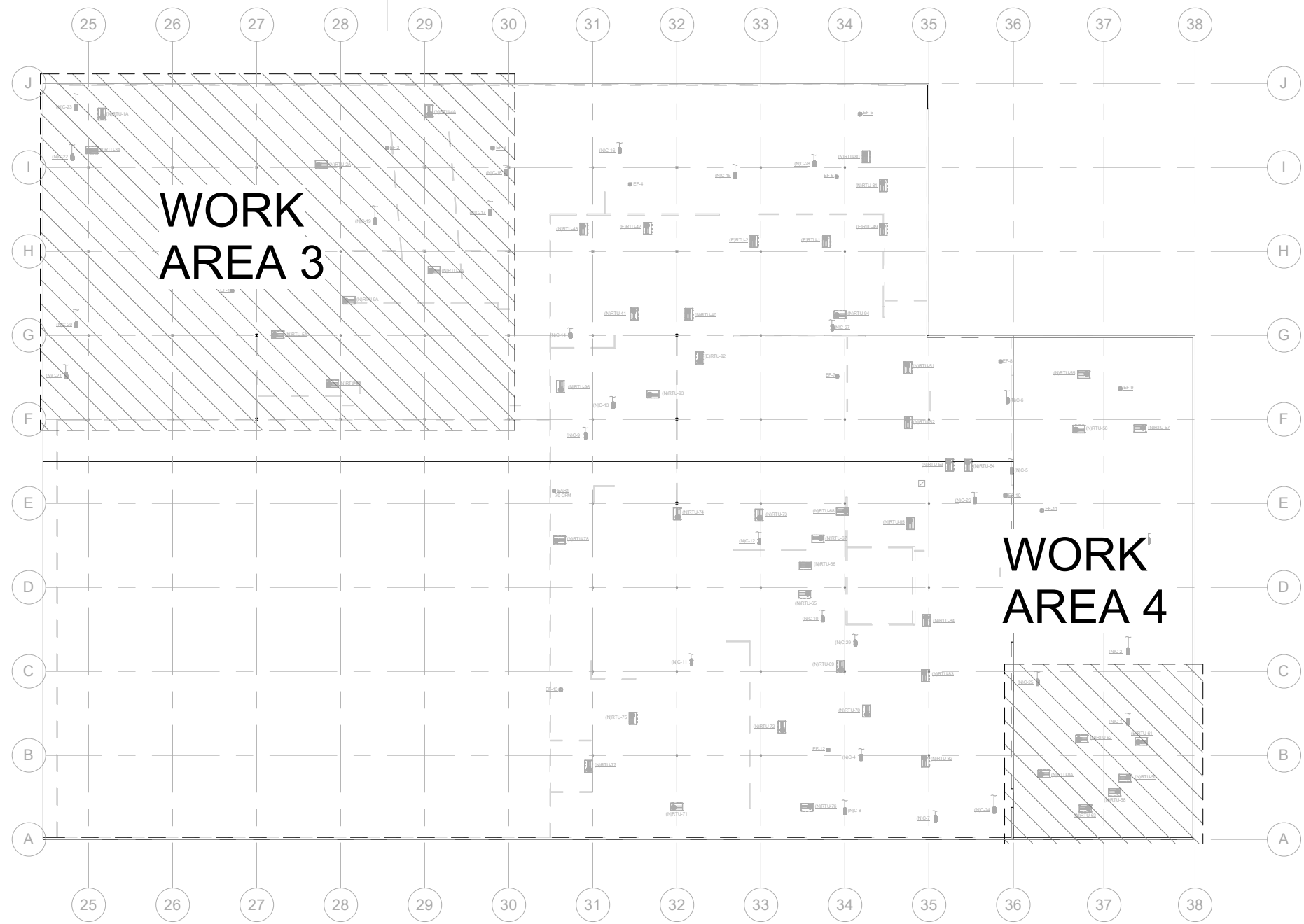


- EXISTING ROOF FRAMING NOTES:**
- EXISTING ROOF FRAMING CONSISTS OF 1 1/2" GAGE TYPE "B" (WIDE RIB) METAL DECK SPANNING OVER OPEN WEB STEEL JOIST SPACED @ 6'-8" O.C. (U.N.O.).
 - DIRECTION OF METAL DECK SPAN SHOWN THUS: ON PLAN.
 - FOR GENERAL STRUCTURAL NOTES SEE DRAWING S1.1
 - FOR WIND DESIGN DATA AND ROOF LOAD SCHEDULE, SEE DRAWING S1.1
 - FOR PLAN DIMENSIONS NOT SHOWN, SEE MECHANICAL DRAWINGS.

1 **ROOF FRAMING PLAN - WORK AREA 3**
SCALE: 1/8" = 1'-0"



KEY PLAN - WORK AREA 3 & 4
SCALE: 1/64" = 1'-0"

TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE.

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BID SET

RYAN A. BECKLEY, P.E.
FL. LIC. No. 83337

FGA PROJECT NUMBER
21003

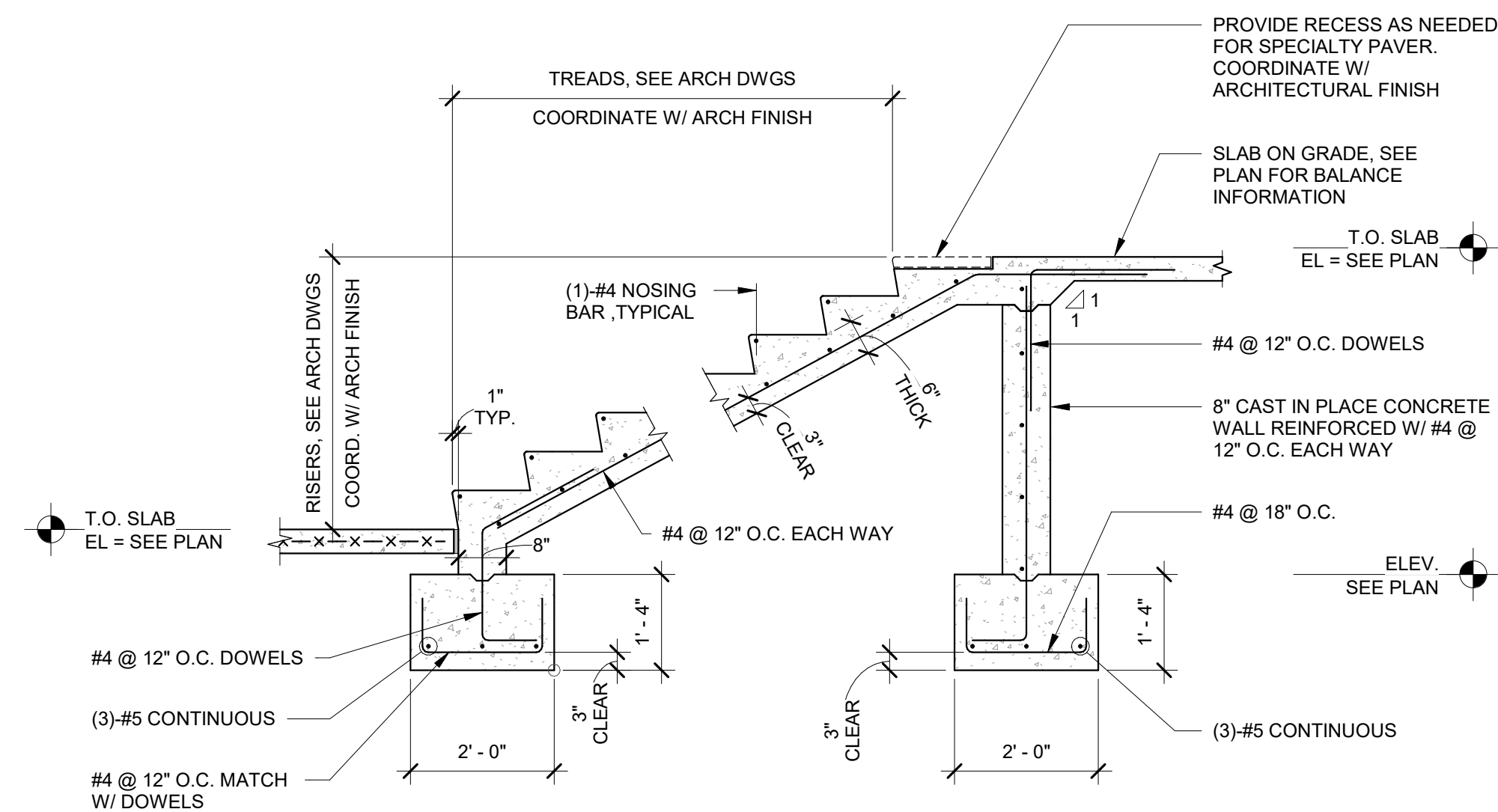
ISSUE DATE
08-25-21

NO.	DATE	NOTES
2	08-13-21	ADDENDUM #2

SHEET NAME

ROOF PLAN - WORK AREA 3

SHEET NUMBER
S2.03



CONCRETE STAIR SECTION

3-027

THE MINIMUM CLEAR COVER FOR REINFORCEMENT BARS SHALL BE ONE BAR DIAMETER OR THE VALUES TABULATED BELOW, WHICHEVER IS THE GREATER.

SLABS (L.T.WT. CONC. OR STONE CONC.)	1"
GIRDERS AND BEAMS (TO STIRRUPS)	1 1/2"
JOISTS (STONE OR L.T.WT.) BOTTOM BARS	1 1/4"

TIED COLUMNS AND PIERS

SURFACE EXPOSED TO EARTH AND WEATHER (TO TIES)	2"
OTHER SURFACES (TO TIES)	1 1/2"

FOUNDATION ELEMENTS

FORMED SURFACES	2"
SURFACES PLACED AGAINST EARTH	3"

WALLS

SURFACES EXPOSED TO EARTH	2"
SURFACES EXPOSED TO WEATHER	1 1/2"
OTHER SURFACES	1"

TYPICAL CONCRETE COVER FOR REINFORCING BARS

3-064

$f_c = 3000$ PSI, NORMAL WEIGHT

BAR SIZE	LAP CLASS	TENSION LAP SPLICES				COMPRESSION LAP SPLICES
		LAP LENGTH PER SPACING AND COVER CASE				
		CASE 1		CASE 2		
		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	
#3	A	22	17	32	25	12
	B	28	22	42	32	
#4	A	29	22	43	33	15
	B	37	29	56	43	
#5	A	36	28	54	41	19
	B	47	36	70	54	
#6	A	43	33	64	50	23
	B	56	43	84	64	
#7	A	63	48	94	72	26
	B	81	63	122	94	
#8	A	72	55	107	82	30
	B	93	72	139	107	
#9	A	81	62	121	93	34
	B	105	81	157	121	
#10	A	91	70	136	105	38
	B	118	91	177	136	
#11	A	101	78	151	116	42
	B	131	101	196	151	

TENSION AND COMPRESSION LAP SPLICES WITH $F_c = 3000$ PSI

3-065

NOTES:

CASE 1

BEAMS AND COLUMNS:
CONCRETE COVER $\geq 1/2$ TO BAR DIAMETER, C-C BAR SPACING $\geq 1/2$ TO 2X BAR DIAMETER AND WITH STIRRUPS OR TIES THROUGHOUT TENSION LAP SPlice LENGTH NOT LESS THAN THE CODE MINIMUM.

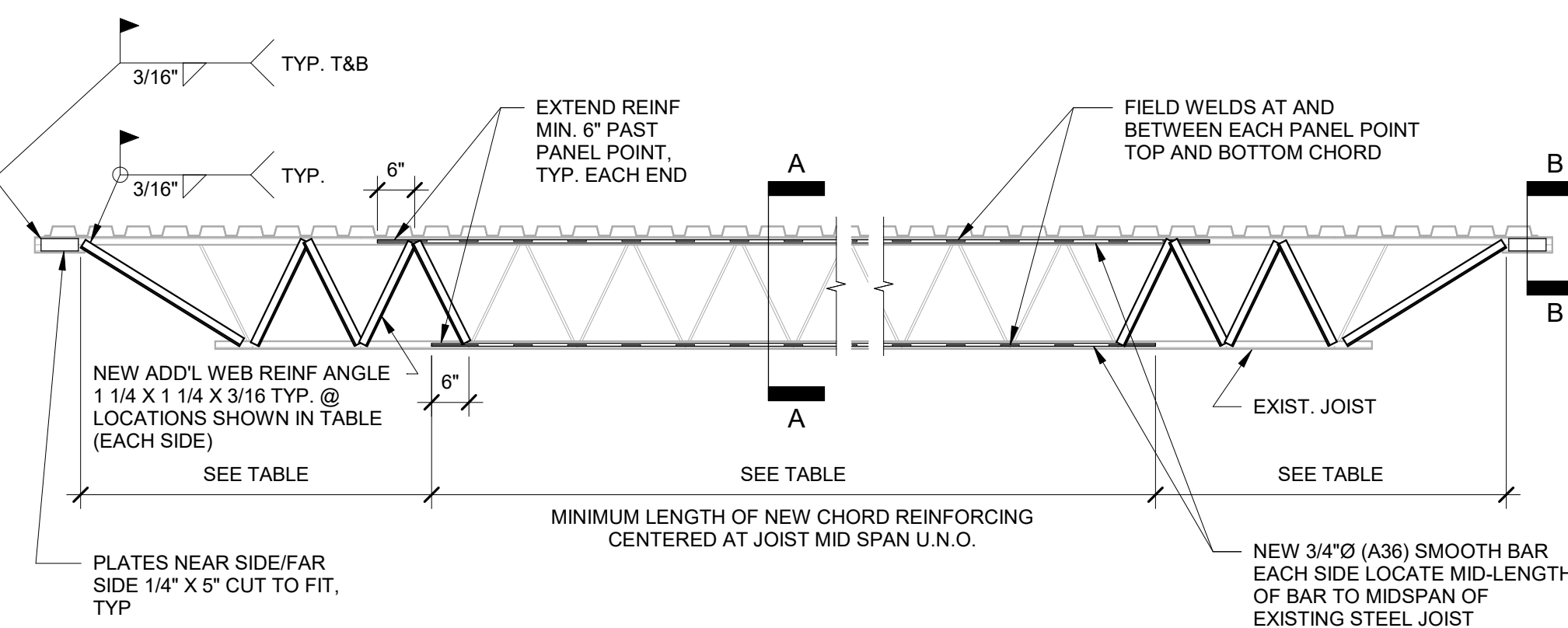
OTHER MEMBERS:
CONCRETE COVER $\geq 1/2$ TO THE BAR DIAMETER AND C-C BAR SPACING $\geq 1/2$ TO 3X BAR DIAMETER.

CASE 2

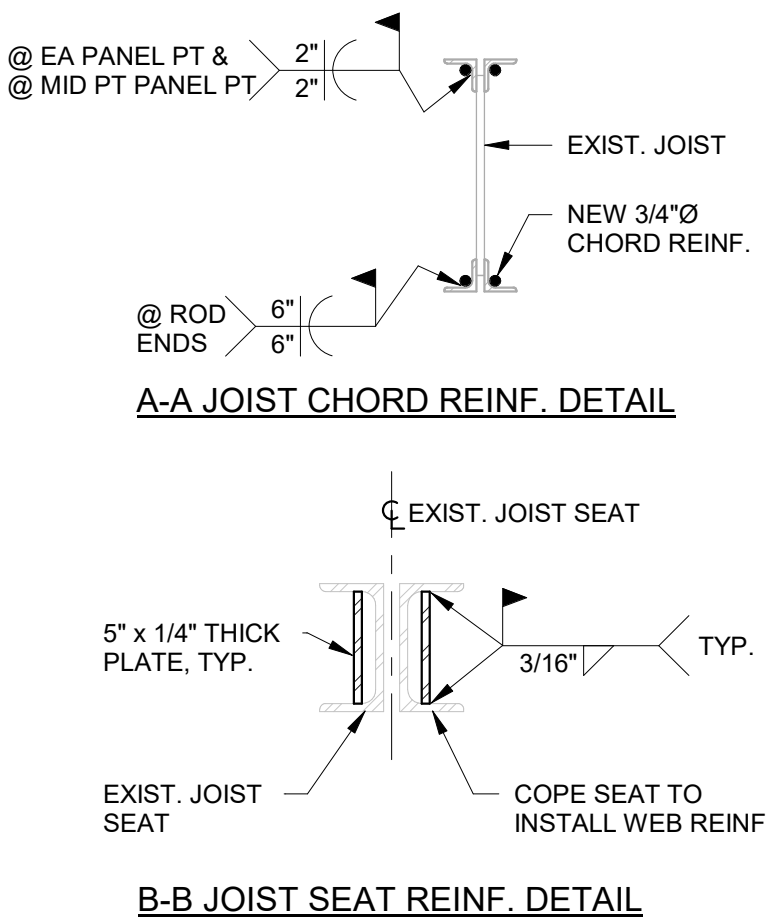
BEAMS AND COLUMNS:
CONCRETE COVER \leq BAR DIAMETER AND C-C BAR SPACING $< 2X$ BAR DIAMETER.

OTHER MEMBERS:
CONCRETE COVER $<$ BAR DIAMETER OR C-C BAR SPACING $< 3X$ BAR DIAMETER.

* LAP CLASS "B" IS TO BE USED UNLESS OTHERWISE SPECIFIED IN THESE CONTRACT DOCUMENTS.

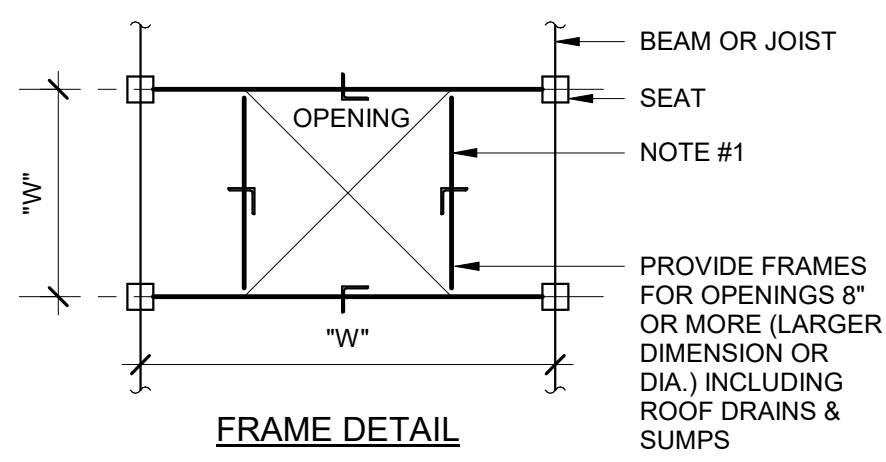


EXISTING JOIST STRENGTHENING



RETRO-FIT JOIST REINFORCING SCHEDULE

UNIT	MIN. LENGTH OF CHORD REINFORCING	LENGTH OF WEB REINF. EACH END	REMARKS
RT-1A	26' - 0"	8' - 0"	START CHORD REINF. @ WEST END OF JOIST WEB REINF. ONLY REQUIRED @ WEST END
RT-2A	FULL LENGTH	12' - 0"	
RT-3A	N/A	5' - 0"	START CHORD REINF. @ WEST END OF JOIST WEB REINF. ONLY REQUIRED @ WEST END
RT-4A	20' - 0"	5' - 0"	START CHORD REINF. @ WEST END OF JOIST WEB REINF. ONLY REQUIRED @ WEST END
RT-5A	FULL LENGTH	12' - 0"	
RT-6A	20' - 0"	8' - 0"	START CHORD REINF. @ EAST END OF JOIST WEB REINF. ONLY REQUIRED @ EAST END
RT-7A	FULL LENGTH	5' - 0"	
RT-8A	FULL LENGTH	18' - 0"	
RT-9A	FULL LENGTH	5' - 0"	

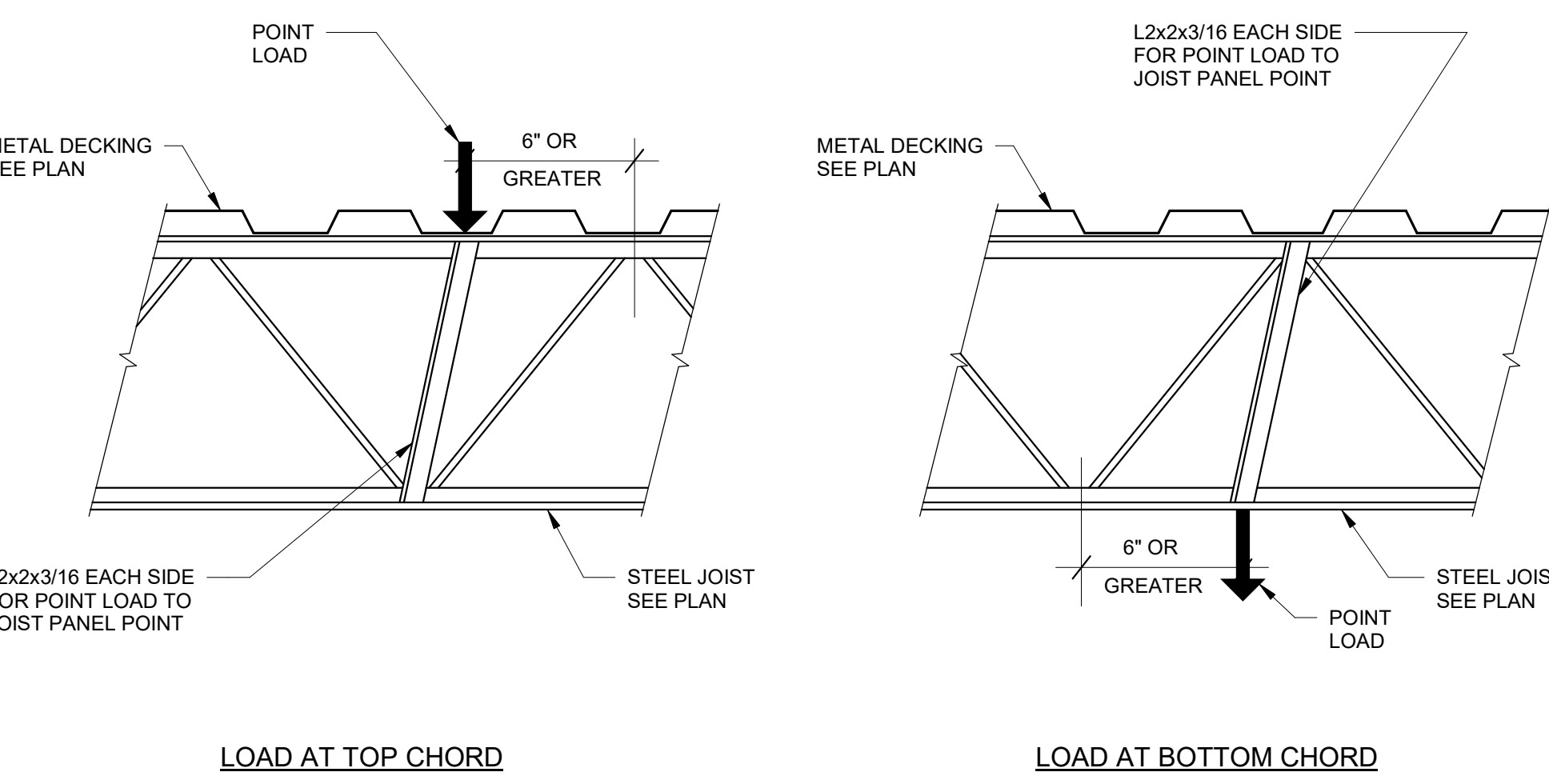


NOTES:

- ANGLES ALL SIDES UNLESS BEAMS SHOWN ON PLAN:
L2X2X1/4 FOR "W" $< 2'-0"$
L3X3X1/4 FOR "W" $< 4'-0"$
L4X4X1/4 FOR "W" $< 6'-0"$
- FOR "W" $> 6'-0"$ USE L OR W-BEAM, L SIZE OR DEPTH OF W-BEAM EQUAL TO SPAN DIMENSION IN INCHES. MINIMUM THICKNESS = 1/4"
- FOR "W" $> 10'-0"$ CONTACT ENGINEER OF RECORD FOR DETAIL.

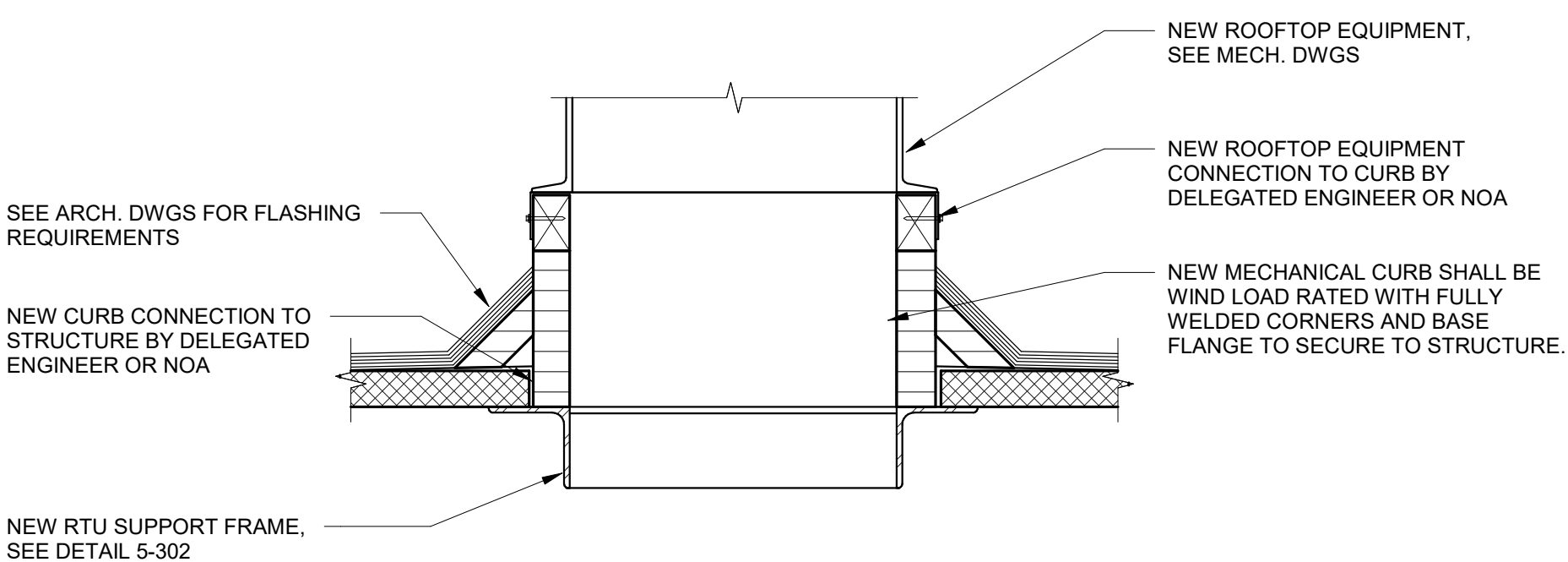
TYP. ROOF OPN'G DETAIL

5-302



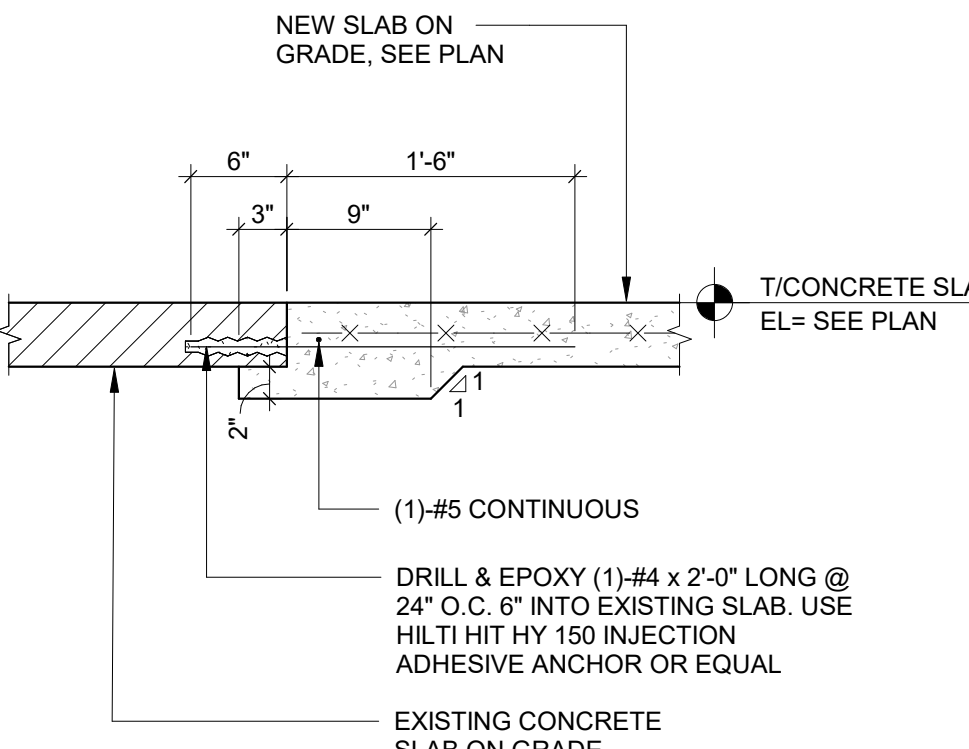
TYPICAL ADDITIONAL WEB REINFORCEMENT FOR CONCENTRATED LOAD (WHEN POINT LOAD IS GREATER THAN 40 POUNDS)

5-321



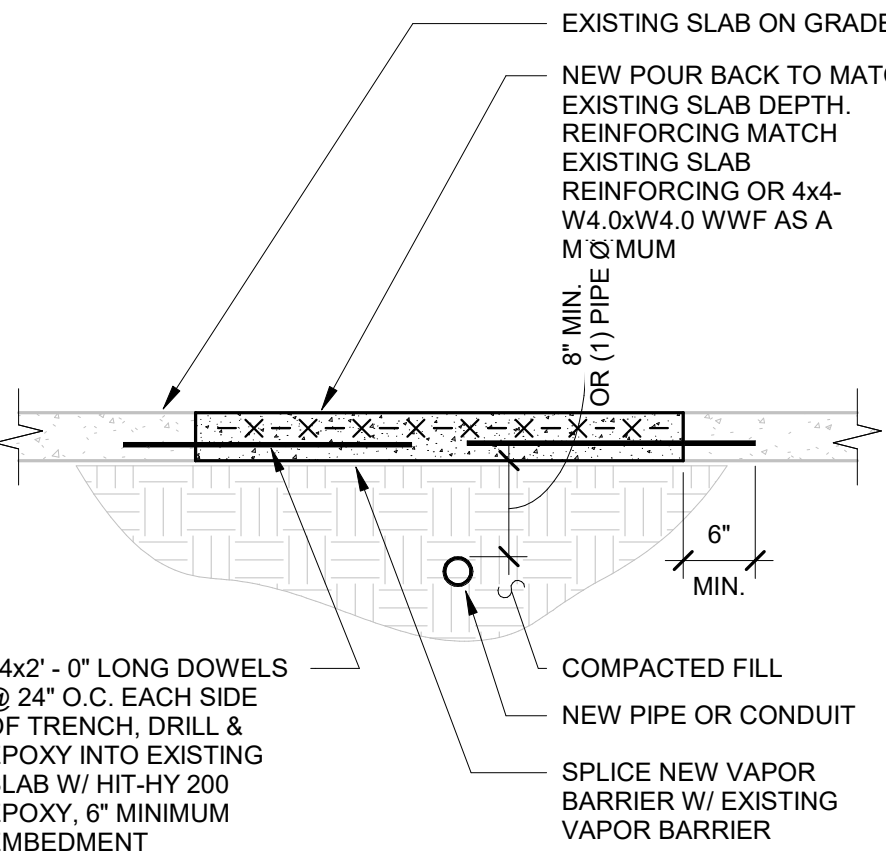
NEW RTU CURB DETAIL

5-502



NEW SLAB TO EXISTING SLAB SECTION

3-011



TRENCH POUR BACK DETAIL

3-216

- NOTES:
- VERIFY EXISTING SLAB FRAMING PRIOR TO CUTTING TRENCH. DO NOT CUT THE SLAB IF POST-TENSION CABLES ARE PRESENT.
 - CONCRETE STRENGTH SHALL MATCH EXISTING BUT SHALL NOT BE LESS THAN 4000PSI.

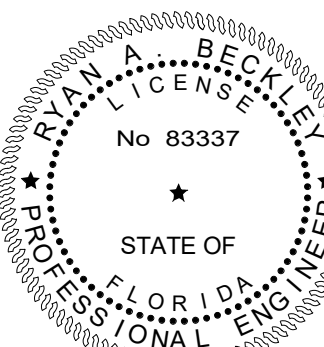
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SHEET NAME
TYPICAL DETAILS

SHEET NUMBER
S3.01