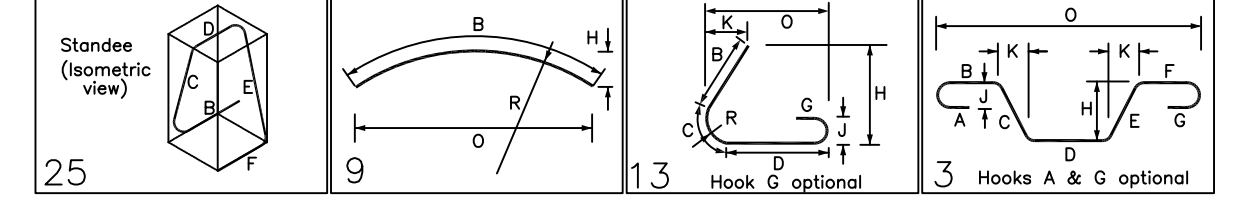


- LIST-A**
2x1 #4 4A48 @12" TAB CONT. (A)
2x1 #4 4A47 @12" TAB CONT.
2x1 #4 4A46 @12" TAB CONT.
2x1 #4 4A36 @12" TAB CONT.
2x1 #4 4A35 @12" TAB CONT.
2x1 #4 4A34 @12" TAB CONT.
2x1 #4 4A45 @12" TAB CONT. (B)
- LIST-B**
2x1 #4 4A44 @12" TAB CONT. (A)
2x1 #4 4A43 @12" TAB CONT.
2x1 #4 4A42 @12" TAB CONT.
2x1 #4 4A41 @12" TAB CONT.
2x1 #4 4A40 @12" TAB CONT.
2x1 #4 4A12 @12" TAB CONT. (B)
- LIST-C**
2x1 #4 4A39 @12" TAB CONT. (A)
2x1 #4 4A38 @12" TAB CONT.
2x1 #4 4A37 @12" TAB CONT.
2x1 #4 4A36 @12" TAB CONT.
2x1 #4 4A35 @12" TAB CONT.
2x1 #4 4A34 @12" TAB CONT. (B)
2x1 #4 4A33 @12" TAB CONT. (B)
- LIST-D (REQ'D x 2)**
2x2x1 #4 4A32 @12" TAB CONT. ES (A)
2x2x1 #4 4A31 @12" TAB CONT. ES
2x2x1 #4 4A30 @12" TAB CONT. ES
2x2x1 #4 4A29 @12" TAB CONT. ES
2x2x1 #4 4A28 @12" TAB CONT. ES
2x2x1 #4 4A27 @12" TAB CONT. ES
2x2x1 #4 4A26 @12" TAB CONT. ES (B)
- LIST-E**
2x1 #4 4A25-10" @12" TAB CONT. (A)
2x1 #4 4A27-7" @12" TAB CONT.
2x1 #4 4A24-1" @12" TAB CONT.
2x1 #4 4A22-4" @12" TAB CONT.
2x1 #4 4A20-7" @12" TAB CONT.
2x1 #4 4A25 @12" TAB CONT.
2x1 #4 4A24 @12" TAB CONT. (B)
- LIST-F**
2x1 #4 4A23 @12" TAB CONT. (A)
2x1 #4 4A22 @12" TAB CONT.
2x1 #4 4A20 @12" TAB CONT.
2x1 #4 4A19 @12" TAB CONT.
2x1 #4 4A18 @12" TAB CONT.
2x1 #4 4A17 @12" TAB CONT. (B)
- LIST-G**
2x1 #4 4X19-11" @12" TAB CONT. (A)
2x1 #4 4X14-5" @12" TAB CONT.
2x1 #4 4X13-5" @12" TAB CONT.
2x1 #4 4X22-3" @12" TAB CONT.
2x1 #4 4X11-2" @12" TAB CONT.
2x1 #4 4A15 @12" TAB CONT. (B)

Drawing Sheet: R01

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	X'	Y'	Z'	X'	Y'	Z'	X'	Y'	Z'
4A11	100	#4	5'-7"	25												
4A12	2	#4	4'-10 1/2"	9												
4A13	2	#4	5'-0"	13												
4A14	14	#4	4'-0"	3												
4A15	2	#4	8'-11"	9												
4A16	2	#4	10'-0 1/2"	9												
4A17	2	#4	4'-0"	13												
4A18	2	#4	4'-0"	13												
4A19	2	#4	4'-0"	13												
4A20	2	#4	3'-11 1/2"	13												
4A21	2	#4	4'-0"	13												
4A22	2	#4	4'-0"	13												
4A23	2	#4	4'-0"	13												
4A24	2	#4	17'-0 1/2"	9												
4A25	2	#4	18'-9"	9												
4A26	4	#4	4'-0"	13												
4A27	4	#4	4'-0"	13												
4A28	4	#4	4'-0"	13												
4A29	4	#4	3'-11 1/2"	13												
4A30	4	#4	3'-11 1/2"	13												
4A31	4	#4	4'-0"	13												
4A32	4	#4	3'-11 1/2"	13												
4A33	2	#4	4'-0 1/2"	13												
4A34	4	#4	3'-11 1/2"	13												
4A35	4	#4	4'-0"	13												
4A36	4	#4	4'-0"	13												
4A37	2	#4	4'-0"	13												
4A38	2	#4	4'-0"	13												
4A39	2	#4	4'-0"	13												
4A40	2	#4	7'-4 1/2"	9												
4A41	2	#4	10'-4 1/2"	9												
4A42	2	#4	13'-1 1/2"	9												
4A43	2	#4	15'-10 1/2"	9												
4A44	2	#4	18'-7 1/2"	9												
4A45	2	#4	3'-10 1/2"	13												
4A46	2	#4	4'-0"	13												
4A47	2	#4	4'-0"	13												
4A48	2	#4	4'-0"	13												



ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED

TYPICAL REINFORCING BAR CLEARANCE TABLE

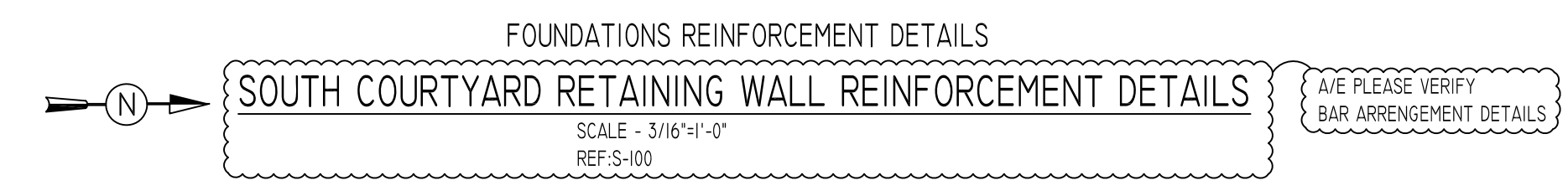
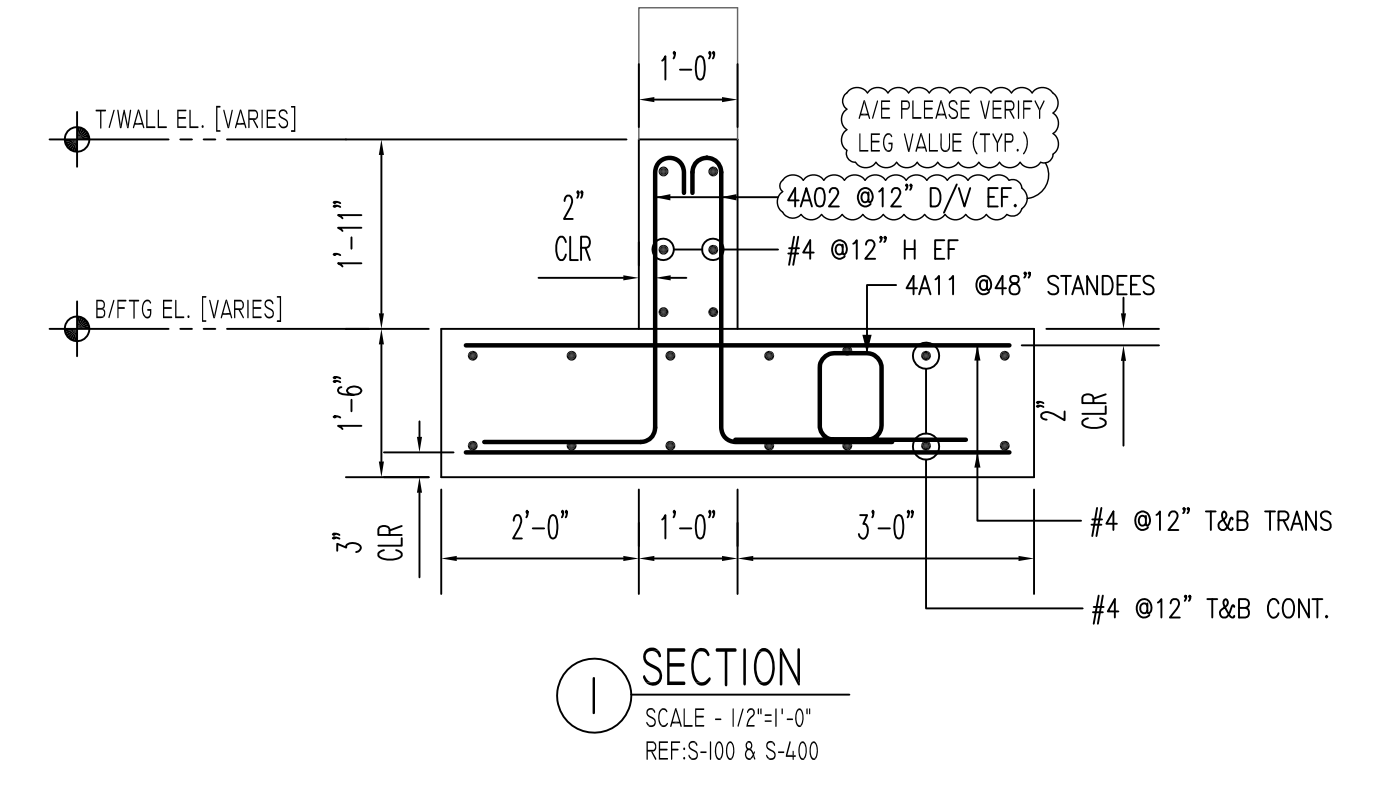
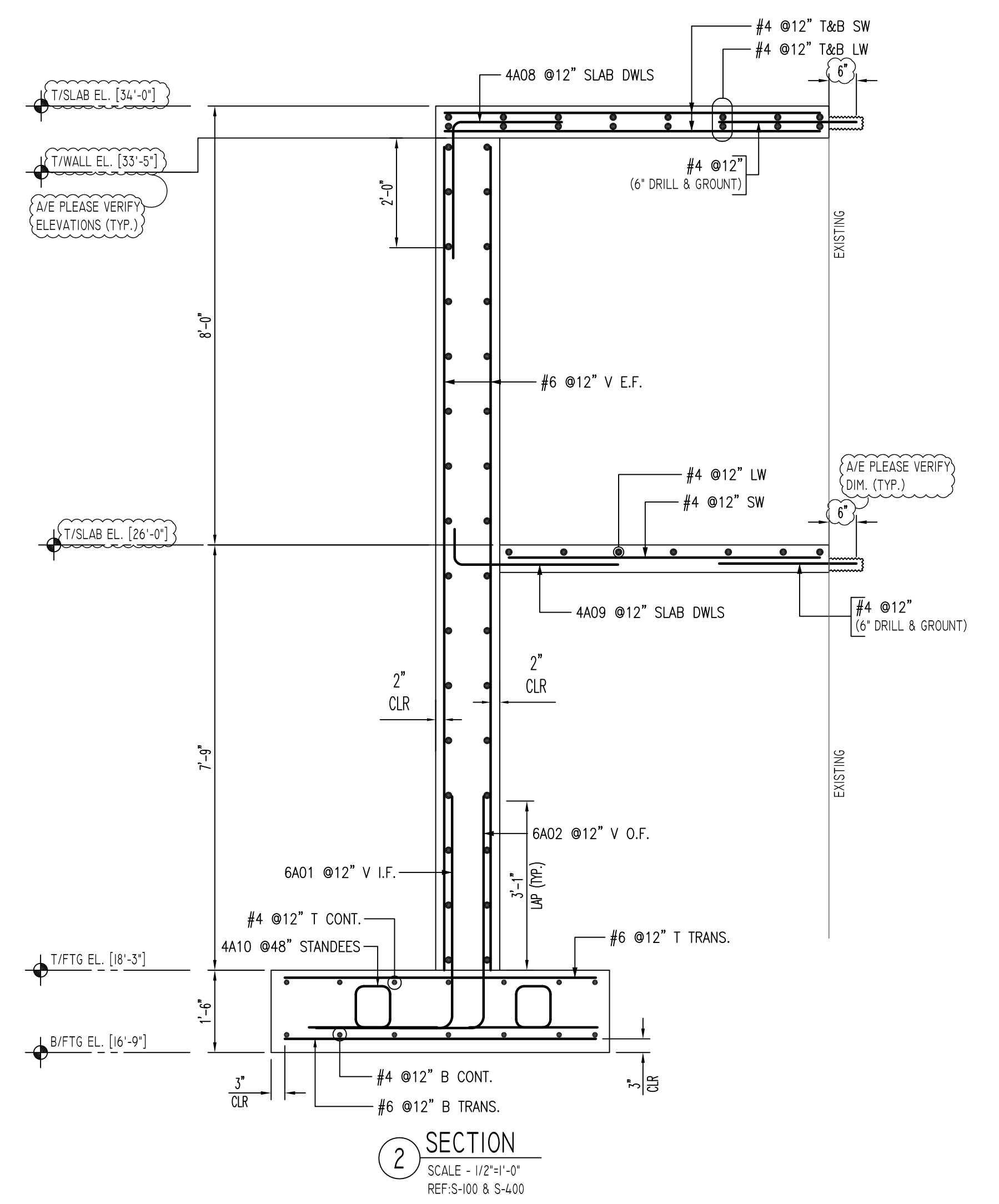
LOCATION	MIN. COVER
FOOTINGS BOTTOM & SIDES	3" CLR
FOOTINGS TOP	2" CLR
WALLS EACH FACE	2" CLR

LAP SCHEDULE

SIZE	4000 PSI (FOR WALL)	
	VERT.	HORZ.
#4	25"	33"
#5	31"	40"
#6	37"	48"
#7	54"	70"
#8	62"	81"
#9	91"	70"
#10	102"	79"
#11	113"	87"

LAP SCHEDULE

SIZE	4000 PSI (FOR FOOTING)	
	TOP	OTHER
#4	20"	15"
#5	25"	19"
#6	29"	23"
#7	43"	33"
#8	49"	37"
#9	63"	49"
#10	82"	63"
#11	104"	80"



Abbreviations:
I.F.=Inside Face
O.F.=Outside Face
E.F.=Each Face
DWL=Dowel
V=Vertical
H=Horizontal
C.B.=Corner Bar
S.DWL=Slab Dowel
E.W.=Each Way
B/BOT.=Bottom
T=Top
MDWL=Masonry Dowel
B.B.=Bond Beam
ALT.=Alternate
Approx.=Approximate

OPNG=Opening
BAL.=Balance
BTW.=Between
CJ=Construction Joint
CLR.=CLEARANCE
CMU=Concrete Masonry Unit
CONT.=Continuous
EA.=Each
Elev.=Elevation
EMB.=Embedment
SW=Short Way
MDWL=Masonry Dowel
LW=Long Way
BL.=Black Bar
EPP=Epoxy Bar
(GA)=Galvanized

NOTICE

Shortages, improper fabrication or claims for any other reason must be reported to this company within a period of 15 days of delivery. This company reserves the right to field inspect prior to replacement or reconditioning of nonconforming material, and will not honor charges for work done in the field without specific authorization from this company.

REINFORCING STEEL PLACING DRAWINGS ONLY USE IN CONJUNCTION WITH CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON THIS DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER OR CONTRACTOR.

REVISION MARK	REVISION DETAILS	DATE
0	FOR APPROVAL	02/11/2020

PROJECT	BCT INNOVATION CENTER		
LOCATION	NEW HAVEN, CT 06520		
ARCHITECT	WEISS/MANFREDI		
ENGINEER	THORNTON TOMASETTI ASSOCIATES		
CUSTOMER	UNIVERSAL FOUNDATIONS		
DRAWN BY: SAN/MRS	DATE: 02/11/20	REVIEWED BY: T/L	JOB NO. 20011
DRAWING TITLE: SOUTH COURTYARD RETAINING WALL REINFORCEMENT DETAILS			DRAWING NO.: R01