

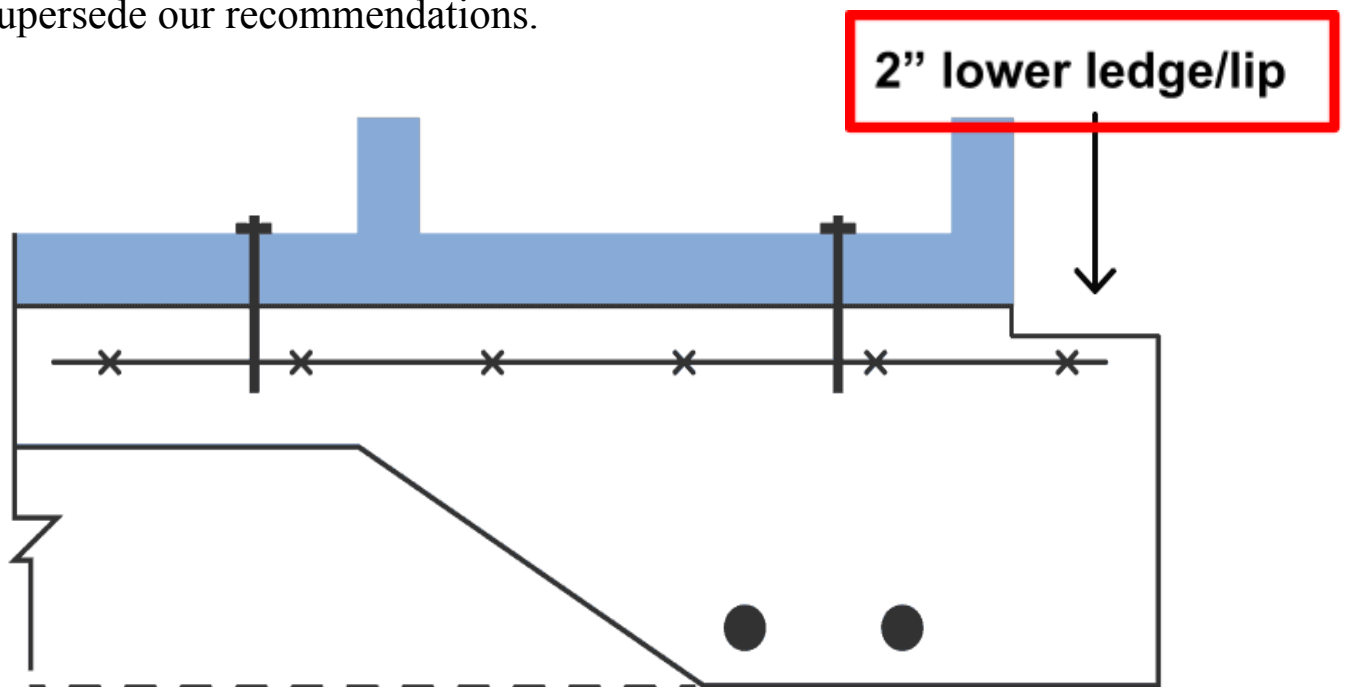
CEMENT INFORMATION SHEET

~ To prevent water from entering the unit under the base rail of the building, we recommend having a 6" ledge/lip around the perimeter of the slab that is 2" lower than the slab. This helps prevent the slab from cracking when being anchored.

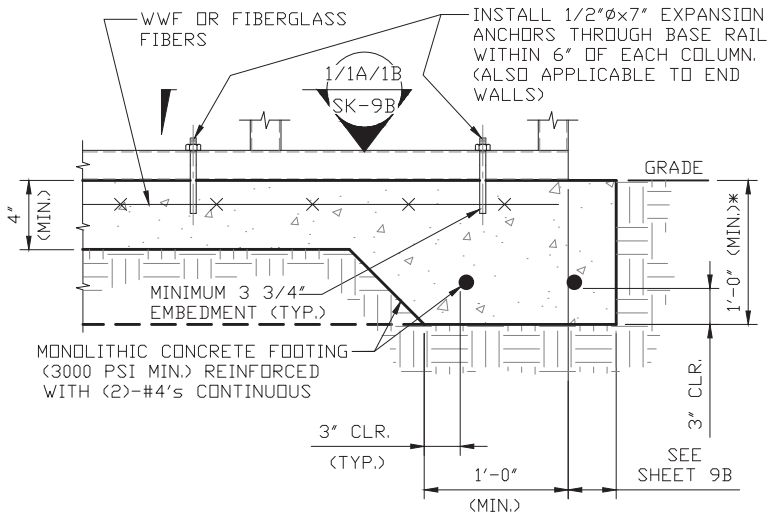
~ If cement is larger than the unit with no lower ledge/lip the customer will be required to sign a waiver on site releasing Bluestone Carports & Garages and our contractor from any liability or issues that may arise from water coming underneath the baserail.

~ Use the image below to provide your cement contractor.

~ Check with your local building department to determine the codes they require for pad size, pad thickness, footing requirements, or any other regulations you must adhere to. Local building codes will always supersede our recommendations.

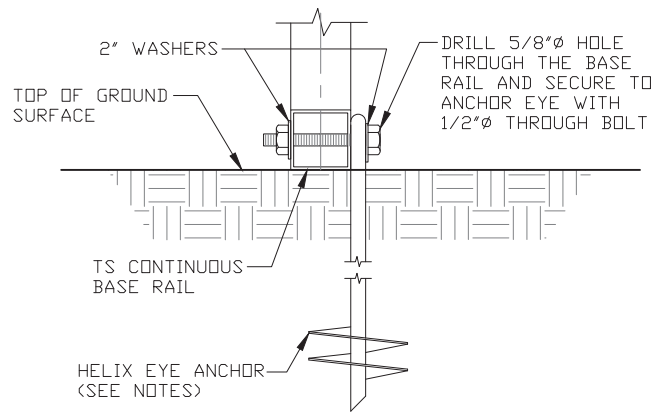


BASE RAIL ANCHORAGE OPTIONS WITHOUT ATTACHED LEAN-TO



2 CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE

SCALE: NTS
SEE SHEET 9B FOR MINIMUM ANCHOR EDGE DISTANCE.
* COORDINATE WITH LOCAL BUILDING CODE AND/OR ORD. REGARDING MINIMUM FROST DEPTH (LENGTH).



2A GROUND BASE HELIX ANCHORAGE

SCALE: NTS
* COORDINATE WITH LOCAL BUILDING CODE AND/OR ORD. REGARDING MINIMUM FROST DEPTH (LENGTH).

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.

Validity Notice

Plans Expiration Date:

21 March 2025

FOR INFORMATION PURPOSES ONLY
NOT FOR PERMITTING USE

MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.

DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: BLUESTONE

BLUESTONE CARPORTS AND GARAGES
380 HALL RD.
CAIRO, GA 39828
30'-0"x16'-0" ENCLOSED STRUCTURE

DATE: 3-21-24

SCALE: NTS

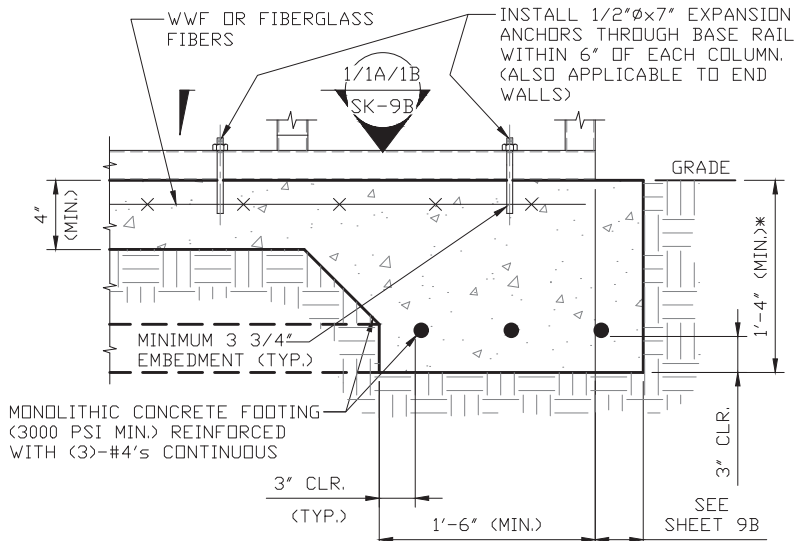
DWG. NO: SK-3

JOB NO:
21089S/24012S

REV: 0

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BASE RAIL ANCHORAGE OPTIONS WITH ATTACHED LEAN-TO



2B

CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE

SCALE: NTS
SEE SHEET FOR MINIMUM ANCHOR EDGE DISTANCE.
* COORDINATE WITH LOCAL BUILDING CODE AND/
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BLUESTONE CARPORTS AND GARAGES
380 HALL RD.
CAIRO, GA 39828
30'-0"x16'-0" ENCLOSED STRUCTURE

DATE: 3-21-24

SHT. 9A

SCALE: NTS

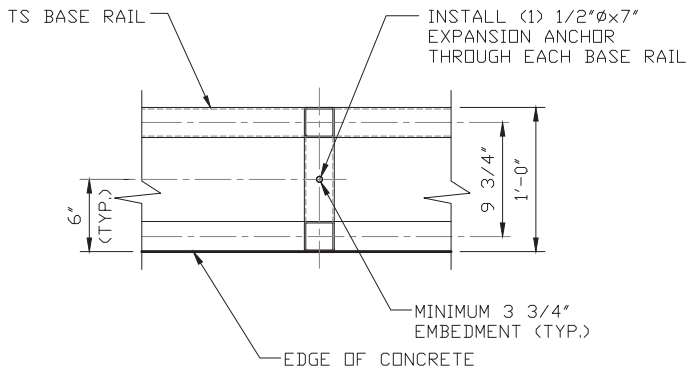
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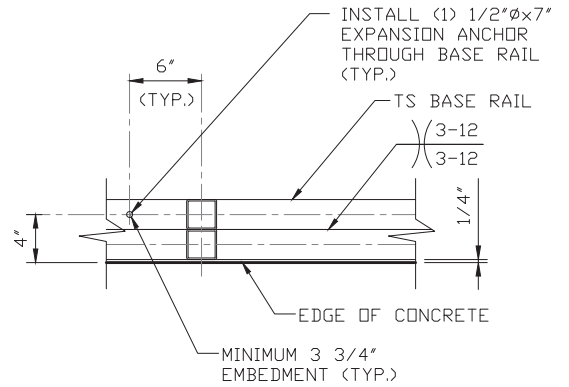
REV: 0

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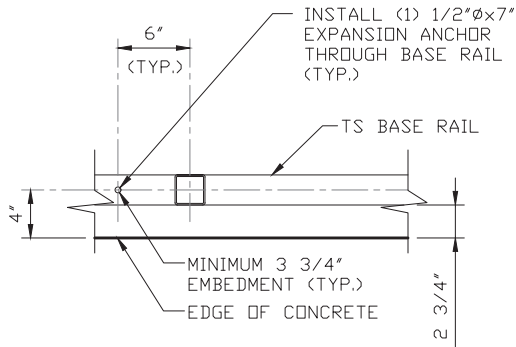
BASE RAIL ANCHORAGE OPTIONS



1 SECTION
SCALE: NTS



1A SECTION
SCALE: NTS



1B SECTION
SCALE: NTS

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