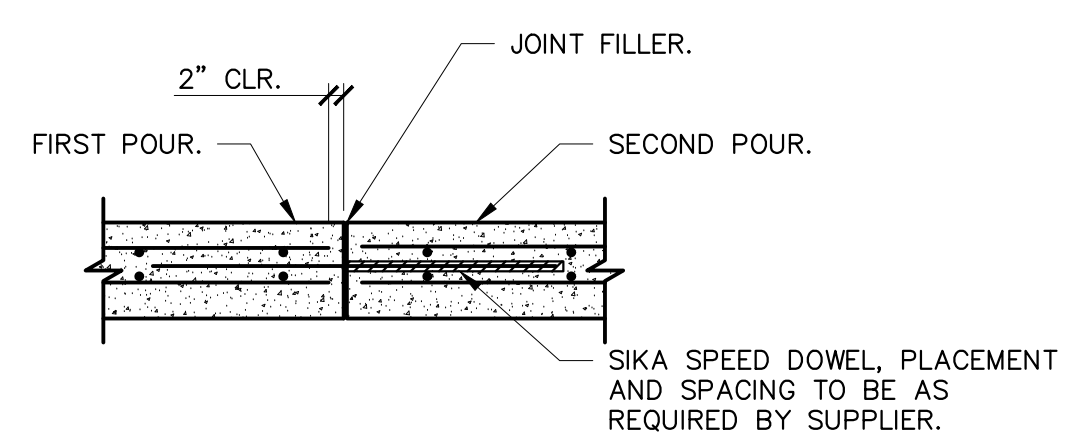
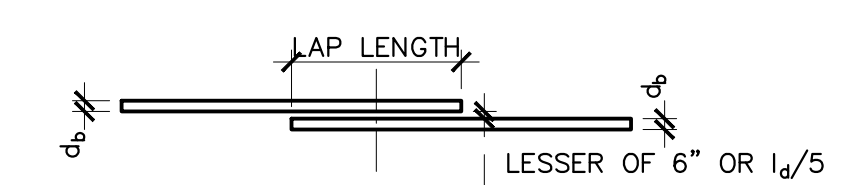


SAW CUT AS SOON AS POSSIBLE WITHOUT RAVELING CONCRETE. (4 TO 16 HOURS AFTER POUR).



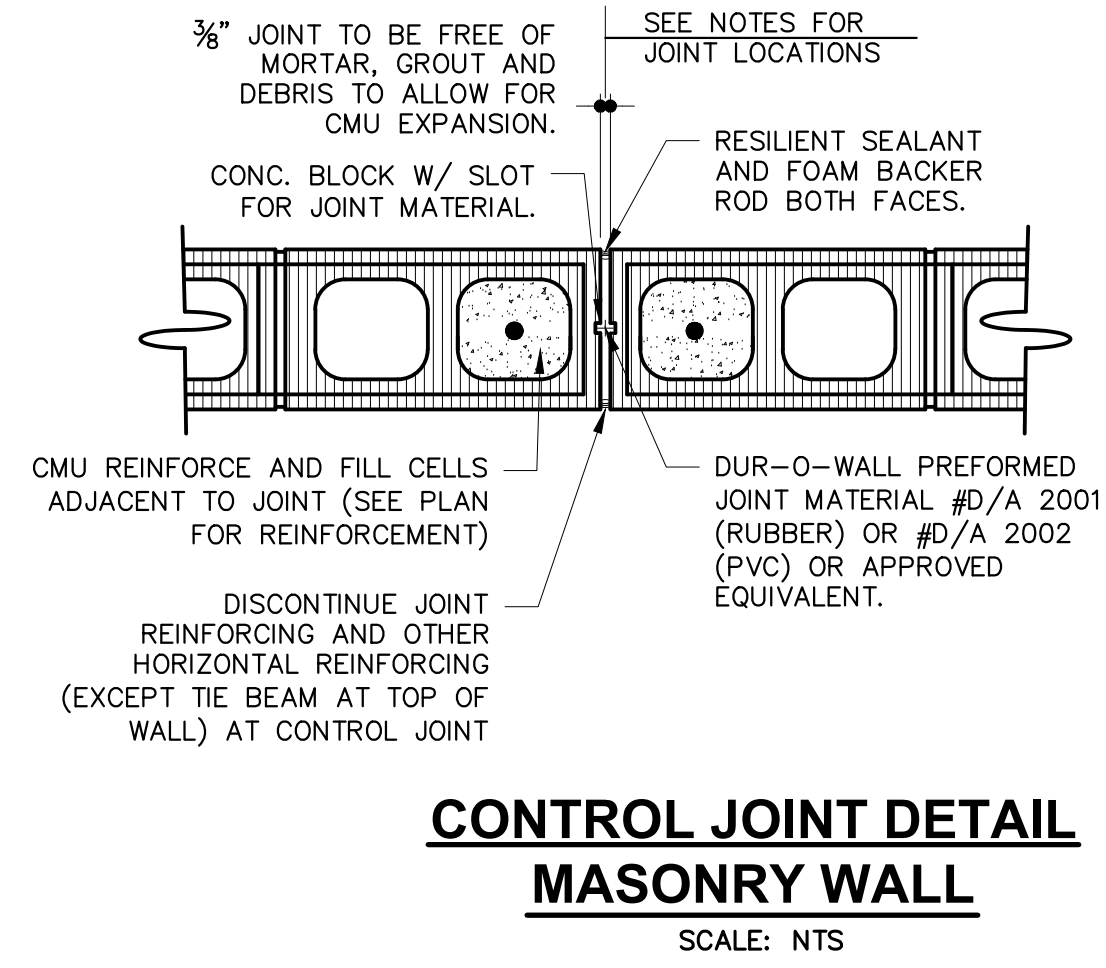
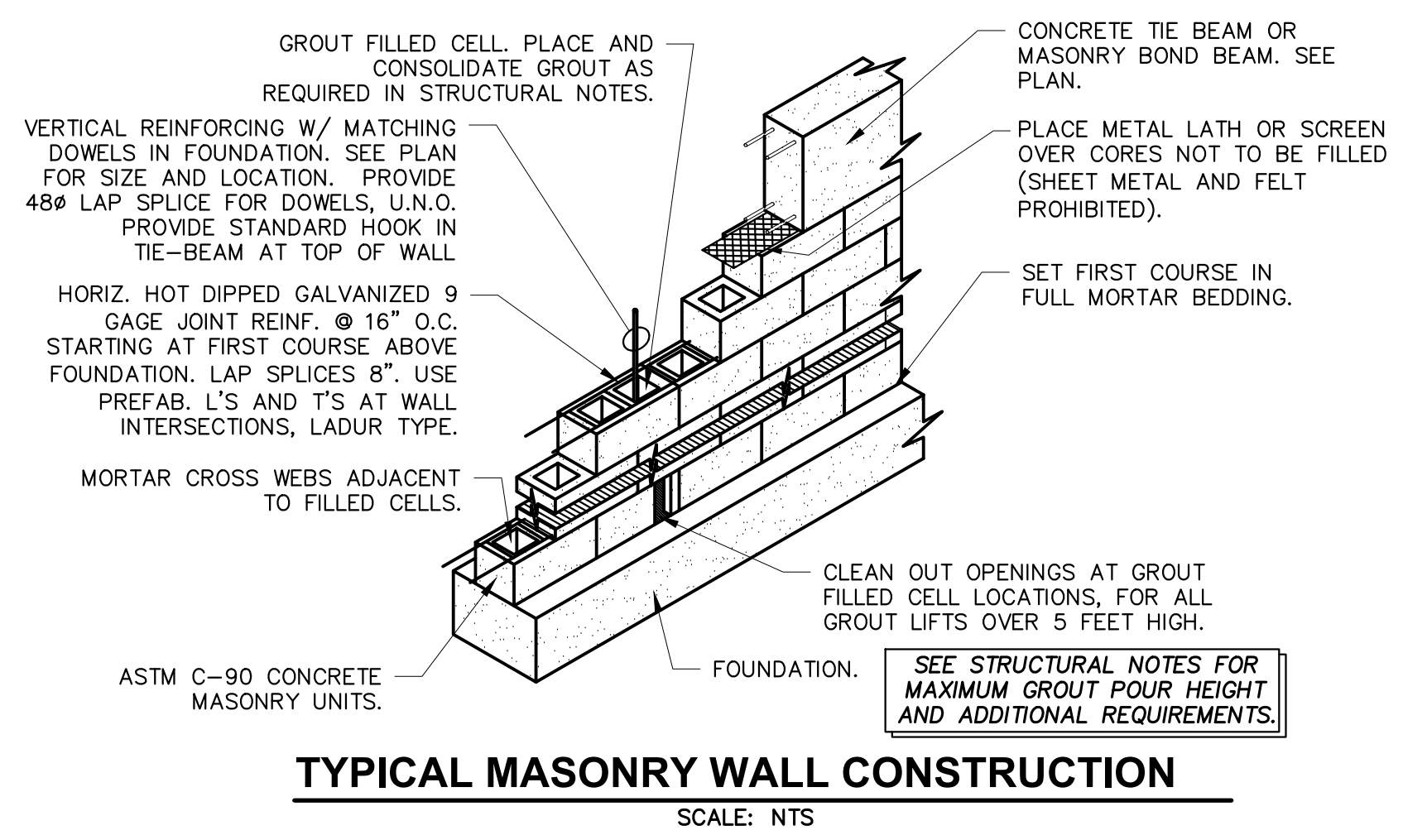
BAR SIZE	TENSION LAP / SPLICE LENGTH						COMPRESSION LAP / SPLICE LENGTH ALL BARS
	TOP BARS			OTHER BARS			
	3000 PSI	4000 PSI	5000 PSI	3000 PSI	4000 PSI	5000 PSI	ALL CONCRETE WITH $f_c \geq 3000$ psi
#3	28	24	22	22	19	17	12
#4	37	32	29	29	25	22	15
#5	47	40	36	36	31	28	19
#6	56	48	43	43	37	33	23
#7	81	70	63	63	54	49	27
#8	93	80	72	72	62	55	30
#9	105	91	81	81	70	63	34
#10	118	102	91	91	79	70	38



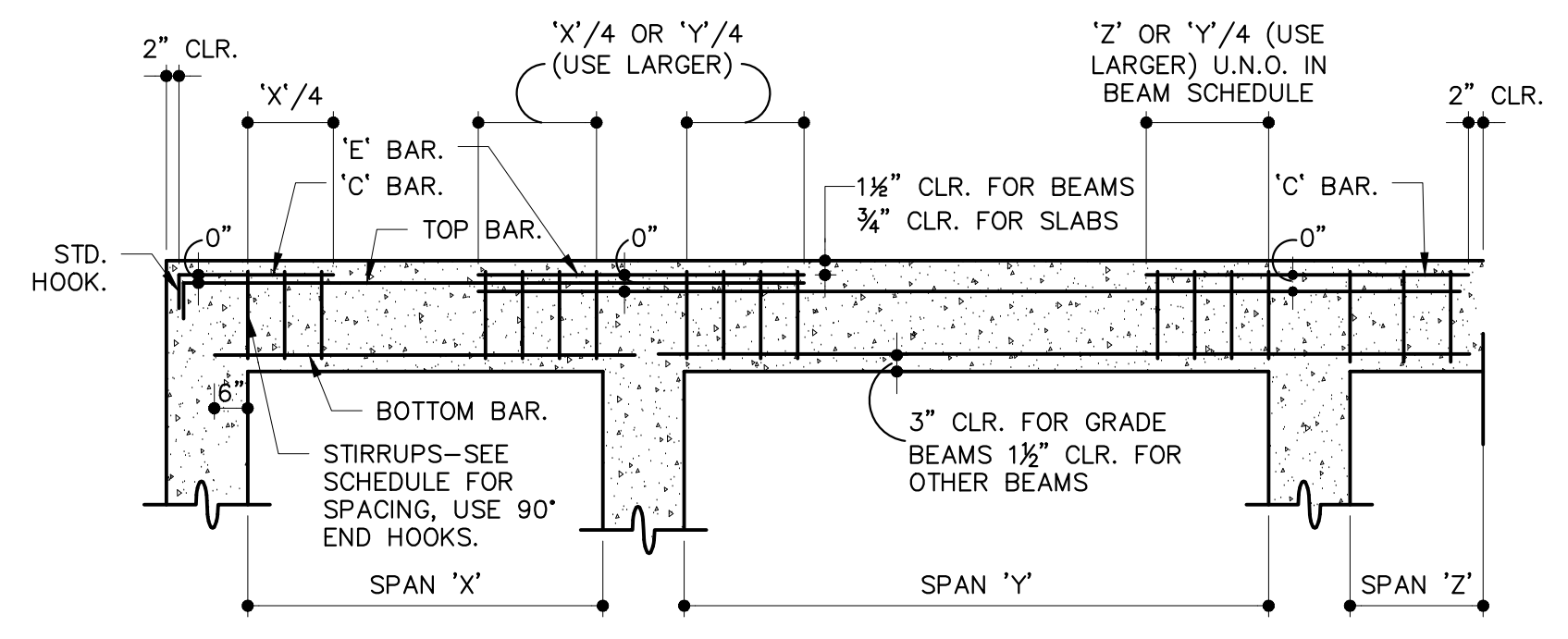
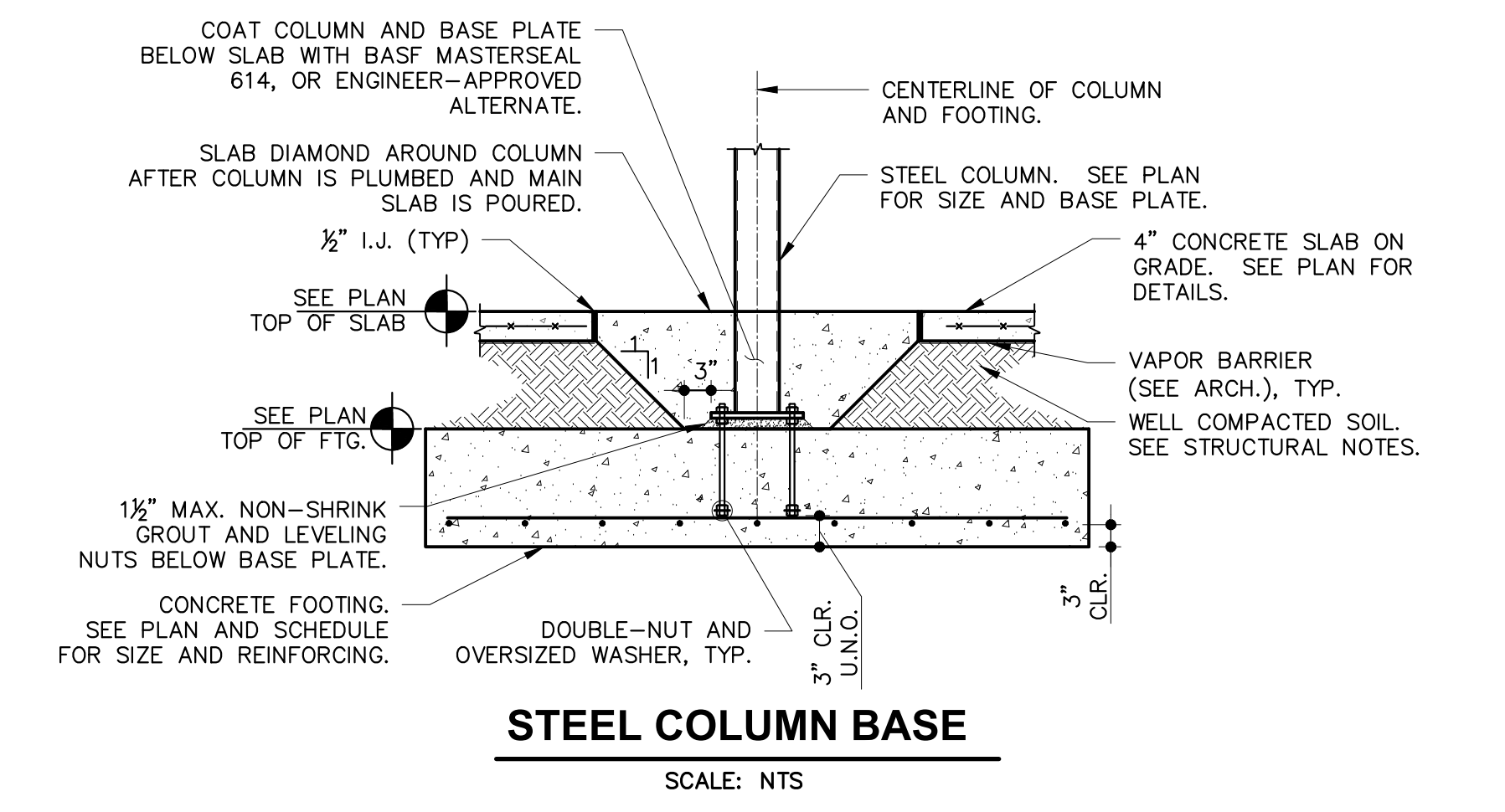
- NOTES:**
- REFER TO "HOOKED REINFORCEMENT TENSION DEVELOPMENT LENGTH SCHEDULE" WHEN THE STRAIGHT DEVELOPMENT LENGTH IN TENSION CANNOT BE ACCOMMODATED IN THE CONCRETE SECTION.
  - ALWAYS USE TENSION LAP SPLICE LENGTH VALUES, UNLESS THE PLANS OR DETAILS NOTE OTHERWISE.
  - TABULATED DEVELOPMENT AND LAP SPLICE LENGTHS ARE BASED ON REINFORCING STEEL YIELD STRENGTH  $F_y=60$  KSI, NORMAL WEIGHT CONCRETE, AND CLASS B LAPS.
  - TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12 INCHES OF FRESH CONCRETE CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE. TOP BAR FACTOR DOES NOT APPLY TO BARS IN WALLS.
  - WHEN DIFFERENT BAR DIAMETERS ARE SPLICED, USE SMALLER BAR LAP SPLICE LENGTH.
  - ALL TABULATED VALUES ARE MINIMUM LENGTH, IN CASE OF CONFLICT WITH PLANS, SECTIONS, OR DETAILS USE LONGER LENGTH.
  - $d_b$  = BAR DIAMETER
  - $l_d$  = DEVELOPMENT, LAP OR SPLICE LENGTH.
  - ADJUST TABULATED LENGTH BY THE FOLLOWING FACTORS WHERE APPLICABLE. NOTE THAT FACTORS ARE CUMULATIVE: (E.G.  $1.30 \times 1.50 = 1.95$ )
 

A. LIGHT WEIGHT CONCRETE:	1.30
B. 3 OR LESS BUNDLED BARS:	1.20
C. 4 OR MORE BUNDLED BARS:	1.33
D. CLEAR SPACING LESS THAN $2d_b$ AND CLEAR COVER LESS THAN $d_b$ :	1.50
E. CLASS A LAP SPLICE:	0.77
F. EPOXY COATED BARS:	1.50
  - WELDED AND/OR MECHANICAL SPLICES MAY BE USED AT THE GENERAL CONTRACTOR'S OPTION PROVIDED THAT THE SPLICE IS CAPABLE OF DEVELOPING AT LEAST 125% OF THE YIELD STRENGTH OF THE LARGER BAR IN TENSION. WHERE WELDED AND/OR MECHANICAL SPLICES ARE TO BE USED, THE GENERAL CONTRACTOR SHALL SUBMIT FULL DATA OF THE PROPOSED MATERIAL, PROCEDURES, AND INSTALLATION INSTRUCTIONS TO THE ENGINEER FOR REVIEW AS A SHOP DRAWING SUBMISSION.
  - USE MECHANICAL COUPLERS FOR #14 AND LARGER BARS.
  - LAP SPLICES IN CONCRETE MASONRY SHALL BE AS SPECIFIED IN STRUCTURAL NOTES.

**TYP. STRAIGHT REINFORCEMENT DEVELOPMENT AND SPLICE LENGTH SCHEDULE**  
SCALE: NTS



- NOTES:**
- COORDINATE LOCATION OF CMU CONTROL JOINTS WITH CONCRETE WALL AND STUCCO CONTROL JOINTS WHERE POSSIBLE.
  - BLOCK CONTROL JOINTS SHALL BE LOCATED AT A SPACING OF NO MORE THAN 25 FEET BETWEEN JOINTS AND NO MORE THAN 12 FEET FROM A BUILDING CORNER.
  - CONTROL JOINTS SHALL BE LOCATED AT CHANGES IN WALL HEIGHTS & CHANGES IN WALL THICKNESS.
  - CONTROL JOINTS ADJACENT TO WALL OPENINGS SHALL BE NO CLOSER THAN 8" TO THE OPENING. DEPENDING ON THE OPENING WIDTH, THE JOINT MAY NEED TO BE FURTHER AWAY SO THAT MULTIPLE REINFORCED CELLS CAN BE LOCATED BETWEEN THE CONTROL JOINT AND THE WALL OPENING. FOR OPENINGS OVER 4 FEET IN WIDTH, CONSULT WITH THE ENGINEER FOR JOINT LOCATIONS NEXT TO WALL OPENINGS.
  - SEE THE ARCHITECTURAL DRAWINGS FOR JOINT LOCATIONS. IF THE ARCHITECTURAL DRAWINGS CONFLICT WITH THE ABOVE REQUIREMENTS, THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE CONSULTED BY THE CONTRACTOR.
  - BLOCK WALL JOINTS THAT LINE UP WITH FLOOR & ROOF EXPANSION JOINTS SHALL BE DETAILED ESPECIALLY TO ALLOW A HIGHER MAGNITUDE OF MOVEMENT THAN THIS CONTROL JOINT DETAIL WILL ALLOW. DO NOT USE THIS DETAIL AT THESE EXPANSION JOINTS.



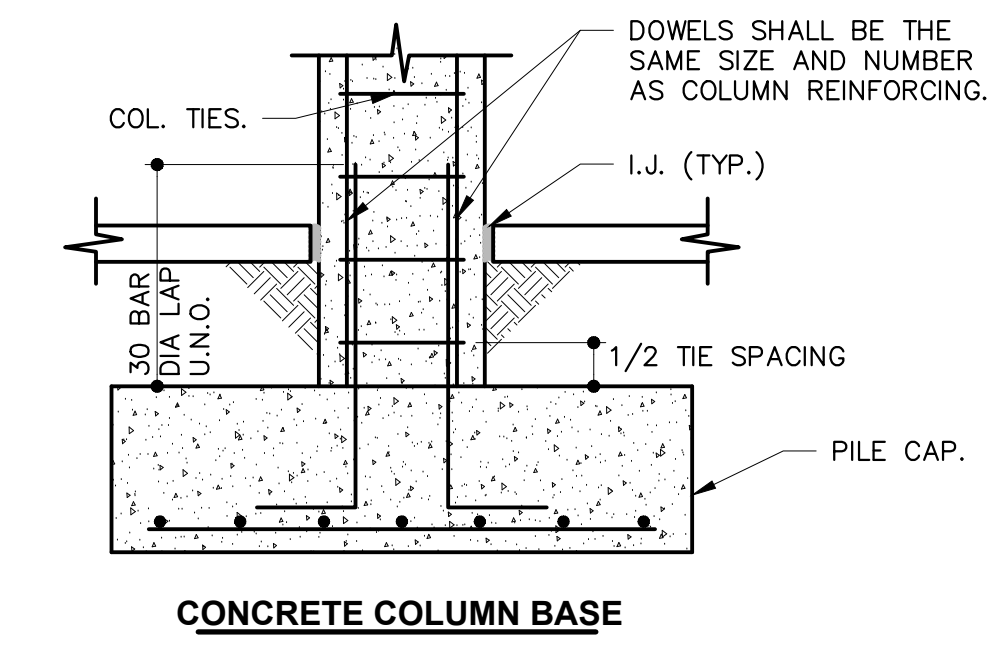
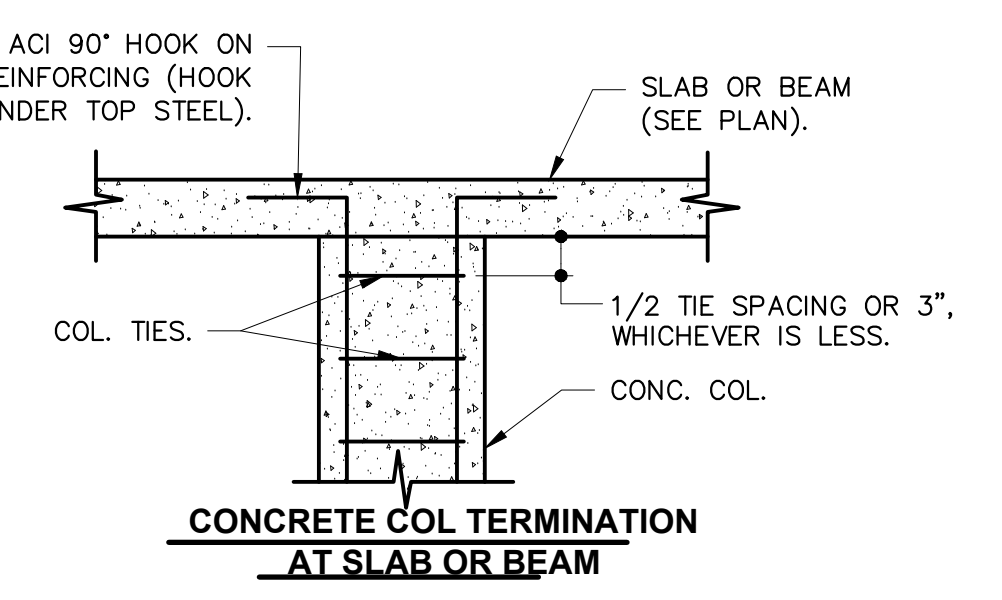
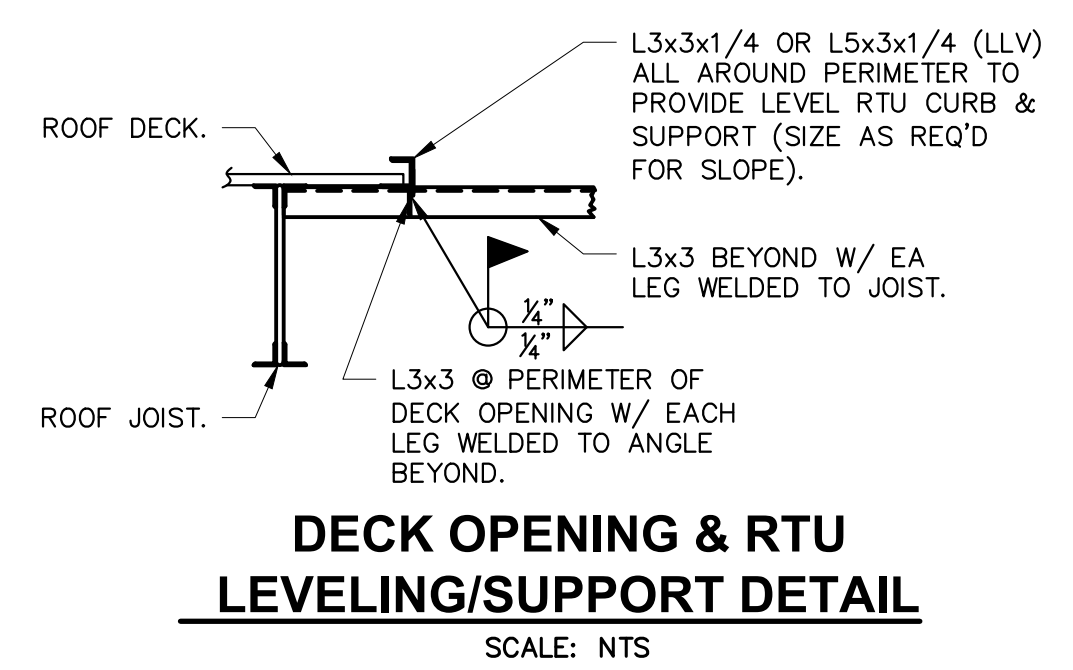
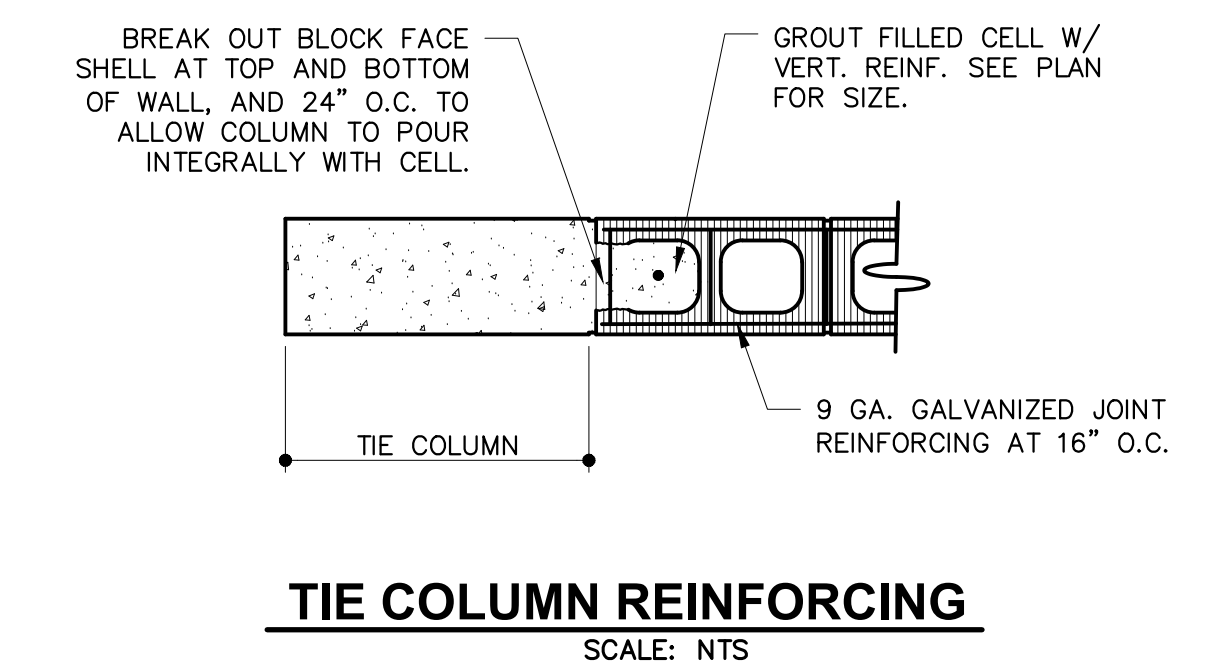
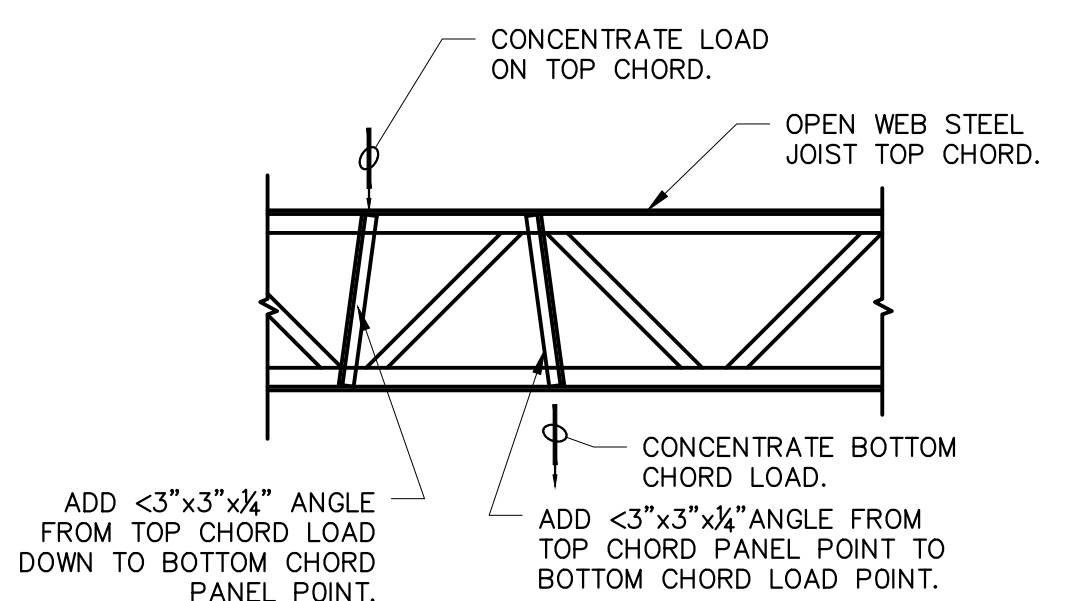
- NOTES:**
- START STIRRUP SPACING AT FACE OF SUPPORT.
  - ADD #4 LONGITUDINAL WHERE CORNER OF STIRRUP IS VACANT.

**TYP. HOOKED REINFORCEMENT TENSION DEVELOPMENT LENGTH SCHEDULE**  
SCALE: NTS

- NOTES:**
- SEE TYPICAL TIE AND STIRRUP HOOKS DETAIL FOR ADDITIONAL INFORMATION.
  - TABULATED DEVELOPMENT LENGTH ARE BASED ON REINFORCING STEEL YIELD STRENGTH  $F_y = 60$  KSI AND NORMAL WEIGHT CONCRETE.
  - ALL TABULATED VALUES ARE MINIMUM LENGTHS. IN CASE OF CONFLICT WITH THE PLANS, SECTIONS, OR DETAILS, USE THE LONGER LENGTH.
  - $d_b$  = BAR DIAMETER
  - $l_d$  = DEVELOPMENT LENGTH
  - ADJUST TABULATED LENGTHS BY THE FOLLOWING FACTORS WHERE APPLICABLE. NOTE THAT THE FACTORS ARE CUMULATIVE.
 

A. REINFORCING BAR STRENGTH OTHER THAN 60 KSI: ( $F_y/60$ KSI)	1.30
B. LIGHT WEIGHT CONCRETE:	1.30
C. EPOXY COATED BARS:	1.20

**TYP. HOOKED REINFORCEMENT TENSION DEVELOPMENT LENGTH SCHEDULE**  
SCALE: NTS



**TYPICAL COLUMN REINFORCEMENT DETAIL**  
SCALE: NTS

**Wilson Structural**  
8131 PROFESSIONAL PKWY. WEST SUITE 100 SARASOTA, FL 34230  
4230 SOUTH MAGILL AVE SUITE H TAMPA, FL 33611  
941.907.4789 FAX: 941.907.0258  
813.526.3492  
TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THIS DRAWING CONFORMS TO THE APPLICABLE MINIMUM BUILDING CODES.  
FILE: 24DW-0502  
**FIRM REGISTRY #36167**

No.	Description	Date

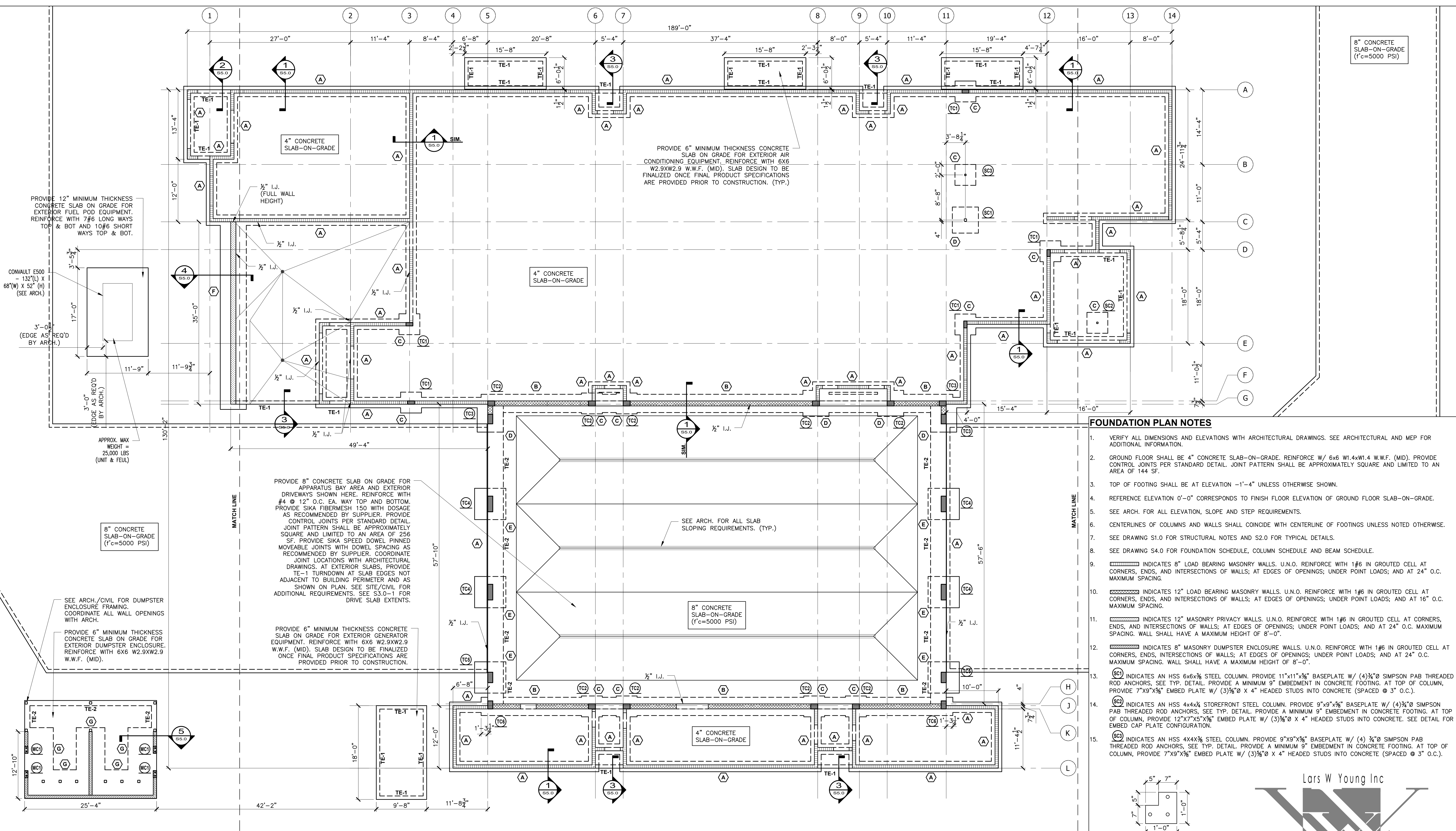
Project #  
Date: 30 September, 2025  
Drawn: HP  
Checked: JK  
Scale: 1/8" = 1"

**North Collier Fire Control & Rescue District Station 49**  
COCOHATCHEE ROAD NAPLES FLORIDA 34110  
FOR: NORTH COLLIER FIRE RESCUE DISTRICT

Architecture  
6961 Sable Ridge Ln  
Naples, FL 34109  
phone: 239.591.8899

Florida Registration # AR0016755  
lwarch@gmail.com

S2.0



8" CONCRETE SLAB-ON-GRADE (f'c=5000 PSI)

PROVIDE 6" MINIMUM THICKNESS CONCRETE SLAB ON GRADE FOR EXTERIOR AIR CONDITIONING EQUIPMENT. REINFORCE WITH 6X6 W2.9XW2.9 W.W.F. (MID). SLAB DESIGN TO BE FINALIZED ONCE FINAL PRODUCT SPECIFICATIONS ARE PROVIDED PRIOR TO CONSTRUCTION. (TYP.)

PROVIDE 8" CONCRETE SLAB ON GRADE FOR APPARATUS BAY AREA AND EXTERIOR DRIVEWAYS SHOWN HERE. REINFORCE WITH #4 @ 12" O.C. EA. WAY TOP AND BOTTOM. PROVIDE SIKAFIBERMESH 150 WITH DOSAGE AS RECOMMENDED BY SUPPLIER. PROVIDE CONTROL JOINTS PER STANDARD DETAIL. JOINT PATTERN SHALL BE APPROXIMATELY SQUARE AND LIMITED TO AN AREA OF 256 SF. PROVIDE SIKASPEED DOWEL PINNED MOVEABLE JOINTS WITH DOWEL SPACING AS RECOMMENDED BY SUPPLIER. COORDINATE JOINT LOCATIONS WITH ARCHITECTURAL DRAWINGS. AT EXTERIOR SLABS, PROVIDE TE-1 TURNDOWN AT SLAB EDGES NOT ADJACENT TO BUILDING PERIMETER AND AS SHOWN ON PLAN. SEE SITE/CIVIL FOR ADDITIONAL REQUIREMENTS. SEE S3.0-1 FOR DRIVE SLAB EXTENTS.

PROVIDE 6" MINIMUM THICKNESS CONCRETE SLAB ON GRADE FOR EXTERIOR GENERATOR EQUIPMENT. REINFORCE WITH 6X6 W2.9XW2.9 W.W.F. (MID). SLAB DESIGN TO BE FINALIZED ONCE FINAL PRODUCT SPECIFICATIONS ARE PROVIDED PRIOR TO CONSTRUCTION.

PROVIDE 12" MINIMUM THICKNESS CONCRETE SLAB ON GRADE FOR EXTERIOR FUEL POD EQUIPMENT. REINFORCE WITH 7#6 LONGWAYS TOP & BOT AND 10#6 SHORTWAYS TOP & BOT.

CONVAULT E500 - 132"(L) X 68"(W) X 52"(H) (SEE ARCH.)

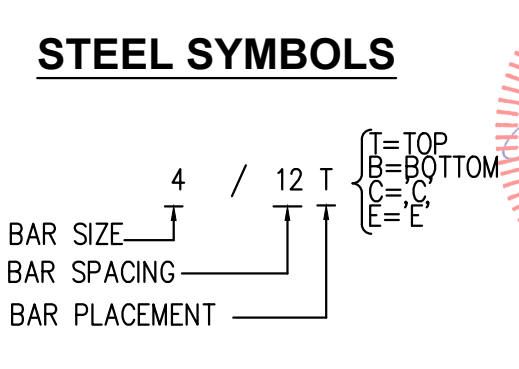
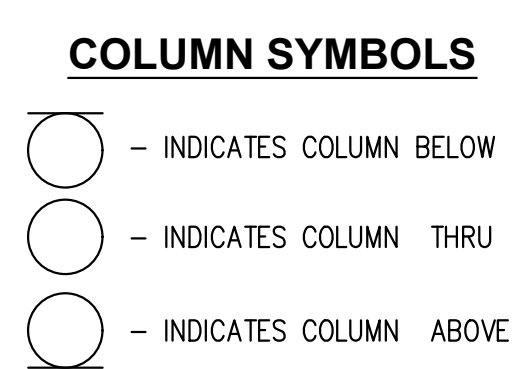
8" CONCRETE SLAB-ON-GRADE (f'c=5000 PSI)

SEE ARCH./CIVIL FOR DUMPSTER ENCLOSURE FRAMING. COORDINATE ALL WALL OPENINGS WITH ARCH.

PROVIDE 6" MINIMUM THICKNESS CONCRETE SLAB ON GRADE FOR EXTERIOR DUMPSTER ENCLOSURE. REINFORCE WITH 6X6 W2.9XW2.9 W.W.F. (MID).

**FOUNDATION & FIRST FLOOR PLAN**

SCALE: 1/8" = 1'-0"



**Wilson Structural**

3131 PROFESSIONAL PKWY. WEST SUITE 100 SARASOTA, FL 34230  
 8810 107 4769 FRANCHISE 107 0216  
 813 526 3495  
 TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THIS PLAN COMPLIES WITH THE APPLICABLE MINIMUM BUILDING CODES.

FILE: 24DW-0502

**FIRM REGISTRY #36167**

ANTHONY R. WILSON  
 LICENSE No. 79951  
 STATE OF FLORIDA  
 10/1/2025  
 ENGINEER OF RECORD  
 ANTHONY R. WILSON  
 F.L.P.E. # 79451

No.	Description	Date

Project #  
 Date: 30 September, 2025  
 Drawn: HP  
 Checked: JK  
 Scale: 1/8" = 1"

**North Collier Fire Control & Rescue District Station 49**

COCOHATCHEE ROAD NAPLES FLORIDA 34110  
 FOR: NORTH COLLIER FIRE RESCUE DISTRICT

FOUNDATION PLAN

**Lars W Young Inc**

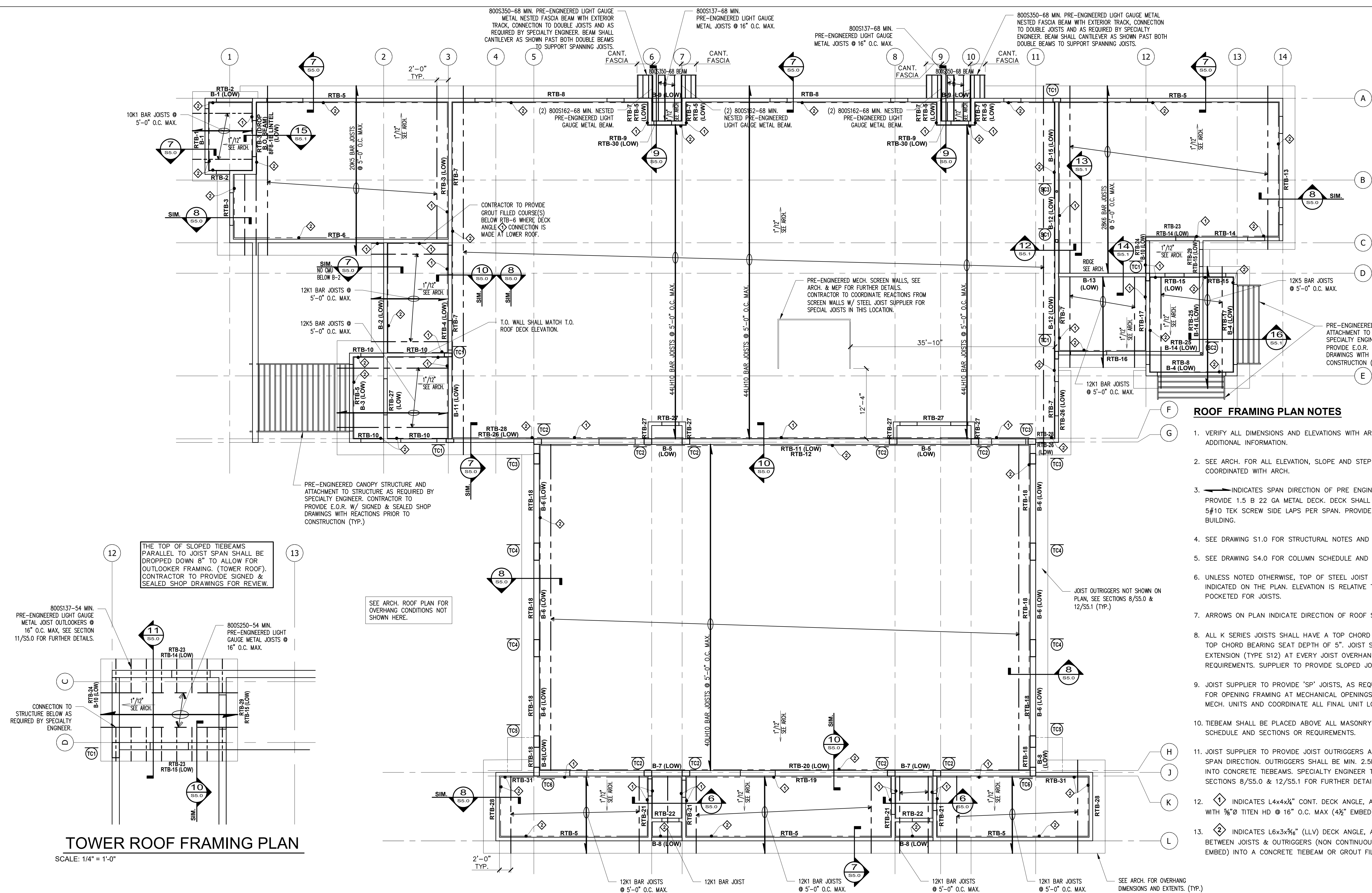
Architecture  
 6961 Sable Ridge Ln  
 Naples, FL 34109  
 phone: 239.591.8899

Florida Registration # AR0016755  
 lwyarch@gmail.com

S3.0



SPECIALTY LIGHT GAUGE ENGINEER TO PROVIDE FINAL DESIGN & DETAILING FOR LIGHT GAUGE FRAMING. CONTRACTOR TO PROVIDE E.O.R. SIGNED & SEALED SPECIALTY ENGINEERING DRAWINGS PRIOR TO CONSTRUCTION.

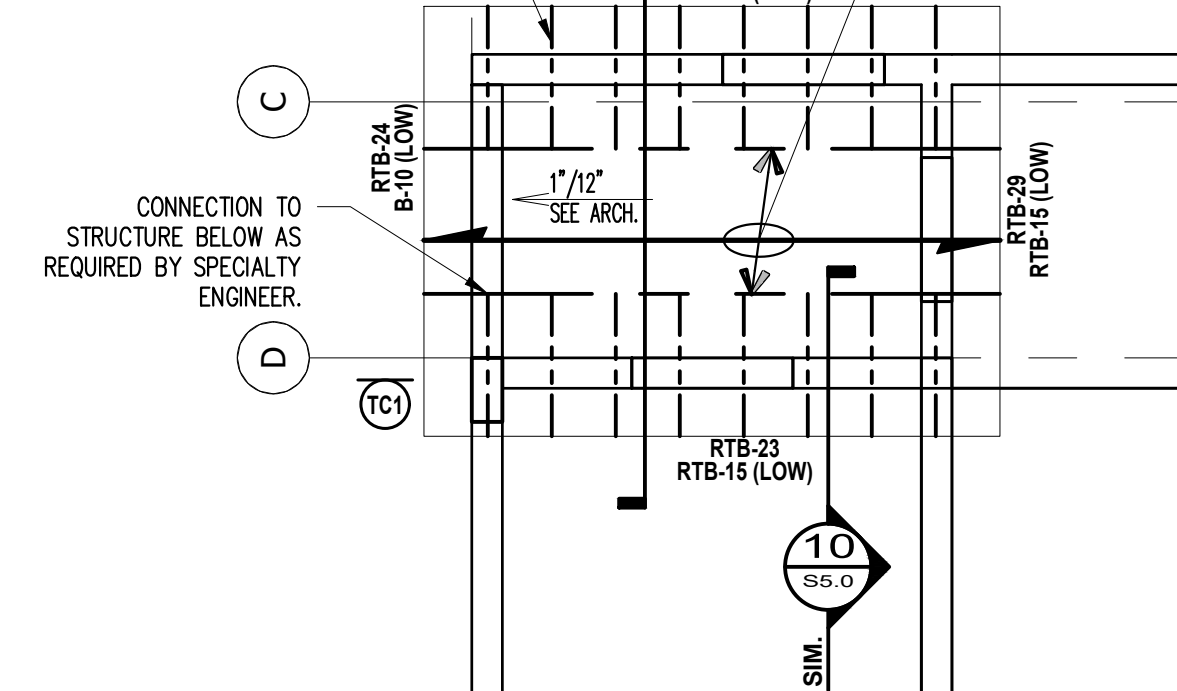


**ROOF FRAMING PLAN NOTES**

1. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL AND MEP FOR ADDITIONAL INFORMATION.
2. SEE ARCH. FOR ALL ELEVATION, SLOPE AND STEP REQUIREMENTS. OVERHANG LENGTHS AND EXTENTS SHALL BE COORDINATED WITH ARCH.
3. INDICATES SPAN DIRECTION OF PRE ENGINEERED STEEL BAR JOISTS, SIZE AND SPACING AS INDICATED. PROVIDE 1.5 B 22 GA METAL DECK. DECK SHALL BE CONNECTED WITH 3/8" PUDDLE WELDS (36/4). PROVIDE 5#10 TEK SCREW SIDE LAPS PER SPAN. PROVIDE 3/8" PUDDLE WELDS @ 6" O.C. AROUND PERIMETER OF BUILDING.
4. SEE DRAWING S1.0 FOR STRUCTURAL NOTES AND S2.0 FOR TYPICAL DETAILS.
5. SEE DRAWING S4.0 FOR COLUMN SCHEDULE AND BEAM SCHEDULE.
6. UNLESS NOTED OTHERWISE, TOP OF STEEL JOIST ELEVATION SHALL MATCH THE TOP OF TIE-BEAM ELEVATION AS INDICATED ON THE PLAN. ELEVATION IS RELATIVE TO GROUND FLOOR REFERENCE ELEVATION. TIEBEAMS SHALL BE POKETED FOR JOISTS.
7. ARROWS ON PLAN INDICATE DIRECTION OF ROOF SLOPE AND REQUIREMENT, COORDINATE WITH ARCH.
8. ALL K SERIES JOISTS SHALL HAVE A TOP CHORD BEARING SEAT DEPTH OF 2 1/2"; ALL LH SERIES SHALL HAVE A TOP CHORD BEARING SEAT DEPTH OF 5". JOIST SUPPLIER TO PROVIDE A STANDARD 'S' TYPE TOP CHORD EXTENSION (TYPE S12) AT EVERY JOIST OVERHANG LOCATION. SEE STRUCTURAL NOTES FOR FURTHER REQUIREMENTS. SUPPLIER TO PROVIDE SLOPED JOIST SEATS AS REQUIRED FOR LEVEL BEARING.
9. JOIST SUPPLIER TO PROVIDE 'SP' JOISTS, AS REQUIRED, TO SUPPORT EQUIPMENT LOADS INDICATED. SEE TYPICAL FOR OPENING FRAMING AT MECHANICAL OPENINGS. CONTRACTOR OR MEP TO PROVIDE ANY ADDITIONAL LOADS FOR MECH. UNITS AND COORDINATE ALL FINAL UNIT LOCATIONS.
10. TIEBEAM SHALL BE PLACED ABOVE ALL MASONRY WALLS. HOOK WALL VERTICALS INTO TIE-BEAM. SEE PLAN, SCHEDULE AND SECTIONS OR REQUIREMENTS.
11. JOIST SUPPLIER TO PROVIDE JOIST OUTRIGGERS AT ALL CANTILEVER DECK SPANS, PERPENDICULAR TO MAIN JOIST SPAN DIRECTION. OUTRIGGERS SHALL BE MIN. 2.5K3 K SERIES TYPE WITH 5'-0" O.C. MAX SPACING AND POKETED INTO CONCRETE TIEBEAMS. SPECIALTY ENGINEER TO DESIGN AND DETAIL CONNECTION TO MAIN ROOF JOISTS. SEE SECTIONS 8/SS.0 & 12/SS.1 FOR FURTHER DETAILS.
12. INDICATES L4x4x1/4" CONT. DECK ANGLE, ANGLE FOLLOWS DECK SLOPE AS REQUIRED. ATTACH TO WALL WITH 3/8" TITEN HD @ 16" O.C. MAX (4 1/2" EMBED) INTO A CONCRETE TIEBEAM OR GROUT FILLED CELL.
13. INDICATES L6x3x3/8" (LLV) DECK ANGLE, ANGLE FOLLOWS DECK SLOPE AS REQUIRED. ANGLE SHALL SPAN BETWEEN JOISTS & OUTRIGGERS (NON CONTINUOUS). ATTACH TO WALL WITH 3/8" TITEN HD @ 16" O.C. MAX (4 1/2" EMBED) INTO A CONCRETE TIEBEAM OR GROUT FILLED CELL.

THE TOP OF SLOPED TIEBEAMS PARALLEL TO JOIST SPAN SHALL BE DROPPED DOWN 8" TO ALLOW FOR OUTLOOKER FRAMING. (TOWER ROOF). CONTRACTOR TO PROVIDE SIGNED & SEALED SHOP DRAWINGS FOR REVIEW.

800S137-54 MIN. PRE-ENGINEERED LIGHT GAUGE METAL JOIST OUTLOOKERS @ 16" O.C. MAX, SEE SECTION 11/SS.0 FOR FURTHER DETAILS.



**TOWER ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

SEE ARCH. ROOF PLAN FOR OVERHANG CONDITIONS NOT SHOWN HERE.

PRE-ENGINEERED CANOPY STRUCTURE AND ATTACHMENT TO STRUCTURE AS REQUIRED BY SPECIALTY ENGINEER. CONTRACTOR TO PROVIDE E.O.R. W/ SIGNED & SEALED SHOP DRAWINGS WITH REACTIONS PRIOR TO CONSTRUCTION (TYP.)

CONTRACTOR TO PROVIDE GROUT FILLED COURSE(S) BELOW RTB-6 WHERE DECK ANGLE CONNECTION IS MADE AT LOWER ROOF.

T.O. WALL SHALL MATCH T.O. ROOF DECK ELEVATION.

PRE-ENGINEERED MECH. SCREEN WALLS, SEE ARCH. & MEP FOR FURTHER DETAILS. CONTRACTOR TO COORDINATE REACTIONS FROM SCREEN WALLS W/ STEEL JOIST SUPPLIER FOR SPECIAL JOISTS IN THIS LOCATION.

PRE-ENGINEERED CANOPY STRUCTURE AND ATTACHMENT TO STRUCTURE AS REQUIRED BY SPECIALTY ENGINEER. CONTRACTOR TO PROVIDE E.O.R. W/ SIGNED & SEALED SHOP DRAWINGS WITH REACTIONS PRIOR TO CONSTRUCTION (TYP.)

**ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"

**COLUMN SYMBOLS**

- INDICATES COLUMN BELOW
- INDICATES COLUMN THRU
- INDICATES COLUMN ABOVE

**STEEL SYMBOLS**

BAR SIZE: 4 / 12 T

BAR SPACING: T=TOP, B=BOTTOM, C=C, E=E

BAR PLACEMENT:

**ANTHONY R. WILSON**  
LICENSE No. 79951  
STATE OF FLORIDA  
10/1/2025  
ENGINEER OF RECORD  
**ANTHONY R. WILSON**  
FL P.E. # 79451

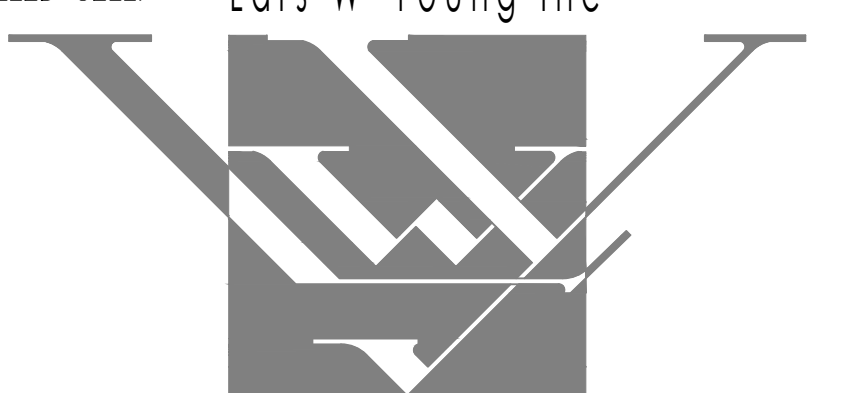
**Wilson Structural**  
8131 PROFESSIONAL PKWY. WEST SUITE 100 SARASOTA, FL 34230  
(941) 871-4769 FAX (941) 927-0218  
8131 SDB 3476 SUITE 100 TAMPA, FL 33611  
TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THIS PLAN COMPLIES WITH THE APPLICABLE MINIMUM BUILDING CODES.  
FILE: 24DW-0502  
**FIRM REGISTRY #36167**

No.	Description	Date

Project #  
Date: 30 September, 2025  
Drawn: HP  
Checked: JK  
Scale: 1/8" = 1"

**North Collier Fire Control & Rescue District Station 49**  
COCOHATCHEE ROAD NAPLES FLORIDA 34110  
FOR: NORTH COLLIER FIRE RESCUE DISTRICT  
ROOF FRAMING PLAN

Architecture  
6961 Sable Ridge Ln  
Naples, FL 34109  
phone: 239.591.8899  
lwyarch@gmail.com  
Florida Registration # AR0016755



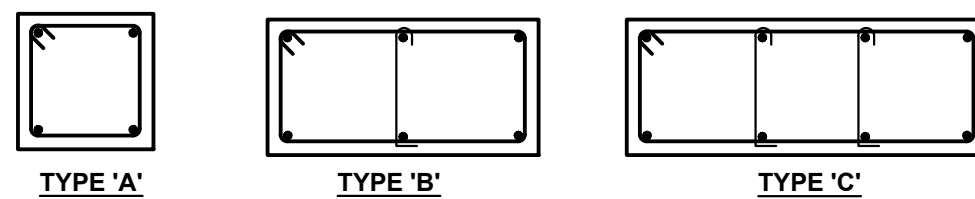
SS.1

FOOTING SCHEDULE				
MARK	SIZE W x L	DEPTH	REINFORCING	REMARK
(A)	2'-0"xCONT.	12"	2#5 CONT. BOT.	
(B)	3'-6"xCONT.	12"	3#5 CONT. BOT.	
(C)	4'-0"x4'-0	12"	4#5 BOT. EA. WAY	
(D)	5'-0"x5'-0"	12"	5#5 BOT. EA. WAY	
(E)	6'-0"x6'-0"	14"	5#6 BOT. EA WAY	
(F)	5'-0"xCONT.	12"	5#5 CONT. BOT. #5 TRANSVERSE TOP @ 24" O.C.	T.O. FTG= -1'-4"
(G)	5'-6"xCONT.	12"	5#5 CONT. BOT. & 2#5 CONT. TOP #5 TRANSVERSE TOP @ 16" O.C.	T.O. FTG=T.O. SLAB
TE-1	0'-8"xCONT.	12"	1#5 CONT. BOT.	THICKENED SLAB EDGE
TE-2	3'-0"xCONT.	16"	4#5 CONT. TOP & BOT. #3 STIRRUPS @ 18" O.C.	THICKENED SLAB EDGE

- NOTES:  
 1. PROVIDE CORNER BARS FOR ALL BARS IN FOOTINGS.  
 2. ALL BARS ARE BOTTOM BARS U.N.O.

CONCRETE COLUMN SCHEDULE				
MARK	SIZE (INCH)	VERTICAL REINFORCING	TIE SPACING	REMARKS
(C1)	8x16	4#6	#3 @ 8" O.C.	TYPE A
(C2)	12x16	6#6	#3 @ 12" O.C.	TYPE B
(C3)	12x22	4#8	#3 @ 12" O.C.	TYPE A
(C4)	12x36	8#7	#3 @ 12" O.C.	TYPE C
(C5)	12x24	4#8	#3 @ 12" O.C.	TYPE A
(C6)	12x18½	6#6	#3 @ 12" O.C.	TYPE B
(C7)	8x16	4#7	#3 @ 8" O.C.	TYPE A
(MC)	8x16	2#6	-	1#6 IN EA. OF TWO GROUT FILLED CELLS

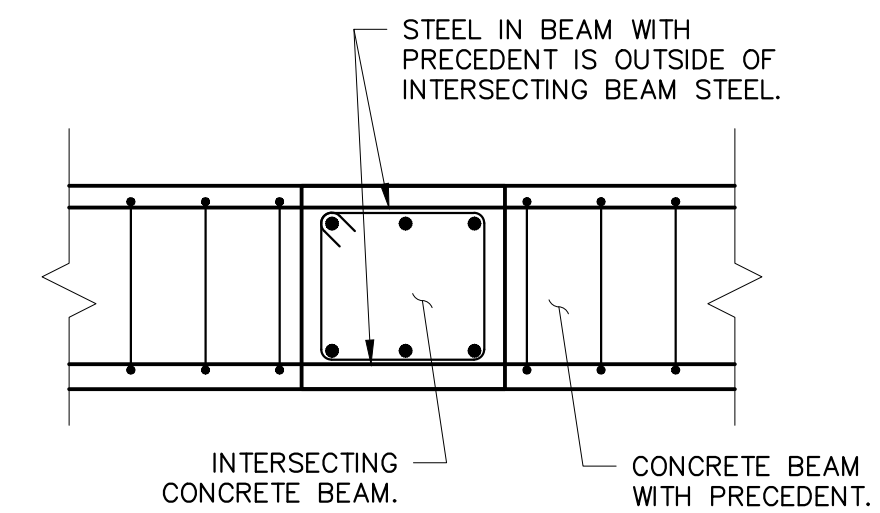
- NOTES:  
 1. \* INDICATES PROVIDE CLASS 'B' LAP SPLICES FOR ALL BARS.



BEAM SCHEDULE									
BEAM NUMBER	ELEV. TOP OF BEAM	SIZE WxH (INCH)	REINFORCING				CLOSED HOOP SIZE AND SPACING	REMARKS	
			BOT	TOP	'C'	'E'			
RTB-1	10'-0"	8X16	2#5	2#5	-	-	#3 @ 18" O.C.		
RTB-2	VARIES	8X20 (MIN.)	2#5	2#5	-	-	#3 @ 18" O.C.	SEE ARCH. FOR WALL SLOPE COORDINATION & ELEVATIONS	
RTB-3	VARIES	8X20 (MIN.)	2#5	2#5	-	-	#3 @ 18" O.C.	SEE ARCH. FOR WALL SLOPE COORDINATION & ELEVATIONS	
RTB-4	14'-0"	8X24	2#5	2#5	-	-	#3 @ 18" O.C.		
RTB-5	11'-0"	8X12	2#5	2#5	-	-	#3 @ 18" O.C.		
RTB-6	14'-0¾"	8X16¾	2#5	2#5	-	-	#3 @ 18" O.C.		
RTB-7	VARIES	8X12 (MIN.)	2#5	2#5	-	-	#3 @ 18" O.C.	SEE ARCH. FOR WALL SLOPE COORDINATION & ELEVATIONS	
RTB-8	14'-0"	8X16	2#5	2#5	-	-	#3 @ 18" O.C.	f'c = 5,000 psi	
RTB-9	14'-4"	8X16	2#5	2#5	-	-	#3 @ 18" O.C.		
RTB-10	VARIES	8X20 (MIN.)	2#5	2#5	-	-	#3 @ 18" O.C.	SEE ARCH. FOR WALL SLOPE COORDINATION & ELEVATIONS	
RTB-11	19'-0"	12X20	2#5	2#5	-	-	#3 @ 18" O.C.		
RTB-12	23'-10"	12X22	2#5	2#5	-	-	#3 @ 18" O.C.	f'c = 5,000 psi	
RTB-13	VARIES	8X20 (MIN.)	2#5	2#5	-	-	#3 @ 18" O.C.	SEE ARCH. FOR WALL SLOPE COORDINATION & ELEVATIONS	
RTB-14	13'-1¾"	8X18¾	2#5	2#5	-	-	#3 @ 18" O.C.		
RTB-15	15'-5¾"	8X14¾	2#5	2#5	-	-	#3 @ 18" O.C.	ADD 1#5 CONT. EA. FACE AT MID DEPTH	
RTB-16	12'-4"	8X12	2#5	2#5	-	-	#3 @ 18" O.C.		
RTB-17	VARIES	8X20 (MIN.)	2#5	2#5	-	-	#3 @ 18" O.C.	SEE ARCH. FOR WALL SLOPE COORDINATION & ELEVATIONS	
RTB-18	VARIES	12X20 (MIN.)	2#5	2#5	-	-	#3 @ 18" O.C.	SEE ARCH. FOR WALL SLOPE COORDINATION & ELEVATIONS	
RTB-19	19'-0"	12X20	2#5	2#5	-	-	#3 @ 18" O.C.	f'c = 5,000 psi	
RTB-20	13'-0"	12X20	2#5	2#5	-	-	#3 @ 18" O.C.		
RTB-21	VARIES	8X20 (MIN.)	2#5	2#5	-	-	#3 @ 18" O.C.	T.O. BEAM TO MATCH T.O. ROOF DECK ELEVATION	
RTB-22	12'-2"	8X18	2#5	2#5	-	-	#3 @ 18" O.C.	HOLD T.O. BEAM 1½" BELOW JOIST BOT. CHORD	
RTB-23	VARIES	8X20 (MIN.)	2#5	2#5	-	-	#3 @ 18" O.C.	SEE ARCH. FOR WALL SLOPE COORDINATION & ELEVATIONS	
RTB-24	21'-0¾"	8X12¾	2#5	2#5	-	-	#3 @ 18" O.C.		
RTB-25	14'-2"	8X18	2#5	2#5	-	-	#3 @ 18" O.C.	HOLD T.O. BEAM 1½" BELOW JOIST BOT. CHORD	
RTB-26	13'-4"	8X24	2#6	2#6	-	-	#3 @ 18" O.C.	ADD 2#6 CONT. EA. FACE EVENLY SPACED	
RTB-27	VARIES	8X14	2#5	2#5	-	-	#3 @ 18" O.C.	HOLD T.O. BEAM 1½" BELOW JOIST BOT. CHORD	
RTB-28	19'-0"	8X12	2#5	2#5	-	-	#3 @ 18" O.C.	f'c = 5,000 psi	
RTB-29	23'-10"	8X14	2#5	2#5	-	-	#3 @ 18" O.C.		
RTB-30	11'-8"	8X20	2#5	2#5	-	-	#3 @ 18" O.C.		
RTB-31	13'-0"	8X20	2#5	2#5	-	-	#3 @ 18" O.C.		
B-1	10'-0"	8X20	2#5	2#5	-	-	#3 @ 8" O.C.		
B-2	11'-6"	8X24	2#6	2#6	-	-	#3 @ 10" O.C.		
B-3	10'-0"	8X24	2#5	2#5	-	-	#3 @ 10" O.C.	ADD 1#5 CONT. EA. FACE AT MID DEPTH	
B-4	11'-4"	8X16	2#7	2#7	-	-	#3 @ 6" O.C.		
B-5	10'-8"	12X20	3#8	2#6	-	-	#3 @ 6" O.C.		
B-6	16'-0"	12X24	2#6	2#8	-	-	#3 @ 10" O.C.	3-SPAN CONT. BEAM	
B-7	10'-8"	12X20	2#6	2#6	-	-	#3 @ 6" O.C.		
B-8	9'-4"	8X16	2#5	2#5	-	-	#3 @ 6" O.C.		
B-9	10'-2"	8X16	2#5	2#5	-	-	#3 @ 6" O.C.	ARCH. TO VERIFY ELEVATION	
B-10	12'-0"	8X12	2#5	2#5	-	-	#3 @ 4" O.C.		
B-11	14'-0"	8X24	2#6	2#6	-	-	#3 @ 10" O.C.		
B-12	14'-0"	8X24	2#7	2#7	-	-	#3 @ 10" O.C.	TENSION LAP TOP BARS W/ B-15, EXTEND BOT. BARS INTO B-15	
B-13	13'-7"	8X19	2#9	2#9	-	-	#3 @ 6" O.C.	ARCH. TO VERIFY ELEVATION	
B-14	11'-4"	8X16	2#6	2#6	-	-	#3 @ 6" O.C.	ADD 1#6 CONT. EA. FACE AT MID DEPTH	
B-15	14'-0"	8X40	2#7	2#7	-	-	#3 @ 16" O.C.	TENSION LAP TOP BARS W/ B-12, EXTEND BOT. BARS FROM B-12	

BEAM SCHEDULE NOTES:

- FOR BEAMS OVER 36" DEEP, PROVIDE #4 BARS AT 6" O.C. ON EACH FACE OF BEAM, U.N.O. PROVIDE CLASS "B" LAP SPLICES AS REQUIRED.
- TOP STEEL CONTINUOUS UNLESS OTHERWISE NOTED.
- IF BEAM OCCURS ACROSS A STEP LOCATION, DROP TOP STEEL FOR SMALLER BEAM HEIGHT.
- TOP OF BEAM ELEVATION IS IN REFERENCE TO DEEPEST PORTION OF BEAM.
- TOP STEEL IN CONTINUOUS BEAMS SHALL TAKE PRECEDENT OVER INTERSECTING SINGLE-SPAN BEAMS AT INTERSECTIONS.
- WHERE SPANNING BEAMS AND TIEBEAMS WILL SUPPORT THE BEARING END OF BAR JOIST FRAMING OR JUST SUBSTITUTE OUTRIGGERS, BEAM SHALL BE POCKETED FOR JOIST BEARING AND BEAM TOP STEEL SHALL BE HELD BELOW POCKET. STEEL DETAILER TO ADJUST STIRRUP DIMENSIONS ACCORDINGLY.

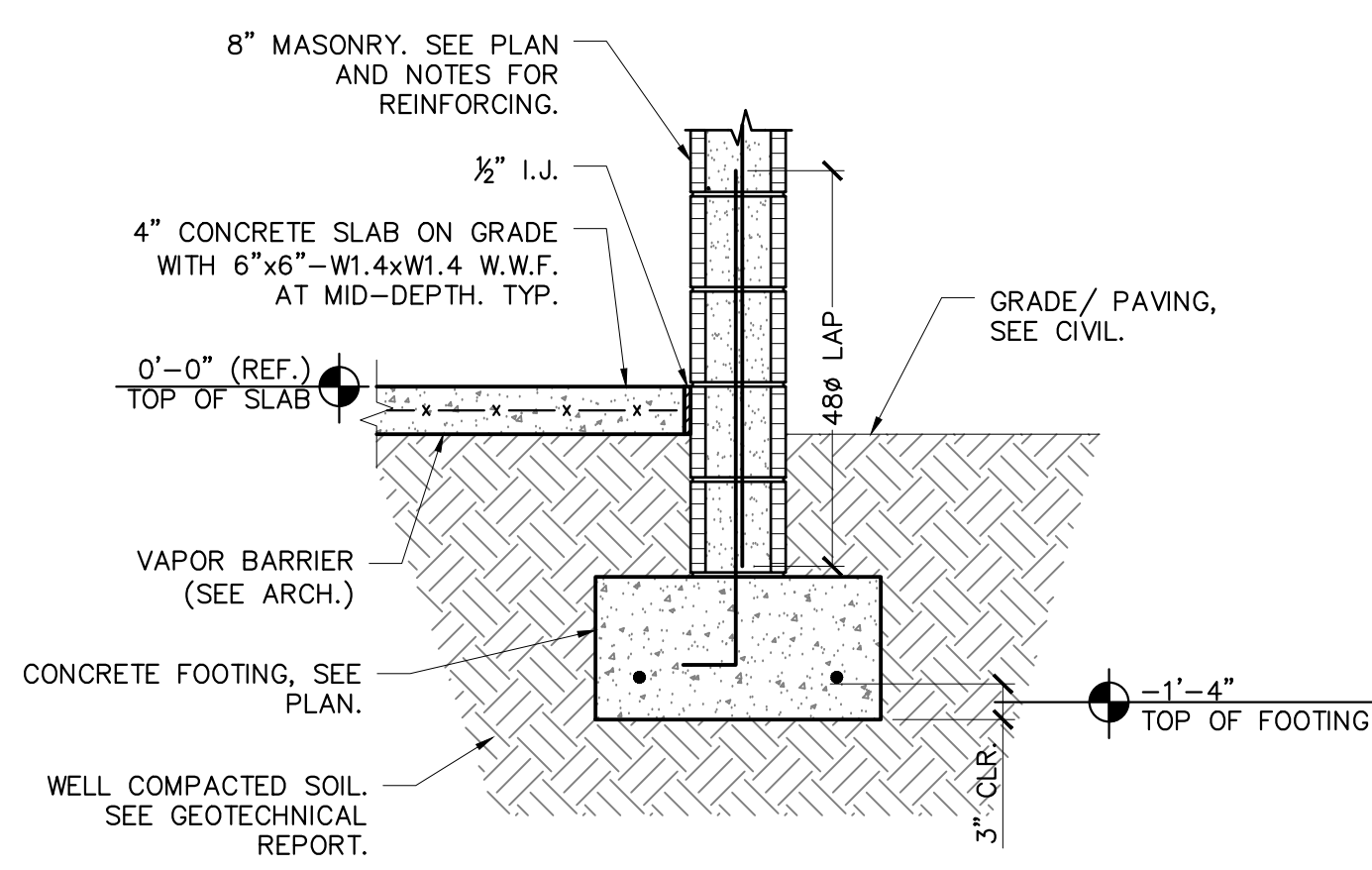


BEAM STEEL PRECEDENT DETAIL  
N.T.S.

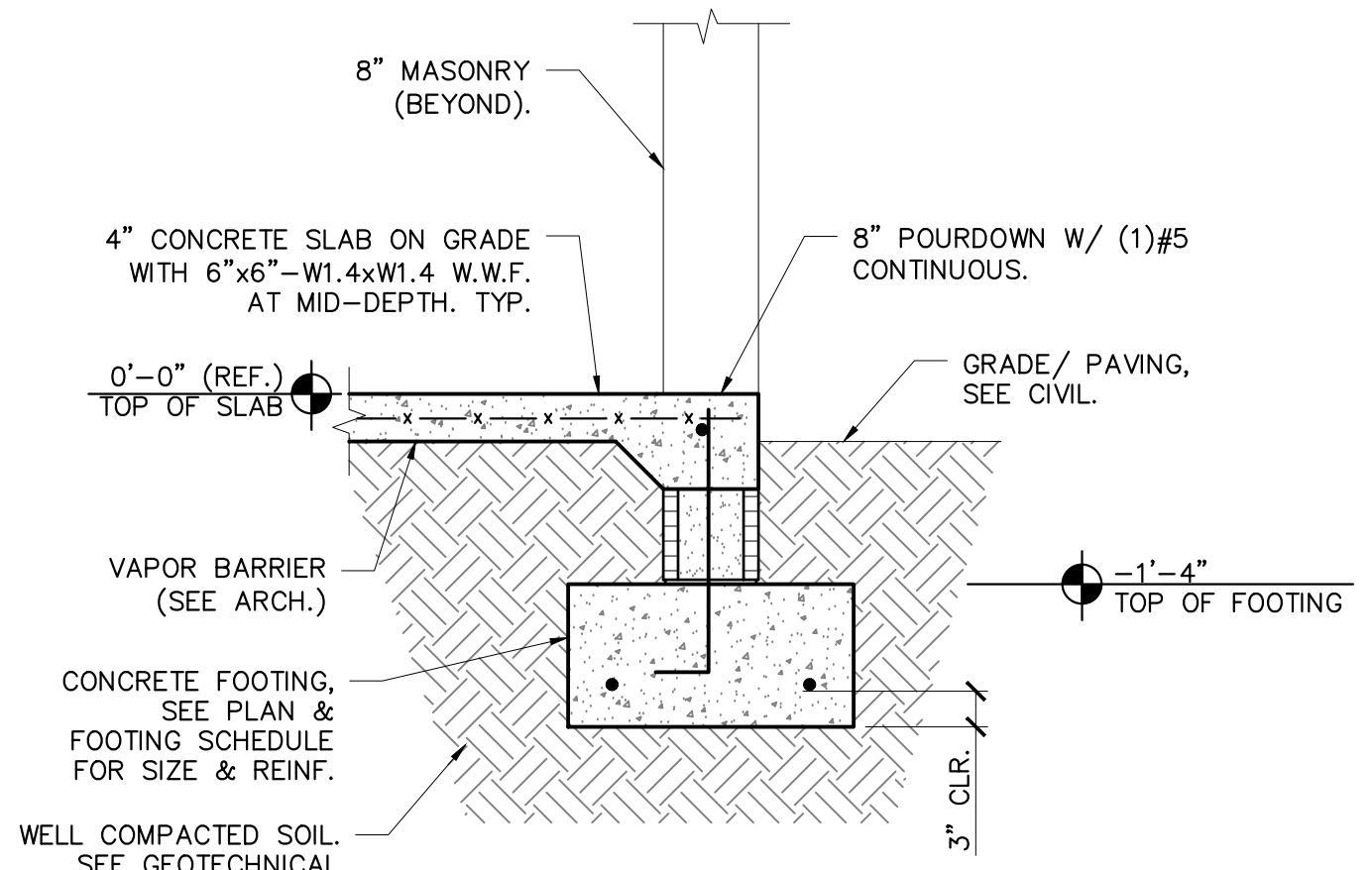


No.	Description	Date

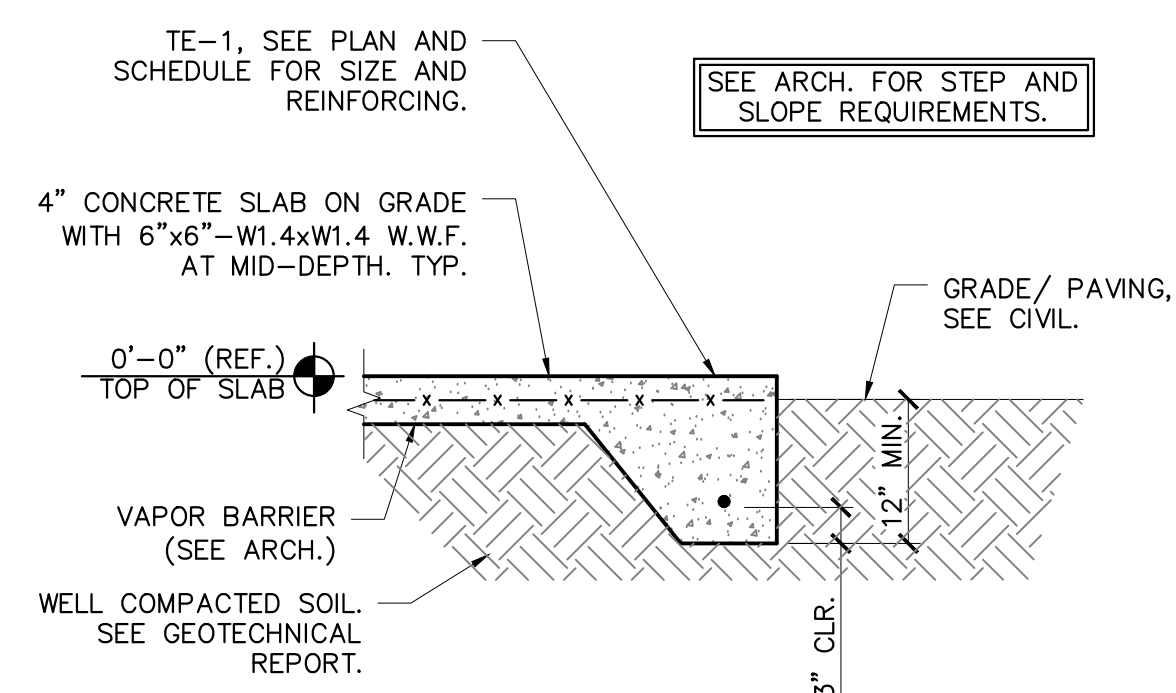
Project #	North Collier Fire Control & Rescue District Station 49			Architecture 6961 Sable Ridge Ln Naples, FL 34109 phone: 239.591.8899
Date:	30 September, 2025			
Drawn:	HP		COCOHATCHEE ROAD NAPLES FLORIDA 34110 FOR: NORTH COLLIER FIRE RESCUE DISTRICT	Florida Registration # AR0016755   lwyarch@gmail.com
Checked:	JK			
Scale	1/8" = 1"		SCHEDULES	S4.0



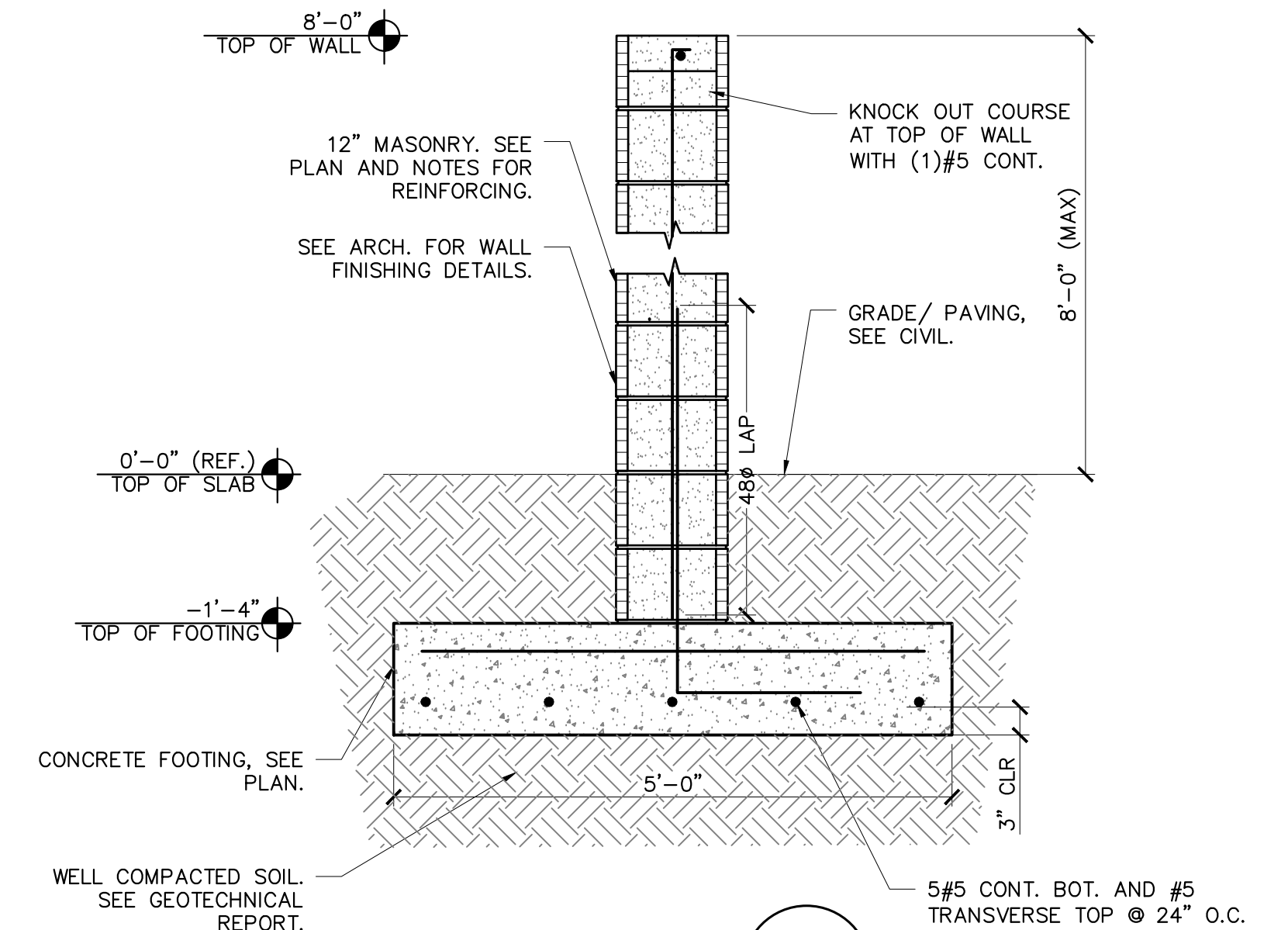
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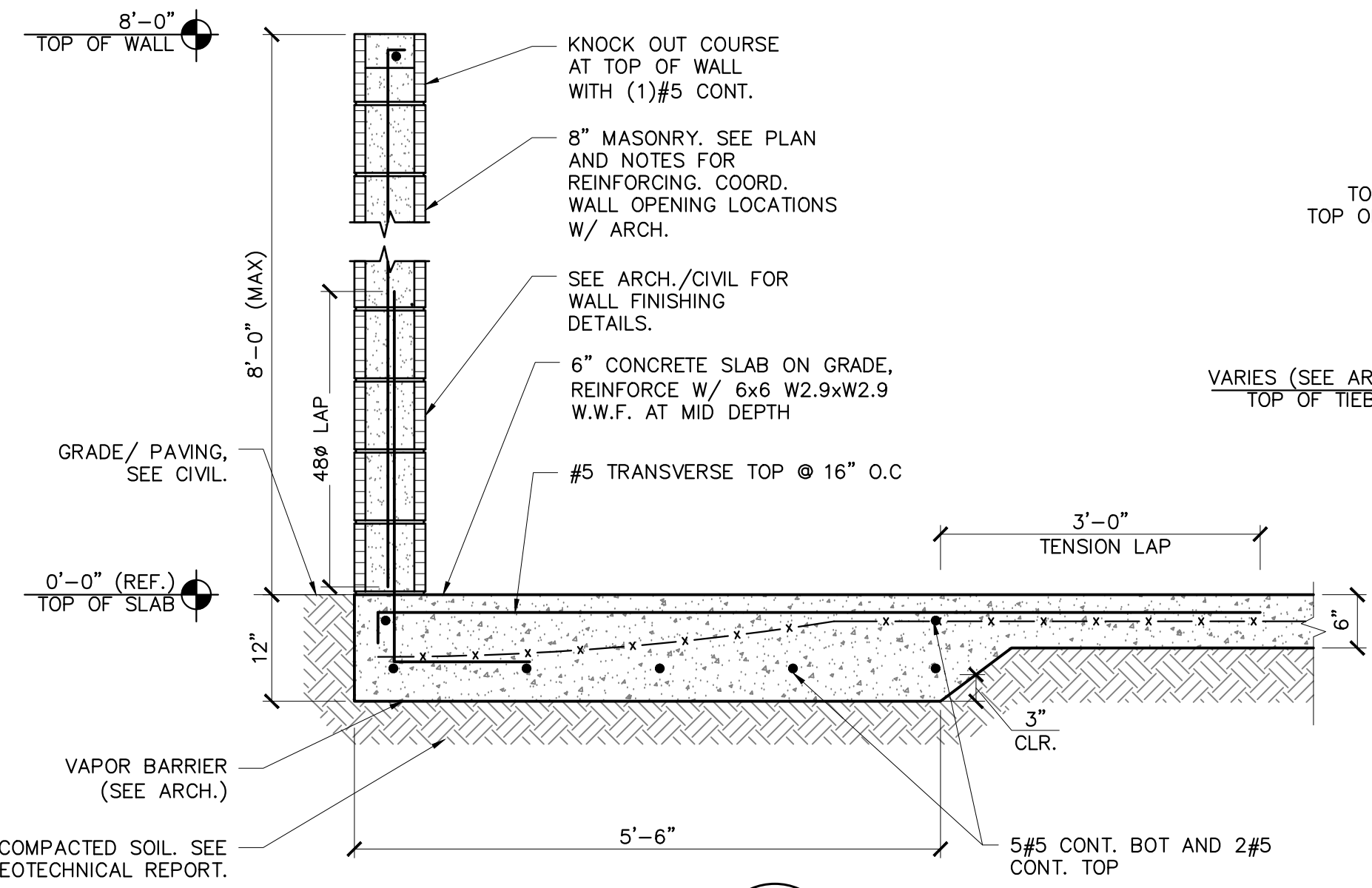
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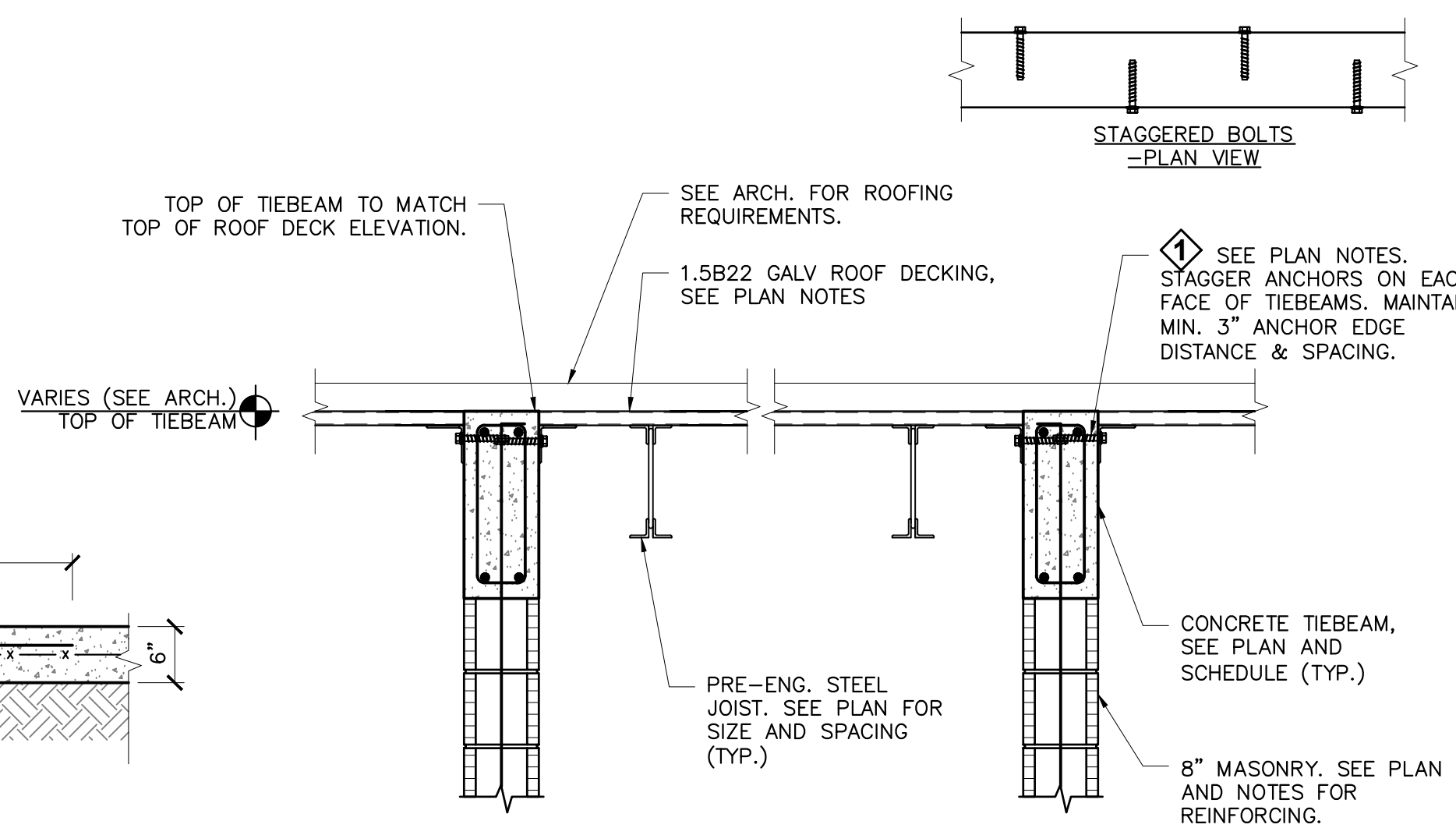
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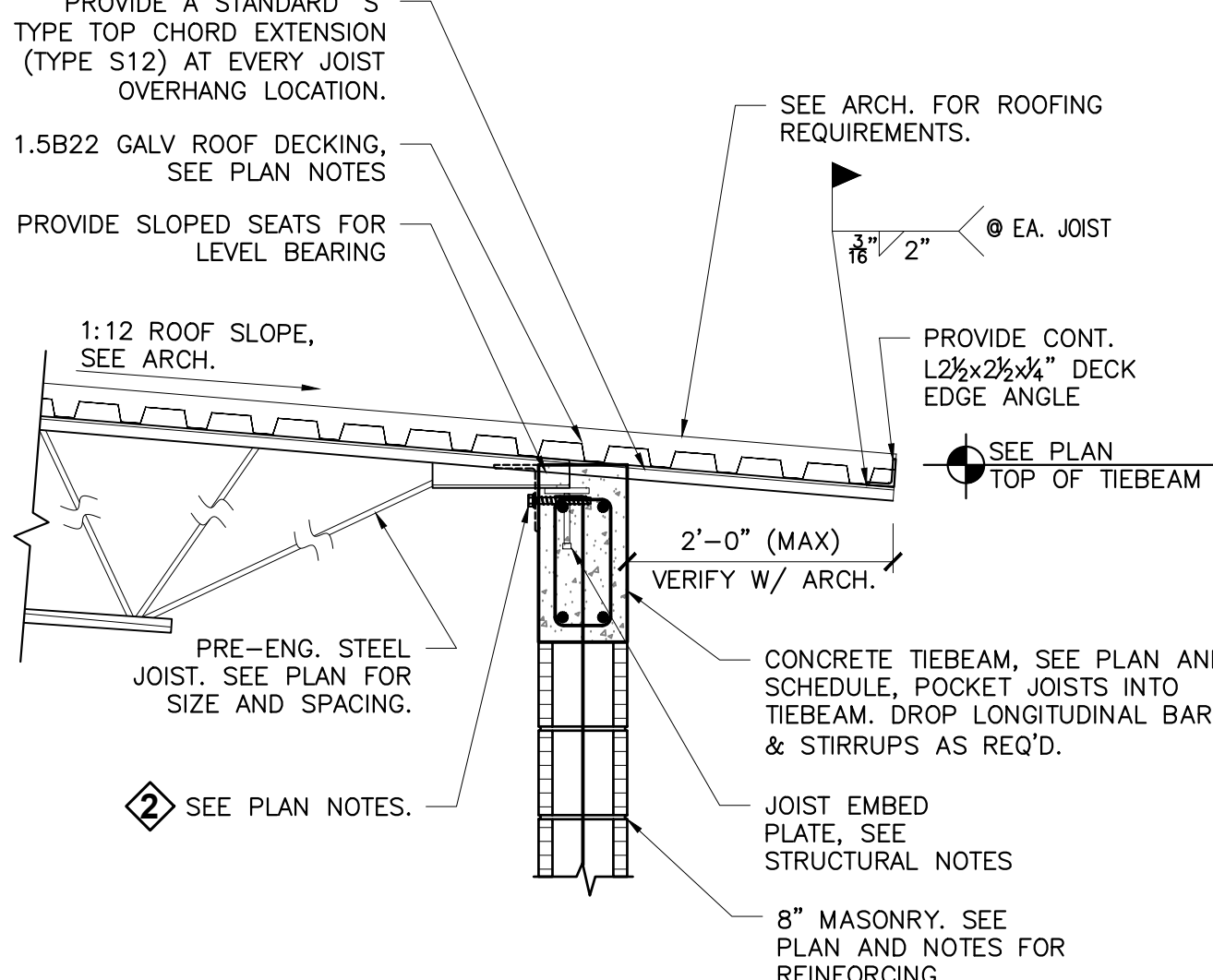
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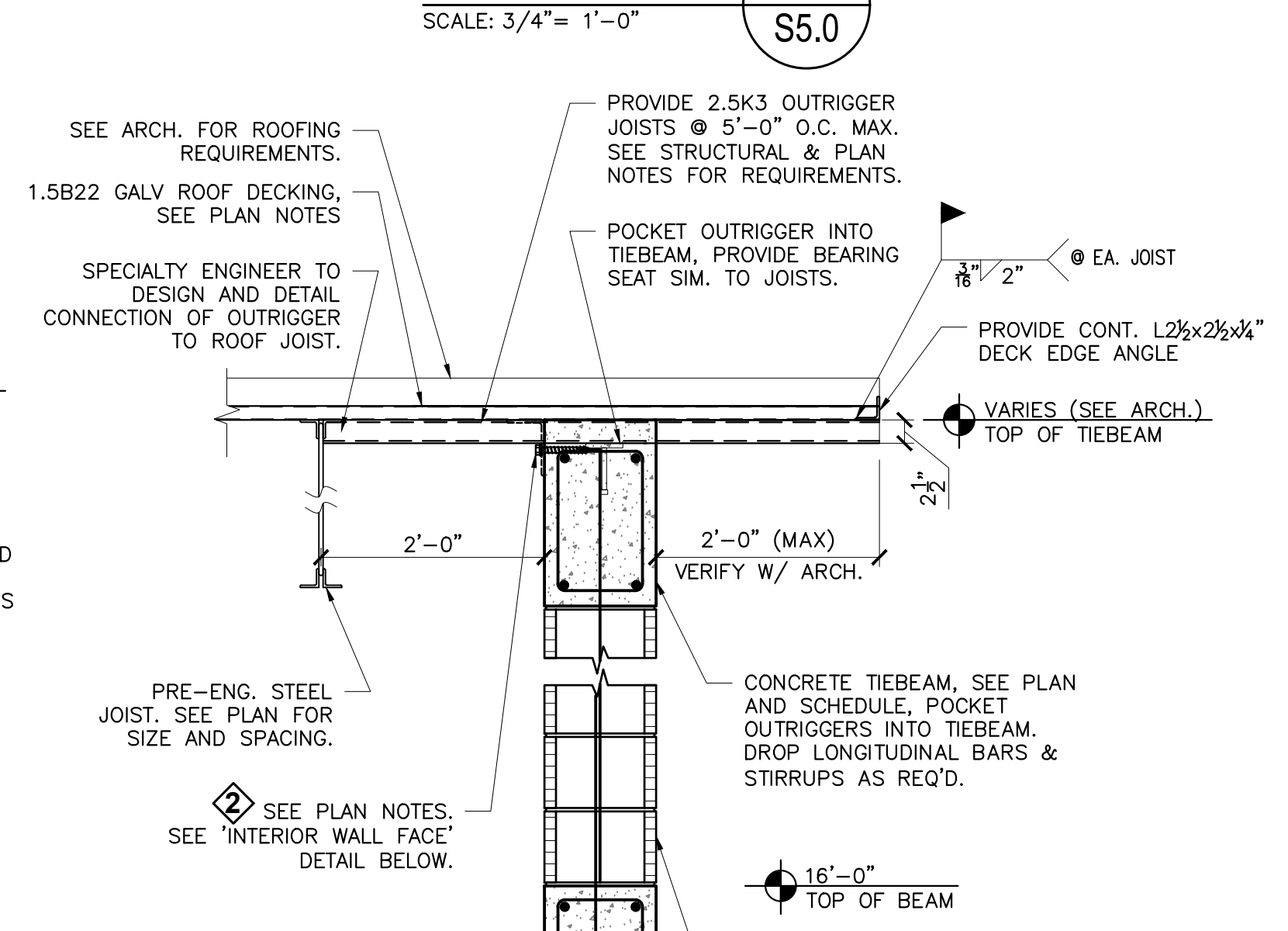
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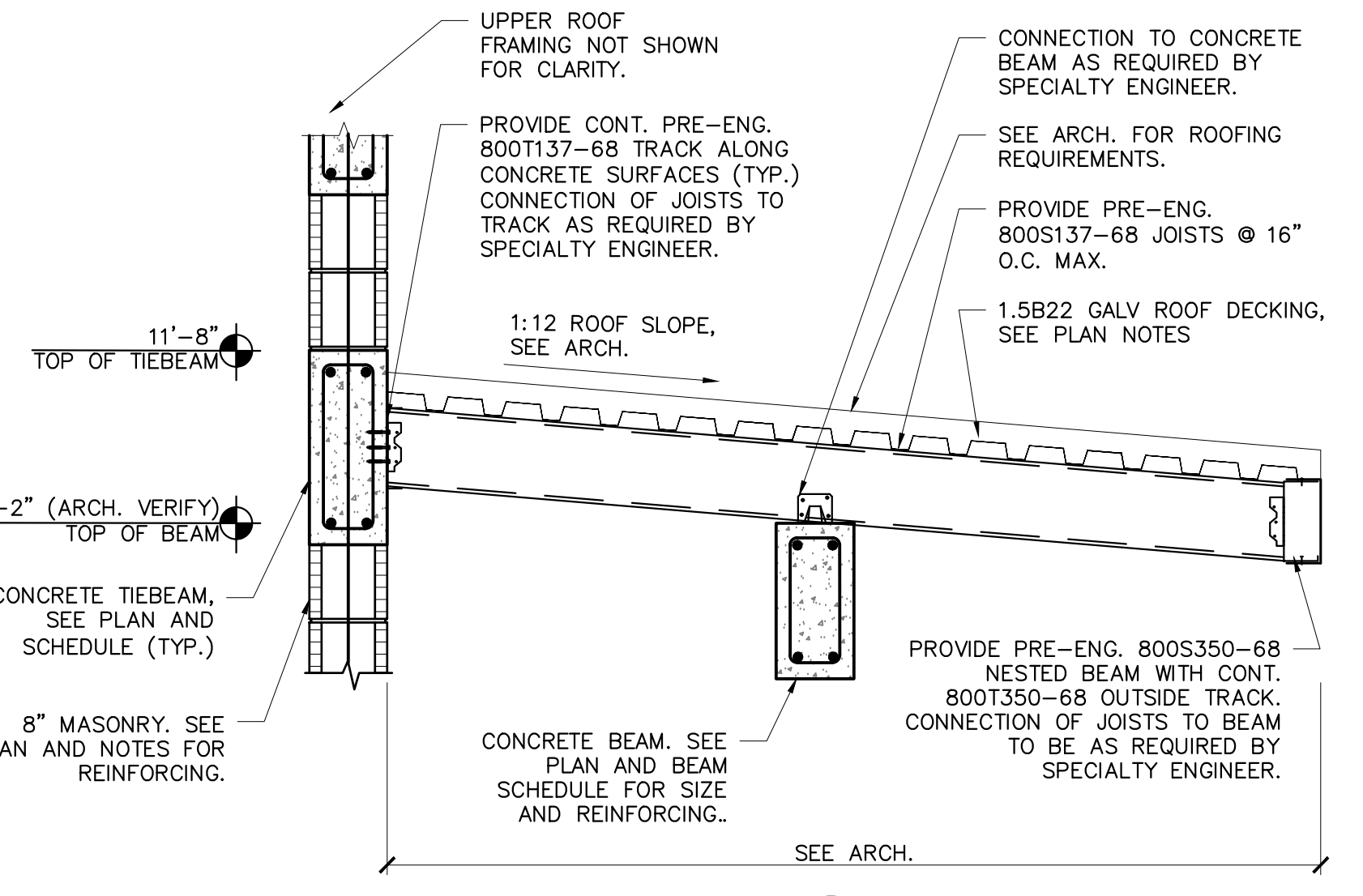
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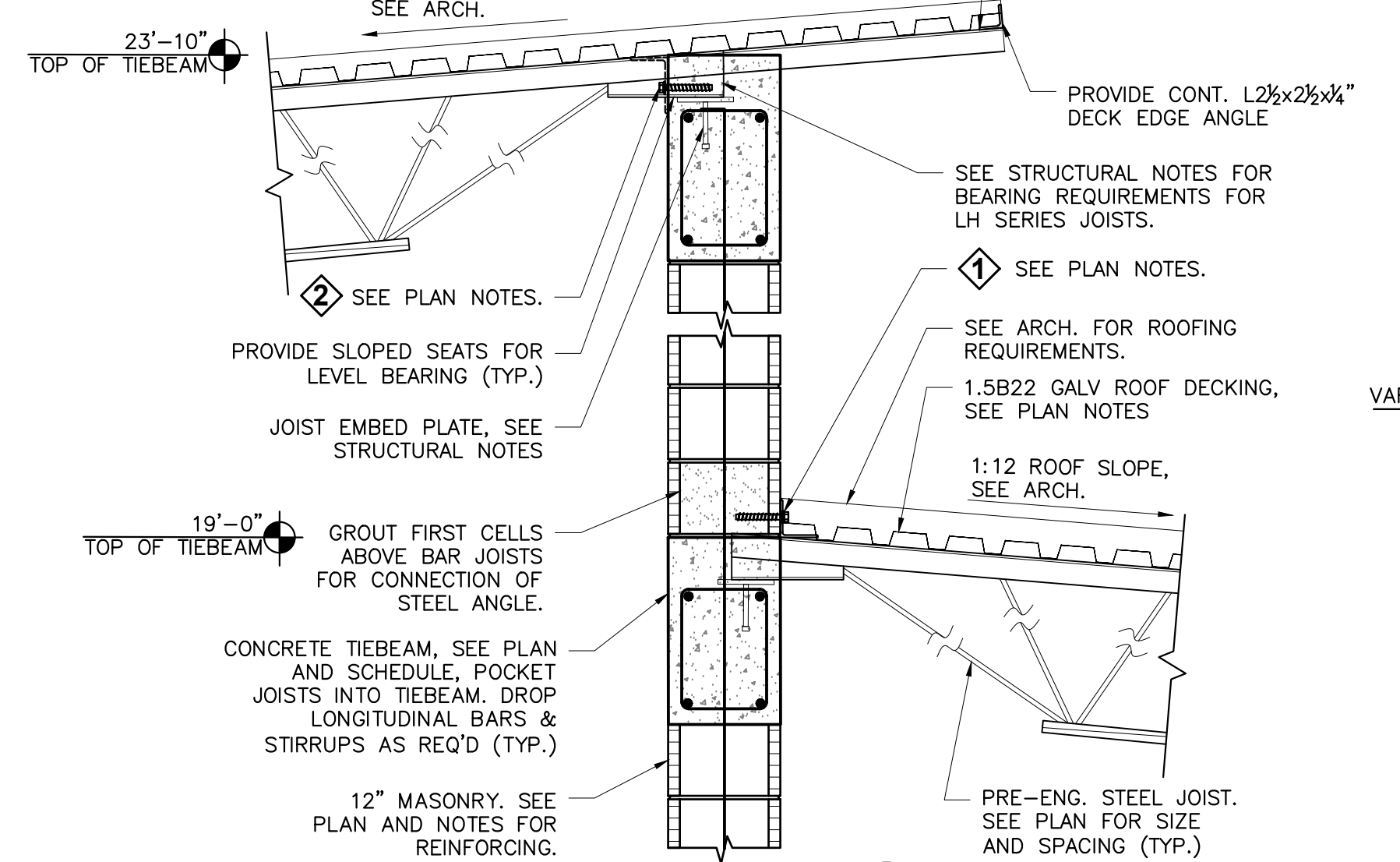
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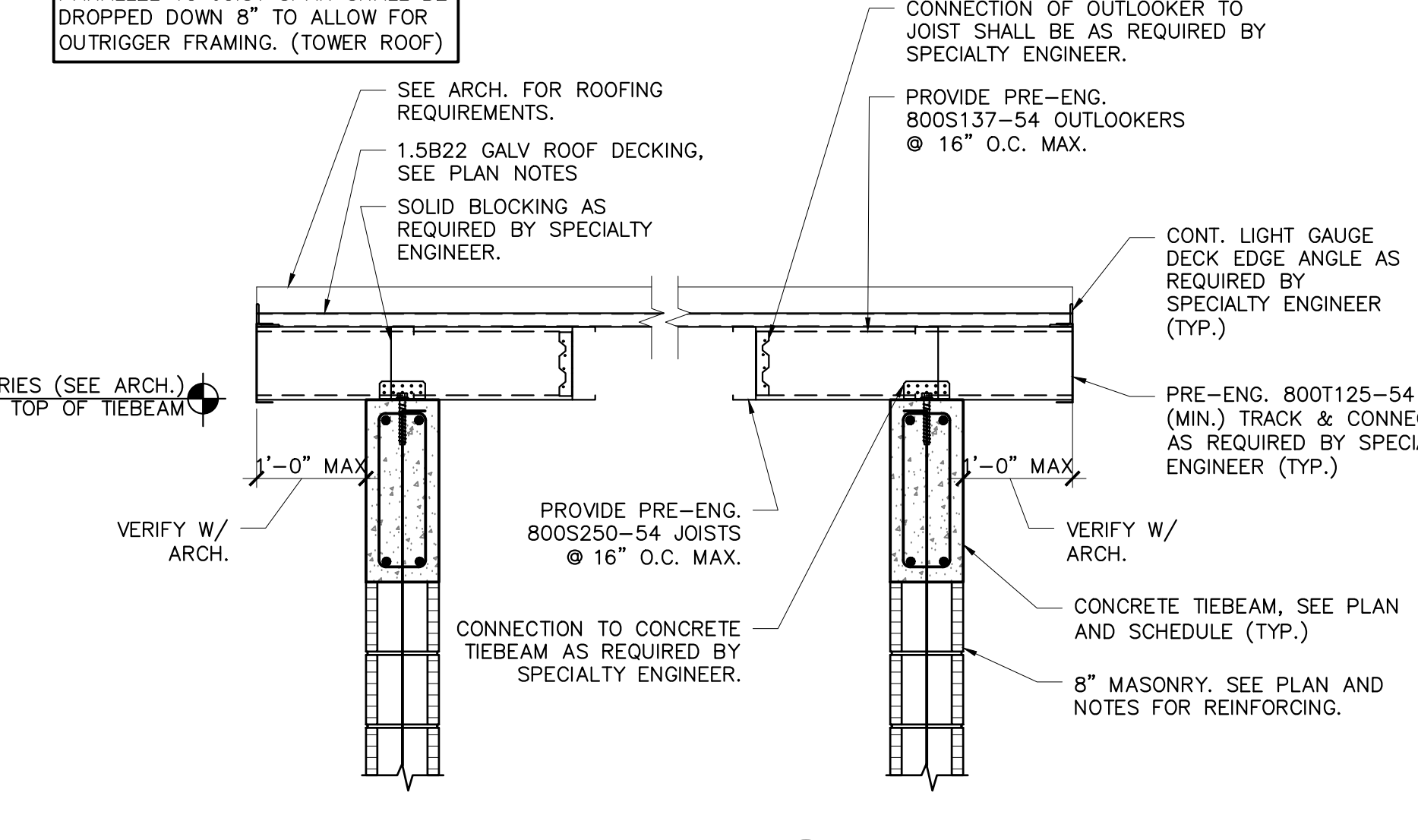
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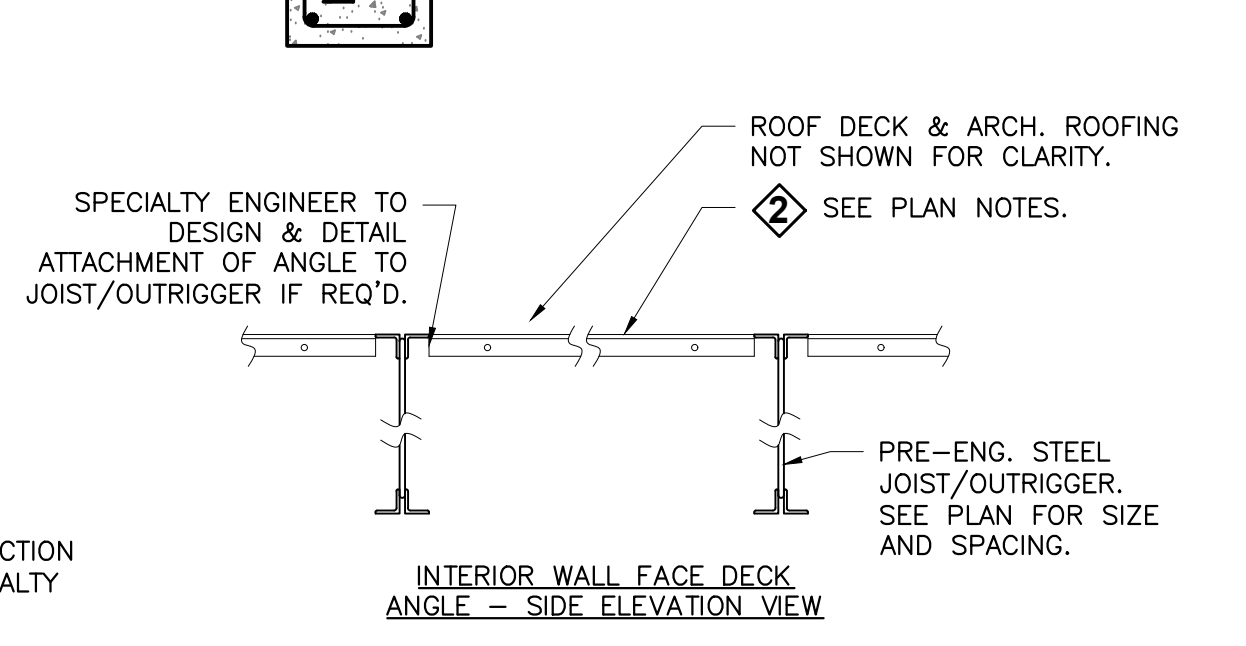
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SECTION 10  
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S5.0



SECTION 11  
SCALE: 3/4" = 1'-0"  
S5.0



SECTION 8  
SCALE: 3/4" = 1'-0"  
S5.0



**Wilson Structural**  
 8131 PROFESSIONAL PKWY. WEST SUITE 100 SARASOTA, FL 34230  
 4230 SOUTH MAGILL AVE SUITE H TAMPA, FL 33611  
 (941) 874-4789 FAX (941) 927-2518  
 TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THIS PLAN COMPLIES WITH THE APPLICABLE MINIMUM BUILDING CODES.  
 FILE: 24DW-0502  
**FIRM REGISTRY #36167**

No.	Description	Date

Project #  
 Date: 30 September, 2025  
 Drawn: HP  
 Checked: JK  
 Scale: 1/8" = 1"

**North Collier Fire Control & Rescue District Station 49**  
 COCOHATCHEE ROAD NAPLES FLORIDA 34110  
 FOR: NORTH COLLIER FIRE RESCUE DISTRICT

Architecture  
 6961 Sable Ridge Ln  
 Naples, FL 34109  
 phone: 239.591.8899

Florida Registration # AR0016755  
 lwyarch@gmail.com

S5.0

