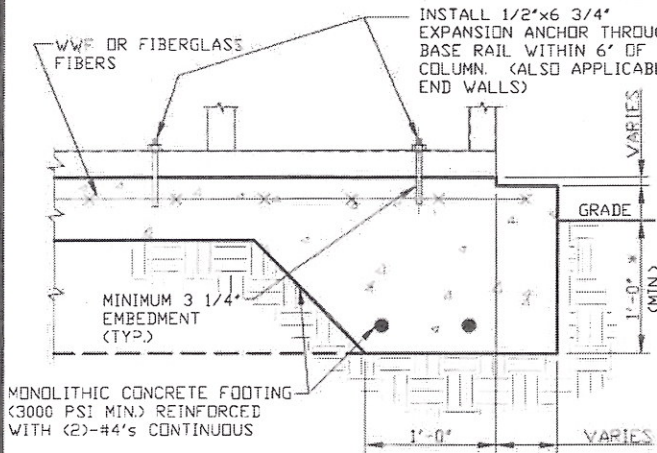
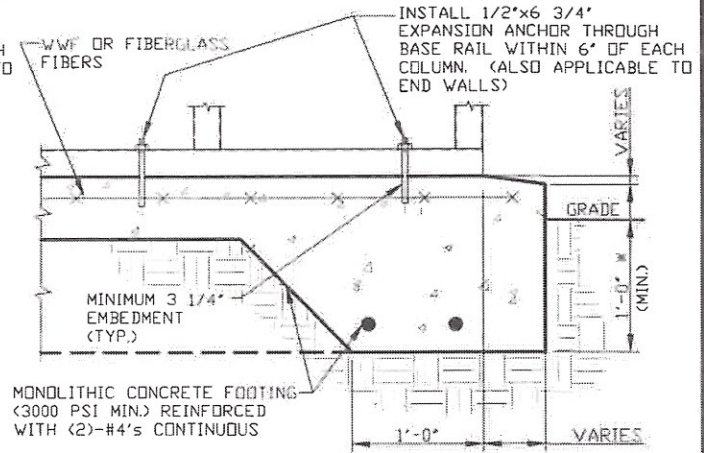


BASE RAIL ANCHORAGE OPTIONS



2A CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE
 SCALE: NTS
 MINIMUM ANCHOR EDGE DISTANCE IS 4".
 * COORDINATE WITH LOCAL CODES/ORD.



2B CONCRETE SLAB BASE RAIL ANCHORAGE
 SCALE: NTS
 MINIMUM ANCHOR EDGE DISTANCE IS 4".
 * COORDINATE WITH LOCAL CODES/ORD.

GENERAL NOTES

NOTE: CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,500 PSF

CONCRETE:

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.

COVER OVER REINFORCING STEEL:

FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318:
 3" IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER, AND 1 1/2" ELSEWHERE.

REINFORCING STEEL:

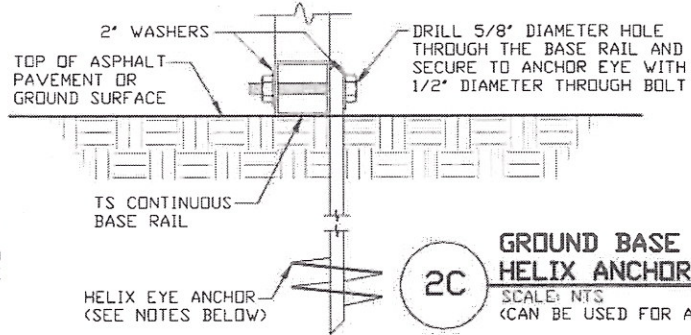
THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.

REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:

1. REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

HELIX ANCHOR NOTES:

1. FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL AND COBBLES, CALICHE, PRELOADED SILTS AND CLAYS, USE MINIMUM (2) 4" HELICES WITH MINIMUM 30' EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50' EMBEDMENT
2. FOR CORAL USE MINIMUM (2) 4" HELICES WITH MINIMUM 30' EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50' EMBEDMENT.
3. FOR MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY STIFF SILTS, AND CLAYS USE MINIMUM (2) 4" HELICES WITH MINIMUM 30 INCH EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50' EMBEDMENT.
4. FOR LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS ALLUVIAL FILL, USE MINIMUM (2) 6" HELICES WITH MINIMUM 50' EMBEDMENT.
5. FOR VERY LOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILTS, ALLUVIAL FILL, USE MINIMUM (2) 8" HELICES WITH MINIMUM 60' EMBEDMENT.

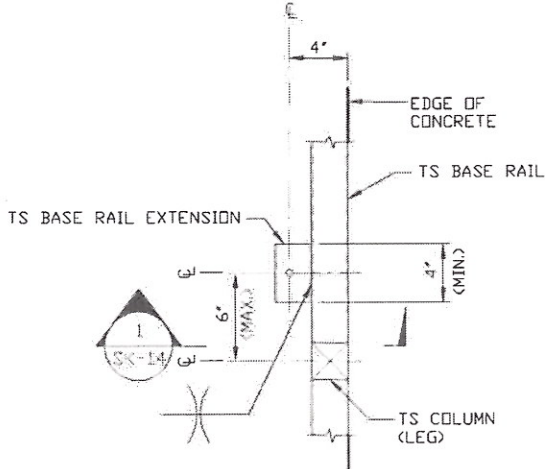


2C GROUND BASE HELIX ANCHORAGE
 SCALE: NTS
 (CAN BE USED FOR ASPHALT)

SAMPLE

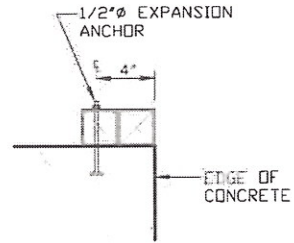
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PROJECT MGR: VSM	DATE: 12-14-18	SCALE: NTS	18068S/ JOB NO: 18156S/18290S	
CLIENT: SBSI	SHT. 7	DWG. NO: SK-3	REV: 7	

ADDITIONAL BASE RAIL ANCHORAGE OPTION

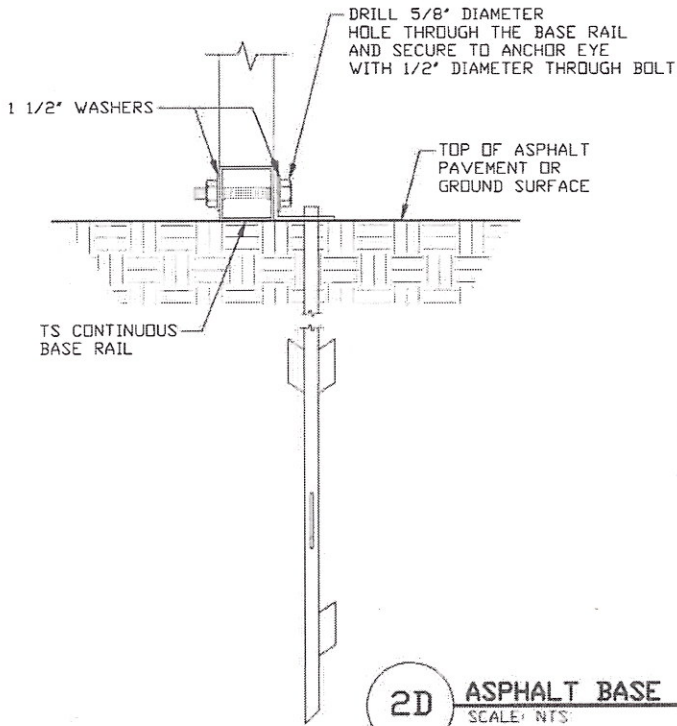


TYPICAL ANCHOR DETAIL WHEN BASE RAIL IS NEAR EDGE OF CONCRETE

SCALE: NTS



SECTION 1
SCALE: NTS



2D

ASPHALT BASE ANCHORAGE

SCALE: NTS

SAMPLE

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P.O. BOX 1287,
MOUNT AIRY, NC 27030
30'-0" x 20'-0" ENCLOSED STRUCTURE

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PROJECT MGR: WSM

CLIENT: SBSI

DATE: 12-14-18

SHT. 14

SCALE: NTS

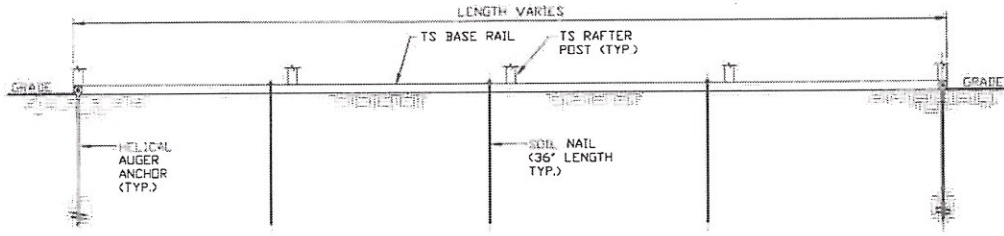
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JOB NO: 18068/
18156S/18E90S

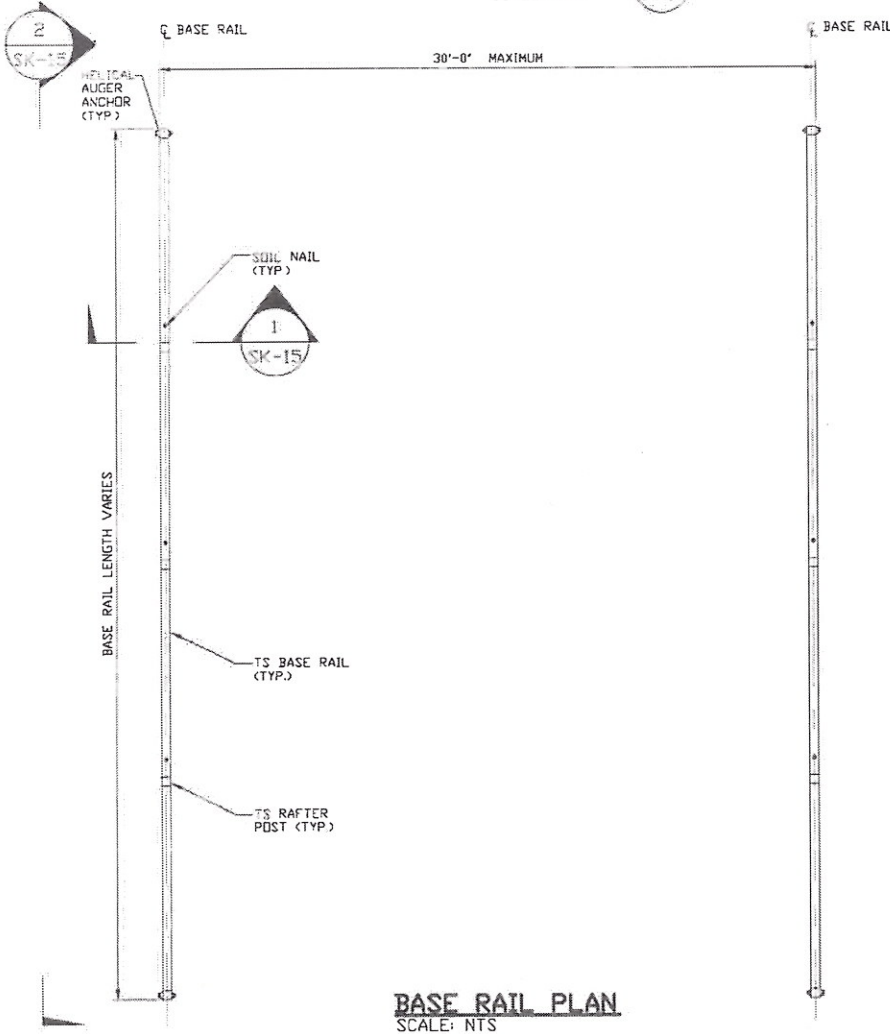
REV: 7

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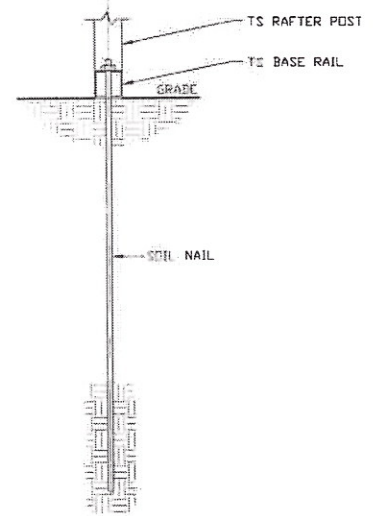
OPTIONAL BASE RAIL ON GRADE APPLICATION



SECTION 2
SCALE: NTS (SK-15)



BASE RAIL PLAN
SCALE: NTS



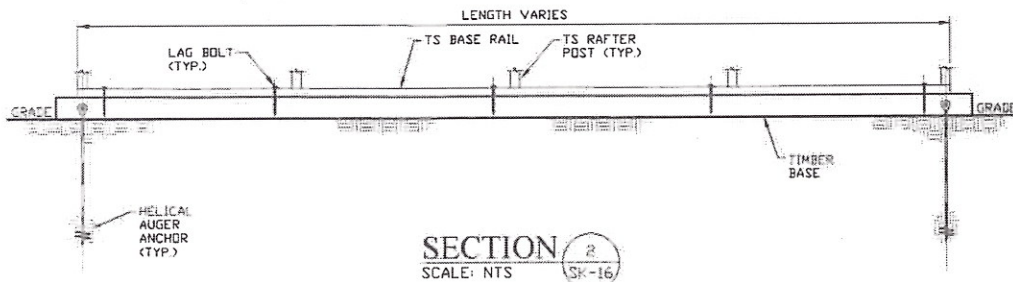
SECTION 1
SCALE: NTS (SK-15)

HELIX ANCHOR	
SIDE LENGTH	MAXIMUM SPACING
VARIES	10'-0" (EVERY OTHER POST)

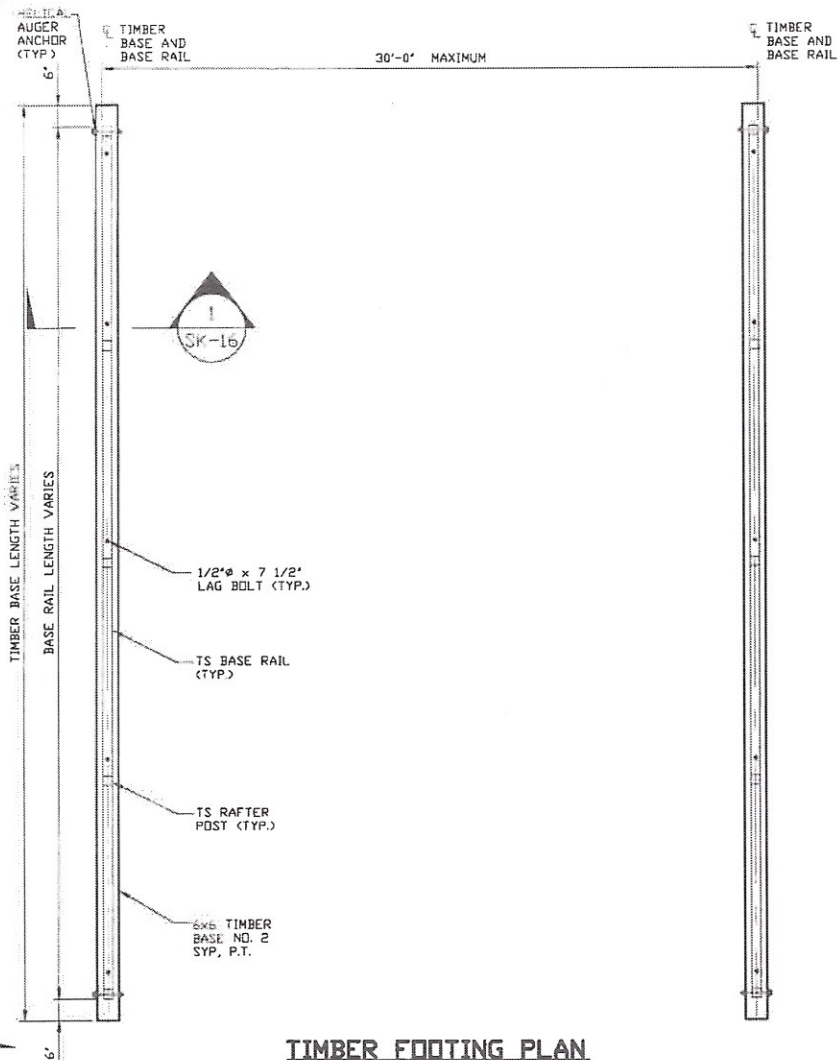
SAMPLE

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	CLIENT: SDBI	SHT. 15	DWG. NO: SK-3	REV: 7

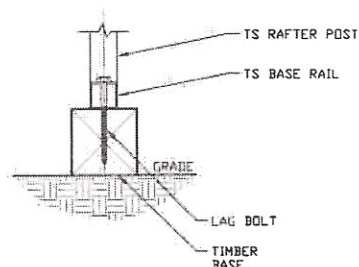
OPTIONAL BASE RAIL ON TIMBER BEAM



SECTION 2
SCALE: NTS



TIMBER FOOTING PLAN
SCALE: NTS



SECTION 1
SCALE: NTS

HELIX ANCHOR	
SIDE LENGTH	MAXIMUM SPACING
VARIES	10'-0" (EVERY OTHER POST)

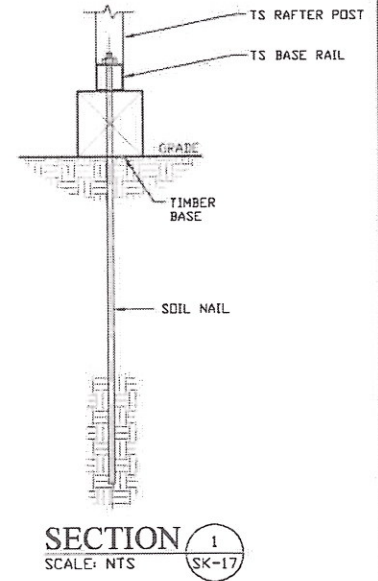
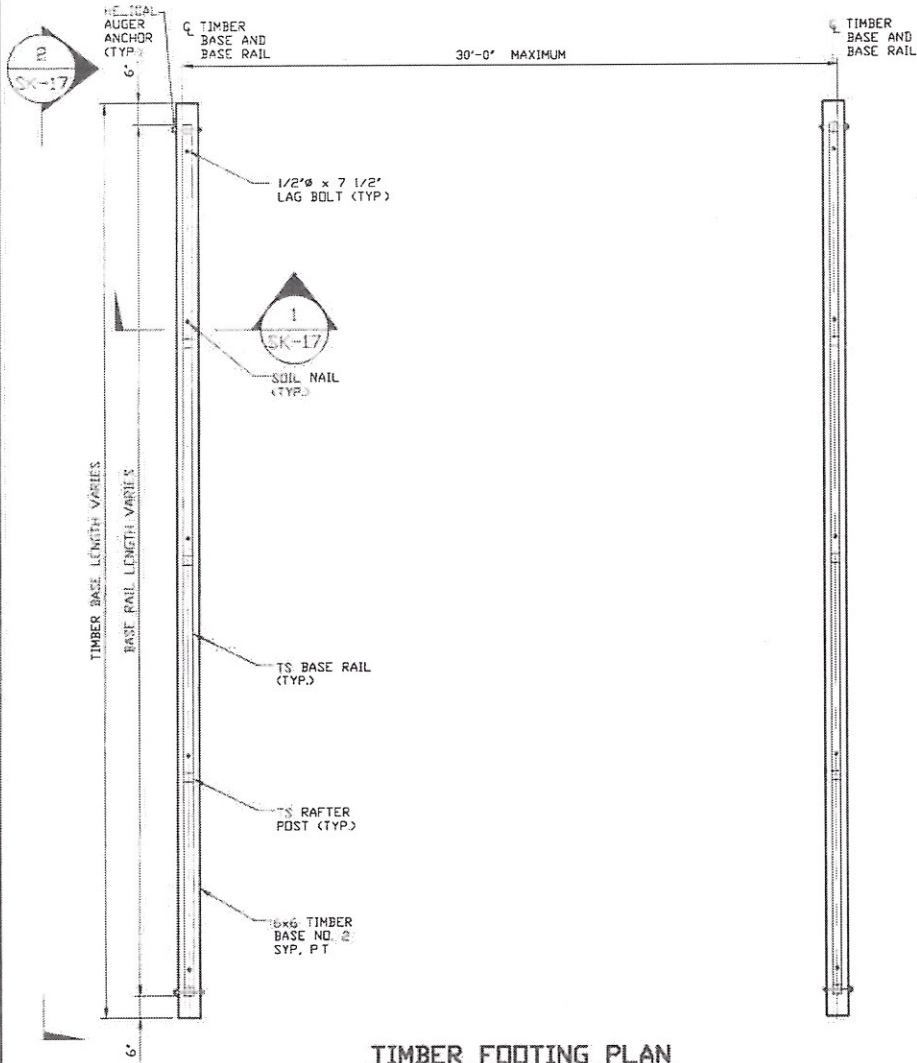
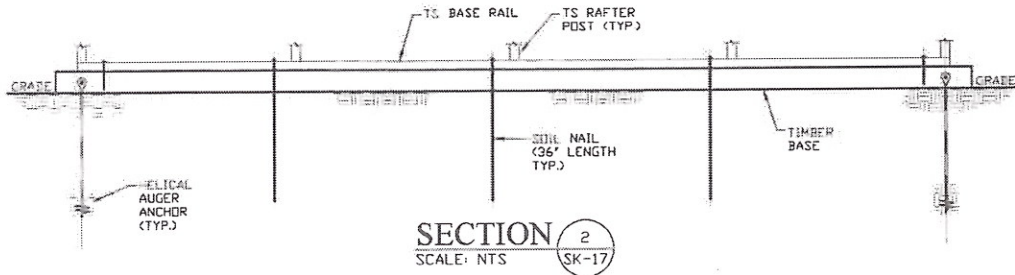
SAMPLE

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PROJECT MGR: WSM		DATE: 12-14-18		30'-0" x 20'-0" ENCLOSED STRUCTURE	
CLIENT: SRSI		SHT. 16		SCALE: NTS	
		DWG. NO: SK-3		REV: 7	

180663/
JOB NO. 181263/182903

OPTIONAL BASE RAIL ON TIMBER BEAM WITH SOIL NAIL



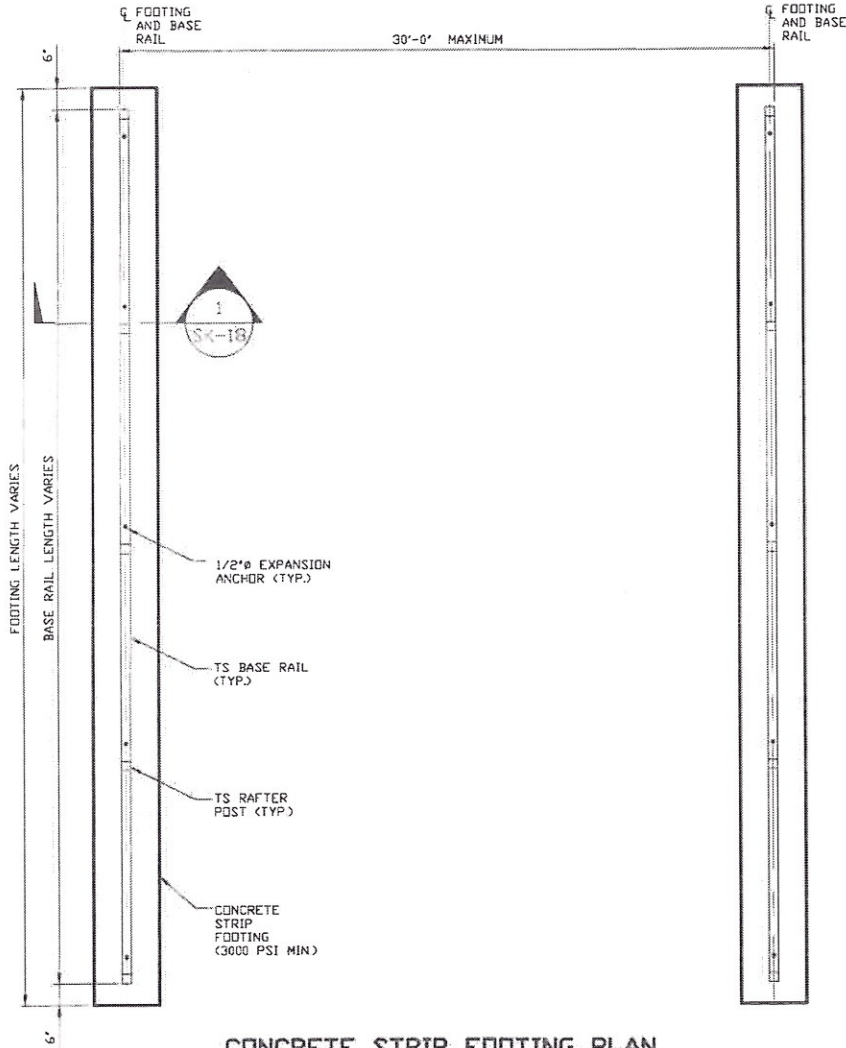
TIMBER FOOTING PLAN
SCALE: NTS

HELIX ANCHOR	
SIDE LENGTH	MAXIMUM SPACING
VARIES	10'-0" (EVERY OTHER POST)

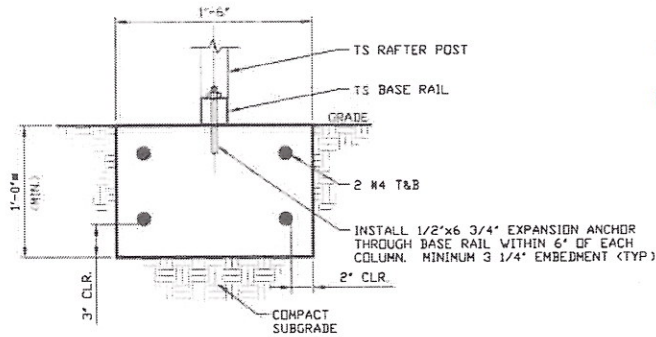
SAMPLE

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		PROJECT NGR: VSM	DATE: 12-14-18	SCALE: NTS	JOB NO: 180683/181263/1822903
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OPTIONAL CONCRETE STRIP FOOTING



CONCRETE STRIP FOOTING PLAN
SCALE: NTS



SECTION 1
SCALE: NTS
SK-18

* COORDINATE WITH LOCAL CODES/ORD.

SAMPLE

STEEL BUILDINGS AND STRUCTURES, INC.
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MOUNT AIRY, NC 27030
30'-0" x 20'-0" ENCLOSED STRUCTURE

DRAWN BY: AT

CHECKED BY: PDH

PROJECT NGR: VSM

CLIENT: SRST

DATE: 12-14-18

SHT. 18

SCALE: NTS

DWG. NO: SK-3

JOB NO: 180683/
181563/182903

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