

GARAGE LEVEL PLAN - WEST TOWER AND CONNECTOR
 SCALE - 1/8"=1'-0"
 REF: S101A

A/E PLEASE VERIFY
COVER DETAILS (TYP.)
LAP VALUE WE FOLLOWED

FOR DRILLED PIER & SOG		
SIZE	3000 PSI	
	TOP	OTHERS
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"
#9	105"	81"
#10	118"	91"
#11	131"	101"

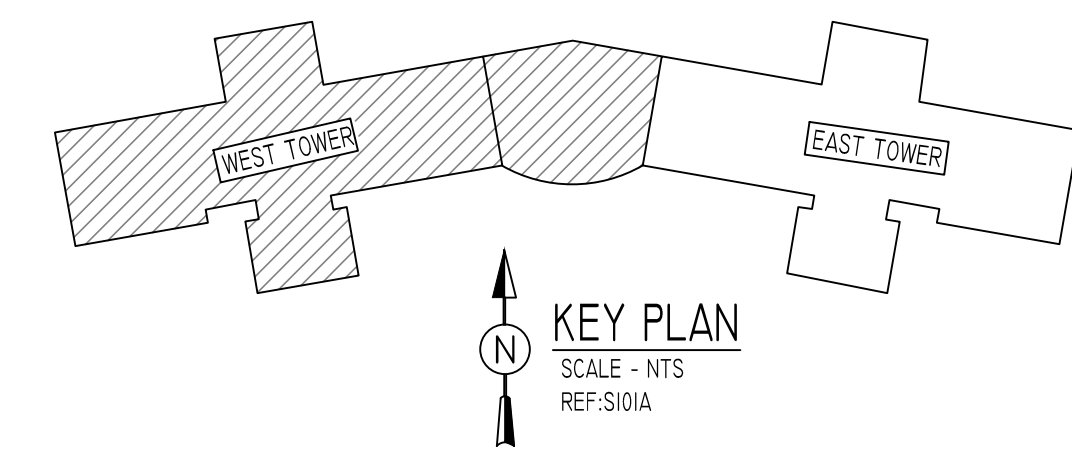
A/E PLEASE VERIFY
COVER DETAILS (TYP.)
LAP VALUE WE FOLLOWED

FOR FDN WALLS & GRADE BEAMS		
SIZE	4000 PSI	
	TOP	OTHERS
#3	24"	19"
#4	32"	25"
#5	40"	31"
#6	48"	37"
#7	70"	54"
#8	80"	62"
#9	91"	70"
#10	102"	79"
#11	113"	87"

A/E PLEASE VERIFY
COVER DETAILS (TYP.)

TYPICAL REINFORCING BAR CLEARANCE TABLE	
LOCATION	MIN. COVER
DRILLED PIER	
SIDE TIES	3" CLR
GRADE BEAM	
SIDE TIES	3" CLR
CONC. PIER & SLAB	2" CLR

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



- Abbreviations:**
- IF=Inside Face
 - OF=Outside Face
 - EF=Each Face
 - DWLS=Dowels
 - V=Vertical
 - H=Horizontal
 - COR=Corner
 - SLAB DWLS=Slab Dowels
 - EW=Each Way
 - B=Bottom
 - T=Top
 - M DWL= Masonry Dowel
 - BB=Bond Beam
 - ALT: Alternate
 - ES=Each Side
 - OPNG=Opening
 - BAL: Balance
 - BTW=Between
 - CJ=Construction Joint
 - CLR: CLEARANCE
 - CMU= Concrete Masonry Unit
 - CONT.=Continuous
 - Elev=Elevation
 - EMBED=Embedment
 - SW = Short Way
 - LW=Long Way
 - (BL)=Black Bar
 - (EP)=Epoxy Bar
 - (GA)= Galvanized
 - (TB)= Threaded Bar
 - (CB)= Coupler Bar

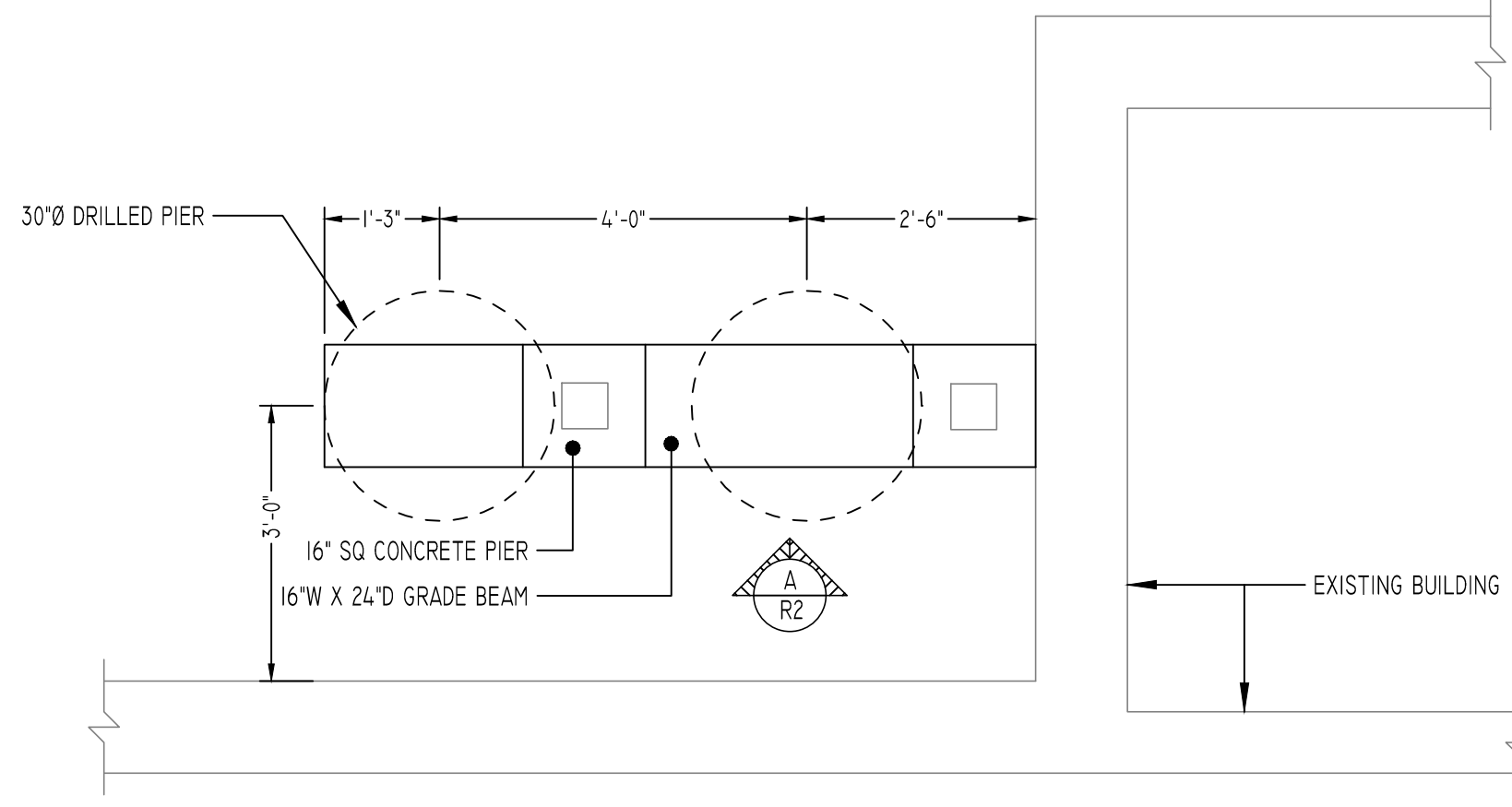
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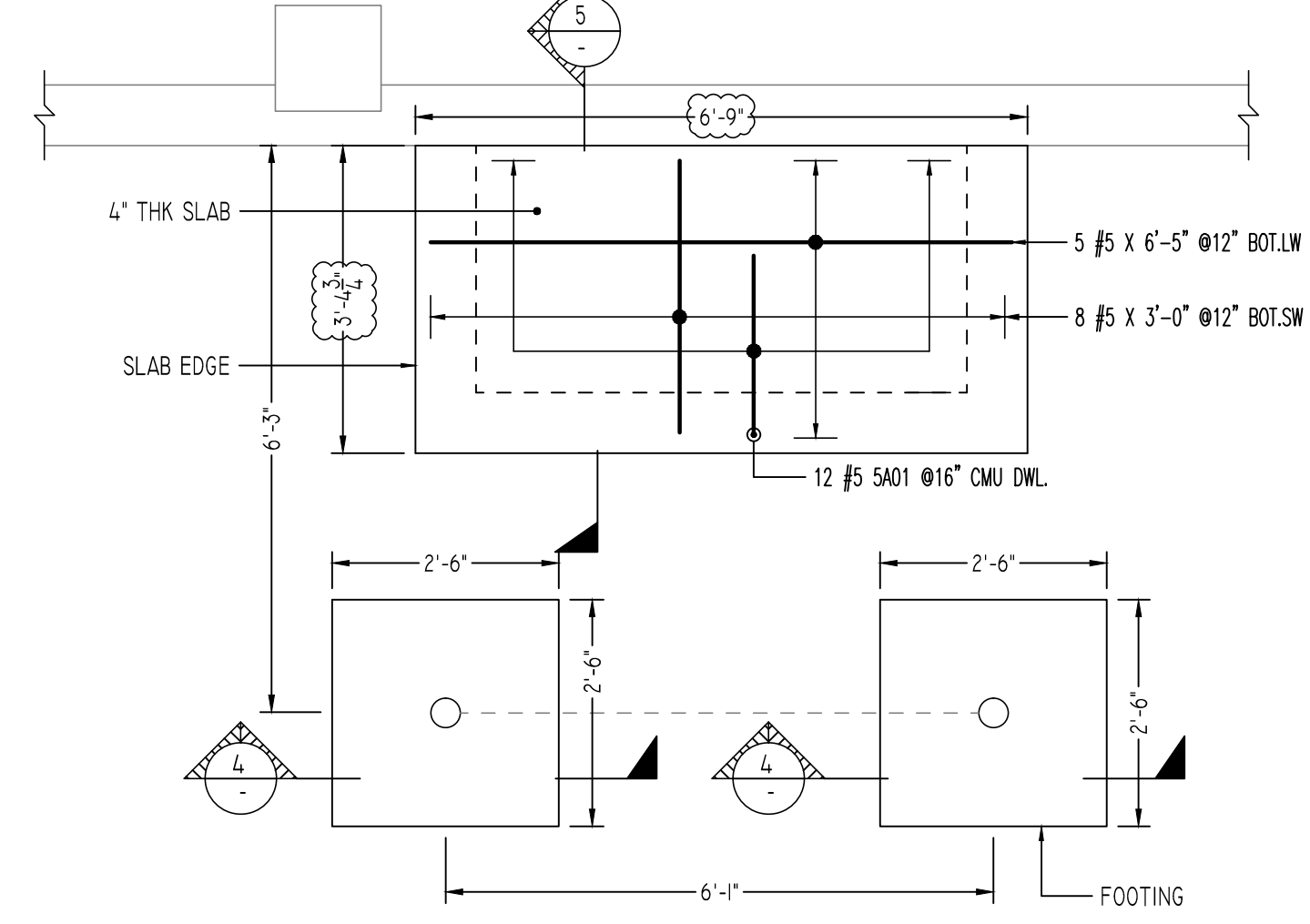
REVISION MARK	REVISION DETAILS	DATE
0	FOR APPROVAL	04/27/2021

PROJECT	LOYOLA NEWMAN TOWERS HVAC REPLACEMENT		
LOCATION	BALTIMORE, MD 21210		
ARCHITECT	HORD COPLAND MACHT		
ENGINEER	WHITNEY BALLY COX & MAGNANI		
CUSTOMER	-		
DRAWN BY:	DATE:	REVIEWED BY:	JOB NO.:
MRS	04/27/21	T/L	-
DRAWING TITLE:			DRAWING NO.:
GARAGE LEVEL PLAN WEST TOWER AND CONNECTOR			R1



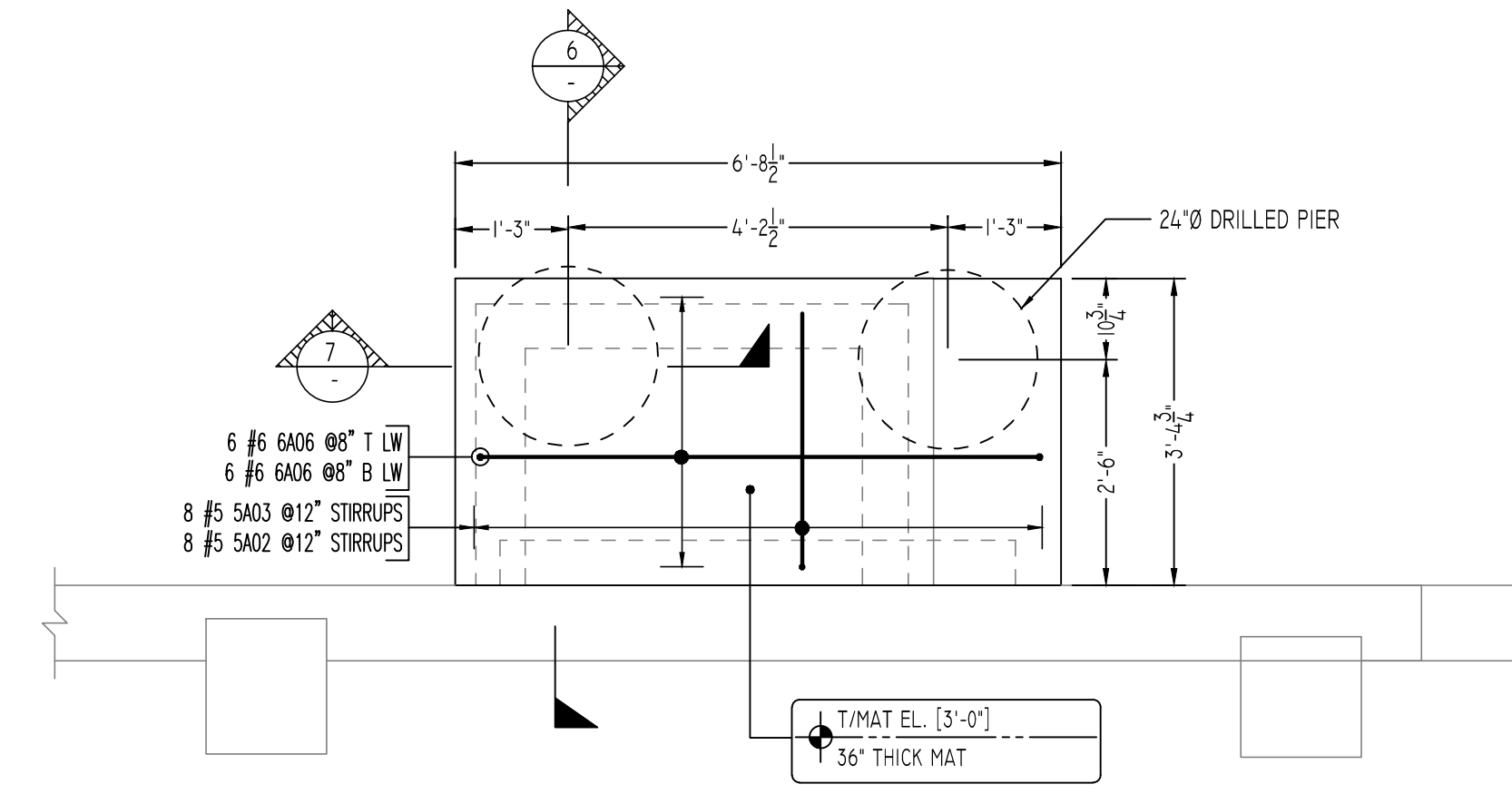
DRILLED PIER, GRADE BEAM & CONCRETE PIER

DETAIL-A
SCALE - 1/2"=1'-0"
REF: S101A



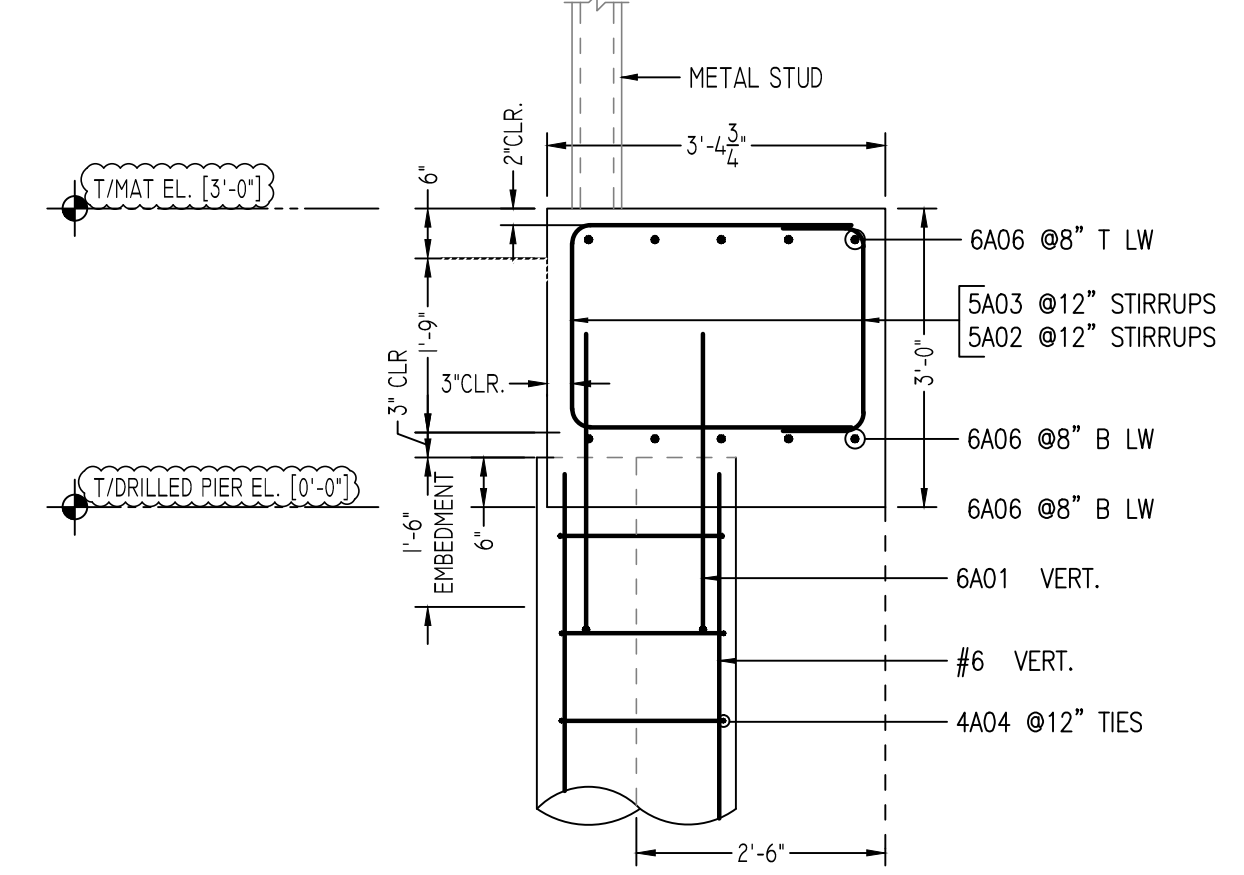
SPREAD FOOTING & SLAB

DETAIL-B
SCALE - 1/2"=1'-0"
REF: S101A

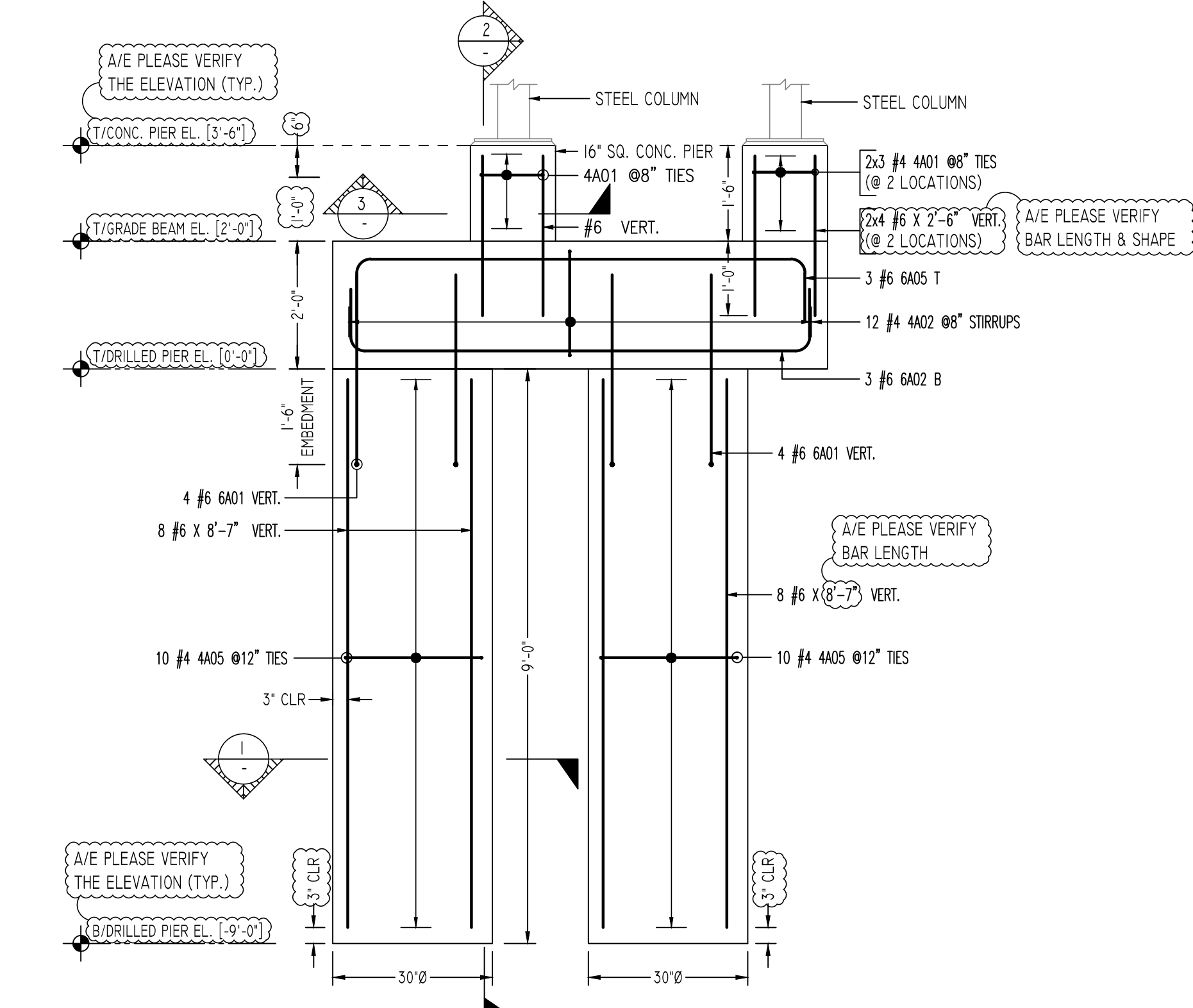


GARAGE LEVEL PART PLAN - DUCT ENCLOSURE #4

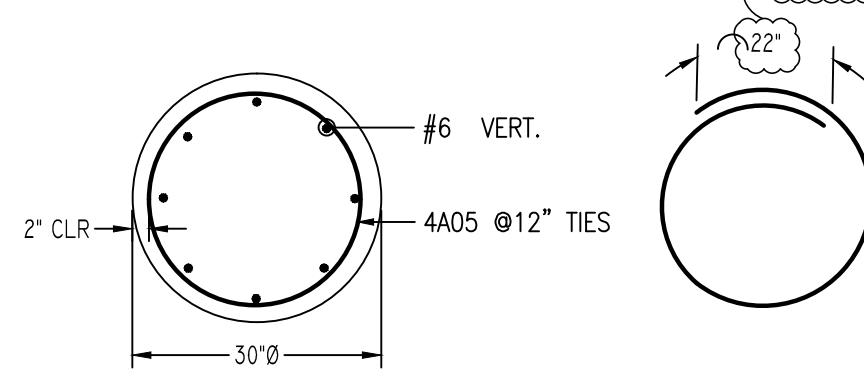
DETAIL-C
SCALE - 1/2"=1'-0"
REF: S101A



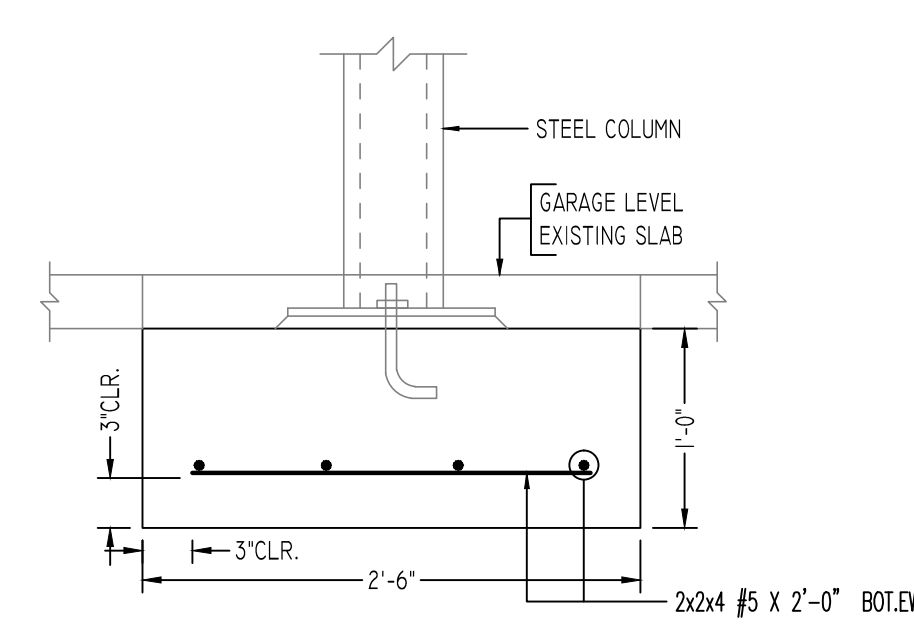
6 SECTION
SCALE - 1/2"=1'-0"
REF: S101A & 71203



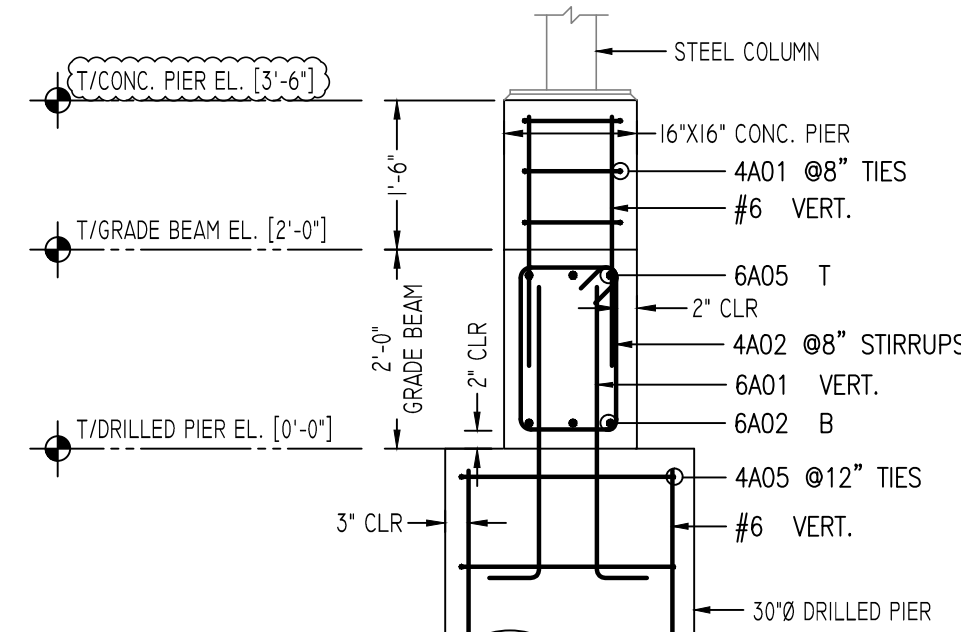
A ELEVATION
SCALE - 1/2"=1'-0"
REF: REF: S101A & 5/S202



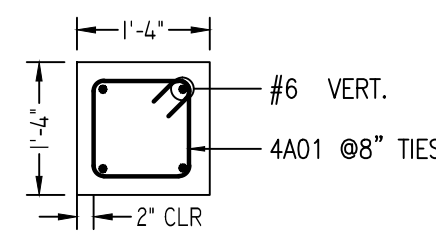
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SCALE - 1/2"=1'-0"
REF: REF: S101A & 5/S202



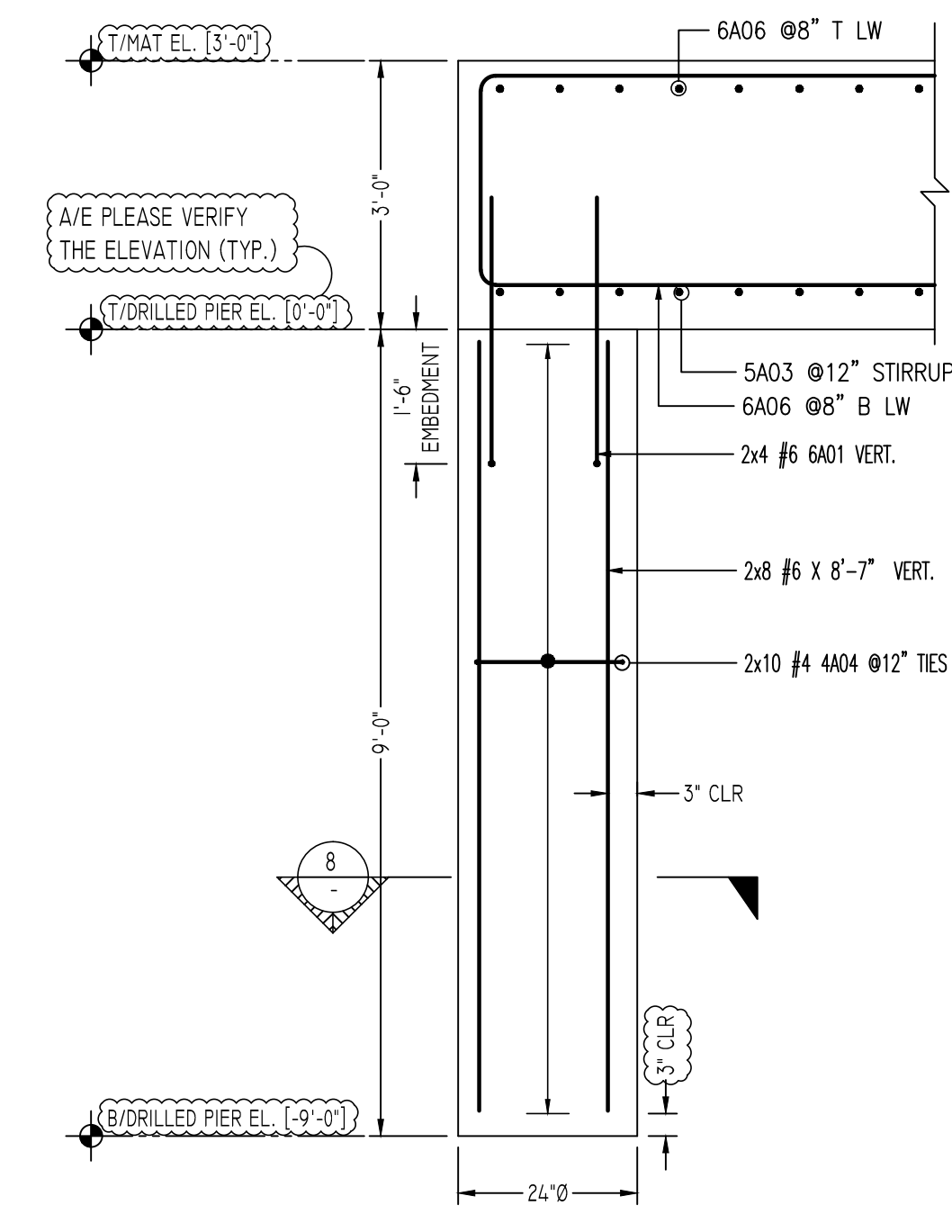
4 SECTION
SCALE - 1/2"=1'-0"
REF: S203
(@ 2 LOCATIONS)



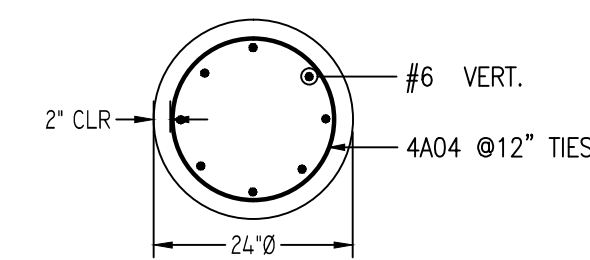
2 SECTION
SCALE - 1/2"=1'-0"
REF: REF: S101A & 5/S202



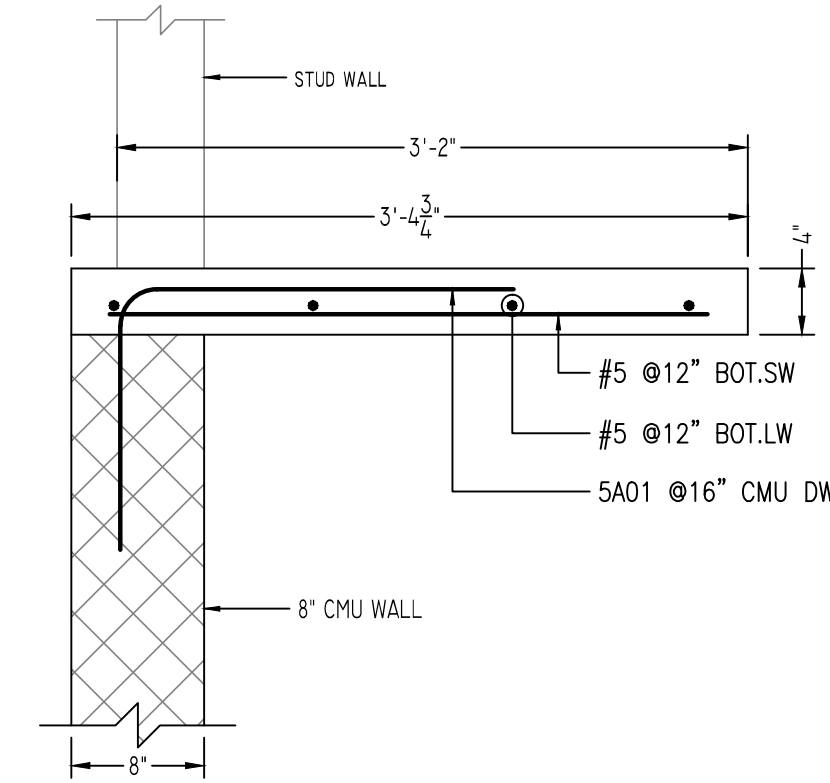
3 SECTION
SCALE - 1/2"=1'-0"
REF: REF: S101A & 5/S202



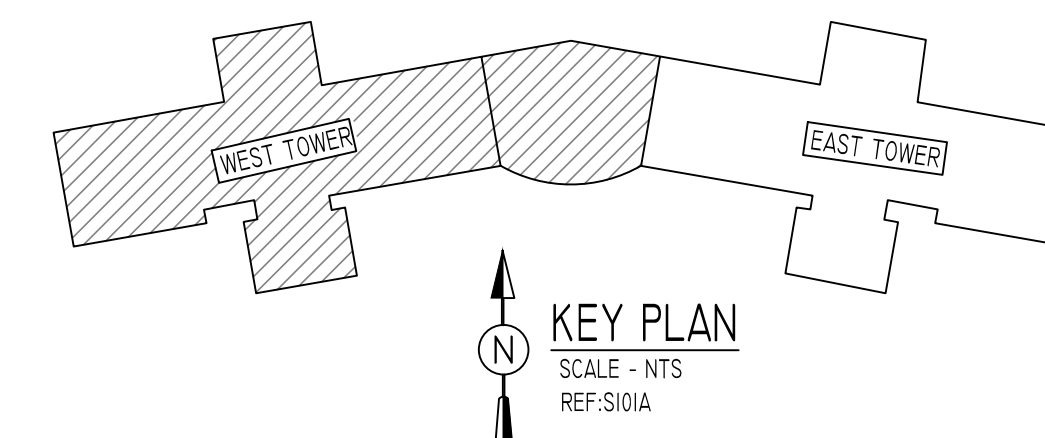
7 SECTION
SCALE - 1/2"=1'-0"
REF: S101A & 71S203
(@ 2 LOCATIONS)



8 SECTION
SCALE - 1/2"=1'-0"
REF: S101A & 71S203

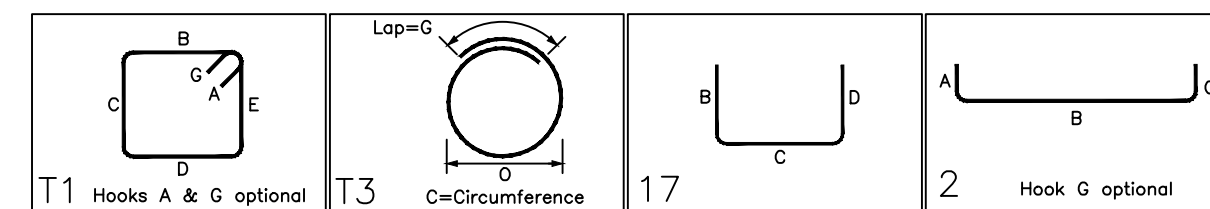


5 SECTION
SCALE - 1/2"=1'-0"
REF: S203



KEY PLAN
SCALE - NTS
REF: S101A

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	
4A01	6	#4	4'-9"	T1	0'-4.5"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	
4A02	12	#4	6'-1"	T1	0'-4.5"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	
4A04	20	#4	7'-9"	T3	0'-4.5"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	
4A05	10	#4	8'-7"	T3	0'-4.5"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	
4A05	10	#4	8'-7"	T3	0'-4.5"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
5A01	12	#5	3'-4"	T2	0'-10"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"
5A02	8	#5	3'-9"	T2	0'-10"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"
5A03	8	#5	7'-9"	T1	0'-4.5"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
6A01	16	#6	3'-5"	T1	0'-4.5"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
6A02	3	#6	9'-5"	T2	1'-0"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"
6A05	3	#6	9'-1"	T2	1'-0"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"	7'-1"
6A06	12	#6	8'-5"	T2	1'-0"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"	6'-3"



LAP SCHEDULE

FOR DRILLED PIER & SLAB ON GRADE

SIZE	3000 PSI	TOP	OTHERS
#3	28"	22"	19"
#4	37"	29"	25"
#5	47"	36"	31"
#6	56"	43"	37"
#7	81"	63"	54"
#8	93"	72"	62"
#9	105"	81"	70"
#10	118"	91"	79"
#11	131"	101"	87"

FOR FDN. WALLS & GRADE BEAMS

SIZE	3000 PSI	TOP	OTHERS
#3	28"	22"	19"
#4	37"	29"	25"
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#10	118"	91"	79"
#11	131"	101"	87"

TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
DRILLED PIER	3' CLR
TIES	2' CLR
GRADE BEAM	3' CLR
SIDE	2' CLR
TIES	2' CLR
CONC. PIER & SLAB	2' CLR

ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED

Abbreviations:
IF=Inside Face
OF=Outside Face
EF=Each Face
DWLS=Dowels
V=Vertical
H=Horizontal
COR=Corner
SLAB DWLS=Slab Dowels
EW=Each Way
B=Bottom
T=Top
M DWL= Masonry Dowel
BB=Bond Beam
ALT: Alternate
ES=Each Side

OPNG=Opening
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EMBED=Embedment
SW= Short Way
LW=Long Way
BL=Black Bar
(EP)=Epoxy Bar
(GA)= Galvanized
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REVISION MARK	REVISION DETAILS	DATE
0	FOR APPROVAL	04/27/2021

PROJECT	LOYOLA NEWMAN TOWERS HVAC REPLACEMENT
LOCATION	BALTIMORE, MD 21210
ARCHITECT	HORD COPLAND MACHT
ENGINEER	WHITNEY BALLY COX & MAGNANI
CUSTOMER	-
DRAWN BY:	MRS
DATE:	04/27/21
REVIEWED BY:	T/L
JOB NO.:	-
DRAWING TITLE:	GARAGE LEVEL PLAN
DRAWING NO.:	R2