

April 16, 2020

Jeff Bouchard
78 Royal Pines Lane
Lillington, NC 27546

Ref. Recommendation on Manufactured Housing Set-up for
78 Royal Pines Lane – Lillington, NC

Dear Mr. Bouchard,

I offer the following recommendations on the manufactured home set-up for the above referenced project:

- 1) Pier heights shall range from 18 to 56 inches. All piers 36 inches and above shall all be 16"x16" double stacked concrete masonry units spaced 7'-0" on centers maximum.
- 2) All piers shall receive a coating of Surewall or and approved equal for shear resistance.
- 3) Footers for each support pier shall be the equivalent of a 24" x 24" square concrete footing with a minimum thickness of 8 inches.
- 4) Anchor strapping will be in accordance with the attached drawing page 2 of 3.
- 5) Underpinning for the home will be in accordance with the attached drawing 3 of 3.
- 6) All construction notes on the attached sheet 1 of 3 shall be followed for home set-up.
- 7) Once set-up is complete and prior to underpinning being put in place, the home owner shall schedule a final inspection with me in order to receive a final certification showing that the home has met all specified foundation requirements.

Should you have any other questions please do not hesitate to contact me.

Sincerely,



Donald D. Paschall, Jr., P.E.



4/16/20

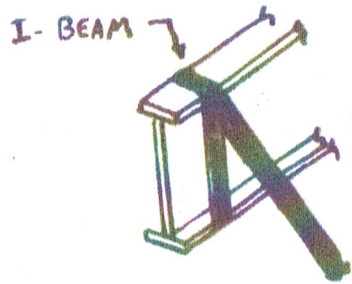
PO Box 291 – 318 South Spruce Street – Proctorville, NC 28375 – (910)734-2005

CONSTRUCTION NOTES:

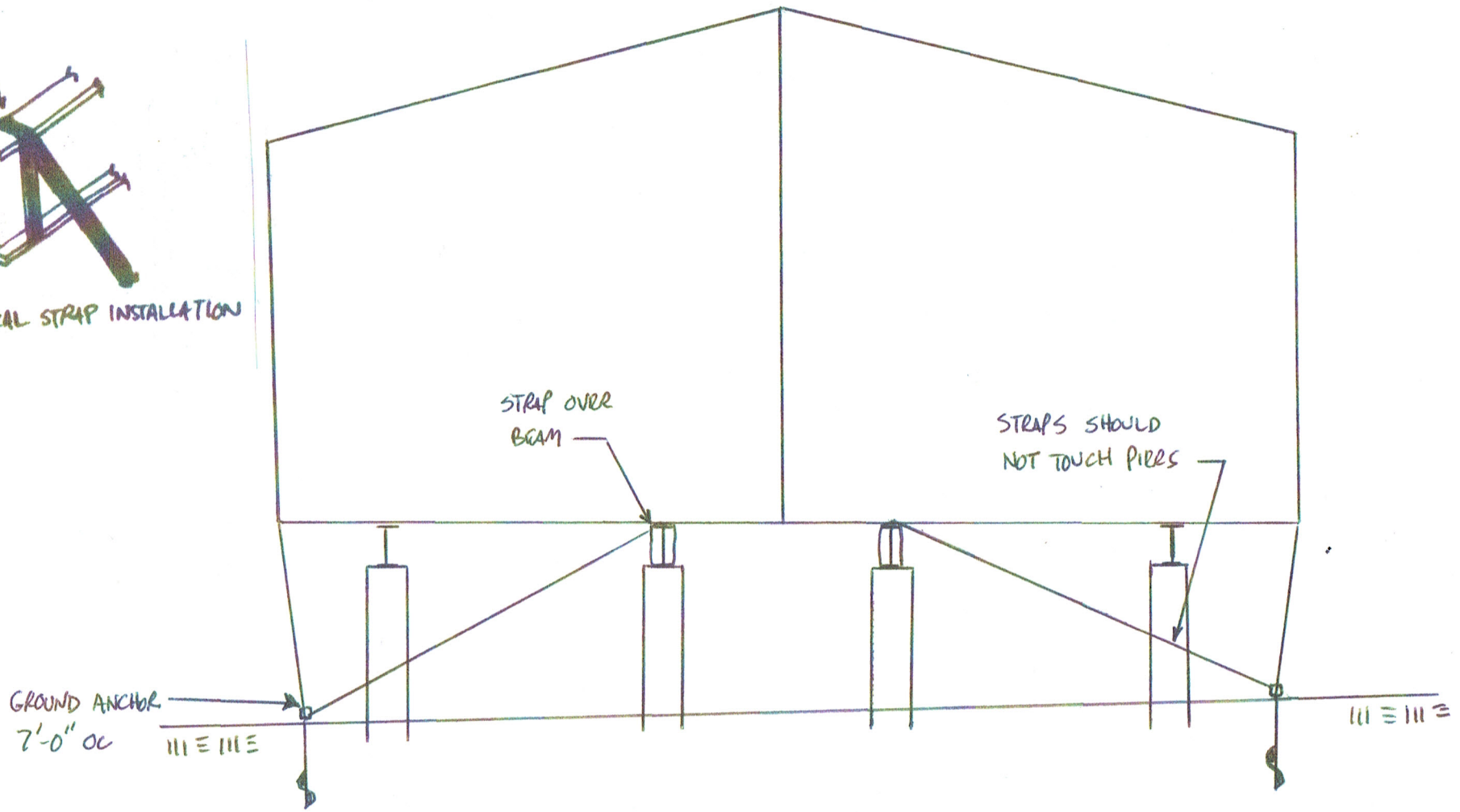
1. ALL GROUND ANCHORS SHALL DEVELOP A MINIMUM TOTAL WITHDRAWAL RESISTANCE OF 3,150 POUNDS IN THE SOIL TYPE IN WHICH THE ANCHOR WILL BE INSTALLED. THE INSTALLER SHALL VERIFY THAT THE ANCHOR SYSTEM WILL MEET OR EXCEED THIS RESISTANCE CAPACITY.
2. GALVANIZED STRAPPING SHALL BE 1 AND 1/4" WIDE MINIMUM BY 0.035" THICK MINIMUM HOT DIPPED GALVANIZED WITH A MINIMUM TENSILE STRENGTH OF 4,725 POUNDS PER ANCHOR.
3. SCREW ANCHOR CLAMPS, TENSIONING ADJUSTERS, AND OTHER ANCHOR HARDWARE SHALL NOT LIMIT THE OVERALL CAPACITY OF THE ANCHORING SYSTEM BELOW 4,725 POUNDS PER ANCHOR.
4. MAXIMUM DISTANCE OF TIE STRAPS FROM EACH END OF THE HOME SHALL NOT EXCEED 2'-0".
5. CRISS-CROSS STRAPS SHALL BE INSTALLED SO AS TO NOT TOUCH PIERS.
6. LONGITUDINAL TIE STRAPS SHALL BE INSTALLED PER CODE REQUIREMENTS .
7. FOUNDATION VENTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 3.10 OF THE NC BUILDING CODE FOR MANUFACTURED HOUSING AND SHALL BE DESIGNED TO REMAIN OPEN AT ALL TIMES WITH BOTTOM OF EACH VENT PLACED A MAXIMUM OF 12" ABOVE THE FINISHED GRADE.
8. ALL POURED IN PLACE CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 2,500 PSI
9. REMOVE ALL TOPSOIL, ORGANIC MATERIAL, SOFT CLAY, AND OTHER UNSUITABLE MATERIAL UNDER ALL PROPOSED FOOTERS.
10. FOOTINGS SHALL REST ON UNDISTURBED SOIL OR SELECT BACKFILL COMPACTED TO 98% MAXIMUM DRY DENSITY.



FOUNDATION PLAN	
CONSTRUCTION NOTES	
78 Royal Pines Lane.—Lillington, NC	Scale: NTS
Date: 4/16/20	Revisions:
Donald D. Paschall, Jr., P.E. 318 S. Spruce Street — PO Box 291 Proctorville, NC 28375 (910) 734-2005	1 OF 3

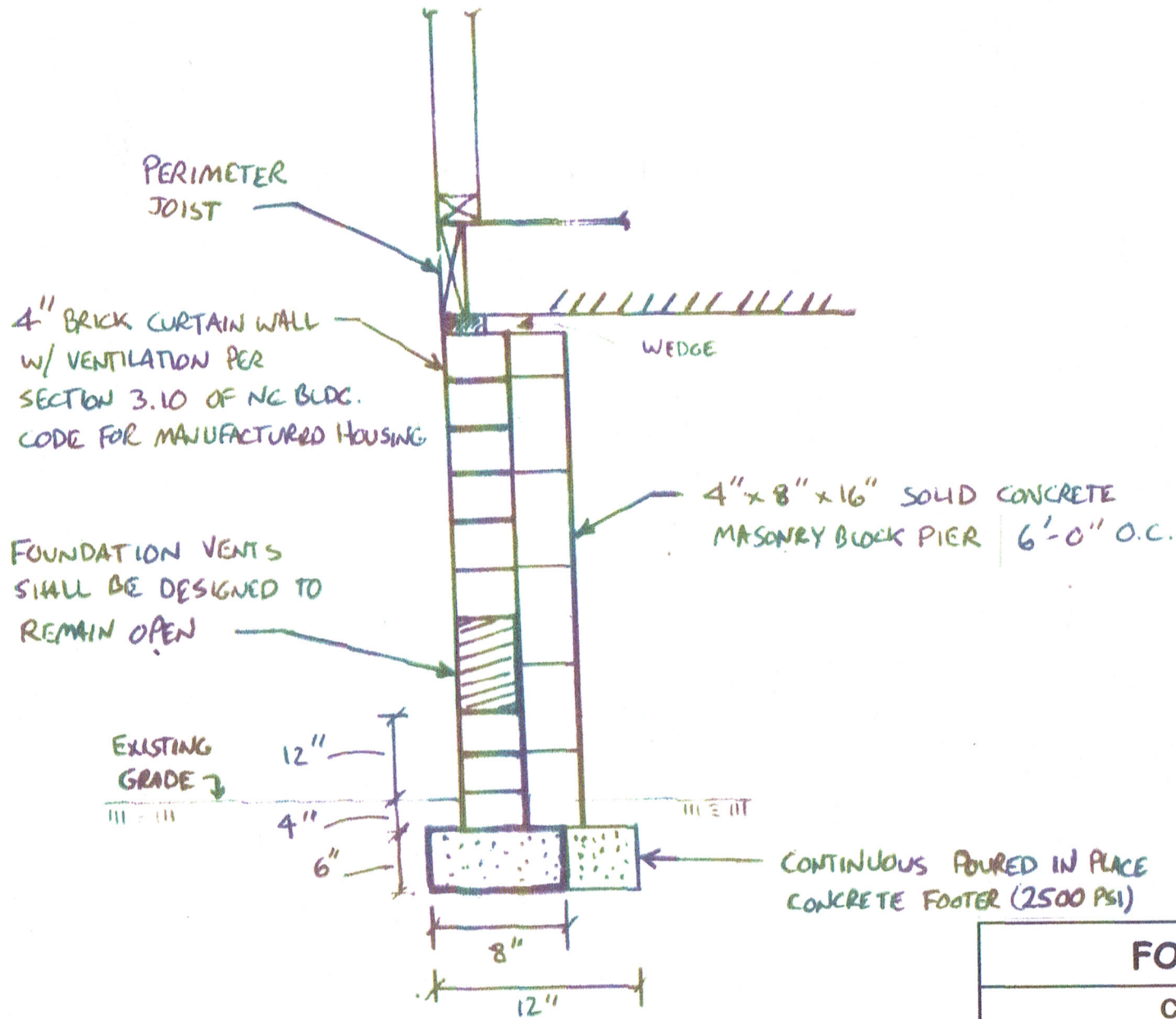


TYPICAL STRAP INSTALLATION



Donald D. Paschall, Jr.
 NORTH CAROLINA
 PROFESSIONAL
 SEAL
 022543
 ENGINEER
 DONALD D. PASCHALL, JR.
 4/16/20

FOUNDATION PLAN	
CROSS-SECTION STRAP PROFILE	
78 Royal Pines Lane.—Lillington, NC	Scale: NTS
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4/16/20

CURTAIN WALL DETAIL
NTS

FOUNDATION PLAN	
CURTAIN WALL DETAIL	
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