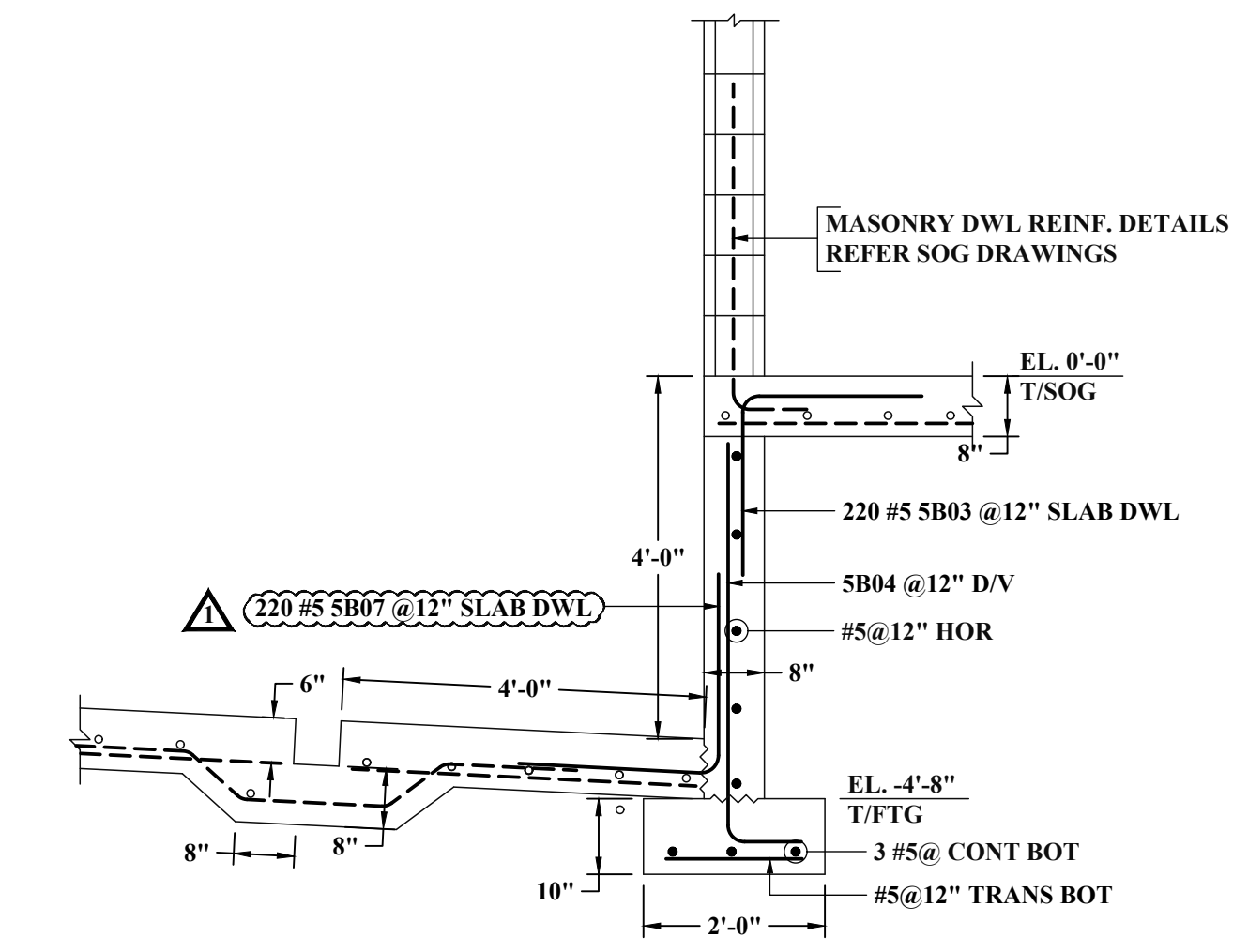
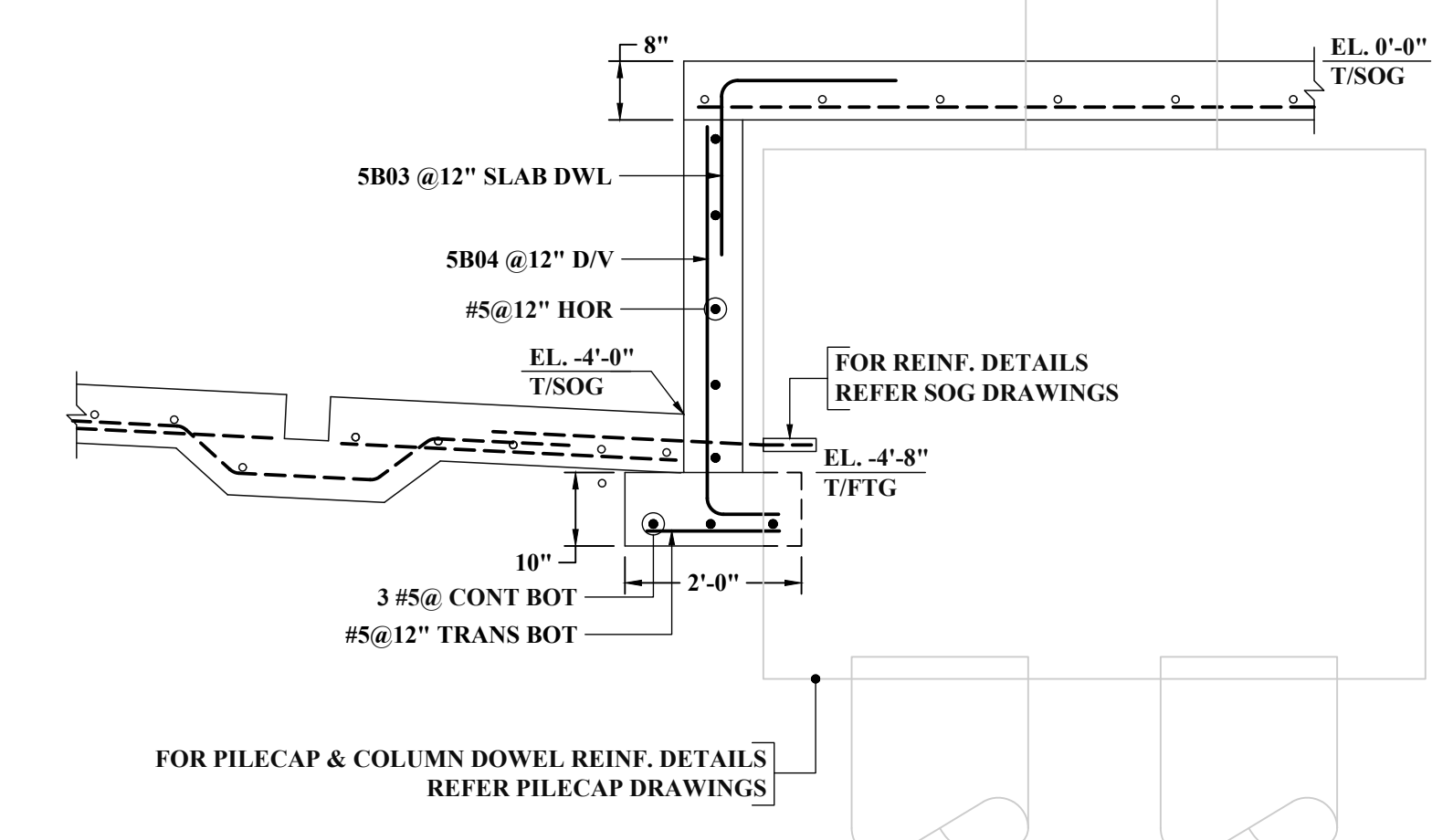


**FOUNDATION & GRADE BEAM REINFORCEMENT DETAILS**  
 SCALE: 1/12"=1'-0"  
 REF: 1/S2-1



**SECTION 1**  
 SCALE: 1/2"=1'-0"  
 REF: 25/S3-4



**SECTION 2**  
 SCALE: 1/2"=1'-0"  
 REF: 16/S3-4

**ABBREVIATIONS**

TOP	-
BOTTOM	BOT
TOP&BOTTOM	T&B
CONTINUOUS	CONT
FACE BAR	-
CORNER BAR	COR
VERTICAL	VERT
HORIZONTAL	HOR
STIRRUPS	STIRR
EACH WAY	EW
EACH FACE	EF
INNER FACE	IF
OUTER FACE	OF
EACH SIDE	ES
MASONRY	M
DOWL	DWL
DOWL/VERTICAL	D/V
TRANSVERSE	TRANS
LONG WAY BAR	LW
SHORT WAY BAR	SW

**(MASONRY)**  
**LAP SCHEDULE**  
 REF: 5/S 4-1

SIZE	LENGTH
#4	25"
#5	40"
#6	54"
#7	63"
#8	72"

**(CONCRETE WALL)**  
**LAP SCHEDULE**  
 (CLASS-B)  
 REF: 30/S3-1

SIZE	4000 PSI	
	TOP	OTHER
#3	24"	19"
#4	33"	25"
#5	41"	31"
#6	49"	37"
#7	71"	54"
#8	81"	62"
#9	91"	70"

**(FDN & GRADE BEAM)**  
**DEVELOPMENT LENGTH (Ld)**  
 REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	17"	13"
#4	23"	17"
#5	28"	22"
#6	34"	26"
#7	49"	38"
#8	56"	43"
#9	63"	48"
#10	71"	54"
#11	78"	60"

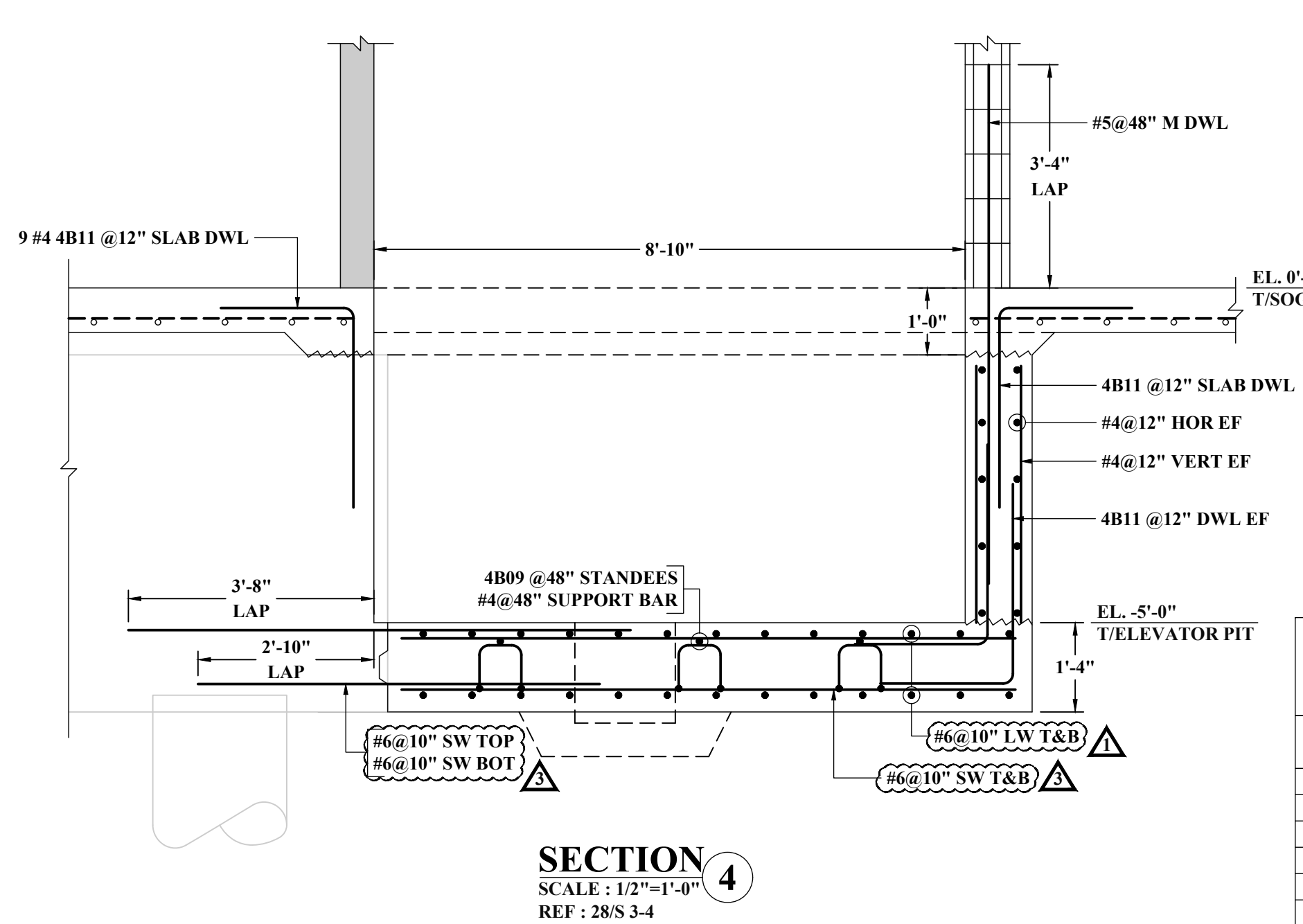
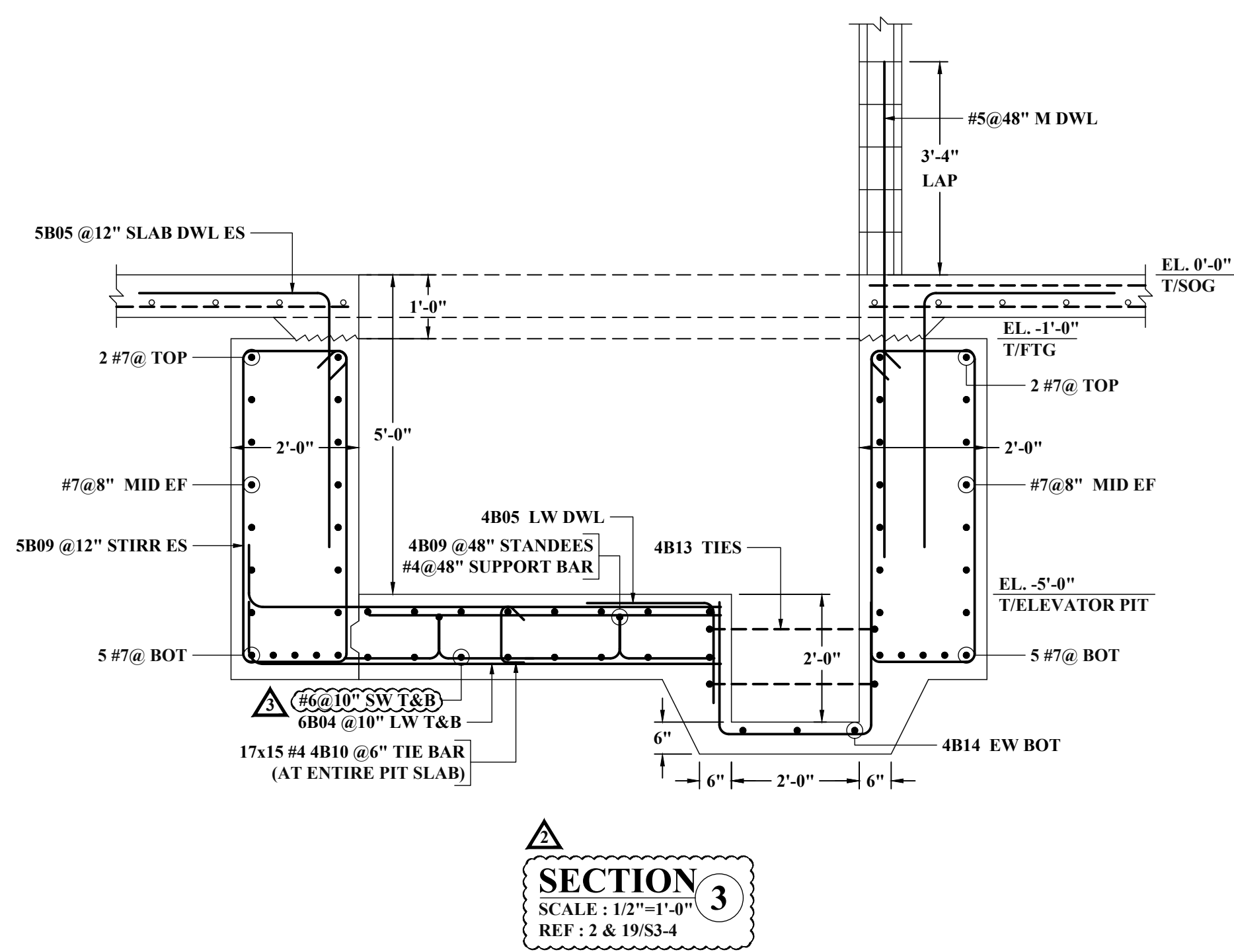
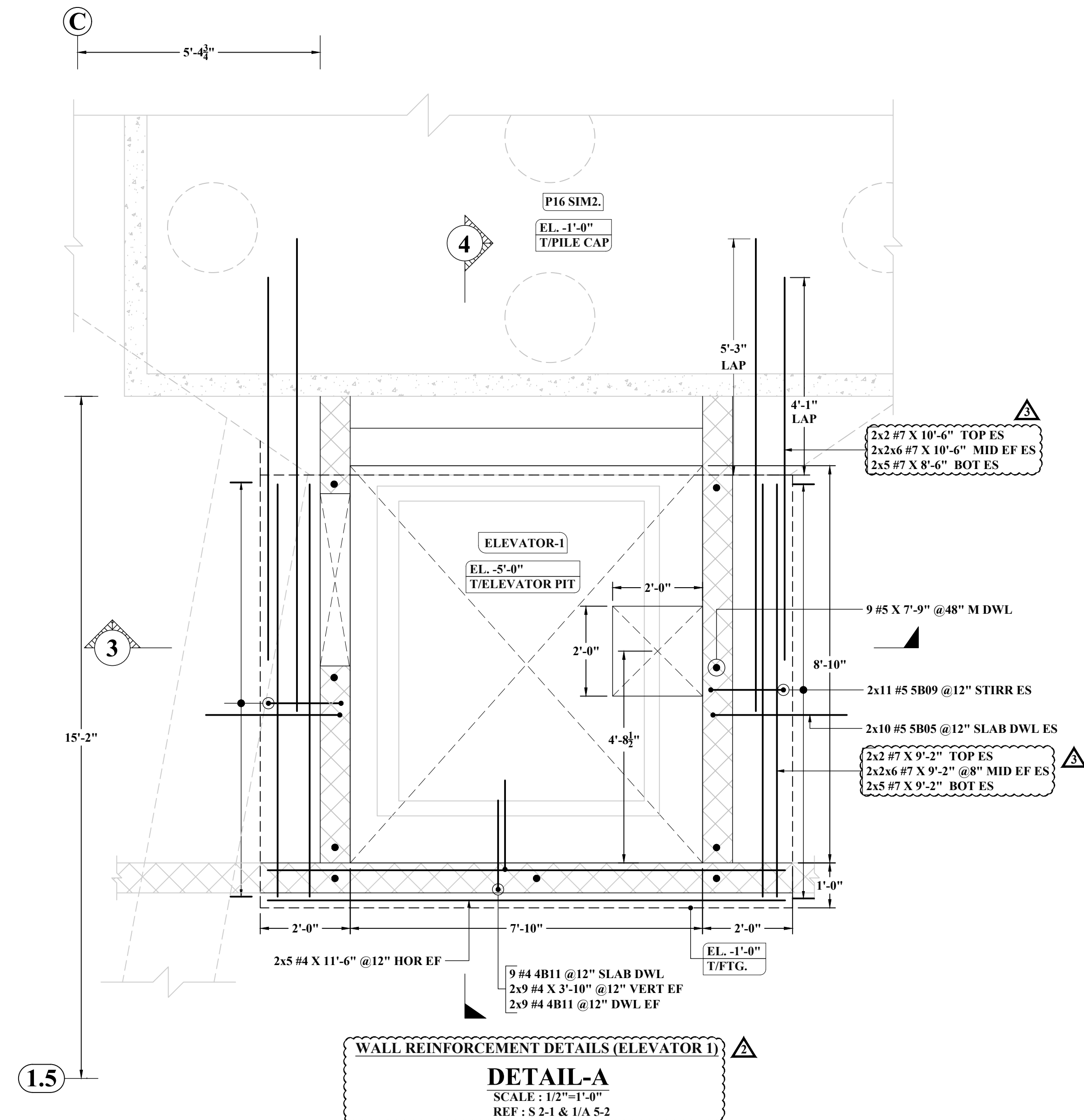
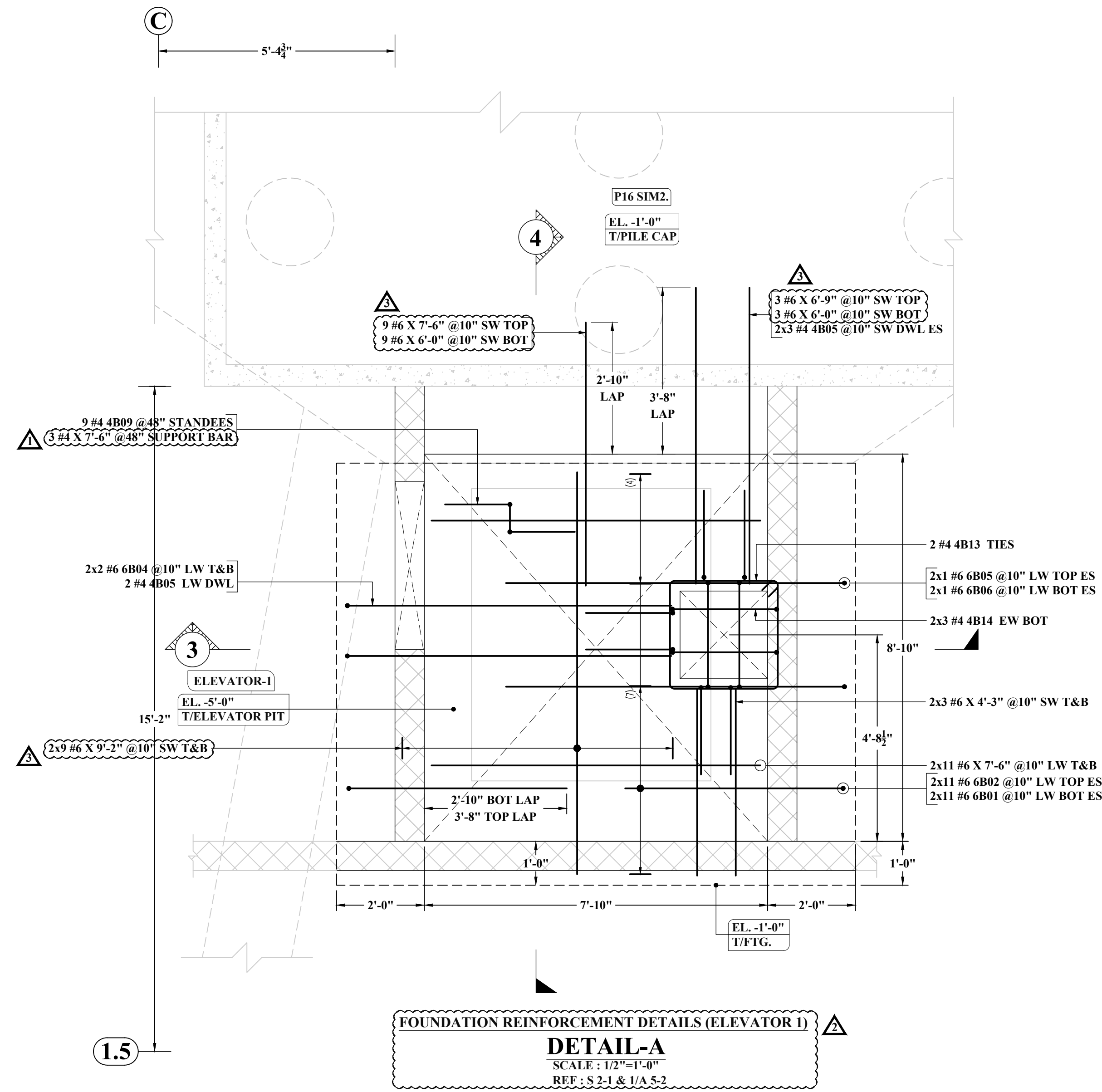
**(FDN & GRADE BEAM)**  
**LAP SCHEDULE**  
 (CLASS-B)  
 REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	22"	17"
#4	29"	23"
#5	36"	28"
#6	44"	34"
#7	63"	49"
#8	72"	56"
#9	81"	63"
#10	92"	71"
#11	102"	78"

- NOTES:-**
- TYPICAL CLEARANCES  
 A). TOP - 2"  
 B). BOTTOM - 3"  
 C). SIDES - 2"
  - A/E PLEASE VERIFY THE ALL CLOUDED ITEMS
  - PROVIDE FIELD CUT AS REQUIRED LOCATIONS
  - BAR TO BE PLACED AT EQUAL SPACING U.O.N.
  - TILT HOOK TO ACCOMMODATE THE COVER, IF NEED

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

NOTE: REINFORCING STEEL PLACING DRAWINGS TO BE USED ONLY IN CONJUNCTION WITH CONTRACT DRAWINGS AND SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON THIS DRAWING ARE FOR VERIFICATION BY THE EOR OR FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY THE ARCHITECT, ENGINEER OF RECORD, OR CONTRACTOR.



ABBREVIATIONS	
TOP	-
BOTTOM	BOT
TOP&BOTTOM	T&B
CONTINUOUS	CONT
FACE BAR	-
CORNER BAR	COR
VERTICAL	VERT
HORIZONTAL	HOR
STIRRUPS	STIRR
EACH WAY	EW
INNER FACE	IF
OUTER FACE	OF
EACH SIDE	ES
MASONRY	M
DOWEL	DWL
DOWEL/VERTICAL	D/V
TRANSVERSE	TRANS
LONG WAY BAR	LW
SHORT WAY BAR	SW

(MASONRY)	
LAP SCHEDULE REF: 5/S 4-1	
SIZE	LENGTH
#4	25"
#5	40"
#6	54"
#7	63"
#8	72"

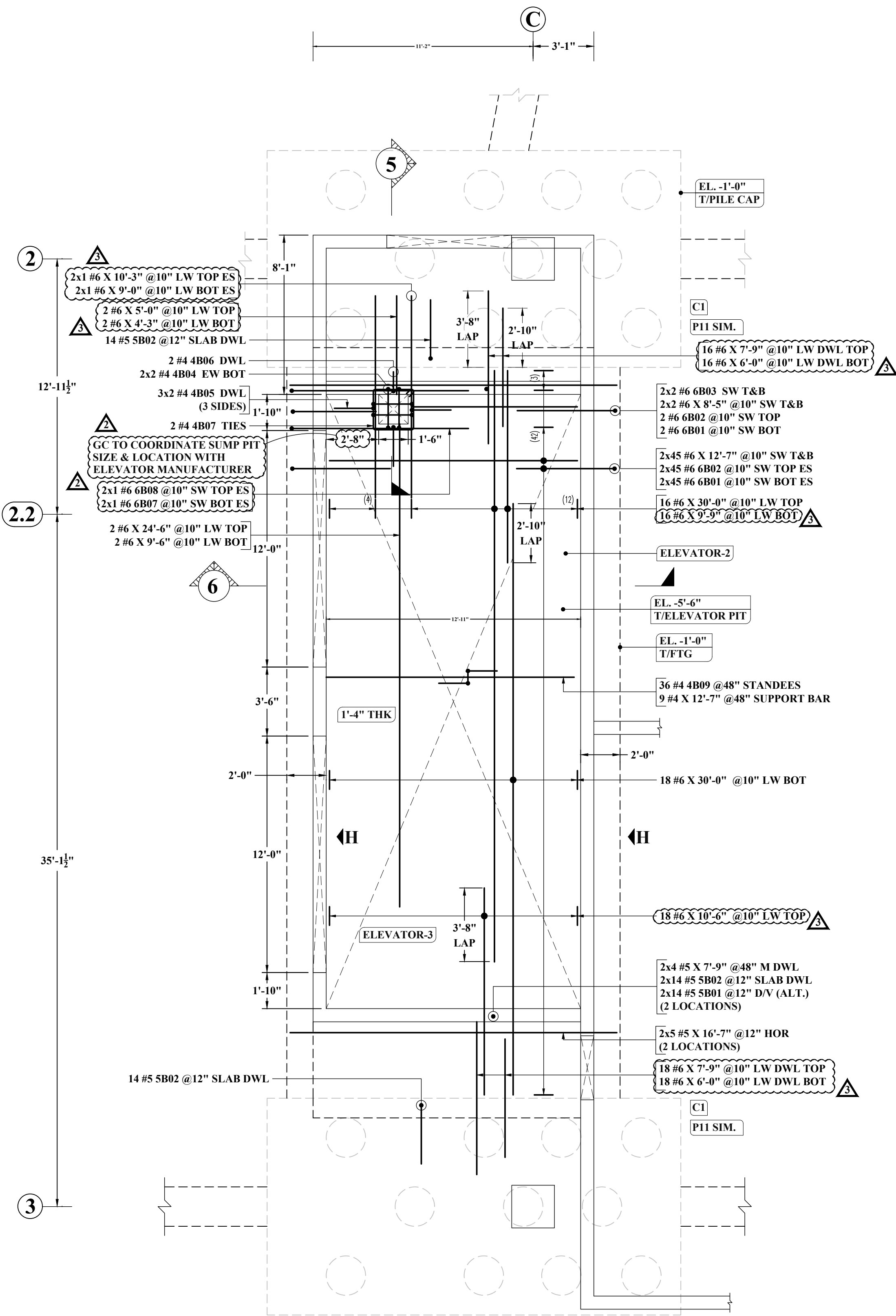
(CONCRETE WALL)		
LAP SCHEDULE (CLASS-B) REF: 30/S3-1		
SIZE	4000 PSI	
	TOP	OTHER
#3	24"	19"
#4	33"	25"
#5	41"	31"
#6	49"	37"
#7	71"	54"
#8	81"	62"
#9	91"	70"

(FDN & GRADE BEAM)		
DEVELOPMENT LENGTH (L <sub>d</sub> ) REF: 30/S3-1		
SIZE	5000 PSI	
	TOP	OTHER
#3	17"	13"
#4	23"	17"
#5	28"	22"
#6	34"	26"
#7	49"	38"
#8	56"	43"
#9	63"	48"
#10	71"	54"
#11	78"	60"

(FDN & GRADE BEAM)		
LAP SCHEDULE (CLASS-B) REF: 30/S3-1		
SIZE	5000 PSI	
	TOP	OTHER
#3	22"	17"
#4	29"	23"
#5	36"	28"
#6	44"	34"
#7	63"	49"
#8	72"	56"
#9	81"	63"
#10	92"	71"
#11	102"	78"

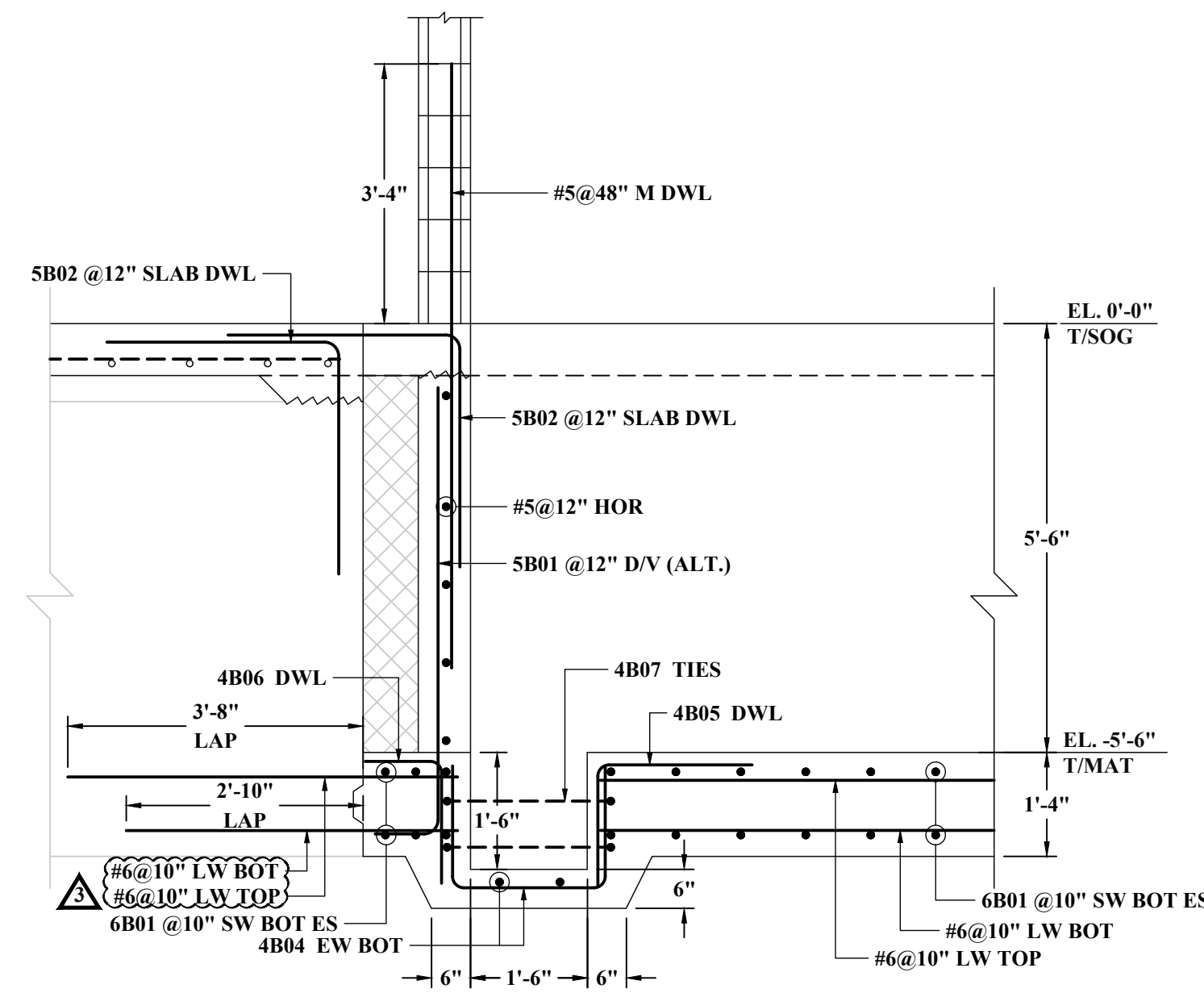
- NOTES:-**
- TYPICAL CLEARANCES  
A). TOP - 2"  
B). BOTTOM - 3"  
C). SIDES - 2"
  - A/E PLEASE VERIFY THE ALL CLOUDED ITEMS
  - PROVIDE FIELD CUT AS REQUIRED LOCATIONS
  - BAR TO BE PLACED AT EQUAL SPACING U.O.N.
  - TILT HOOK TO ACCOMMODATE THE COVER, IF NEED

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

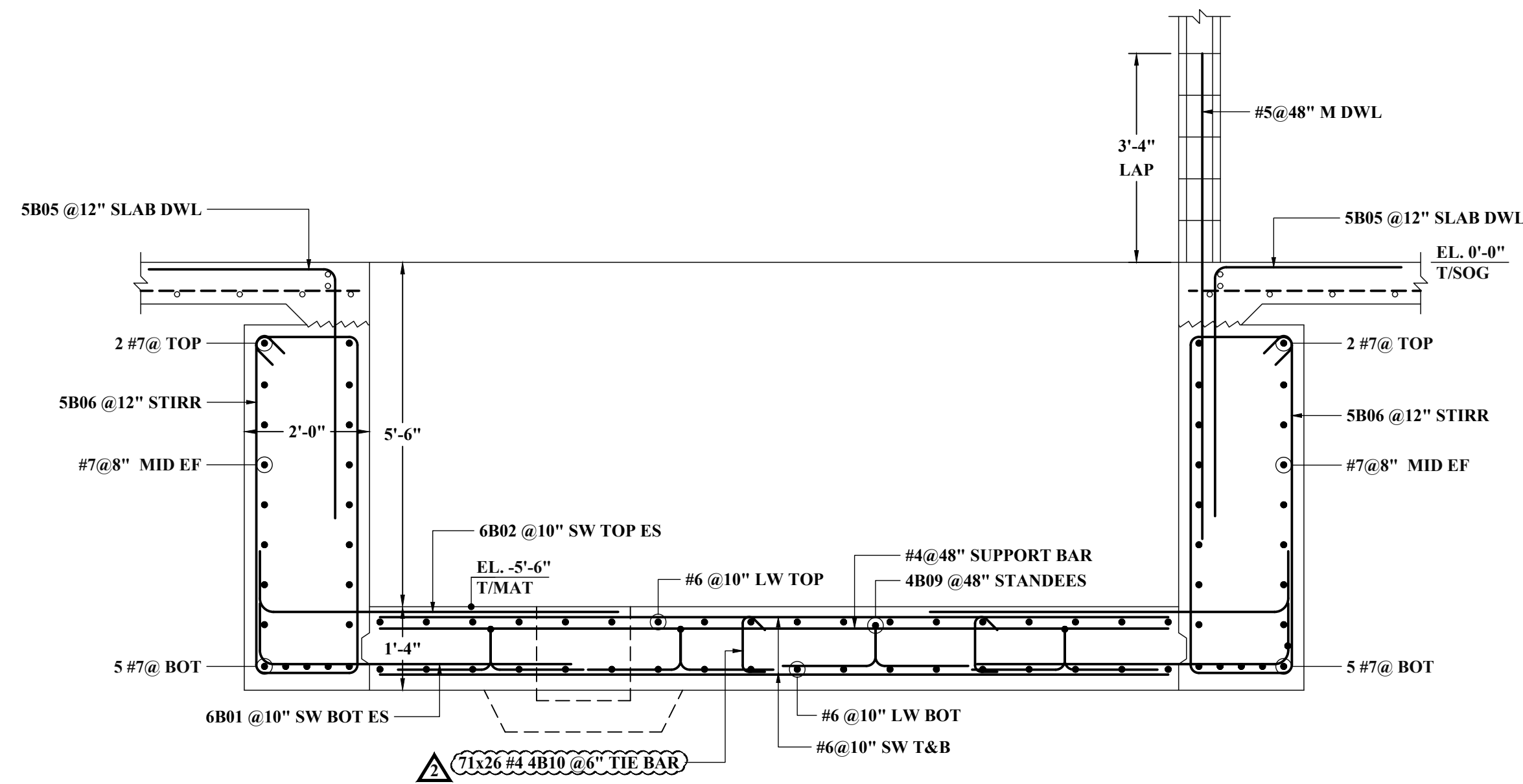


FOUNDATION REINFORCEMENT DETAILS (ELEVATOR 2 & 3)

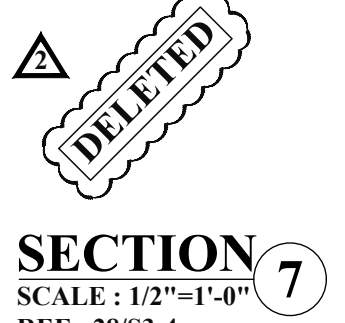
**DETAIL-B**  
SCALE: 1/4"=1'-0"  
REF: S 2-1 & 1/A 5-4



**SECTION 5**  
SCALE: 1/2"=1'-0"  
REF: 14 & 19/S3-4



**SECTION 6**  
SCALE: 1/2"=1'-0"  
REF: 2/S3-4



**SECTION 7**  
SCALE: 1/2"=1'-0"  
REF: 28/S3-4

ABBREVIATIONS

TOP	-
BOTTOM	BOT
TOP&BOTTOM	T&B
CONTINUOUS	CONT
FACE BAR	-
CORNER BAR	COR
VERTICAL	VERT
HORIZONTAL	HOR
STIRRUPS	STIRR
EACH WAY	EW
EACH FACE	EF
INNER FACE	IF
OUTER FACE	OF
EACH SIDE	ES
MASONRY	M
DOWEL	DWL
DOWEL/VERTICAL	D/V
TRANSVERSE	TRANS
LONG WAY BAR	LW
SHORT WAY BAR	SW

(CONCRETE WALL)

SIZE	4000 PSI	
	TOP	OTHER
#3	24"	19"
#4	33"	25"
#5	41"	31"
#6	49"	37"
#7	54"	54"
#8	81"	62"
#9	91"	70"

(MASONRY)

SIZE	LENGTH
#4	25"
#5	40"
#6	54"
#7	63"
#8	72"

(FDN & GRADE BEAM)

SIZE	5000 PSI	
	TOP	OTHER
#3	17"	13"
#4	23"	17"
#5	28"	22"
#6	34"	26"
#7	49"	38"
#8	56"	43"
#9	63"	48"
#10	71"	54"
#11	78"	60"

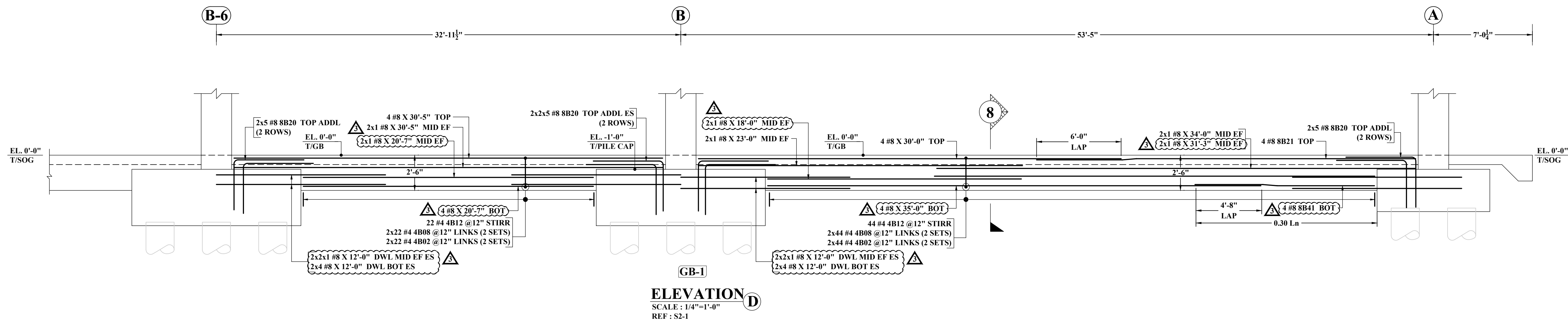
  

SIZE	5000 PSI	
	TOP	OTHER
#3	22"	17"
#4	29"	23"
#5	36"	28"
#6	44"	34"
#7	63"	49"
#8	72"	56"
#9	81"	63"
#10	92"	71"
#11	102"	78"

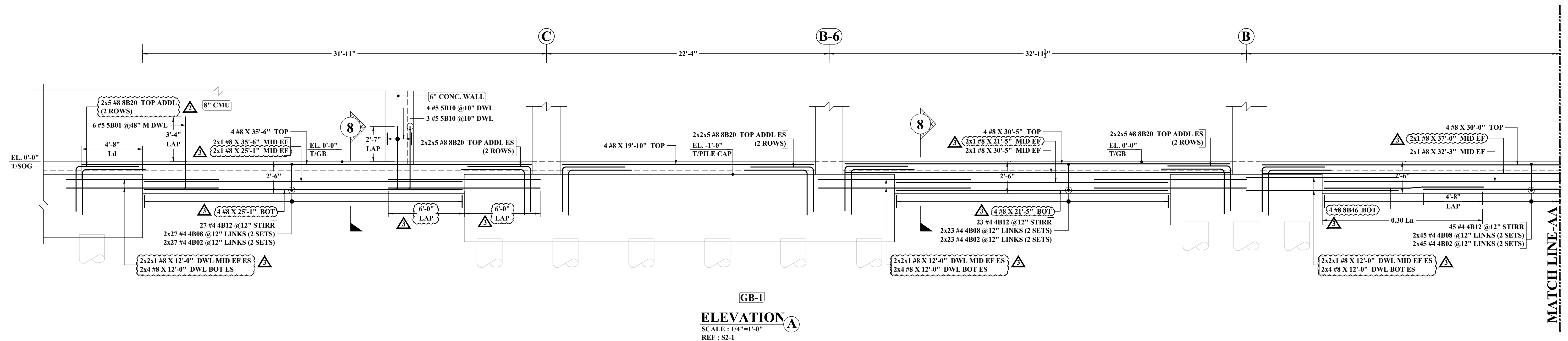
- NOTES:-**
- TYPICAL CLEARANCES  
A). TOP - 2"  
B). BOTTOM - 3"  
C). SIDES - 2"
  - A/E PLEASE VERIFY THE ALL CLOUDED ITEMS
  - PROVIDE FIELD CUT AS REQUIRED LOCATIONS
  - BAR TO BE PLACED AT EQUAL SPACING U.O.N.
  - TILT HOOK TO ACCOMMODATE THE COVER, IF NEED

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

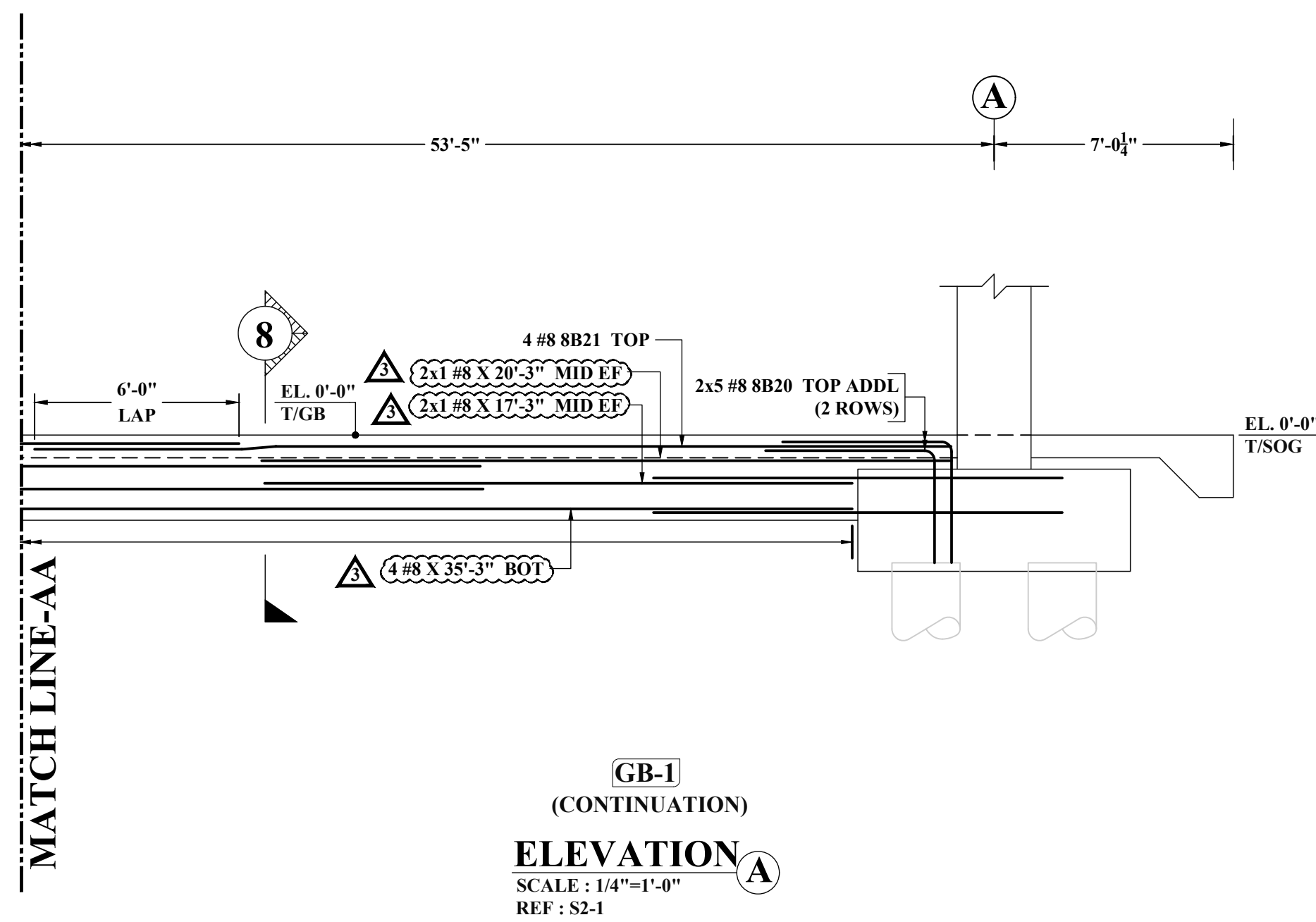
NOTE: REINFORCING STEEL PLACING DRAWINGS TO BE USED ONLY IN CONJUNCTION WITH CONTRACT DRAWINGS AND SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON THIS DRAWING ARE FOR VERIFICATION BY THE EOR OR FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY THE ARCHITECT, ENGINEER OF RECORD, OR CONTRACTOR.



**ELEVATION D**  
SCALE: 1/4"=1'-0"  
REF: S2-1



**ELEVATION A**  
SCALE: 1/4"=1'-0"  
REF: S2-1



**ELEVATION A**  
SCALE: 1/4"=1'-0"  
REF: S2-1

**ABBREVIATIONS**

TOP	-
BOTTOM	BOT
TOP&BOTTOM	T&B
CONTINUOUS	CONT
FACE BAR	-
CORNER BAR	COR
VERTICAL	VERT
HORIZONTAL	HOR
STIRRUPS	STIRR
EACH WAY	EW
EACH FACE	EF
INNER FACE	IF
OUTER FACE	OF
EACH SIDE	ES
MASONRY	M
DWEL	DWL
DOWEL/VERTICAL	D/V
TRANSVERSE	TRANS
LONG WAY BAR	LW
SHORT WAY BAR	SW

**(MASONRY)**  
**LAP SCHEDULE**  
REF: S/S 4-1

SIZE	LENGTH
#4	25"
#5	40"
#6	54"
#7	63"
#8	72"

**(CONCRETE WALL)**  
**LAP SCHEDULE**  
**(CLASS-B)**  
REF: 30/S3-1

SIZE	4000 PSI	
	TOP	OTHER
#3	24"	19"
#4	33"	25"
#5	41"	31"
#6	49"	37"
#7	71"	54"
#8	81"	62"
#9	91"	70"

**(FDN & GRADE BEAM)**  
**DEVELOPMENT LENGTH (Ld)**  
REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	17"	13"
#4	23"	17"
#5	28"	22"
#6	34"	26"
#7	49"	38"
#8	56"	43"
#9	63"	48"
#10	71"	54"
#11	78"	60"

**(FDN & GRADE BEAM)**  
**LAP SCHEDULE**  
**(CLASS-B)**  
REF: 30/S3-1

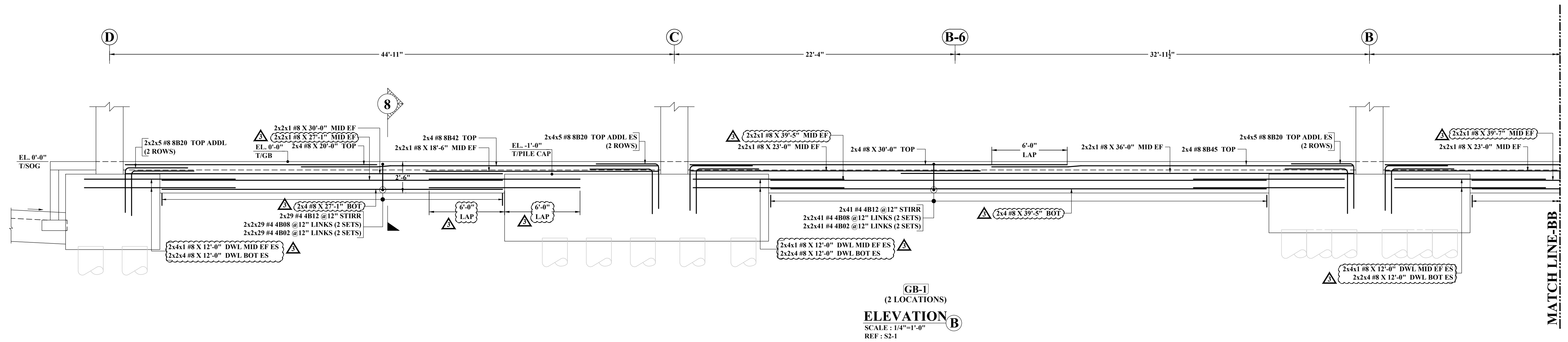
SIZE	5000 PSI	
	TOP	OTHER
#3	22"	17"
#4	29"	23"
#5	36"	28"
#6	44"	34"
#7	63"	49"
#8	72"	56"
#9	81"	63"
#10	92"	71"
#11	102"	78"

- NOTES:-**
- TYPICAL CLEARANCES  
A). TOP - 2"  
B). BOTTOM - 3"  
C). SIDES - 2"
  - A/E PLEASE VERIFY THE ALL CLOUDED ITEMS
  - PROVIDE FIELD CUT AS REQUIRED LOCATIONS
  - BAR TO BE PLACED AT EQUAL SPACING U.O.N.
  - TILT HOOK TO ACCOMMODATE THE COVER, IF NEED

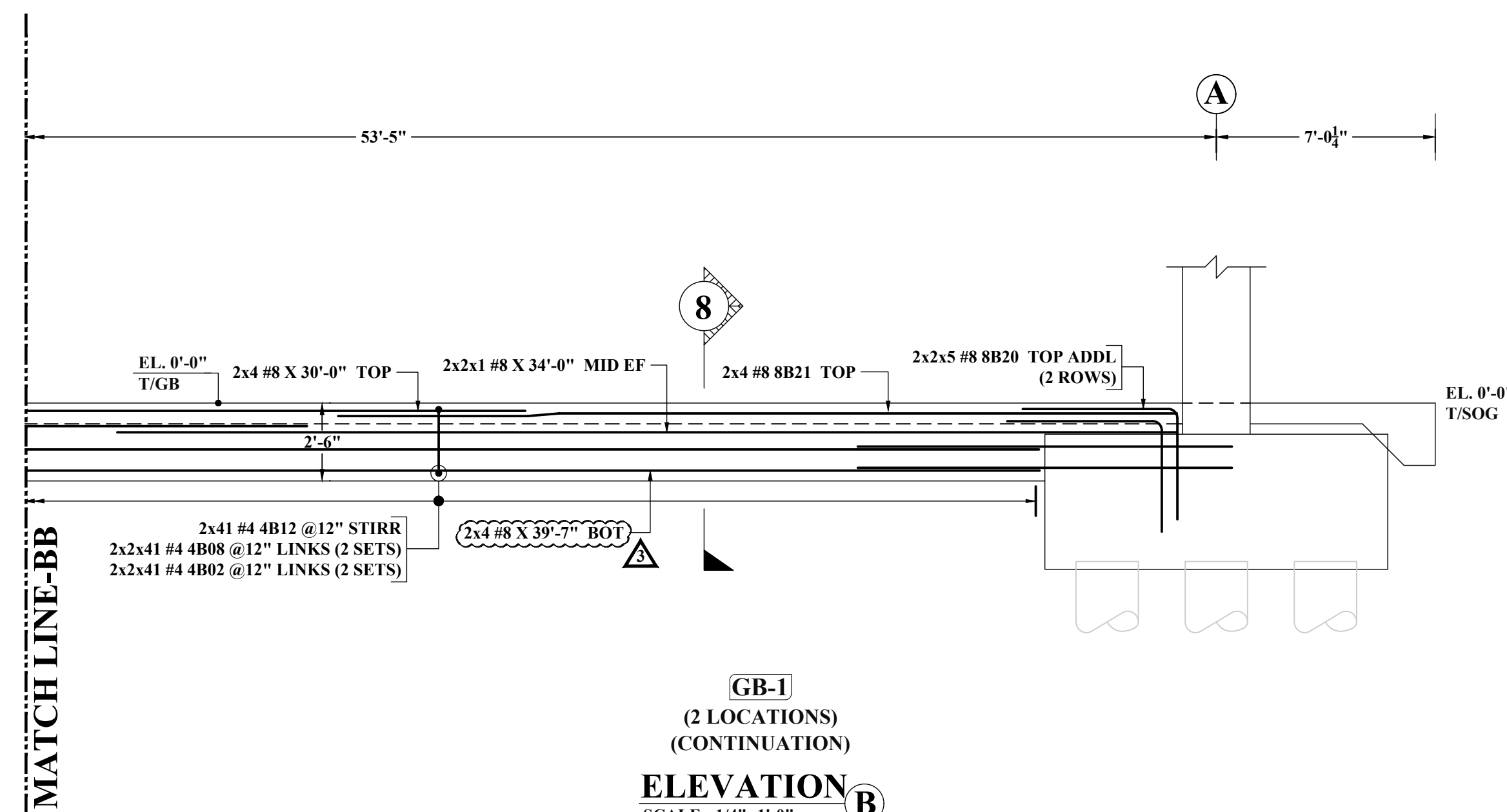
**ALL BARS IN THIS DRAWING ASTM A615 GRADE 60 BLACK UNCOATED**

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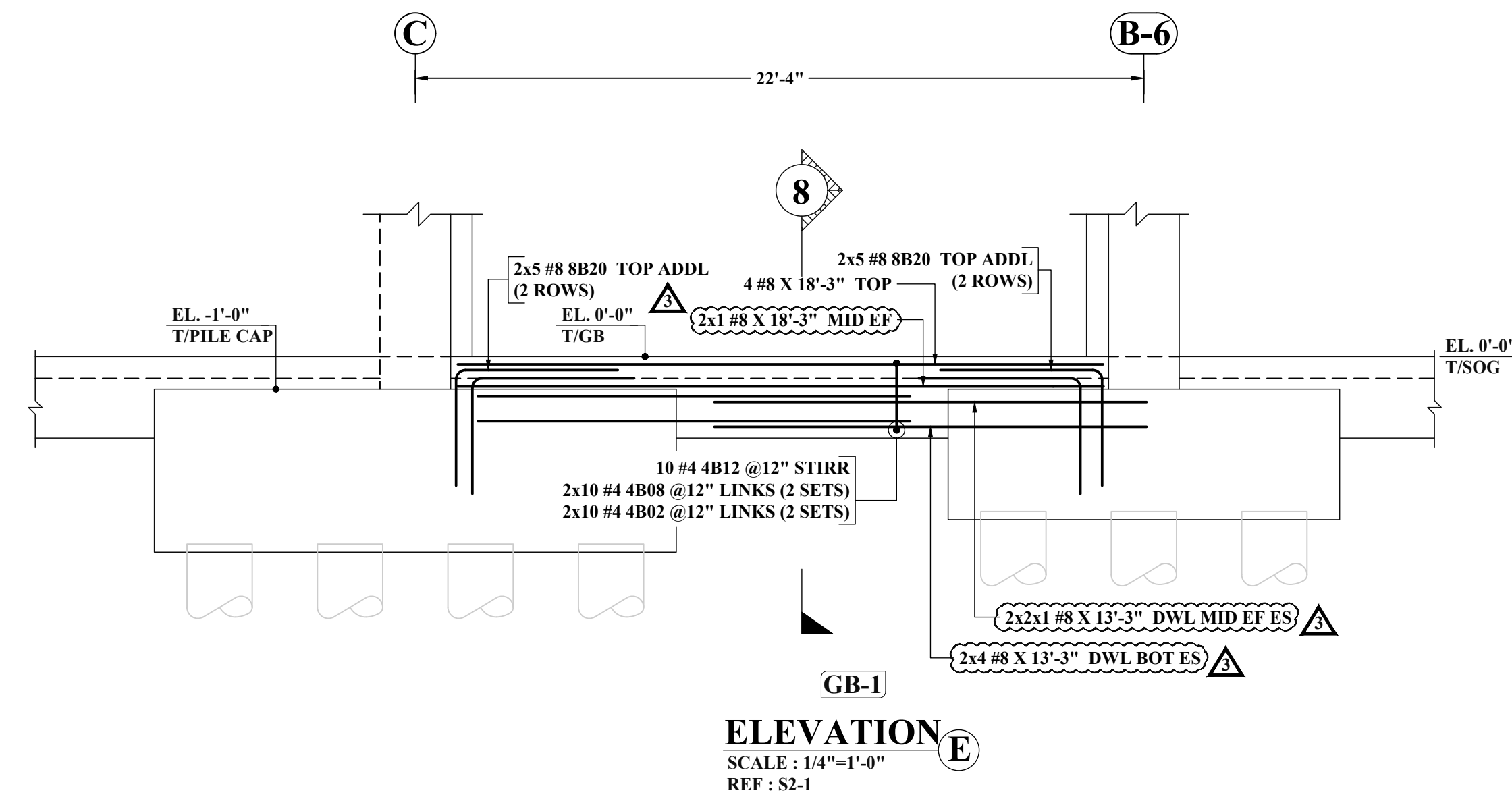




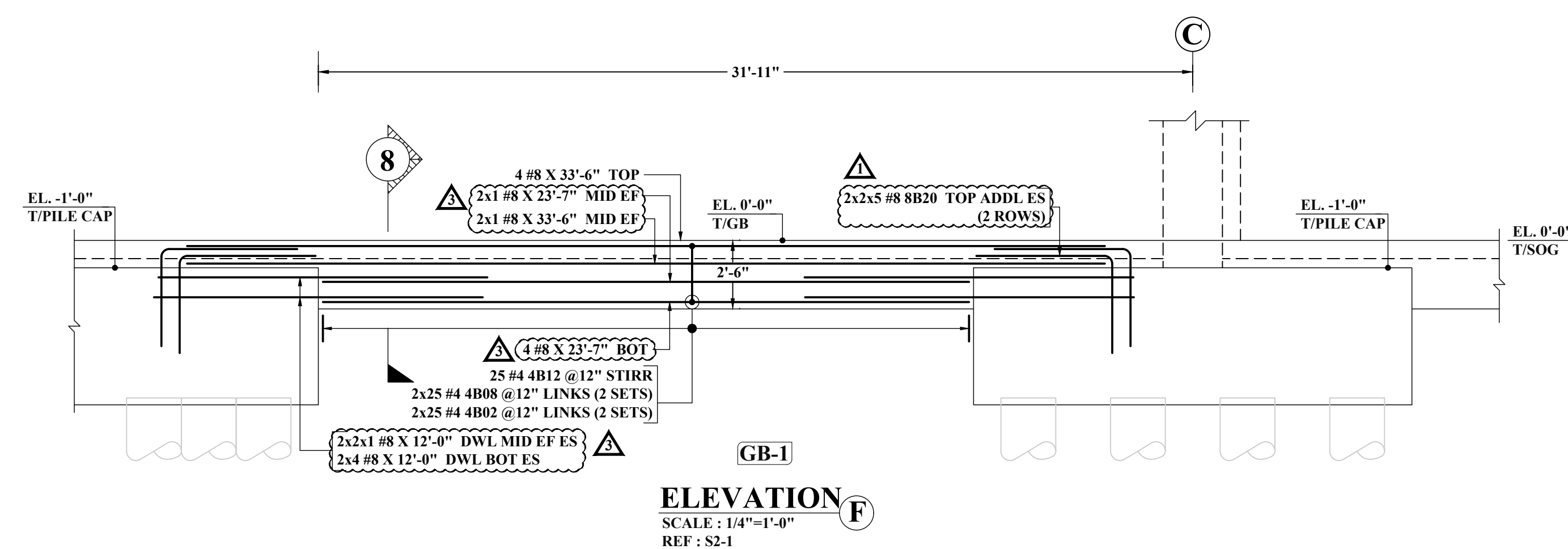
**GB-1**  
(2 LOCATIONS)  
**ELEVATION B**  
SCALE: 1/4"=1'-0"  
REF: S2-1



**GB-1**  
(2 LOCATIONS)  
(CONTINUATION)  
**ELEVATION B**  
SCALE: 1/4"=1'-0"  
REF: S2-1



**GB-1**  
**ELEVATION E**  
SCALE: 1/4"=1'-0"  
REF: S2-1



**GB-1**  
**ELEVATION F**  
SCALE: 1/4"=1'-0"  
REF: S2-1

ABBREVIATIONS	
TOP	-
BOTTOM	BOT
TOP&BOTTOM	T&B
CONTINUOUS	CONT
FACE BAR	-
CORNER BAR	COR
VERTICAL	VERT
HORIZONTAL	HOR
STIRRUPS	STIRR
EACH WAY	EW
EACH FACE	EF
INNER FACE	IF
OUTER FACE	OF
EACH SIDE	ES
MASONRY	M
DOWEL	DWL
DOWEL/VERTICAL	D/V
TRANSVERSE	TRANS
LONG WAY BAR	LW
SHORT WAY BAR	SW

(MASONRY)  
**LAP SCHEDULE**  
REF: 5/S 4-1

SIZE	LENGTH
#4	25"
#5	40"
#6	54"
#7	63"
#8	72"

(CONCRETE WALL)  
**LAP SCHEDULE**  
(CLASS-B)  
REF: 30/S3-1

SIZE	4000 PSI	
	TOP	OTHER
#3	24"	19"
#4	33"	25"
#5	41"	31"
#6	49"	37"
#7	71"	54"
#8	81"	62"
#9	91"	70"

(FDN & GRADE BEAM)  
**DEVELOPMENT LENGTH (Ld)**  
REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	17"	13"
#4	23"	17"
#5	28"	22"
#6	34"	26"
#7	49"	38"
#8	56"	43"
#9	63"	48"
#10	71"	54"
#11	78"	60"

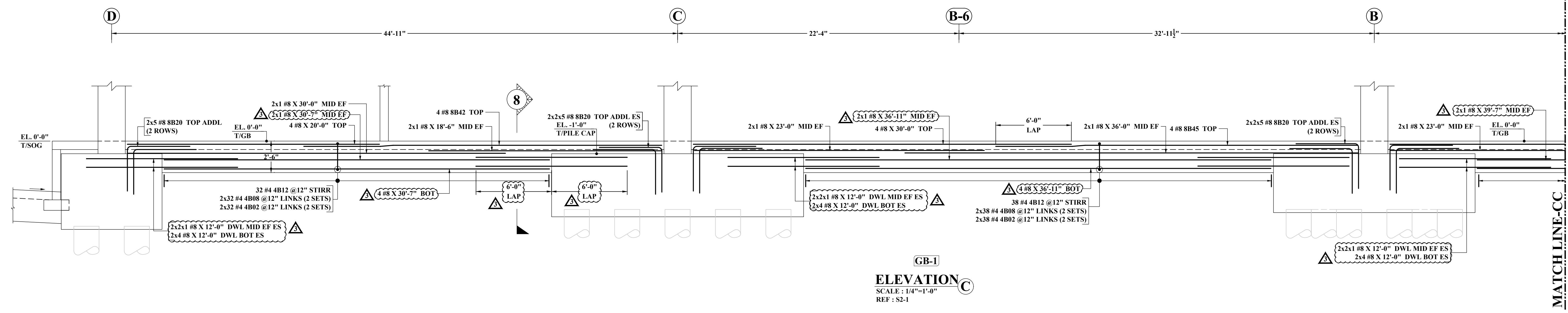
(FDN & GRADE BEAM)  
**LAP SCHEDULE**  
(CLASS-B)  
REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	22"	17"
#4	29"	23"
#5	36"	28"
#6	44"	34"
#7	63"	49"
#8	72"	56"
#9	81"	63"
#10	92"	71"
#11	102"	78"

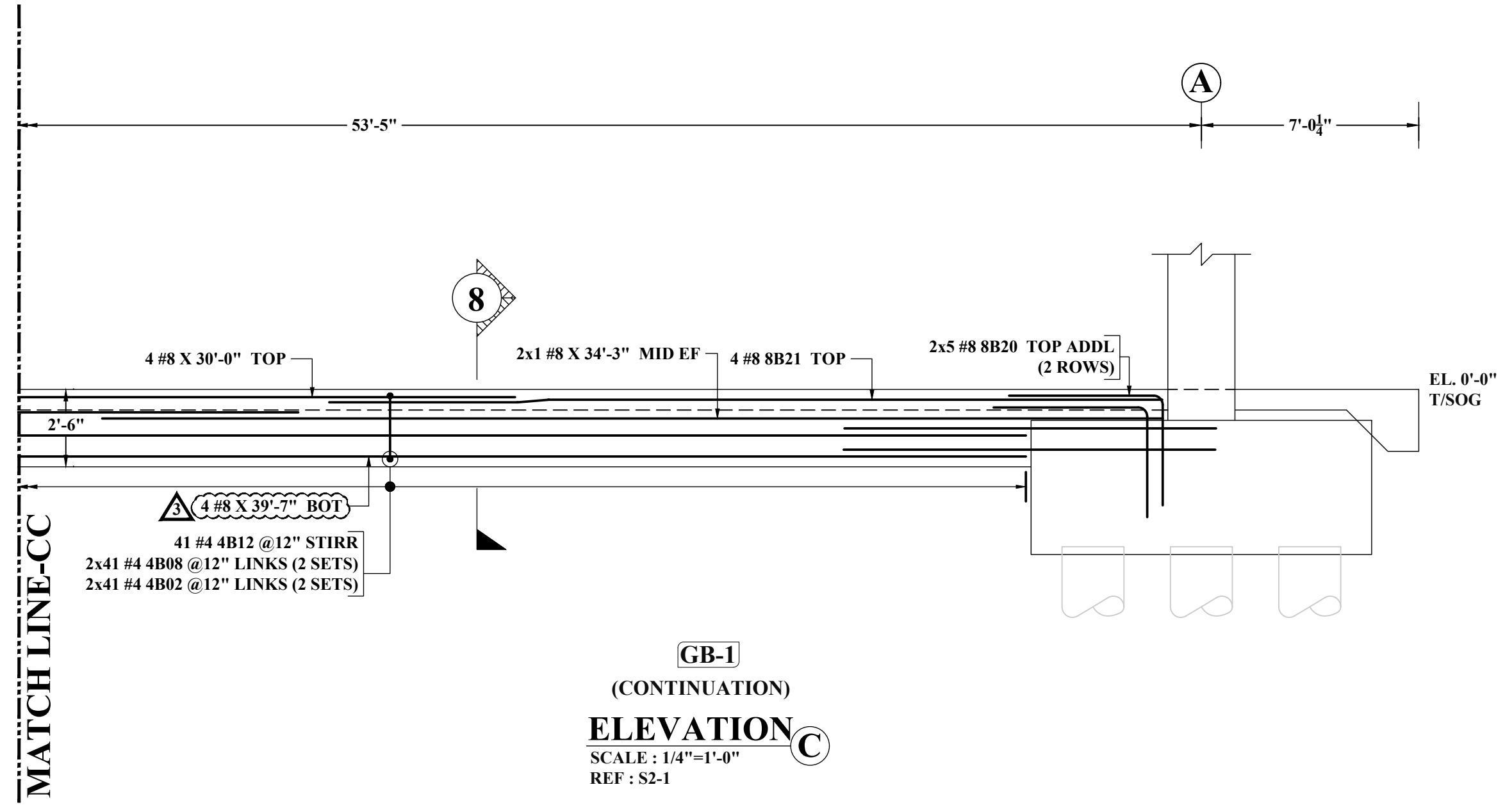
**NOTES:-**

- TYPICAL CLEARANCES  
A). TOP - 2"  
B). BOTTOM - 3"  
C). SIDES - 2"
- A/E PLEASE VERIFY THE ALL CLOUDED ITEMS
- PROVIDE FIELD CUT AS REQUIRED LOCATIONS
- BAR TO BE PLACED AT EQUAL SPACING U.O.N.
- TILT HOOK TO ACCOMMODATE THE COVER, IF NEED

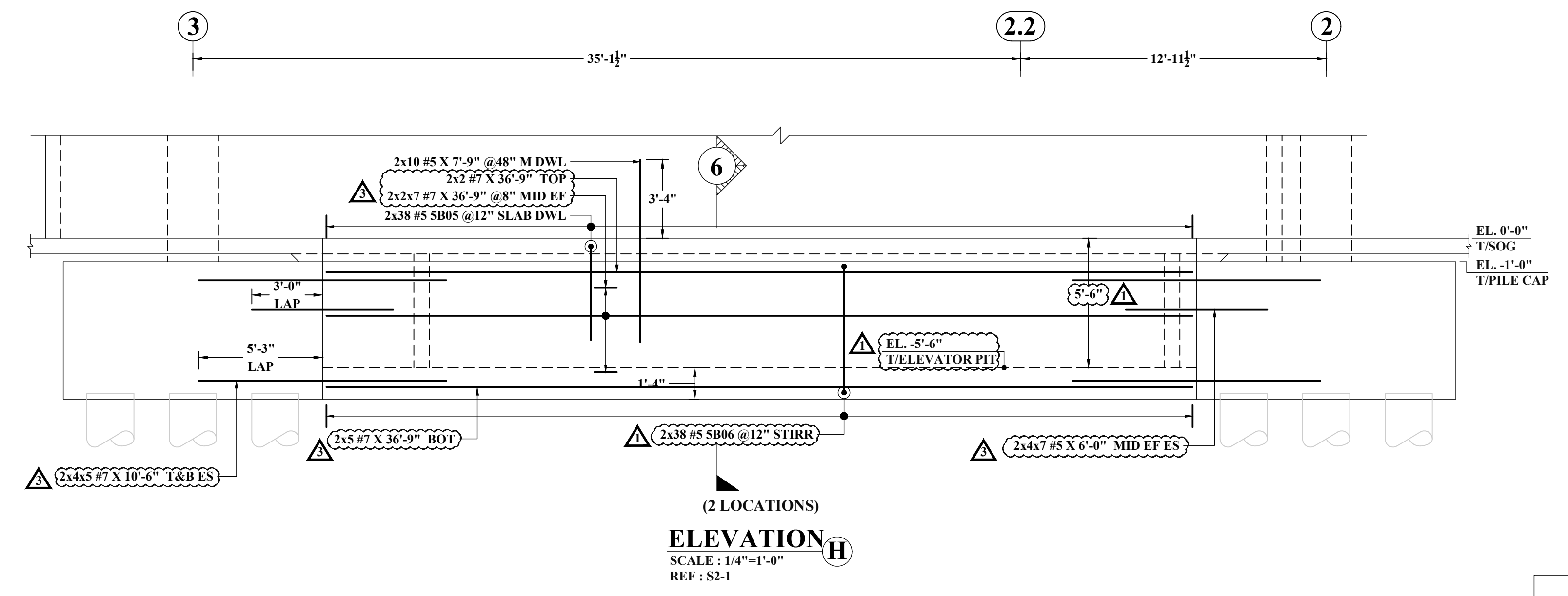
**ALL BARS IN THIS DRAWING ASTM A615 GRADE 60 BLACK UNCOATED**



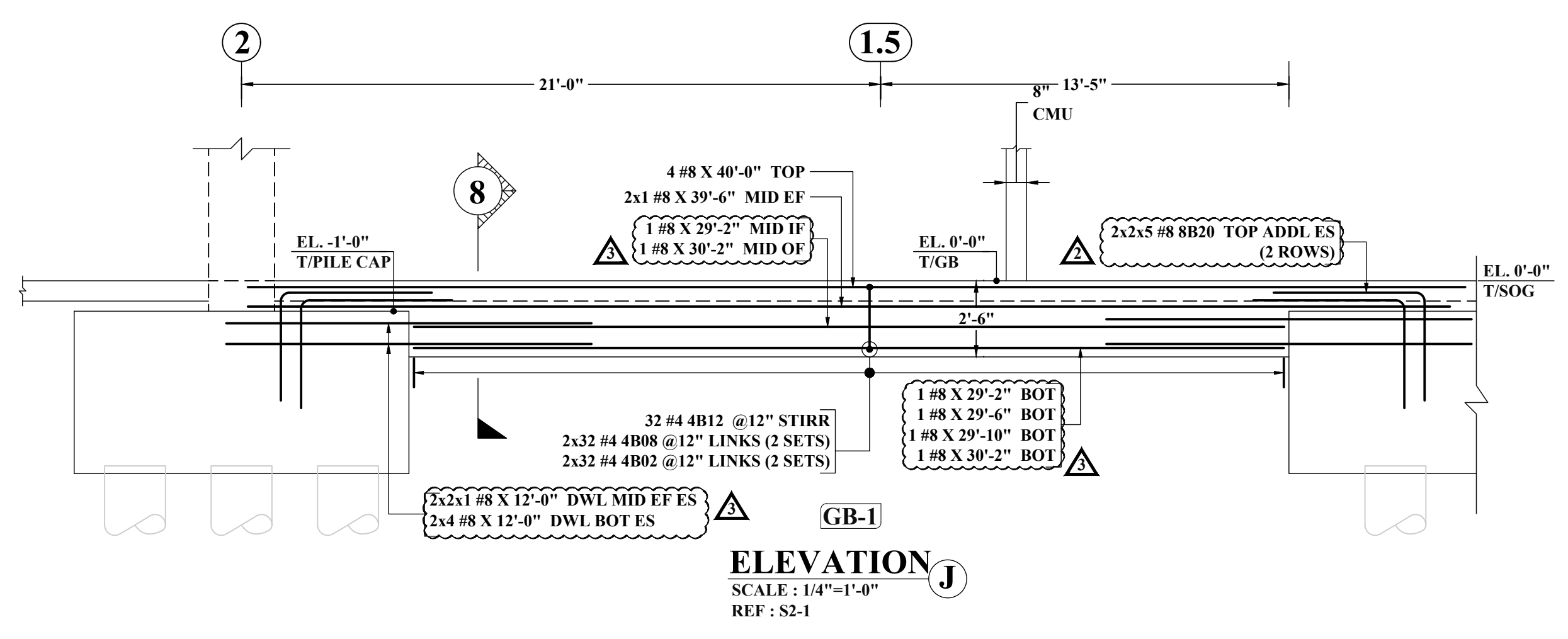
**GB-1**  
**ELEVATION C**  
SCALE: 1/4"=1'-0"  
REF: S2-1



**GB-1**  
**(CONTINUATION)**  
**ELEVATION C**  
SCALE: 1/4"=1'-0"  
REF: S2-1



**(2 LOCATIONS)**  
**ELEVATION H**  
SCALE: 1/4"=1'-0"  
REF: S2-1



**GB-1**  
**ELEVATION J**  
SCALE: 1/4"=1'-0"  
REF: S2-1

**ABBREVIATIONS**

TOP	-
BOTTOM	BOT
TOP&BOTTOM	T&B
CONTINUOUS	CONT
FACE BAR	-
CORNER BAR	COR
VERTICAL	VERT
HORIZONTAL	HOR
STIRRUPS	STIRR
EACH WAY	EW
EACH FACE	EF
INNER FACE	IF
OUTER FACE	OF
EACH SIDE	ES
MASONRY	M
DOWEL	DWL
DOWEL/VERTICAL	D/V
TRANSVERSE	TRANS
LONG WAY BAR	LW
SHORT WAY BAR	SW

**(MASONRY)**  
**LAP SCHEDULE**  
REF: 5/S 4-1

SIZE	LENGTH
#4	25"
#5	40"
#6	54"
#7	63"
#8	72"

**(CONCRETE WALL)**  
**LAP SCHEDULE**  
**(CLASS-B)**  
REF: 30/S3-1

SIZE	4000 PSI	
	TOP	OTHER
#3	24"	19"
#4	33"	25"
#5	41"	31"
#6	49"	37"
#7	71"	54"
#8	81"	62"
#9	91"	70"

**(FDN & GRADE BEAM)**  
**DEVELOPMENT LENGTH (Ld)**  
REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	17"	13"
#4	23"	17"
#5	28"	22"
#6	34"	26"
#7	49"	38"
#8	56"	43"
#9	63"	48"
#10	71"	54"
#11	78"	60"

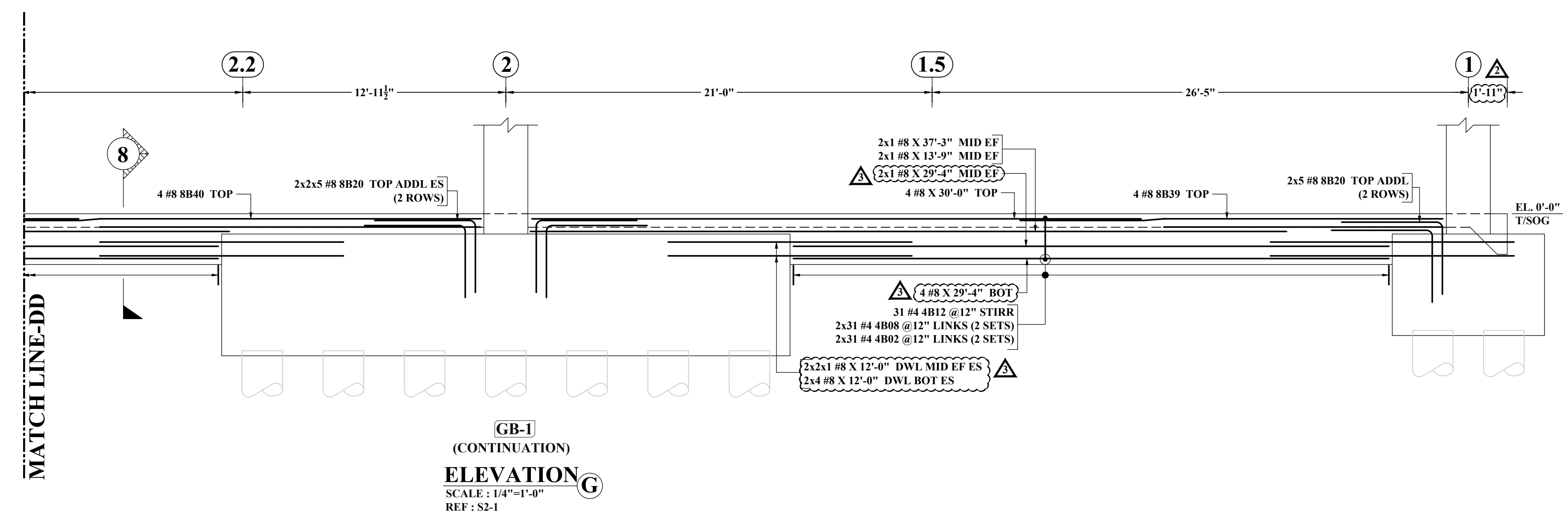
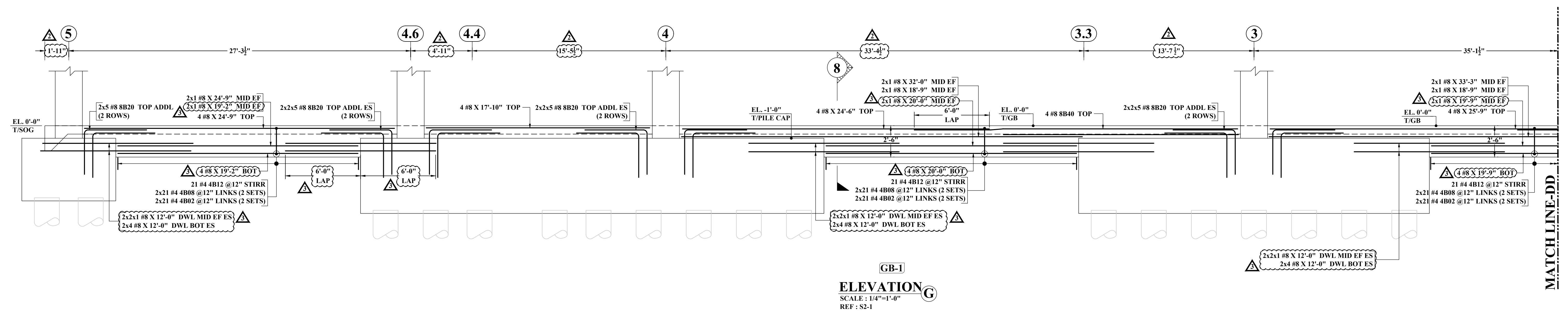
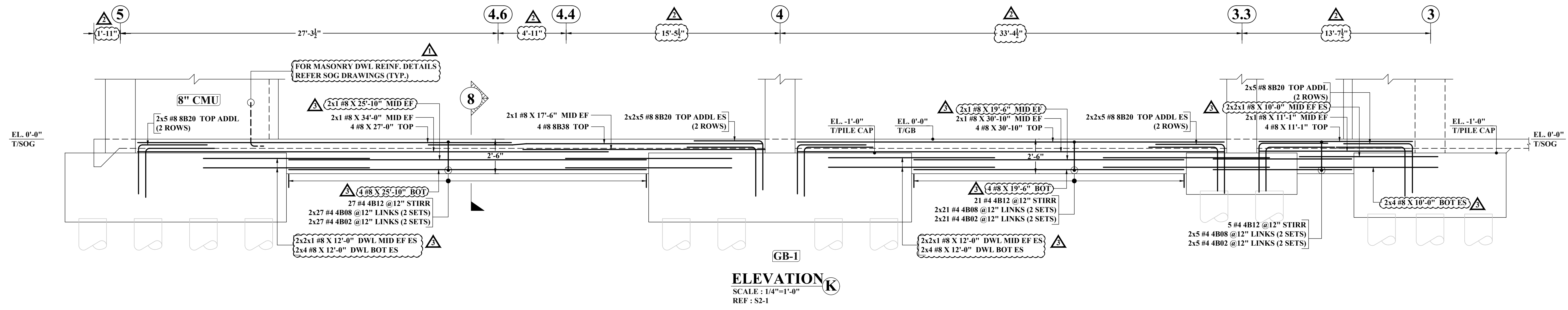
**(FDN & GRADE BEAM)**  
**LAP SCHEDULE**  
**(CLASS-B)**  
REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	22"	17"
#4	29"	23"
#5	36"	28"
#6	44"	34"
#7	63"	49"
#8	72"	56"
#9	81"	63"
#10	92"	71"
#11	102"	78"

- NOTES:-**
- TYPICAL CLEARANCES  
A). TOP - 2"  
B). BOTTOM - 3"  
C). SIDES - 2"
  - A/E PLEASE VERIFY THE ALL CLOUDED ITEMS
  - PROVIDE FIELD CUT AS REQUIRED LOCATIONS
  - BAR TO BE PLACED AT EQUAL SPACING U.O.N.
  - TILT HOOK TO ACCOMMODATE THE COVER, IF NEED

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

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**ABBREVIATIONS**

TOP	-
BOTTOM	BOT
TOP&BOTTOM	T&B
CONTINUOUS	CONT
FACE BAR	-
CORNER BAR	COR
VERTICAL	VERT
HORIZONTAL	HOR
STIRRUPS	STIRR
EACH WAY	EW
EACH FACE	EF
INNER FACE	IF
OUTER FACE	OF
EACH SIDE	ES
MASONRY	M
DOWEL	DWL
DOWEL/VERTICAL	D/V
TRANSVERSE	TRANS
LONG WAY BAR	LW
SHORT WAY BAR	SW

**(MASONRY)**  
**LAP SCHEDULE**  
REF: 30/S3-1

SIZE	LENGTH
#4	25"
#5	40"
#6	54"
#7	63"
#8	72"

**(CONCRETE WALL)**  
**LAP SCHEDULE**  
**(CLASS-B)**  
REF: 30/S3-1

SIZE	4000 PSI	
	TOP	OTHER
#3	24"	19"
#4	33"	25"
#5	41"	31"
#6	49"	37"
#7	71"	54"
#8	81"	62"
#9	91"	70"

**(FDN & GRADE BEAM)**  
**DEVELOPMENT LENGTH (Ld)**  
REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	17"	13"
#4	23"	17"
#5	28"	22"
#6	34"	26"
#7	49"	38"
#8	56"	43"
#9	63"	48"
#10	71"	54"
#11	78"	60"

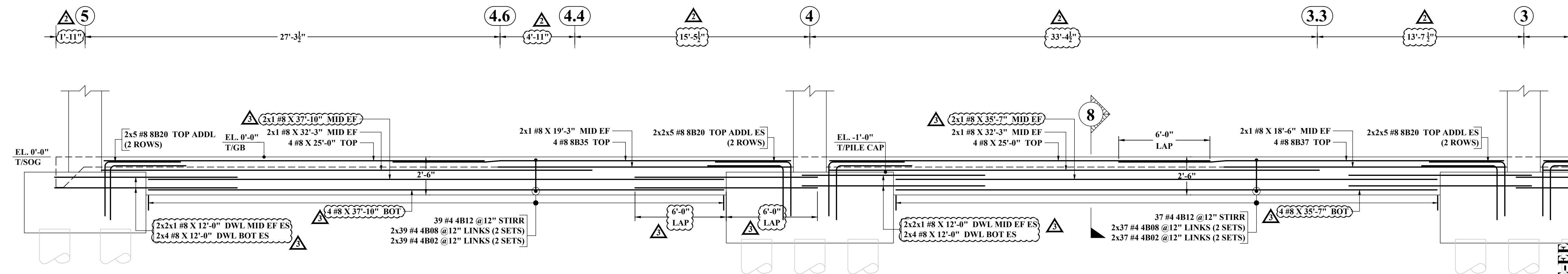
**(FDN & GRADE BEAM)**  
**LAP SCHEDULE**  
**(CLASS-B)**  
REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	22"	17"
#4	29"	23"
#5	36"	28"
#6	44"	34"
#7	63"	49"
#8	72"	56"
#9	81"	63"
#10	92"	71"
#11	102"	78"

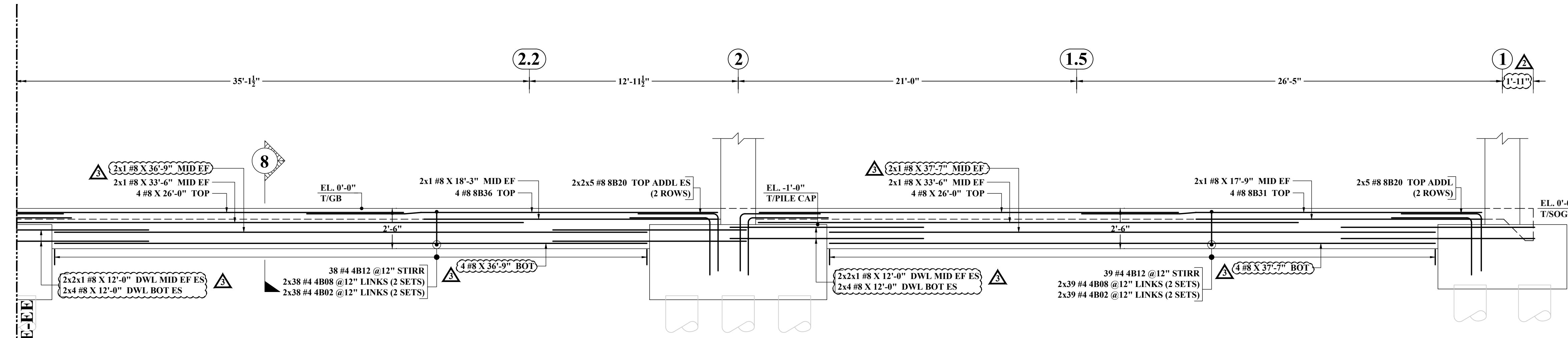
- NOTES:-**
- TYPICAL CLEARANCES  
A). TOP - 2"  
B). BOTTOM - 3"  
C). SIDES - 2"
  - A/E PLEASE VERIFY THE ALL CLOUDED ITEMS
  - PROVIDE FIELD CUT AS REQUIRED LOCATIONS
  - BAR TO BE PLACED AT EQUAL SPACING U.O.N.
  - TILT HOOK TO ACCOMMODATE THE COVER, IF NEED

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

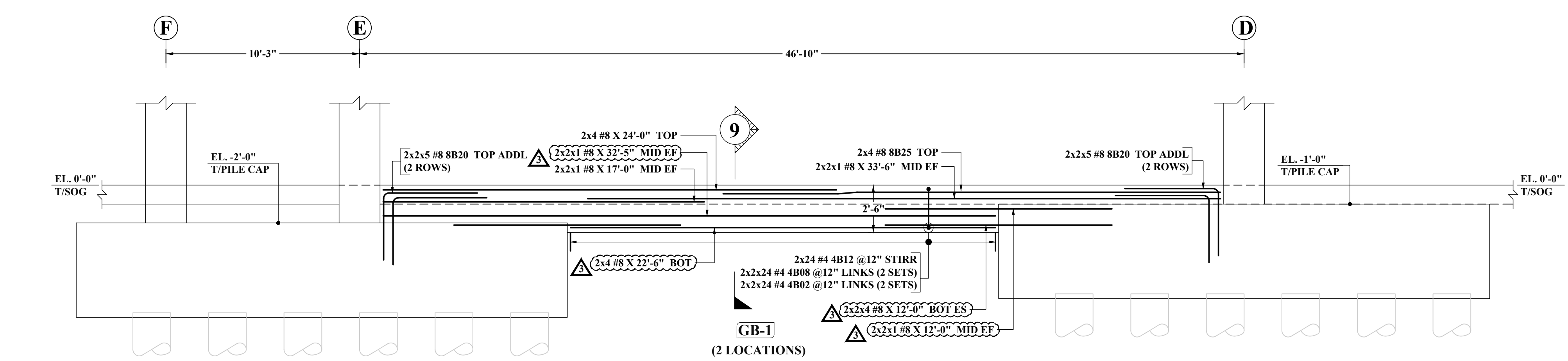
NOTE: REINFORCING STEEL PLACING DRAWINGS TO BE USED ONLY IN CONJUNCTION WITH CONTRACT DRAWINGS AND SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON THIS DRAWING ARE FOR VERIFICATION BY THE EOR OR FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY THE ARCHITECT, ENGINEER OF RECORD, OR CONTRACTOR.



GB-1  
ELEVATION L  
SCALE: 1/4"=1'-0"  
REF: S2-1



GB-1  
(CONTINUATION)  
ELEVATION L  
SCALE: 1/4"=1'-0"  
REF: S2-1



GB-1  
(2 LOCATIONS)  
ELEVATION P  
SCALE: 1/4"=1'-0"  
REF: S2-1

ABBREVIATIONS

TOP	-
BOTTOM	BOT
TOP&BOTTOM	T&B
CONTINUOUS	CONT
FACE BAR	-
CORNER BAR	COR
VERTICAL	VERT
HORIZONTAL	HOR
STIRRUPS	STIRR
EACH WAY	EW
EACH FACE	EF
INNER FACE	IF
OUTER FACE	OF
EACH SIDE	ES
MASONRY	M
DOWEL	DWL
DOWEL/VERTICAL	D/V
TRANSVERSE	TRANS
LONG WAY BAR	LW
SHORT WAY BAR	SW

(CONCRETE WALL)

LAP SCHEDULE (CLASS-B)  
REF: 30/S3-1

SIZE	4000 PSI	
	TOP	OTHER
#3	24"	19"
#4	33"	25"
#5	41"	31"
#6	49"	37"
#7	71"	54"
#8	81"	62"
#9	91"	70"

(MASONRY)

LAP SCHEDULE (CLASS-B)  
REF: 5/S 4-1

SIZE	5000 PSI	
	TOP	OTHER
#3	17"	13"
#4	23"	17"
#5	28"	22"
#6	34"	26"
#7	49"	38"
#8	56"	43"
#9	63"	48"
#10	71"	54"
#11	78"	60"

(FDN & GRADE BEAM)

DEVELOPMENT LENGTH (Ld)  
REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	17"	13"
#4	23"	17"
#5	28"	22"
#6	34"	26"
#7	49"	38"
#8	56"	43"
#9	63"	48"
#10	71"	54"
#11	78"	60"

(FDN & GRADE BEAM)

LAP SCHEDULE (CLASS-B)  
REF: 30/S3-1

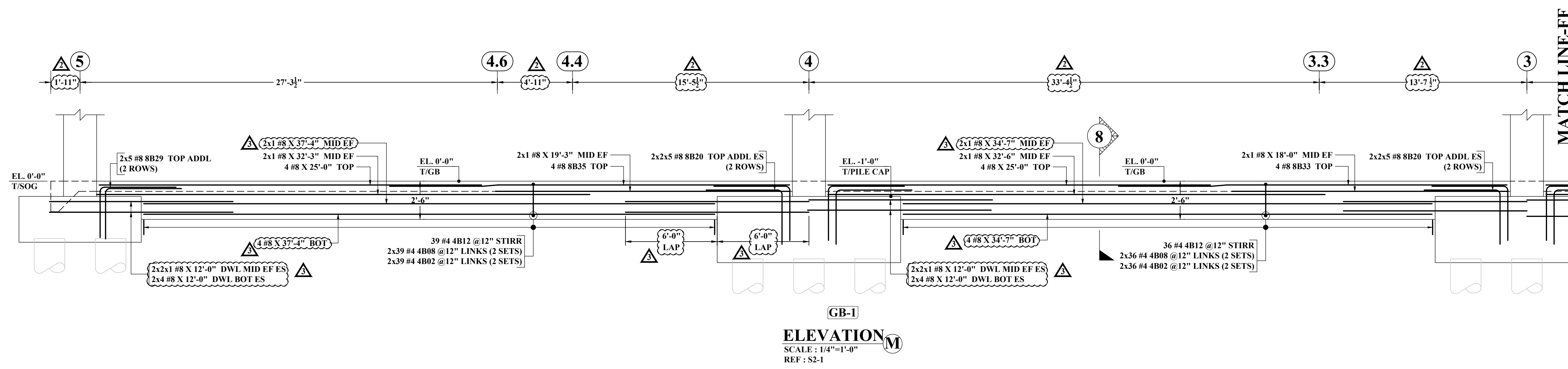
SIZE	5000 PSI	
	TOP	OTHER
#3	22"	17"
#4	29"	23"
#5	36"	28"
#6	44"	34"
#7	63"	49"
#8	72"	56"
#9	81"	63"
#10	92"	71"
#11	102"	78"

- NOTES:-
- TYPICAL CLEARANCES  
A). TOP - 2"  
B). BOTTOM - 3"  
C). SIDES - 2"
  - A/E PLEASE VERIFY THE ALL CLOUDED ITEMS
  - PROVIDE FIELD CUT AS REQUIRED LOCATIONS
  - BAR TO BE PLACED AT EQUAL SPACING U.O.N.
  - TILT HOOK TO ACCOMMODATE THE COVER, IF NEED

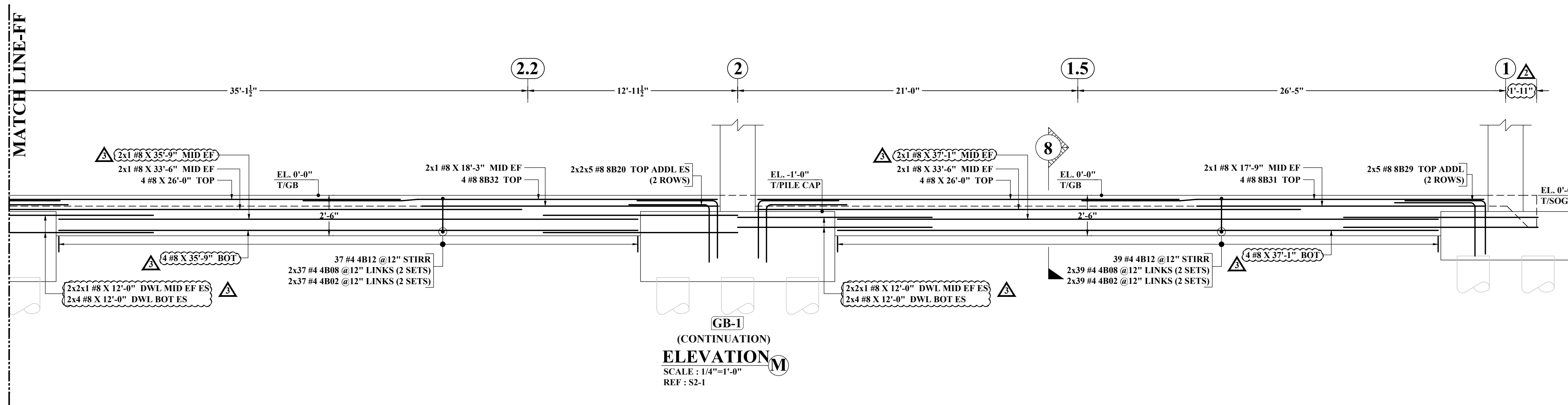
ALL BARS IN THIS DRAWING ASTM A615 GRADE 60 BLACK UNCOATED

NOTE: REINFORCING STEEL PLACING DRAWINGS TO BE USED ONLY IN CONJUNCTION WITH CONTRACT DRAWINGS AND SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON THIS DRAWING ARE FOR VERIFICATION BY THE EOR OR FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY THE ARCHITECT, ENGINEER OF RECORD, OR CONTRACTOR.

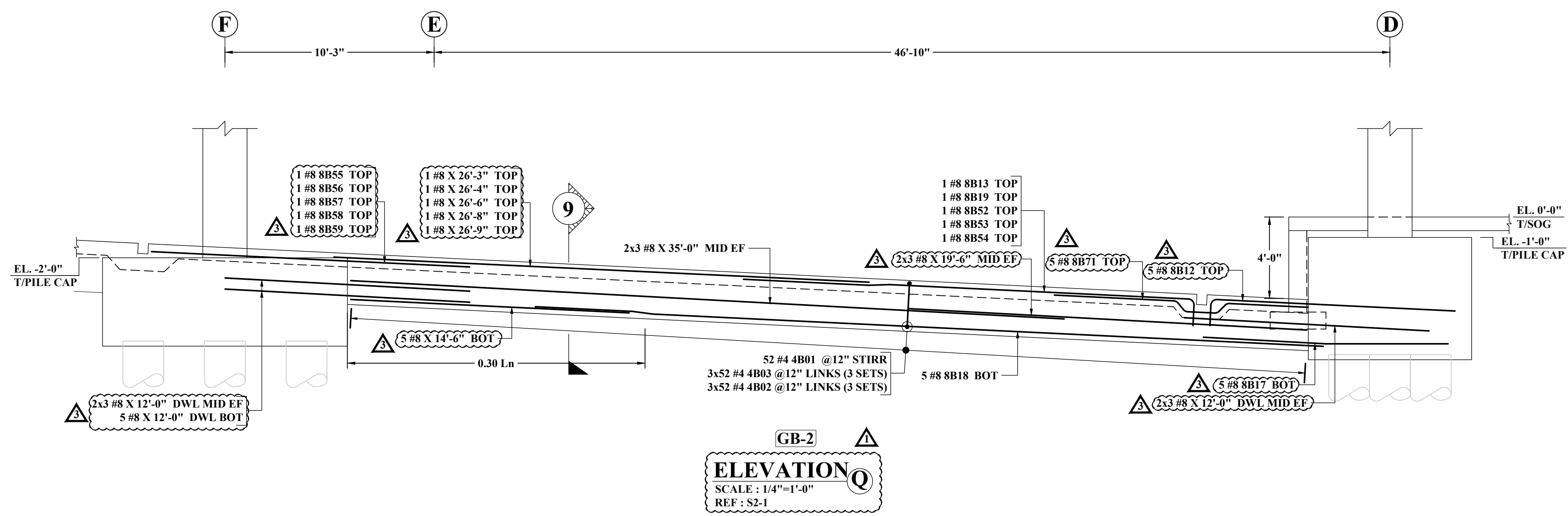




GB-1  
ELEVATION M  
SCALE: 1/4"=1'-0"  
REF: S2-1



GB-1  
(CONTINUATION)  
ELEVATION M  
SCALE: 1/4"=1'-0"  
REF: S2-1



GB-2  
ELEVATION Q  
SCALE: 1/4"=1'-0"  
REF: S2-1

ABBREVIATIONS

TOP	-
BOTTOM	BOT
TOP&BOTTOM	T&B
CONTINUOUS	CONT
FACE BAR	-
CORNER BAR	COR
VERTICAL	VERT
HORIZONTAL	HOR
STIRRUPS	STIRR
EACH WAY	EW
EACH FACE	EF
INNER FACE	IF
OUTER FACE	OF
EACH SIDE	ES
MASONRY	M
DOWEL	DWL
DOWEL/VERTICAL	D/V
TRANSVERSE	TRANS
LONG WAY BAR	LW
SHORT WAY BAR	SW

(MASONRY)  
LAP SCHEDULE  
REF: 30/S3-1

SIZE	LENGTH
#4	25"
#5	40"
#6	54"
#7	63"
#8	72"

(CONCRETE WALL)  
LAP SCHEDULE  
(CLASS-B)  
REF: 30/S3-1

SIZE	4000 PSI	
	TOP	OTHER
#3	24"	19"
#4	33"	25"
#5	41"	31"
#6	49"	37"
#7	71"	54"
#8	81"	62"
#9	91"	70"

(FDN & GRADE BEAM)  
DEVELOPMENT LENGTH (Ld)  
REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	17"	13"
#4	23"	17"
#5	28"	22"
#6	34"	26"
#7	49"	38"
#8	56"	43"
#9	63"	48"
#10	71"	54"
#11	78"	60"

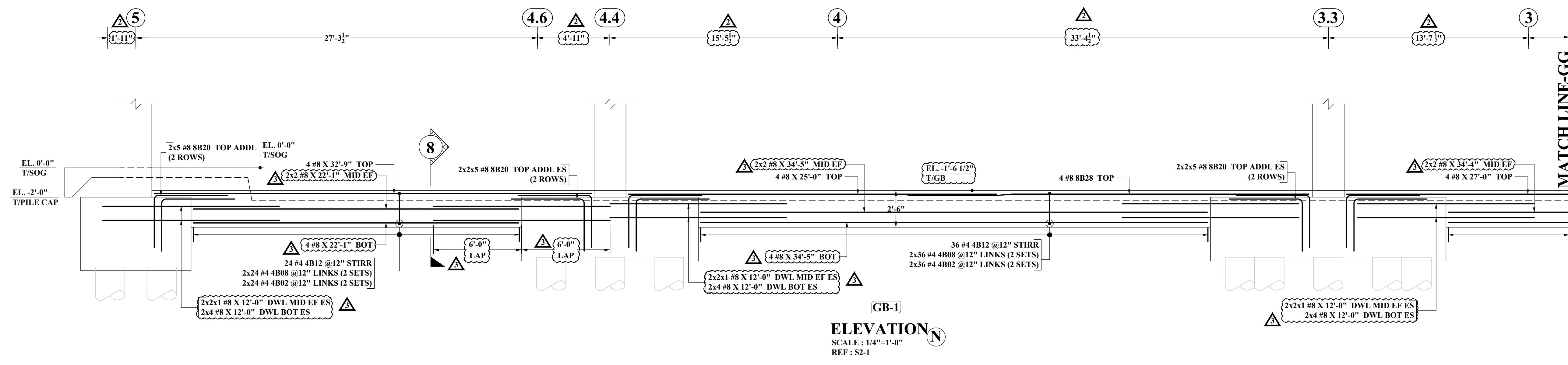
(FDN & GRADE BEAM)  
LAP SCHEDULE  
(CLASS-B)  
REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	22"	17"
#4	29"	23"
#5	36"	28"
#6	44"	34"
#7	63"	49"
#8	72"	56"
#9	81"	63"
#10	92"	71"
#11	102"	78"

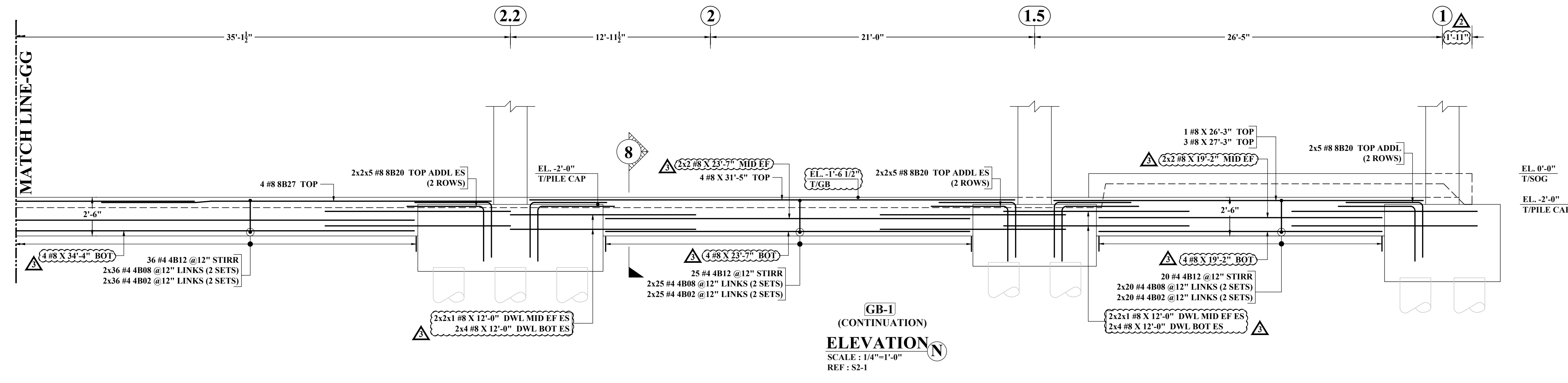
- NOTES:-
- TYPICAL CLEARANCES  
A). TOP - 2"  
B). BOTTOM - 3"  
C). SIDES - 2"
  - A/E PLEASE VERIFY THE ALL CLOUDED ITEMS
  - PROVIDE FIELD CUT AS REQUIRED LOCATIONS
  - BAR TO BE PLACED AT EQUAL SPACING U.O.N.
  - TILT HOOK TO ACCOMMODATE THE COVER, IF NEED

ALL BARS IN THIS DRAWING ASTM A615 GRADE 60 BLACK UNCOATED

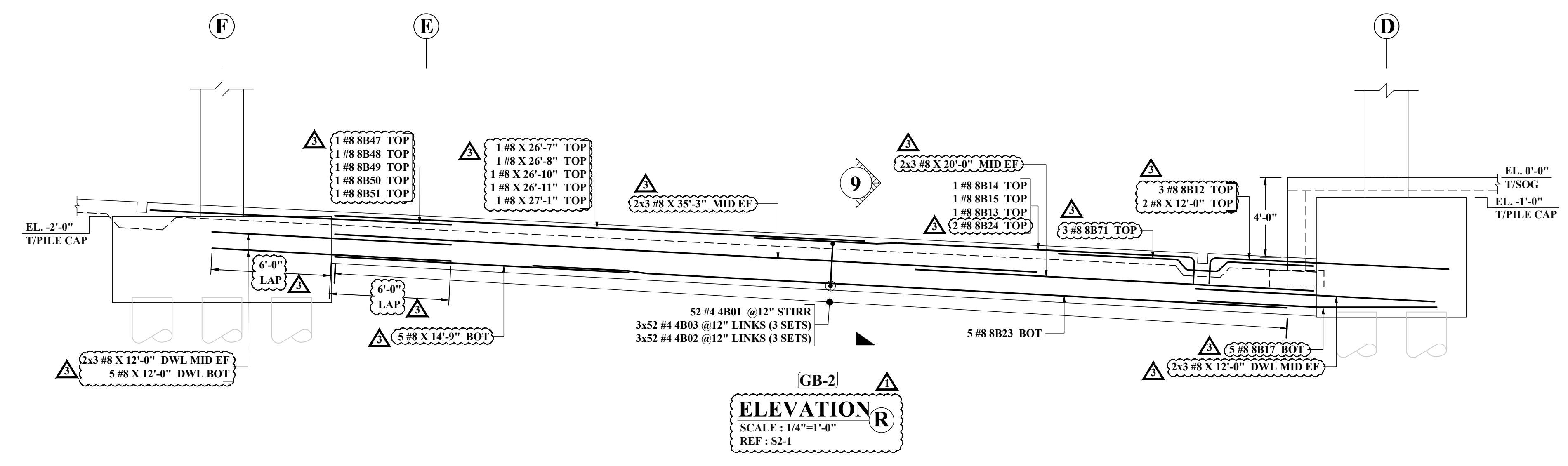
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**ELEVATION N**  
SCALE: 1/4"=1'-0"  
REF: S2-1



**ELEVATION N (CONTINUATION)**  
SCALE: 1/4"=1'-0"  
REF: S2-1



**ELEVATION R**  
SCALE: 1/4"=1'-0"  
REF: S2-1

**ABBREVIATIONS**

TOP	-
BOTTOM	BOT
TOP&BOTTOM	T&B
CONTINUOUS	CONT
FACE BAR	-
CORNER BAR	COR
VERTICAL	VERT
HORIZONTAL	HOR
STIRRUPS	STIRR
EACH WAY	EW
EACH FACE	EF
INNER FACE	IF
OUTER FACE	OF
EACH SIDE	ES
MASONRY	M
DOWEL	DWL
DOWEL/VERTICAL	D/V
TRANSVERSE	TRANS
LONG WAY BAR	LW
SHORT WAY BAR	SW

**(MASONRY)**  
**LAP SCHEDULE**  
REF: 30/S3-1

SIZE	LENGTH
#4	25"
#5	40"
#6	54"
#7	63"
#8	72"

**(CONCRETE WALL)**  
**LAP SCHEDULE (CLASS-B)**  
REF: 30/S3-1

SIZE	4000 PSI	
	TOP	OTHER
#3	24"	19"
#4	33"	25"
#5	41"	31"
#6	49"	37"
#7	71"	54"
#8	81"	62"
#9	91"	70"

**(FDN & GRADE BEAM)**  
**DEVELOPMENT LENGTH (Ld)**  
REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	17"	13"
#4	23"	17"
#5	28"	22"
#6	34"	26"
#7	49"	38"
#8	56"	43"
#9	63"	48"
#10	71"	54"
#11	78"	60"

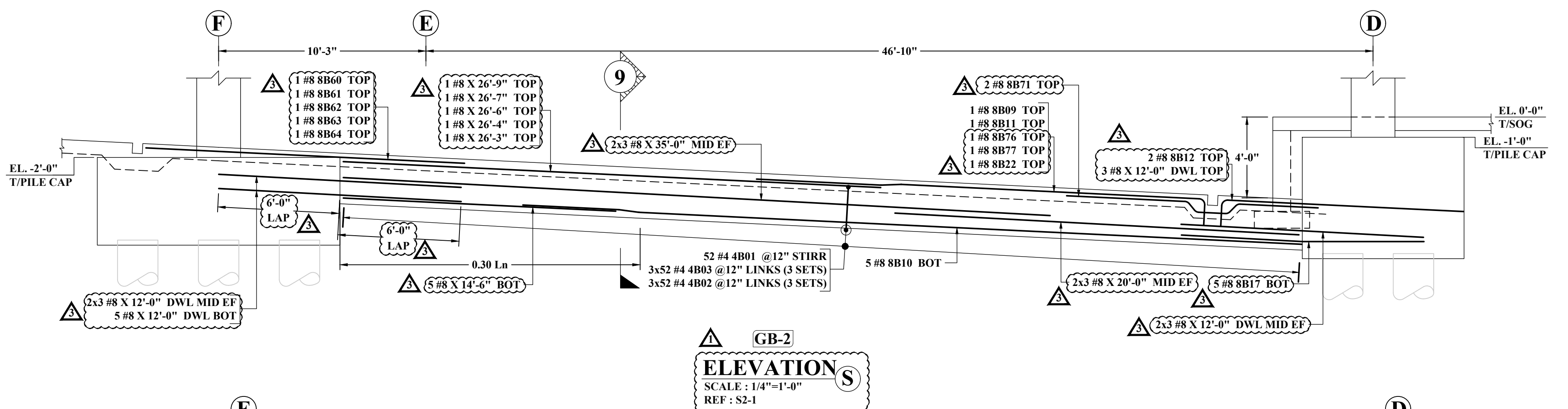
**(FDN & GRADE BEAM)**  
**LAP SCHEDULE (CLASS-B)**  
REF: 30/S3-1

SIZE	5000 PSI	
	TOP	OTHER
#3	22"	17"
#4	29"	23"
#5	36"	28"
#6	44"	34"
#7	63"	49"
#8	72"	56"
#9	81"	63"
#10	92"	71"
#11	102"	78"

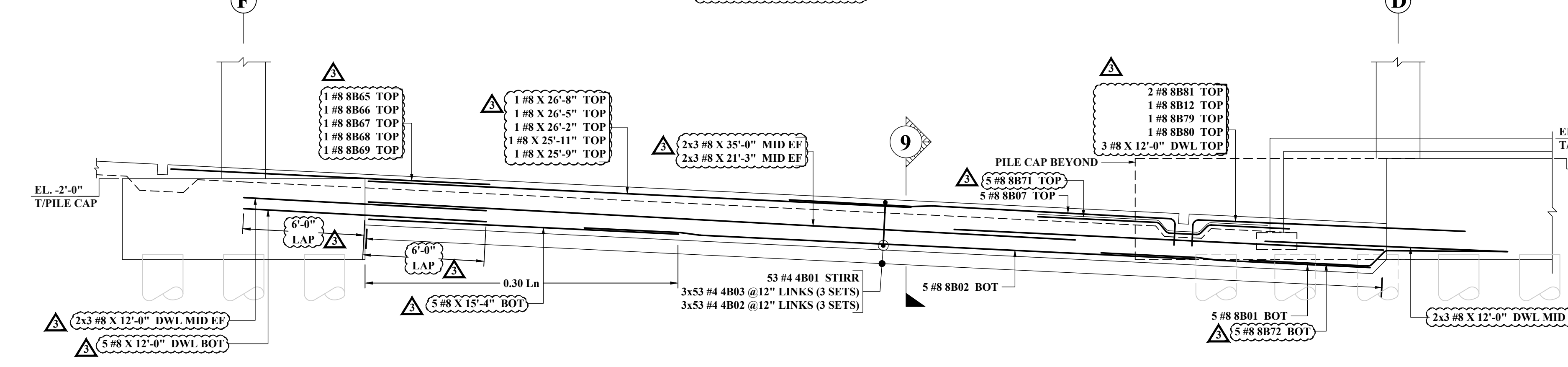
- NOTES:-**
- TYPICAL CLEARANCES  
A). TOP - 2"  
B). BOTTOM - 3"  
C). SIDES - 2"
  - A/E PLEASE VERIFY THE ALL CLOUDED ITEMS
  - PROVIDE FIELD CUT AS REQUIRED LOCATIONS
  - BAR TO BE PLACED AT EQUAL SPACING U.O.N.
  - TILT HOOK TO ACCOMMODATE THE COVER, IF NEED

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

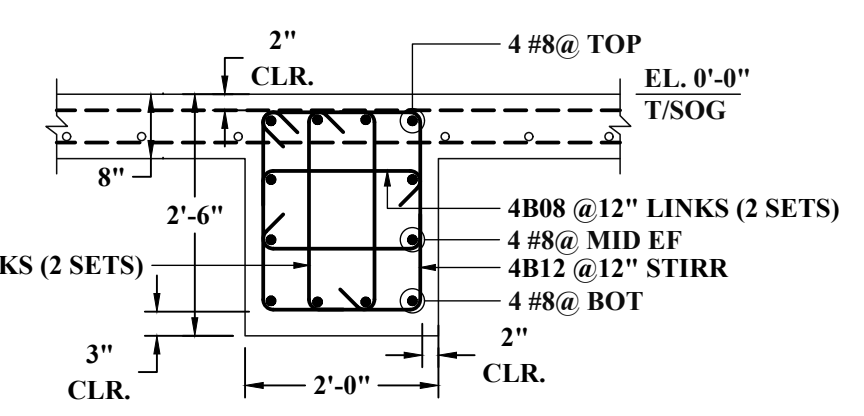
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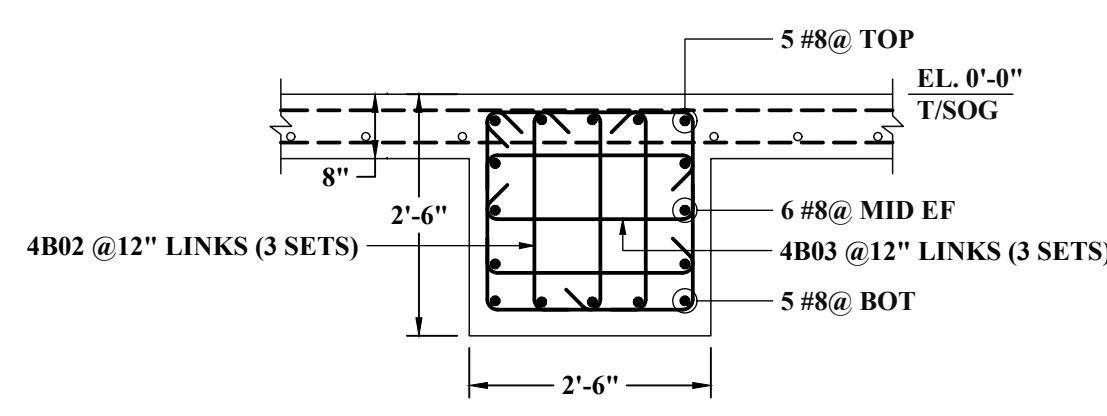
**ELEVATION S**  
SCALE: 1/4"=1'-0"  
REF: S2-1



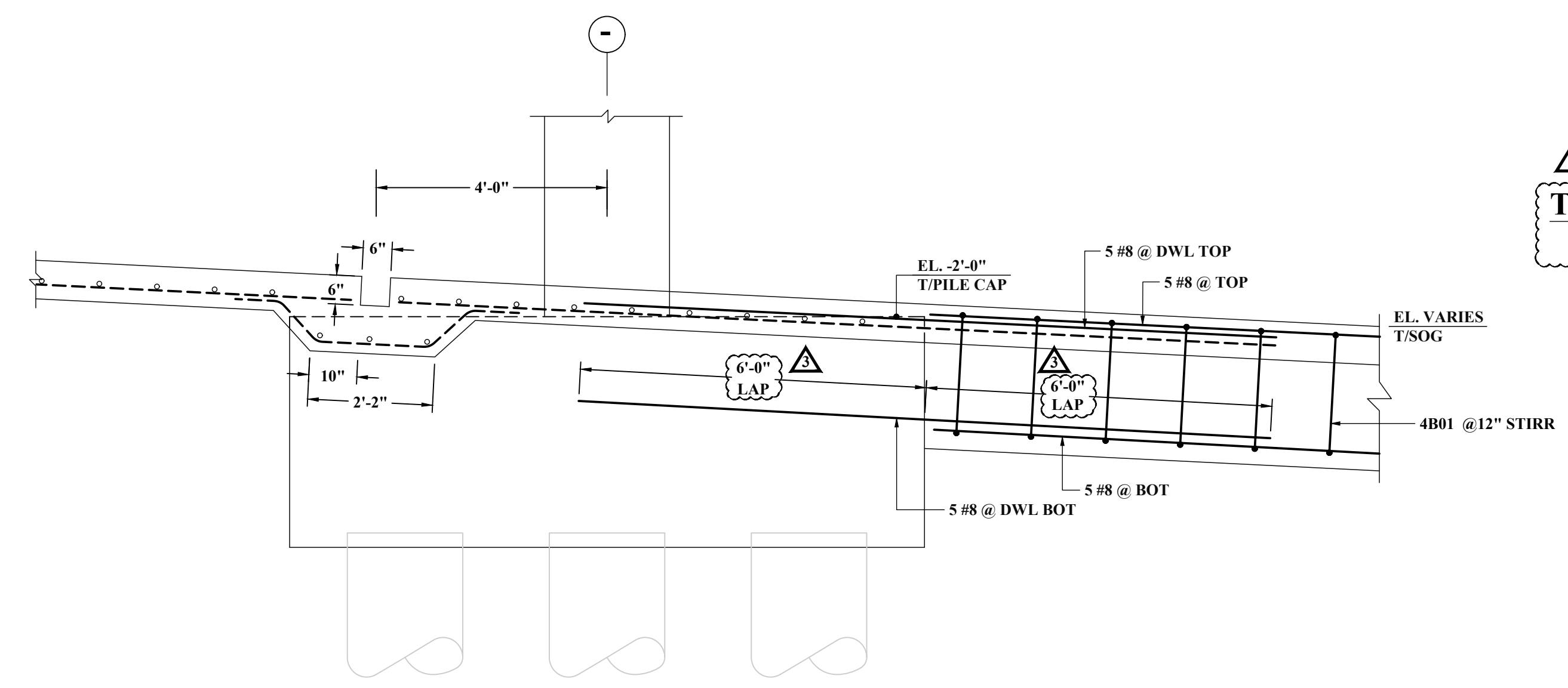
**ELEVATION T**  
SCALE: 1/4"=1'-0"  
REF: S2-1



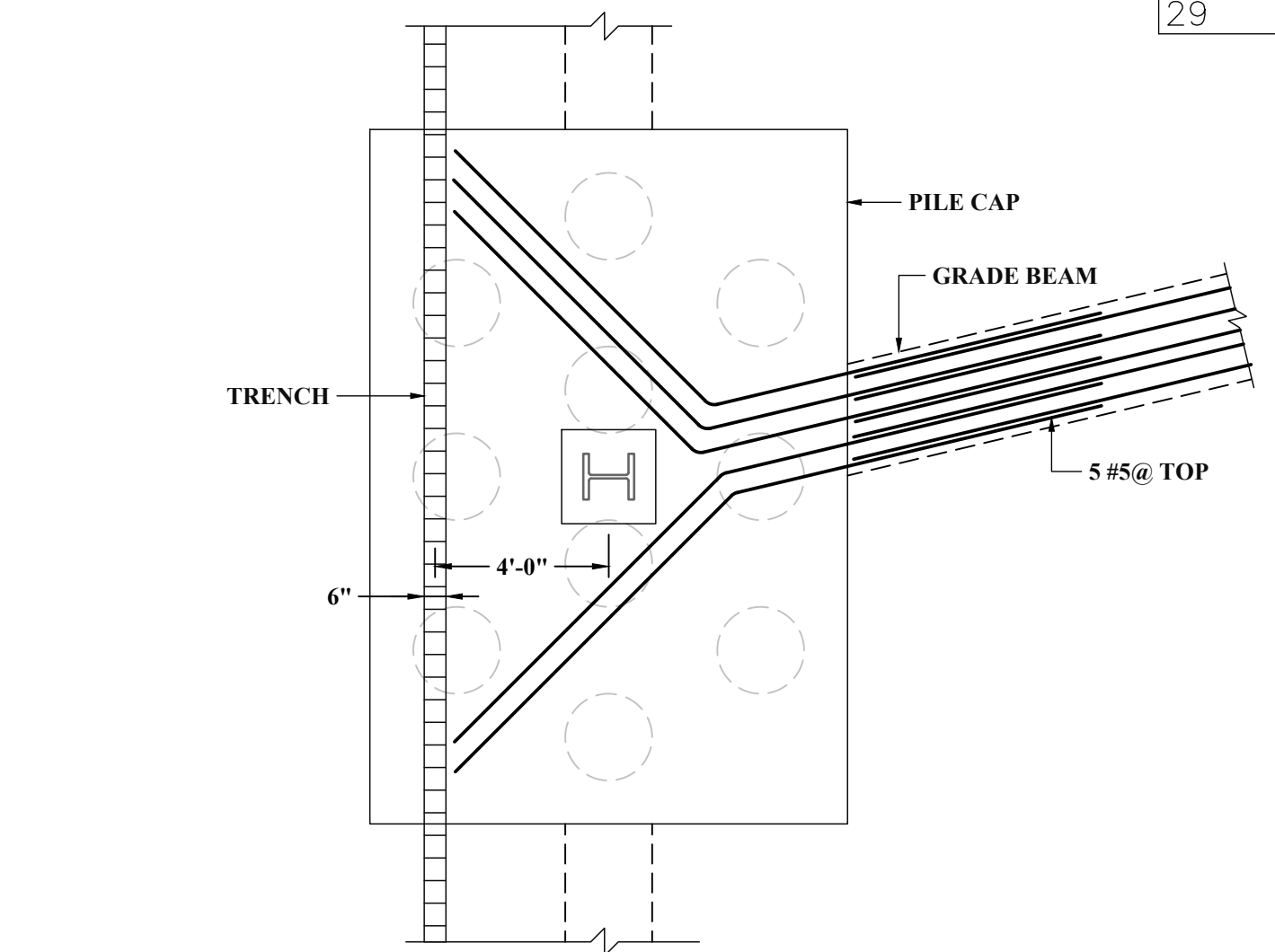
**SECTION 8**  
SCALE: 1/2"=1'-0"  
REF: 6S3-4



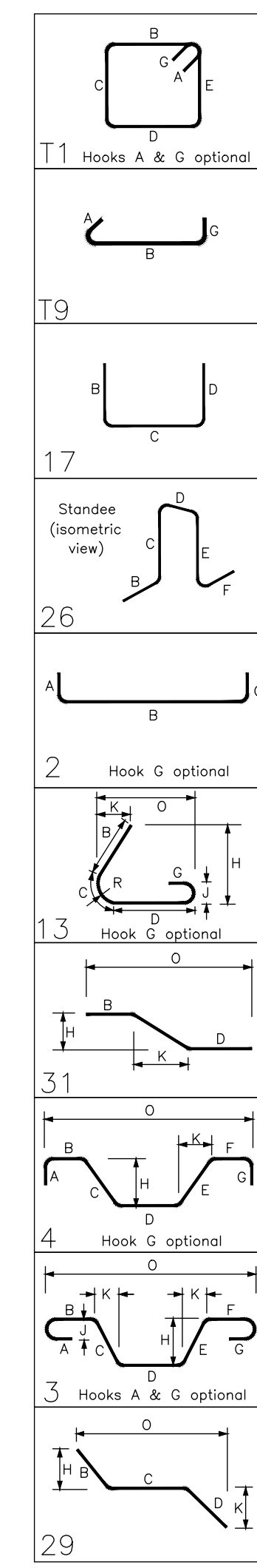
**SECTION 9**  
SCALE: 1/2"=1'-0"  
REF: 6S3-4



**SECTION 10**  
SCALE: 1/2"=1'-0"  
REF: 30S3-4



**TYPICAL SPLAY REINF. DETAIL ALONG GRID-F**  
SCALE: 1/4"=1'-0"  
REF: 3/S3-4



Release Number: 03-1 TO 03-11		BENDING DETAILS															
Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	X''	Y''	Z''	X'''	Y'''	Z'''	X''''	Y''''	Z''''	
4801	208	#4	9'-3"	T1	0'-4 1/2"	2'-2"	2'-1"										
4802	3028	#4	2'-10"	T9	0'-4 1/2"	2'-1"	2'-2"	2'-1"									
4803	627	#4	2'-11"	T9	0'-4 1/2"	2'-2"											
4804	4	#4	5'-2"	T1	1'-7"	2'-0"	1'-7"										
4805	14	#4	3'-7"	T1	1'-7"	2'-0"											
4806	2	#4	2'-7"	T1	1'-0"	1'-7"											
4807	2	#4	9'-1"	T1	0'-4 1/2"	2'-7"	2'-1"	2'-1"	2'-1"	0'-4 1/2"							
4808	2403	#4	2'-5"	T9	0'-4 1/2"	1'-8"											
4809	45	#4	5'-0"	T6	1'-6"	0'-8 1/2"	0'-8"	0'-8 1/2"	1'-6"								
4810	2101	#4	1'-8"	T9	0'-4 1/2"	0'-11"											
4811	38	#4	5'-0"	T1	2'-0"	3'-0"											
4812	1201	#4	8'-3"	T1	0'-4 1/2"	1'-8"	2'-1"	1'-8"	2'-1"	0'-4 1/2"							
4813	3	#4	10'-9"	T1	0'-4 1/2"	2'-6"	2'-6"	2'-6"	2'-6"	0'-4 1/2"							
4814	6	#4	6'-7"	T1	2'-1"	2'-5"	2'-1"										
5801	34	#5	6'-7"	2	0'-10"	5'-9"											
5802	56	#5	6'-0"	17	3'-0"	3'-0"											
5803	220	#5	4'-0"	17	2'-0"	2'-0"											
5804	220	#5	5'-3"	2	0'-10"	4'-5"											
5805	96	#5	7'-0"	17	3'-0"	4'-0"											
5806	76	#5	15'-1"	T1	0'-5 1/2"	1'-8"	5'-5"	1'-8"	5'-5"	0'-5 1/2"							
5807	220	#5	4'-4 1/2"	13	2'-0"	0'-4 1/2"	2'-0"										
5808	144	#5	4'-8"	17	2'-4"	2'-4"											
5809	22	#5	14'-1"	T1	0'-5 1/2"	1'-8"	4'-11"	1'-8"	4'-11"	0'-5 1/2"							
5810	7	#5	5'-10"	2	0'-10"	5'-0"											
5811	114	#6	5'-0"	2	1'-0"	5'-0"											
5812	114	#6	6'-2"	2	1'-0"	5'-9"											
5813	4	#6	5'-3"	2	1'-0"	4'-3"											
5814	4	#6	8'-5"	2	1'-0"	7'-5"											
5815	2	#6	8'-9"	2	1'-0"	7'-9"											
5816	2	#6	7'-9"	2	1'-0"	6'-9"											
5817	2	#6	10'-0"	2	1'-0"	9'-0"											
5818	2	#6	11'-0"	2	1'-0"	10'-0"											
5819	3	#6	13'-4"	31	4'-9"	1'-0 1/2"	7'-6 1/2"										
5820	3	#6	20'-3"	31	4'-9"	1'-0 1/2"	24'-5 1/2"										
5821	3	#6	20'-6"	4	1'-4"	12'-0 1/2"	6'-1 1/2"										
5822	3	#6	23'-7 1/2"	4	1'-4"	15'-1 1/2"	1'-0 1/2"	6'-2"									
5823	3	#6	38'-7 1/2"	4	1'-4"	4'-9"	1'-0 1/2"	32'-9 1/2"									
5824	3	#6	38'-7 1/2"	4	1'-4"	15'-3 1/2"	1'-0 1/2"	6'-2"									
5825	15	#6	12'-0"	3	6'-0"	6'-0"											
5826	3	#6	38'-8 1/2"	31	4'-9"	1'-0 1/2"	32'-10 1/2"										
5827	1	#6	23'-4 1/2"	4	1'-4"	14'-10"	1'-0 1/2"	6'-2"									
5828	800	#6	8'-7"	17	5'-7"	5'-0"											
5829	20	#6	26'-11"	31	6'-1"	1'-0 1/2"	19'-9 1/2"										
5830	1	#6	28'-0"	31	6'-1"	1'-0 1/2"	20'-10 1/2"										
5831	3	#6	39'-4"	31	4'-9"	1'-0 1/2"	33'-6 1/2"										
5832	3	#6	29'-2"	31	6'-1"	1'-0 1/2"	22'-0 1/2"										
5833	8	#6	26'-4"	31	6'-1"	1'-0 1/2"	19'-2 1/2"										
5834	4	#6	25'-3"	31	6'-1"	1'-0 1/2"	18'-1 1/2"										
5835	4	#6	27'-3"	31	6'-1"	1'-0 1/2"	20'-1 1/2"										
5836	20	#6	8'-4"	17	3'-4"	5'-0"											
5837	8	#6	24'-10"	31	6'-1"	1'-0 1/2"	17'-8 1/2"										
5838	4	#6	25'-7"	31	6'-1"	1'-0 1/2"	18'-5 1/2"										
5839	4	#6	20'-10"	31	6'-1"	1'-0 1/2"	13'-8 1/2"										
5840	8	#6	25'-10"	31	6'-1"	1'-0 1/2"	18'-8 1/2"										
5841	4	#6	12'-9"	31	4'-9 1/2"	1'-0 1/2"	6'-11"										
5842	12	#6	28'-5"	31	6'-1"	1'-0 1/2"	21'-3 1/2"										
5843	12	#6	28'-9"	31	6'-1"	1'-0 1/2"	21'-7 1/2"										
5844	4	#6	12'-7"	31	4'-9 1/2"	1'-0 1/2"	6'-9"										
5845	1	#6	17'-11"	3	8'-10 1/2"	9'-1"	4'-10"	7'-8 1/2"	16'-6 1/2"								
5846	1	#6	17'-10 1/2"	3	9'-1 1/2"	8'-9"	4'-7 1/2"	7'-5"	16'-6 1/2"								
5847	1	#6	17'-8 1/2"	3	9'-9"	7'-11"	6'-9 1/2"	4'-1"	13'-10"								
5848	1	#6	17'-9 1/2"	3	9'-7"	8'-2"	7'-0"	4'-2 1/2"	13'-9 1/2"								
5849	1	#6	17'-8 1/2"	3	9'-5"	8'-4"	7'-1 1/2"	4'-3 1/2"	13'-8 1/2"								
5850	1	#6	23'-2 1/2"	4	1'-4"	14'-8"	1'-0 1/2"	6'-2"									
5851	1	#6	23'-0 1/2"	4	1'-4"	14'-6"	1'-0 1/2"	6'-2"									
5852	1	#6	22'-10 1/2"	4	1'-4"	14'-4"	1'-0 1/2"	6'-2"									
5853	1	#6	18'-5 1/2"	3	9'-7"	18'-4 1/2"	9'-7"	4'-10"	17'-1 1/2"								
5854	1	#6	18'-4 1/2"	3	9'-2"	9'-3"	4'-8"	7'-11 1/2"	17'-1 1/2"								
5855	1	#6	18'-0 1/2"	3	10'-0 1/2"	8'-0"	6'-11 1/2"	3'-11 1/2"	13'-11 1/2"								
5856	1	#6	18'-1 1/2"	3	9'-10 1/2"	8'-3"	7'-2 1/2"	4'-8 1/2"	13'-11 1/2"								
5857	1	#6	18'-2 1/2"	3	9'-8 1/2"	8'-6"	7'-5"	4'-6 1/2"	13'-10 1/2"								
5858	1	#6	18'-3 1/2"	3	9'-6 1/2"	8'-9"	7'-7 1/2"	4'-7 1/2"	13'-10 1/2"								
5859	1	#6	18'-4 1/2"	3	9'-9"	8'-8"	7'-3 1/2"	4'-5 1/2"	13'-9 1/2"								
5860	1	#6	18'-5 1/2"	3	9'-6"	9'-1"	7'-7 1/2"	4'-7 1/2"	13'-9 1/2"								
5861	1	#6	18'-6 1/2"	3	9'-9 1/2"	8'-8"	7'-3 1/2"	4'-5 1/2"	13'-8 1/2"								
5862	1	#6	18'-7 1/2"	3	10'-3"	7'-10"	6'-8"	4'-1 1/2"	14'-4 1/2"								
5863	1	#6	18'-8 1/2"	3	10'-1"	8'-2"	6'-11 1/2"	4'-3 1/2"	14'-4 1/2"								
5864	1	#6	18'-9 1/2"	3	10'-0"	8'-5"	7'-2"	4'-5"	14'-5"								
5865	1	#6	18'-10 1/2"	3	9'-8"	9'-2"	7'-2 1/2"	4'-5"	14'-5"								
5866	1	#6	18'-11 1/2"	3	9'-11"	8'-9"	7'-3 1/2"	4'-5"	14'-5"								
5867	1	#6	18'-12 1/2"	3	10'-6"	8'-0"	7'-6 1/2"	4'-5"	14'-5"								
5868	1	#6	18'-13 1/2"	3	10'-5"	8'-2"	7'-8 1/2"	4'-5"	14'-5"								
5869	1	#6	18'-14 1/2"	3	10'-3"	8'-4"	7'-10 1/2"	4'-5"	14'-5"								
5870	15	#6	13'-0 1/2"	3	6'-0"	0'-8 1/2"	1'-7 1/2"	0'-8 1/2"	4'-0"								
5871	3	#6	13'-1 1/2"	3	6'-0"	0'-8 1/2"	1'-7 1/2"	0'-8 1/2"	4'-0"								
5872	1	#6	27'-0"	31	6'-1"	1'-0 1/2"	20'-9 1/2"										
5873	1	#6	27'-11"	31	6'-1"	1'-0 1/2"	20'-9 1/2"										
5874	1	#6	10'-4"	2	1'-4"	9'-2"											
5875	1	#6	9'-4"	2	1'-4"	8'-0"											
5881	2	#6	14'-10"	2	1'-4"	13'-6"											

(MASONRY)		(CONCRETE WALL)		(FDN & GRADE BEAM)		(FDN & GRADE BEAM)	
LAP SCHEDULE REF: 5/8-4-1		LAP SCHEDULE (CLASS-B) REF: 30/S3-1		DEVELOPMENT LENGTH (Ld) REF: 30/S3-1		LAP SCHEDULE (CLASS-B) REF: 30/S3-1	
SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH
#3	17"	#3	22"	#3	17"	#3	22"
#4	25"	#4	33"	#4	23"	#4	29"
#5	41"	#5	41"	#5	28"	#5	36"
#6	49"	#6	49"	#6	34"	#6	44"
#7	54"	#7	49"	#7	49"	#7	63"
#8	63"	#8	49"	#8	56"	#8	72"
#9	72"	#9	54"	#9	63"	#9	81"
		#10	62"	#10	71"	#10	92"
		#11	70"	#11	78"	#11	102"

ABBREVIATIONS	
BOTTOM	BOT
TOP&BOTTOM	T&B
CORNER BAR	COR
HORIZONTAL	HOR
STIRRUPS	STIRR
EACH WAY	EW
INNER FACE	