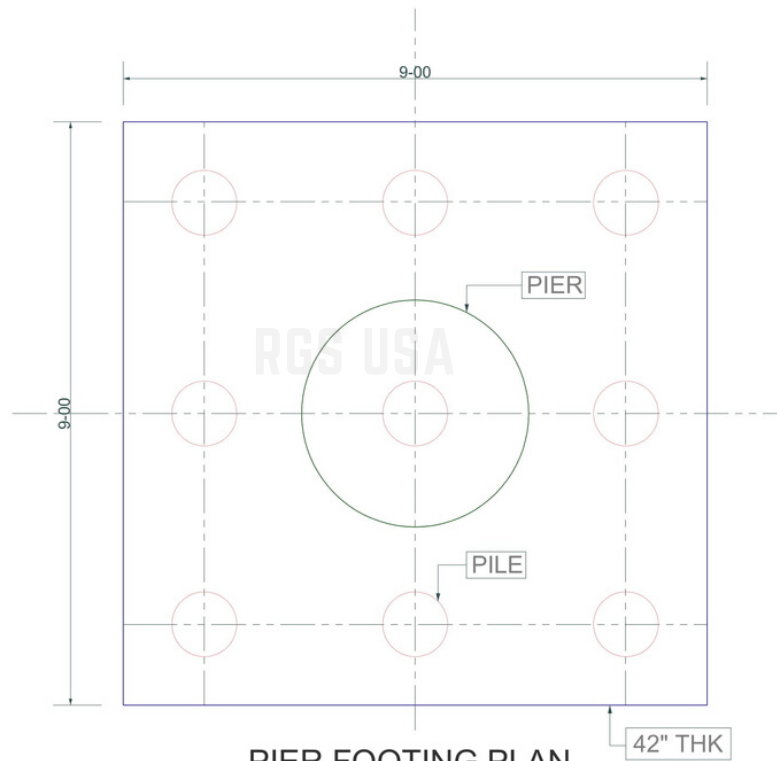
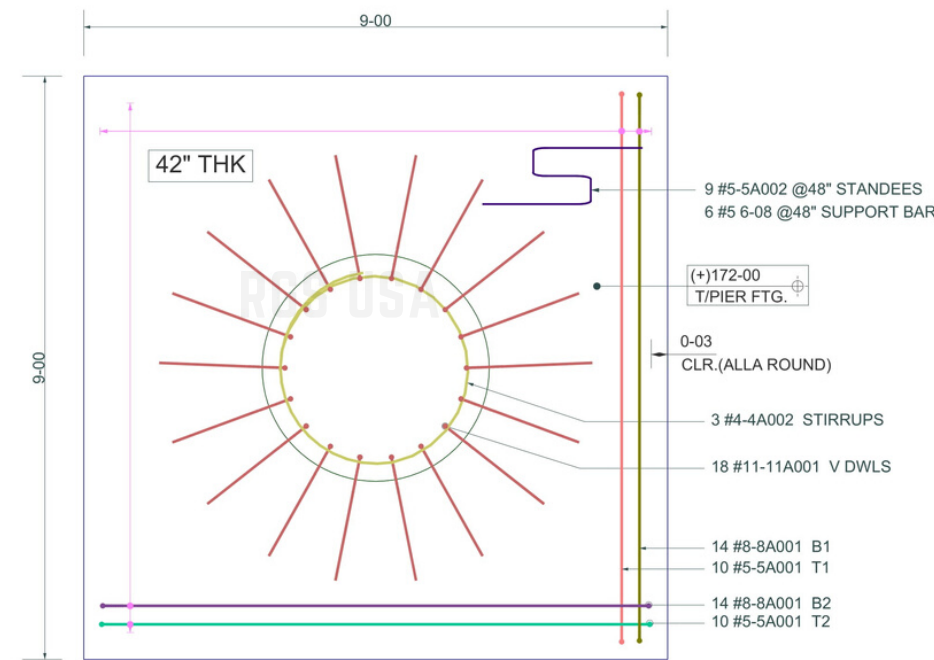

INFRASTRUCTURE SAMPLE DRAWINGS

TABLE OF CONTENTS

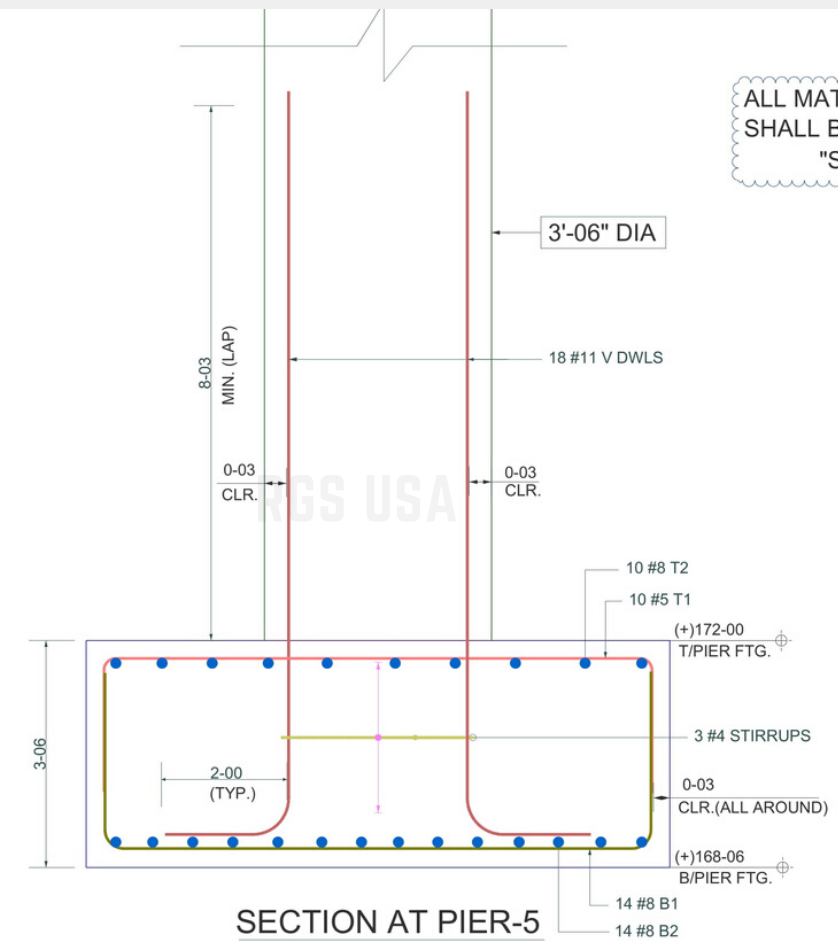
01	Pier Footing Reinforcement Details	06	Deck Slab - Framing Plan	11	Deck Slab Isometric View
02	Pier Reinforcement Details	07	Deck Slab Bottom Reinforcement Details	12	Deck Barrier Dowel Reinforcement Details
03	Pier Cap Reinforcement Details - Part 1	08	Deck Slab Top Reinforcement Details	13	Deck Barrier Horizontal Reinforcement Details
04	Pier Cap Reinforcement Details - Part 2	09	Deck Slab Section View	14	Deck Barrier Isometric View
05	Pier Cap Reinforcement Details - Part 3	10	Link Slab Reinforcement Details		



PIER FOOTING PLAN
PIER LOCATION-5
 REF : S3009 (06/02/17)



REINFORCEMENT DETAILS OF PIER FOOTING
PIER LOCATION-5
 REF : S3009, S3010, S3011 (06/02/17).



SECTION AT PIER-5
FOOTING ELEVATION
 REF: S3010 (06/02/17)

ALL MATERIAL ON THIS DRAWING
 SHALL BE ASTM A955 GRADE 60
 "STAINLESS" (60S)

LEGEND

THK	THICKNESS
FTG	FOOTING
B1	BOTTOM 1st LAYER
B2	BOTTOM 2nd LAYER
T1	TOP 1st LAYER
T2	TOP 2nd LAYER
REINF.	REINFORCEMENT
CLR.	CLEAR
DWLS	DOWELS
V	VERTICAL
MIN.	MINIMUM
SF	SIDE FACE
EF	EACH FACE

COVER DETAILS

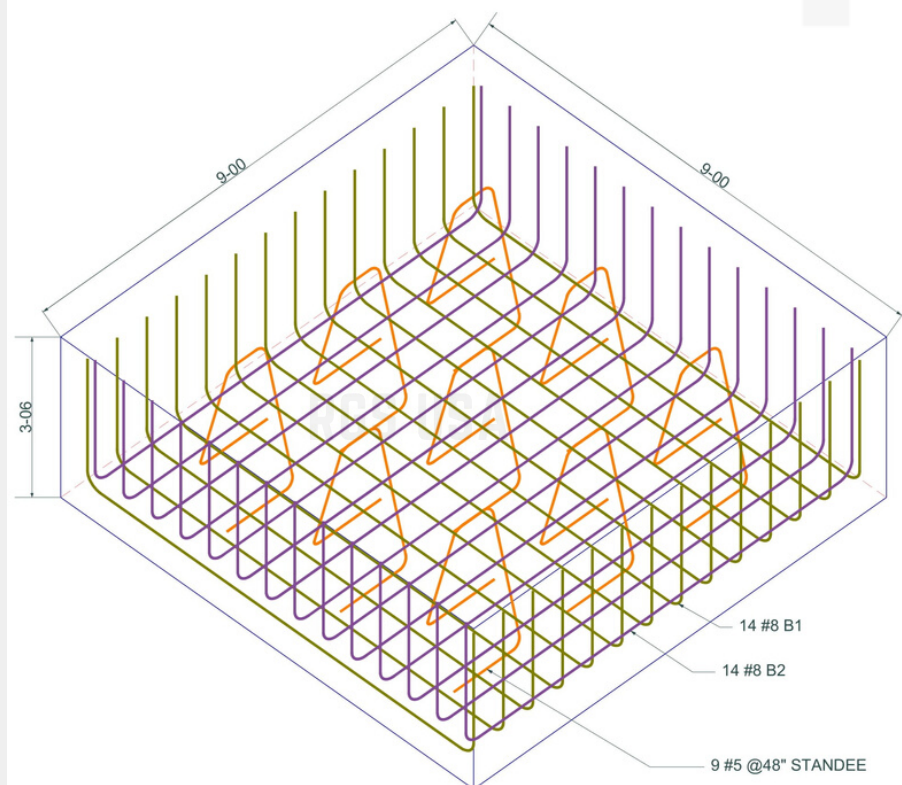
PIER CAP :
 ALL SIDES : 2"
 PIER :
 TOP : 3"
 SIDE : 3"

STRUCTURAL REFERENCE :

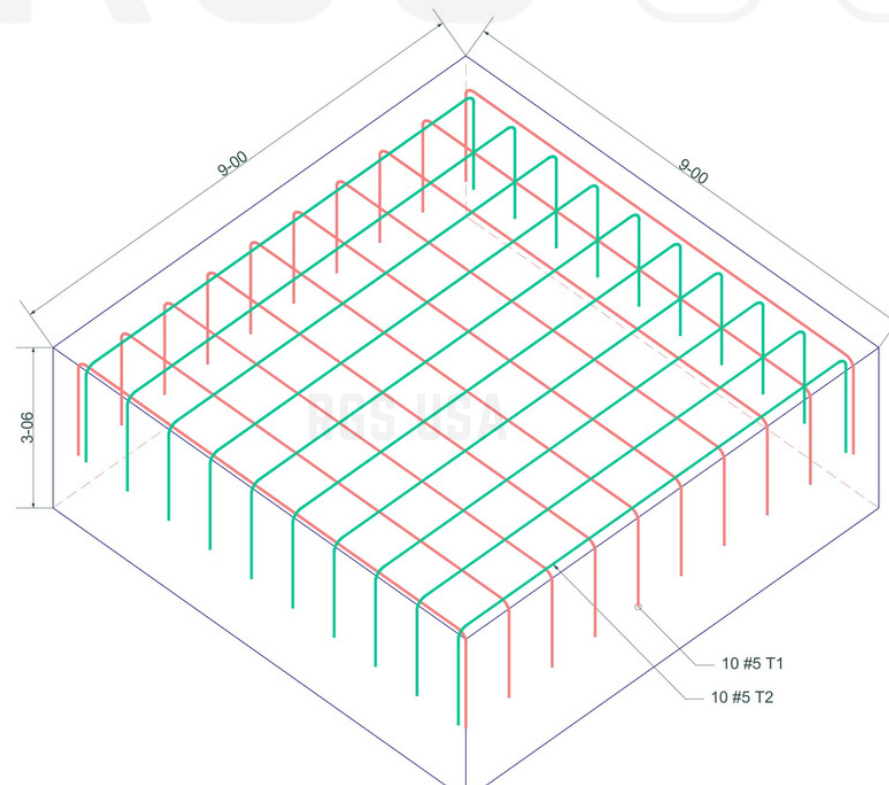
S3009, S3010, S3011 (06/02/17).

DRAWING REFERENCE :

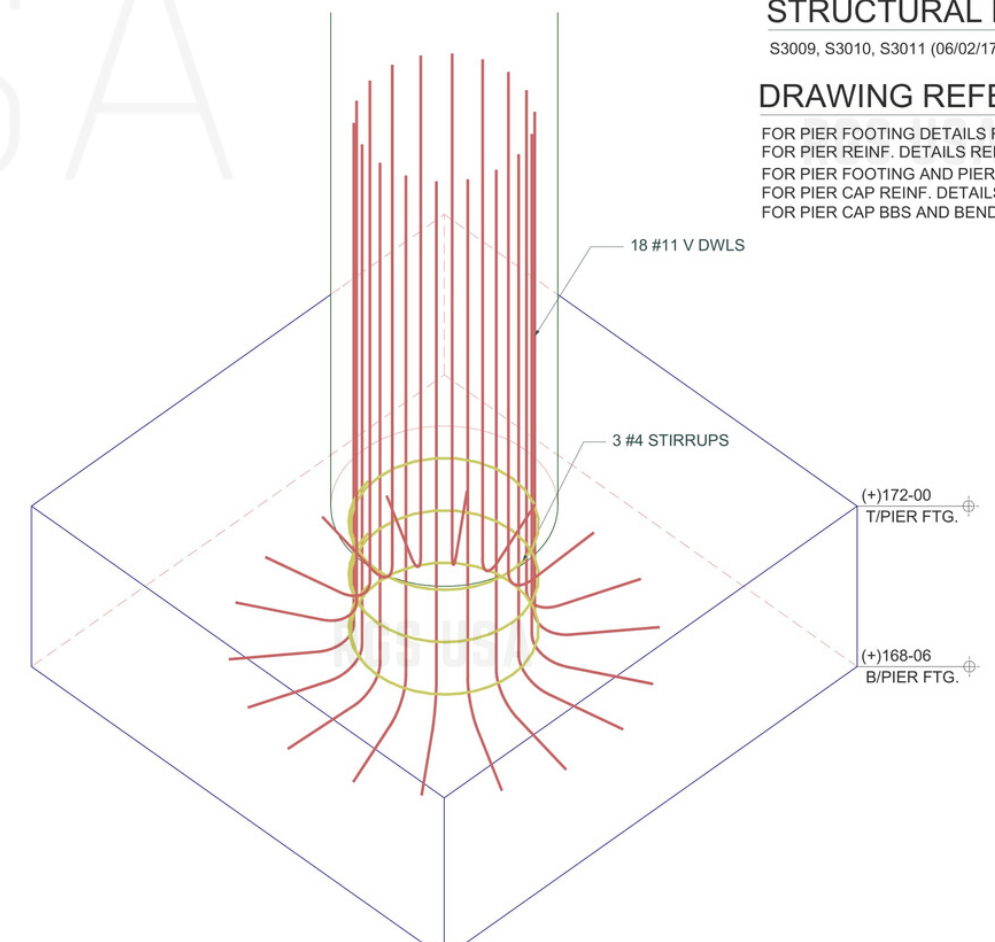
FOR PIER FOOTING DETAILS REFER: RP-01
 FOR PIER REINF. DETAILS REFER: RP-02
 FOR PIER FOOTING AND PIER BBS REFER: RP-02
 FOR PIER CAP REINF. DETAILS REFER: RP-03 THRU RP-04
 FOR PIER CAP BBS AND BEND SHAPES REFER: RP-05



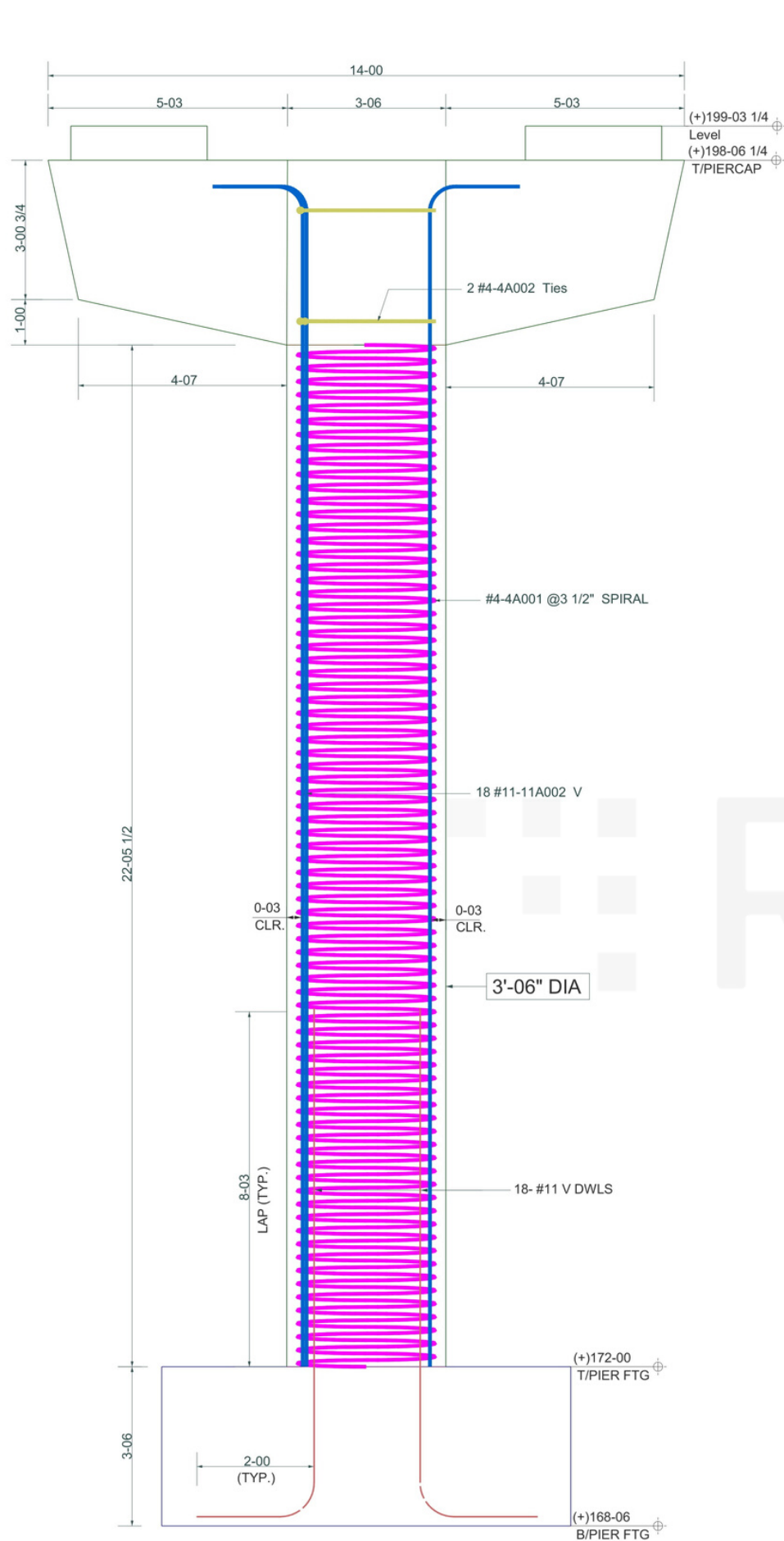
ISOMETRIC VIEW OF PIER FOOTING
BOTTOM BAR & STANDEE REINFORCEMENT



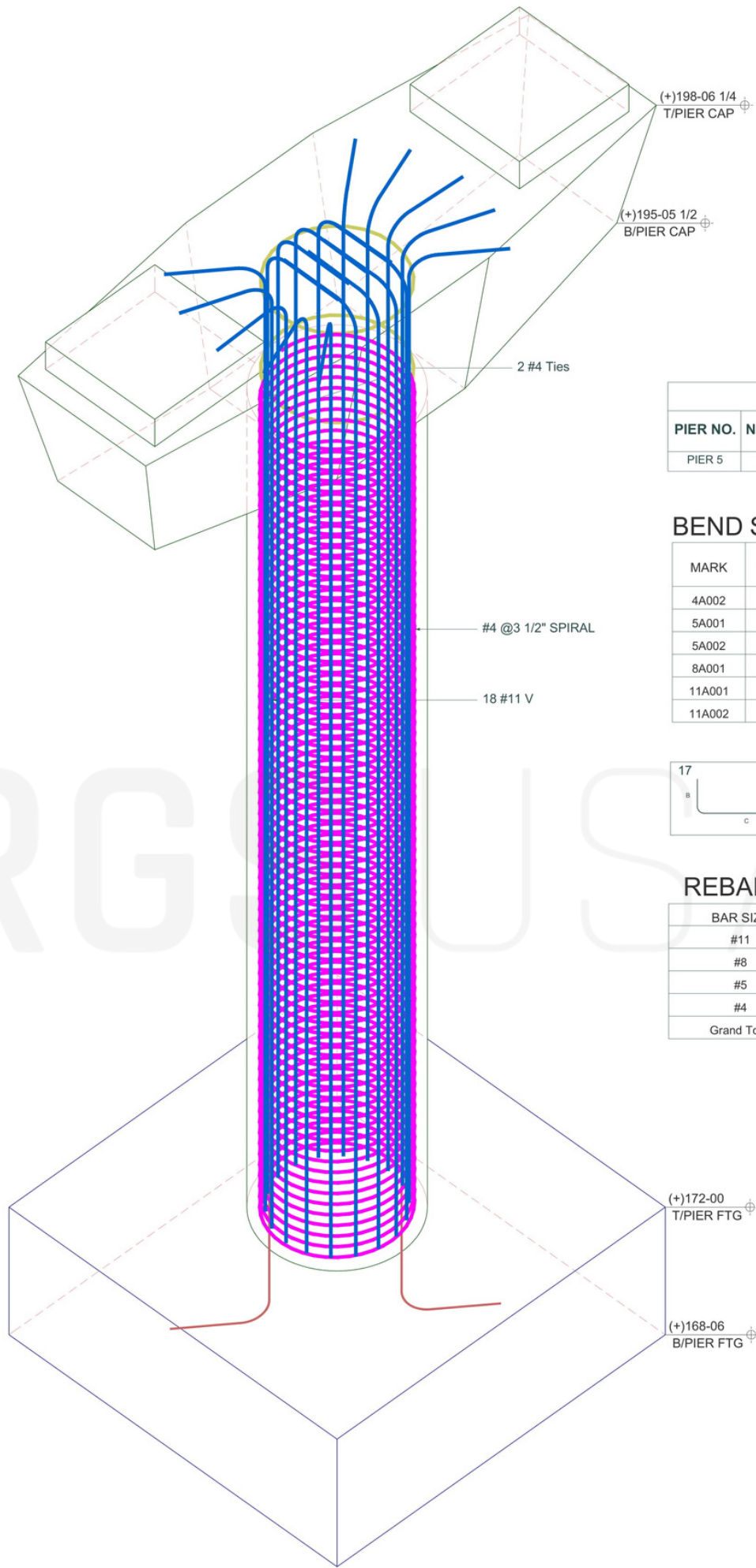
ISOMETRIC VIEW OF PIER FOOTING
TOP REINFORCEMENT



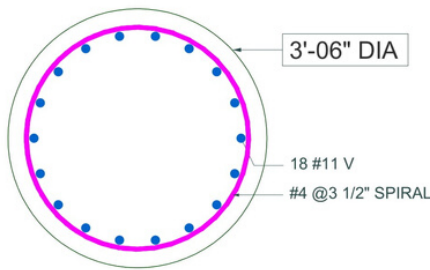
ISOMETRIC VIEW OF PIER FOOTING
PIER DOWELS



REINFORCEMENT DETAILS OF PIER
PIER LOCATION-5
REF : S3010 (06/02/17).



ISOMETRIC VIEW OF PIER

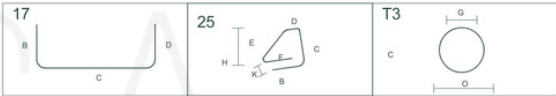


TYPICAL SECTION AT PIER

PIER COLUMN SPIRALS								
PIER NO.	NO. REQ'S	MARK	BAR SIZE	GRADE	HEIGHT (FT.)	DIAMETER (FT.)	PITCH (INCH)	EXTRA TURNS
PIER 5	1	4A001	#4	A955/60	22-05	3-00	3.5	1 1/2 T & B

BEND SCHEDULE

MARK	SIZE	QTY	SHAPE	A	B	C	D	E	F	G	H	J	K	O	R
4A002	#4	5	T3							2-06				3-00	
5A001	#5	20	17		2-0	8-06	2-0								
5A002	#5	9	25		1-06	2-10	0-10	2-10	1-06		2-09		1-04 1/2		
8A001	#8	28	17		2-09	8-06	2-09								
11A001	#11	18	17		2-00	11-06									
11A002	#11	18	17		2-00	26-00									



REBAR WEIGHT SUMMARY

BAR SIZE	GRADE USED	NUMBER OF BARS	WEIGHT (LBS)
#11	A955-60	36	3968.81
#8	A955-60	28	1046.64
#5	A955-60	35	403.12
#4	A955-60	6	485.00
Grand Total		105	5903.58

LEGEND

THK	THICKNESS
FTG	FOOTING
B1	BOTTOM 1st LAYER
B2	BOTTOM 2nd LAYER
T1	TOP 1st LAYER
T2	TOP 2nd LAYER
REINF.	REINFORCEMENT
CLR.	CLEAR
DWLS	DOWELS
V	VERTICAL
MIN.	MINIMUM
SF	SIDE FACE
EF	EACH FACE

COVER DETAILS

PIER CAP :
ALL SIDES : 2"
PIER :
TOP : 3"
SIDE : 3"

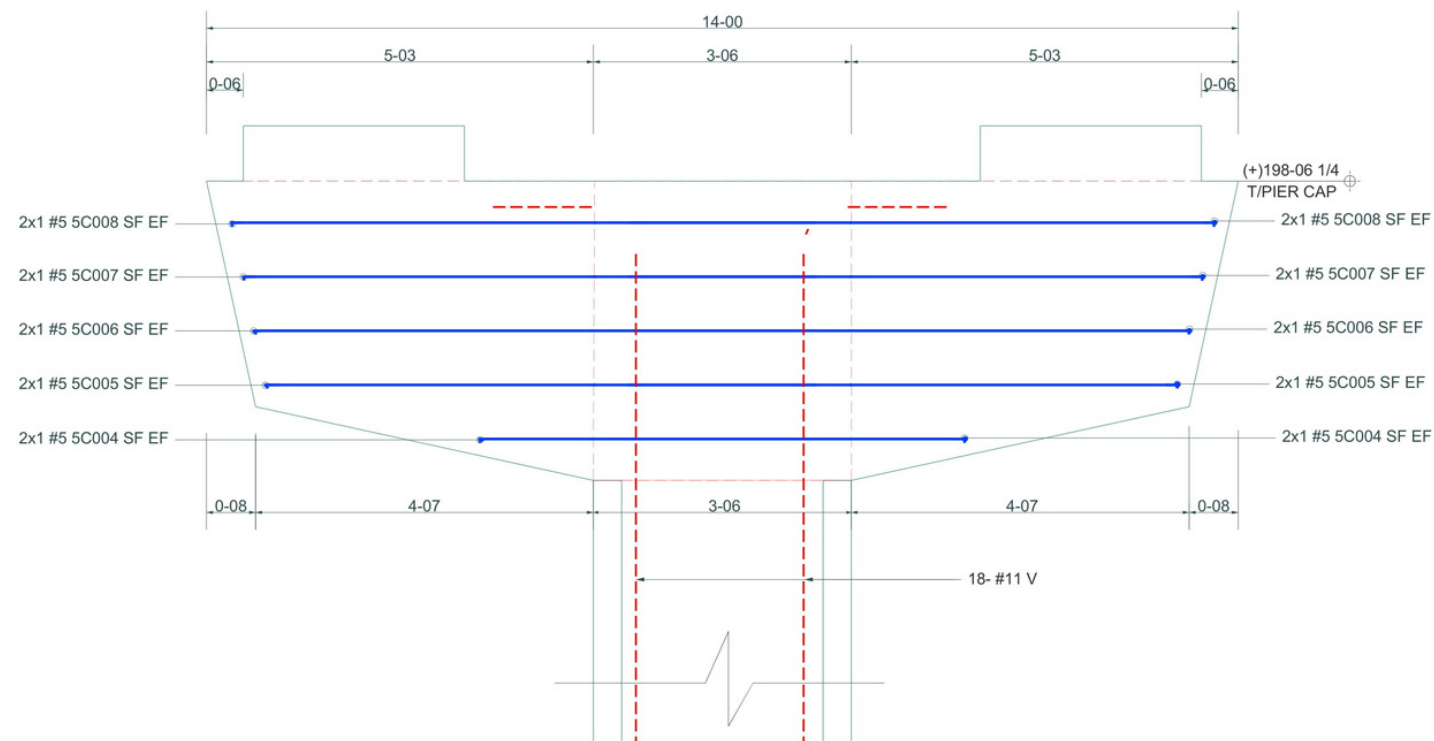
ALL MATERIAL ON THIS DRAWING
SHALL BE ASTM A955 GRADE 60
"STAINLESS" (60S)

STRUCTURAL REFERENCE :

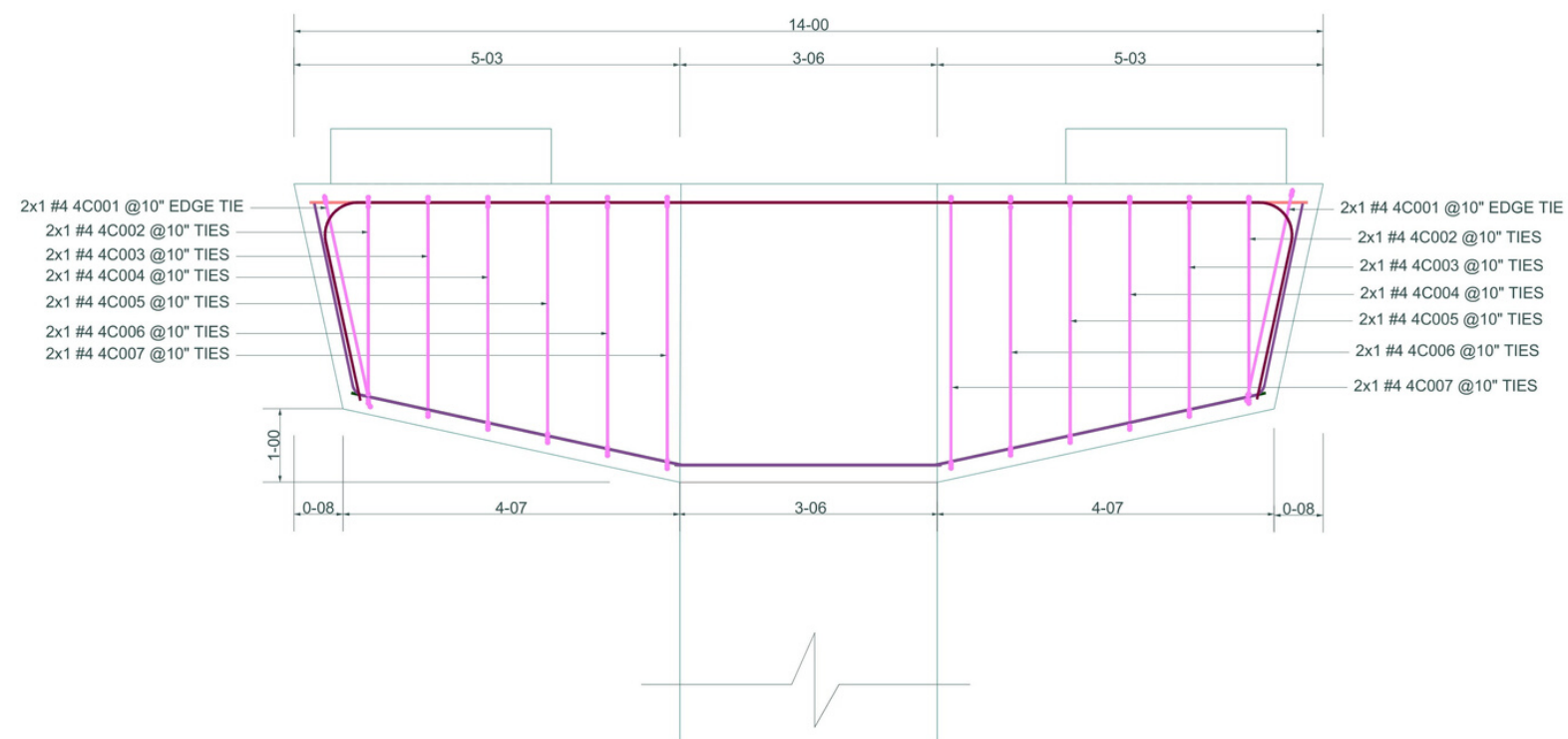
S3009, S3010, S3011 (06/02/17).

DRAWING REFERENCE :

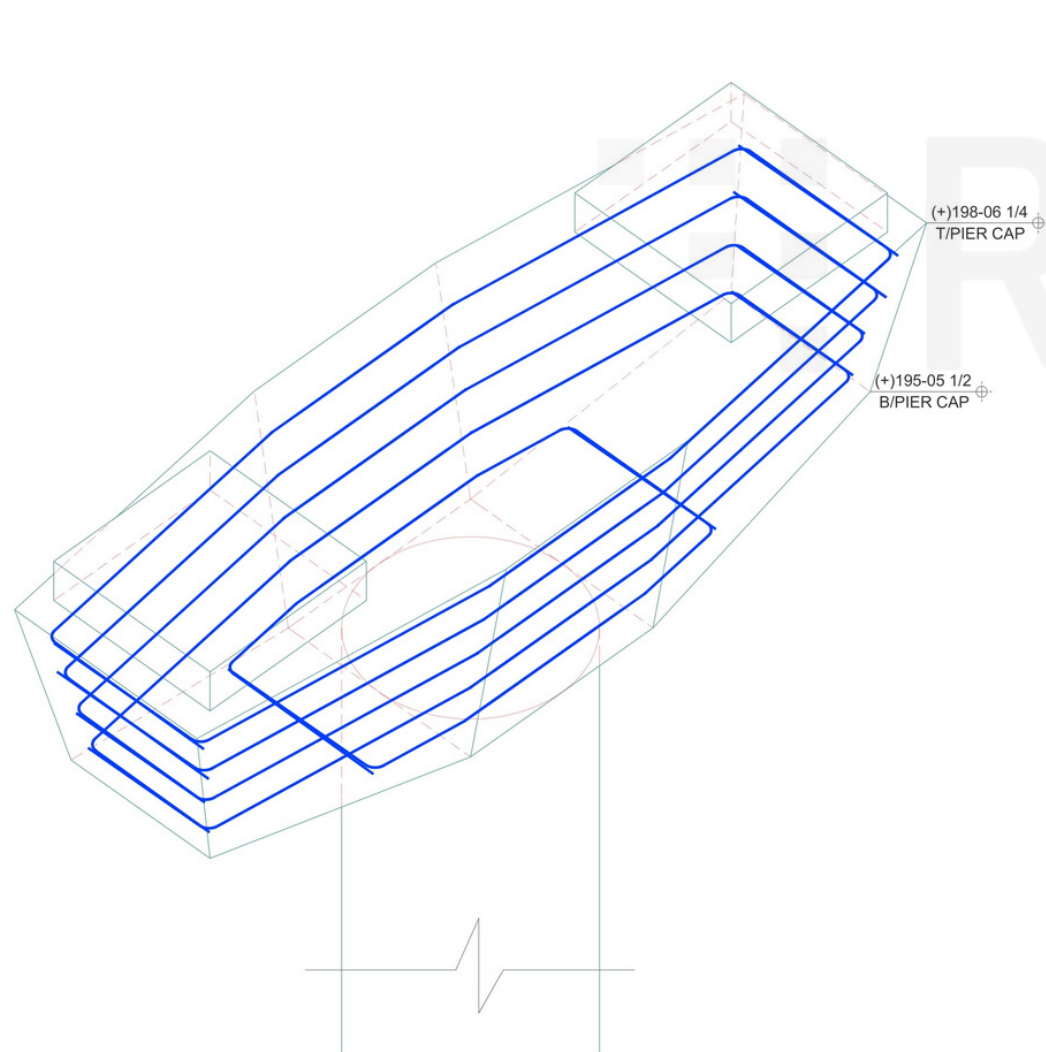
FOR PIER FOOTING DETAILS REFER: RP-01
FOR PIER REINF. DETAILS REFER: RP-02
FOR PIER FOOTING AND PIER BBS REFER: RP-02
FOR PIER CAP REINF. DETAILS REFER: RP-03 THRU RP-04
FOR PIER CAP BBS AND BEND SHAPES REFER: RP-05



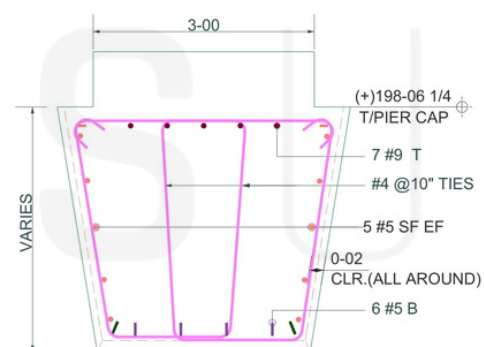
REINFORCEMENT DETAILS OF SIDE FACE BAR



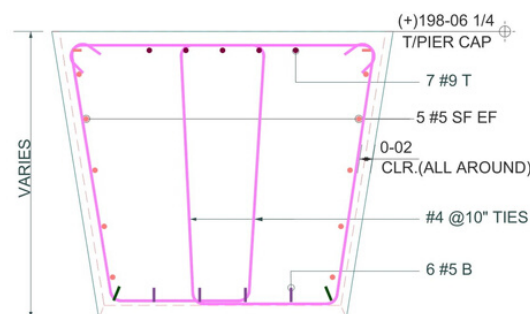
REINFORCEMENT DETAILS OF TIES



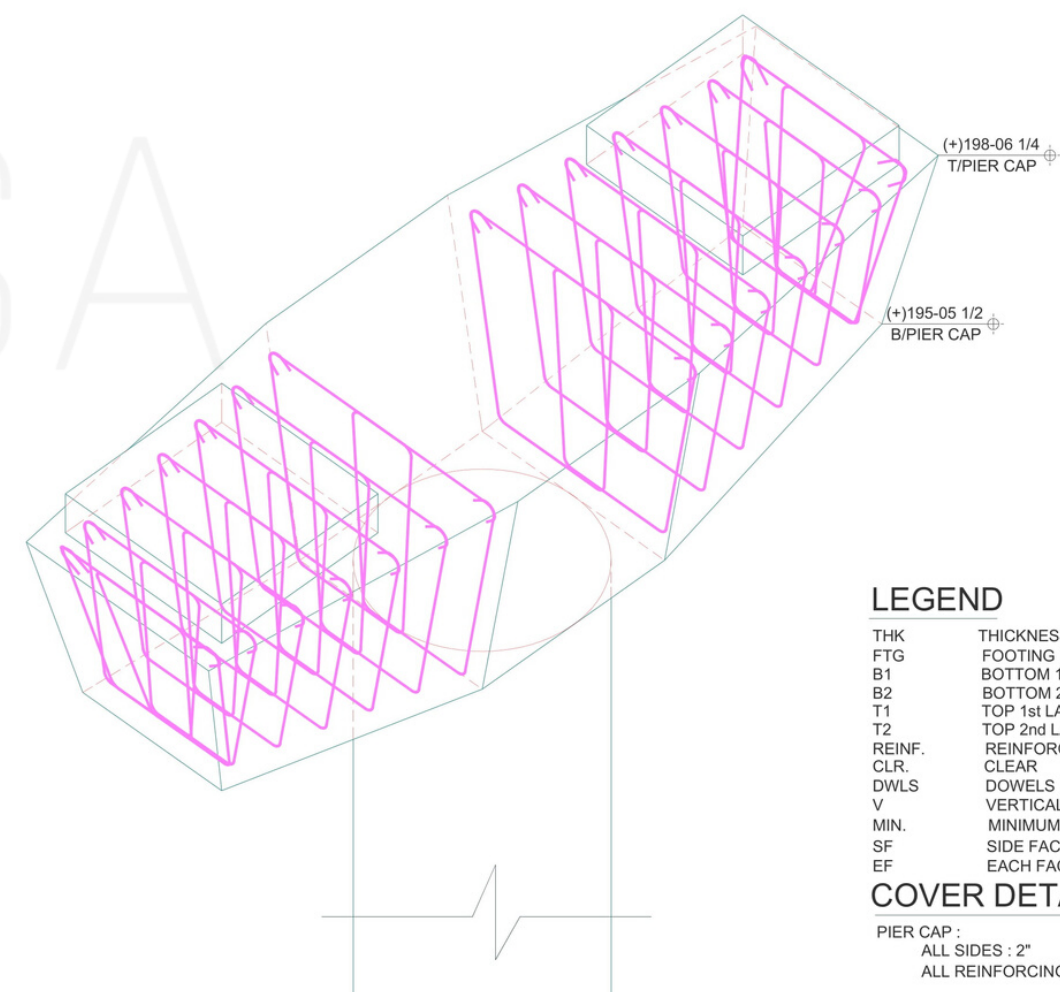
ISOMETRIC VIEW OF SIDE FACE BAR IN PIER CAP



SECTION 1



SECTION 2



ISOMETRIC VIEW OF TIES IN PIER CAP

LEGEND

THK	THICKNESS
FTG	FOOTING
B1	BOTTOM 1st LAYER
B2	BOTTOM 2nd LAYER
T1	TOP 1st LAYER
T2	TOP 2nd LAYER
REINF.	REINFORCEMENT
CLR.	CLEAR
DWLS	DOWELS
V	VERTICAL
MIN.	MINIMUM
SF	SIDE FACE
EF	EACH FACE

COVER DETAILS

PIER CAP :
ALL SIDES : 2"
ALL REINFORCING = STAINLESS

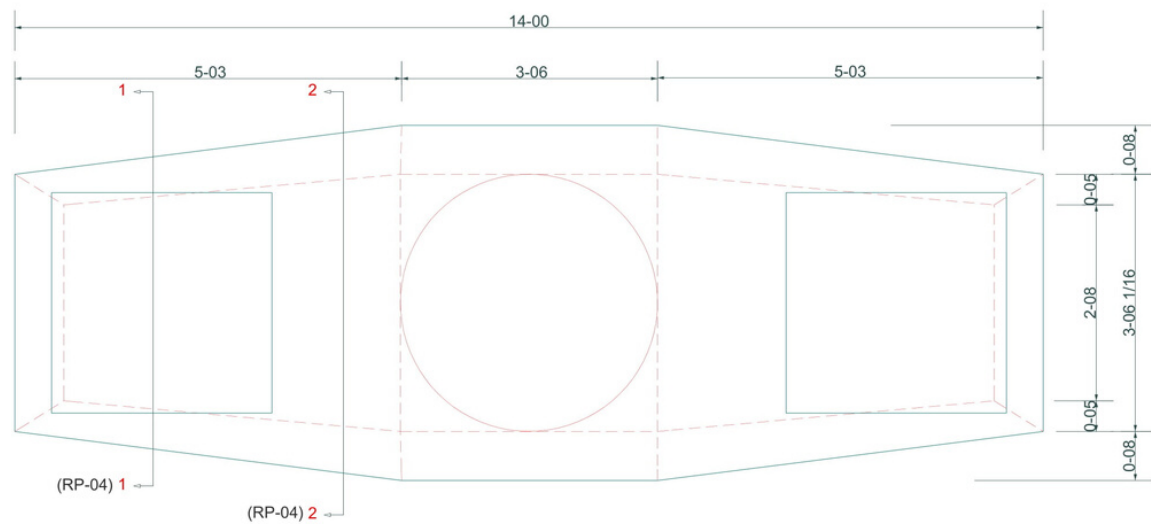
ALL MATERIAL ON THIS DRAWING
SHALL BE ASTM A955 GRADE 60
"STAINLESS" (60S)

STRUCTURAL REFERENCE :

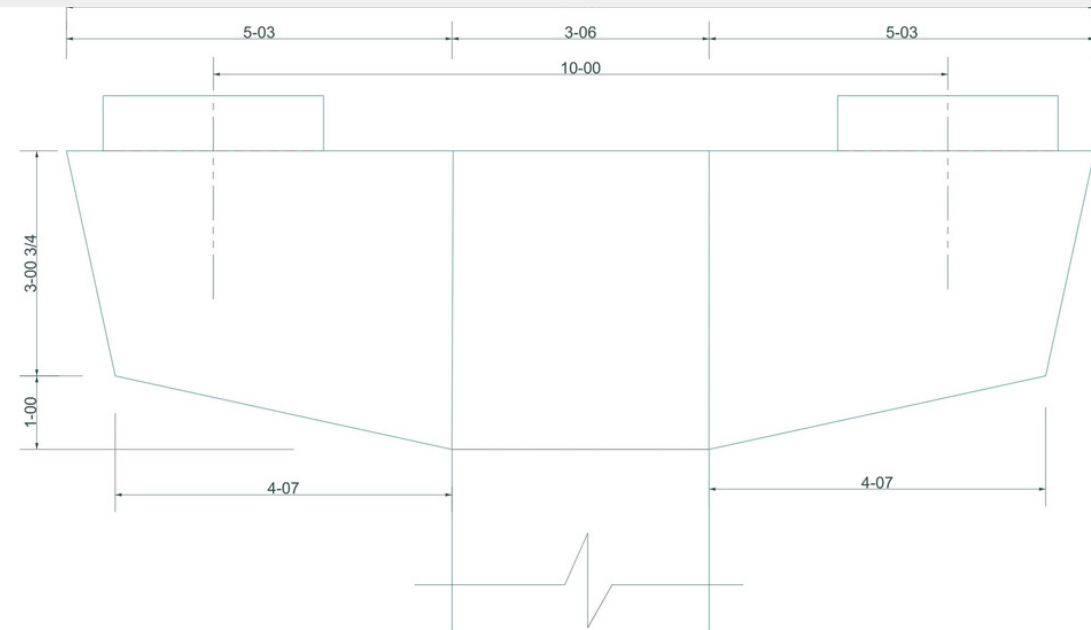
S3009, S3010, S3011 (06/02/17).

DRAWING REFERENCE :

FOR PIER FOOTING DETAILS REFER: RP-01
FOR PIER REINF. DETAILS REFER: RP-02
FOR PIER FOOTING AND PIER BBS REFER: RP-02
FOR PIER CAP REINF. DETAILS REFER: RP-03 THRU RP-04
FOR PIER CAP BBS AND BEND SHAPES REFER: RP-05



PIER CAP FRAMING PLAN
REF : S3009 (06/02/17).



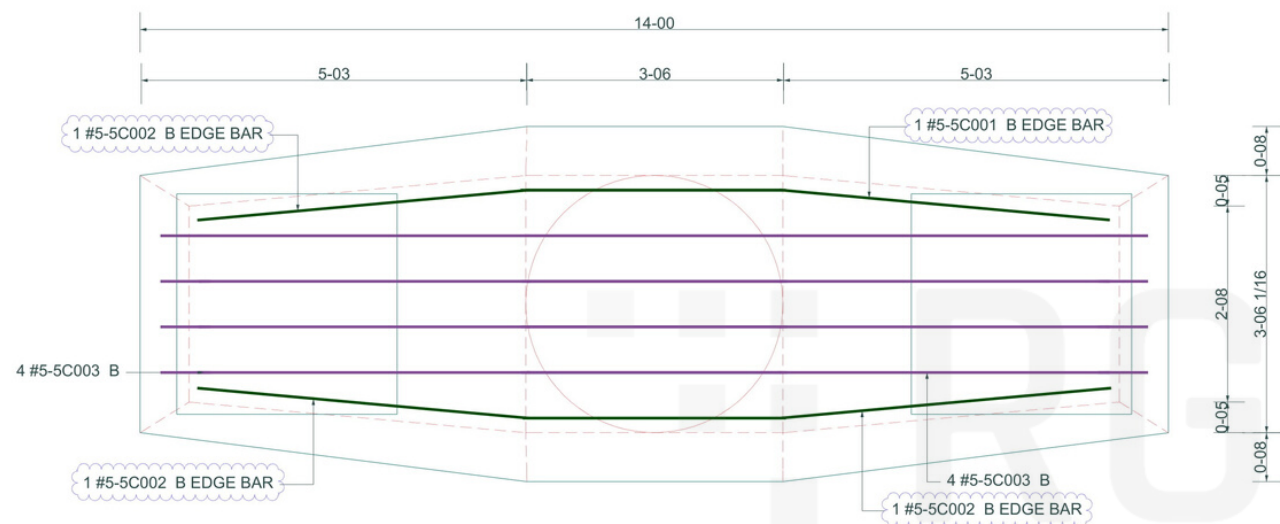
PIERCAP ELEVATION

LEGEND

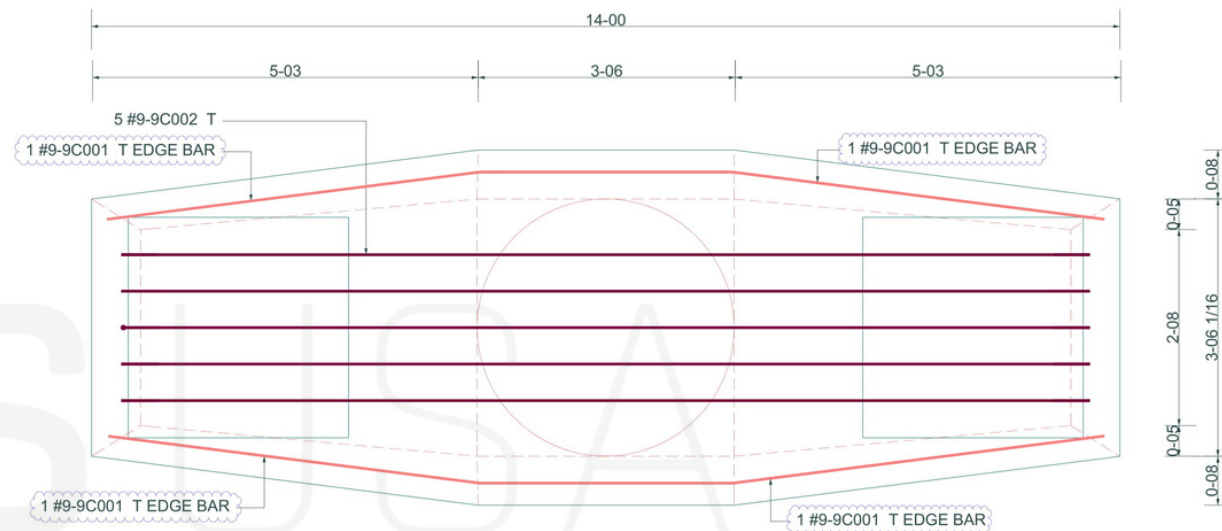
THK	THICKNESS
FTG	FOOTING
B1	BOTTOM 1st LAYER
B2	BOTTOM 2nd LAYER
T1	TOP 1st LAYER
T2	TOP 2nd LAYER
REINF.	REINFORCEMENT
CLR.	CLEAR
DWLS	DOWELS
V	VERTICAL
MIN.	MINIMUM
SF	SIDE FACE
EF	EACH FACE

COVER DETAILS

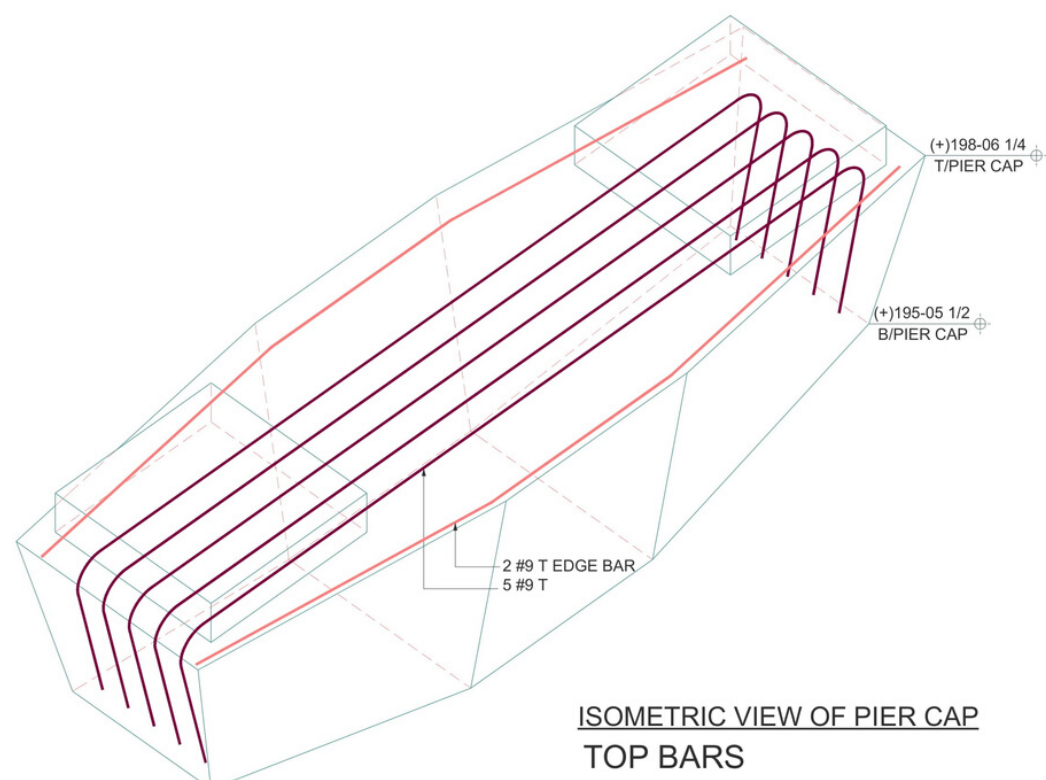
PIER CAP :
ALL SIDES : 2"
ALL REINFORCING = STAINLESS



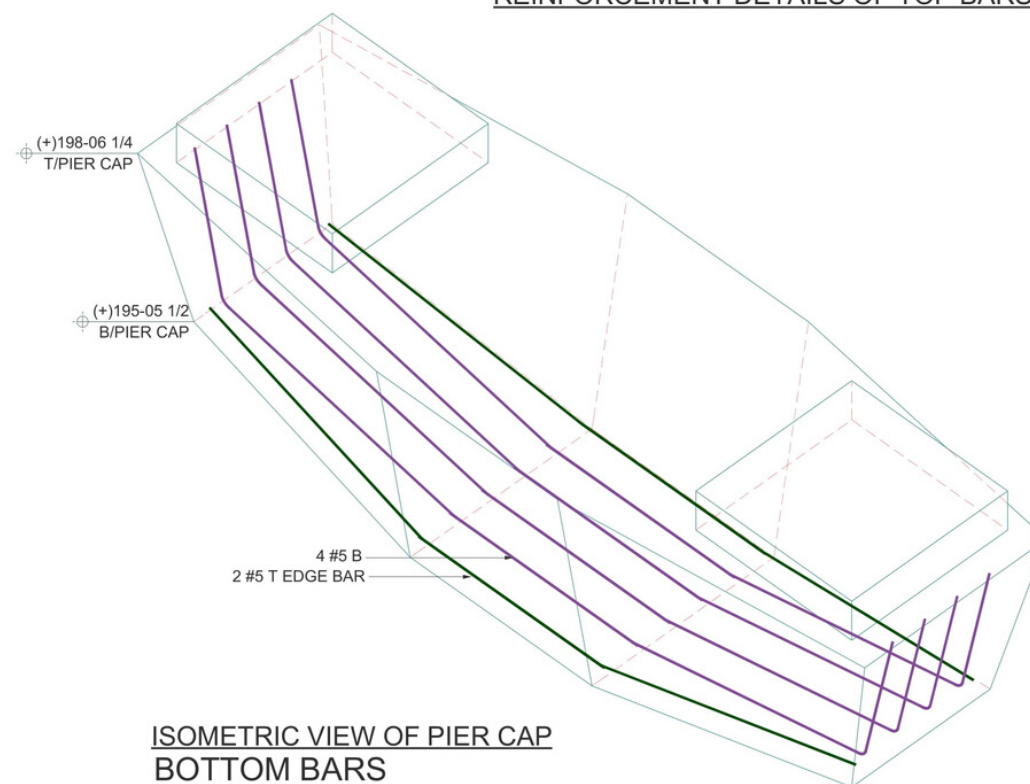
REINFORCEMENT DETAILS OF BOTTOM BARS



REINFORCEMENT DETAILS OF TOP BARS



**ISOMETRIC VIEW OF PIER CAP
TOP BARS**



**ISOMETRIC VIEW OF PIER CAP
BOTTOM BARS**

A/E VERIFY :
EDGE BAR DETAILS FOLLOWED

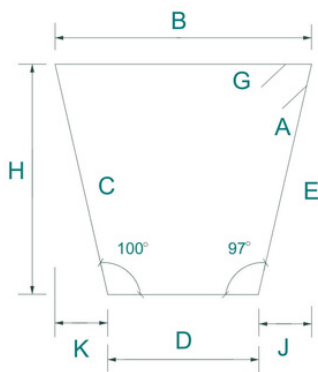
ALL MATERIAL ON THIS DRAWING
SHALL BE ASTM A955 GRADE 60
"STAINLESS" (60S)

STRUCTURAL REFERENCE :

S3009, S3010, S3011 (06/02/17).

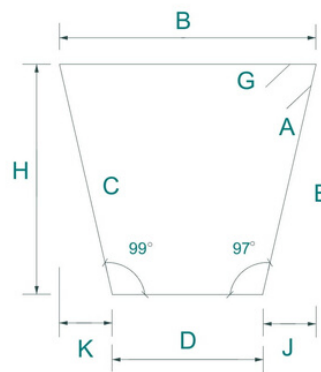
DRAWING REFERENCE :

FOR PIER FOOTING DETAILS REFER: RP-01
FOR PIER REINF. DETAILS REFER: RP-02
FOR PIER FOOTING AND PIER BBS REFER: RP-02
FOR PIER CAP REINF. DETAILS REFER: RP-03 THRU RP-04
FOR PIER CAP BBS AND BEND SHAPES REFER: RP-05



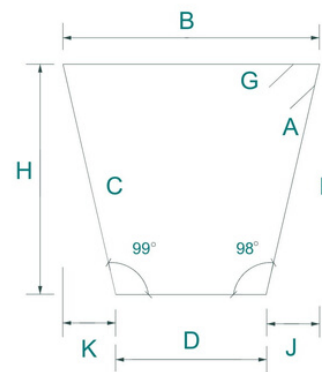
B = 3'-00 1/2"
C = 3'-09"
D = 1'-11 1/2"
E = 3'-08 3/4"
H = 3'-08 1/2"
A = 0'-04 1/2"
G = 0'-04 1/2"
K = 0'-07 1/2"
J = 0'-05 1/2"

SPECIAL BEND 'TS'
BAR MARK 4C007



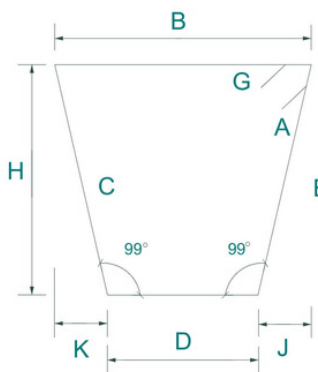
B = 2'-11"
C = 3'-06 1/2"
D = 1'-10 1/2"
E = 3'-06 1/2"
H = 3'-06"
A = 0'-04 1/2"
G = 0'-04 1/2"
K = 0'-07"
J = 0'-05 1/2"

SPECIAL BEND 'TS'
BAR MARK 4C006



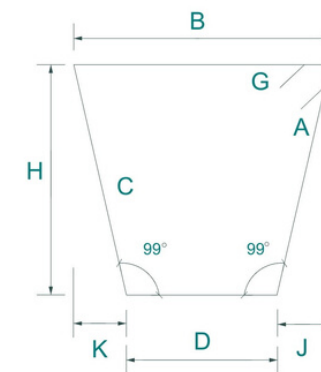
B = 2'-10"
C = 3'-04 1/2"
D = 1'-09 1/2"
E = 3'-04 1/2"
H = 3'-04"
A = 0'-04 1/2"
G = 0'-04 1/2"
K = 0'-06 1/2"
J = 0'-06"

SPECIAL BEND 'TS'
BAR MARK 4C005



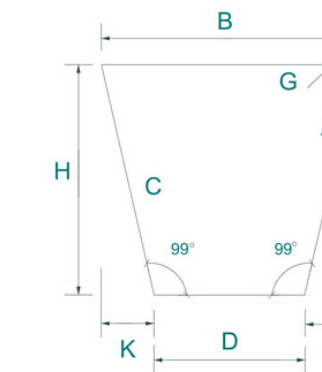
B = 2'-8 1/2"
C = 3'-02 1/2"
D = 1'-08 1/2"
E = 3'-02 1/2"
H = 3'-02"
A = 0'-04 1/2"
G = 0'-04 1/2"
K = 0'-06"
J = 0'-06"

SPECIAL BEND 'TS'
BAR MARK 4C004



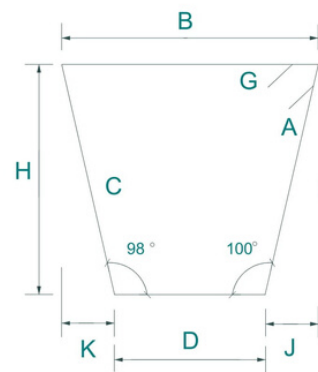
B = 2'-07 1/2"
C = 3'-00"
D = 1'-07 1/2"
E = 3'-00"
H = 2'-11 1/2"
A = 0'-04 1/2"
G = 0'-04 1/2"
K = 0'-06"
J = 0'-06"

SPECIAL BEND 'TS'
BAR MARK 4C003



B = 2'-06"
C = 2'-10"
D = 1'-06 1/2"
E = 2'-10"
H = 2'-11 1/2"
A = 0'-04 1/2"
G = 0'-04 1/2"
K = 0'-05 1/2"
J = 0'-06"

SPECIAL BEND 'TS'
BAR MARK 4C002



B = 2'-05"
C = 2'-10 1/4"
D = 1'-06 1/2"
E = 2'-10 1/2"
H = 2'-10"
A = 0'-04 1/2"
G = 0'-04 1/2"
K = 0'-04 1/2"
J = 0'-06"

SPECIAL BEND 'TS'
BAR MARK 4C001

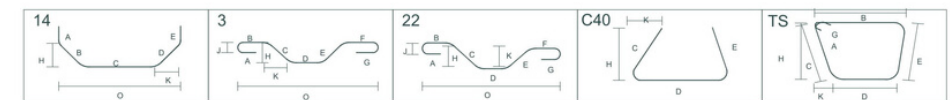


B = 2'-09"
C = 13'-06"
D = 2'-09"
E = 2'-09"
H = 2'-09"
K = 0'-07"

SPECIAL BEND 'C40'
BAR MARK 9C002

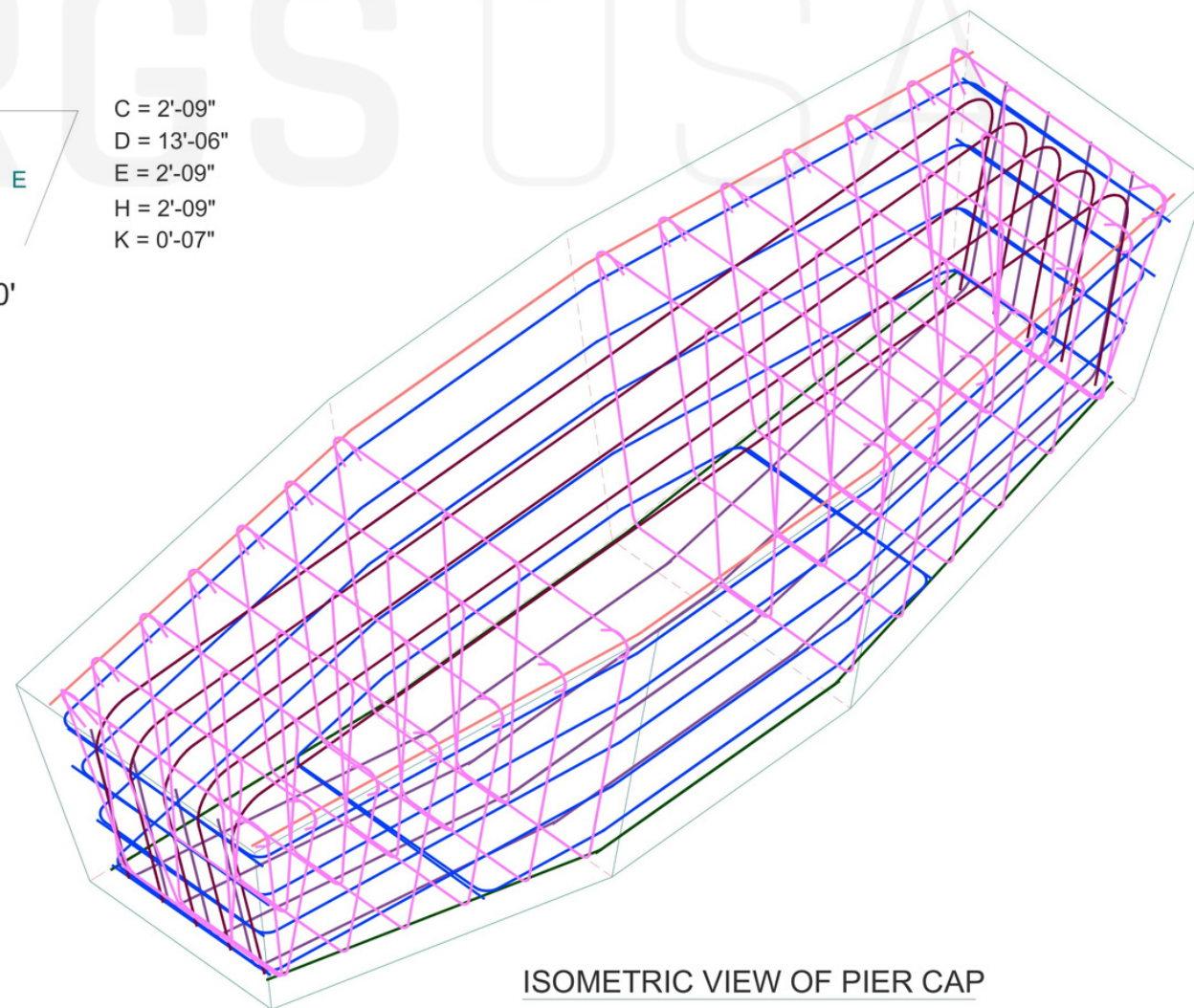
BEND SCHEDULE

MARK	SIZE	QTY	SHAPE	A	B	C	D	E	F	G	H	J	K	O	R
4C001	#4	4	TS	0-04 1/2	2-05	2-10 1/4	1-06 1/2	2-10 1/2		0-04 1/2	2-10	0-06	0-04 1/2		
4C002	#4	4	TS	0-04 1/2	2-06	2-10	1-06 1/2	2-10		0-04 1/2	2-09 1/2	0-06	0-05 1/2		
4C003	#4	4	TS	0-04 1/2	2-07 1/2	3-00	1-07 1/2	3-00		0-04 1/2	2-11 1/2	0-06	0-06		
4C004	#4	4	TS	0-04 1/2	2-08 1/2	3-02 1/2	1-08 1/2	3-02 1/2		0-04 1/2	3-02	0-06	0-06		
4C005	#4	4	TS	0-04 1/2	2-10	3-04 1/2	1-09 1/2	3-04 1/2		0-04 1/2	3-04	0-06	0-06 1/2		
4C006	#4	4	TS	0-04 1/2	2-11	3-06 1/2	1-10 1/2	3-06 1/2		0-04 1/2	3-06	0-05 1/2	0-07		
4C007	#4	4	TS	0-04 1/2	3-00 1/2	3-09	1-11 1/2	3-08 3/4		0-04 1/2	3-08 1/2	0-05 1/2	0-07 1/2		
5C001	#5	1	3		4-07	3-06 1/2					0-10 1/4		3-05 1/4	8-00 1/4	
5C002	#5	3	3		4-07 1/4	3-06 1/4					0-10 1/4		3-05	8-00 1/4	
5C003	#5	8	22			2-08	4-06 3/4	3-06 1/4			2-05 1/2		0-09 1/2	9-01	
5C004	#5	4	14	3-00	1-07	2-10					0-03		1-06 3/4	4-04 3/4	
5C005	#5	4	14	3-00	4-06	2-04					0-09		4-05 1/4	6-09 1/4	
5C006	#5	4	14	3-00	4-08	2-06					0-09		4-07 1/4	7-01 1/4	
5C007	#5	4	14	3-00	4-10	2-10					0-09 1/4		4-09 1/4	7-07 1/4	
5C008	#5	4	14	3-00	5-00	3-00					0-09 1/2		4-11 1/4	7-11 1/4	
9C001	#9	4	3		5-01	3-04 1/2					0-06 1/4		3-04	8-05	
9C002	#9	5	C40			2-09	13-05	2-09			2-09		0-07		



REBAR WEIGHT SUMMARY

BAR SIZE	GRADE USED	NUMBER OF BARS	WEIGHT (LBS)
#9	A955-60	9	436.62
#5	A955-60	32	328.37
#4	A955-60	28	217.66
Grand Total		69	982.65



ISOMETRIC VIEW OF PIER CAP

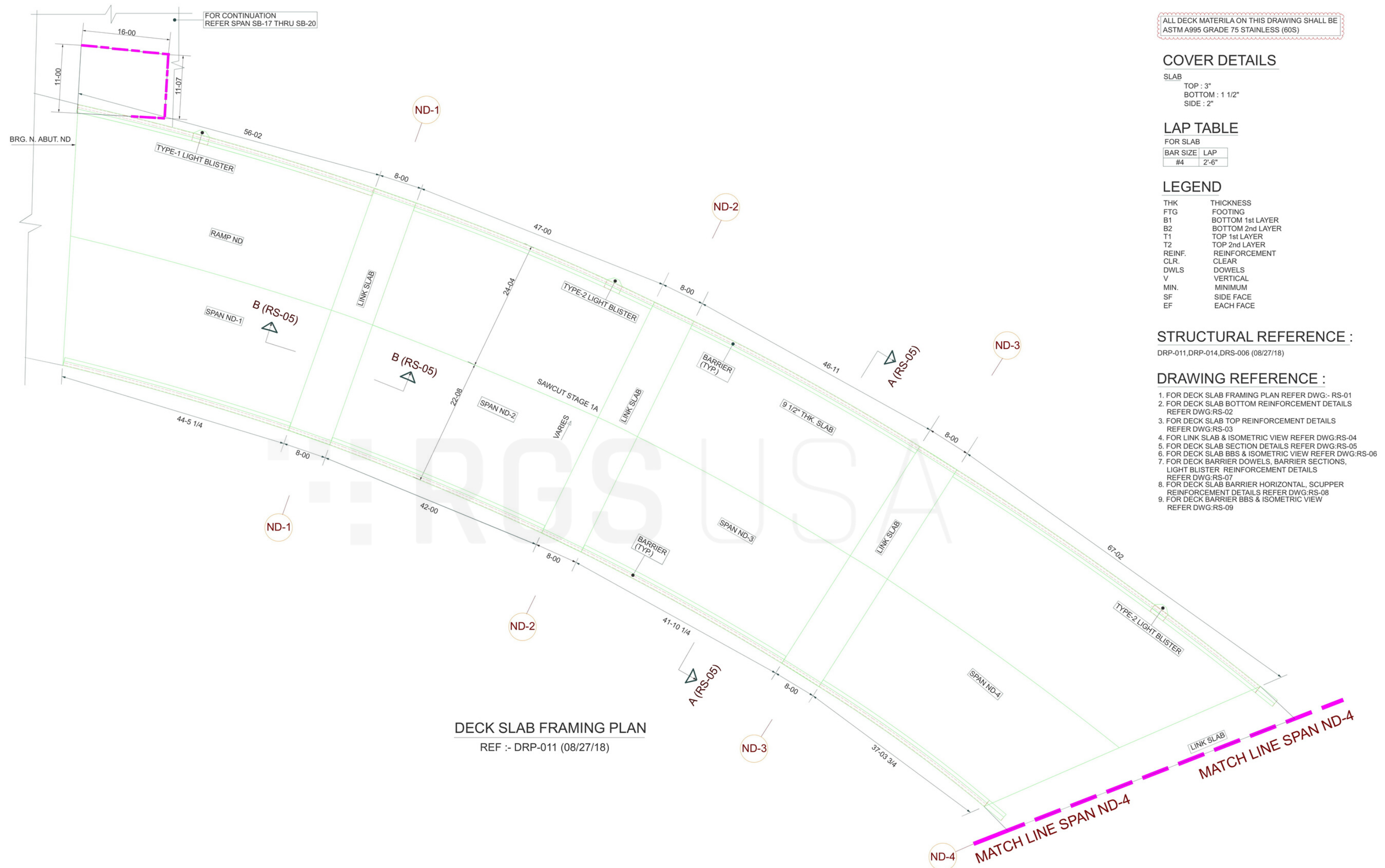
ALL MATERIAL ON THIS DRAWING
SHALL BE ASTM A955 GRADE 60
"STAINLESS" (60S)

STRUCTURAL REFERENCE :

S3009, S3010, S3011 (06/02/17).

DRAWING REFERENCE :

FOR PIER FOOTING DETAILS REFER: RP-01
FOR PIER REINF. DETAILS REFER: RP-02
FOR PIER FOOTING AND PIER BBS REFER: RP-02
FOR PIER CAP REINF. DETAILS REFER: RP-03 THRU RP-04
FOR PIER CAP BBS AND BEND SHAPES REFER: RP-05



ALL DECK MATERILA ON THIS DRAWING SHALL BE
ASTM A995 GRADE 75 STAINLESS (60S)

COVER DETAILS

SLAB
TOP : 3"
BOTTOM : 1 1/2"
SIDE : 2"

LAP TABLE

FOR SLAB

BAR SIZE	LAP
#4	2'-6"

LEGEND

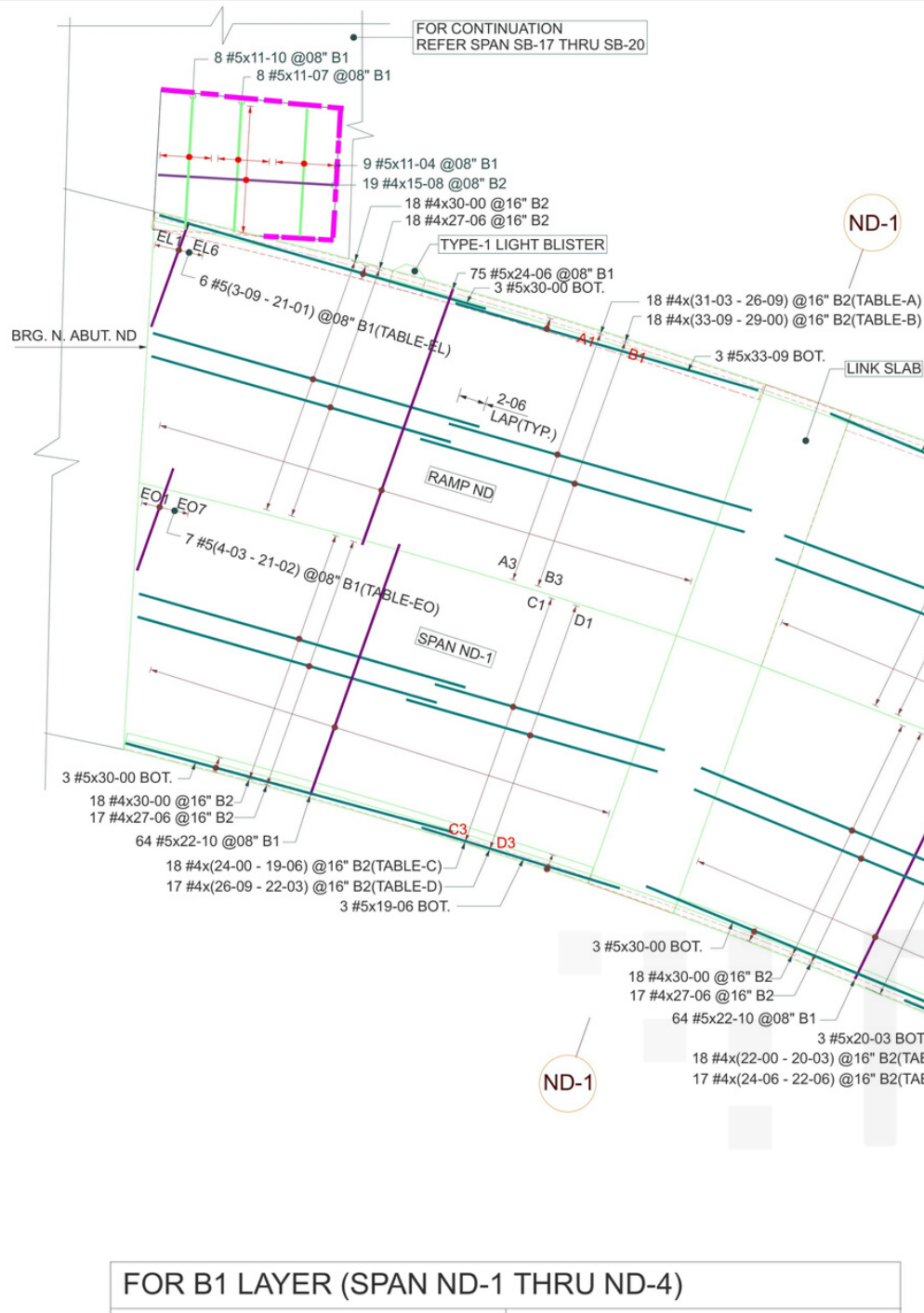
THK	THICKNESS
FTG	FOOTING
B1	BOTTOM 1st LAYER
B2	BOTTOM 2nd LAYER
T1	TOP 1st LAYER
T2	TOP 2nd LAYER
REINF.	REINFORCEMENT
CLR.	CLEAR
DWLS	DOWELS
V	VERTICAL
MIN.	MINIMUM
SF	SIDE FACE
EF	EACH FACE

STRUCTURAL REFERENCE :

DRP-011,DRP-014,DRS-006 (08/27/18)

DRAWING REFERENCE :

1. FOR DECK SLAB FRAMING PLAN REFER DWG:- RS-01
2. FOR DECK SLAB BOTTOM REINFORCEMENT DETAILS REFER DWG:RS-02
3. FOR DECK SLAB TOP REINFORCEMENT DETAILS REFER DWG:RS-03
4. FOR LINK SLAB & ISOMETRIC VIEW REFER DWG:RS-04
5. FOR DECK SLAB SECTION DETAILS REFER DWG:RS-05
6. FOR DECK SLAB BBS & ISOMETRIC VIEW REFER DWG:RS-06
7. FOR DECK BARRIER DOWELS, BARRIER SECTIONS, LIGHT BLISTER REINFORCEMENT DETAILS REFER DWG:RS-07
8. FOR DECK SLAB BARRIER HORIZONTAL, SCUPPER REINFORCEMENT DETAILS REFER DWG:RS-08
9. FOR DECK BARRIER BBS & ISOMETRIC VIEW REFER DWG:RS-09



FOR B1 LAYER (SPAN ND-1 THRU ND-4)

LAP WITH 30'-00"				LAP WITH 27'-06"			
TABLE-A (ND-1)		TABLE-C (ND-1)		TABLE-B (ND-1)		TABLE-D (ND-1)	
A1	6 #4x31-03 @16" B2	C1	6 #4x24-00 @16" B2	B1	6 #4x33-09 @16" B2	D1	6 #4x26-09 @16" B2
A2	6 #4x29-00 @16" B2	C2	6 #4x21-06 @16" B2	B2	6 #4x31-06 @16" B2	D2	6 #4x24-06 @16" B2
A3	6 #4x26-09 @16" B2	C3	6 #4x19-06 @16" B2	B3	6 #4x29-00 @16" B2	D3	5 #4x22-03 @16" B2
TABLE-E (ND-2)		TABLE-G (ND-2)		TABLE-F (ND-2)		TABLE-H (ND-2)	
E1	6 #4x24-09 @16" B2	G1	6 #4x22-00 @16" B2	F1	6 #4x27-03 @16" B2	H1	6 #4x24-06 @16" B2
E2	6 #4x23-09 @16" B2	G2	6 #4x21-00 @16" B2	F2	6 #4x26-03 @16" B2	H2	6 #4x23-06 @16" B2
E3	6 #4x23-00 @16" B2	G3	6 #4x20-03 @16" B2	F3	6 #4x25-03 @16" B2	H3	5 #4x22-06 @16" B2
TABLE-I (ND-3)		TABLE-K (ND-3)		TABLE-J (ND-3)		TABLE-L (ND-3)	
I1	6 #4x24-09 @16" B2	K1	6 #4x22-00 @16" B2	J1	6 #4x27-03 @16" B2	L1	6 #4x24-06 @16" B2
I2	6 #4x23-09 @16" B2	K2	6 #4x21-03 @16" B2	J2	6 #4x26-03 @16" B2	L2	6 #4x23-06 @16" B2
I3	6 #4x23-00 @16" B2	K3	6 #4x20-03 @16" B2	J3	6 #4x25-03 @16" B2	L3	5 #4x22-09 @16" B2
TABLE-M (ND-4)		TABLE-P (ND-4)		TABLE-N (ND-4)		TABLE-Q (ND-4)	
M1	3 #4x18-09 @16" B2	P1	3 #4x30-06 @16" B2	N1	3 #4x20-09 @16" B2	Q1	3 #4x32-06 @16" B2
M2	3 #4x16-03 @16" B2	P2	3 #4x28-00 @16" B2	N2	3 #4x18-03 @16" B2	Q2	3 #4x30-00 @16" B2
M3	3 #4x13-09 @16" B2	P3	3 #4x25-03 @16" B2	N3	3 #4x15-09 @16" B2	Q3	3 #4x27-03 @16" B2
M4	3 #4x11-03 @16" B2	P4	3 #4x22-09 @16" B2	N4	3 #4x13-03 @16" B2	Q4	3 #4x24-09 @16" B2
M5	3 #4x8-09 @16" B2	P5	3 #4x20-03 @16" B2	N5	3 #4x10-09 @16" B2	Q5	3 #4x22-03 @16" B2
M6	3 #4x6-03 @16" B2	P6	3 #4x17-06 @16" B2	N6	3 #4x8-03 @16" B2	Q6	2 #4x19-06 @16" B2

FOR B1 LAYER (SPAN ND-1 THRU ND-4)

TABLE-EL (ND-1)		TABLE-EM (ND-4)		TABLE-FA (ND-4)	
EL1	1 #5x3-09 @08" B1	EM1	1 #5x22-05 @08" B1	FA1	1 #5x23-00 @08" B1
EL2	1 #5x7-03 @08" B1	EM2	1 #5x21-03 @08" B1	FA2	1 #5x21-10 @08" B1
EL3	1 #5x10-08 @08" B1	EM3	1 #5x20-01 @08" B1	FA3	1 #5x20-08 @08" B1
EL4	1 #5x14-02 @08" B1	EM4	1 #5x18-11 @08" B1	FA4	1 #5x19-07 @08" B1
EL5	1 #5x17-07 @08" B1	EM5	1 #5x17-09 @08" B1	FA5	1 #5x18-05 @08" B1
EL6	1 #5x21-01 @08" B1	EM6	1 #5x16-07 @08" B1	FA6	1 #5x17-03 @08" B1
TABLE-EO (ND-1)		TABLE-EM (ND-4)		TABLE-FA (ND-4)	
EO1	1 #5x4-03 @08" B1	EM7	1 #5x15-05 @08" B1	FA7	1 #5x16-01 @08" B1
EO2	1 #5x7-01 @08" B1	EM8	1 #5x14-03 @08" B1	FA8	1 #5x14-11 @08" B1
EO3	1 #5x9-11 @08" B1	EM9	1 #5x13-01 @08" B1	FA9	1 #5x13-09 @08" B1
EO4	1 #5x12-09 @08" B1	EM10	1 #5x11-11 @08" B1	FA10	1 #5x12-07 @08" B1
EO5	1 #5x15-06 @08" B1	EM11	1 #5x10-09 @08" B1	FA11	1 #5x11-05 @08" B1
EO6	1 #5x18-04 @08" B1	EM12	1 #5x9-07 @08" B1	FA12	1 #5x10-03 @08" B1
EO7	1 #5x21-02 @08" B1	EM13	1 #5x8-05 @08" B1	FA13	1 #5x9-01 @08" B1
		EM14	1 #5x7-03 @08" B1	FA14	1 #5x7-11 @08" B1
		EM15	1 #5x6-01 @08" B1	FA15	1 #5x6-09 @08" B1
		EM16	1 #5x4-11 @08" B1	FA16	1 #5x5-07 @08" B1
		EM17	1 #5x3-09 @08" B1	FA17	1 #5x4-05 @08" B1
				FA18	1 #5x3-03 @08" B1

ALL DECK MATERILA ON THIS DRAWING SHALL BE
ASTM A995 GRADE 75 STAINLESS (60S)

COVER DETAILS

SLAB
TOP : 3"
BOTTOM : 1 1/2"
SIDE : 2"

LAP TABLE

FOR SLAB
BAR SIZE LAP
#4 2'-6"

LEGEND

THK THICKNESS
FTG FOOTING
B1 BOTTOM 1st LAYER
B2 BOTTOM 2nd LAYER
T1 TOP 1st LAYER
T2 TOP 2nd LAYER
REINF. REINFORCEMENT
CLR. CLEAR
DWLS DOWELS
V VERTICAL
MIN. MINIMUM
SF SIDE FACE
EF EACH FACE

STRUCTURAL REFERENCE :

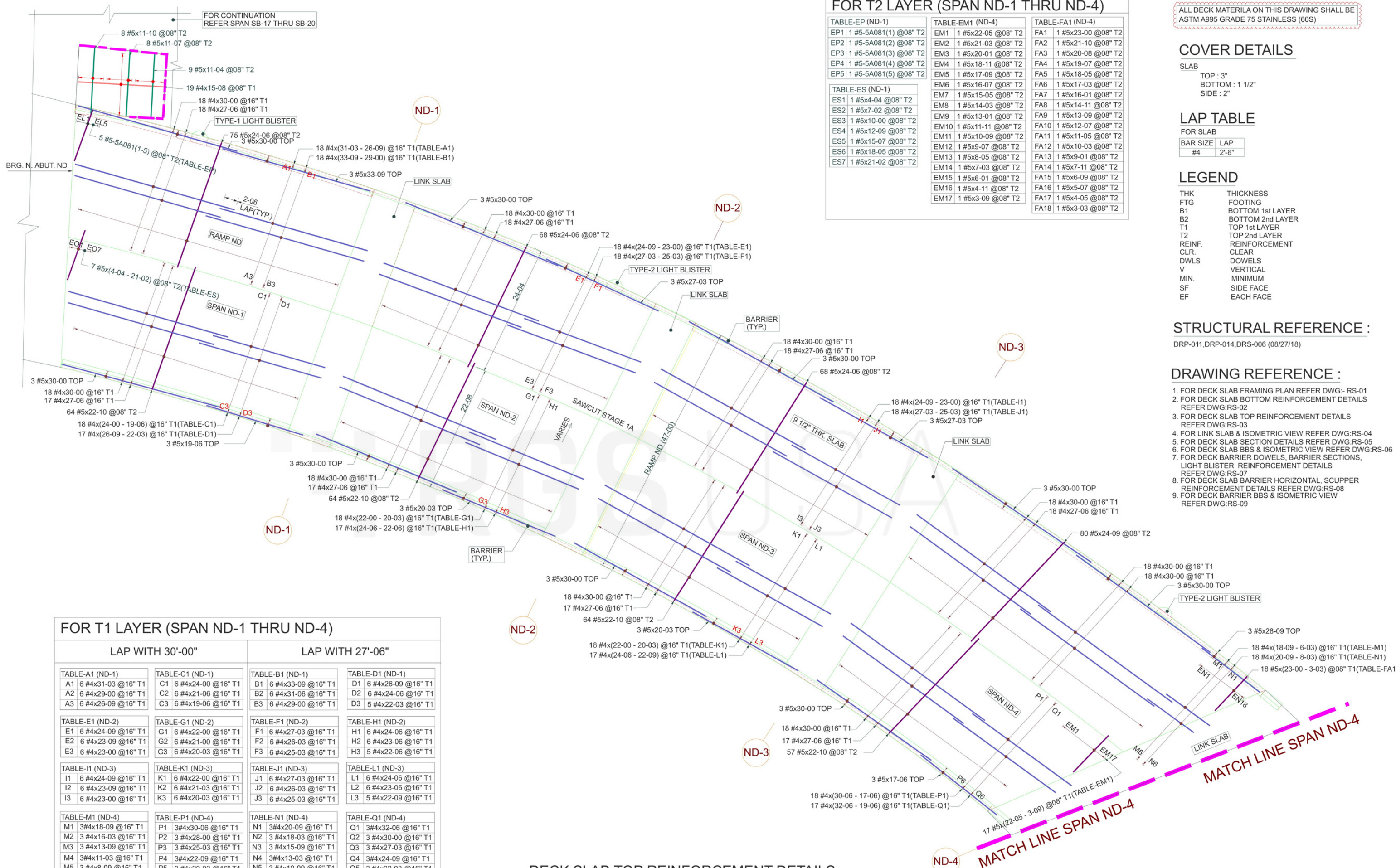
DRP-011,DRP-014,DRS-006 (08/27/18)

DRAWING REFERENCE :

- FOR DECK SLAB FRAMING PLAN REFER DWG:- RS-01
- FOR DECK SLAB BOTTOM REINFORCEMENT DETAILS REFER DWG:RS-02
- FOR DECK SLAB TOP REINFORCEMENT DETAILS REFER DWG:RS-03
- FOR LINK SLAB & ISOMETRIC VIEW REFER DWG:RS-04
- FOR DECK SLAB SECTION DETAILS REFER DWG:RS-05
- FOR DECK SLAB BBS & ISOMETRIC VIEW REFER DWG:RS-06
- FOR DECK BARRIER DOWELS, BARRIER SECTIONS, LIGHT BLISTER REINFORCEMENT DETAILS REFER DWG:RS-07
- FOR DECK SLAB BARRIER HORIZONTAL, SCUPPER REINFORCEMENT DETAILS REFER DWG:RS-08
- FOR DECK BARRIER BBS & ISOMETRIC VIEW REFER DWG:RS-09

DECK SLAB BOTTOM REINFORCEMENT DETAILS SPAN ND-1,ND-2,ND-3 & ND-4

REF: DRP-011 (08/27/18)



FOR T2 LAYER (SPAN ND-1 THRU ND-4)		
TABLE-EP (ND-1)	TABLE-EM1 (ND-4)	TABLE-FA1 (ND-4)
EP1 1 #5-5A081(1) @08" T2	EM1 1 #5x22-05 @08" T2	FA1 1 #5x23-00 @08" T2
EP2 1 #5-5A081(2) @08" T2	EM2 1 #5x21-03 @08" T2	FA2 1 #5x21-10 @08" T2
EP3 1 #5-5A081(3) @08" T2	EM3 1 #5x20-01 @08" T2	FA3 1 #5x20-08 @08" T2
EP4 1 #5-5A081(4) @08" T2	EM4 1 #5x18-11 @08" T2	FA4 1 #5x19-07 @08" T2
EP5 1 #5-5A081(5) @08" T2	EM5 1 #5x17-09 @08" T2	FA5 1 #5x18-05 @08" T2
	EM6 1 #5x16-07 @08" T2	FA6 1 #5x17-03 @08" T2
	EM7 1 #5x15-05 @08" T2	FA7 1 #5x16-01 @08" T2
	EM8 1 #5x14-03 @08" T2	FA8 1 #5x14-11 @08" T2
	EM9 1 #5x13-01 @08" T2	FA9 1 #5x13-09 @08" T2
	EM10 1 #5x11-11 @08" T2	FA10 1 #5x12-07 @08" T2
	EM11 1 #5x10-09 @08" T2	FA11 1 #5x11-05 @08" T2
	EM12 1 #5x9-07 @08" T2	FA12 1 #5x10-03 @08" T2
	EM13 1 #5x8-05 @08" T2	FA13 1 #5x9-01 @08" T2
	EM14 1 #5x7-03 @08" T2	FA14 1 #5x7-11 @08" T2
	EM15 1 #5x6-01 @08" T2	FA15 1 #5x6-09 @08" T2
	EM16 1 #5x4-11 @08" T2	FA16 1 #5x5-07 @08" T2
	EM17 1 #5x3-09 @08" T2	FA17 1 #5x4-05 @08" T2
		FA18 1 #5x3-03 @08" T2

TABLE-ES (ND-1)
ES1 1 #5x4-04 @08" T2
ES2 1 #5x7-02 @08" T2
ES3 1 #5x10-00 @08" T2
ES4 1 #5x12-09 @08" T2
ES5 1 #5x15-07 @08" T2
ES6 1 #5x18-05 @08" T2
ES7 1 #5x21-02 @08" T2

ALL DECK MATERILA ON THIS DRAWING SHALL BE
ASTM A995 GRADE 75 STAINLESS (60S)

COVER DETAILS

SLAB
TOP : 3"
BOTTOM : 1 1/2"
SIDE : 2"

LAP TABLE

FOR SLAB	
BAR SIZE	LAP
#4	2'-6"

LEGEND

THK	THICKNESS
FTG	FOOTING
B1	BOTTOM 1st LAYER
B2	BOTTOM 2nd LAYER
T1	TOP 1st LAYER
T2	TOP 2nd LAYER
REINF.	REINFORCEMENT
CLR.	CLEAR
DWLS	DOWELS
V	VERTICAL
MIN.	MINIMUM
SF	SIDE FACE
EF	EACH FACE

STRUCTURAL REFERENCE :

DRP-011,DRP-014,DRS-006 (08/27/18)

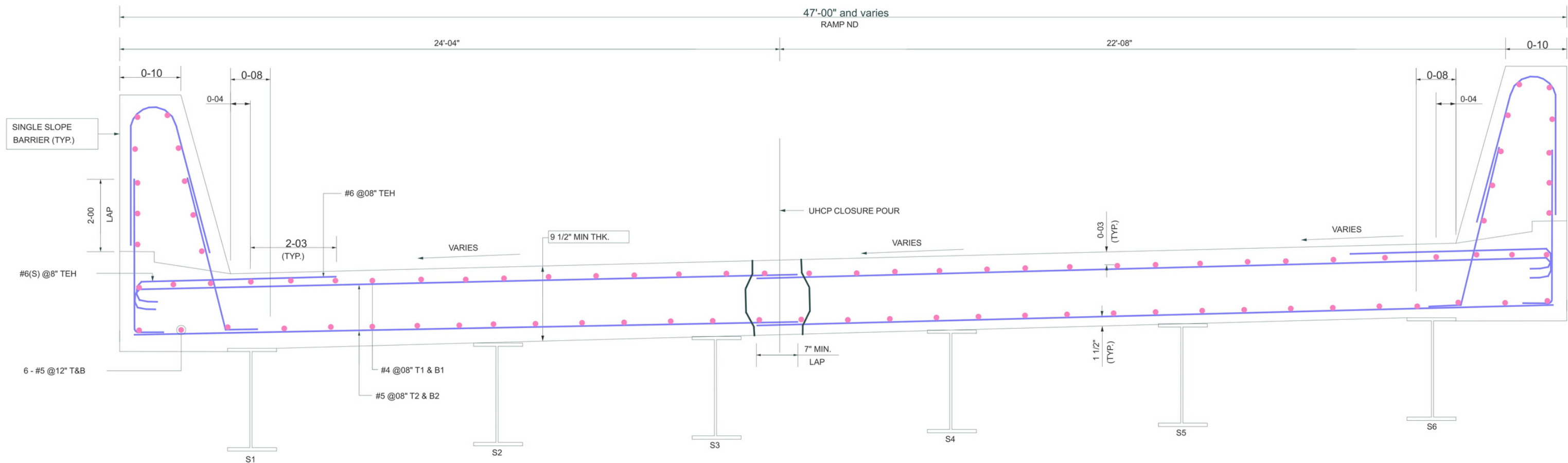
DRAWING REFERENCE :

1. FOR DECK SLAB FRAMING PLAN REFER DWG:- RS-01
2. FOR DECK SLAB BOTTOM REINFORCEMENT DETAILS REFER DWG:RS-02
3. FOR DECK SLAB TOP REINFORCEMENT DETAILS REFER DWG:RS-03
4. FOR LINK SLAB & ISOMETRIC VIEW REFER DWG:RS-04
5. FOR DECK SLAB SECTION DETAILS REFER DWG:RS-05
6. FOR DECK SLAB BBS & ISOMETRIC VIEW REFER DWG:RS-06
7. FOR DECK BARRIER DOWELS, BARRIER SECTIONS, LIGHT BLISTER REINFORCEMENT DETAILS REFER DWG:RS-07
8. FOR DECK SLAB BARRIER HORIZONTAL, SCUPPER REINFORCEMENT DETAILS REFER DWG:RS-08
9. FOR DECK BARRIER BBS & ISOMETRIC VIEW REFER DWG:RS-09

FOR T1 LAYER (SPAN ND-1 THRU ND-4)			
LAP WITH 30'-00"		LAP WITH 27'-06"	
TABLE-A1 (ND-1)	TABLE-C1 (ND-1)	TABLE-B1 (ND-1)	TABLE-D1 (ND-1)
A1 6 #4x31-03 @16" T1	C1 6 #4x24-00 @16" T1	B1 6 #4x33-09 @16" T1	D1 6 #4x26-09 @16" T1
A2 6 #4x29-00 @16" T1	C2 6 #4x21-06 @16" T1	B2 6 #4x31-06 @16" T1	D2 6 #4x24-06 @16" T1
A3 6 #4x26-09 @16" T1	C3 6 #4x19-06 @16" T1	B3 6 #4x29-00 @16" T1	D3 5 #4x22-03 @16" T1
TABLE-E1 (ND-2)	TABLE-G1 (ND-2)	TABLE-F1 (ND-2)	TABLE-H1 (ND-2)
E1 6 #4x24-09 @16" T1	G1 6 #4x22-00 @16" T1	F1 6 #4x27-03 @16" T1	H1 6 #4x24-06 @16" T1
E2 6 #4x23-09 @16" T1	G2 6 #4x21-00 @16" T1	F2 6 #4x26-03 @16" T1	H2 6 #4x23-06 @16" T1
E3 6 #4x23-00 @16" T1	G3 6 #4x20-03 @16" T1	F3 6 #4x25-03 @16" T1	H3 5 #4x22-06 @16" T1
TABLE-I1 (ND-3)	TABLE-K1 (ND-3)	TABLE-J1 (ND-3)	TABLE-L1 (ND-3)
I1 6 #4x24-09 @16" T1	K1 6 #4x22-00 @16" T1	J1 6 #4x27-03 @16" T1	L1 6 #4x24-06 @16" T1
I2 6 #4x23-09 @16" T1	K2 6 #4x21-03 @16" T1	J2 6 #4x26-03 @16" T1	L2 6 #4x23-06 @16" T1
I3 6 #4x23-00 @16" T1	K3 6 #4x20-03 @16" T1	J3 6 #4x25-03 @16" T1	L3 5 #4x22-09 @16" T1
TABLE-M1 (ND-4)	TABLE-P1 (ND-4)	TABLE-N1 (ND-4)	TABLE-Q1 (ND-4)
M1 3 #4x18-09 @16" T1	P1 3 #4x30-06 @16" T1	N1 3 #4x20-09 @16" T1	Q1 3 #4x32-06 @16" T1
M2 3 #4x16-03 @16" T1	P2 3 #4x28-00 @16" T1	N2 3 #4x18-03 @16" T1	Q2 3 #4x30-00 @16" T1
M3 3 #4x13-09 @16" T1	P3 3 #4x15-09 @16" T1	N3 3 #4x15-09 @16" T1	Q3 3 #4x27-03 @16" T1
M4 3 #4x11-03 @16" T1	P4 3 #4x22-09 @16" T1	N4 3 #4x13-03 @16" T1	Q4 3 #4x24-09 @16" T1
M5 3 #4x8-09 @16" T1	P5 3 #4x20-03 @16" T1	N5 3 #4x10-09 @16" T1	Q5 3 #4x22-03 @16" T1
M6 3 #4x6-03 @16" T1	P6 3 #4x17-06 @16" T1	N6 3 #4x8-03 @16" T1	Q6 2 #4x19-06 @16" T1

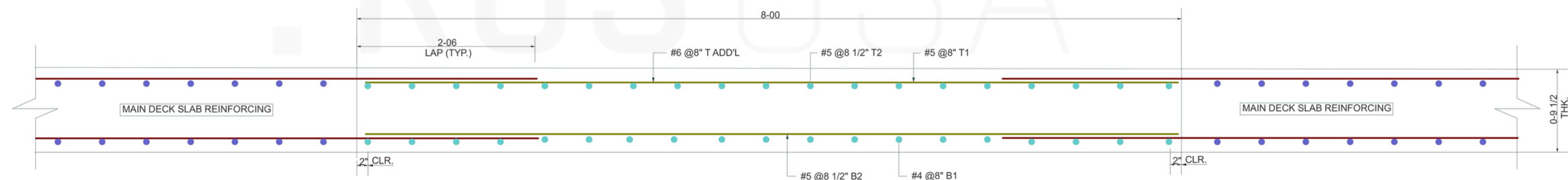
DECK SLAB TOP REINFORCEMENT DETAILS
SPAN ND-1,ND-2,ND-3 & ND-4

REF: DRP-011 (08/27/18)



SECTION-A - STAGE 1 DECK REINFORCEMENT (RAMP ND - PIERS ND-1 TO ND-4)

REF :- DRS-006



SECTION - B LINK SLAB

ND-1,ND-2,ND-3

ALL DECK MATERILA ON THIS DRAWING SHALL BE
ASTM A995 GRADE 75 STAINLESS (60S)

COVER DETAILS

SLAB
TOP : 3"
BOTTOM : 1 1/2"
SIDE : 2"

LAP TABLE

FOR SLAB
BAR SIZE LAP
#4 2'-6"

LEGEND

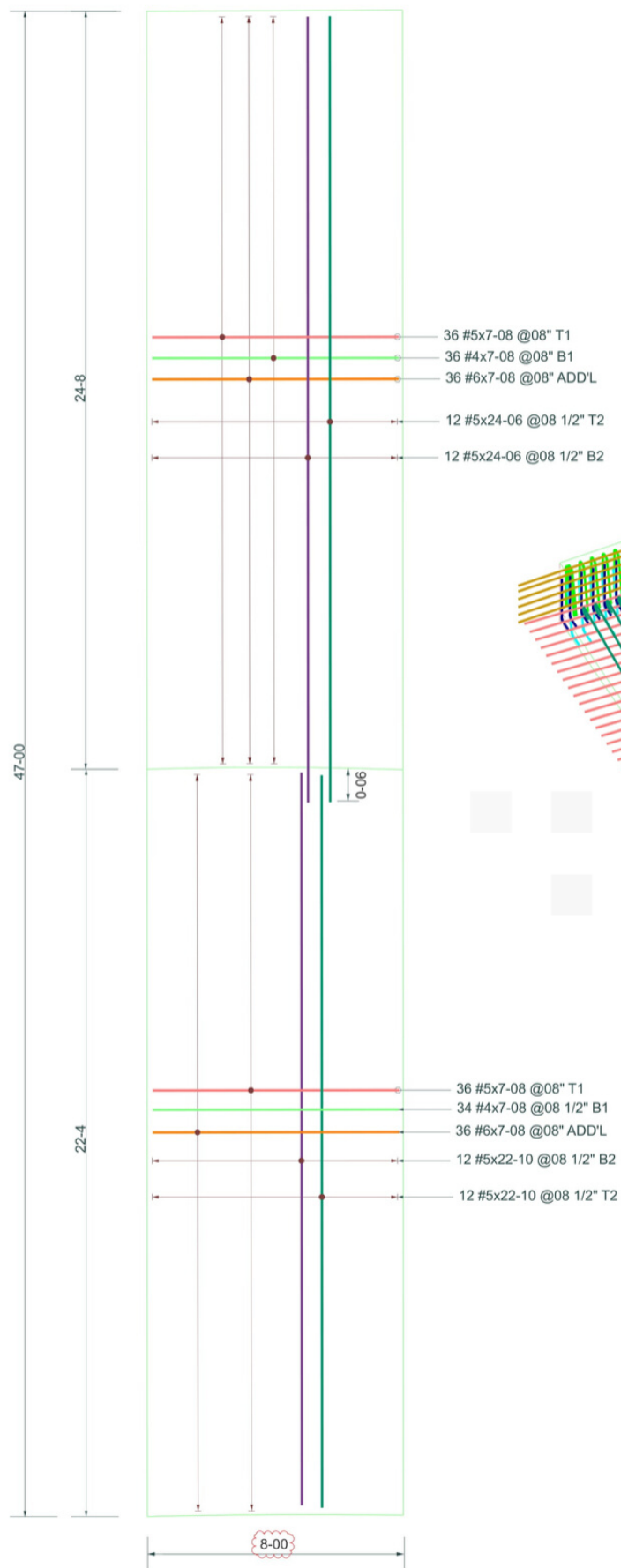
THK	THICKNESS
FTG	FOOTING
B1	BOTTOM 1st LAYER
B2	BOTTOM 2nd LAYER
T1	TOP 1st LAYER
T2	TOP 2nd LAYER
REINF.	REINFORCEMENT
CLR.	CLEAR
DWLS	DOWELS
V	VERTICAL
MIN.	MINIMUM
SF	SIDE FACE

STRUCTURAL REFERENCE :

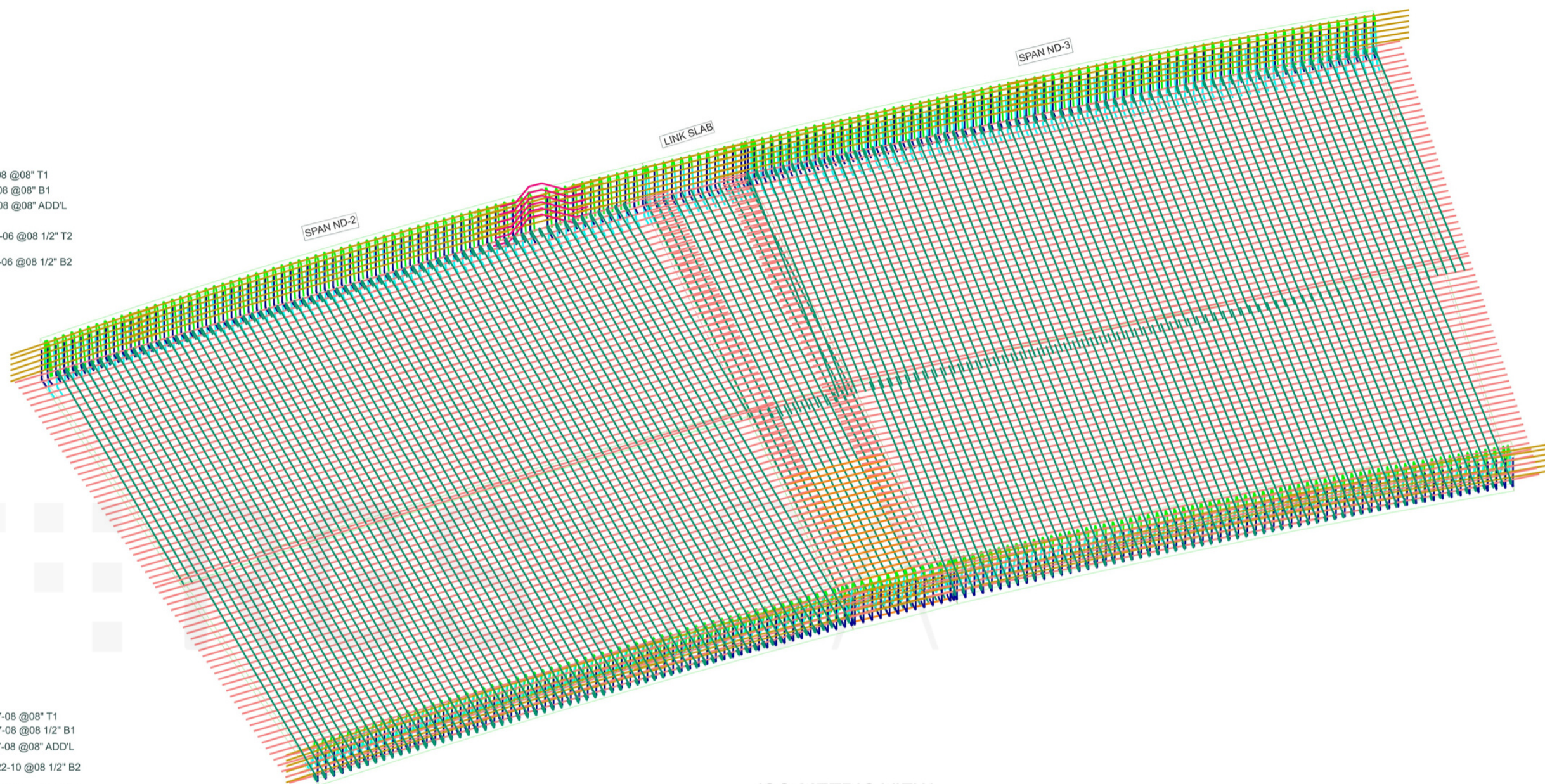
DRP-011,DRP-014,DRS-006 (08/27/18)

DRAWING REFERENCE :

1. FOR DECK SLAB FRAMING PLAN REFER DWG:- RS-01
2. FOR DECK SLAB BOTTOM REINFORCEMENT DETAILS REFER DWG:RS-02
3. FOR DECK SLAB TOP REINFORCEMENT DETAILS REFER DWG:RS-03
4. FOR LINK SLAB & ISOMETRIC VIEW REFER DWG:RS-04
5. FOR DECK SLAB SECTION DETAILS REFER DWG:RS-05
6. FOR DECK SLAB BBS & ISOMETRIC VIEW REFER DWG:RS-06
7. FOR DECK BARRIER DOWELS, BARRIER SECTIONS, LIGHT BLISTER REINFORCEMENT DETAILS REFER DWG:RS-07
8. FOR DECK SLAB BARRIER HORIZONTAL, SCUPPER REINFORCEMENT DETAILS REFER DWG:RS-08
9. FOR DECK BARRIER BBS & ISOMETRIC VIEW REFER DWG:RS-09



LINK SLAB REINFORCEMENT DETAILS
ND-1,ND-2 & ND-3 (3 Nos)



ISO-METRIC VIEW

STRUCTURAL REFERENCE :

DRP-011,DRP-014,DRS-006 (08/27/18)

DRAWING REFERENCE :

1. FOR DECK SLAB FRAMING PLAN REFER DWG:- RS-01
2. FOR DECK SLAB BOTTOM REINFORCEMENT DETAILS REFER DWG:RS-02
3. FOR DECK SLAB TOP REINFORCEMENT DETAILS REFER DWG:RS-03
4. FOR LINK SLAB & ISOMETRIC VIEW REFER DWG:RS-04
5. FOR DECK SLAB SECTION DETAILS REFER DWG:RS-05
6. FOR DECK SLAB BBS & ISOMETRIC VIEW REFER DWG:RS-06
7. FOR DECK BARRIER DOWELS, BARRIER SECTIONS, LIGHT BLISTER REINFORCEMENT DETAILS REFER DWG:RS-07
8. FOR DECK SLAB BARRIER HORIZONTAL, SCUPPER REINFORCEMENT DETAILS REFER DWG:RS-08
9. FOR DECK BARRIER BBS & ISOMETRIC VIEW REFER DWG:RS-09

COVER DETAILS

SLAB
TOP : 3"
BOTTOM : 1 1/2"
SIDE : 2"

LAP TABLE

FOR SLAB	
BAR SIZE	LAP
#4	2'-6"

LEGEND

THK	THICKNESS
FTG	FOOTING
B1	BOTTOM 1st LAYER
B2	BOTTOM 2nd LAYER
T1	TOP 1st LAYER
T2	TOP 2nd LAYER
REINF.	REINFORCEMENT
CLR.	CLEAR
DWLS	DOWELS
V	VERTICAL
MIN.	MINIMUM
SF	SIDE FACE
EF	EACH FACE

ALL DECK MATERILA ON THIS DRAWING SHALL BE
ASTM A995 GRADE 75 STAINLESS (60S)

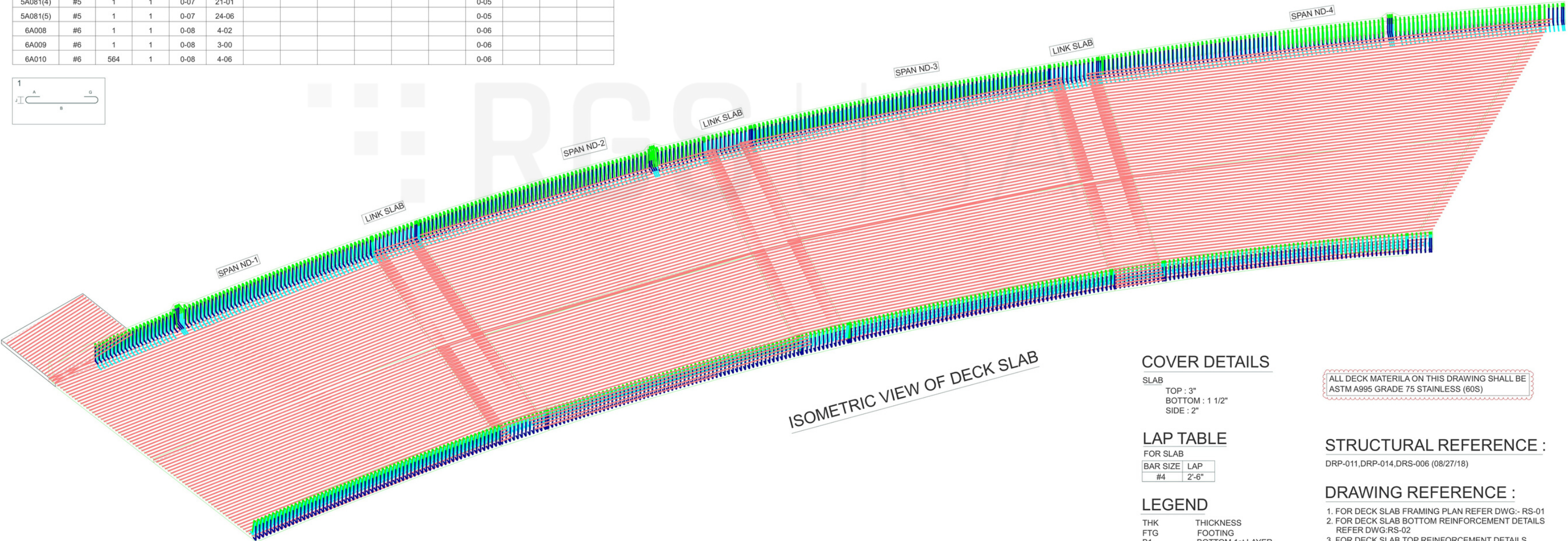
BEND SCHEDULE

MARK	SIZE	QTY	SHAPE	A	B	C	D	E	F	G	H	J	K	O	R
5A009	#5	213	1	0-07	24-06							0-05			
5A010	#5	80	1	0-07	24-10							0-05			
5A012	#5	194	1	0-07	22-10							0-05			
5A021	#5	1	1	0-07	3-04							0-05			
5A072	#5	1	1	0-07	7-02 3/4							0-05			
5A074(1)	#5	1	1	0-07	23-01							0-05			
5A074(2)	#5	1	1	0-07	21-11							0-05			
5A074(3)	#5	1	1	0-07	20-10							0-05			
5A074(4)	#5	1	1	0-07	19-08							0-05			
5A075(1)	#5	1	1	0-07	18-06							0-05			
5A075(10)	#5	1	1	0-07	8-00							0-05			
5A075(11)	#5	1	1	0-07	6-10							0-05			
5A075(12)	#5	1	1	0-07	5-08							0-05			
5A075(13)	#5	1	1	0-07	4-06							0-05			
5A075(2)	#5	1	1	0-07	17-04							0-05			
5A075(3)	#5	1	1	0-07	16-02							0-05			
5A075(4)	#5	1	1	0-07	15-00							0-05			
5A075(5)	#5	1	1	0-07	13-10							0-05			
5A075(6)	#5	1	1	0-07	12-08							0-05			
5A075(7)	#5	1	1	0-07	11-06							0-05			
5A075(8)	#5	1	1	0-07	10-04							0-05			
5A075(9)	#5	1	1	0-07	9-02							0-05			
5A077	#5	1	1	0-07	3-09 1/4							0-05			
5A081(1)	#5	1	1	0-07	10-08 1/4							0-05			
5A081(2)	#5	1	1	0-07	14-02							0-05			
5A081(3)	#5	1	1	0-07	17-07 1/2							0-05			
5A081(4)	#5	1	1	0-07	21-01							0-05			
5A081(5)	#5	1	1	0-07	24-06							0-05			
6A008	#6	1	1	0-08	4-02							0-06			
6A009	#6	1	1	0-08	3-00							0-06			
6A010	#6	564	1	0-08	4-06							0-06			



REBAR WEIGHT SUMMARY

BAR SIZE	NUMBER OF BARS	WEIGHT (LBS)
#6	782	6876.88
#5	1635	34831.41
#4	1428	22614.80
Grand Total	3845	64323.09



ISOMETRIC VIEW OF DECK SLAB

COVER DETAILS

SLAB
TOP : 3"
BOTTOM : 1 1/2"
SIDE : 2"

ALL DECK MATERILA ON THIS DRAWING SHALL BE
ASTM A995 GRADE 75 STAINLESS (60S)

LAP TABLE

FOR SLAB	
BAR SIZE	LAP
#4	2'-6"

LEGEND

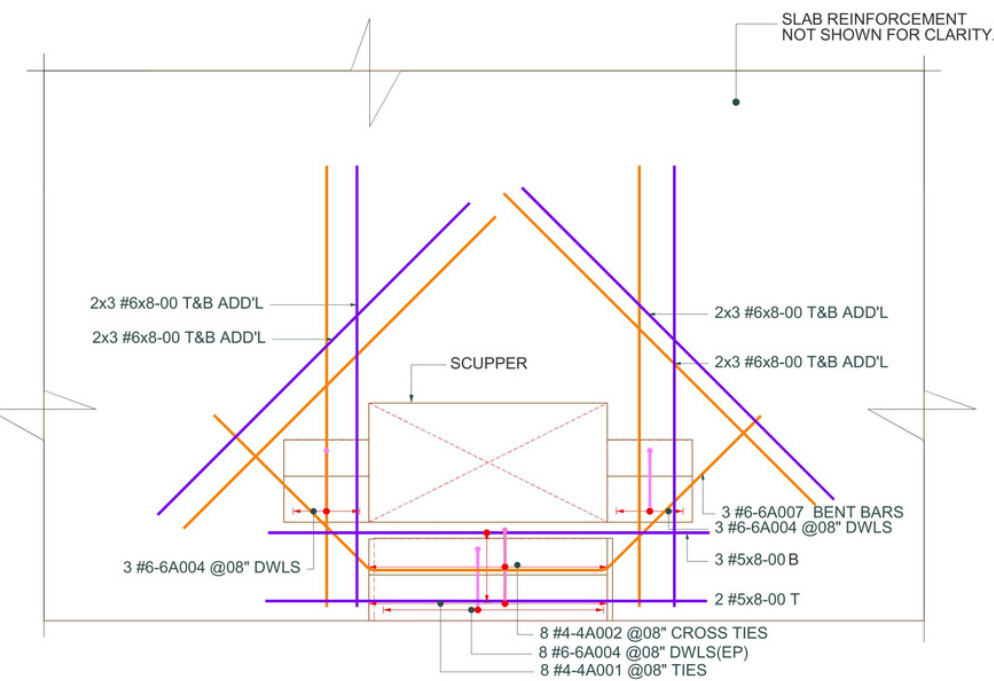
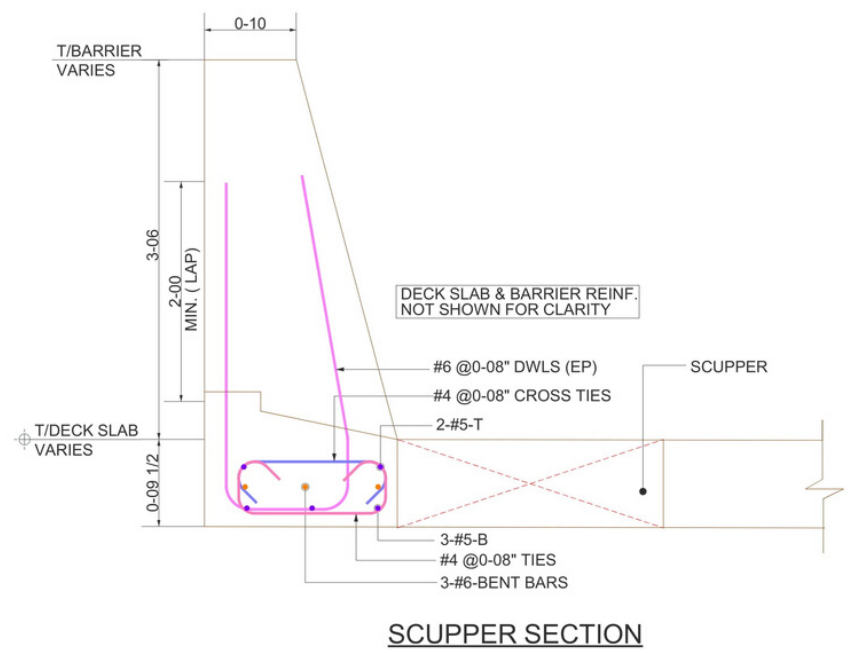
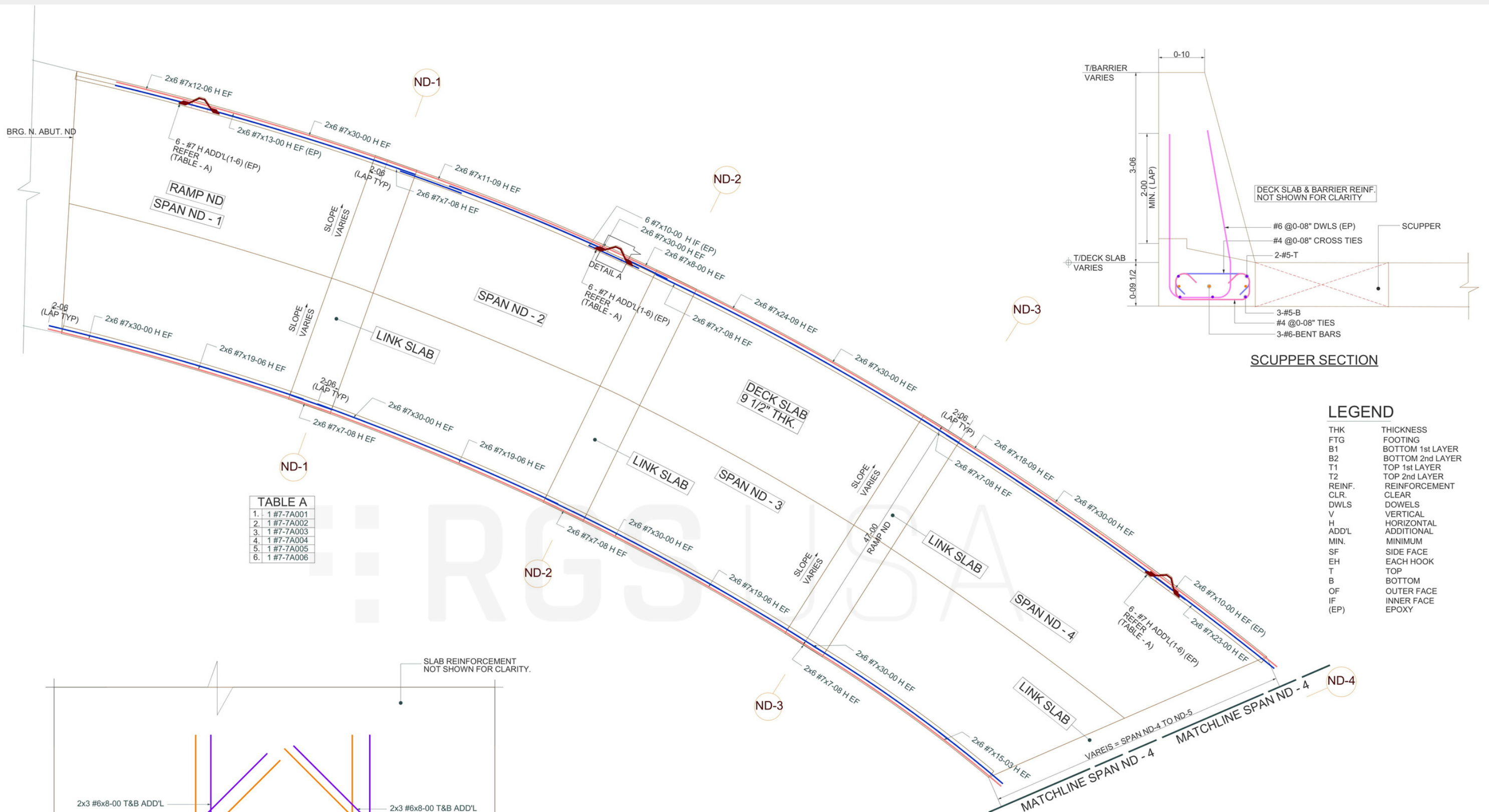
THK	THICKNESS
FTG	FOOTING
B1	BOTTOM 1st LAYER
B2	BOTTOM 2nd LAYER
T1	TOP 1st LAYER
T2	TOP 2nd LAYER
REINF.	REINFORCEMENT
CLR.	CLEAR
DWLS	DOWELS
V	VERTICAL
MIN.	MINIMUM
SF	SIDE FACE
EF	EACH FACE

STRUCTURAL REFERENCE :

DRP-011,DRP-014,DRS-006 (08/27/18)

DRAWING REFERENCE :

- 1. FOR DECK SLAB FRAMING PLAN REFER DWG:- RS-01
- 2. FOR DECK SLAB BOTTOM REINFORCEMENT DETAILS REFER DWG:RS-02
- 3. FOR DECK SLAB TOP REINFORCEMENT DETAILS REFER DWG:RS-03
- 4. FOR LINK SLAB & ISOMETRIC VIEW REFER DWG:RS-04
- 5. FOR DECK SLAB SECTION DETAILS REFER DWG:RS-05
- 6. FOR DECK SLAB BBS & ISOMETRIC VIEW REFER DWG:RS-06
- 7. FOR DECK BARRIER DOWELS, BARRIER SECTIONS, LIGHT BLISTER REINFORCEMENT DETAILS REFER DWG:RS-07
- 8. FOR DECK SLAB BARRIER HORIZONTAL, SCUPPER REINFORCEMENT DETAILS REFER DWG:RS-08
- 9. FOR DECK BARRIER BBS & ISOMETRIC VIEW REFER DWG:RS-09



STRUCTURAL REFERENCE :

DRP-011,DRP-013,DRP-014,DRS-06 (08/27/18)

DRAWING REFERENCE :

1. FOR DECK SLAB FRAMING PLAN REFER DWG:- RS-01
2. FOR DECK SLAB BOTTOM REINFORCEMENT DETAILS REFER DWG:RS-02
3. FOR DECK SLAB TOP REINFORCEMENT DETAILS REFER DWG:RS-03
4. FOR LINK SLAB & ISOMETRIC VIEW REFER DWG:RS-04
5. FOR DECK SLAB SECTION DETAILS REFER DWG:RS-05
6. FOR DECK SLAB BBS & ISOMETRIC VIEW REFER DWG:RS-06
7. FOR DECK BARRIER DOWELS, BARRIER SECTIONS, LIGHT BLISTER REINFORCEMENT DETAILS REFER DWG:RS-07
8. FOR DECK SLAB BARRIER HORIZONTAL, SCUPPER REINFORCEMENT DETAILS REFER DWG:RS-08
9. FOR DECK BARRIER BBS & ISOMETRIC VIEW REFER DWG:RS-09

ALL MATERIAL ON THIS DRAWING SHALL BE ASTM A955 GRADE 60 "STAINLESS" (60S) BRIDGE BARRIERS (2ND POUR) SHALL BE ASTM A775 GRADE 60 EPOXY COATED (EP)

COVER DETAILS

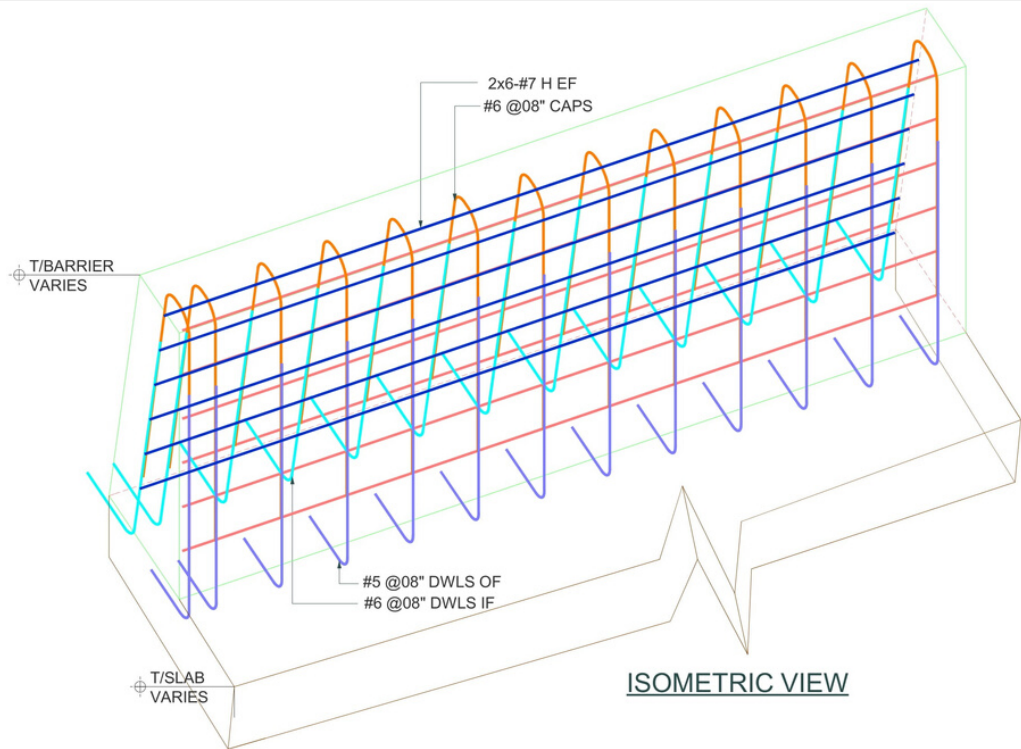
DECK SLAB:
TOP : 3"
SIDES : 2"
BOTTOM : 1 1/2"
BARRIER:
ALL SIDES : 2"

LAP TABLE

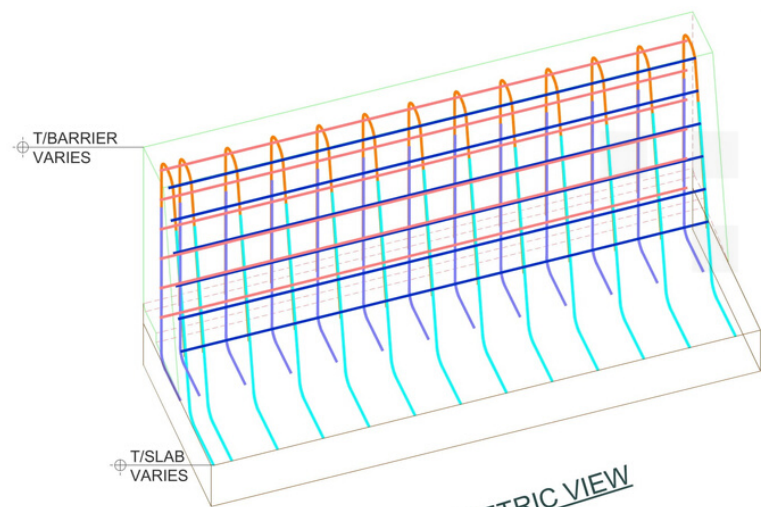
BAR SIZE	LAP
#7	2-06

DECK BARRIER HORIZONTAL REINFORCEMENT DETAILS.

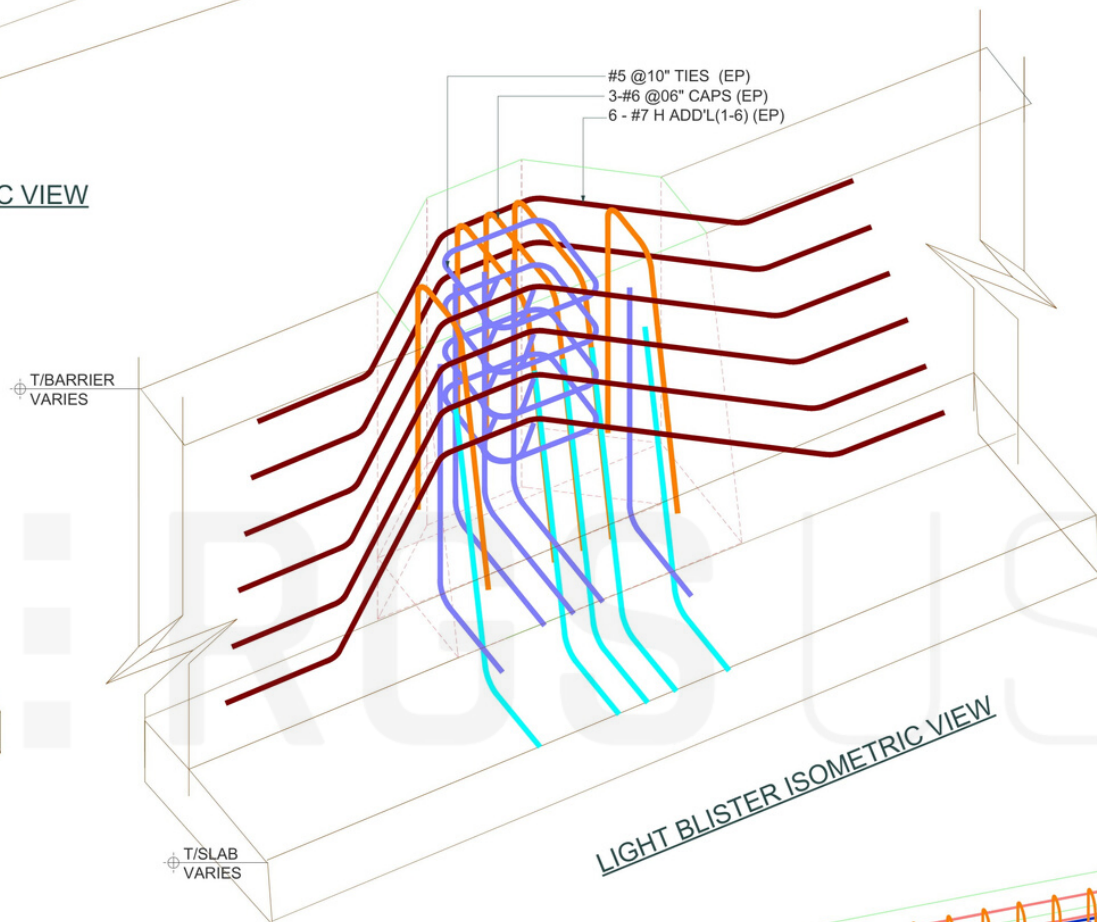
SPAN ND-1, ND-2, ND-3 & ND-4
REF: DRP-011 (08/27/18)



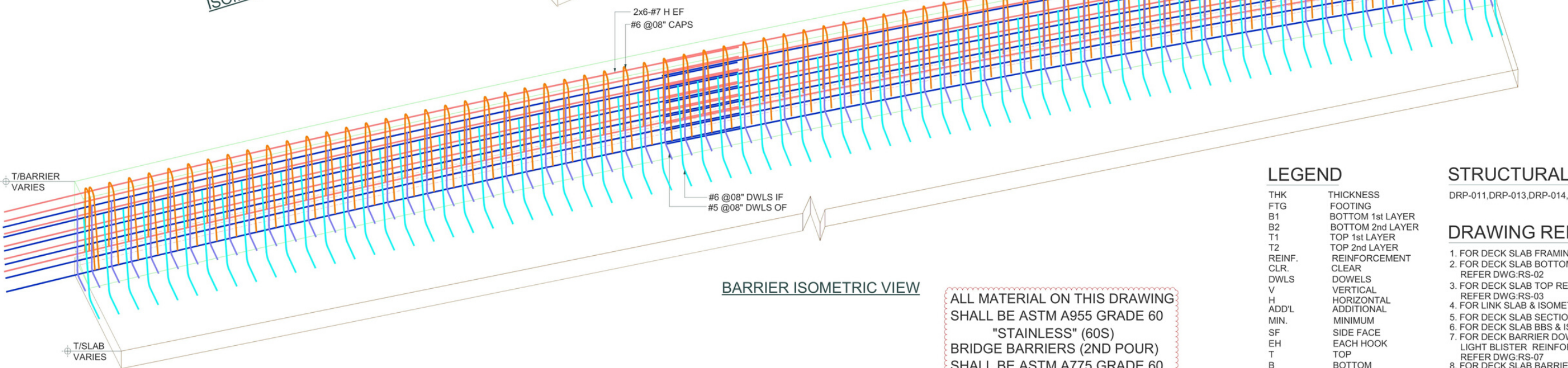
ISOMETRIC VIEW



ISOMETRIC VIEW



LIGHT BLUSTER ISOMETRIC VIEW



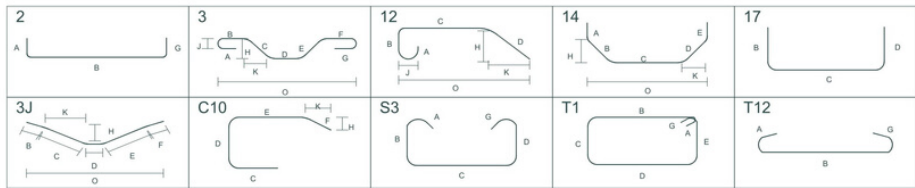
BARRIER ISOMETRIC VIEW

REBAR WEIGHT SUMMARY

BAR SIZE	GRADE USED	NUMBER OF BARS	WEIGHT (LBS)
#7	A615-60	42	1578.99
#7	A955-75	300	10776.99
#6	A615-60	50	554.24
#6	A955-75	1323	10648.51
#5	A615-60	17	111.60
#5	A955-75	666	2672.71
#4	A615-60	16	27.61
Grand Total		2414	26370.65

BEND SCHEDULE

MARK	SIZE	QTY	SHAPE	A	B	C	D	E	F	G	H	J	K	O	R
4A001	#4	8	S3	0-04 1/2	0-08	1-02	0-08			0-04 1/2					
4A002	#4	8	T12	0-04 1/2	1-02					0-04 1/2					
5A001	#5	651	2	0-10	3-00										
5A002	#5	6	17		1-02	3-00									
5A003	#5	9	17		1-08	3-00									
5A004	#5	12	T1	0-05 1/2	1-02	1-02	1-02	1-02		0-05 1/2					
6A001	#6	651	12		3-00	0-06 1/4	3-00				2-11		0-08 1/4	1-02 1/2	
6A002	#6	657	3		3-02	1-00					1-00		0-02	3-04	
6A003	#6	6	12		3-00	0-10	3-00				2-11		0-08 1/4	1-06 1/4	
6A004	#6	14	C10			3-00	1-02	0-08	2-05		0-05 3/4		2-04 1/2		
6A005	#6	9	12		3-00	1-04	3-00				2-11		0-08 1/4	2-00 1/4	
6A006	#6	9	3		3-02	1-00					1-00		0-02	3-04	
6A007	#6	3	14	4-00	4-08	4-00					3-00 1/2		3-00 1/4	7-00 1/4	
7A001	#7	3	3J		1-02	2-10	1-00	2-10	1-02		0-06		2-09 3/4	5-10 1/2	
7A002	#7	3	3J		1-02	2-08	1-00	2-08	1-02		0-05 1/2		2-08 1/4	5-09	
7A003	#7	3	3J		1-02	2-06	1-00	2-06	1-02		0-05 1/4		2-05 3/4	5-05	
7A004	#7	3	3J		1-02	2-04	1-00	2-04	1-02		0-04 3/4		2-03 3/4	5-04	
7A005	#7	3	3J		1-02	2-02	1-00	2-02	1-02		0-04 1/2		2-01 3/4	5-00	
7A006	#7	3	3J		1-02	2-00	1-00	2-00	1-02		0-04		1-11 1/2	4-10	



LAP TABLE

BAR SIZE	LAP
#7	2-06

COVER DETAILS

DECK SLAB:
TOP : 3"
SIDES : 2"
BOTTOM : 1 1/2"
BARRIER:
ALL SIDES : 2"

LEGEND

THK	THICKNESS
FTG	FOOTING
B1	BOTTOM 1st LAYER
B2	BOTTOM 2nd LAYER
T1	TOP 1st LAYER
T2	TOP 2nd LAYER
REINF.	REINFORCEMENT
CLR.	CLEAR
DWLS	DOWELS
V	VERTICAL
H	HORIZONTAL
ADD'L	ADDITIONAL
MIN.	MINIMUM
SF	SIDE FACE
EH	EACH HOOK
T	TOP
B	BOTTOM
OF	OUTER FACE
IF	INNER FACE
(EP)	EPOXY

STRUCTURAL REFERENCE :

DRP-011,DRP-013,DRP-014,DRS-06 (08/27/18)

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