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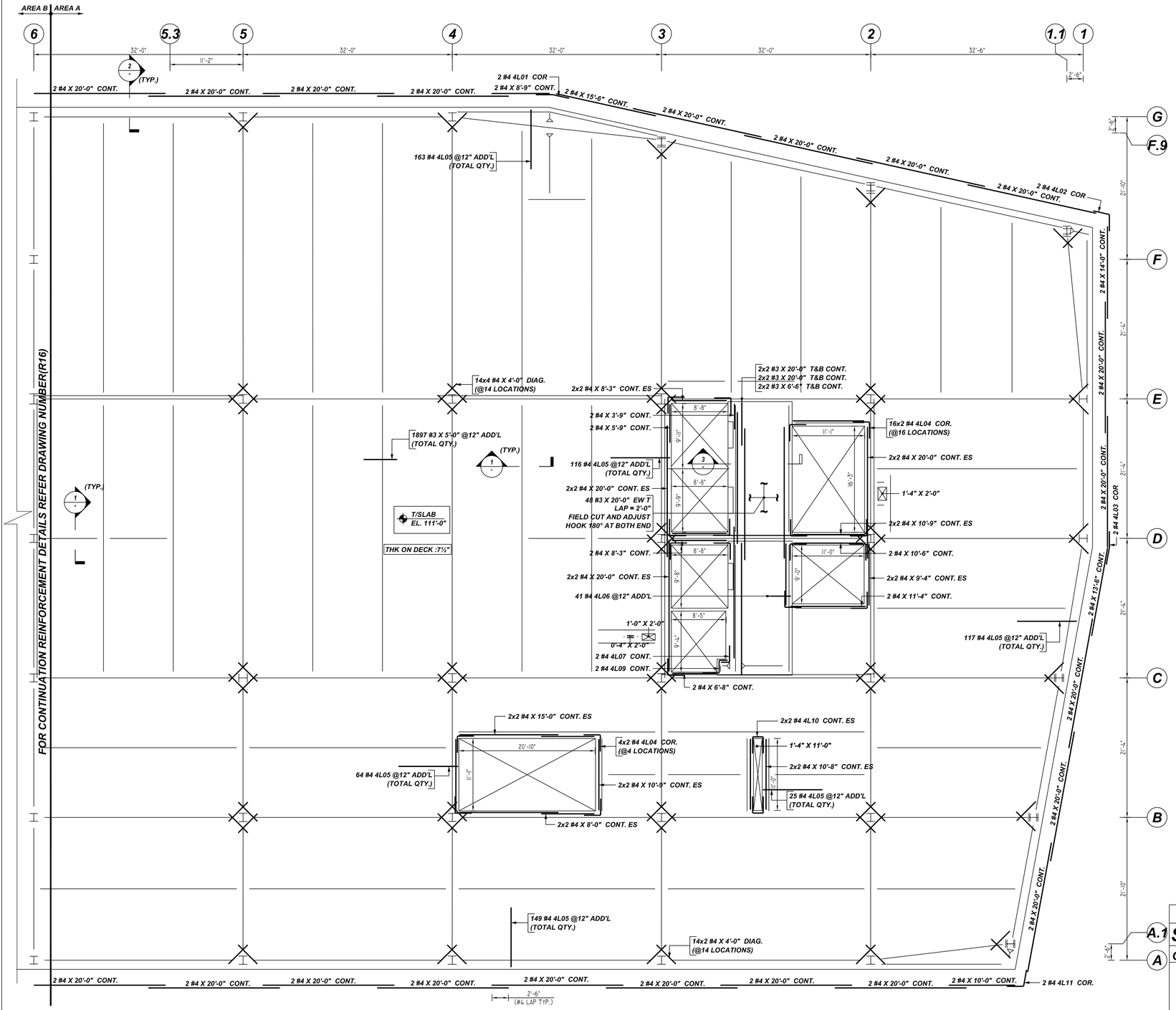
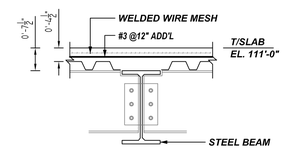


LEVEL-6 AREA-A SLAB ON DECK REINFORCEMENT DETAILS

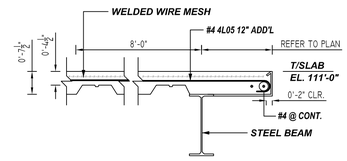
REF:S.2.2.6A
SCALE: 1/8" = 1'-0"

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



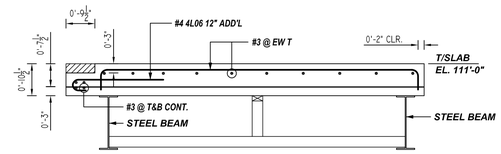
(DECK PARALLEL & PERPENDICULAR TO COMPOSITE BEAM & GIRDER)

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



(DECK PARALLEL & PERPENDICULAR TO E.O.S.)

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



(COMPOSITE DECK TRANSITION AT SOUTH ELEVATOR LOBBY)

3 SECTION
REF:S4.2.8
SCALE: 1/2" = 1'-0"

A/E PLEASE VERIFY LAP VALUE (TYP.)

LAP SCHEDULE

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

BAR#	LENGTHS TOP	LENGTHS 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.

A/E PLEASE VERIFY COVER VALUE (TYP.)

TYPICAL REINFORCING BAR CLEARANCE TABLE	
LOCATION	MIN. COVER
SLAB TOP & BOTTOM	2" CLR
SLAB EDGE	2" CLR

ALL BARS IN THIS DRAWING ASTM A615 GRADE 60 BLACK UNCOATED

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

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

VIRGINIA TECH

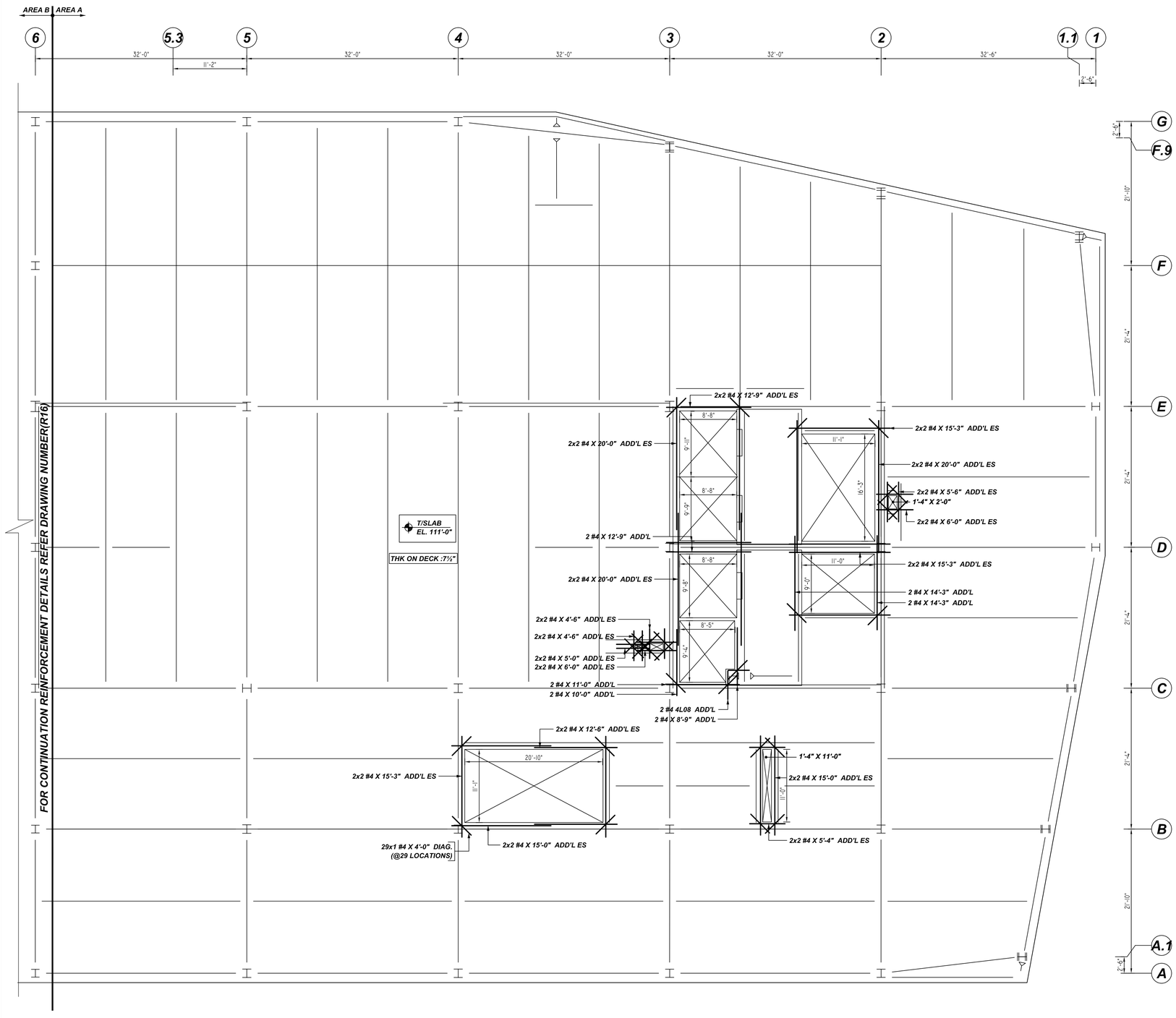
LEVEL-6 AREA-A SLAB ON DECK REINFORCEMENT DETAILS

ALEXANDRIA, VIRGINIA

CUSTOMER: -

DESIGNER: A&F ENGINEERS

DRAWN BY	DATE	JOB NO	SHEET NO.
GOW/MET	04.13.22	-	R14



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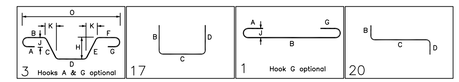
Release Number: R15

BENDING DETAILS

Bar Mark	Qty	Size	Total Length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'N'	'R'
4L01	2	#4	4'-11 K"	3		2'-6"	2'-5 K"					0'-6 K"		2'-5"	4'-11"	
4L02	2	#4	4'-11 K"	3		2'-6"	2'-5 K"					2'-5 K"		0'-6"	3'-0"	
4L03	2	#4	4'-11 K"	3		2'-6"	2'-5 K"					0'-5 K"		2'-5 K"	4'-11 K"	
4L04	40	#4	5'-0"	17		2'-6"	2'-6"									
4L05	634	#4	9'-5"	1	0'-6"	9'-0"							0'-4"			
4L06	41	#4	3'-6"	1	0'-6"	3'-0"							0'-4"			
4L07	2	#4	3'-9"	17		2'-6"	1'-3"									
4L08	2	#4	7'-8"	17		4'-5"	3'-3"									
4L09	2	#4	5'-9"	20		2'-6"	2'-0"	1'-3"								
4L10	4	#4	6'-8"	17		2'-6"	1'-8"	2'-8"								
4L11	2	#4	4'-11 K"	3		2'-6"	2'-5 K"					2'-5 K"		0'-4 K"	2'-10 K"	



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#7	-	#7	-
#8	-	#8	-
#9	-	#9	-
#10	-	#10	-
#11	-	#11	-
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LEVEL - 6 AREA - A SLAB ON DECK REINFORCEMENT DETAILS

REF:S.2.2.6A
SCALE: 1/8" = 1'-0"

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

REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR
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VIRGINIA TECH

LEVEL-6 AREA-A SLAB ON DECK REINFORCEMENT DETAILS

ALEXANDRIA, VIRGINIA

CUSTOMER: -

DESIGNER: A&F ENGINEERS

DRAWN BY	DATE	JOB NO	SHEET NO.
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