## NOTES

- 1. Work this Index with the Noise Wall Data Tables, and Wall Control Drawings in the Plans. A. Prestressed concrete posts with equivalent strength resistance may be substituted for conventionally reinforced precast posts shown in this index when approved as part of a Producer's Quality Control Plan.
  - B. Producer shop drawings for prestressed concrete post designs must be approved by the State Structures Design Office prior to inclusion in the Quality Control Plan.
- 2. Construct Noise Walls in accordance with the requirements of Specification Section 534, and Augers Cast Piles in accordance with Specification Section 455.
- 3. Field verify the location of all overhead and underground services shown in the Wall Control Drawings.
- 4. Wall Height is the nominal height of the walls above finished grade. The Wall Embedment Depth for design is 1'-0". The actual embedment depth may vary plus or minus 6" along the length of the wall.
- 5. Post Spacing in this Index are nominal, and are measured from centerline to centerline of the auger cast piles. Actual post spacing may vary as shown in the Wall Control Drawings.

### 6. Panels:

- A. The sum of the individual stacked panel heights is the Wall Height plus 1'-0" (embedment depth).
- B. Where special graphics are required, locate the horizontal panel joints outside of the graphics. Where possible, hold horizontal panel joints at a constant elevation.
- C. Side Installed Panels are only permitted when reduced overhead clearance between posts prohibits installing panels from the top.
  - 1. For Flush Face panels, install panel into posts from the roadway (front face) of the wall. Recessed panels may be installed from the back face of the wall.
  - 2. After panels are installed and centered between posts, grout between both panel ends and the adjoining posts (see Sheets 4 and 5 for details).
- D. Individual panel heights should be between 6'-0" and 12'-0" tall. The minimum panel height is 4'-0" and may be used where overhead clearance is limited, or where graphic panels are required on shorter walls.

### 7. Concrete And Grout:

- A. Concrete Class and Compressive Strength for:
  - 1. Precast Panels, Posts, and Post Caps: Class IV
  - 2. Cast-In-Place Collars: Class IV
- B. Minimum Compressive Strength for form removal and handling of posts and panels:
  - 1. 2,500 psi for horizontally cast post and panels
  - 2. 2,000 psi for vertically cast panels or when tilt-up tables are used for horizontally cast panels.
- C. Grout for Auger Cast Piles:
  - 1. Maximum Working Compressive Strength = 2,000 psi
  - 2. Minimum 28 day strength = 5,000 psi
- 8. Reinforcing Steel:
  - A. In addition to the requirements of Specification Section 415, tie post and pile stirrups at the following locations as a minimum:
    - 1. Post Stirrups Tie at all four corner bars and at every third interior bar intersection
    - 2. Pile Stirrups Tie to the main vertical reinforcing at alternate intersections for circular configurations and at the four corners and at every third interior bar intersection for rectangular configurations.
  - B. Provide 2" concrete cover unless noted otherwise.
- 9. Casting Tolerances for precast panels and posts:
  - A. Overall Height and Width:  $+/-\frac{1}{4}$ "
  - B. Thickness:  $+/-\frac{1}{4}$ "
  - C. Plane of side mold: +/- 1/16"
  - D. Openings: +/- 1/2"
  - E. Out of Square: 1/8" per 6 ft., but not more than 3/8"total along any side
  - F. Warping: 1/16" per foot distance to nearest corner
  - G. Bowing: 1/240 panel dimension
  - H. Surface Smoothness for Type "A" Smooth Surface Texture Option: +/- 1/16"

- 10. Provide Plain or Fiber Reinforced Bearing Pads meeting the requirements of Specification Section 932 for Ancillary Structures. A. For Collar Bearing Points provide:
  - 1. 4"x 4"x <sup>1</sup>/<sub>2</sub>" Fiber Reinforced Pads;
    - 2. Plain Pads may be substituted for Fiber Reinforced Pads when sufficient bearing area is available on the concrete collar for the followina:
      - a. 10' Post Spacing:  $4''x 4''x \frac{1}{2}''$
      - b. 20' Post Spacing and Wall Height < 17 feet:  $4''x 4''x \frac{1}{2}''$
      - c. 20' Post Spacing and Wall Height  $\geq$  17 feet: 4"x 5"x  $\frac{1}{2}$ "
  - B. At panel bearing points between stacked panels, use Plain or Fiber Reinforced Bearing Pads.

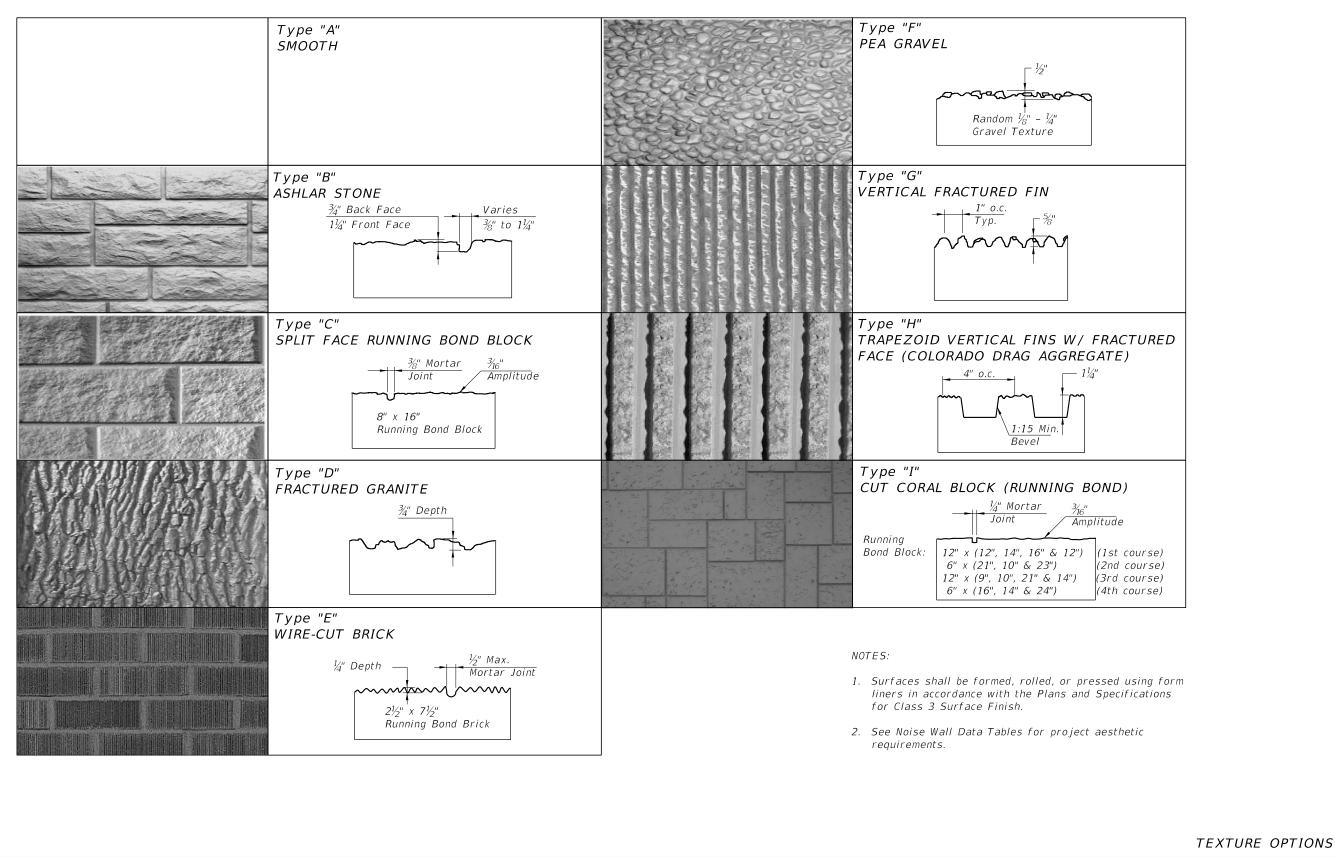
LAST REVISION 11/01/16

DESCRIPTION:



GENERAL NOTES

<b>N</b> .	INDEX	SHEET
[')	534-200	1 of 16

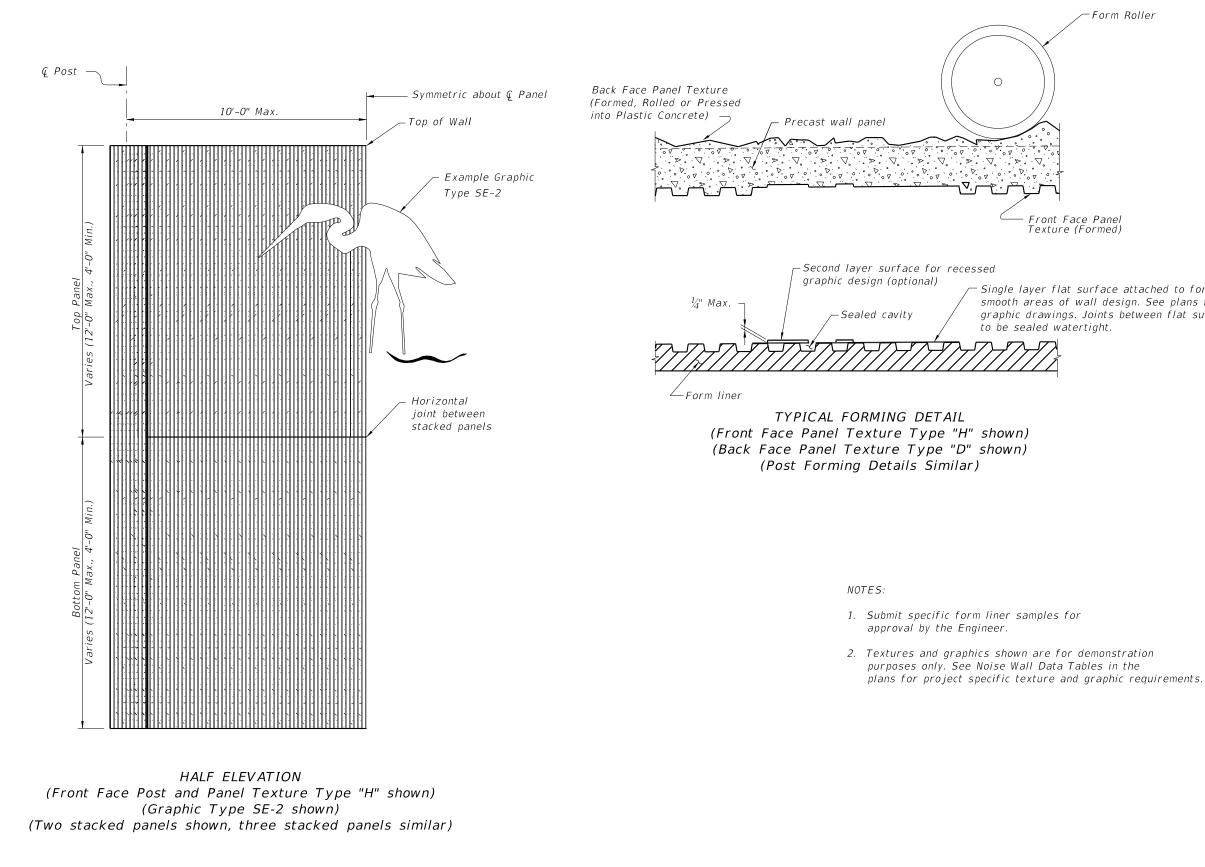


DESCRIPTION: LAST REVISION 07/01/13

FDOT

FY 2019-20 STANDARD PLANS

INDEX SHEET NOISE WALLS - (PRECAST) 2 of 16 534-200



DESCRIPTION:



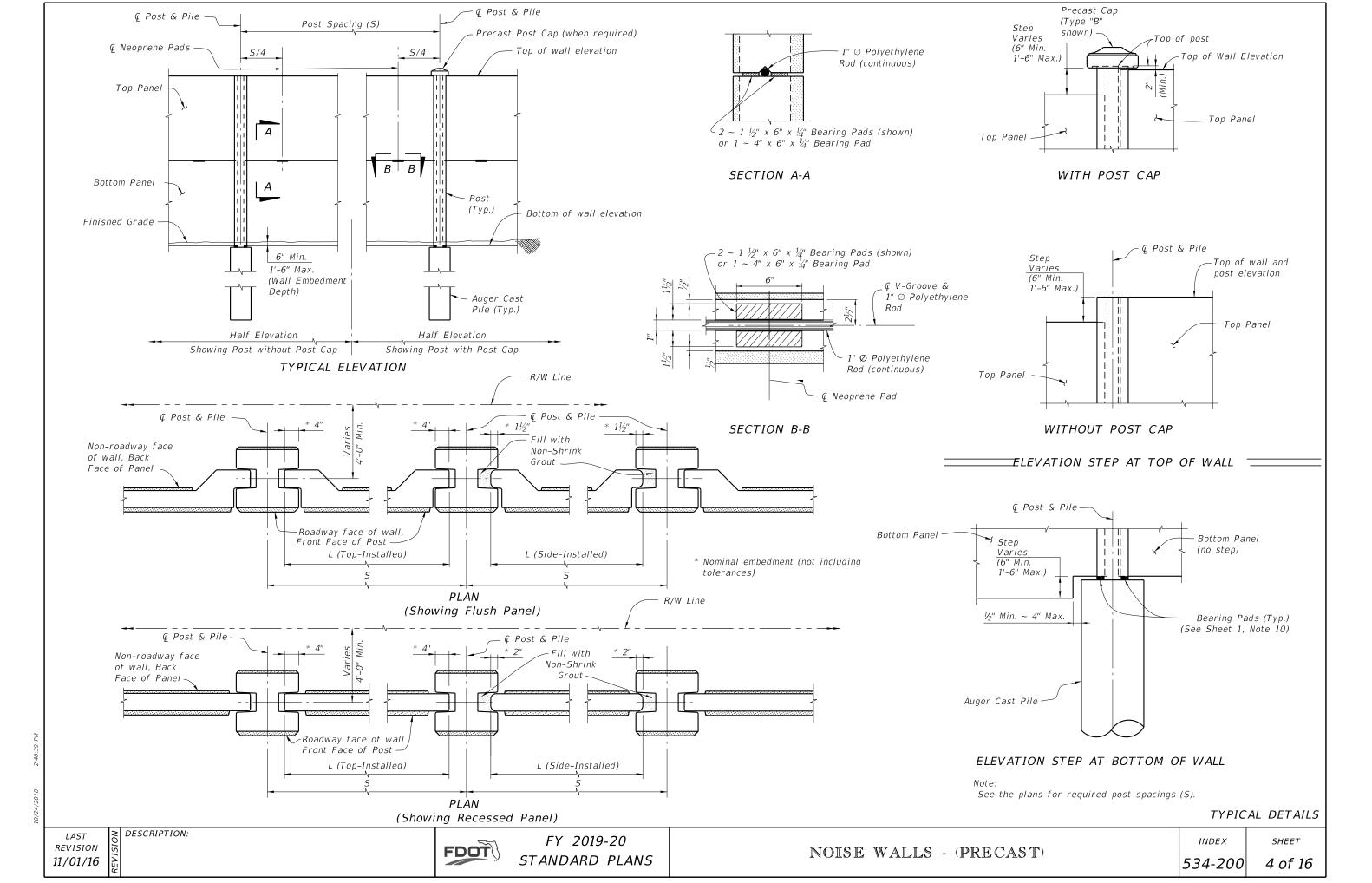
FY 2019-20 STANDARD PLANS

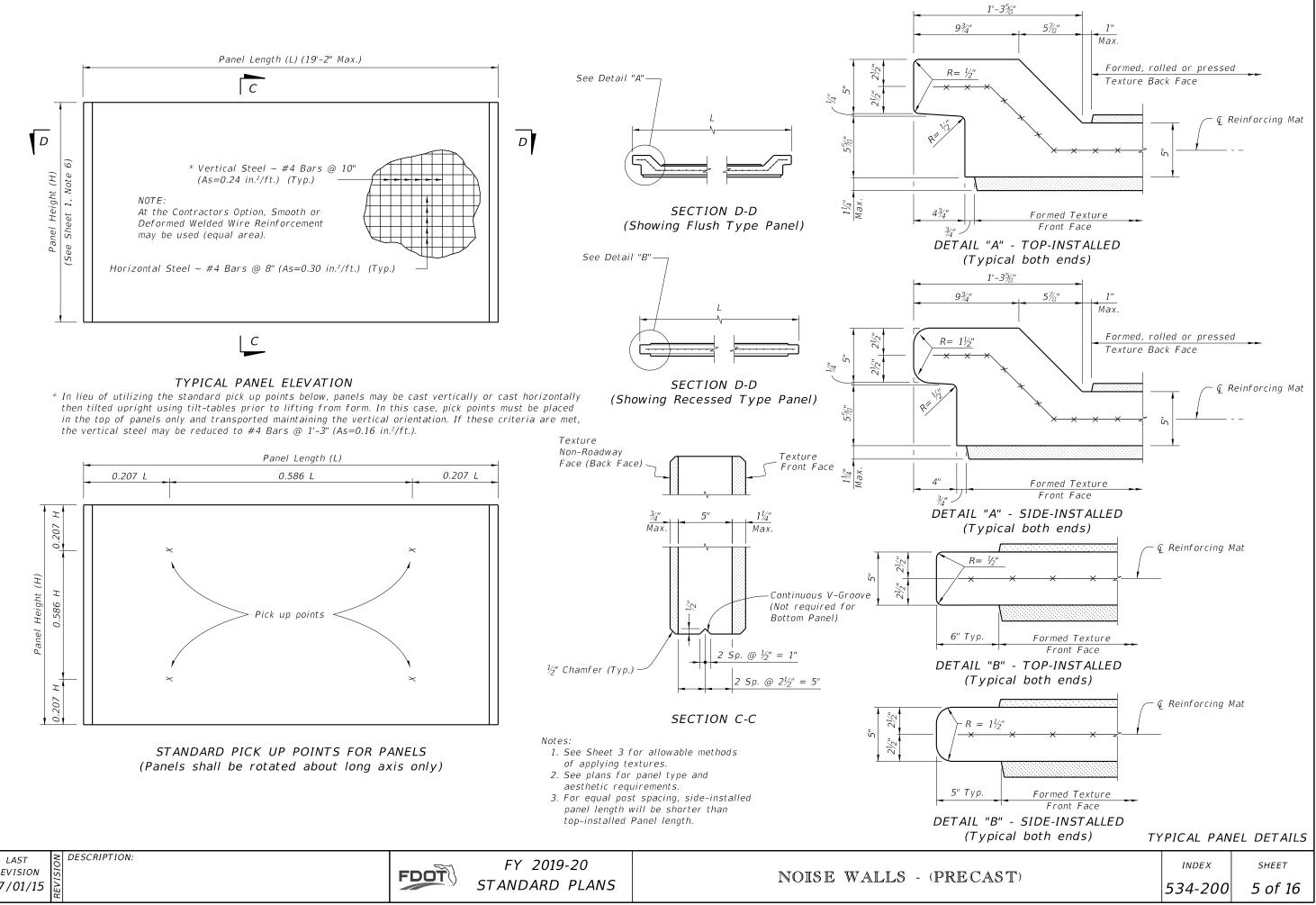
NOISE WALLS - (PRECAST

Single layer flat surface attached to form liner for casting smooth areas of wall design. See plans for project specific graphic drawings. Joints between flat surface and form liner

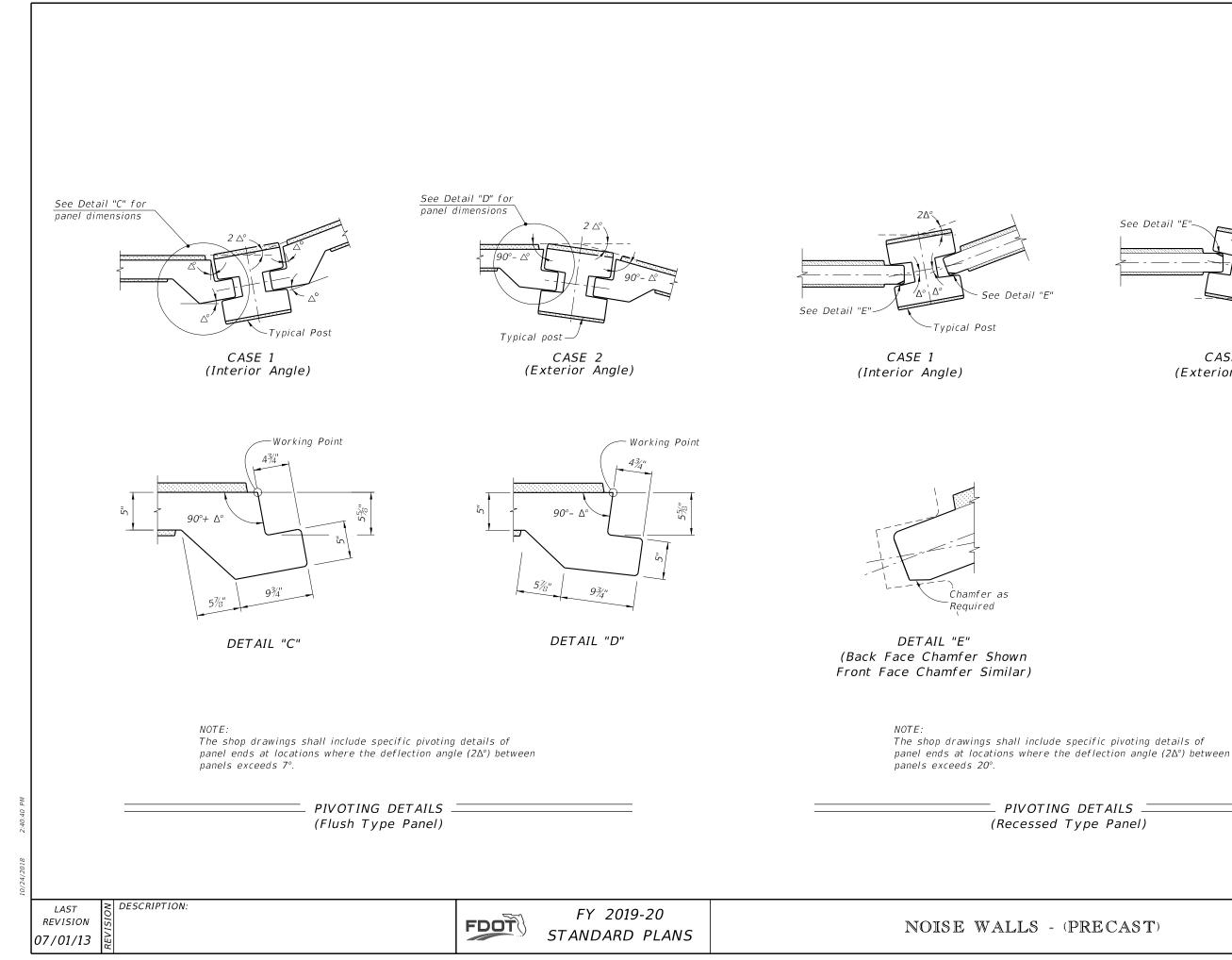
GRAPHICS & TEXTURE DETAILS

λ.	INDEX	SHEET
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REVISION 07/01/15

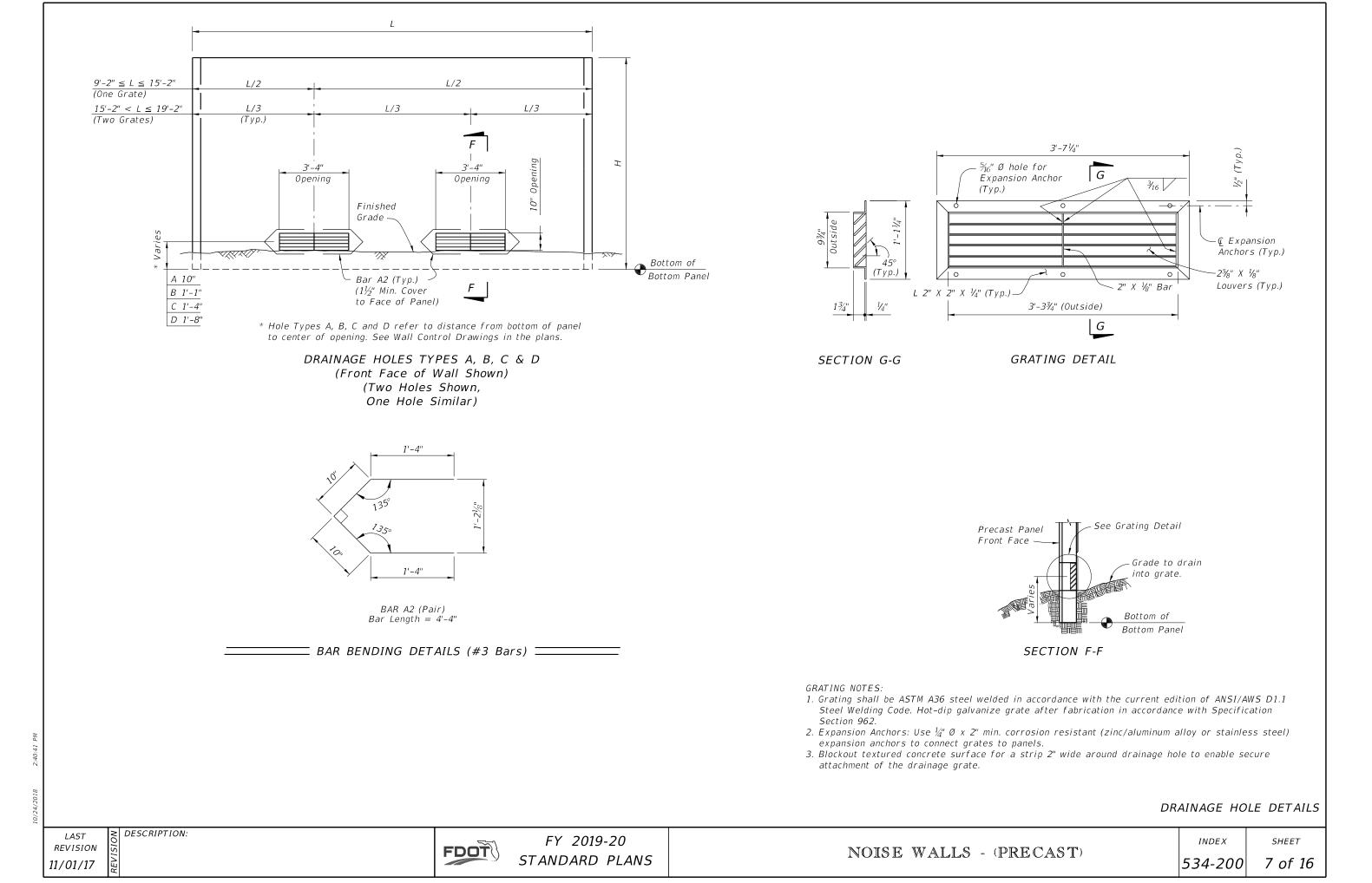


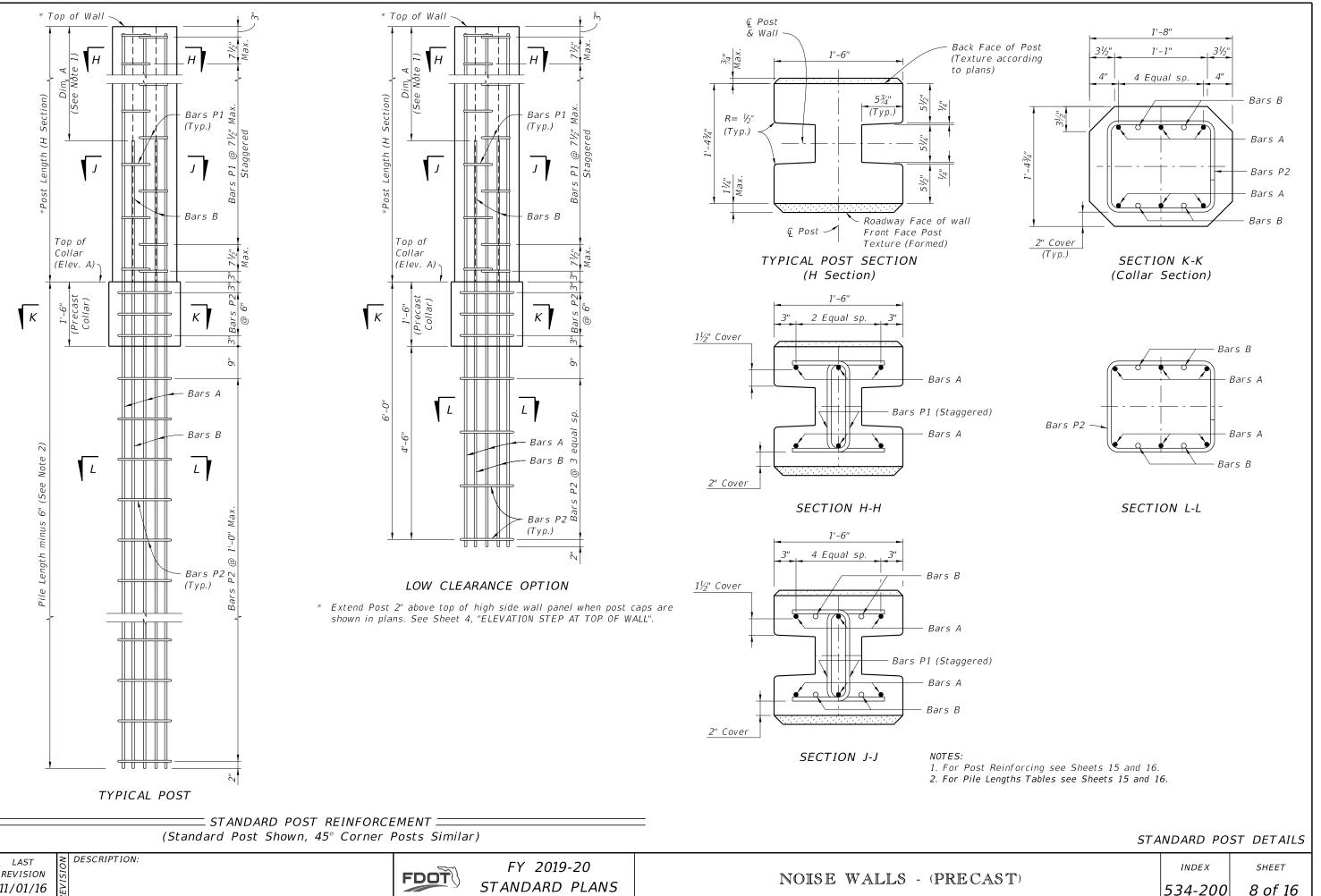
Typical Post See Detail "E" See Detail "E"

CASE 2 (Exterior Angle)

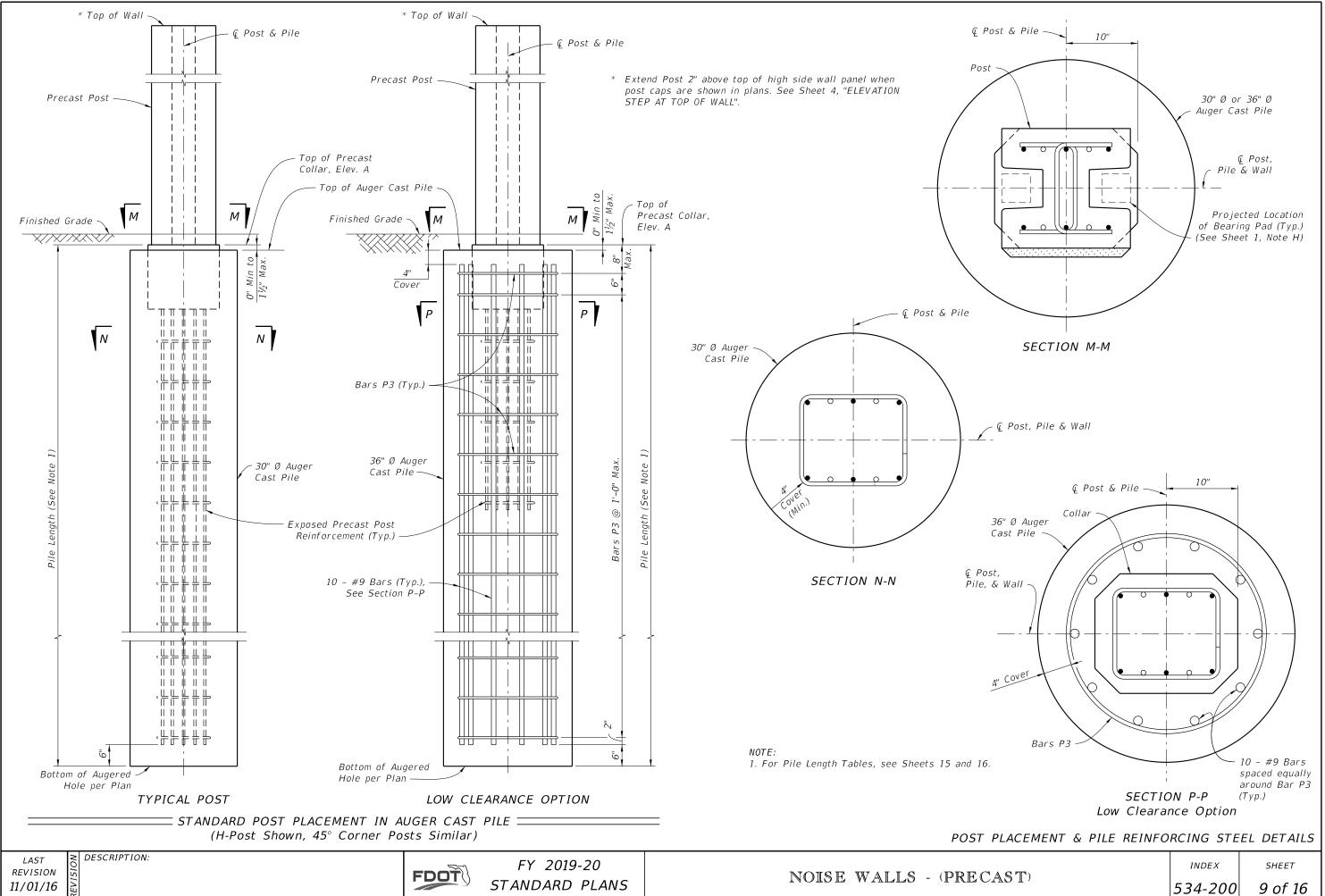
TYPICAL PANEL DETAILS

	INDEX	SHEET
CAST)	534-200	6 of 16

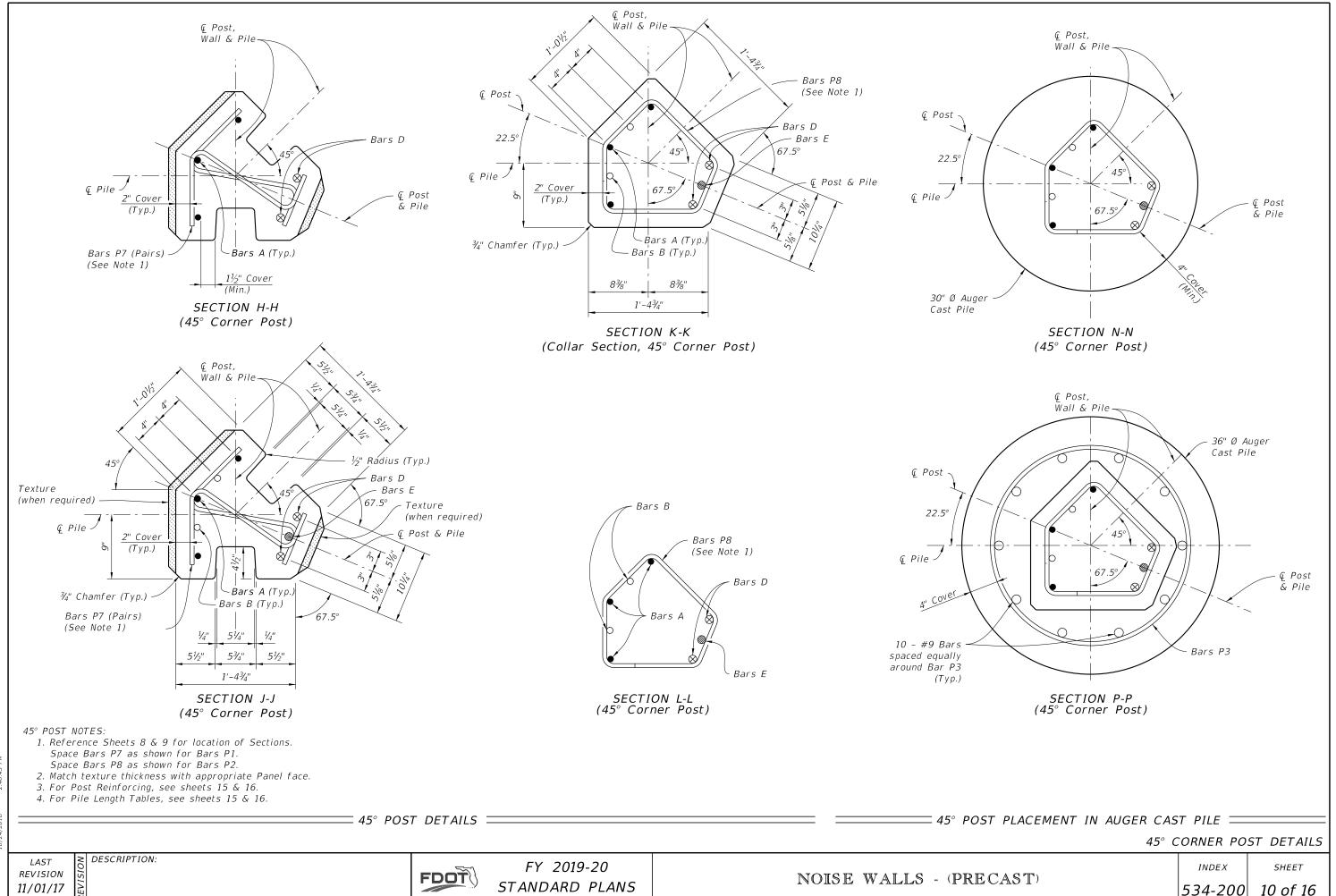


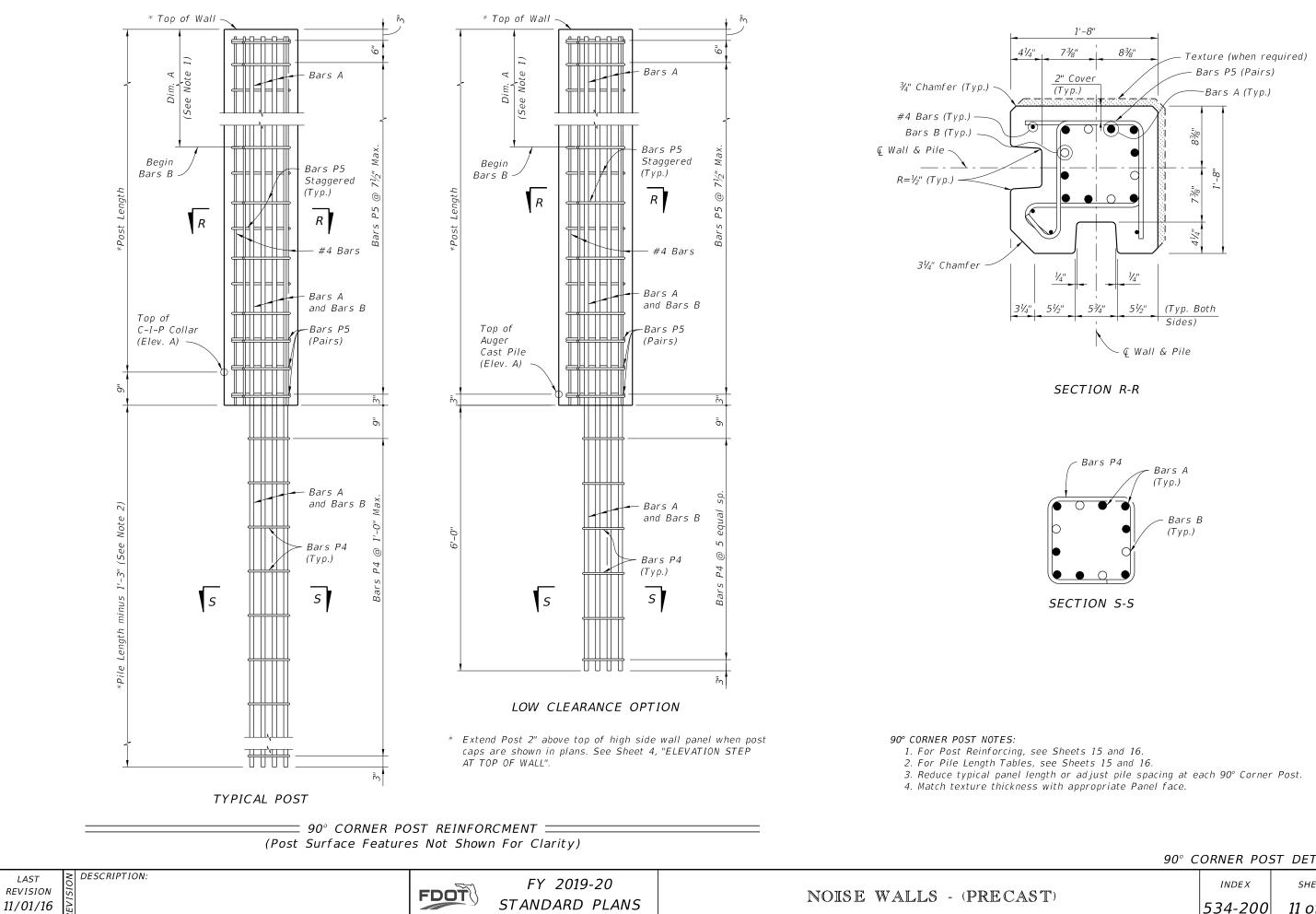


REVISION 11/01/16

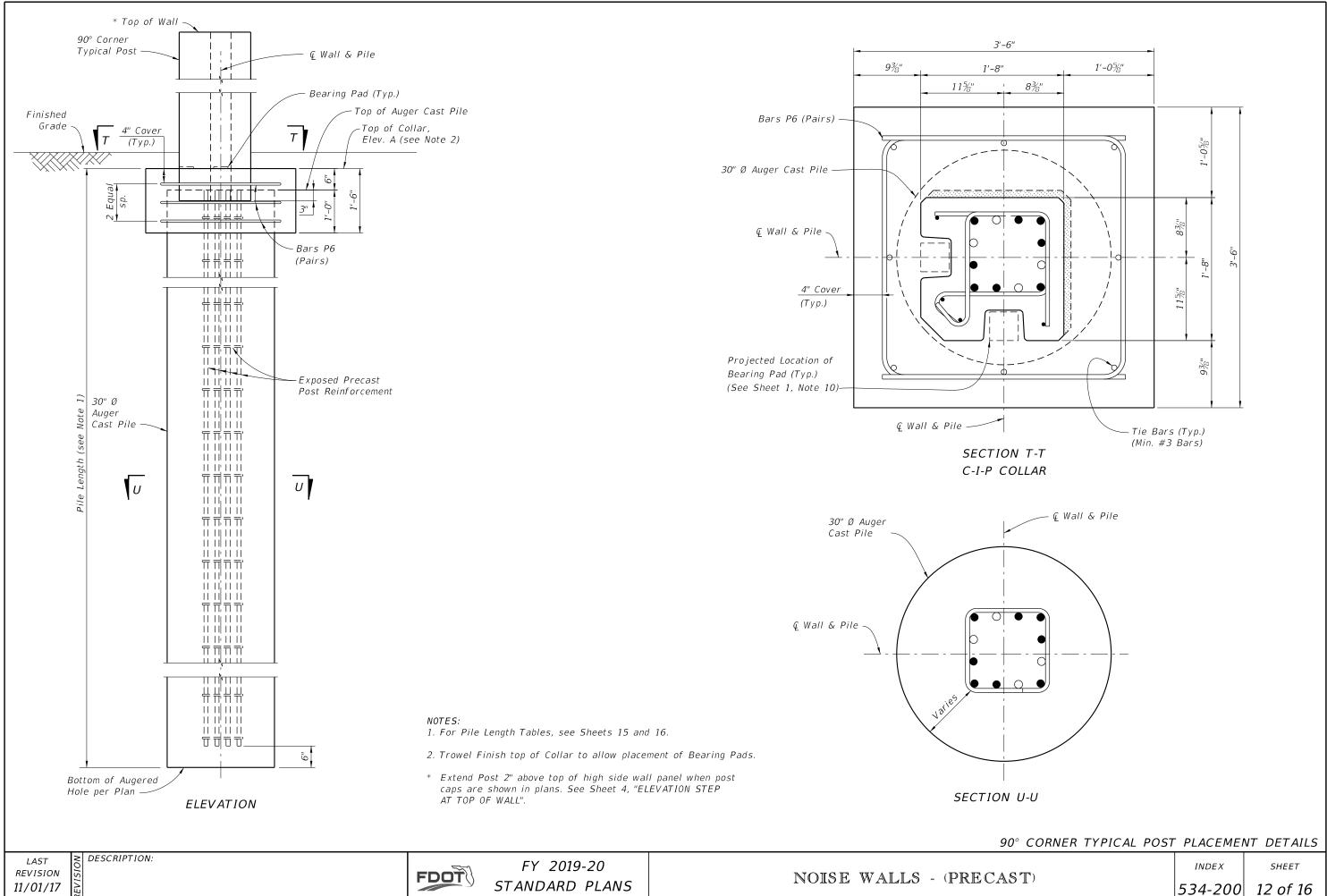


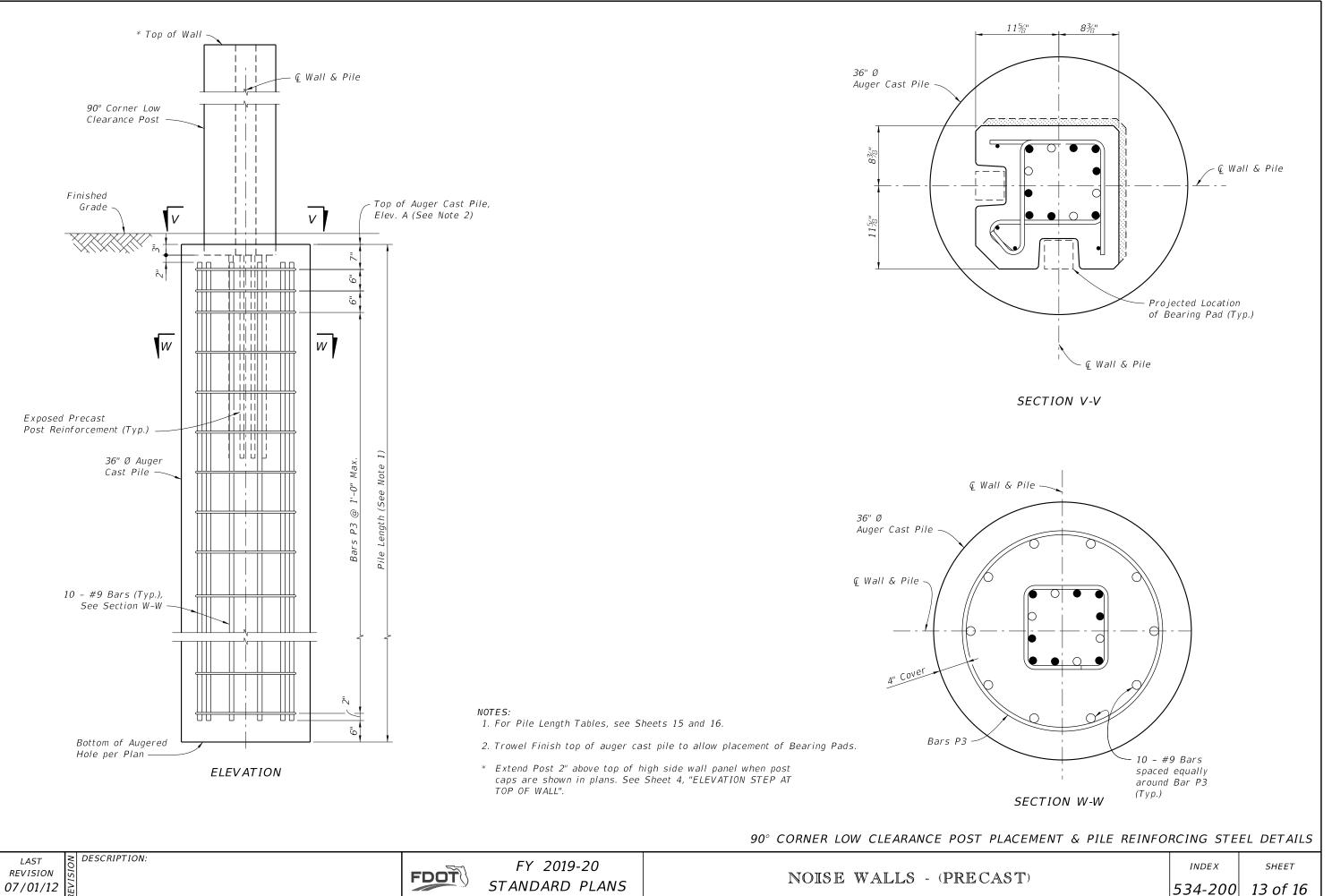
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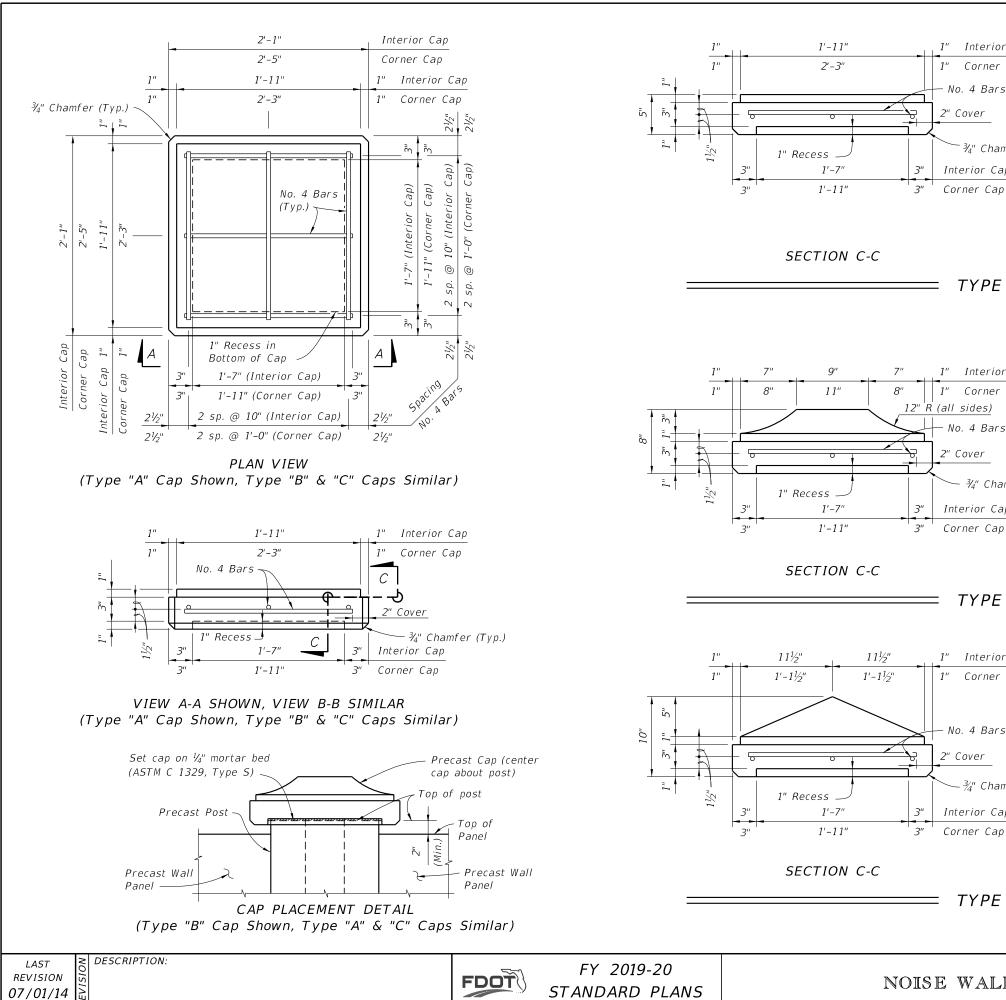




90° CORNER POST DETAILS SHEET 11 of 16







# NOISE WALLS - (PRECAST)

1" Interior Cap

1" Corner Cap

¾" Chamfer (Typ.)

No. 4 Bars

Interior Cap

1" Interior Cap

– ¾" Chamfer (Typ.)

1" Corner Cap

- No. 4 Bars

2" Cover

Interior Cap

1" Interior Cap

1" Corner Cap

No. 4 Bars

Interior Cap

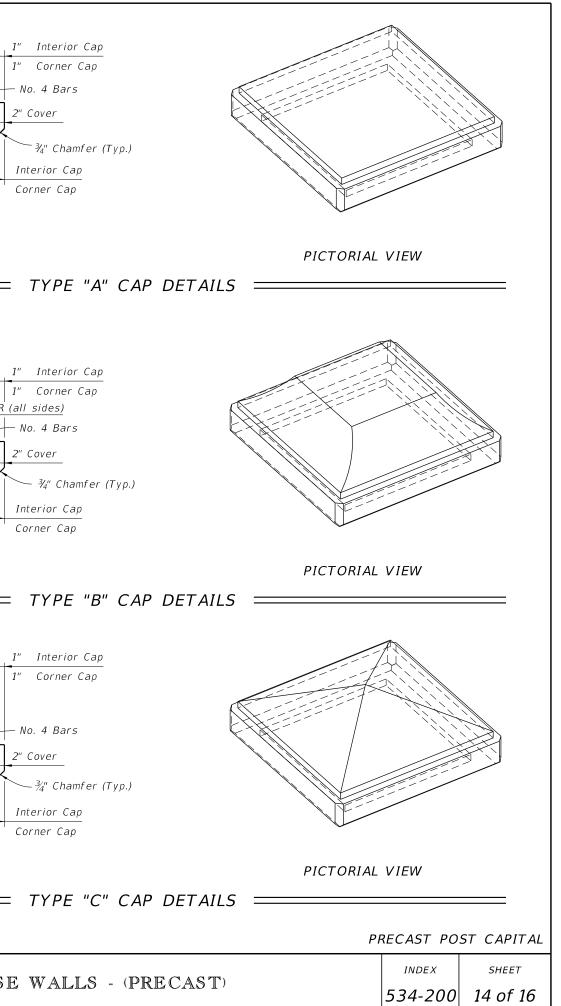
-¾" Chamfer (Typ.)

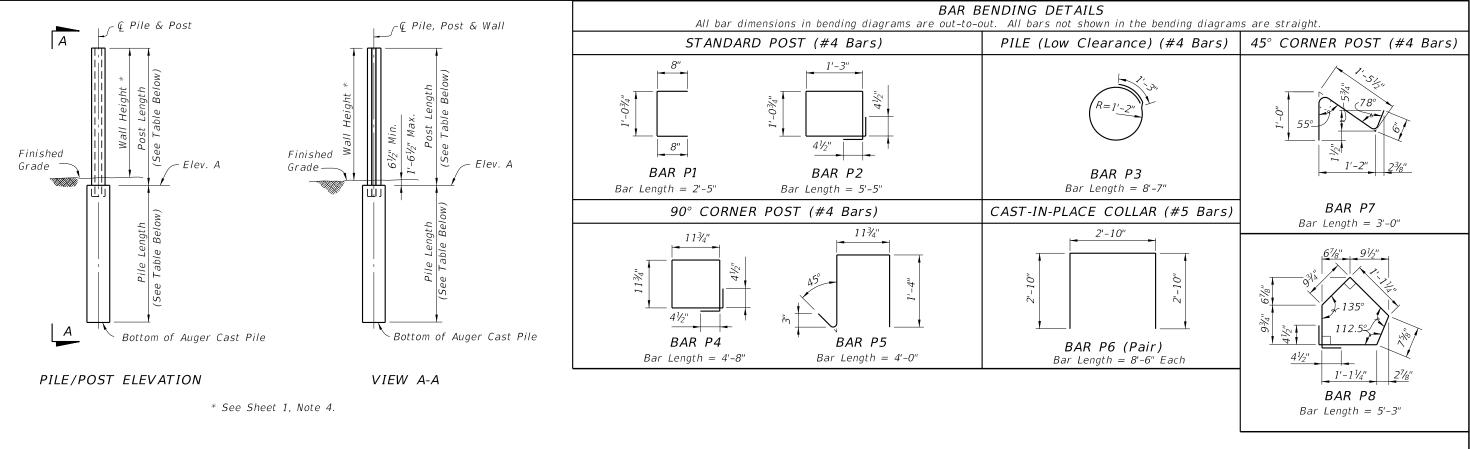
2" Cover

Corner Cap

Corner Cap

2" Cover





		Т	ABLE 1	!A - T.	ABLE (	OF PO	ST RE.	INFOR	CING S	STEEL								TAE	BLE 1B	- PILE	E LENG	GTHS	(Feet)	- WIN	D SPE	ED =	130 M	PH			
	POST L	ENGTHS	5 WIND SPEED = 130 MPH							10'-0" POST SPACING								20'-0" POST SPACING													
NOMINAL WALL						'-0'' SPACING						'-0'' SPACING			NOMINAL WALL		H-PC	)STS			CORNER	R POSTS			H-P(	)STS			CORNER	R POSTS	
HEIGHT (Feet)	WITHOUT CAP	WITH CAP	BARS A	BA	ARS B	BARS D	BA	RS E	BARS A	BA	IRS B	BARS D	BA	ARS E	HEIGHT (Feet)	50	'L 1	501	IL 2	50	'L 1	501	'L 2	501	L 1	501	L 2	501	IL 1	501	IL 2
			SIZE	SIZE	DIM 'A'	SIZE	SIZE	DIM 'A'	SIZE	SIZE	DIM 'A'	SIZE	SIZE	DIM 'A'		30" ⊘	36" ⊘	30" ⊘	36" ⊘	30" ⊘	36″ ⊘	30" ⊘	36" ©	30" Ø	36" Ø	30" Ø	36" ⊘	30" ⊘	36" ⊘	30" ⊘	36" ⊘
12	13'-0½"	13'-2 <sup>1</sup> / <sub>2</sub> "	#4	#4	7'-11"	#4	#4	9'-11"	#5	#5	9'-8''	#6	#6	9'-4"	12	11	10	10	10	11	10	10	10	15	14	13	12	14	13	13	12
13	14'-0½"	14'-2½"	#4	#4	10'-11"	#4	#4	10'-11"	#5	#5	9'-8''	#6	#6	9'-4"	13	12	11	10	10	11	10	10	10	15	14	13	13	15	14	13	12
14	15'-0½"	15'-2½"	#4	#4	10'-11''	#5	#5	11'-8"	#6	#6	11'-4''	#7	#7	10'-8''	14	12	11	11	10	12	11	10	10	16	15	14	13	15	14	14	13
15	16'-0½"	16'-2½"	#4	#4	10'-11''	#5	#5	12'-8"	#6	#6	11'-4''	#7	#7	10'-8''	15	12	12	11	10	12	11	11	10	16	15	15	13	16	15	14	13
16	17'-0½"	17'-2½"	#5	#5	13'-8"	#5	#5	12'-8"	#6	#6	11'-4"	#7	#7	10'-8"	16	13	12	11	11	12	12	11	10	17	16	15	14	16	15	15	14
17	18'-0½"	18'-2½"	#5	#5	14'-8''	#5	#5	12'-8"	#7	#7	12'-8''	#7	#8	10'-0''	17	13	12	12	11	13	12	11	11	18	16	16	14	17	16	15	14
18	19'-0½"	19'-2 <sup>1</sup> / <sub>2</sub> "	#5	#5	14'-8''	#6	#6	14'-4''	#7	#7	12'-8''	#8	#8	12'-0"	18	14	13	12	11	13	12	12	11	18	17	16	15	18	16	15	14
19	20'-0 <sup>1</sup> /2"	20'-2 <sup>1</sup> /2"	#5	#5	14'-8''	#6	#6	14'-4"	#7	#8	12'-0''	#8	#9	11'-3"	19	14	13	12	12	14	13	12	11	19	17	16	15	18	17	16	15
20	21'-0½"	21'-2½"	#6	#6	16'-4"	#6	#6	14'-4''	#8	#7	14'-8''	#9	#8	14'-0''	20	14	13	13	12	14	13	12	12	19	18	17	16	19	17	16	15
21	22'-0 <sup>1</sup> / <sub>2</sub> "	22'-2 <sup>1</sup> / <sub>2</sub> "	#6	#6	16'-4"	#6	#6	14'-4"	#8	#8	14'-0''	#9	#10	12'-4"	21	15	14	13	12	14	13	13	12	20	18	17	16	19	18	17	16
22	23'-0½"	23'-2½"	#6	#6	16'-4"	#7	#7	16'-8"	#8	#9	13'-3"	#10	#9	15'-3"	22	15	14	14	13	15	14	13	12	20	19	18	17	20	18	17	16

DESCRIPTION: LAST REVISION 11/01/16



TABLE NOTE:

1. Bars D and Bars E are for 45° Corner Posts only. 2. See Contract Plans for project wind speed. 3. Soil 1 = Loose Granular Soil, N = 4 to 9.

Soil 2 = Medium Dense Granular Soil, N = 10 to 40.

PILE DEPTH & REINFORCING SUMMARY

	INDEX	SHEET
CAST)	534-200	15 of 16

			ABLE 2	2A - T.	ABLE C			INFOR										BLE 2B			GTHS	(Feet)	- WIN	ID SPE						
	POST LENGTHS WIND SPEED = 150 MPH						_			10	'-0" POS	T SPACI	NG					20	'-0" POS	T SPACI.	NG									
IOMINAL WALL		10'-0" 20'-0" POST SPACING POST SPACING		NOMINAL WALL		H-PC	H-POSTS CORNER POSTS						H-POSTS				CORNER POSTS													
HEIGHT (Feet)	WITHOUT CAP	WITH CAP	BARS A		RS 3	BARS D		ARS E	BARS A	BA E		BARS D	BARS E	HEIGHT (Feet)	50	'L 1	501	L 2	501	L 1	501	L 2	501	L 1	501	IL 2	501	IL 1	50	IL 2
			SIZE	SIZE	DIM 'A'	SIZE	SIZE	DIM 'A'	SIZE	SIZE	DIM 'A'	SIZE	SIZE DII 'A'		30" ⊘	36" ⊘	30" ⊘	36″ ⊘	30" ⊘	36" Ø	30" ⊘	36" ⊘	30" ⊘	36″ ⊘	30" ⊘	36" ⊘	30" ⊘	36″ ⊘	30" ⊘	36 ©
12	13'-0½"	13'-2 <sup>1</sup> / <sub>2</sub> ''	#4	#4	9'-11"	#5	#5	9'-8''	#6	#6	9'-4"	#6	#6 8'-4	12	12	12	11	10	12	11	11	10	17	15	15	14	16	15	14	1.
13	14'-0½"	14'-2 <sup>1</sup> / <sub>2</sub> "	#4	#4	9'-11''	#5	#5	10'-8"	#6	#6	9'-4''	#7	#7 8'-8	13	13	12	11	11	13	12	11	10	17	16	15	14	17	15	15	1
14	15'-0 <sup>1</sup> / <sub>2</sub> "	15'-2½"	#5	#5	11'-8"	#5	#5	10'-8"	#7	#7	10'-8"	#7	#7 8'-8	14	13	12	12	11	13	12	12	11	18	17	16	15	17	16	15	
15	16'-0½"	16'-2 <sup>1</sup> / <sub>2</sub> "	#5	#5	11'-8"	#6	#6	12'-4"	#7	#7	10'-8"	#8	#7 10'-	" 15	14	13	12	11	13	13	12	11	19	17	16	15	18	17	16	
16	17'-0 <sup>1</sup> ⁄2"	17'-2 <sup>1</sup> /2"	#5	#5	11'-8"	#6	#6	12'-4"	#7	#7	10'-8''	#8	#8 10'-	" 16	14	13	13	12	14	13	12	12	19	18	17	16	19	17	16	
17	18'-0½"	18'-2 <sup>1</sup> / <sub>2</sub> "	#6	#6	14'-4"	#6	#6	12'-4"	#7	#8	10'-0"	#9	#8 11'-	" 17	15	14	13	12	14	13	13	12	20	18	17	16	19	18	17	
18	19'-0 <sup>1</sup> / <sub>2</sub> "	19'-2 <sup>1</sup> / <sub>2</sub> "	#6	#6	14'-4"	#7	#7	13'-8"	#8	#8	12'-0"	#9	#10 9'-4	18	15	14	14	13	15	14	13	12	20	19	18	17	20	18	17	$\perp$
19	20'-0 <sup>1</sup> /2"	20'-2 <sup>1</sup> / <sub>2</sub> "	#6	#6	14'-4"	#7	#7	13'-8"	#8	#9	11'-3"	#10	#9 12'-	" 19	16	15	14	13	15	14	14	13	21	19	19	17	20	19	18	
20	21'-0½"	21'-2 <sup>1</sup> / <sub>2</sub> "	#6	#6	14'-4"	#7	#8	13'-0"	#9	#9	13'-3"	#10	#10 11'-	" 20	16	15	14	13	16	15	14	13	22	20	19	18	21	19	18	
21	22'-0 <sup>1</sup> / <sub>2</sub> "	22'-2 <sup>1</sup> / <sub>2</sub> "	#7	#7	16'-8"	#7	#7	13'-8"	#9	#10	12'-4"	#11	#10 13'-	" 21	17	15	15	14	16	15	14	13	22	21	20	18	21	20	19	$\perp$
2	23'-01/5"	23'-21/5"																												
	23 072	23-272	#7	#7	16'-8"	#8	#8	16'-0"	#10	#9	14'-3"	#11	#11   12'-	" 22	17	16	15	14	17	15	15	14	23	21	20	19	22	20	19	
	23 072					-		16'-0"   INFOR				#11	#11   12'-	" 22	17	16		14 BLE 3B										20	19	
						DF PO	ST RE		CING	STEEL		#11	#11   12'-	" <u>22</u>	17	16	ТАВ		- PILI	E LENG					ED =	170 M			19	
1INAL		T.				DF PO	ST RE.	INFOR	CING	STEEL	120'		#11   12'-	NOMINAL WALL	17	<u>16</u> Н-Р(	<b>T AB</b> 10	BLE 3B	- <b>PILI</b> T SPACI	E LENG	GTHS	(Feet)		ID SPI	ED =	170 M	<b>IPH</b> T SPACI			
11NAL ALL IGHT		T.		3 <b>A - T</b>	ABLE C	DF PO	ST RE. WIND	INFOR	CING	STEEL O MPH BA	20' POST S	-0"	#11   12'- BARS E	NOMINAL			<b>T AB</b> 10 05T 5	BLE 3B	- <b>PILI</b> T SPACI	E LENC NG CORNER	<b>GTHS</b> POSTS	(Feet)		ID SPE H-P(	EED = 20 0STS	170 M	<b>IPH</b> T SPACI	NG CORNEF		
IINAL ALL IGHT	POST L WITHOUT	T. ENGTHS WITH	ABLE 3	3 <b>A - T</b>	ABLE C	DF PO -0" PACING BARS	ST RE	INFOR SPEED	CING .	STEEL O MPH BA	20' POST S NRS	-0" PACING BARS	BARS E	NOMINAL WALL HEIGHT (Feet)		H-PC	<b>T AB</b> 10 05T 5	BLE 3B	- <b>PILI</b> T SPACI	E LENC NG CORNER	<b>GTHS</b> POSTS	(Feet)	- WIN	ID SPE H-P(	EED = 20 0STS	170 M '-0" POS	1PH T SPACI	NG CORNEF	R POSTS	
INAL ALL GHT eet)	POST L WITHOUT	T. ENGTHS WITH	ABLE 3	3A - T BA	ABLE ( POST S RS DIM	-O" PACING BARS D	ST RE	INFOR SPEED ARS E DIM	CING $D = 17$ $BARS$ $A$	STEEL O MPH BA	20' POST S NRS B DIM	-0" PACING BARS D	BARS E SIZE DII	NOMINAL WALL HEIGHT (Feet)	50,	H-P( 'L 1 36"	T AB 10 05T 5 501 30"	BLE 3B '-0" POS 'L 2 36"	- <b>PILI</b> T SPACI S01 30"	E LENC NG CORNER L 1 36"	<b>GTHS</b> 2 POSTS 501 30"	(Feet) L 2 36"	- WIN 501. 30"	ID SPE H-P( L 1 36"	EED = 20 DSTS 501 30"	<b>170 M</b> "-0" POS TL 2 36"	1PH T SPACI 501 30"	ING CORNEF IL 1 36"	R POSTS 50 30"	
11NAL ALL IGHT eet) 12	POST L WITHOUT CAP	ENGTHS WITH CAP	ABLE 3 BARS A SIZE	BA - T BA SIZE	ABLE C POST S RS DIM 'A'	OF PO -0" PACING BARS D SIZE	ST RE	ARS E DIM 'A'	CING = 17 $BARS$ $A$ $SIZE$	STEEL O MPH BA E SIZE	20' POST S NRS B DIM 'A'	-0" SPACING BARS D SIZE	BARS E SIZE DII 'A'	NOMINAL WALL HEIGHT (Feet)	50, 30" ©	H-PC ′L 1 	TAB 10 05T5 501 30″ ⊘	BLE 3B '-0" POS 'L 2 36" ⊙	- <b>PILI</b> T SPACI 501 30" ⊘	E LENC NG CORNER L 1 36'' ©	GTHS 2 POSTS 501 30″ ⊘	(Feet) L 2 36″ ⊘	- WIN 501. 30" ©	ID SPE H-P( L 1 	EED = 20 05T5 501 30″ ⊘	170 M "-0" POS "L 2 36" ⊘	1PH T SPACI. 501 30" ⊘	NG CORNEF IL 1 Ø	R POSTS 50 30″ ⊘	
INAL ALL GHT eet) 2 3	POST L WITHOUT CAP 13'-0 <sup>1</sup> /2"	T. ENGTHS WITH CAP 13'-2½"	ABLE 3 BARS A SIZE #5	8 <b>A - T</b> BA SIZE #5	10' POST S RS DIM 'A' 9'-8"	-O" PACING BARS D SIZE #5	ST REA WIND BA E SIZE #5	INFOR SPEED ARS E DIM 'A' 8'-8"	CING . 0 = 17 BARS A SIZE #6	STEEL O MPH BA E SIZE #6	20' POST S ARS B DIM 'A' 8'-4''	-0" PACING BARS D SIZE #7	BARS E SIZE DII 'A' #7 7'-8	NOMINAL WALL HEIGHT (Feet)	50/ 30'' 0 14	H-PC ″L 1 ○ 13	<i>T AB</i> 10 <sup>-</sup> 0ST S 501 30″ ⊘ 12	BLE 3B '-0" P05 'L 2 36" ⊙ 11	- <b>PILI</b> T SPACI S0I 	E LENC NG CORNER L 1 	GTHS 2 POSTS 501 30" © 12	(Feet) L 2 36″ ⊘ 11	- WIN 501. 30" © 18	ID SPE H-P( L 1 36" 0 17	EED = 20 DSTS 501 30″ ⊘ 16	170 M '-0" POS IL 2 36" ⊘ 15	1PH T SPACI 501 30" ⊘ 18	'NG CORNEF IL 1 ○ 16	R POSTS 50 30″ ⊘ 16	
INAL ALL GHT eet) 2 3 4	POST L WITHOUT CAP 13'-0 <sup>1</sup> /2" 14'-0 <sup>1</sup> /2"	Т. ENGTHS WITH CAP 13'-2½'' 14'-2½''	ABLE 3 BARS A SIZE #5 #5	BA - T BA SIZE #5 #5	ABLE ( 10' POST S RS DIM 'A' 9'-8'' 10'-8''	-0" PACING BARS D SIZE #5 #6	ST RE WIND BA E SIZE #5 #6	INFOR SPEED ARS E DIM 'A' 8'-8" 10'-4"	CING D = 17 BARS A SIZE #6 #7	STEEL 0 MPH BA E 51ZE #6 #7	20' POST S ARS B DIM 'A' 8'-4'' 8'-4''	-0" PACING BARS D SIZE #7 #8	BARS E SIZE DII 'A' #7 7'-8 #7 8'-8	NOMINAL WALL HEIGHT (Feet)	50, 30″ ○ 14 14	H-PC ″L 1 36″ ⊘ 13 13	T AB 10 05T 5 501 30″ ⊘ 12 13	2LE 3B '-0" POS L 2 36" ⊙ 11 12	- <b>PILI</b> T SPACI SOI 30" ⊘ 13 14	E LENC NG CORNER L 1 	GTHS 2 POSTS 501 30″ ⊘ 12 12	(Feet) L 2 36" ⊘ 11 11	- WIN 501. 30" ⊘ 18 19	ID SPE H-P0 L 1 36″ ⊘ 17 18	EED = 20 0575 501 30″ ⊘ 16 17	170 № '-0" POS 1L 2 36" ⊘ 15 16	1PH T SPACI S01 30" ⊘ 18 19	NG CORNEF IL 1 36″ ⊘ 16 17	R POSTS S0 30″ ⊙ 16 16	
INAL ALL GHT eet) 2 3 4 5	POST L WITHOUT CAP 13'-0 <sup>1</sup> /2" 14'-0 <sup>1</sup> /2" 15'-0 <sup>1</sup> /2"	T. ENGTHS WITH CAP 13'-2½" 14'-2½" 15'-2½"	ABLE 3 BARS A SIZE #5 #5 #5	BA - T BA SIZE #5 #5 #5	ABLE C 10' POST S RS DIM 'A' 9'-8'' 10'-8'' 10'-8''	DF PO -0" PACING BARS D SIZE #5 #6 #6	ST RE WIND BA E SIZE #5 #6 #6 #6	ARS E DIM 'A' 8'-8" 10'-4"	CING D = 17 BARS A SIZE #6 #7 #7	STEEL O MPH BA E SIZE #6 #7 #7	20' POST S ARS B DIM 'A' 8'-4'' 8'-8'' 8'-8'' 8'-8''	-0" PACING BARS D SIZE #7 #8 #8	BARS E SIZE DII 'A' #7 7'-8 #7 8'-8 #8 8'-0	NOMINAL WALL HEIGHT (Feet) 12 13 14 15	50, 30″ ⊘ 14 14 15	<i>H-PC</i> <i>L</i> 1 <i>36</i> ″ <i>○</i> <i>13</i> <i>13</i> <i>13</i> <i>14</i>	TAB         10         0STS         501         30"         0         12         13         13	BLE 3B 0" POS L 2 36" 0 11 12 12	- <b>PILI</b> T SPACI SOI 30" ⊘ 13 14 14 14	E LENC NG CORNER L 1 36" © 12 13 13	GTHS 2 POSTS 501 30" 0 12 12 12 13	(Feet) L 2 36″ ⊙ 11 11 12	- WIN 501. 30" © 18 19 20	ID SPE H-P( L 1 36″ ⊙ 17 18 18 18	EED = 20 DSTS 501 30″ ⊘ 16 17 18	170 № '-0" POS IL 2 36" ⊘ 15 16 16 16	1PH T SPACI 501 30" ⊘ 18 19 19	'NG CORNEF IL 1 ○ 16 17 18	R POSTS 50 30″ ⊘ 16 16 16 17	
INAL ALL GHT eet) 2 3 4 5 6	POST L WITHOUT CAP 13'-0 <sup>1</sup> /2'' 14'-0 <sup>1</sup> /2'' 15'-0 <sup>1</sup> /2'' 16'-0 <sup>1</sup> /2''	<i>T</i> . ENGTHS WITH CAP 13'-2 <sup>1</sup> /2" 14'-2 <sup>1</sup> /2" 15'-2 <sup>1</sup> /2" 15'-2 <sup>1</sup> /2" 16'-2 <sup>1</sup> /2" 16'-2 <sup>1</sup> /2" 18'-2 <sup>1</sup> /2"	ABLE 3 BARS A SIZE #5 #5 #5 #6	BA - T BA SIZE #5 #5 #6	ABLE C 10'- POST S RS DIM 'A' 9'-8" 10'-8" 10'-8" 12'-4"	DF PO -0" PACING BARS D SIZE #5 #6 #6 #6 #6	ST RE WIND BA E SIZE #5 #6 #6 #6 #6	TINFOR SPEED ARS E DIM 'A' 8'-8" 10'-4" 10'-4" 10'-4"	CING D = 17 BARS A SIZE #6 #7 #7 #8	STEEL O MPH BA E SIZE #6 #7 #7 #7	20' POST S ARS B DIM 'A' 8'-4'' 8'-8'' 8'-8'' 10'-8''	-0" FPACING BARS D SIZE #7 #8 #8 #9	BARS E SIZE DII 'A' #7 7'-8 #7 8'-8 #8 8'-0 #8 10'-	NOMINAL WALL HEIGHT (Feet) 12 13 14 14 15 16	50, 30″ ⊘ 14 14 15 15	<i>H−PC</i> <i>L</i> 1 <i>S</i> <i>13</i> <i>13</i> <i>14</i> <i>14</i> <i>14</i>	TAB         10         0ST5         501         30"         0         12         13         14	BLE 3B 0" POS -0" POS -11 12 12 13	- <b>PILI</b> T SPACI SOI 30" © 13 14 14 14 15	E LENC NG CORNER L 1 36" © 12 13 13 13 14	GTHS POSTS SOI 30" © 12 12 13 13	(Feet) L 2 36" ⊘ 11 11 12 12	- WIN 501. 30" ⊘ 18 19 20 21	ID SPE H-P( L 1 36" © 17 18 18 18 19	EED = 20 DSTS 501 ∞ 16 17 18 18 18	170 M "-0" P05 " " " " " " " " " " " " " " " " " " "	1PH T SPACI 501 30" ○ 18 19 19 20	NG CORNEF IL 1 ○ 16 17 18 18 18	R POSTS S0 30" ○ 16 16 17 18	
21NAL ALL GHT Set) 22 3 3 4 4 5 5 6 7 7	POST L WITHOUT CAP 13'-0 <sup>1</sup> /2'' 14'-0 <sup>1</sup> /2'' 15'-0 <sup>1</sup> /2'' 16'-0 <sup>1</sup> /2'' 17'-0 <sup>1</sup> /2''	<i>T.</i> ENGTHS WITH CAP 13'-2½'' 14'-2½'' 15'-2½'' 16'-2½'' 17'-2½''	ABLE 3 BARS A SIZE #5 #5 #5 #5 #6 #6 #6	BA - T BA SIZE #5 #5 #6 #6	ABLE C 10' POST S RS DIM 'A' 9'-8'' 10'-8'' 10'-8'' 12'-4'' 12'-4''	-0" PACING BARS D SIZE #5 #6 #6 #6 #6 #7	ST RE. WIND BA E SIZE #5 #6 #6 #6 #6 #7	INFOR SPEED ARS E DIM 'A' 8'-8" 10'-4" 10'-4" 10'-4" 10'-4" 11'-8"	CING D = 17 BARS A SIZE #6 #7 #7 #8 #8	STEEL O MPH BA E SIZE #6 #7 #7 #7 #7 #8	20' POST S ARS B DIM 'A' 8'-4'' 8'-8'' 8'-8'' 10'-8'' 10'-0''	-0" PACING BARS D SIZE #7 #8 #8 #8 #9 #9	BARS E SIZE DII 'A' #7 7'-8 #7 8'-8 #8 8'-0 #8 10'- #10 8'-4	NOMINAL WALL HEIGHT (Feet) 12 13 14 14 15 16 17	50) 30″ ○ 14 14 15 15 16	H-PC <sup>7</sup> L 1 ○ 13 13 14 14 14 15	TAB         10         0STS         S01         30"         0         12         13         14         14	2LE 3B '-0" POS 'L 2 36" ⊙ 11 12 12 13 13	- PILI T SPACI SOI 0 13 14 14 14 15 15	E LENC NG CORNER L 1 36" © 12 13 13 13 14 14	GTHS ≥ POSTS SOI 30" © 12 12 13 13 14	(Feet) L 2 36" ⊘ 11 11 12 12 13	- WIN SOI 30" © 18 19 20 21 21 21	ID SPE H-P( L 1 36" ⊙ 17 18 18 19 20	ED = 20 05T5 501 30" ⊘ 16 17 18 18 18 19	170 № '-0" POS 1L 2 36" ⊘ 15 16 16 16 17 17	1PH T SPACI SOI 30" ○ 18 19 19 20 21	<sup>™</sup> NG CORNEF IL 1 36″ © 16 17 18 18 18 19	R POSTS 50 30" ⊘ 16 16 17 18 18	
11NAL ALL IGHT eet) 12 13 14 15 16 17 18	POST L WITHOUT CAP 13'-0 <sup>1</sup> /2" 14'-0 <sup>1</sup> /2" 15'-0 <sup>1</sup> /2" 16'-0 <sup>1</sup> /2" 16'-0 <sup>1</sup> /2" 18'-0 <sup>1</sup> /2"	<i>T</i> . ENGTHS WITH CAP 13'-2 <sup>1</sup> /2" 14'-2 <sup>1</sup> /2" 15'-2 <sup>1</sup> /2" 15'-2 <sup>1</sup> /2" 16'-2 <sup>1</sup> /2" 16'-2 <sup>1</sup> /2" 18'-2 <sup>1</sup> /2"	ABLE 3 BARS A SIZE #5 #5 #5 #6 #6 #6 #6	BA - T BA SIZE #5 #5 #6 #6 #6 #6	ABLE ( 10' POST S RS DIM 'A' 9'-8'' 10'-8'' 10'-8'' 12'-4'' 12'-4'' 12'-4''	-0" PACING BARS D SIZE #5 #6 #6 #6 #6 #6 #7 #7	ST RE. WIND BA E SIZE #5 #6 #6 #6 #6 #6 #7 #7	INFOR SPEED ARS E DIM 'A' 8'-8" 10'-4" 10'-4" 10'-4" 10'-4" 10'-4" 11'-8"	CING D = 17 BARS A SIZE #6 #7 #7 #8 #8 #8 #9	STEEL O MPH BA E SIZE #6 #7 #7 #7 #7 #7 #8 #8	20' POST S RRS B DIM 'A' 8'-4'' 8'-8'' 8'-8'' 10'-8'' 10'-0'' 12'-0''	-0" PACING BARS D SIZE #7 #8 #8 #8 #8 #9 #9 #9 #10	BARS E SIZE DII 'A' #7 7'-{ #7 8'-{ #8 8'-( #8 10'- #10 8'-4 #9 10'-	NOMINAL WALL HEIGHT (Feet) 12 13 14 14 15 16 17 18	50, 30‴ ○ 14 14 15 15 16 16 16	H-PC <sup>7</sup> L 1 36″ 0 13 13 14 14 14 15 15	TAB         10         05TS         \$\$01         30"         12         13         14         14         15	<i>LE 3B</i> <i>'-0" POS</i> <i>L 2</i> <i>36"</i> ○ <i>11</i> <i>12</i> <i>12</i> <i>13</i> <i>13</i> <i>14</i>	- PILI T SPACI SOI 30" ⊘ 13 14 14 14 15 15 15 16	E LENC NG CORNER L 1 36" © 12 13 13 13 14 14 14 14	GTHS 2 POSTS SOI 30" ○ 12 12 13 13 14 14 14	(Feet) L 2 36" ⊘ 11 11 12 12 13 13	- WIN 501. 30" ⊘ 18 19 20 21 21 21 22	ID SPE H-P0 L 1 36" ⊘ 17 18 18 19 20 20 20	ED = 20 0575 501 30″ ⊘ 16 17 18 18 18 19 19	170 № '-0" POS IL 2 36" ⊘ 15 16 16 16 17 17 18	1PH T SPACI SOI 30" ○ 18 19 19 20 21 21	NG CORNEF IL 1 36″ ⊘ 16 17 18 18 18 19 20	R POSTS S0 30″ ⊙ 16 16 16 17 18 18 18 19	
MINAL /ALL TGHT Teet) 12 13 14 15 16 17 18 19	POST L WITHOUT CAP 13'-0 <sup>1</sup> /2" 14'-0 <sup>1</sup> /2" 15'-0 <sup>1</sup> /2" 16'-0 <sup>1</sup> /2" 16'-0 <sup>1</sup> /2" 18'-0 <sup>1</sup> /2" 18'-0 <sup>1</sup> /2" 19'-0 <sup>1</sup> /2" 20'-0 <sup>1</sup> /2" 21'-0 <sup>1</sup> /2"	<i>T.</i> ENGTHS WITH CAP 13'-2½'' 14'-2½'' 15'-2½'' 15'-2½'' 16'-2½'' 17'-2½'' 18'-2½'' 18'-2½'' 20'-2½'' 20'-2½'' 21'-2½''	ABLE 3 BARS A SIZE #5 #5 #6 #6 #6 #6 #7	BA - T BA SIZE #5 #5 #6 #6 #6 #7	ABLE C 10' POST S RS DIM 'A' 9'-8'' 10'-8'' 10'-8'' 10'-8'' 12'-4'' 12'-4'' 12'-4'' 12'-4'' 13'-8''	DF PO -0" PACING BARS D SIZE #5 #6 #6 #6 #6 #7 #7 #7	ST RE. WIND BA E SIZE #5 #6 #6 #6 #6 #6 #7 #7 #8	ARS E DIM 'A' 8'-8" 10'-4" 10'-4" 10'-4" 10'-4" 11'-8" 11'-8" 11'-0"	CING D = 17 D = 17 BARS A SIZE #6 #7 #7 #8 #8 #8 #9 #9 #9 #10 #10 #10	STEEL O MPH BA E SIZE #6 #7 #7 #7 #7 #7 #8 #8 #8 #10	20' POST S ARS B DIM 'A' 8'-4" 8'-8" 8'-8" 10'-8" 10'-8" 10'-0" 12'-0" 10'-4"	-0" PACING BARS D SIZE #7 #8 #8 #8 #9 #9 #9 #10 #10	BARS E SIZE DII 'A' #7 7'-8 #7 8'-8 #8 8'-0 #8 10'- #10 8'-2 #9 10'- #11 8'-2 #11 8'-2 #11 10'-	NOMINAL WALL HEIGHT (Feet) 12 13 14 14 15 16 17 18 19 19 20	50, 30″ ⊘ 14 14 15 15 16 16 16 17	<i>H</i> - <i>P</i> C <i>L</i> 1 <i>36</i> ″ ⊘ 13 13 14 14 14 15 15 15 16	TAB         10         0STS         501         30"         0         12         13         14         15         15	BLE 3B 0" POS L 2 36" © 11 12 13 13 14 14 14	- PILI T SPACI SOI 30" ⊘ 13 14 14 15 15 15 16 16	E LENC NG CORNER L 1 36″ ⊘ 12 13 13 13 14 14 14 15 15 16 16	GTHS POSTS SOI 30" 0 12 12 13 13 14 14 15 15 15	(Feet) L 2 36″ ⊘ 11 11 12 12 13 13 14	- WIN 501. 30" ⊘ 18 19 20 21 21 22 23 23 24	<i>ID SPE</i> <i>H−P</i> ( <i>L</i> 1 <i>36</i> ″ ⊘ 17 18 18 19 20 20 20 21	EED = 20 DSTS 501 30″ ⊘ 16 17 18 18 18 19 19 20	170 № '-0" POS IL 2 36" ⊘ 15 16 16 16 17 17 17 18 19	1PH T SPACI 501 30" ○ 18 19 19 20 21 21 22	NG CORNEF IL 1 36″ ⊘ 16 17 18 18 18 19 20 20 20	R POSTS 50 30″ 0 16 16 16 17 18 18 18 19 19	
MINAL /ALL EIGHT Eeet) 12 13 14 15 16 17 18 19 20 21 22	POST L WITHOUT CAP 13'-0 <sup>1</sup> /2'' 14'-0 <sup>1</sup> /2'' 15'-0 <sup>1</sup> /2'' 16'-0 <sup>1</sup> /2'' 17'-0 <sup>1</sup> /2'' 18'-0 <sup>1</sup> /2'' 18'-0 <sup>1</sup> /2'' 20'-0 <sup>1</sup> /2''	<i>T</i> , ENGTHS WITH CAP 13'-2 <sup>1</sup> / <sub>2</sub> " 14'-2 <sup>1</sup> / <sub>2</sub> " 14'-2 <sup>1</sup> / <sub>2</sub> " 15'-2 <sup>1</sup> / <sub>2</sub> " 16'-2 <sup>1</sup> / <sub>2</sub> " 16'-2 <sup>1</sup> / <sub>2</sub> " 16'-2 <sup>1</sup> / <sub>2</sub> " 18'-2 <sup>1</sup> / <sub>2</sub> " 19'-2 <sup>1</sup> / <sub>2</sub> "	ABLE 3 BARS A SIZE #5 #5 #6 #6 #6 #6 #7 #7	BA - T BA SIZE #5 #5 #6 #6 #6 #7 #7	ABLE C 10'- POST S RS DIM 'A' 9'-8" 10'-8" 10'-8" 10'-8" 10'-8" 10'-8" 12'-4" 12'-4" 12'-4" 12'-4" 12'-4" 13'-8"	DF PO -0" PACING BARS D SIZE #5 #6 #6 #6 #7 #7 #7 #7 #8	ST RE WIND BA E SIZE #5 #6 #6 #6 #6 #6 #7 #7 #7 #7 #8 #7	ARS E DIM 'A' 8'-8" 10'-4" 10'-4" 10'-4" 10'-4" 11'-8" 11'-8" 11'-8" 11'-8"	CING D = 17 BARS A SIZE #6 #7 #7 #8 #8 #9 #9 #9 #10	STEEL O MPH BA E SIZE #6 #7 #7 #7 #7 #7 #7 #8 #8 #8 #10 #10	20' POST S RS B DIM 'A' 8'-4'' 8'-8'' 10'-8'' 10'-8'' 10'-0'' 12'-0'' 12'-0'' 10'-4'' 11'-4''	-0" PACING BARS D SIZE #7 #8 #8 #9 #9 #9 #10 #10 #11	BARS E SIZE DII 'A' #7 7'-8 #7 8'-8 #8 8'-0 #8 10'- #10 8'-4 #9 10'- #11 8'-4 #11 10'-	NOMINAL WALL HEIGHT (Feet) 12 13 14 14 15 16 17 16 17 18 19 19 20 12 19 19 20 12 19 19 20 11 19 12 11 11 11 11 11 11 11 11 11 11 11 11	50, 30″ ⊘ 14 14 15 15 16 16 16 17 17	<i>H</i> - <i>P</i> C <i>L</i> 1 <i>S</i> <i>13</i> <i>13</i> <i>14</i> <i>14</i> <i>15</i> <i>15</i> <i>16</i> <i>16</i>	TAB         10         0STS         501         30"         0         12         13         14         15         15	<i>BLE 3B</i> <i>'-0" POS</i> <i>'L 2</i> <i>36"</i> ○ <i>11</i> <i>12</i> <i>13</i> <i>13</i> <i>14</i> <i>14</i> <i>14</i> <i>14</i> <i>14</i>	- PILL T SPACI SOI 30" © 13 14 14 14 15 15 16 16 16 17	E LENC NG CORNER L 1 36" © 12 13 13 14 14 14 15 15 15 16	GTHS POSTS SOI 30" © 12 12 13 13 14 14 15 15	(Feet) L 2 36" © 11 11 12 12 13 13 14 14 14	- WIN 501. 30" ⊘ 18 19 20 21 21 22 23 23 23	ID SPE H-P( L 1 36" 0 17 18 18 19 20 20 20 21 22	EED = 20 05T5 501 ∞ 16 17 18 18 19 19 19 20 21	170 M "-0" P05 15 16 16 17 17 18 19 19	1PH T SPACI 501 30" ○ 18 19 19 20 21 21 22 23	NG CORNEF IL 1 36" ⊘ 16 17 18 18 19 20 20 21	R POSTS SO 30" ○ 16 16 17 18 18 19 19 19 20	

TABLE NOTE:

1. Bars D and Bars E are for 45° Corner Posts only.

2. See Contract Plans for project wind speed.

3. Soil 1 = Loose Granular Soil, N = 4 to 9;

Soil 2 = Medium Dense Granular Soil, N = 10 to 40.

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 $\geq$  DESCRIPTION: LAST REVISION

11/01/16



NOISE WALLS - (PREC

PILE DEPTH & REINFORCING SUMMARY

<u>ጎላሮም</u>	INDEX	SHEET
(ASI)	534-200	16 of 16