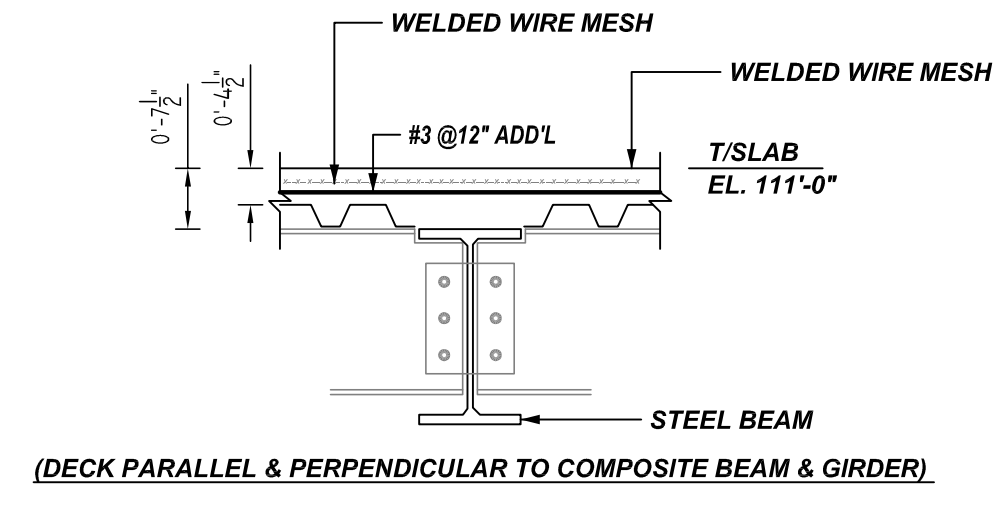
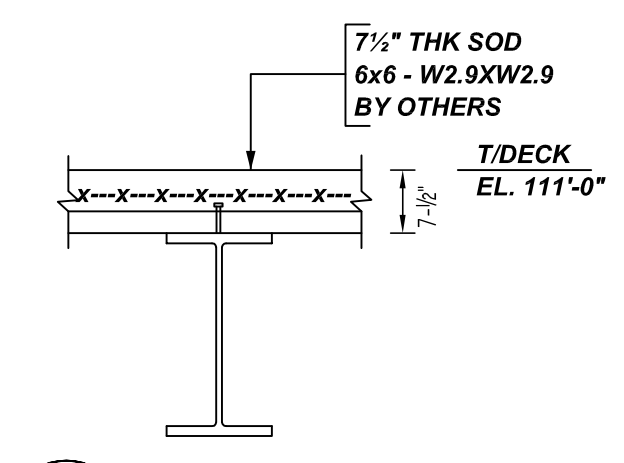


LEVEL-6 AREA-B SLAB ON DECK REINFORCEMENT DETAILS
 REF: S2.2.6B
 SCALE: 1/8" = 1'-0"

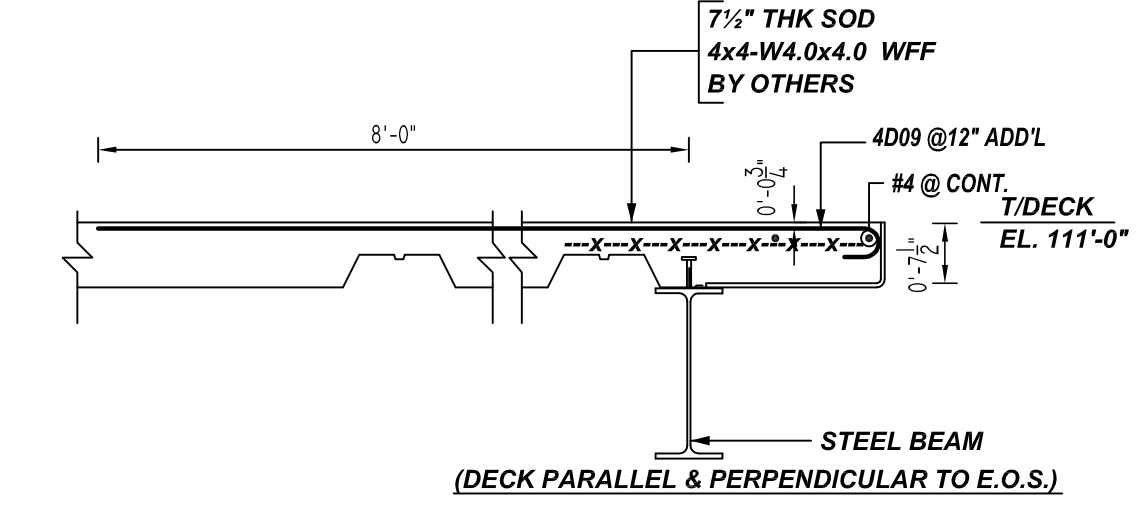
A/E PLEASE VERIFY FIELD CUT AND BAR ARRANGEMENT DETAILS (TYP.)



1 SECTION
 R16 REF: S2.2.2A
 SCALE: 1/2" = 1'-0"

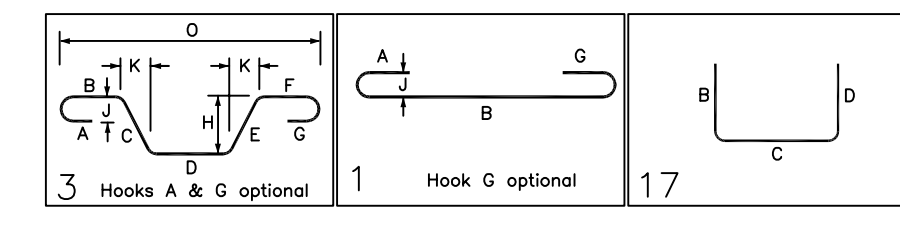


2 SECTION
 R16 REF: S4.0.1
 SCALE: 1/2" = 1'-0"



3 SECTION
 R16 REF: S4.0.1
 SCALE: 1/2" = 1'-0"

Bar Mark	Qty	Size	Total Length	Shape	X	Y	Z	BENDING DETAILS
4N01	2	#4	8'-5 1/2"	3		0'-0"	2'-5 1/2"	
4N02	2	#4	7'-5 1/2"	3		0'-0"	2'-5 1/2"	
4N03	82	#4	10'-0"	1	0'-0"	9'-8"		
4N04	24	#4	6'-10"	1	0'-0"	6'-4"		
4N05	2	#4	5'-11 1/2"	3		3'-8"	2'-5 1/2"	
4N06	2	#4	4'-11 1/2"	3		2'-8"	2'-5 1/2"	
4N07	20	#4	2'-4"	1	0'-0"	1'-4"		
4N08	40	#4	5'-0"	17		2'-8"	2'-5 1/2"	
4N09	1	#4	8'-0"	17		4'-0"	4'-0"	
4N10	485	#4	9'-8"	1	0'-0"	9'-0"		



LAP SCHEDULE

4000 PSI (CLASS-B) CASE - 1
 Per ACI 318 (12.2.2)

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

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**

TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
SLAB TOP & BOTTOM	2" CLR
SLAB EDGE	2" CLR

REBAR GRADE 60 ASTM A-615

SPLICES USED
 CLASS B 4,000 psi UNO

TOP BARS	OTHER BARS
#3 -	#3 -
#4 -	#4 -
#5 -	#5 -
#6 -	#6 -
#7 -	#7 -
#8 -	#8 -
#9 -	#9 -
#10 -	#10 -
#11 -	#11 -
#14 -	#14 -

ABBREVIATIONS
 ADD. = Additional
 B.O.W. = Bottom of wall
 C.B. = Corner Bars
 DIAG. = Diagonal
 D.O. = Door Opening
 DWLS. = Dowels
 E.F. = Each Face
 E.S. = Each Side
 E.W. = Each Way
 FTG. = Footing
 F.F. = Far Face
 HORIZ. = Horizontal
 I.F. = Inside Face
 INTERS. = Intersection
 L.W. = Long Way
 N.F. = Near Face
 O.F. = Outside Face
 S.W. = Short Way
 T&B = Top & Bottom
 T.O.W. = Top of Wall
 Trans. = Transverse
 VERT. = Vertical

BAR MARK SIZE EQUIVALENT

Imperial	Soft Metric
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36

VIRGINIA TECH
 LEVEL-6 AREA-B SLAB ON DECK REINFORCEMENT DETAILS
ALEXANDRIA, VIRGINIA

CUSTOMER:-
 DESIGNER: A&F ENGINEER

REV NO	DATE	APPROVAL	SENT FOR	REV NO	DATE	SENT FOR
0	04.13.22					

DRAWN BY	DATE	JOB NO	SHEET NO.
GOW/MET	04.13.22	-	R16