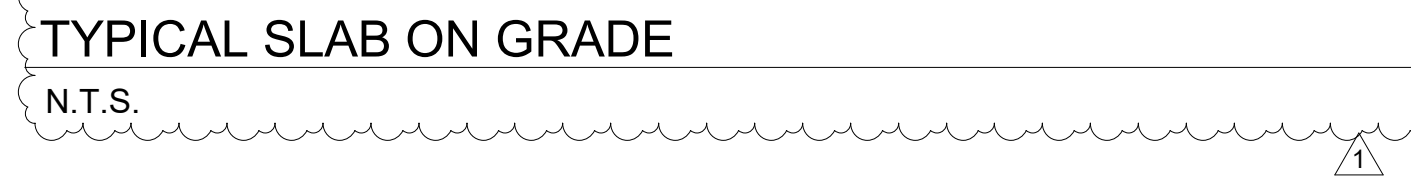
SLAB ON GRADE



SLAB-ON-GRADE & WALL/DOORWAY SILL INTERFACE

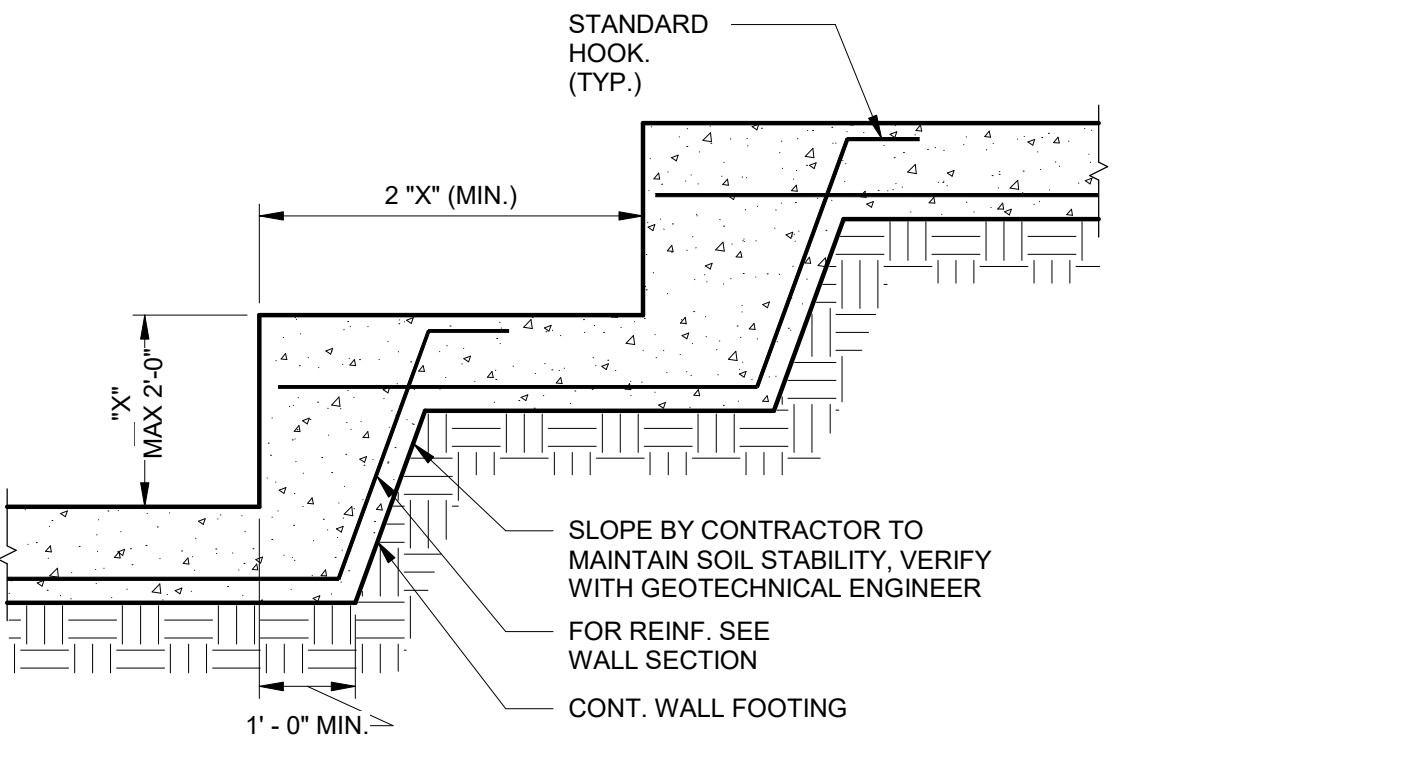


JOINT BETWEEN NEW AND EXISTING SLAB ON GRADE



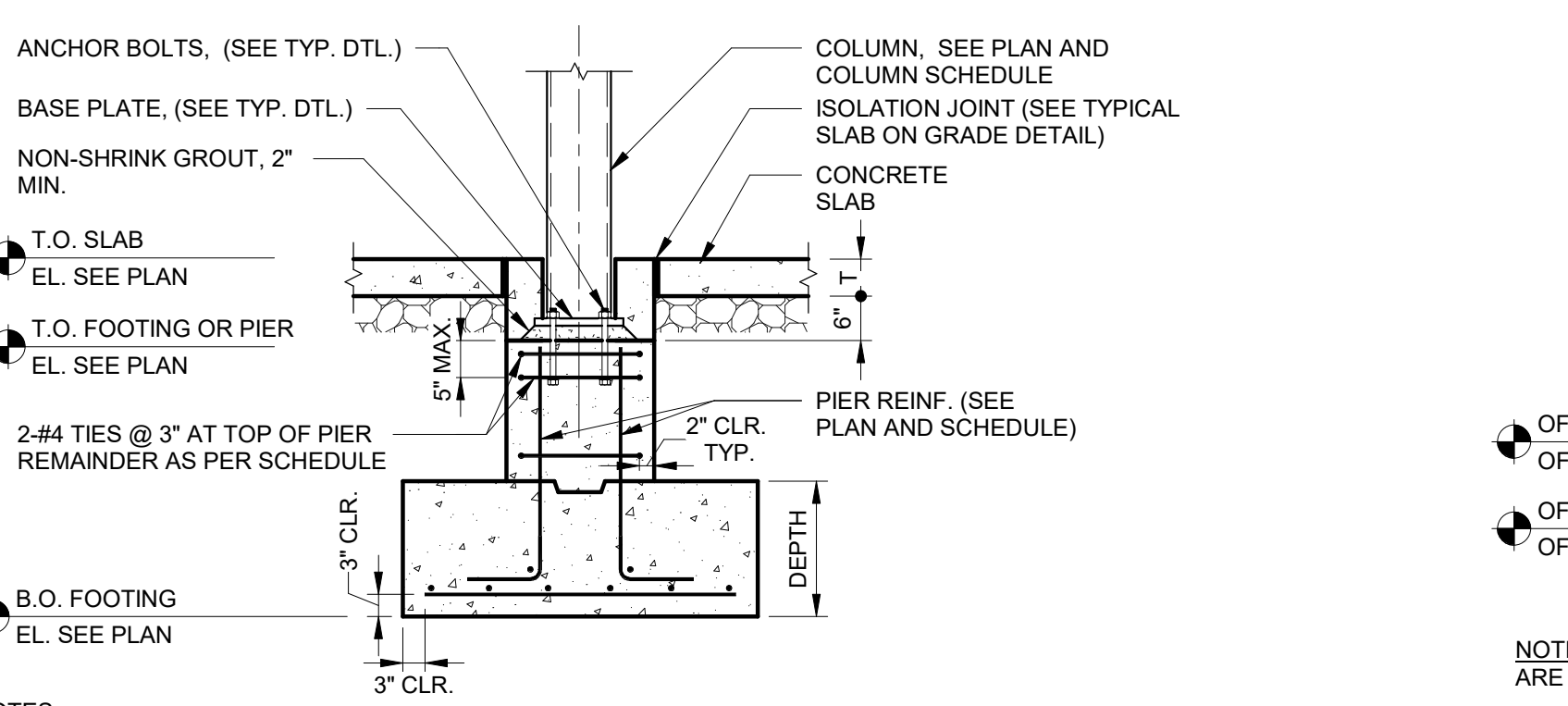
TYPICAL SLAB ON GRADE

N.T.S.



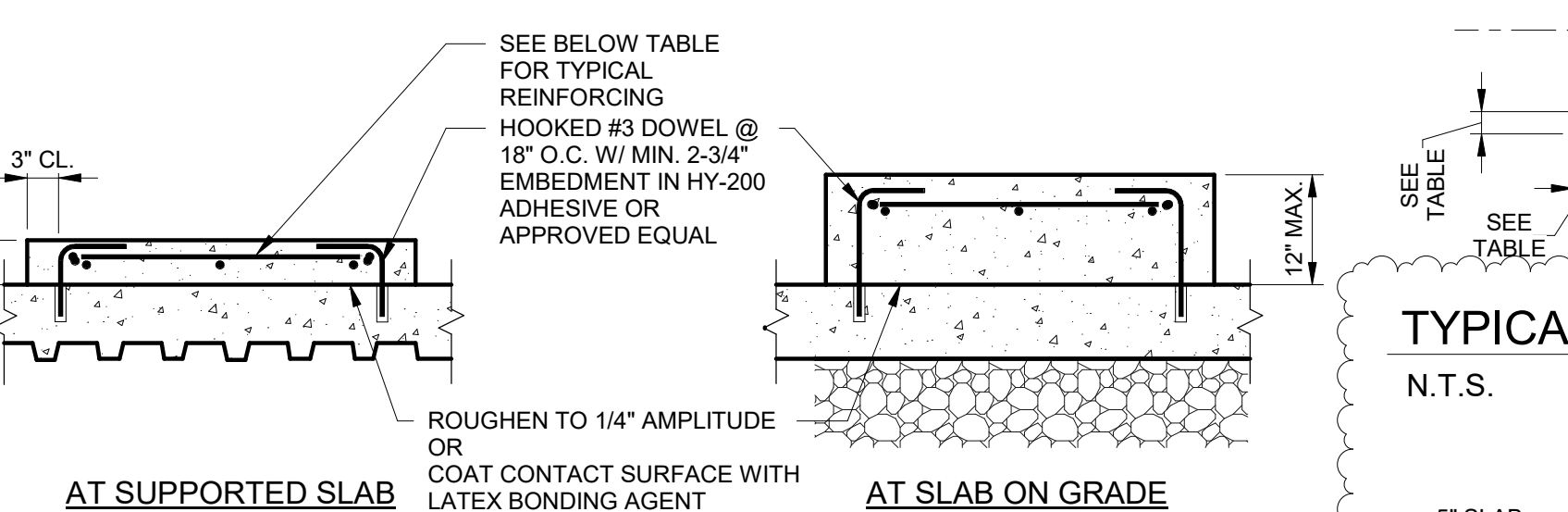
TYPICAL STEPPED WALL FOOTING

N.T.S.



TYPICAL STEEL COLUMN/PIER AND FOOTING

N.T.S.

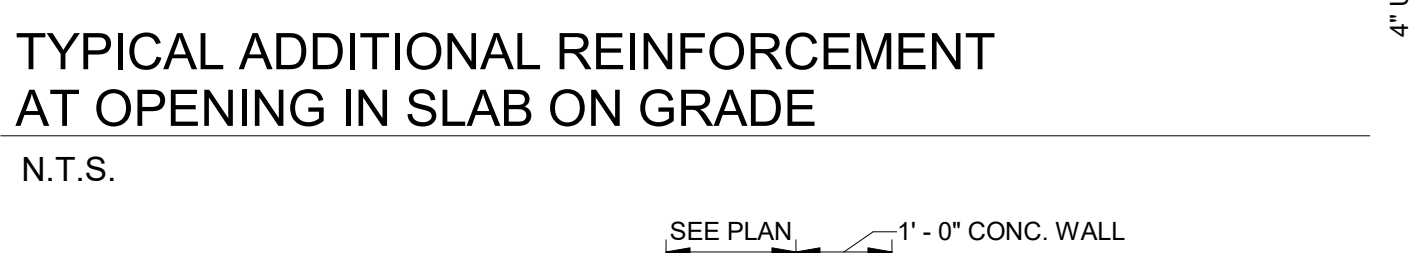


TYPICAL EQUIPMENT PAD

N.T.S.

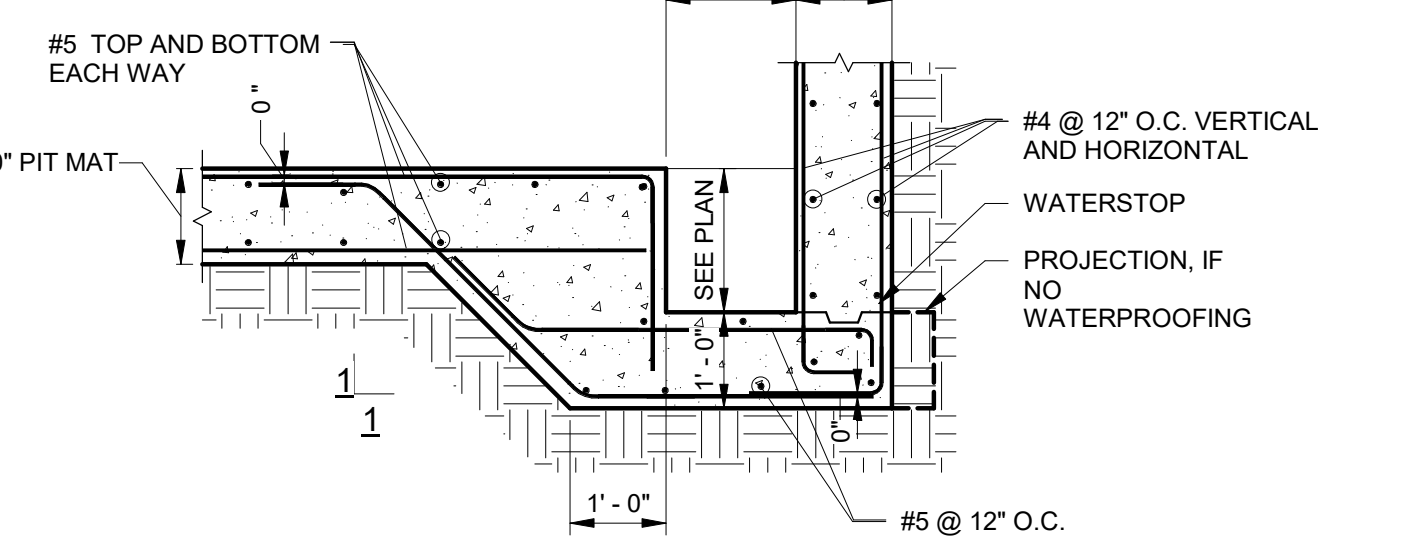
EQUIPMENT PAD TEMPERATURE AND SHRINKAGE REINFORCING	
PAD THICKNESS	REINFORCING
4'-5'	#3 @ 12" O.C. EACH WAY
6'-9'	#4 @ 12" O.C. EACH WAY
10'-12'	#5 @ 12" O.C. EACH WAY

- NOTES:**
- FOR SIZE AND LOCATION SEE ARCHITECTURAL AND MECHANICAL DRAWINGS
 - CONCRETE FOR PADS SHALL BE NORMAL WEIGHT WITH $f_c = 4,000$ PSI.



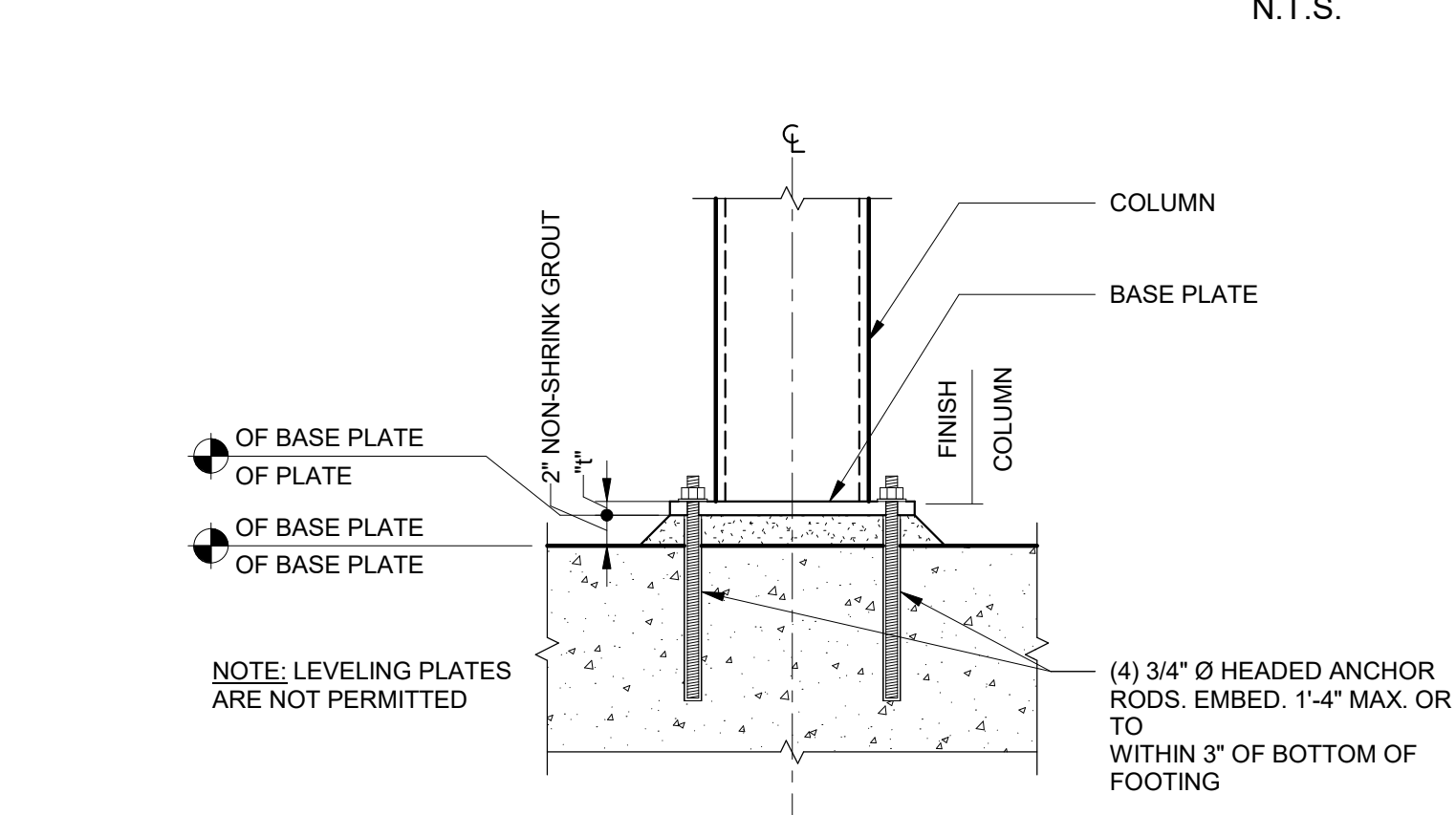
TYPICAL ADDITIONAL REINFORCEMENT AT OPENING IN SLAB ON GRADE

N.T.S.



TYPICAL ELEVATOR SUMP PIT

N.T.S.



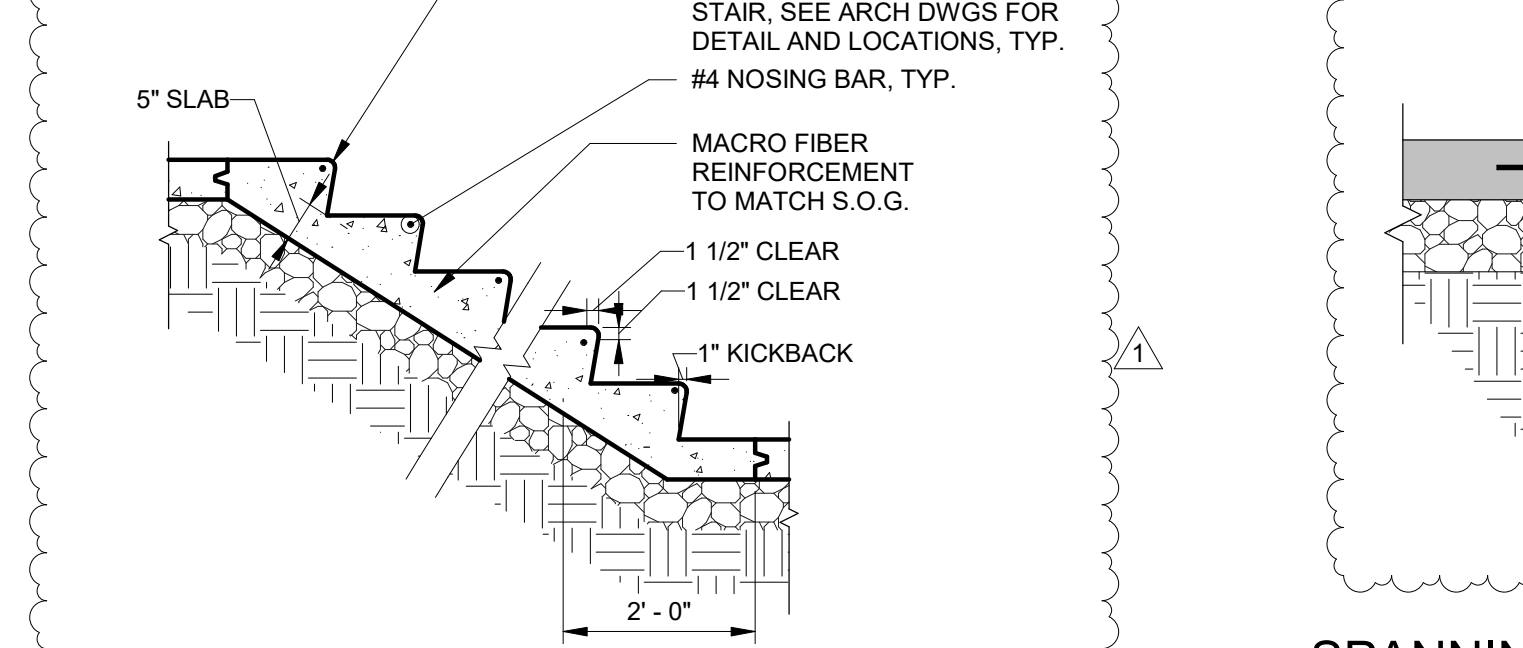
TYPICAL CONSTRUCTION JOINT IN FRAMED SLAB OR BEAM

N.T.S.

ANCHOR BOLT SIZE	HOLE Ø IN BASE PL	EDGE DISTANCE FROM CENTER LINE OF BOLT HOLE
3/4" Ø	1-5/16" Ø	2"
7/8" Ø	1-9/16" Ø	2"
1" Ø	1-13/16" Ø	2"
1-1/4" Ø	2-1/16" Ø	2-1/2"
1-1/2" Ø	2-5/16" Ø	2-1/2"

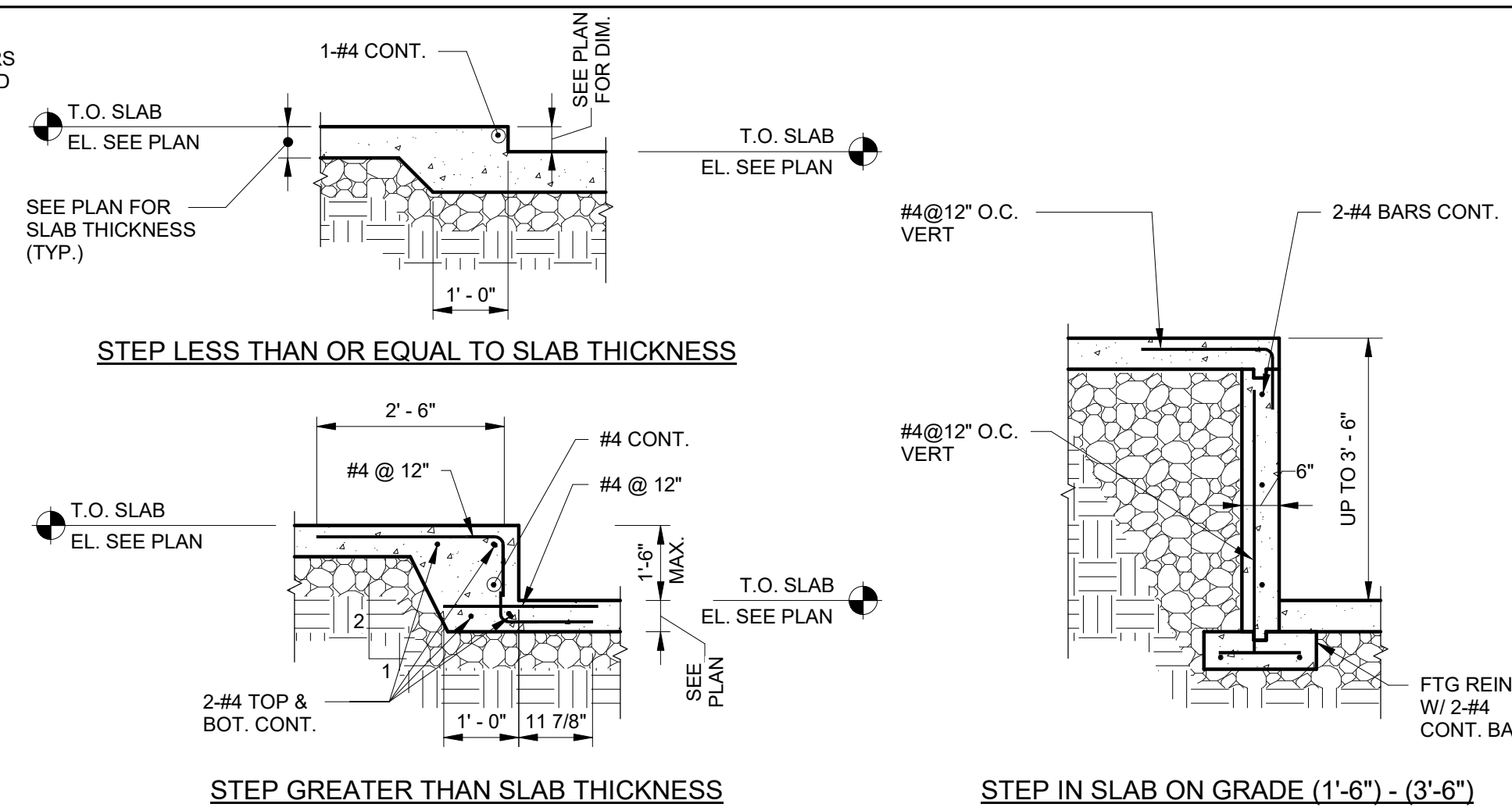
TYPICAL COLUMN BASE PLATE AT PIPE OR TUBE COLUMN

N.T.S.



TYPICAL STAIR ON GRADE

N.T.S.



TYPICAL STEP IN SLAB ON GRADE

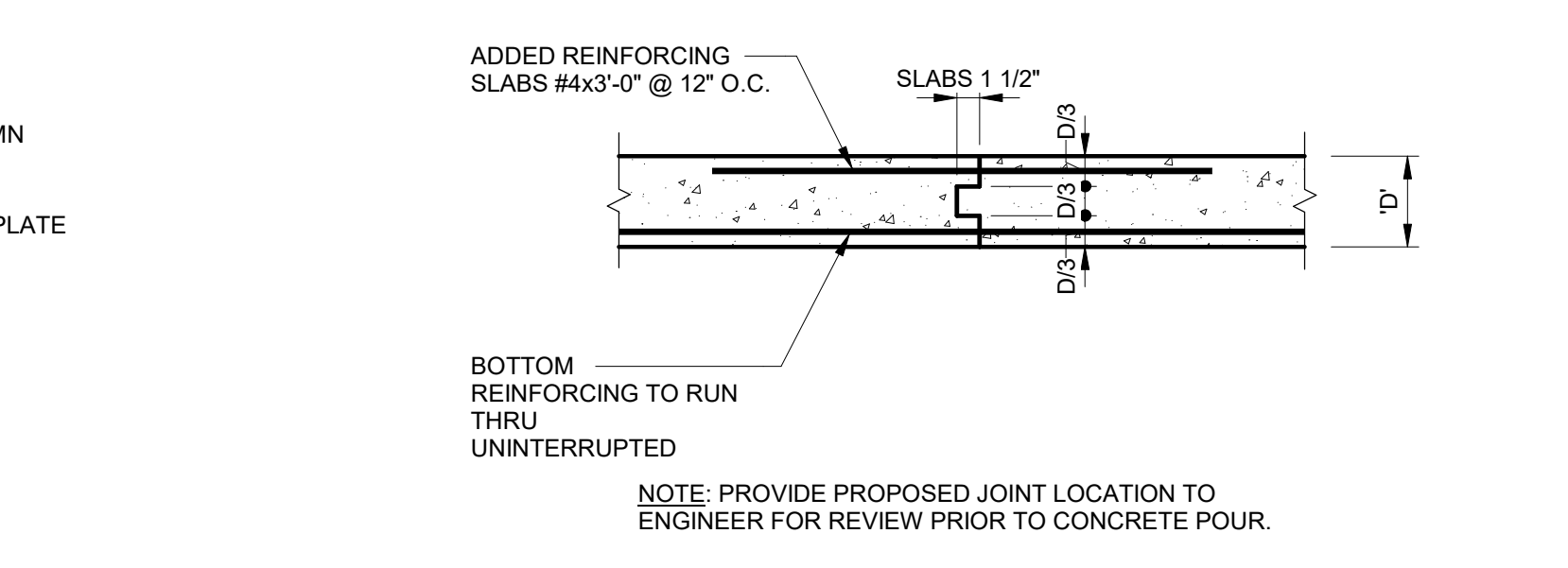
N.T.S.

ASSUMED PIT FLOOR REACTIONS	
RAIL STACK LOAD	19.52 KIPS
COUNTERWEIGHT BUFFER LOAD	36.54 KIPS
RAIL LOAD	11.87 KIPS

- NOTE:**
- LOADS ARE SHOWN AS DOUBLED FOR IMPACT.
 - SEE ELEVATOR MANUFACTURER CUT SHEET FOR ORIENTATION OF LOADS IN PIT.
 - IF REACTION MAGNITUDES OR ORIENTATION OF REACTIONS IN PIT DO NOT MATCH FINAL ELEVATOR DESIGN THEN FURTHER STUDY OF THE ELEVATOR PIT DESIGN MAY BE REQUIRED.

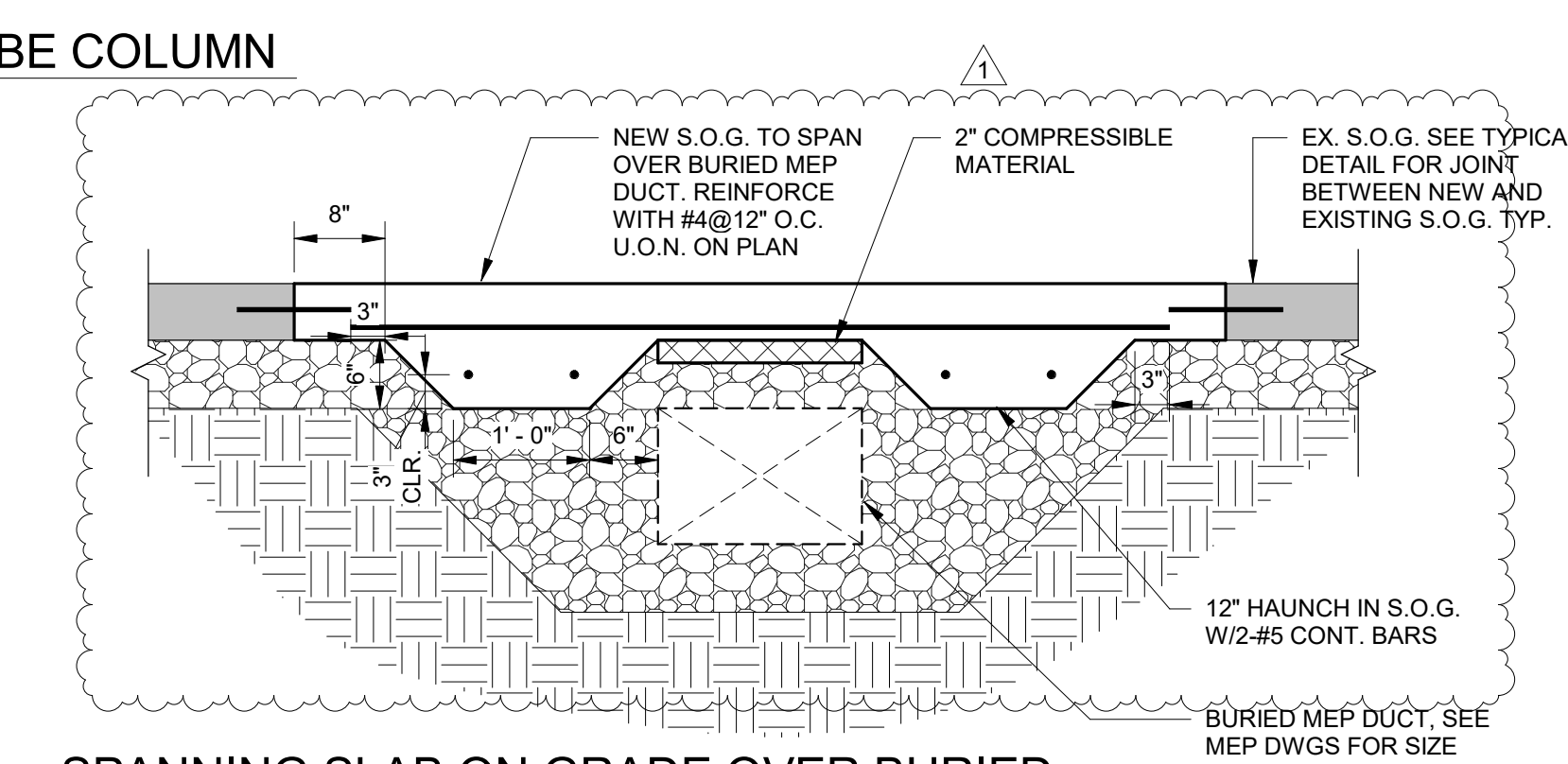
TYPICAL ELEVATOR PIT (INTERIOR WATERPROOFING)

N.T.S.



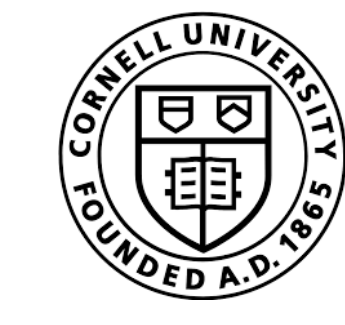
TYPICAL ELEVATOR PIT (INTERIOR WATERPROOFING)

N.T.S.



SPANNING SLAB ON GRADE OVER BURIED MEP DUCTWORK TYPICAL DETAIL

N.T.S.



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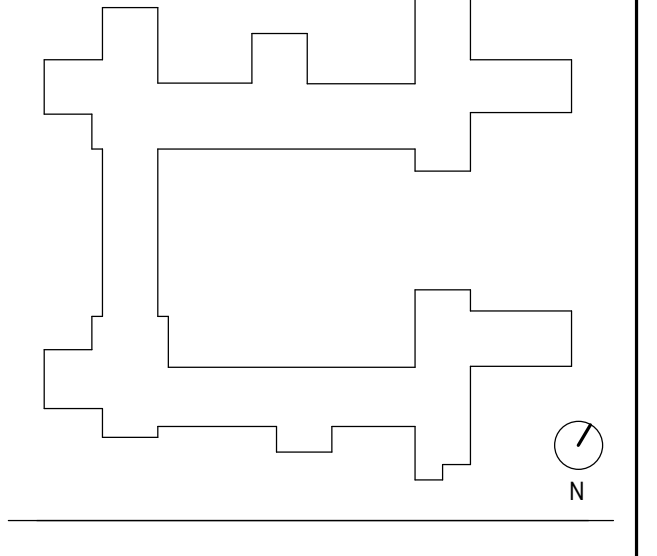
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NO.	DESCRIPTION

TYPICAL DETAILS

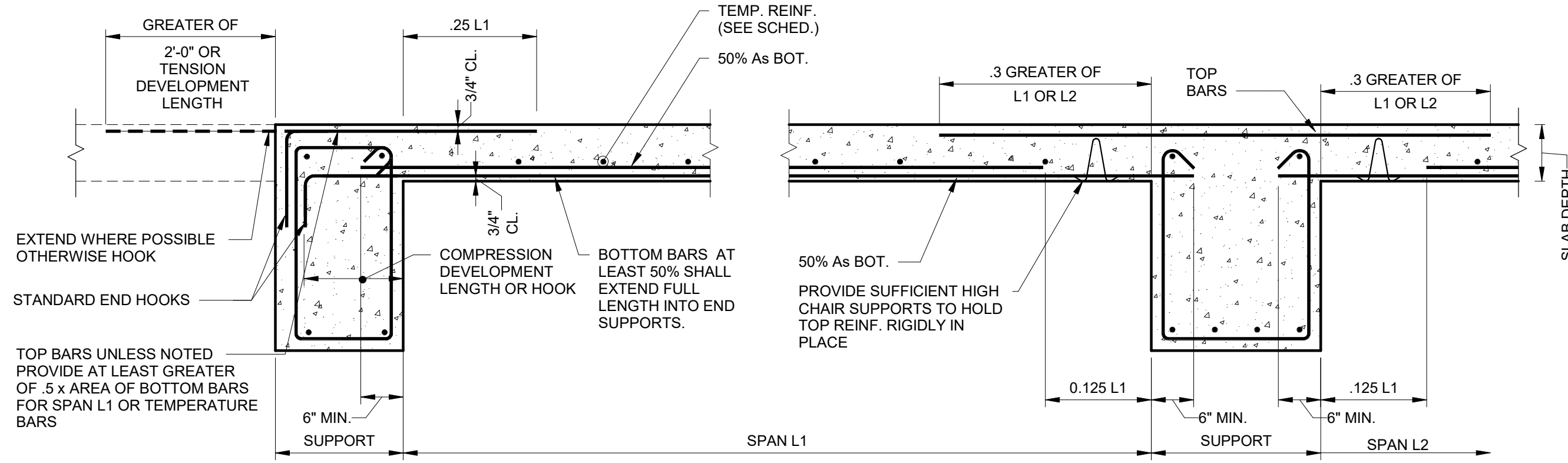
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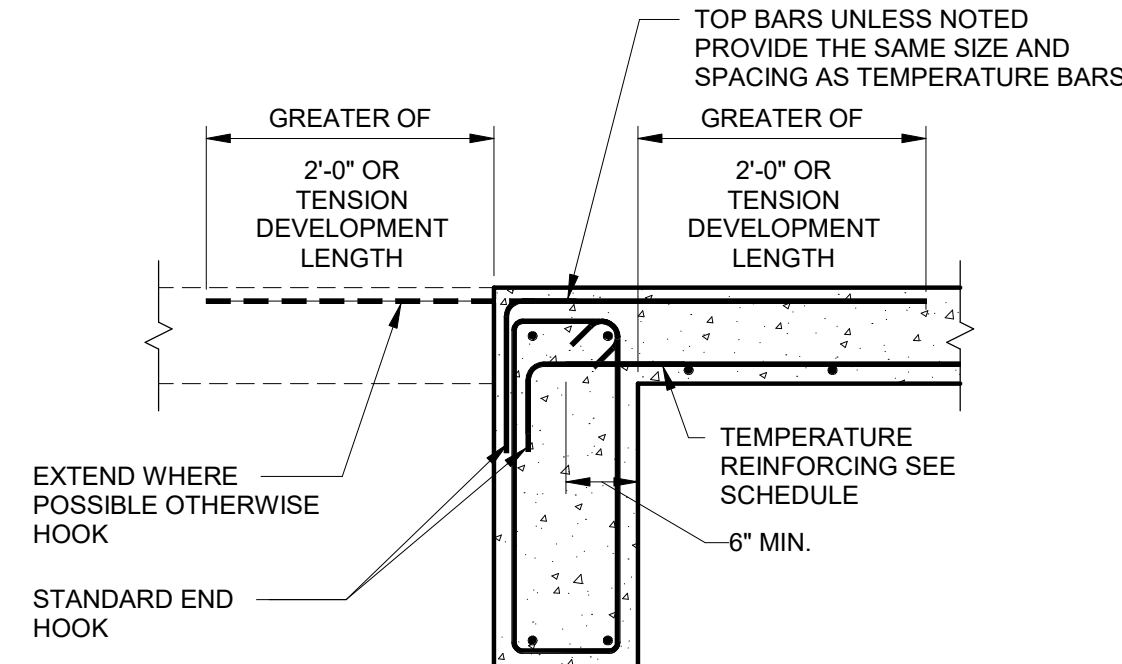
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NON-CONTINUOUS END

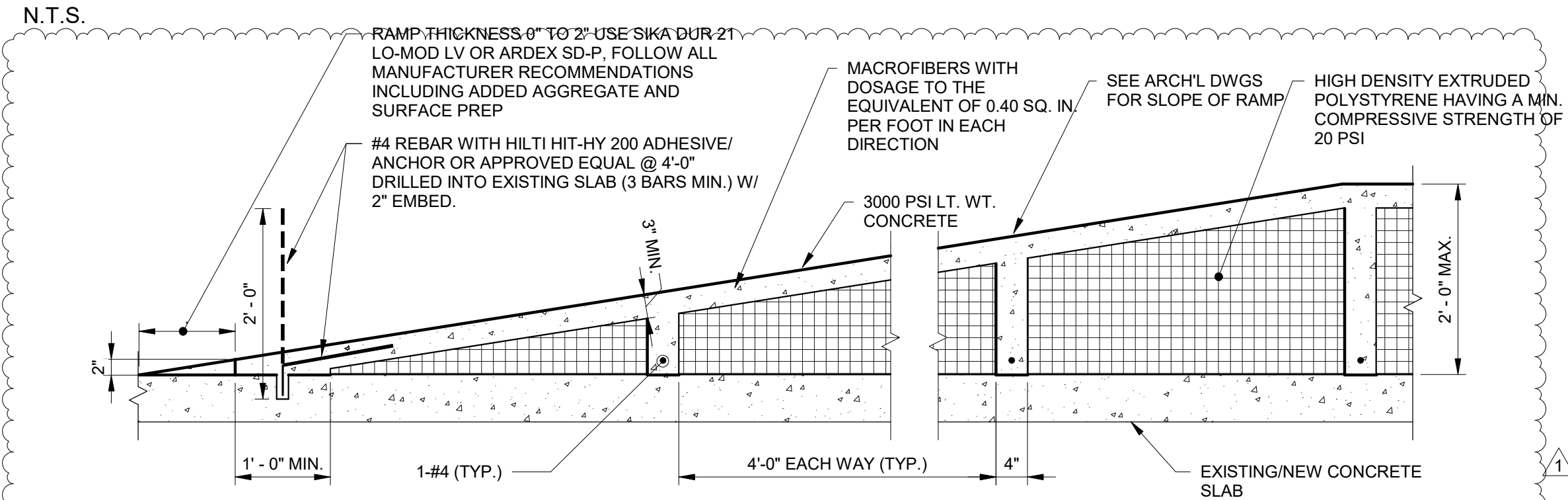
CONTINUOUS END

SLAB THICKNESS	TEMPERATURE REINFORCING
4"	#4 @ 12"
5"	#4 @ 12"
6"	#4 @ 12"
7"	#4 @ 12"
8"	#4 @ 12"
9"	#4 @ 12"
10"	#5 @ 12"
11"	#5 @ 12"
12"	#5 @ 12"

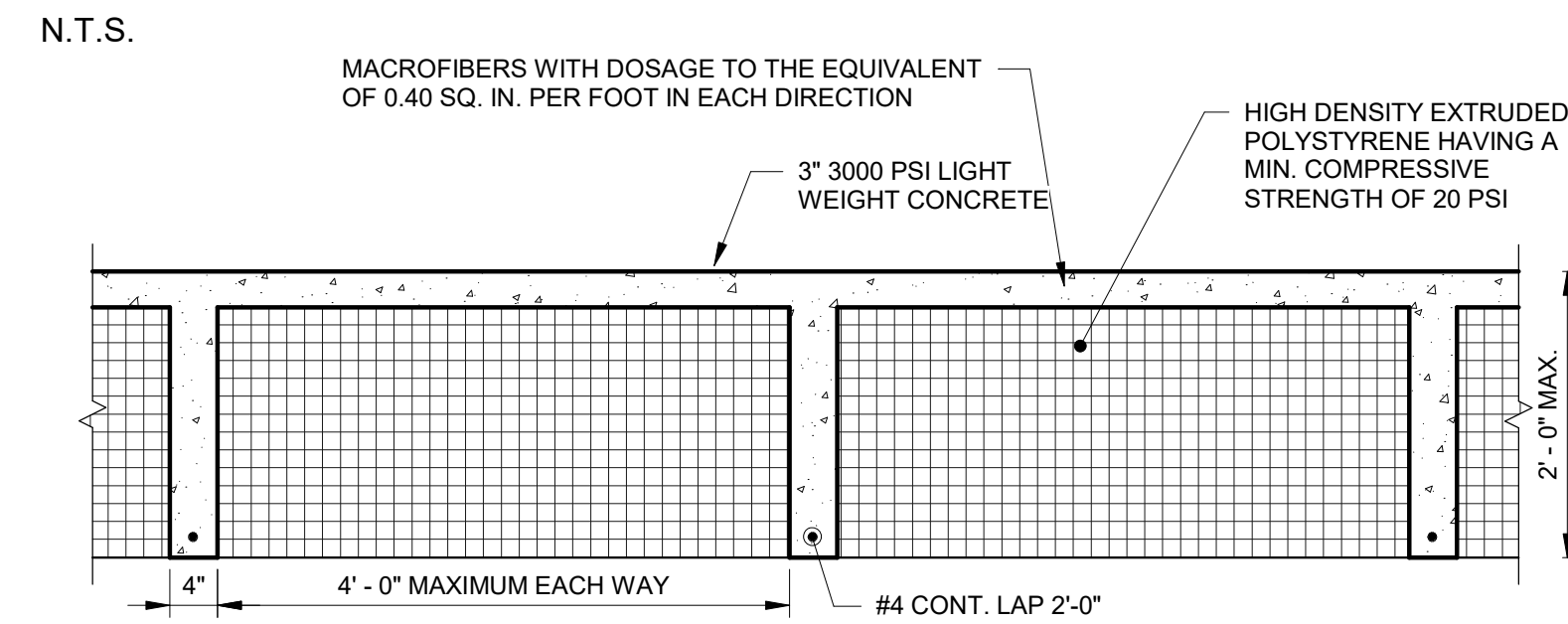


TYPICAL DETAIL AT SUPPORTS PARALLEL TO MAIN REINFORCING IN ONE-WAY SLAB

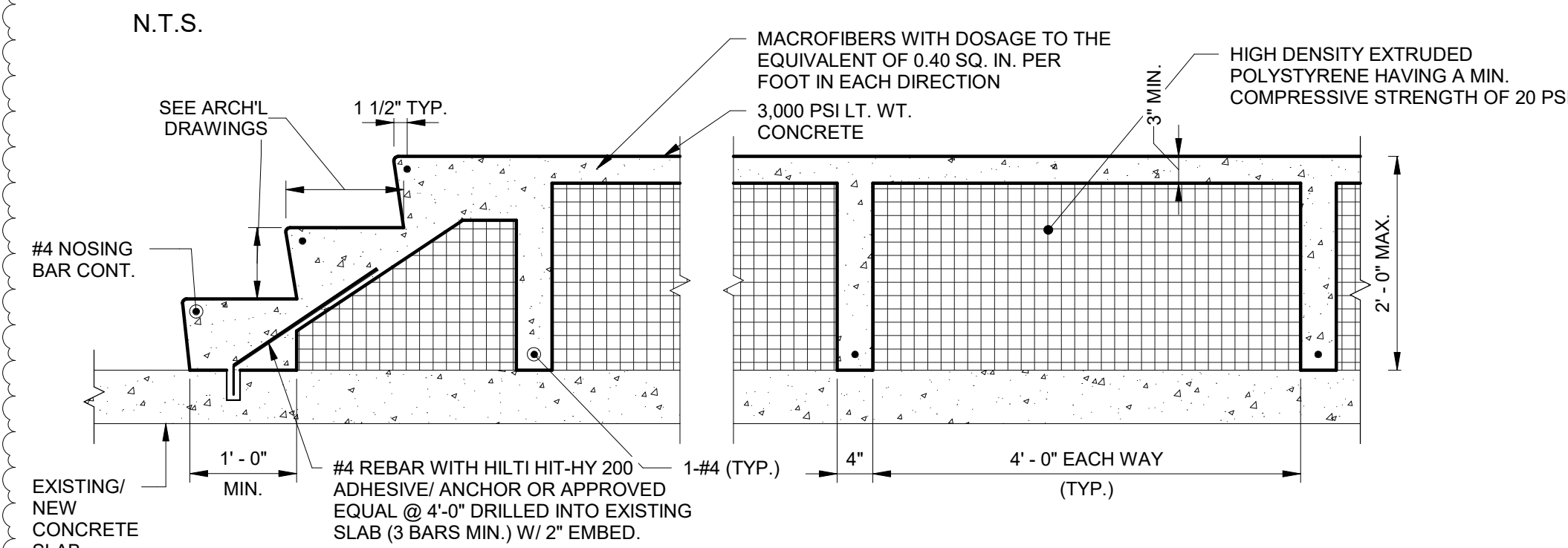
TYPICAL ONE-WAY SLAB



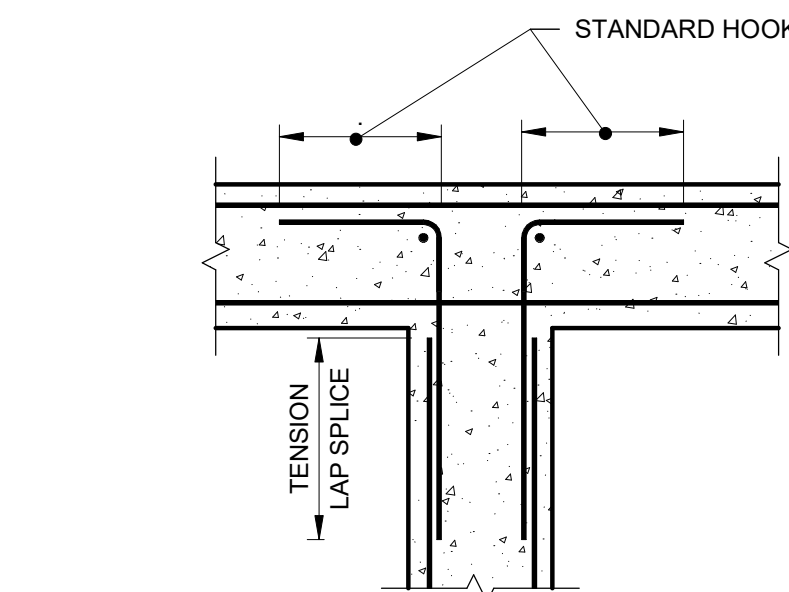
TYPICAL RAISED SLAB WITH RAMP



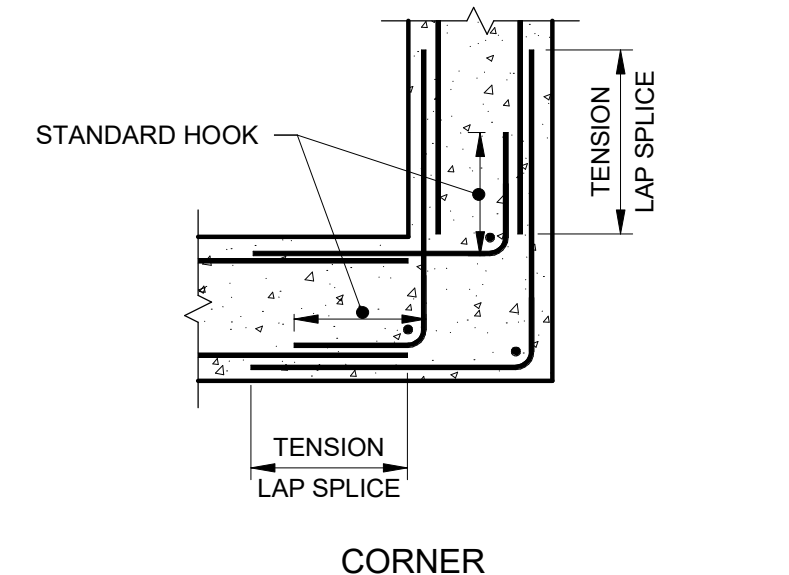
TYPICAL RAISED SLAB



TYPICAL RAISED SLAB AT STAIR



TEE-INTERSECTION



CORNER

TYPICAL HORIZONTAL REINFORCEMENT AT CORNERS & JUNCTIONS OF WALLS AND BEAMS

NOTE: FOR TENSION LAP SPlice LENGTH AND DEVELOPMENT LENGTH SEE TABLE.

BAR SIZE	DEFORMED BAR TENSION DEVELOPMENT LENGTH (Ld)							
	FOR NORMAL WEIGHT STONE CONCRETE & UNCOATED BARS							
	3000 PSI CONCRETE		4000 PSI CONCRETE		5000 PSI CONCRETE		6000 PSI CONCRETE	
#3	17	25	15	22	13	20	12	18
#4	22	33	19	29	17	26	16	24
#5	28	42	24	36	22	32	20	30
#6	33	50	29	43	26	39	24	35
#7	48	72	42	63	38	56	34	51
#8	55	83	48	72	43	64	39	59
#9	62	93	54	81	48	72	44	66
#10	70	105	61	91	54	81	50	74
#11	78	116	67	101	60	90	55	82

BAR SIZE	DEFORMED BAR TENSION LAP SPlice - CLASS B							
	FOR NORMAL WEIGHT STONE CONCRETE & UNCOATED BARS							
	3000 PSI CONCRETE		4000 PSI CONCRETE		5000 PSI CONCRETE		6000 PSI CONCRETE	
#3	22	33	19	28	17	25	16	23
#4	29	43	25	37	23	34	21	31
#5	36	54	31	47	28	42	26	38
#6	43	65	37	56	34	50	31	46
#7	63	94	54	81	49	73	45	67
#8	72	107	62	93	56	83	51	76
#9	81	121	70	105	63	94	57	86
#10	91	136	79	118	71	106	64	96
#11	101	151	87	131	78	117	71	107

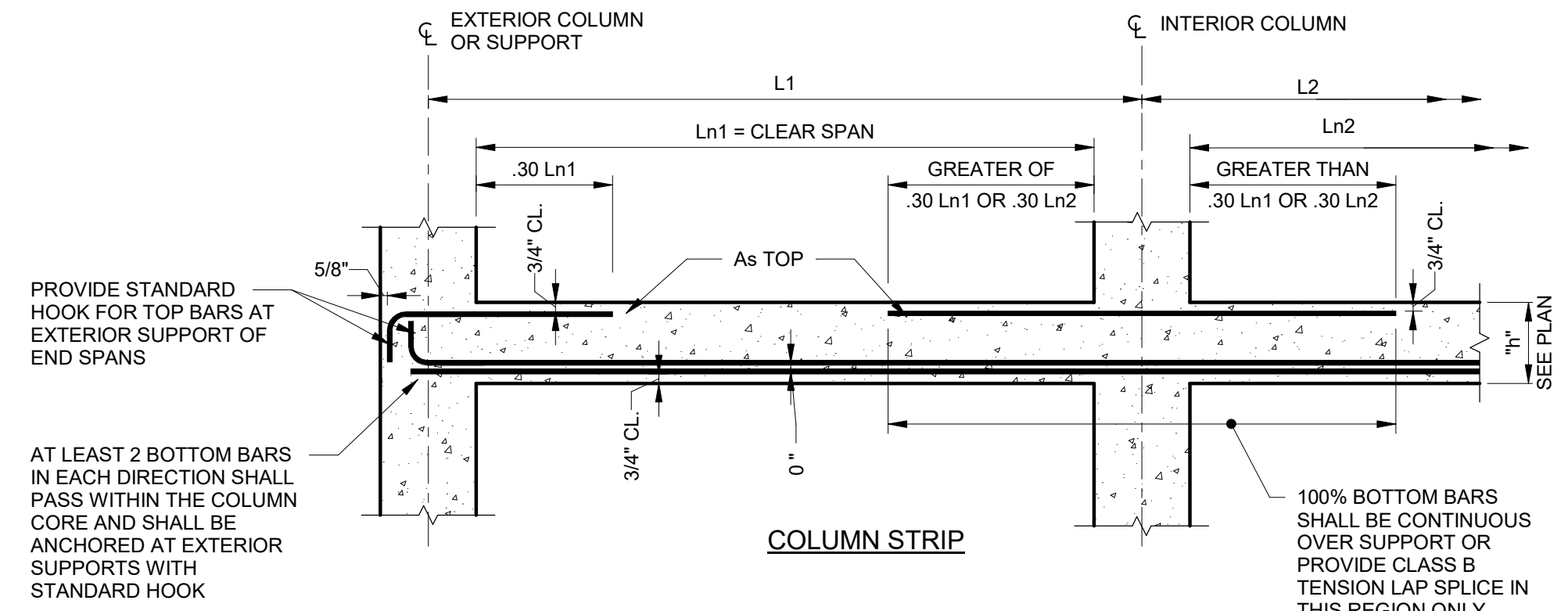
DEFORMED TENSION BAR NOTES:

- FOR HORIZONTAL REINFORCEMENT WITH 12 INCH OR MORE FRESH CONCRETE CAST BELOW IT, TENSION DEVELOPMENT LENGTH/ TENSION LAP SPlice LENGTH SHALL BE 1.3X THE VALUES GIVEN.
- FOR EPOXY-COATED BARS:
 - WHERE CONCRETE COVER IS LESS THAN 3X BAR DIAMETER, OR CLEAR SPACING IS LESS THAN 6X BAR DIAMETER, TENSION DEVELOPMENT LENGTH/ TENSION LAP SPlice LENGTH SHALL BE 1.5X THE VALUES GIVEN.
 - WHERE CONCRETE COVER IS EQUAL TO OR GREATER THAN 3X BAR DIAMETER AND CLEAR SPACING IS GREATER THAN 6X BAR DIAMETER, TENSION DEVELOPMENT LENGTH/ TENSION LAP SPlice LENGTH SHALL BE 1.2X THE VALUES GIVEN.

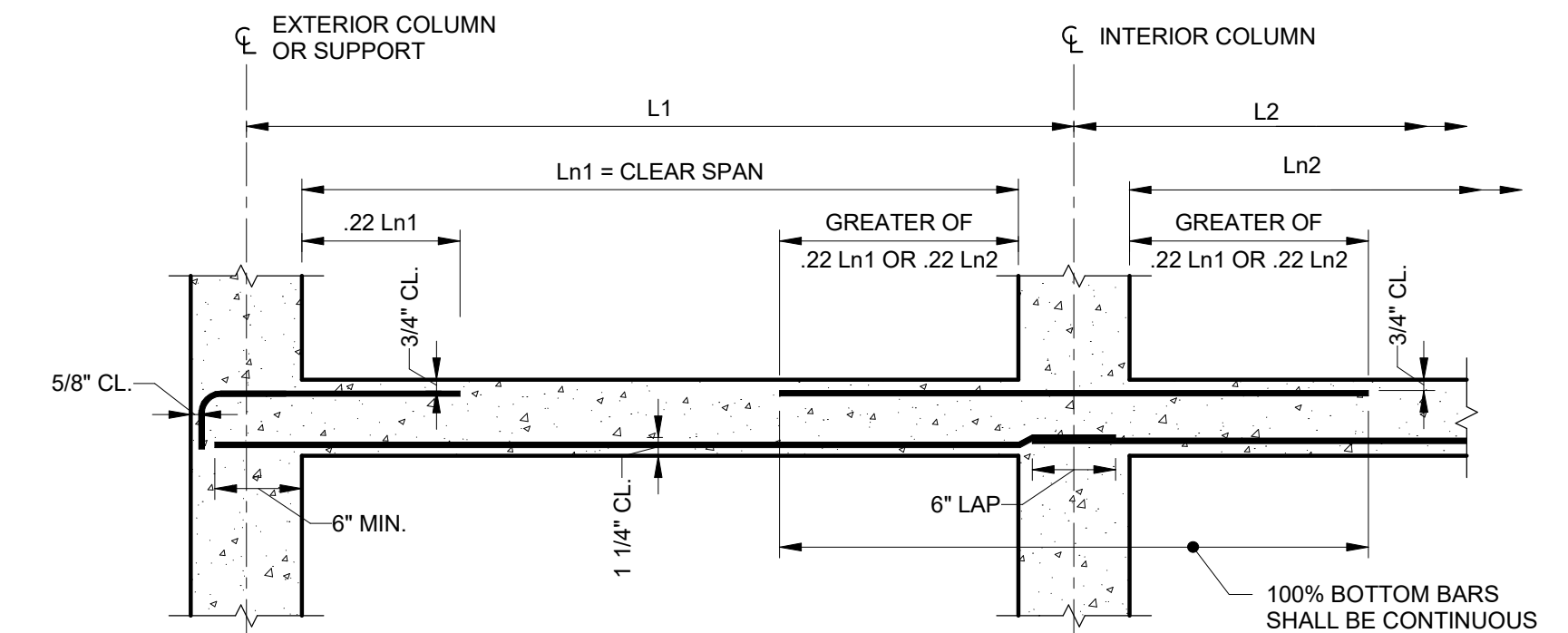
CASE 1: CLEAR SPACING OF BARS BEING DEVELOPED OR SPliced NOT LESS THAN DB, CLEAR COVER NOT LESS THAN DB, AND STIRRUPS OR TIES THROUGHOUT LD NOT LESS THAN THE CODE MINIMUM OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPliced NOT LESS THAN 2DB AND CLEAR COVER NOT LESS THAN DB.
 CASE 2: OTHER CASES

BAR SIZE	DEFORMED BAR COMPRESSION LAP SPlice			
	FOR NORMAL WEIGHT STONE CONCRETE & UNCOATED BARS			
	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	6000 PSI CONCRETE
#3	12	12	12	12
#4	15	15	15	15
#5	19	19	19	19
#6	23	23	23	23
#7	27	27	27	27
#8	30	30	30	30
#9	34	34	34	34
#10	39	39	39	39
#11	43	43	43	43

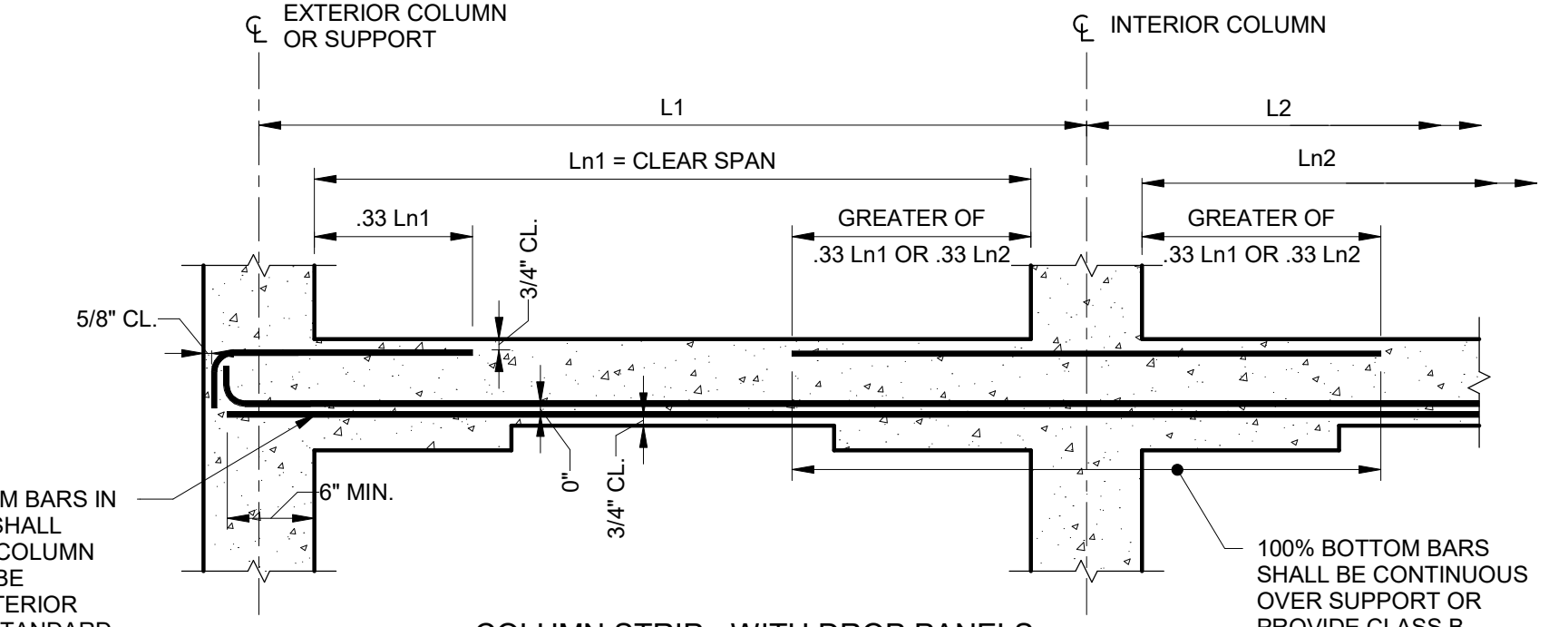
BAR SIZE	DEFORMED BAR COMPRESSION DEVELOPMENT LENGTH (Ldc)			
	FOR NORMAL WEIGHT STONE CONCRETE & UNCOATED BARS			
	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	6000 PSI CONCRETE
#3	9	8	8	8
#4	11	10	9	9
#5	14	12	12	12
#6	17	15	14	14
#7	20	17	16	16
#8	22	19	18	18
#9	25	22	21	21
#10	28	25	23	23
#11	31	27	26	26



COLUMN STRIP



MIDDLE STRIP

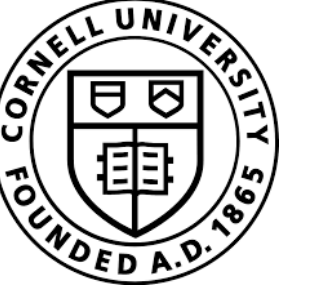


COLUMN STRIP - WITH DROP PANELS

AT LEAST 2 BOTTOM BARS IN EACH DIRECTION SHALL PASS WITHIN THE COLUMN CORE AND SHALL BE ANCHORED AT EXTERIOR SUPPORTS WITH STANDARD HOOK
 NOTE: SAME REINFORCEMENT PROFILE BOTH DIRECTIONS. TRANSVERSE DIRECTION NOT SHOWN FOR CLARITY.

TYPICAL TWO-WAY SLAB

N.T.S.



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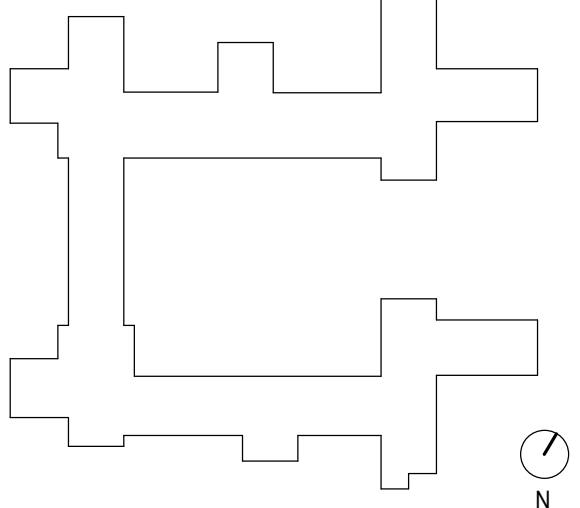
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TYPICAL DETAILS

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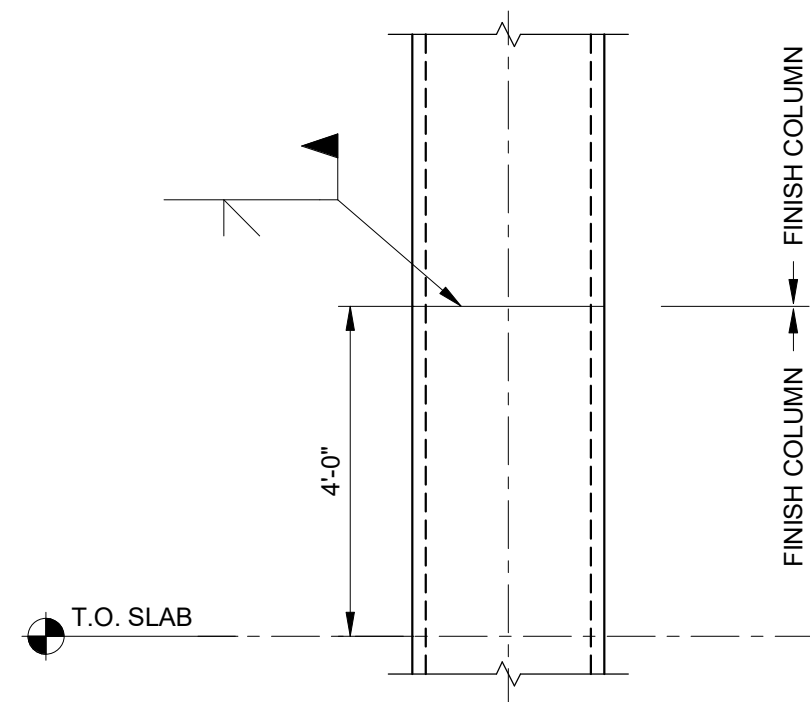
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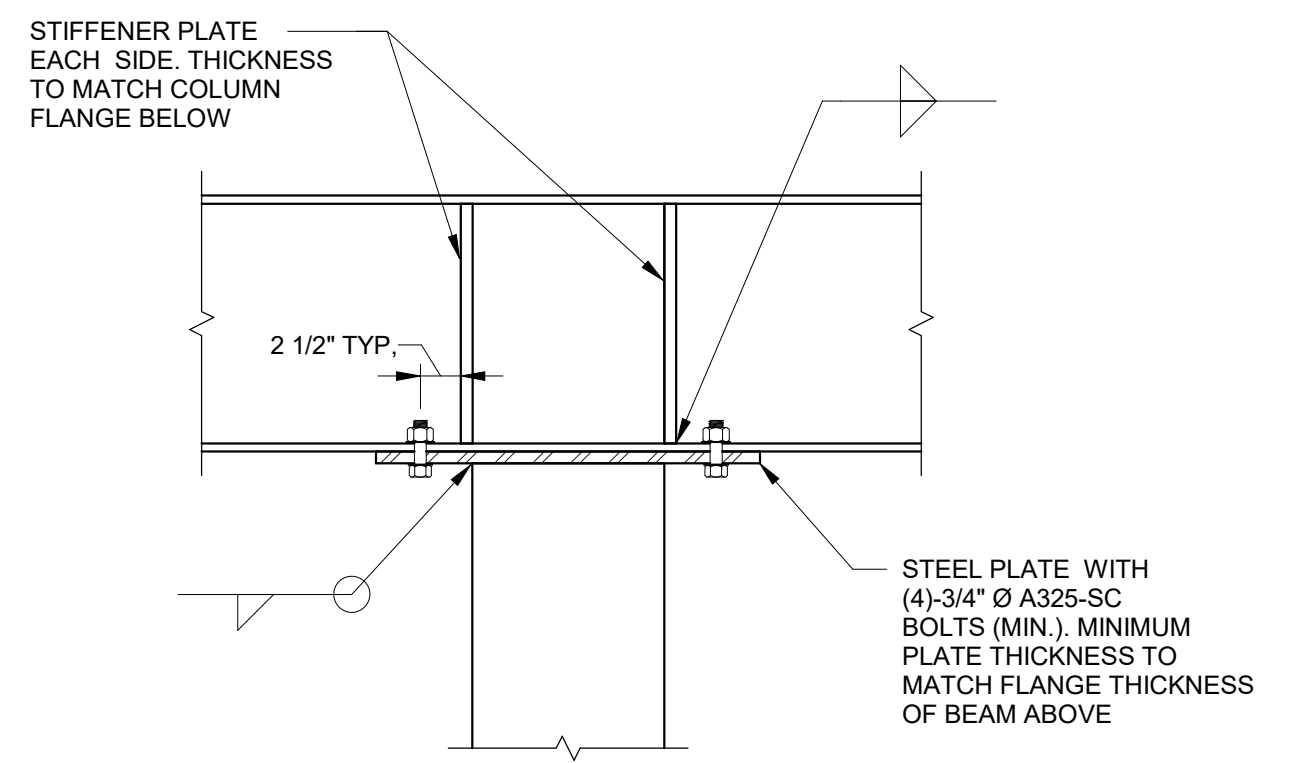
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SILMAN: #18158

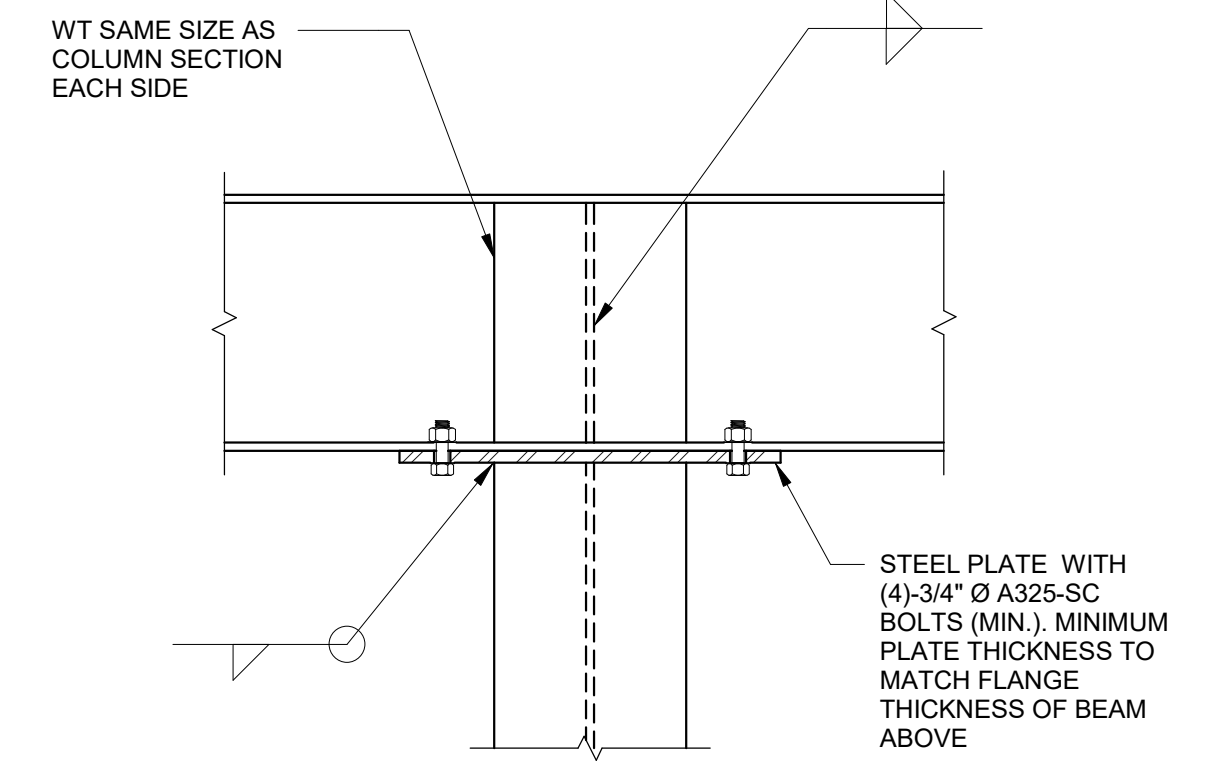


- NOTES:
1. DETAIL SPLICE AND PROVIDE MATERIALS IN ACCORDANCE WITH AISC ENGINEERING FOR STEEL CONSTRUCTION HANDBOOK AND ALL OSHA REQUIREMENTS.
 2. MAXIMUM LENGTH OF COLUMN TO BE LESSER OF 30'-0" OR 2 STORIES.
 3. PROVIDE ALIGNMENT PLATES AS REQUIRED FOR COLUMN ERECTION. REMOVE ALIGNMENT PLATES AFTER COLUMN IS INSTALLED.

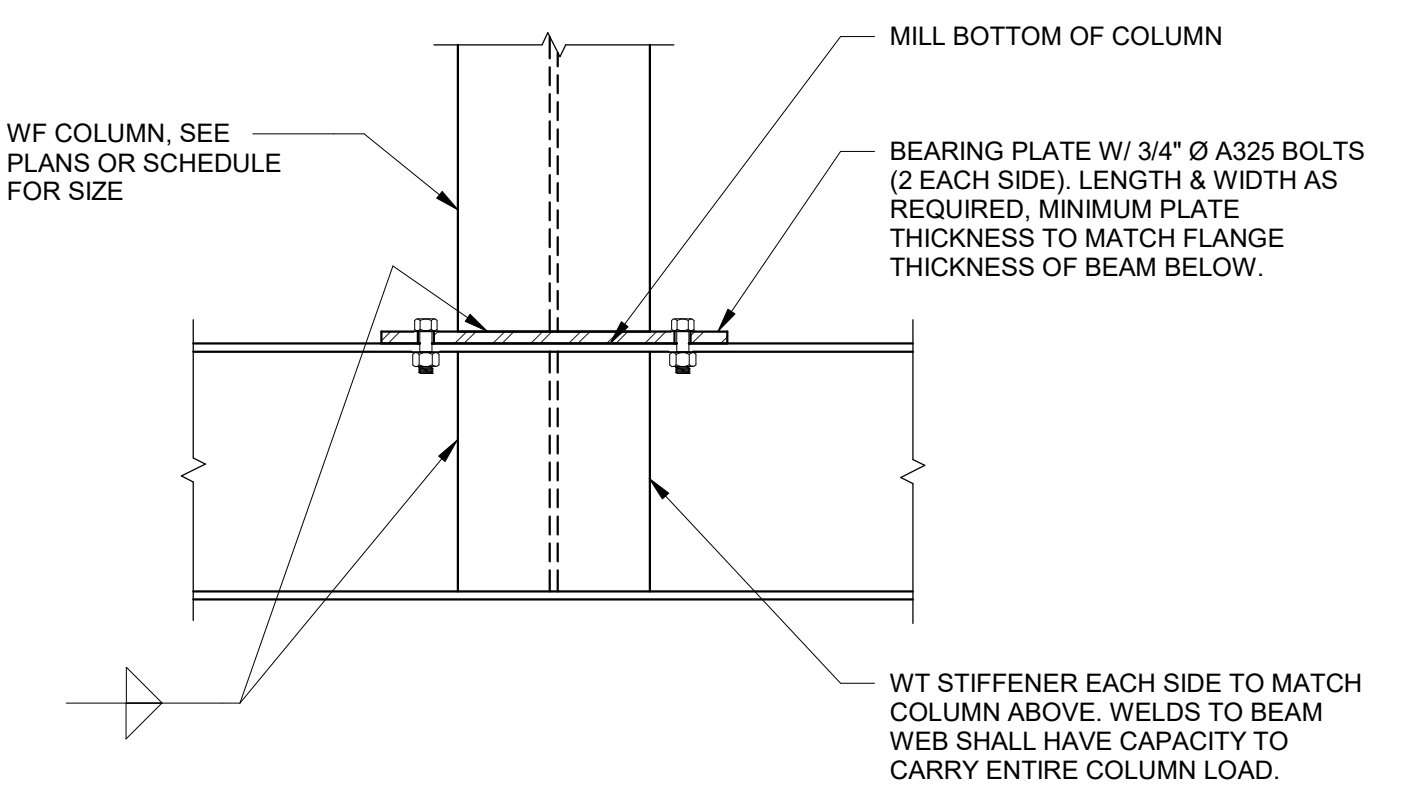
TYPICAL HSS COLUMN SPLICE
N.T.S.



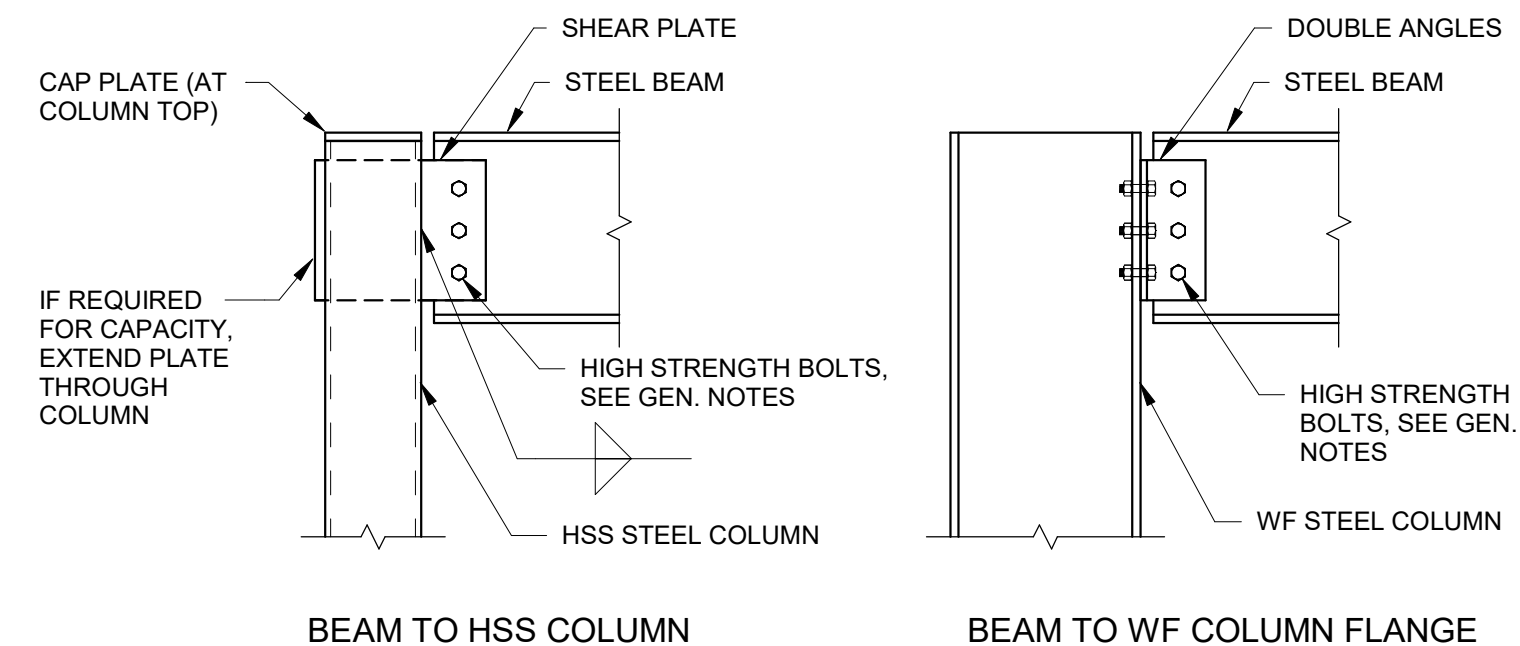
TYPICAL BEAM CONTINUOUS OVER COLUMN (PARALLEL WEBS)
N.T.S.



TYPICAL BEAM CONTINUOUS OVER COLUMN (PERPENDICULAR WEBS)
N.T.S.

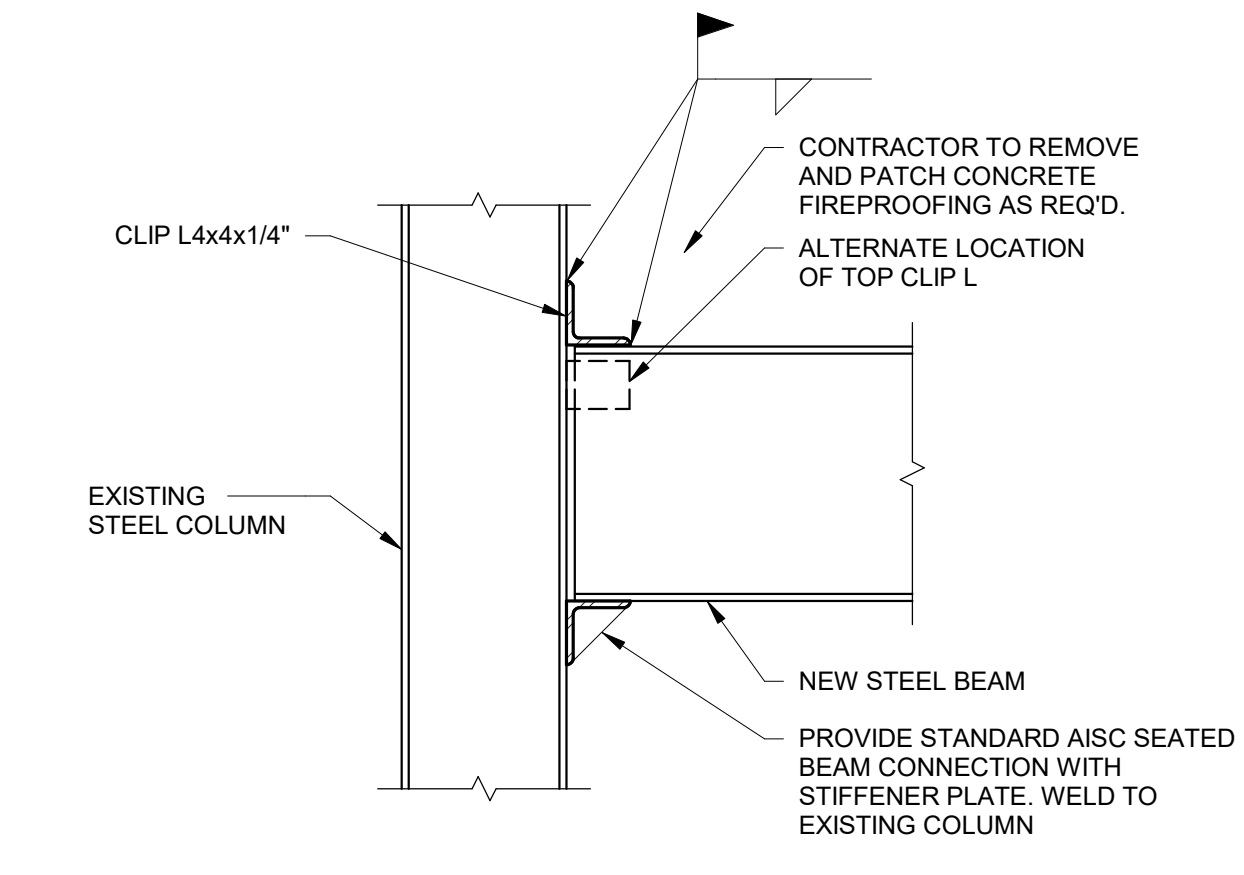


TYPICAL STIFFENER PLATE AT BEAM-SUPPORTED COLUMN (PERPENDICULAR WEBS)
N.T.S.



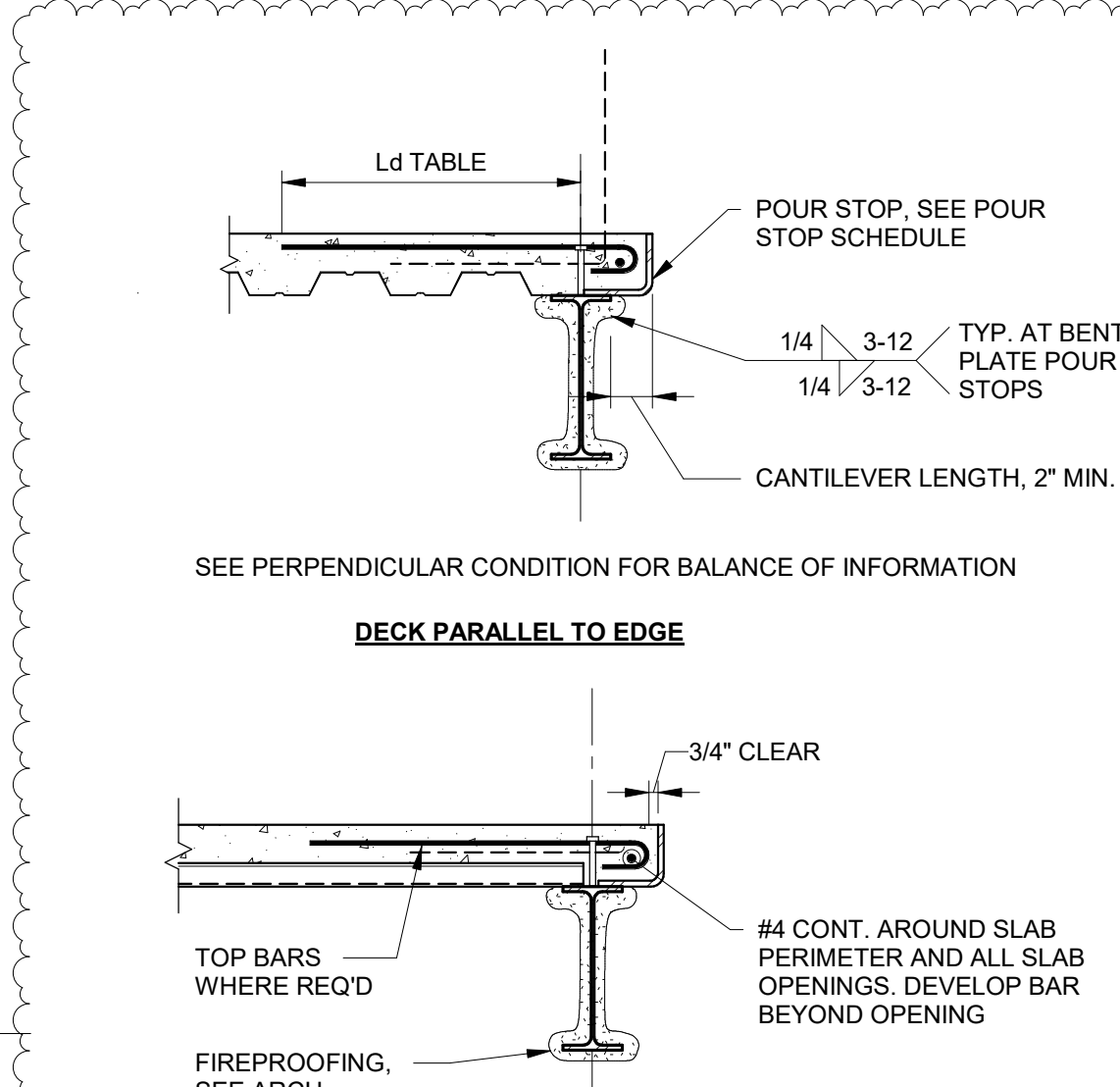
- NOTES:
1. CONNECTION DETAILS SHOWN ABOVE ARE SCHEMATIC ONLY. THE CONTRACTOR MAY SUBMIT ALTERNATE DETAILS FROM THOSE SHOWN ABOVE, BUT IN ANY CASE THE CONTRACTOR IS RESPONSIBLE FOR PRODUCING STEEL SHOP DRAWINGS IN ACCORDANCE WITH THE PROJECT GENERAL NOTES AND AISC GUIDELINES. CALCULATIONS SHALL BE SUBMITTED AS REQUIRED IN THE GENERAL NOTES AND ELSEWHERE IN THE CONTRACT DOCUMENTS.
 2. THE CONTRACTOR SHALL DETAIL THE PROJECT CONNECTIONS FOR THE LOADS AS INDICATED IN THE CONTRACT DOCUMENTS, PER AISC GUIDELINES. THE SCHEMATIC DETAILS ABOVE ARE NOT SUGGESTIVE OF SPECIFIC CAPACITIES. THE NUMBER AND SIZE OF BOLTS, SIZE AND LENGTH OF WELDS, AND SIZE OF STEEL PIECES MUST BE DETERMINED PER AISC GUIDELINES AND THE CONTRACT DOCUMENTS.
 3. PROVIDE FULL DEPTH CONNECTIONS AT ALL PERIMETER BEAM CONNECTIONS AND AT BEAM CONNECTIONS TO PERIMETER BEAMS, UNLESS OTHERWISE NOTED.

TYPICAL SUGGESTED SHEAR CONNECTIONS AT GRAVITY LOADS ONLY
N.T.S.



NOTE: IF EXISTING CONNECTIONS ON COLUMN INTERFERE WITH THIS DETAIL, CONTRACTOR SHALL SUBMIT ALTERNATE DETAIL FOR REVIEW.

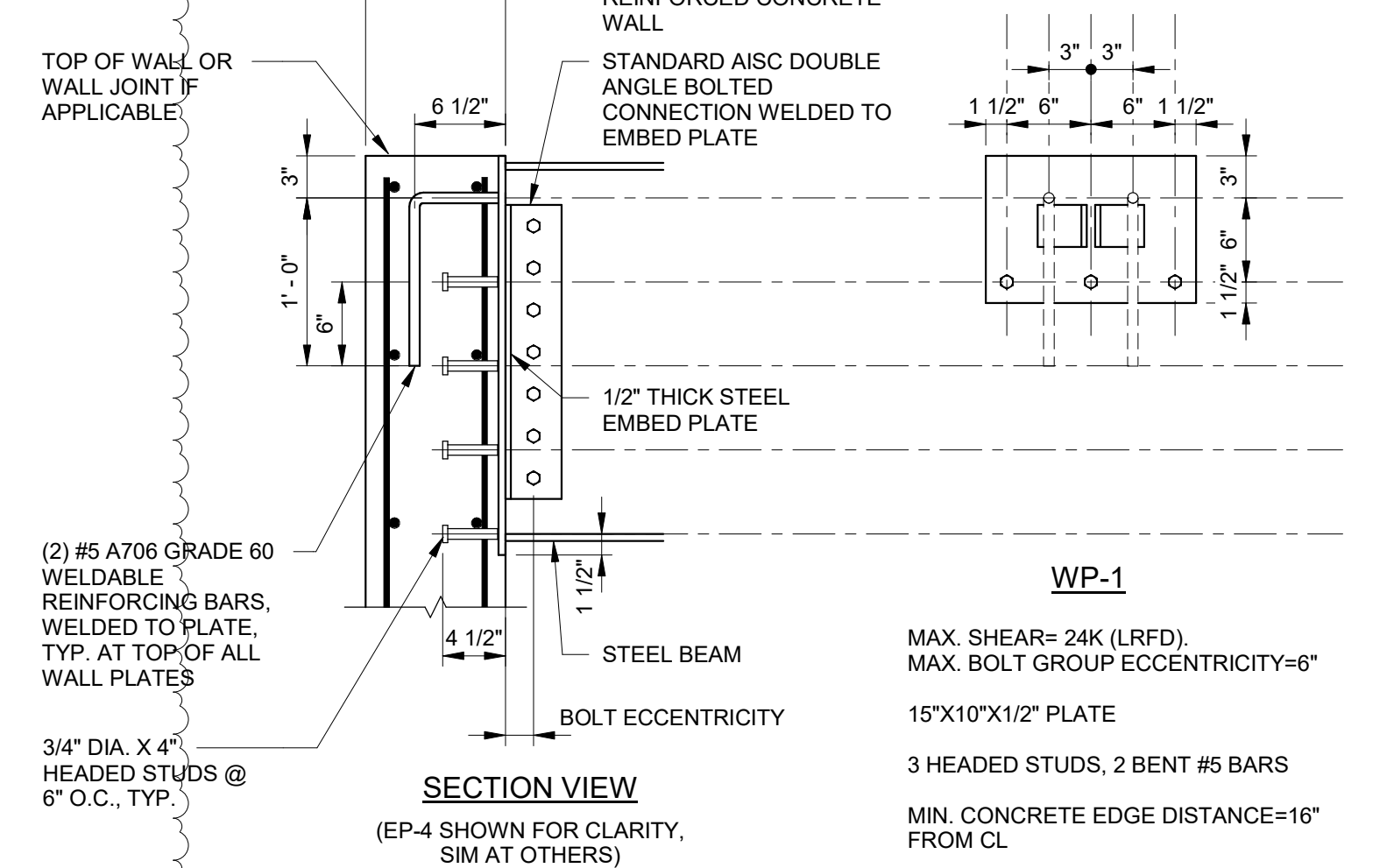
TYPICAL CONNECTION OF NEW BEAM TO EXISTING COLUMN
N.T.S.



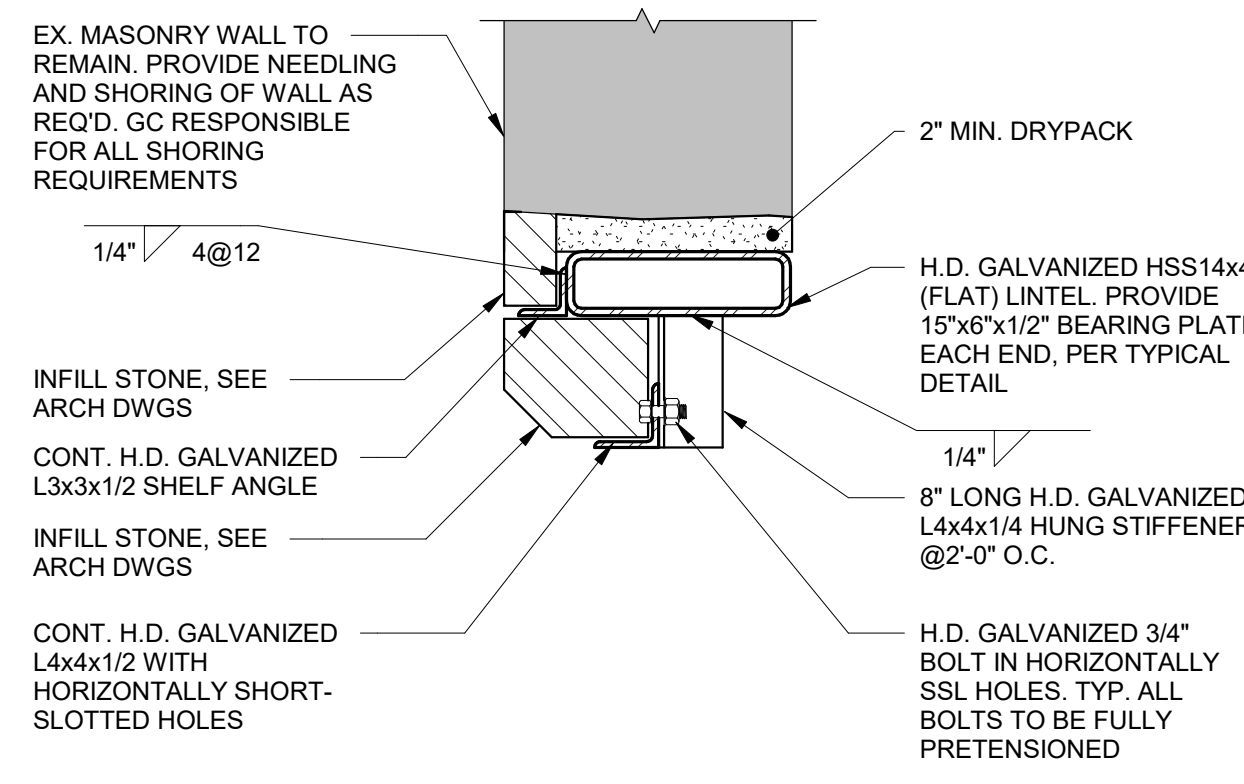
POUR STOP SCHEDULE

SLAB CANTILEVER	BENT PLATE THICKNESS	BAR SIZE	SPACING	Ld
LESS THAN 6"	POUR STOP BY DECK MANUFACTURER	--	--	--
0'-6" - 0'-11"	5/16"	#4	12"	2'-0"
1'-0" - 1'-6"	5/16"	#4	12"	3'-0"
1'-7" - 1'-11"	3/8"	#5	12"	4'-0"
2'-0" - 2'-6"	1/2"	#5	12"	4'-6"

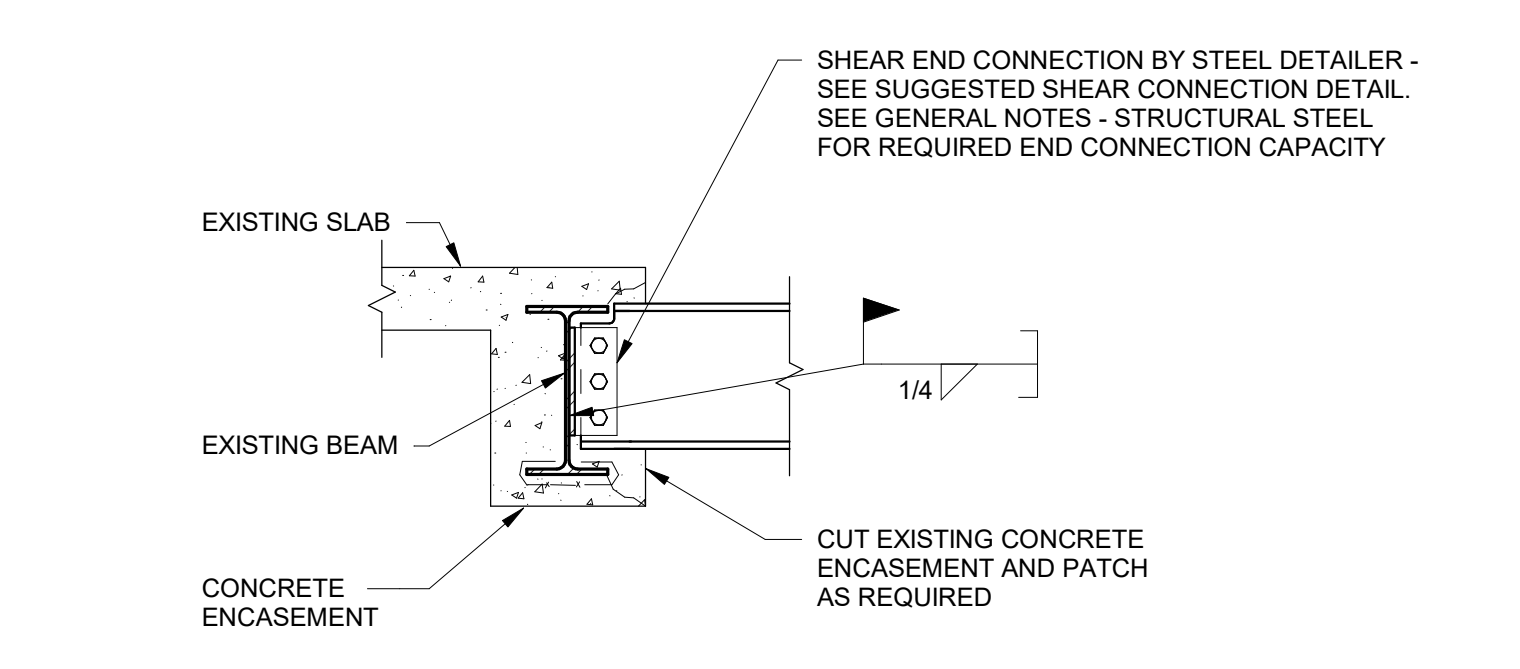
TYPICAL CONCRETE SLAB ON METAL DECK SLAB EDGE CONDITION
N.T.S.



TYPICAL WALL PLATE DETAIL FOR STEEL BEAM TO CONCRETE WALL CONNECTION
N.T.S.

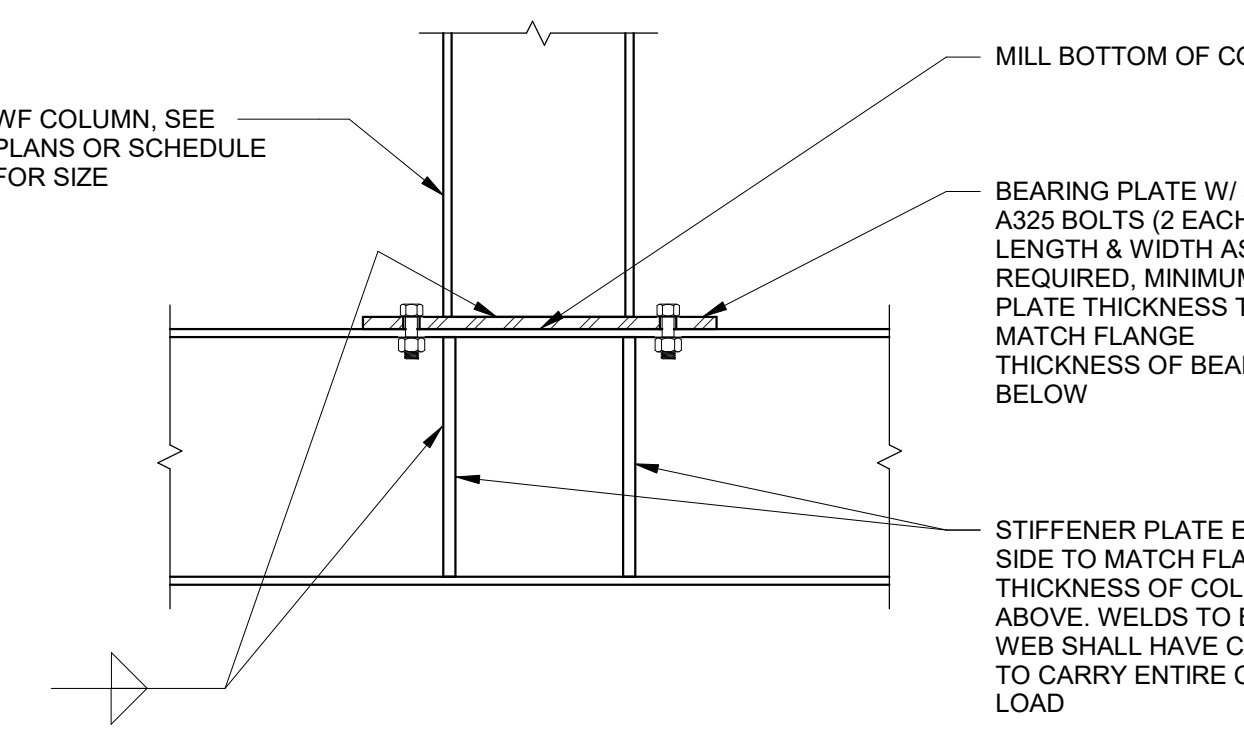


TYPICAL FLAT HSS TUBE LINTEL IN EXISTING MASONRY WALL
N.T.S.

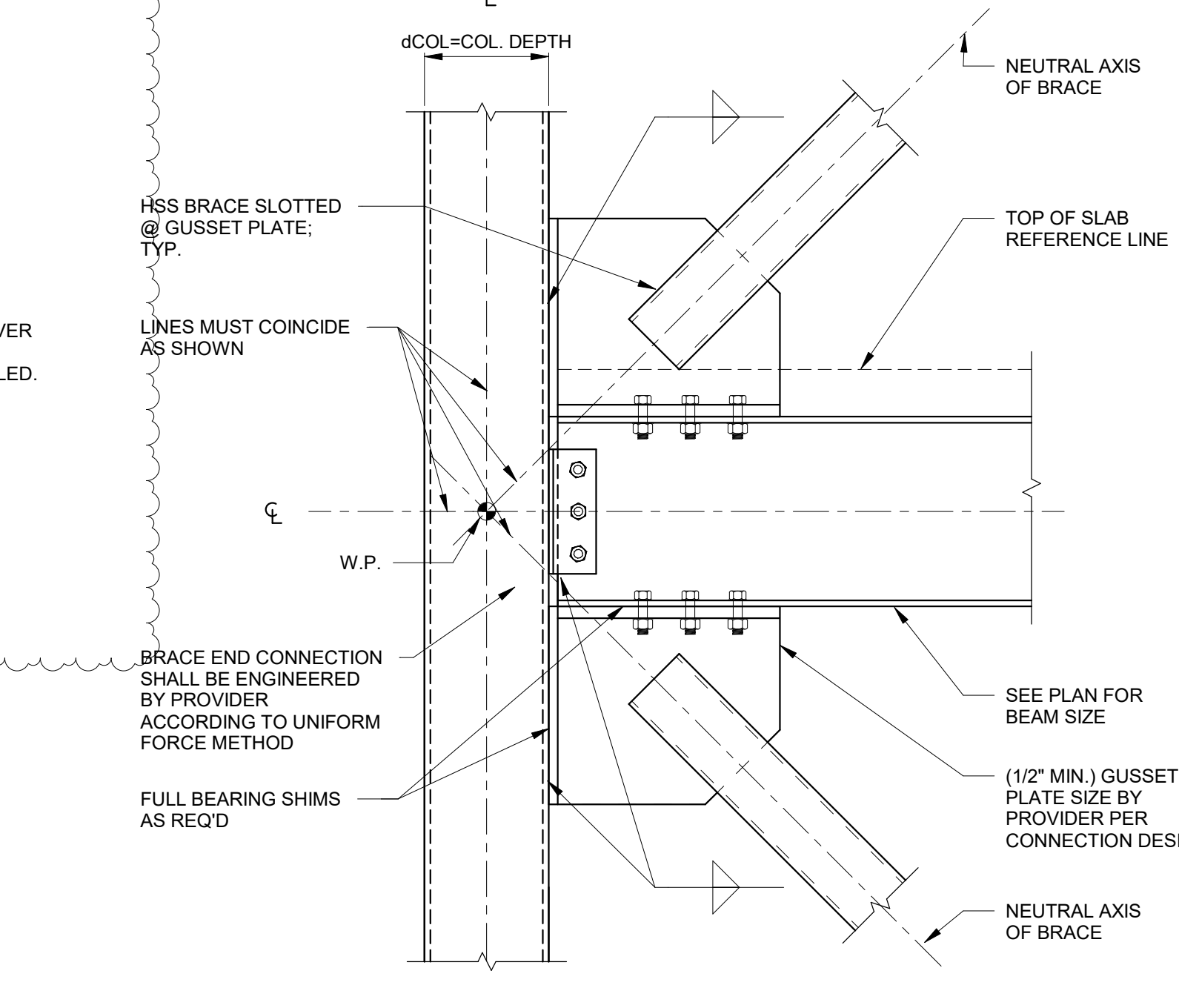


NOTE: IF EXISTING CONNECTIONS INTERFERE WITH THIS DETAIL, CONTRACTOR SHALL SUBMIT ALTERNATE DETAIL FOR REVIEW.

TYPICAL CONNECTION OF NEW BEAM TO EXISTING BEAM
N.T.S.

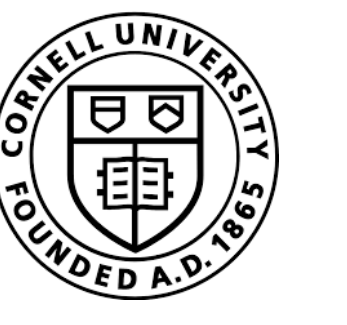


TYPICAL STIFFENER PLATE AT BEAM-SUPPORTED COLUMN (PARALLEL WEBS)
N.T.S.



NOTE: CONNECTION DETAILS SHOWN ABOVE ARE SCHEMATIC DETAILS ONLY. CONTRACTOR SHALL DETAIL BRACE CONNECTIONS BASED ON AXIAL LOADS INDICATED IN LATERAL FRAME ELEVATIONS AND SHALL PROVIDE SIGNED AND SEALED CALCULATIONS PRIOR TO SUBMISSION OF SHOP DRAWINGS

TYPICAL HSS LATERAL BRACE CONNECTION AT COLUMN
N.T.S.



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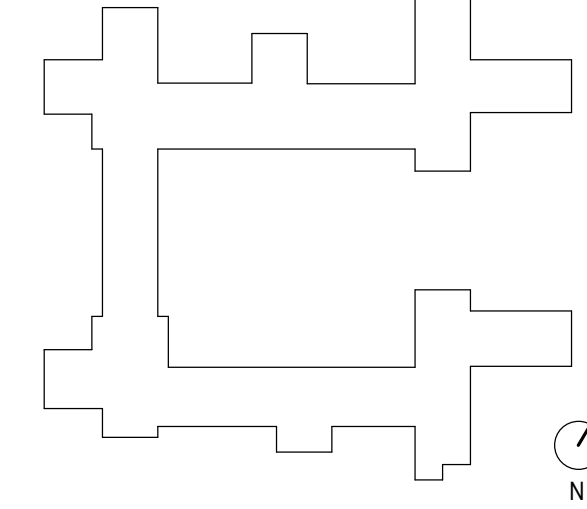
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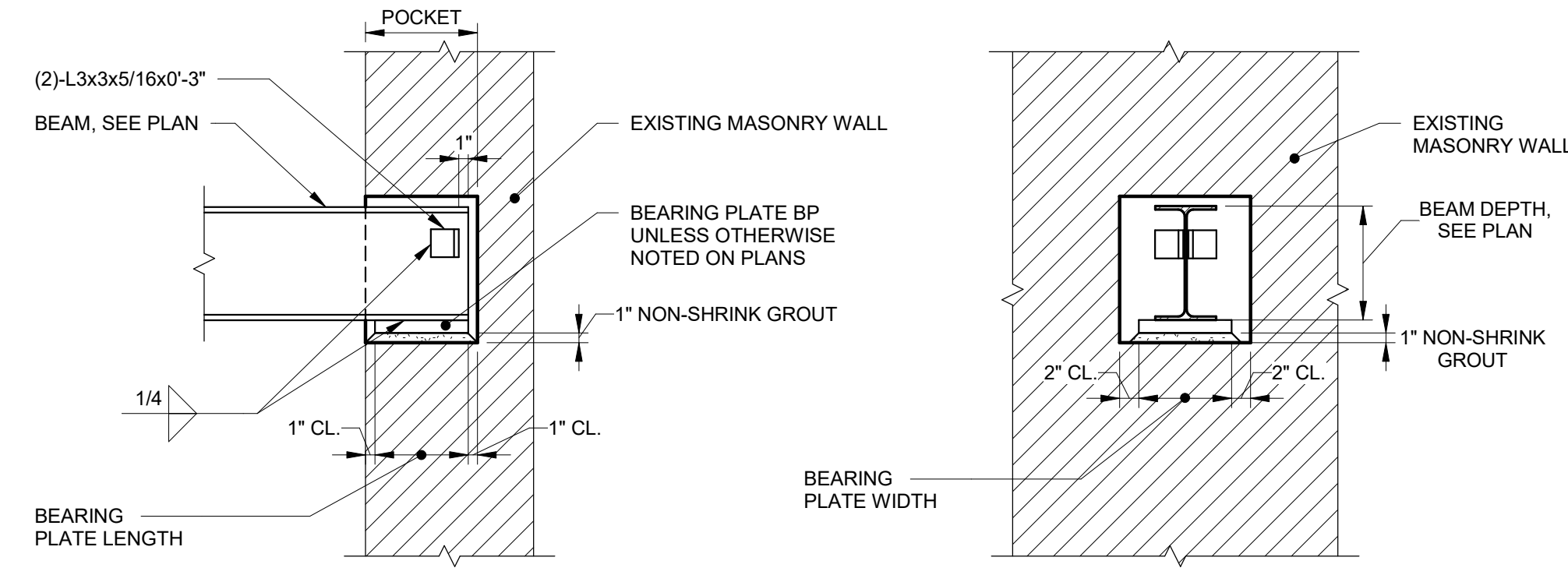
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NOTE: FILL HOLLOW IN WALL UNDER BEARING PLATE SOLID WITH MORTARED BRICK BEFORE PLACING PLATE. (MINIMUM 2 COURSES)

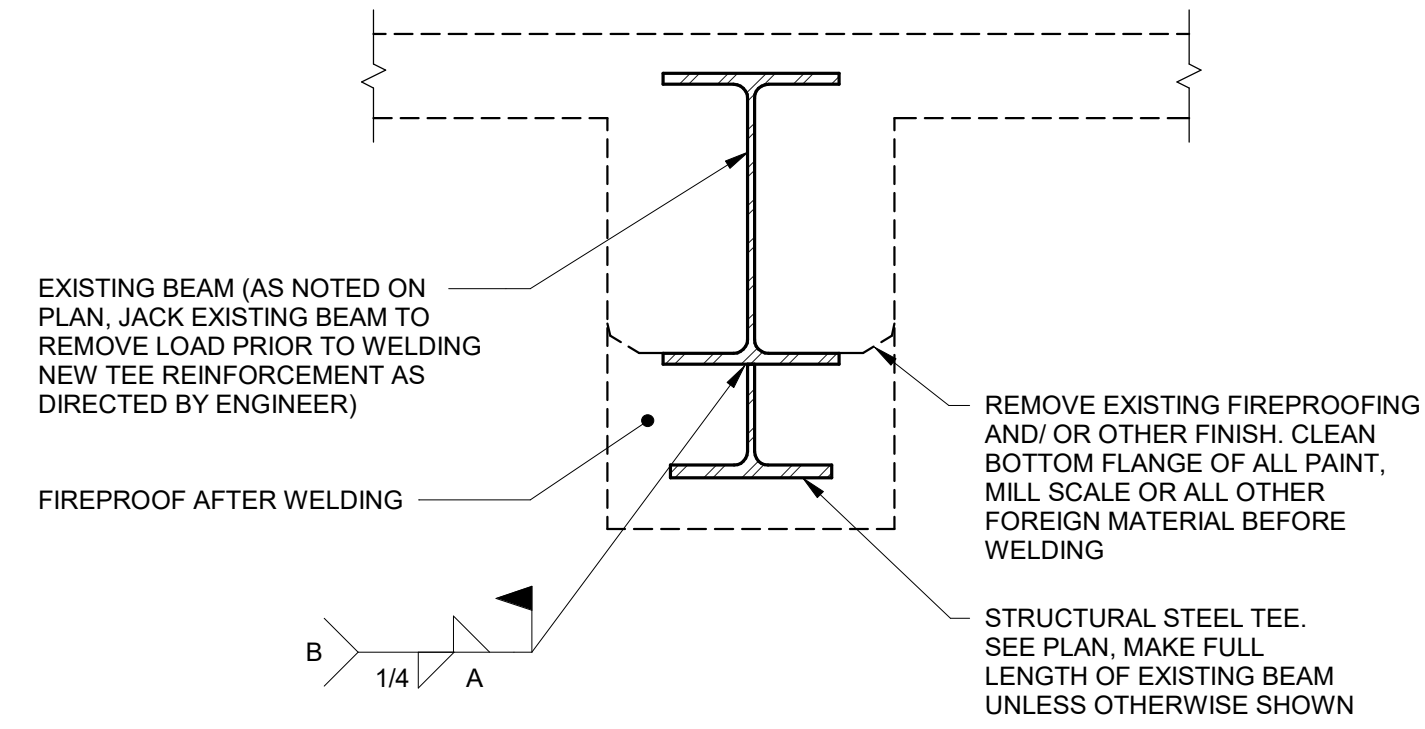
SECTION

NOTE: CUT POCKET IN WALL AS SHOWN. AFTER BEAM IS INSTALLED BRICK UP POCKET SOLID. FULL MORTAR BEDDING IN ALL H & V BRICK JOINTS, TO POCKET FACES AND TO BEAM. (ALTERNATE: GROUT SOLID)

ELEVATION

TYPICAL BEAM BEARING ON EXISTING WALL

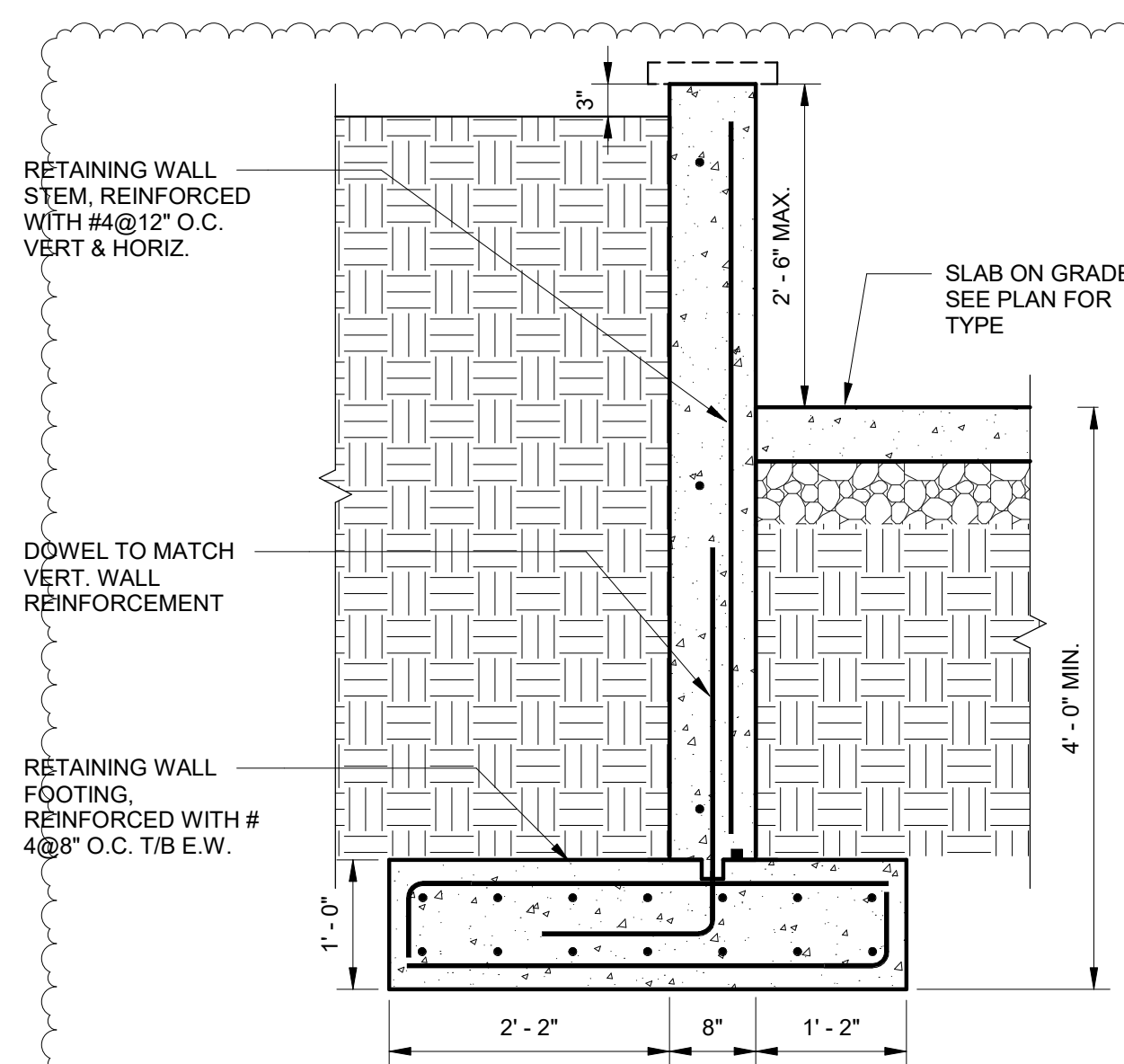
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MARK	EXISTING BEAM SIZE	WT REINFORCING SIZE	A	B	COMMENTS
B1	12128.5	WT6x53	CONT.	-	
B2	12136.5	WT6x36	CONT.	-	
B3	8117.5	WT6x15	4-12	18" EACH SIDE & RETURN @ ENDS	
B4	8117.5	WT6x36	CONT.	-	
B5	12136.5	WT6x68	CONT.	-	
B6	15138.5	WT6x48	6-12	57" EACH SIDE & RETURN @ ENDS	
B7	15138.5	3/8"x7-3/4" PLATE	4-12	8" EACH SIDE & RETURN @ ENDS	SIM. DETAIL FOR PLATE REINFORCING
B8	12128.5	WT6x9.5	4-12	12" EACH SIDE & RETURN @ ENDS	

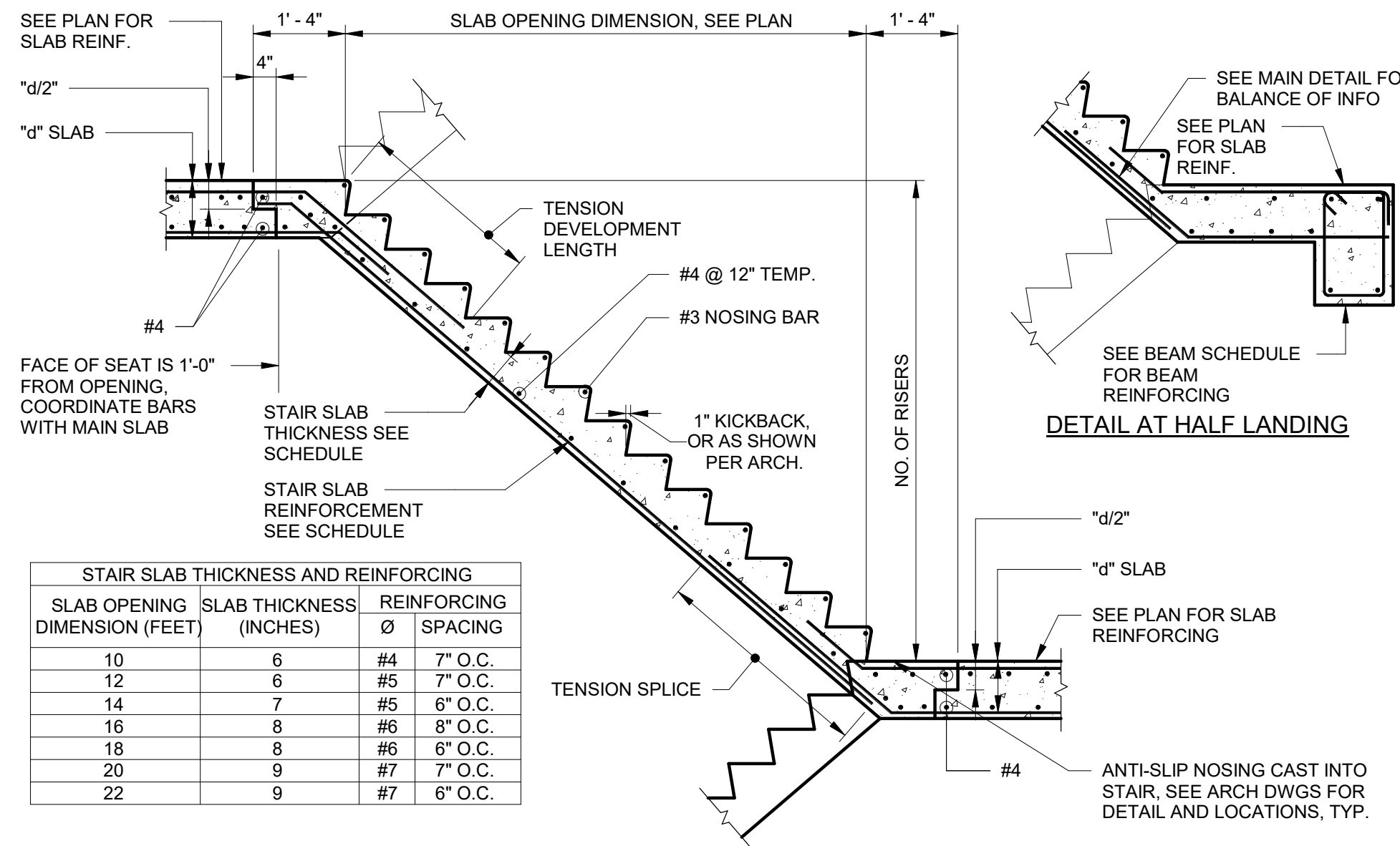
TYPICAL WT REINFORCING OF EXISTING STEEL BEAM

N.T.S.



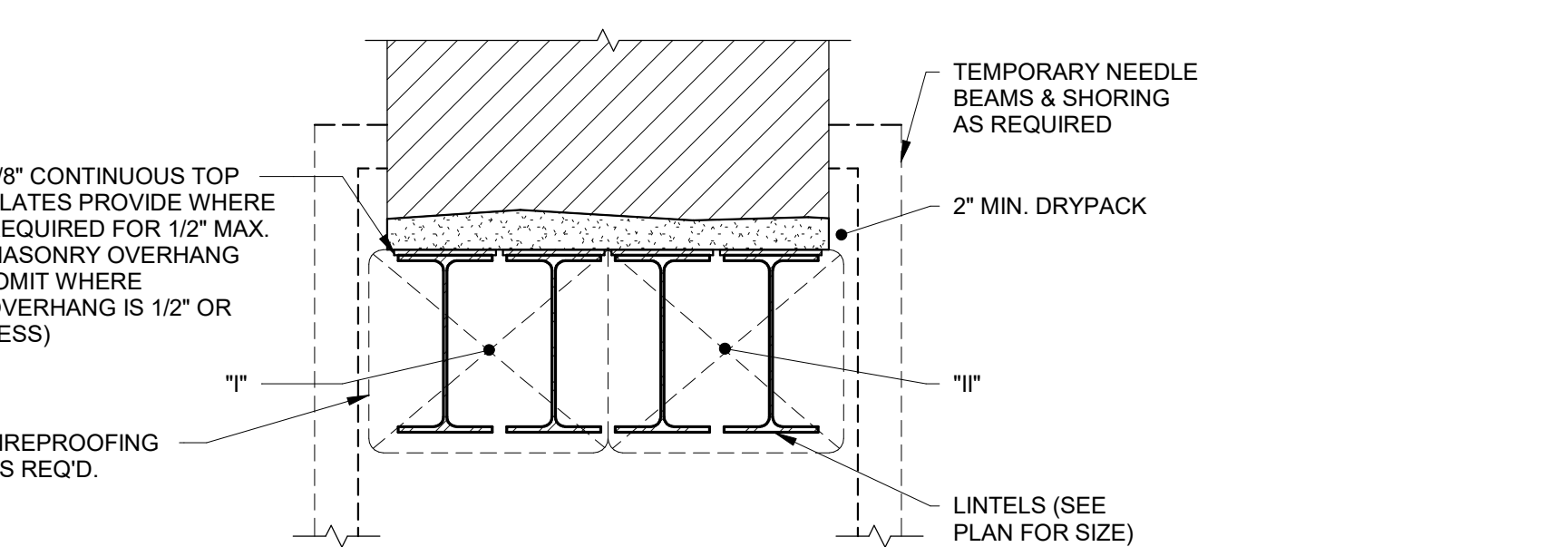
TYPICAL CONCRETE RETAINING WALL DETAIL (MAX. STEM HEIGHT 2'-6" ABOVE GRADE)

N.T.S.



TYPICAL CONCRETE STAIR

N.T.S.

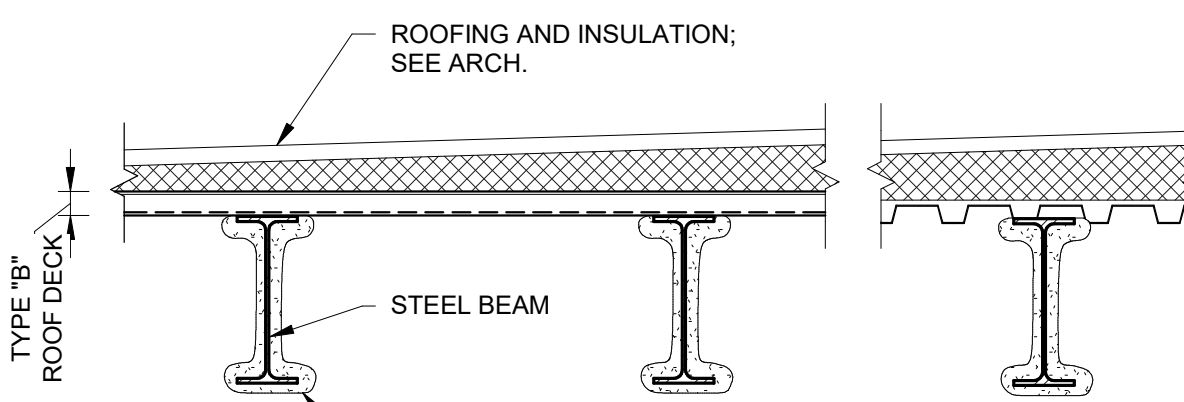


SEQUENCE OF CONSTRUCTION:

1. PROVIDE NEEDLING AND SHORING AS REQUIRED FOR EXISTING WALL ABOVE.
2. INSTALL BEARING PLATE AT EACH END FOR LINTEL BEAM BEARING ON EXISTING WALL.
3. CHASE OUT EXISTING MASONRY AT "T" AND INSTALL NEW LINTEL BEAM(S) "T".
4. PROVIDE CONTINUOUS DRYPACK ABOVE LINTEL.
5. AFTER DRYPACK AT "T" HAS SET REPEAT STEPS 2 THRU 4 FOR LINTEL BEAM(S) "I".
6. INSTALL BOLT AND PIPE SEPARATORS AT LINTEL SPAN 1/3 POINTS AND AT EACH END.
7. REMOVE WALL BELOW LINTEL AT NEW OPENING.

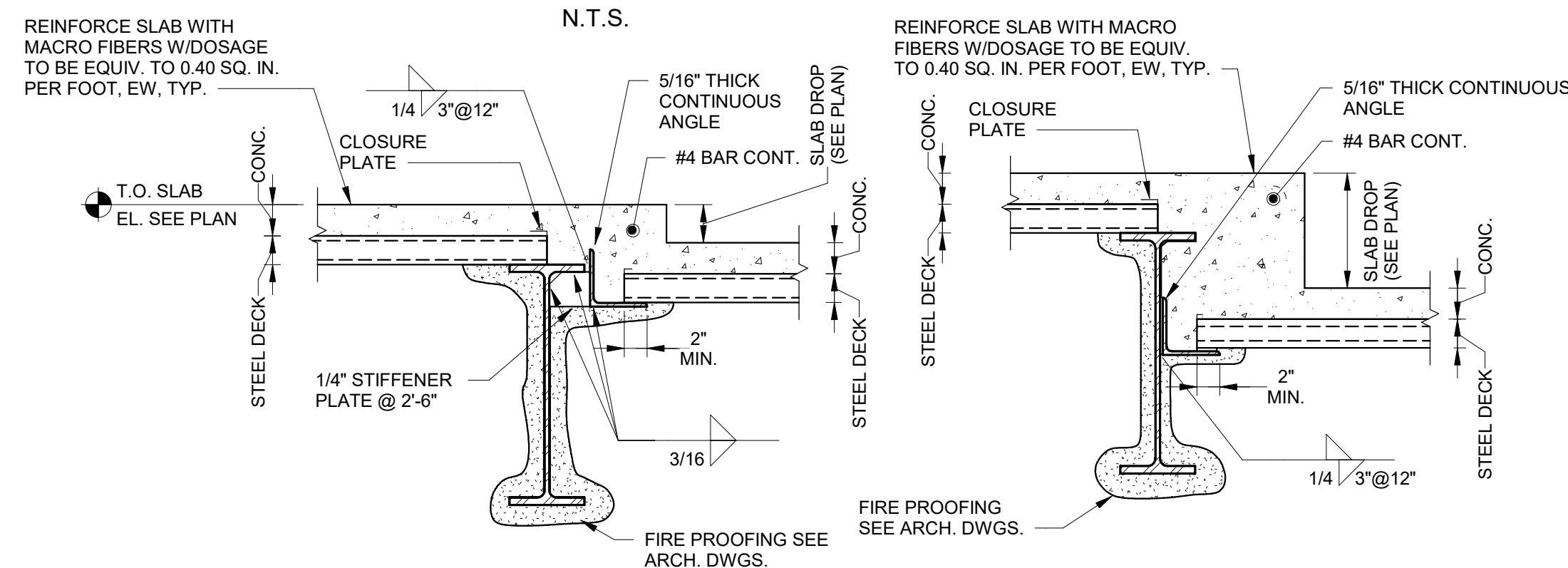
TYPICAL MULTI-WF LINTEL IN EXISTING INTERIOR MASONRY WALL

N.T.S.



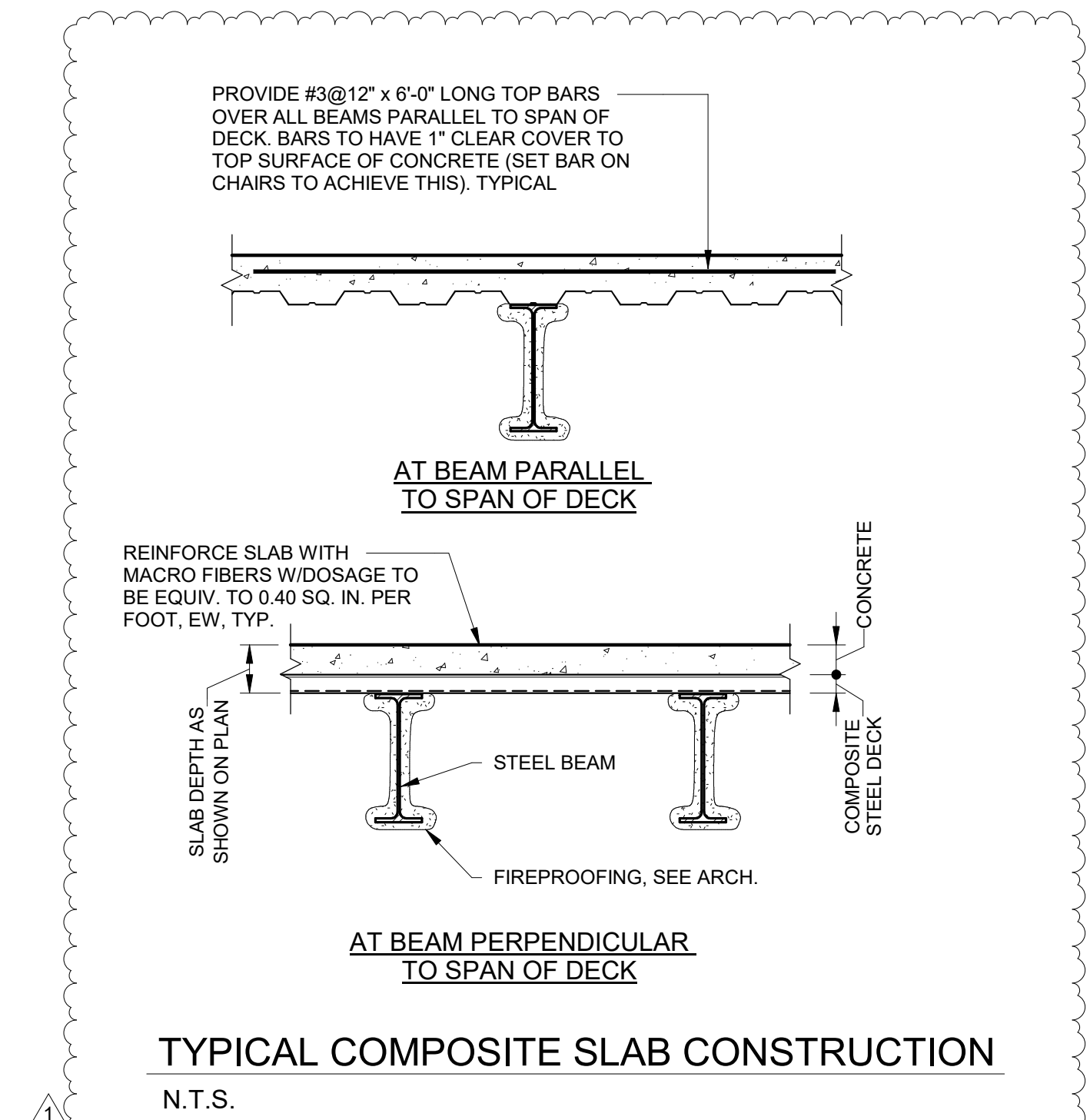
TYPICAL METAL ROOF DECK CONSTRUCTION

N.T.S.



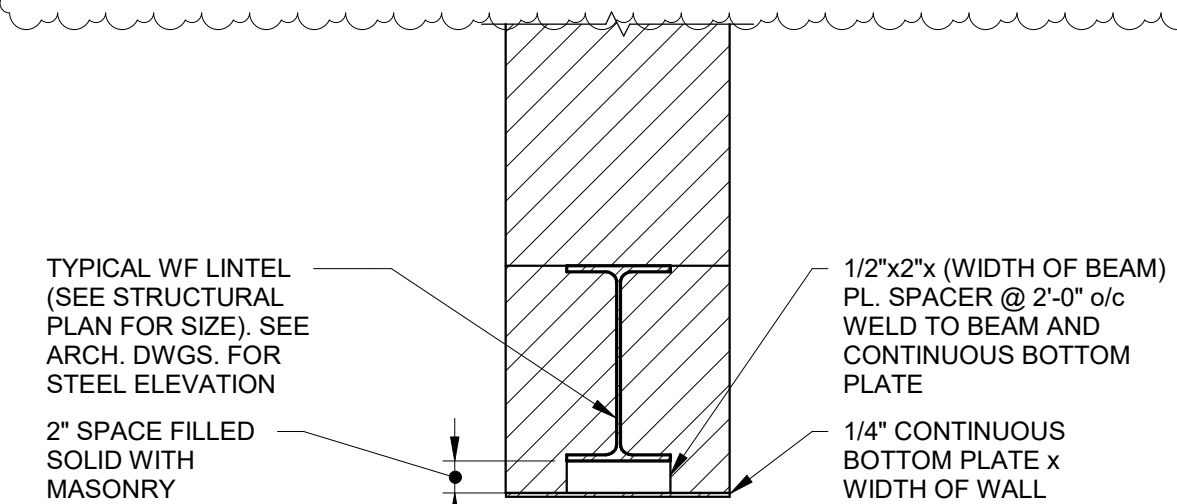
TYPICAL STEP IN SLAB ON METAL DECK

N.T.S.



TYPICAL COMPOSITE SLAB CONSTRUCTION

N.T.S.



TYPICAL FIREPROOFED STEEL LINTEL IN EXTERIOR MASONRY WALL

N.T.S.

ANCHOR TOP OF CMU WALL WITH 3/16" GALV. STEEL U SHAPED CLIP 3" WALL THICKNESS x 16" LONG @ SPACING TO MATCH AND ALIGN WITH VERTICAL WALL REINFORCING (PTA 422 BY H & B OR EQUAL) W/ (2) 1/2" Ø THREADED RODS WITH HILTI HY-270 ADHESIVE. EMBED = 6". PROVIDE SCREENS AS NEEDED PER MANUFACTURER AND PACK TIGHT ANY VOID SPACE WITH NON-SHRINK GROUT

PROVIDE 8" OR 12" BLOCK AT OPENING, TO MATCH WALL THICKNESS. SEE TYPICAL DETAIL REINFORCING FOR INFILL MASONRY WALLS

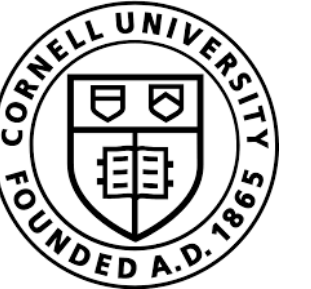
#3 x 1'-6" DOWELS TO MATCH WALL REINFORCING SPACING. EMBED DOWELS WITH HILTI HY 270 ADHESIVE. 6" EMBED PER MANUFACTURER

NOTES:

1. REINFORCE AND GROUT FIRST AND LAST COURSE OF INFILL. TYPICAL REINFORCE AND GROUT BALANCE OF COURSES PER TYPICAL DETAIL.
2. INSTALL DOWELS AND THREADED RODS AS CLOSE TO CENTERLINE OF EXISTING WALL AS POSSIBLE.
3. REPAIR BRICK AT EDGES OF OPENINGS AS REQUIRED PER TYPICAL DETAIL.

TYPICAL DETAIL - INFILL OF EXISTING OPENING IN EXTERIOR WALL

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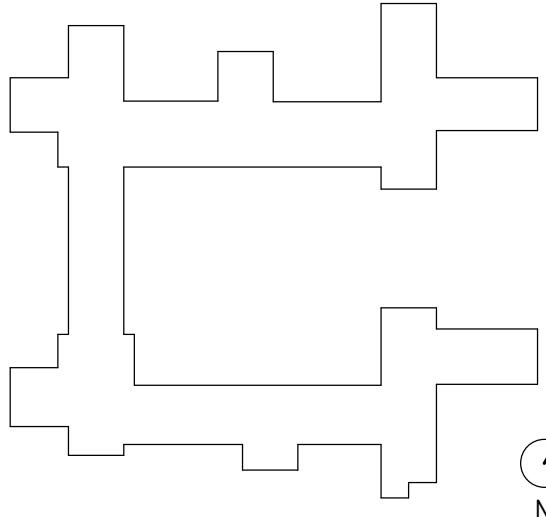
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