

**CONCRETE REINF. LAP SPLICE SCHEDULE
(3000 PSI CONCRETE - 145 PCF)**

BAR SIZE	LAP TYPE	TOP BARS				OTHER BARS			
		CATEGORY				CATEGORY			
		1	3	5	6	1	3	5	6
#3	A	16	16	16	16	13	13	13	13
	B	21	21	21	21	16	16	16	16
#4	A	23	22	22	22	18	17	17	17
	B	30	28	28	28	23	22	22	22
#5	A	36	27	27	27	21	21	21	21
	B	46	35	35	35	26	27	27	27
#6	A	50	35	32	32	29	27	25	25
	B	65	46	42	42	35	35	32	32
#7	A	63	48	38	38	33	31	29	29
	B	89	63	43	43	39	48	38	38
#8	A	90	63	45	43	40	49	35	33
	B	117	82	59	56	46	63	45	43
#9	A	114	80	57	48	48	62	44	37
	B	148	104	74	63	54	80	57	48
#10	A	145	102	73	58	52	78	56	45
	B	188	132	94	76	65	102	73	58
#11	A	178	125	89	71	63	96	69	55
	B	231	162	116	93	78	125	89	71

- NOTES:**
- CONCRETE COVER > db.
 - BAR SPACING CATEGORY (S-CENTER-CENTER SPACING):
 1 - S < 3db
 2 - 3db < S < 4db
 3 - 4db < S < 6db
 4 - S < 6db
 - TOP BARS DEFINED AS REINFORCING WITH #2 CONCRETE PLACED MONOLITHIC BELOW.

**SPREAD FOOTING SCHEDULE
4000 psf**

MARK	SIZE	THICKNESS	BOTTOM BARS	TOP BARS	REMARKS
(4) 4F-3.0	3'-0" SQ.	1'-0"	6R5 E.W.	-	-
(3) 4F-4.0	4'-0" SQ.	1'-0"	6R5 E.W.	-	-
(2) 4F-5.0	5'-0" SQ.	1'-2"	6R5 E.W.	-	-
(1) 4F-6.0	6'-0" SQ.	1'-4"	7R6 E.W.	-	-
(3) 4F-7.0	7'-0" SQ.	1'-6"	6R6 E.W.	-	-
(4) 4F-8.0	8'-0" SQ.	1'-0"	6R7 E.W.	-	-
(2) 4F-9.0	9'-0" SQ.	2'-0"	10R7 E.W.	-	-

WALL FOOTING SCHEDULE

MARK	WIDTH	DEPTH	BOTTOM REINFORCING	TOP REINFORCING	TRANSVERSE REINFORCING	REMARKS
WF-2.0	2'-0"	1'-0"	(2) #5	-	#4 @ 48" O.C.	-
WF-5.0	5'-0"	1'-4"	(5) #5	(5) #4	#4 @ 24" O.C. #5 @ 12" O.C.	-

COLUMN BASE PLATE SCHEDULE

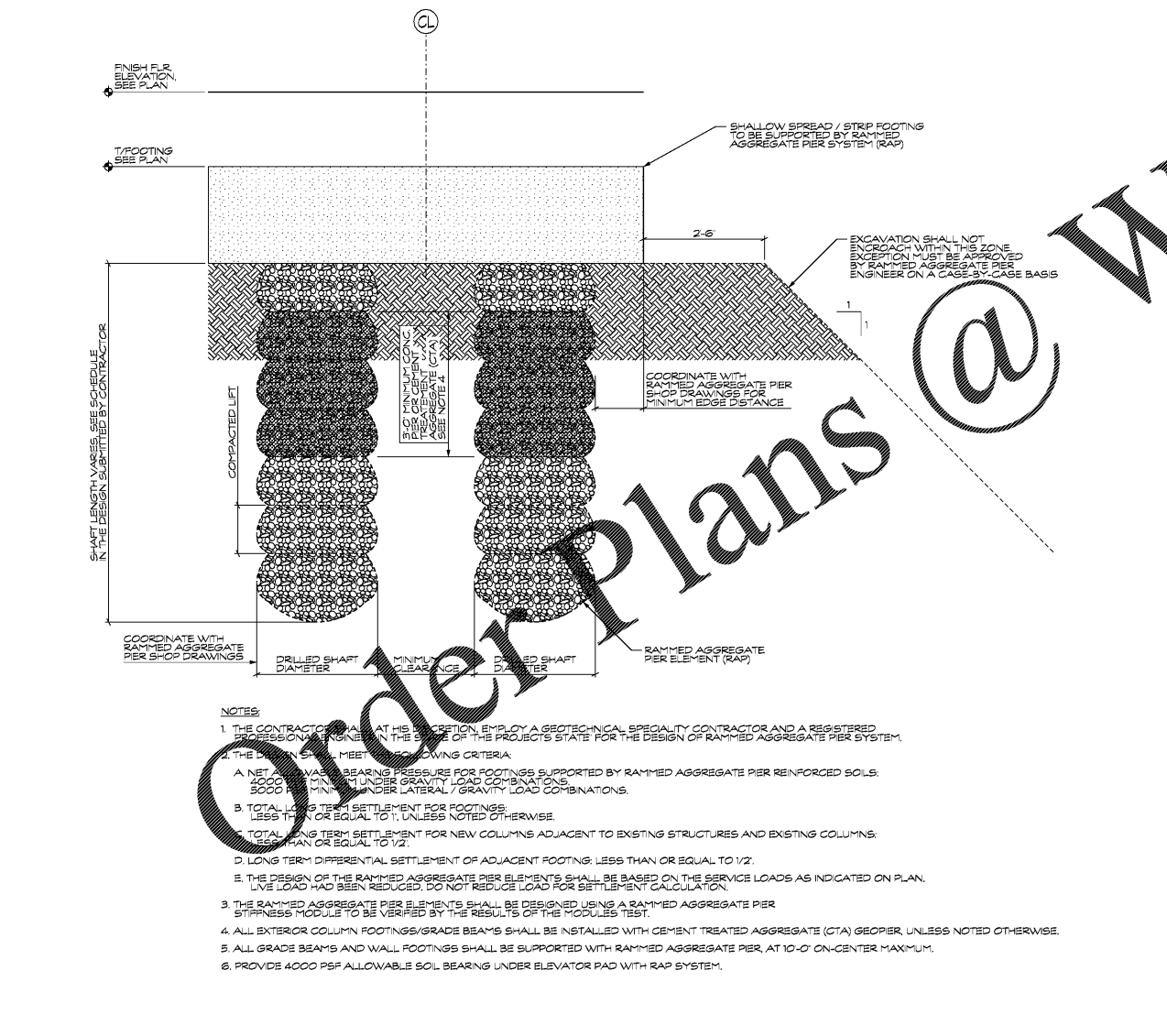
MARK	PLATE (N)			GRADE	EDGE	EDGE	EDGE	ROW	ANCHOR BOLTS	A-B GRADE	BOLT THICKNESS	EMBED DEPTH	SQUARE WASHER	A-B LAYOUT DETAIL	REMARKS
	N	E	S												
(8) BF-1	14'	14'	3/4"	-	-	2'	2'	-	(4) 3/4"	R554-35	2"	7"	PL1/2 x 3	AB-6	-
(17) BF-2	18'	18'	1"	-	-	2'	2'	-	(4) 3/4"	R554-35	2"	7"	PL1/2 x 3	AB-6	-
(5) BF-3	16'	16'	1 1/2"	-	-	2'	2'	-	(4) 3/4"	R554-35	2"	7"	PL1/2 x 3	AB-6	-



1 3000 PSI SPLICE SCHEDULE
NO SCALE

2 FOOTING SCHEDULE
NO SCALE

3 BASE PLATE SCHEDULE, BASE PLATE AND ANCHOR BOLT DETAILS
NO SCALE



- NOTES:**
- THE CONTRACTOR SHALL AT HIS OPTION EMPLOY A GEOTECHNICAL SPECIALTY CONTRACTOR AND A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF THE PROJECT'S STATE FOR THE DESIGN OF RAMMED AGGREGATE PIER SYSTEM.
 - THE DESIGN SHALL MEET THE FOLLOWING CRITERIA:
 - NET ALLOWABLE BEARING PRESSURE FOR FOOTINGS SUPPORTED BY RAMMED AGGREGATE PER REINFORCED SOILS: 4000 PSF MINIMUM UNDER GRAVITY LOAD COMBINATIONS; 3000 PSF MINIMUM UNDER LATERAL / GRAVITY LOAD COMBINATIONS.
 - TOTAL LONG TERM SETTLEMENT FOR FOOTINGS: LESS THAN OR EQUAL TO 1", UNLESS NOTED OTHERWISE.
 - TOTAL LONG TERM SETTLEMENT FOR NEW COLUMNS ADJACENT TO EXISTING STRUCTURES AND EXISTING COLUMNS: LESS THAN OR EQUAL TO 1/2".
 - LONG TERM DIFFERENTIAL SETTLEMENT OF ADJACENT FOOTING: LESS THAN OR EQUAL TO 1/2".
 - THE DESIGN OF THE RAMMED AGGREGATE PIER ELEMENTS SHALL BE BASED ON THE SERVICE LOADS AS INDICATED ON PLAN. LIVE LOAD HAD BEEN REDUCED, DO NOT REDUCE LOAD FOR SETTLEMENT CALCULATION.
 - THE RAMMED AGGREGATE PIER ELEMENTS SHALL BE DESIGNED USING A RAMMED AGGREGATE PIER STIFFNESS MODULE TO BE VERIFIED BY THE RESULTS OF THE MODULES TEST.
 - ALL EXTERIOR COLUMN FOOTINGS/GRADE BEAMS SHALL BE INSTALLED WITH CEMENT TREATED AGGREGATE (CTA) GEOTEXTILE UNLESS NOTED OTHERWISE.
 - ALL GRADE BEAMS AND WALL FOOTINGS SHALL BE SUPPORTED WITH RAMMED AGGREGATE PIER AT 10'-0" ON-CENTER MAXIMUM.
 - PROVIDE 4000 PSF ALLOWABLE SOL BEARING UNDER ELEVATOR PAD WITH RAP SYSTEM.

4 TYPICAL RAMMED AGGREGATE PIER DETAIL
NO SCALE



HOME 2 SUITES BELMONT
 HAWLEY AVE
 BELMONT, NC 28012
 KEY PLAN

Revisions		
#	Date	Description

Project Number: 18021
 Issued for: CONSTRUCTION
 Issue Date: 06/01/19
 DRAWING TITLE
FOUNDATION SCHEDULES AND DETAILS

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S-403