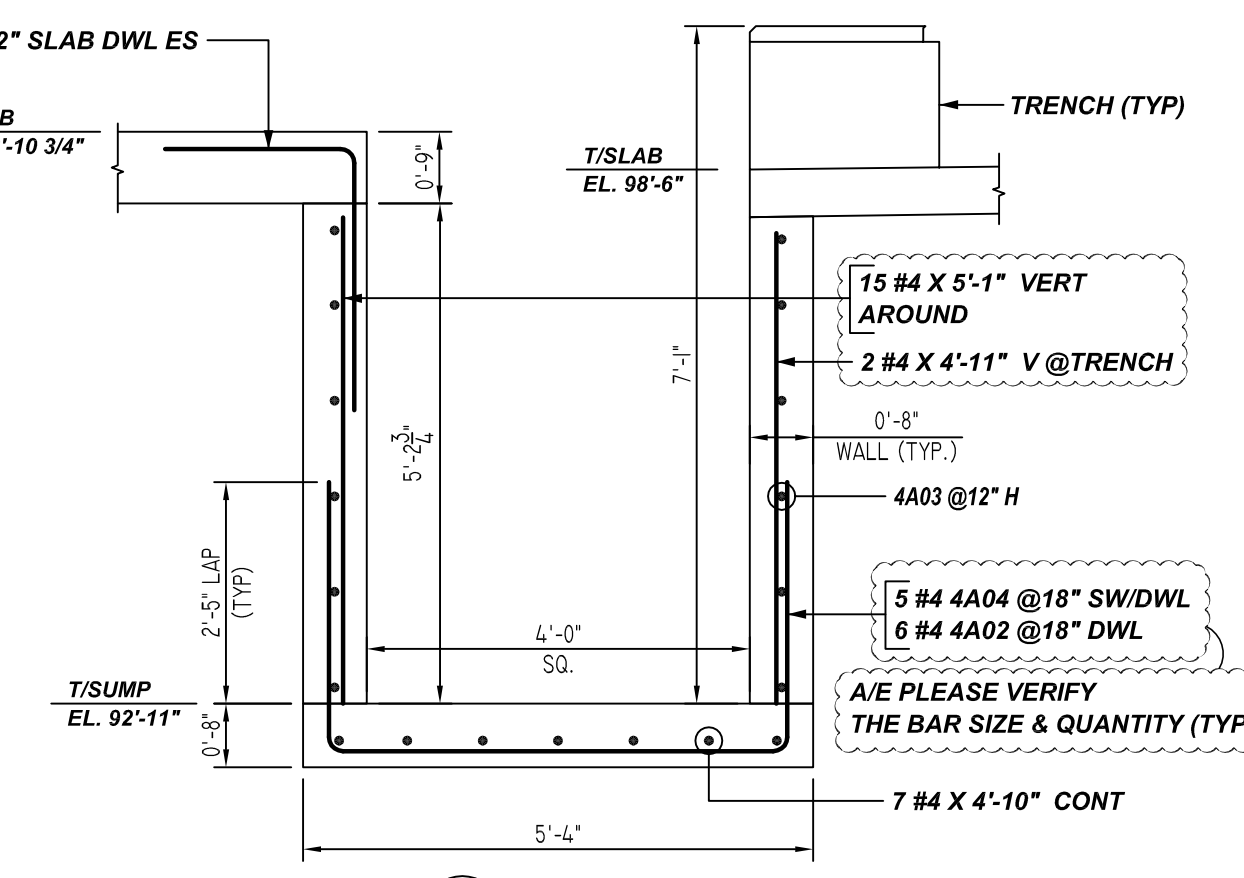
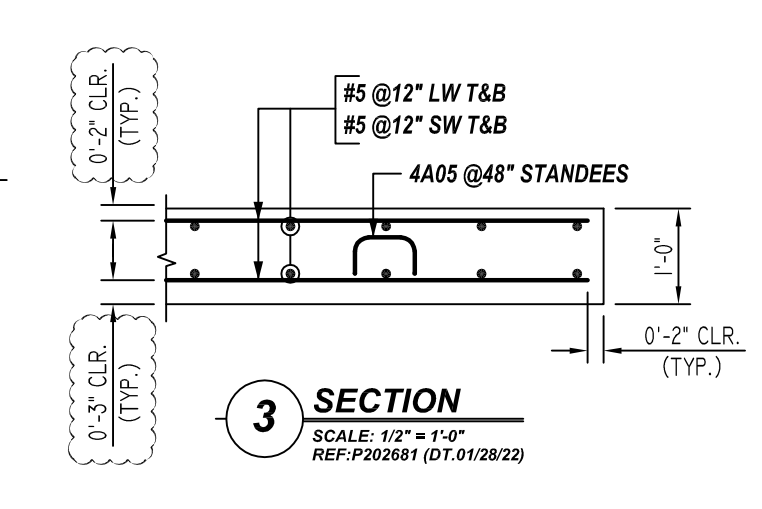
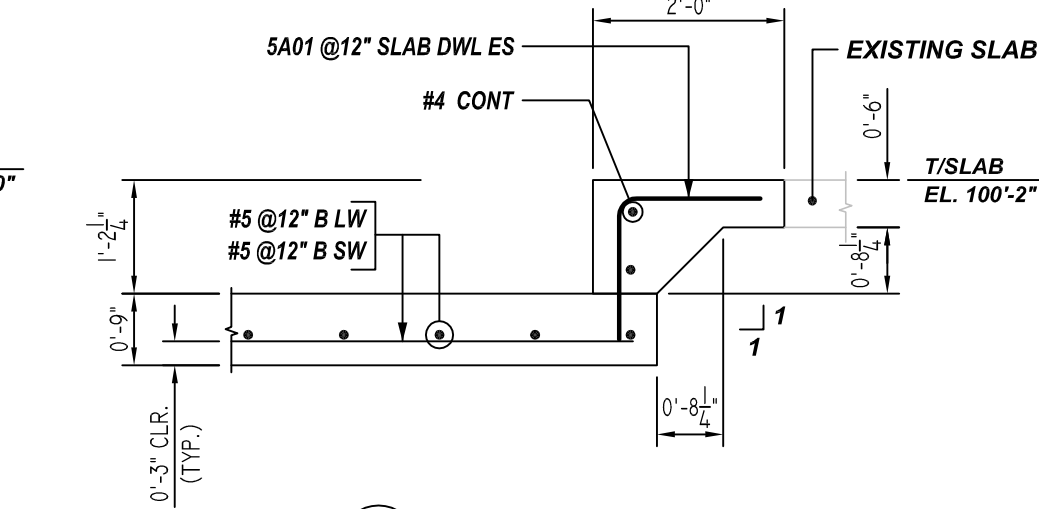
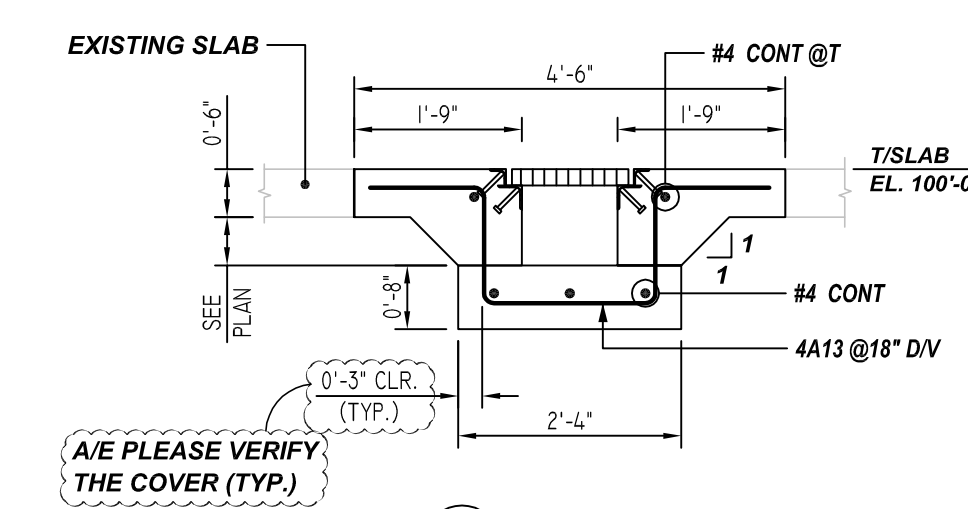
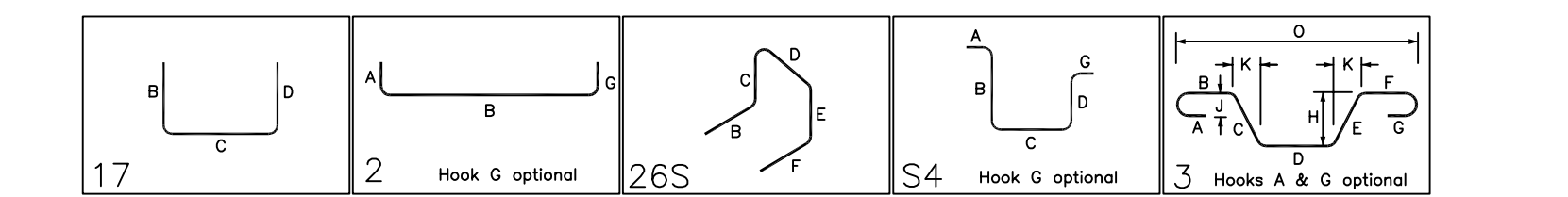


SCALE: 1/4" = 1'-0"
REF: P202871 (DT.01/28/22)

A/E PLEASE VERIFY THE PLAN PROFILE & BAR ARRANGEMENT



Release Number: R-201		BENDING DETAILS															
Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	
4A01	10	#4	4'-8"	17													
4A02	6	#4	3'-2"	2													
4A03	12	#4	11'-4"	17													
4A04	5	#4	10'-6"	17													
4A05	12	#4	4'-8"	268													
4A06	4	#4	7'-4"	54													
4A07	18	#4	7'-4"	54													
4A08	27	#4	7'-4"	54													
4A09	18	#4	7'-4"	54													
4A10	18	#4	6'-10"	54													
4A11	28	#4	6'-10"	54													
4A12	13	#4	6'-4"	54													
4A13	12	#4	6'-4"	54													
4A14	10	#4	6'-0"	54													
4A15	18	#4	6'-2"	54													
4A16	2	#4	5'-8"	17													
4A17	28	#4	4'-10"	17													
4A18	2	#4	4'-5"	17													
4A19	2	#4	4'-4"	3													
4A20	6	#4	5'-4"	3													
4A21	2	#4	10'-4"	3													
4A22	2	#4	9'-7"	3													
4A23	2	#4	8'-10"	3													
4A24	8	#4	4'-10"	3													
4A25	4	#4	11'-4"	3													
4A26	1	#4	10'-5"	3													
4A27	1	#4	9'-8"	3													
4A28	1	#4	9'-4"	3													
4A29	1	#4	8'-5"	3													
4A30	1	#4	7'-8"	3													
4A31	4	#4	4'-5"	17													
5A01	100	#5	3'-0"	17													



3000 PSI (CLASS-B) CASE - 1
Per ACI 318 (12.2.2)

BAR#	LENGTHS	
	TOP	OTHERS
#3	2'-4"	1'-10"
#4	3'-1"	2'-5"
#5	3'-11"	3'-0"
#6	4'-8"	3'-7"
#7	6'-9"	5'-3"
#8	7'-9"	6'-0"
#9	8'-9"	6'-9"
#10	9'-10"	7'-7"
#11	10'-11"	8'-5"

ALL TOP BARS ARE DEFINED AS HORIZ BARS WITH MORE THAN 12" OF CONCRETE BELOW BARS.

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

- PLACING PLAN NOTES:**
- THIS DRAWING IS FOR REBAR PLACEMENT ASSISTANCE ONLY; REFER TO STRUCTURAL DETAILS FOR CONTRACT REQUIREMENTS.
 - SECTIONS/DETAILS/DIMENSIONS ON PLACING PLAN ARE FOR REFERENCE ONLY AND ARE TO BE USED IN CONJUNCTION WITH CONTRACT DRAWINGS PER CRSI MANUAL OF STANDARD PRACTICE.
 - REINFORCING STEEL IS DETAILED PER CONTRACT DOCUMENTS ONLY AS SHOWN. CODE COMPLIANCE REQUIREMENTS ARE THE RESPONSIBILITY OF ENGINEER AND/OR CONTRACTOR.
 - THE CONTRACTOR(S) UNDERSTANDS THAT THE ENGINEER SHOULD ALWAYS VERIFY SHOP DRAWINGS, IF TIME DOES NOT ALLOW FOR APPROVALS, P.T.S IS NOT HELD RESPONSIBLE FOR UNAPPROVED SHOP DRAWINGS USED IN PLACING (CRSI MANUAL OF STANDARD PRACTICE). THE CUSTOMER AND ENGINEER SHOULD REVIEW SHOP DRAWINGS PRIOR TO INSTALLATION TO VERIFY ACCURACY TO STRUCTURAL DRAWINGS.

- PLACING NOTES:**
- DIMENSIONS, ELEVATIONS & DRAWING SCALES SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE LINES, GRADES & TEMPLATES REQUIRED FOR PLACEMENT.
 - SECTIONS & DETAILS MAY NOT BE SHOWN ON ALL PLACING PLANS. KEEP STRUCTURAL DRAWINGS ON SITE FOR USE.
 - SOME LAP LENGTHS WILL BE ROUNDED UP IN DETAILING TO PROVIDE FOR 1" INCREMENTS FOR LAPS.
 - LAPS OR EMBEDMENT LENGTHS SHOWN IN SPECIFIC DETAILS WILL SUPERSEDE LAPS IN THE LAP SCHEDULE.
 - MILL CERTIFICATIONS ARE REQUIRED FOR ALL SHIPMENTS. IF BARS CANNOT BE IDENTIFIED, SPECIAL TESTING MAY BE DONE WITH SAMPLES CUT FROM SHIPMENT.
 - VERIFY PLACEMENT DRAWINGS TO LATEST ISSUE OF JOB RECORD DRAWINGS FOR POSSIBLE REVISIONS OR FIELD CHANGES.
 - TYPICAL NOTES & DETAILS ARE USED THROUGHOUT ENTIRE PROJECT & APPLY UNLESS NOTED OTHERWISE.

REBAR GRADE
ASTM A615 GRADE 60
PRE-FIX: A

DATE: 09/12/22

DRAWING STATUS: FOR APPROVAL / REVISED & RE-SUBMITTED / REVISION / FOR CONSTRUCTION PER CUSTOMER'S REQUEST

CHEMICAL ROOM: TRENCH DRAIN, SLUMP COOLING CONVEYOR DT, TRENCH DRAIN, SUMP SLAB, HAMMERMILL EDN, SLAB BATT, CHOPPER SLAB BLAGGER PADS REINF. DET.

PROJECT: NEPH UT CONTRACT #16

LOCATION: NU, NEPH UT

CUSTOMER: _____

DRAWN BY: RTP

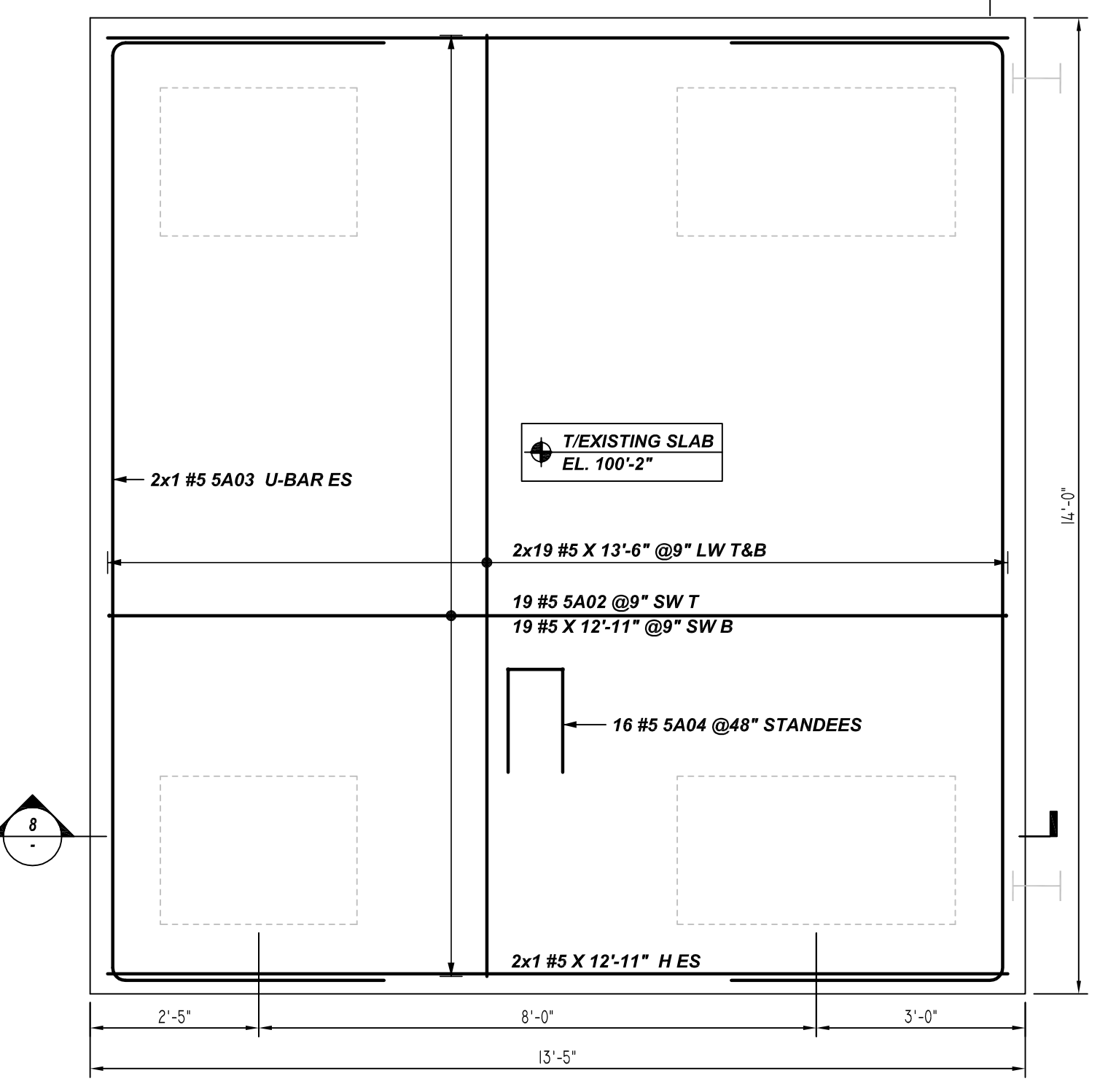
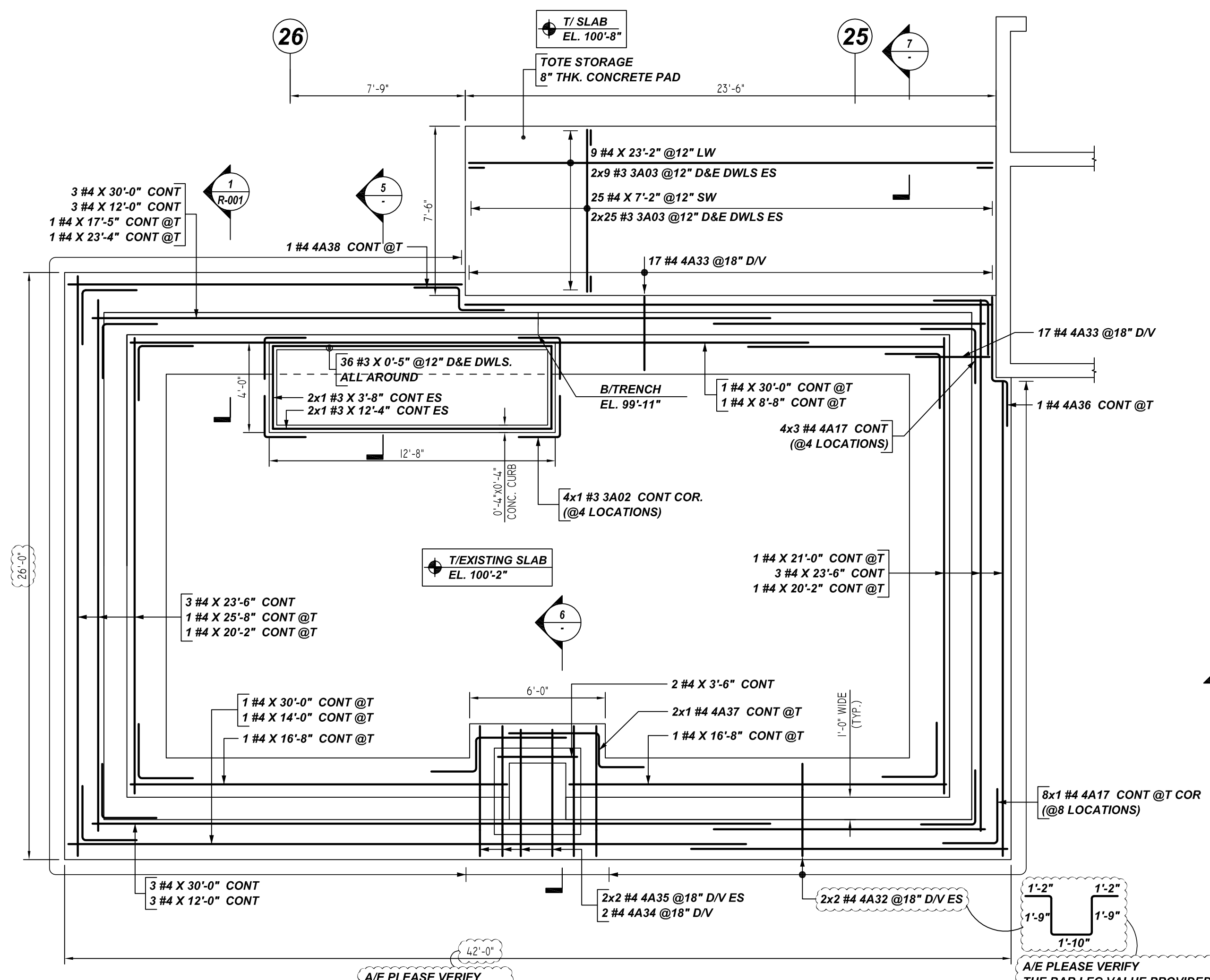
DATE: 09/12/22

CHKD BY: MET

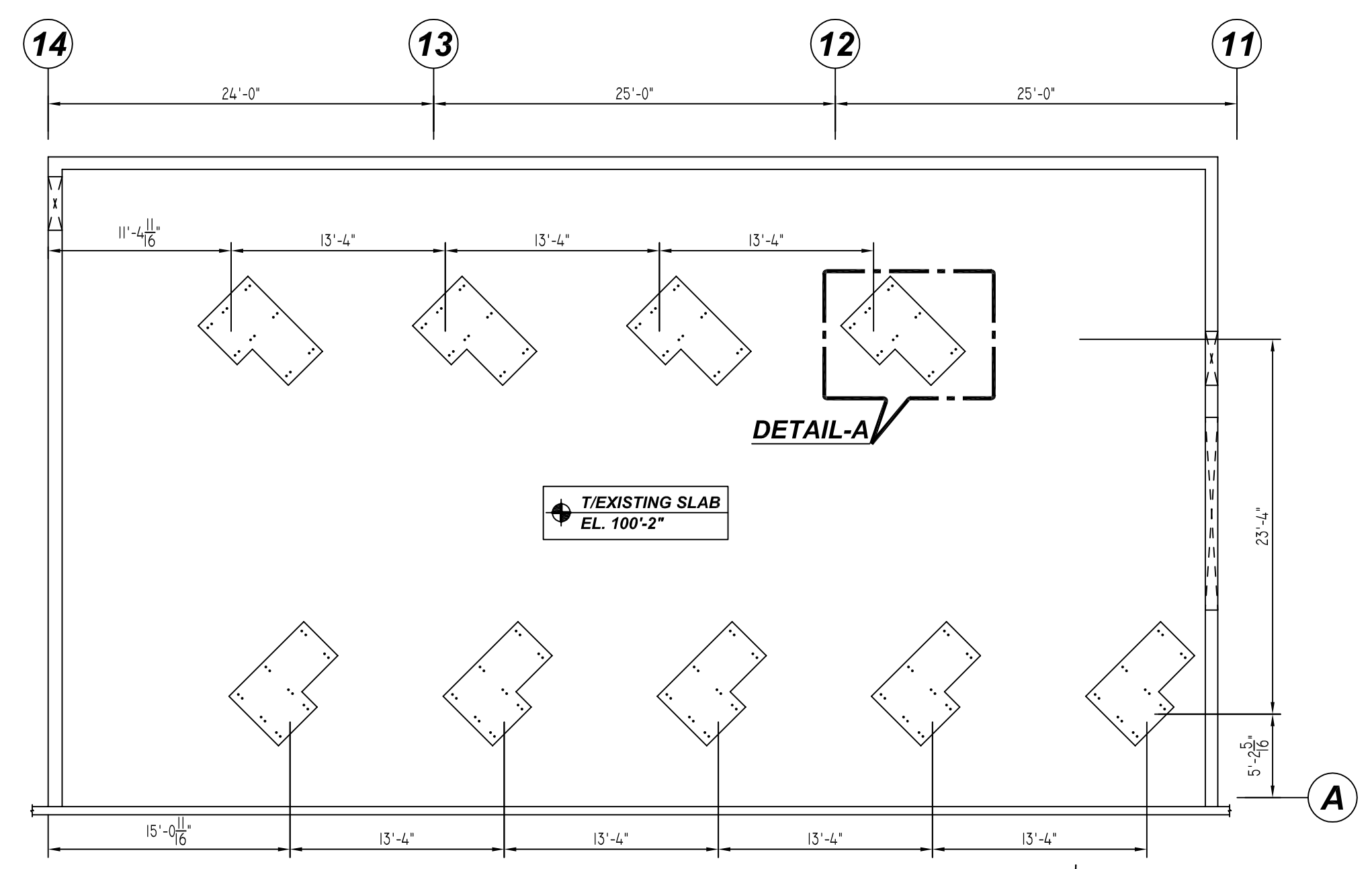
JOB# 78410

DWG# R-001

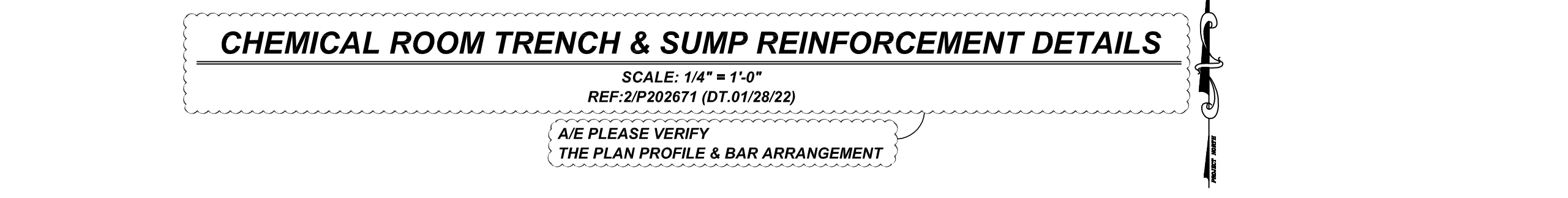
REBAR GRADE
ASTM A615 GRADE 60
PRE-FIX: A
DATE
09/12/22
DRAWING STATUS
FOR APPROVAL
REVISED & RE-SUBMITTED
REVISION
FOR CONSTRUCTION
PER CUSTOMER'S REQUEST



BATT CHOPPER FOUNDATION REINFORCEMENT DETAILS
 SCALE: 1/2" = 1'-0"
 REF: 1/P202678 (DT.01/14/22)



BAGGER FAN PAD REINFORCEMENT DETAILS
 SCALE: 1/8" = 1'-0"
 REF: 3/P202678 (DT.01/14/22)



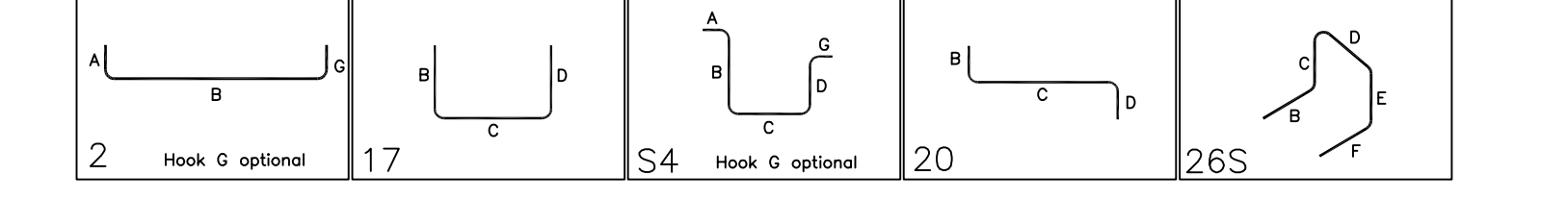
CHEMICAL ROOM TRENCH & SUMP REINFORCEMENT DETAILS
 SCALE: 1/4" = 1'-0"
 REF: 2/P202671 (DT.01/28/22)

Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
3A01	270	#3	1'-5"	2	0'-6"	0'-9"																								
3A02	4	#3	3'-8"	17	1'-10"	1'-10"																								
3A03	66	#3	1'-5"	2	0'-8"	0'-9"																								
4A17	20	#4	4'-10"	17	2'-5"	2'-5"																								
4A32	4	#4	7'-8"	5A	1'-2"	1'-9"	1'-10"	1'-9"																						
4A33	34	#4	6'-10"	5A	0'-4"	1'-9"	1'-10"	1'-9"																						
4A34	2	#4	9'-2"	5A	1'-2"	1'-9"	3'-4"	1'-9"																						
4A35	4	#4	9'-4"	5A	1'-2"	1'-9"	1'-10"	1'-9"																						
4A36	4	#4	6'-3"	20	2'-2"	0'-8"	0'-8"	3'-9"																						
4A37	2	#4	7'-6"	20	2'-0"	1'-6"	4'-0"																							
4A38	1	#4	5'-0"	20	2'-0"	1'-0"	2'-0"																							
5A02	19	#5	16'-5"	17	1'-9"	12'-11"	1'-9"																							
5A03	2	#5	21'-4"	17	3'-11"	15'-6"	3'-11"																							
5A04	16	#5	7'-0"	28S	1'-6"	1'-7"	0'-10"	1'-6"																						

LAP SCHEDULE
 3000 PSI (CLASS-B) CASE - 1
 Per ACI 318 (12.2.2)

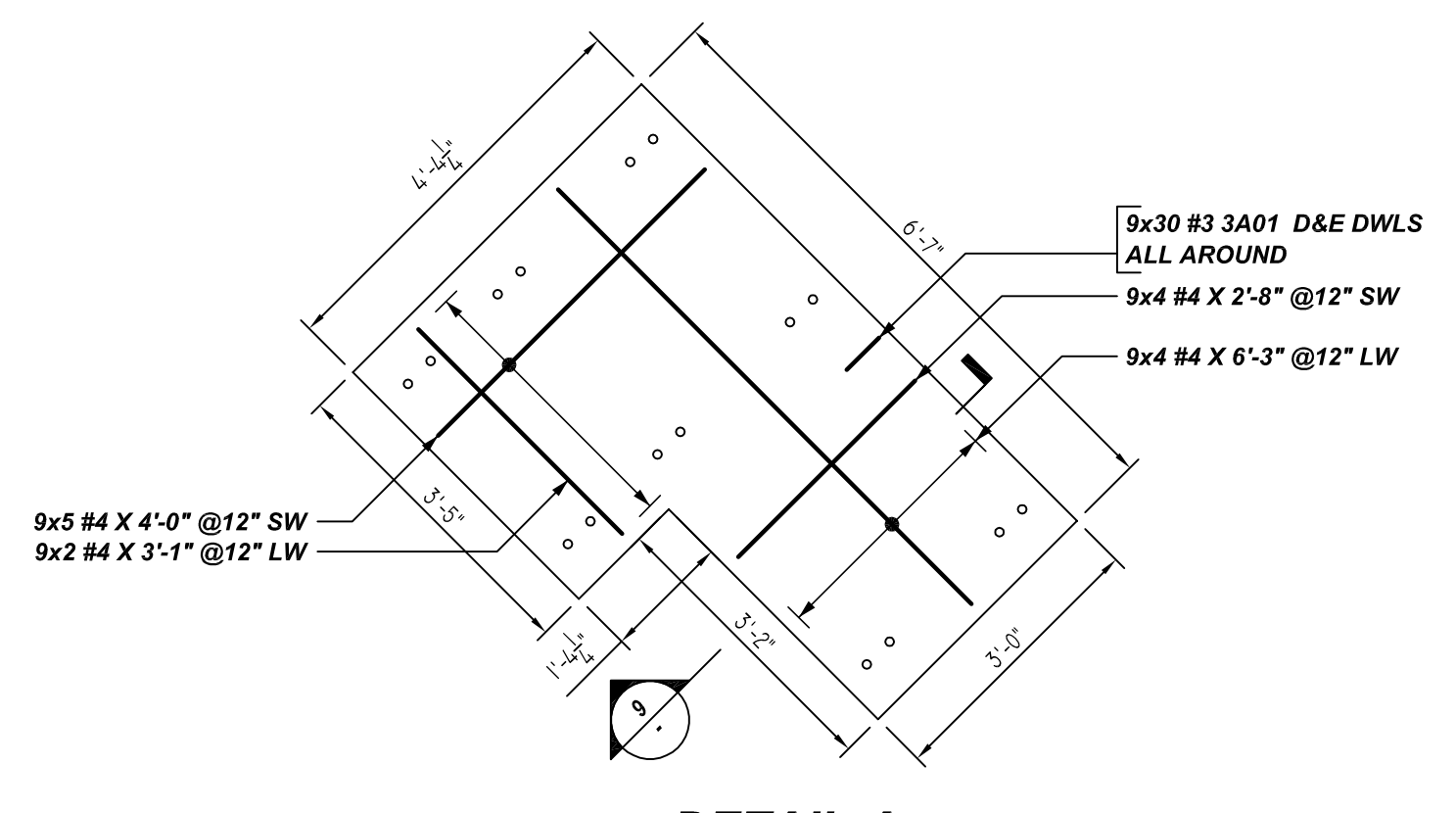
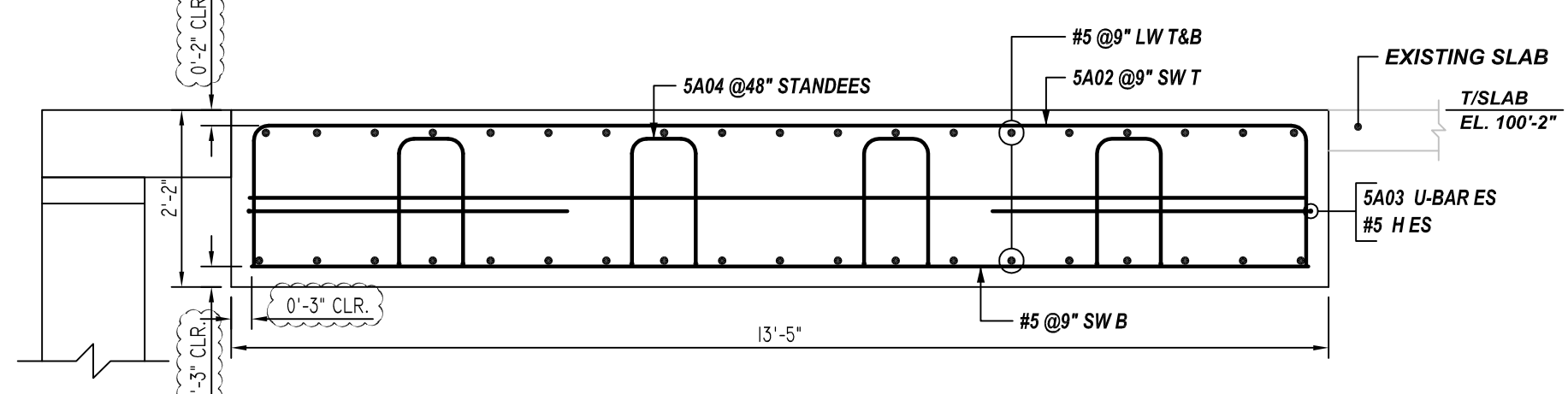
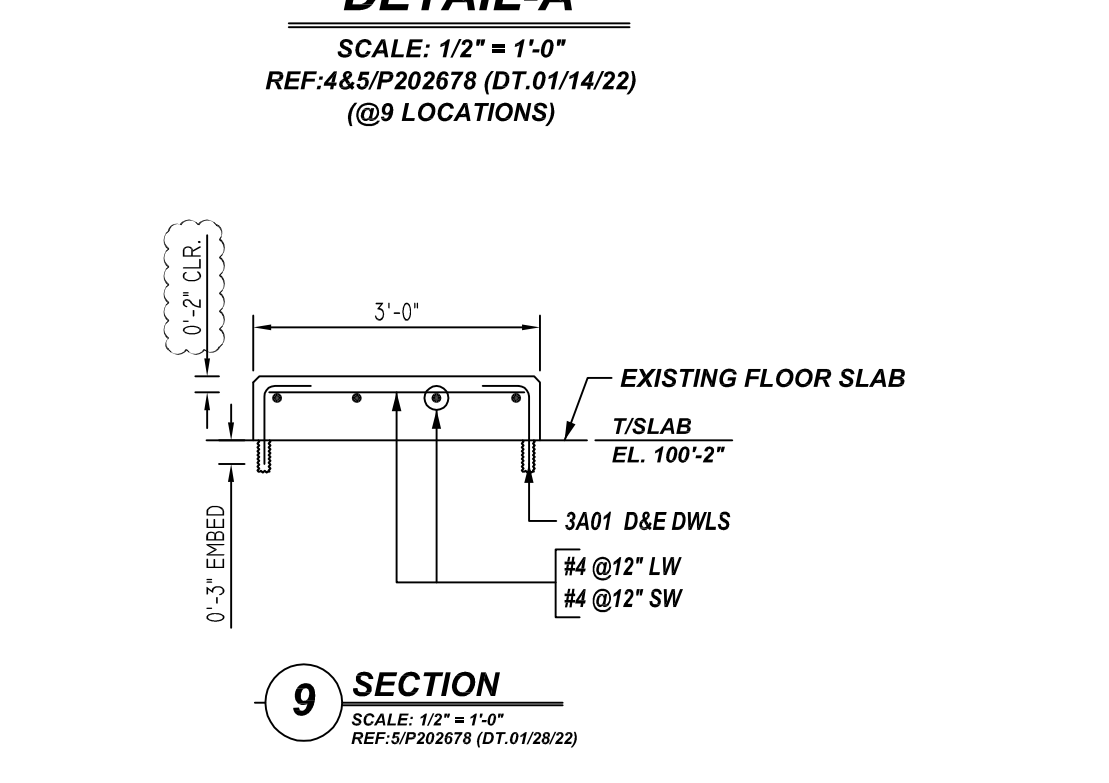
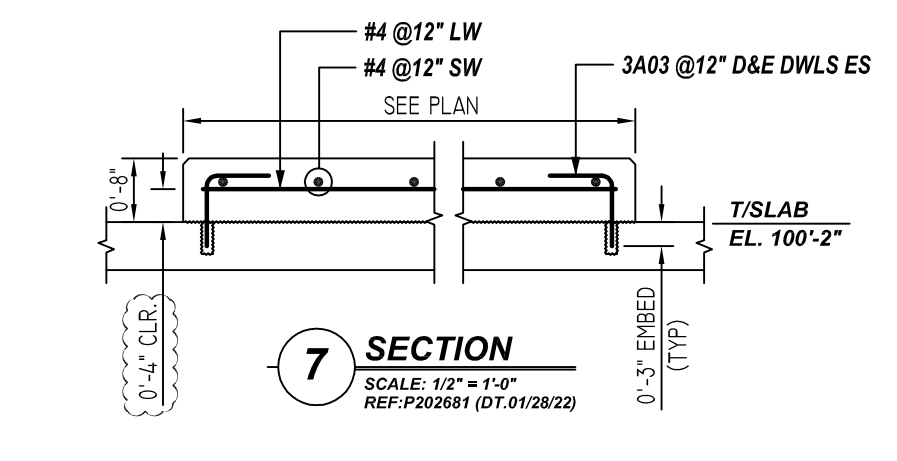
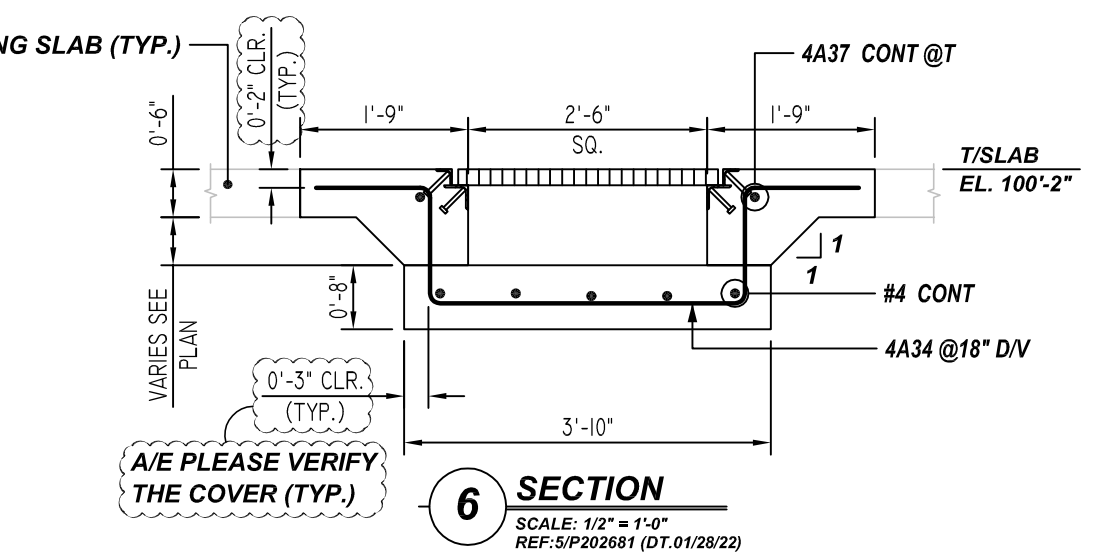
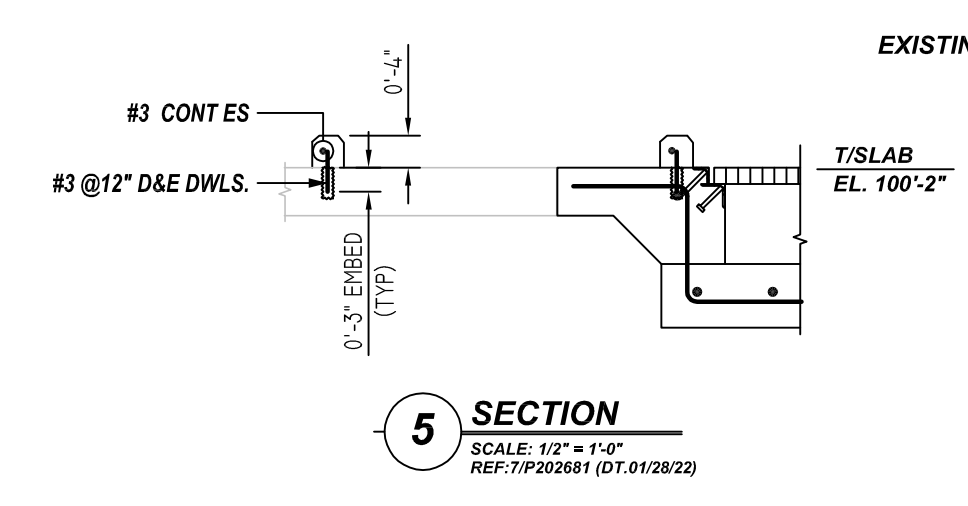
BAR#	TOP	OTHERS
#3	2'-4"	1'-10"
#4	3'-1"	2'-5"
#5	3'-11"	3'-0"
#6	4'-8"	3'-7"
#7	6'-9"	5'-3"
#8	7'-9"	6'-0"
#9	8'-9"	6'-9"
#10	9'-10"	7'-7"
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ALL BARS IN THIS DRAWING
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 BLACK UNCOATED

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DETAIL-A
 SCALE: 1/2" = 1'-0"
 REF: 4&5/P202678 (DT.01/14/22)
 (@ 9 LOCATIONS)

CHEMICAL ROOM- TRENCH DRAIN, SUMP, COOLING CONVEYOR PIT, TRENCH DRAIN, SUMP, SLAB HAMMERMILL TDY- SLAB BATT CHOPPER- SLAB BAGGER PADS REIN. DET.

PROJECT: NEPHI UT CONTRACT #16

CUSTOMER: NU, NEPHI UT

DRAWN BY: RTP DATE: 09/12/22 CHKD BY: MET

JOB # 78410

DWG # R-002