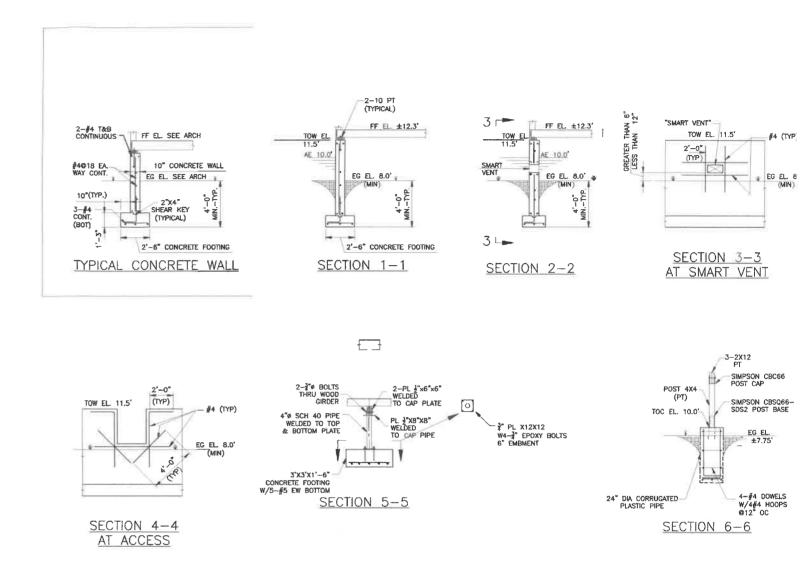


NEW FOUNDATION PLAN FRONT OF HOUSE 118 CADISH STREET







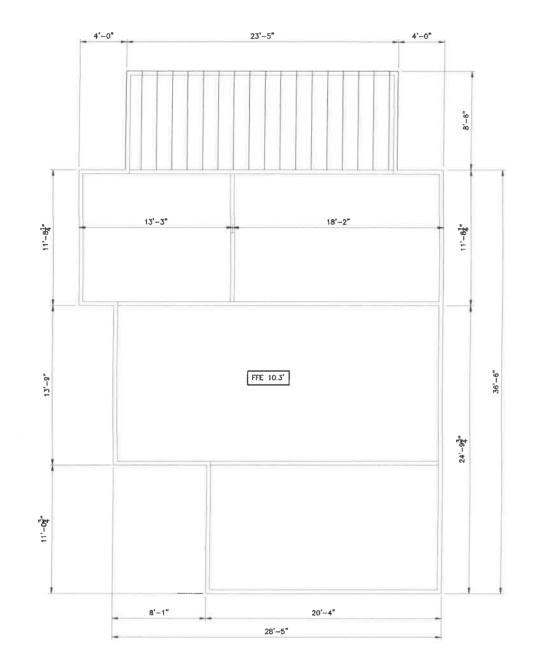
Progress Set
Drawings Updated
10/05/19
NOTE: 11" x 17" DRAWING SIZ
IS NOT TO SCALE

Paul Bonarrigo, P

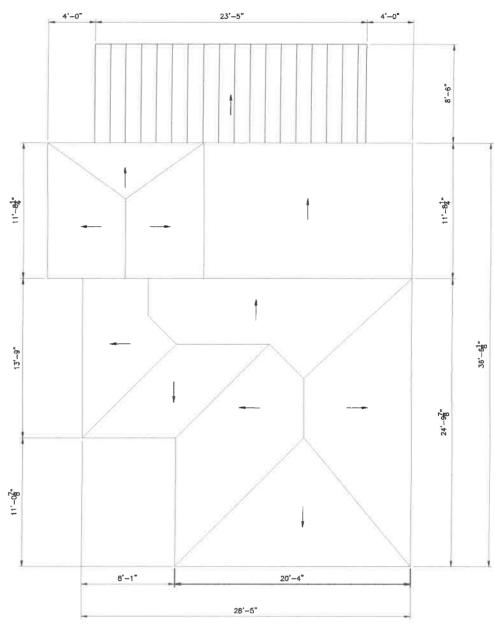
Structural Engineer
52 Northern Avenue • Weymouth, MA 02:
Tel (781) 706-3287

9 1/4"=1'-0" | Paul Bonarri

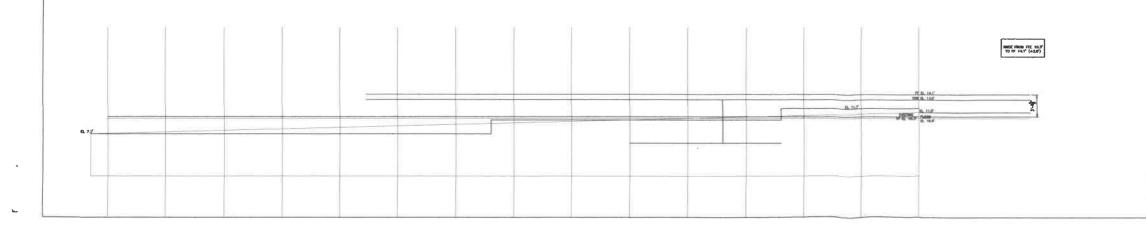
Existing Foundation
118 Cadish Avenue



EXISTING FOUNDATION BEARING PLAN



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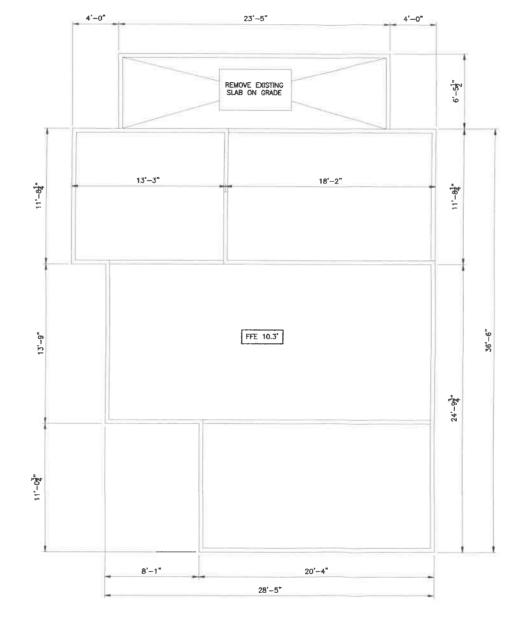
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NOTE: 11" x 17" DRAWING SIX
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Existing Foundation
118 Cadish Avenue



EXISTING FOUNDATION BEARING PLAN

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05/22/19

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Paul Bonarrigo, P Structural Engineer 52 Northern Avenue & Weymouth, MA 02: Tel (781) 706-3287

10/05/19

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Existing Foundation
118 Cadish Avenue

GENERAL NOTES:

GENERAL NOTES:

1. THE DESIGN SHALL BE IN ACCORDANCE WITH THE MASSACHUSETTS STATE BUILDING CODE 8th ED.

2. THE CONTRACTOR IS RESPONSIBLE TO FOLLOW ALL LOCAL, STATE, AND APPLICABLE MATIONAL CODES.

3. THE CONTRACTOR IS RESPONSIBLE TO VISIT THE SITE TO REVIEW ALL DOSTING CONDITIONS AND REPORT ANY VARIATIONS ON THE DRAWINGS TO THE ARCHITECT FOR CLARIFICATION.

4. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ENGINEER FOR CLARIFICATION.

5. CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK IN A SAFE AND SAIRSFACTORY MANNER, ALSO FOR THE STABILITY OF THE STRUCTURE DURING ERECTION AND CONSTRUCTION.

6. THE CONTRACTOR IS TO IMPLEMENT THE REQUIREMENTS OF WERCH 110 MPH EXPOSURE B.

WECM 110 MPH EXPOSURE B

DESIGN LOADS:

1. THE BUILDING SHALL BE DESIGNED TO CONFORM TO THE MASSACHUSETTS STATE BUILDING CODE EIGHTH EDITION, AND TO RESIST THE FOLLOWING 110 MPH (EXPOSURE B)

WIND: 110 MPH (EXPOSURE B)
SNOW: Pg=35 PSF
FLOOR: LL=40 PSF
DECK & PORCH: LL=60 PSF
DECK & PORCH: LL=60 PSF
DIMENSIONS COLONIAL CTM—L ELEVATIONS
FILE NAME "COASTAL 3"
WINCHESTER MODULAR HOMES, INC
30 REAGENS MILL ROAD
WINCATE, NY 12594 DATED 04/02/07
(A6E) 373—2400

(845) 832-9400

 FLOOD ZONE DATA BASED ON
 NASTASKET SURVEY ENGINEERING, LLC. JOB # 1-1604 DATED 04/03/15

FOUNDATIONS AND CONCRETE SLAB—ON—GRADE:

1. FOUNDATIONS SHALL BEAR ON COMPACTED GRANULAR
FILL OR NATURAL UNDISTURBED SOILS HAVING A MINIMUM
BEARING CAPACITY OF 2 TONS PER SQUARE FOOT — VERIFIED
BY THE CONTRACTOR. SOIL USED AS FILL SHALL BE
COMPACTED.

COMPACTED.

ALL EXTERIOR FOUNDATIONS SHALL BE A MINIMUM OF 4'-0" BELOW FINISHED GRADE, TO PROVIDE ADEQUATE FROST PROTECTION FOR FOOTINGS.

CAST-IN-PLACE ANCHOR BOLTS SHALL BE 3", DIAMETER AT 4'-0" ON CENTER EMBEDDED 1'-0" INTO TOP OF THE FOUNDATION WALL AND BOLTED INTO THE SILL BOLTS SHALL BE ASTM ASOT MATERIAL—CALVANIZED AND SHALL BE SET PRIOR TO PLACING CONCRETE (SEE DETAIL).

ALL STRUCTURAL CONCRETE SHALL BE NORMAL WEIGHT, STONE AGGREGATE CONCRETE, AND SHALL BE ROPPORTIONED, MIXED AND PLACED UNDER THE SUPERVISION OF A CONTROL ENGINEER IN ACCORDANCE WITH ACI 315, 318 AND 301 STANDARDS, LATEST EDITIONS. CONCRETE SHALL DEVELOP THE FOLLOWING 28 DAY STRENGTHS:

A. CONCRETE FLATWORK EXPOSED TO WEATHER 3500 PSI (BX AIR ENTRANDE)

A CONCRETE LATWORK EXPOSED TO WEATHER 3500 PSI
(6% AIR ENTRAINED)

B. EXTERIOR: WALLS, FOOTINGS, PIERS AND SLABS EXPOSED
TO WEATHER 3000 PSI (6% AIR ENTRAINED)
C. ALL OTHER CONCRETE: 3000 PSI
REINFORCING BARS INCLUDING STIRRUPS SHALL CONFORM TO
ASTM A615 WITH 60,000 PSI YIELD STIRRUPS THE WITH MINIMUM
ANCHORAGE AND SPLICE REQUIREMENTS FOR REINFORCING IN
ACCORDANCE WITH ACT 318, LATEST EDITION.
SLABS ON GRADE SHALL BE PLACED IN STRIPS IN ACCORDANCE
WITH THE LATEST ACI RECOMMENDATIONS. SLABS SHALL BE
PLACED ON GRADED GRANULAR MATERNAL COMPACTED TO 95%
OF MAXIMUM DRY DENSITY. SLABS SHALL BE 5" THICK
MINIMIUM AND REINFORCED W/WWR 6X6XW2.9SW2.9.

MINIMUM AND REINFORCED W/WWR 6X6XW2.9XW2.9.
FOUNDATIONS AND SLABS SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.

WOOD CONSTRUCTION:

1. ALL LUMBER USED SHALL CONFORM TO THE FOLLOWING SPECIFICATION:

A. ALL SAWN LUMBER SHALL BE SPRUCE—PINE—FIR AS FOLLOWS:

FOLLOWS:

1. STUDS - NO. 1/NO. 2 OR BETTER

2. JOISTS & RAFTERS - NO. 1/NO. 2 OR BETTER

3. BEAMS & GIRDERS - NO. 1 OR BETTER

LAMINATED VENEER LUMBER (LV.) BEAMS AND HEADERS: 2.0E 13/4" LAM LVL ALLOWABLE DESIGN STRESSES PRODUCT BY GEORGIA-PACIFIC OR ENGINEER APPROVED

2.0E 1% LAW LOCAL STATE OF THE LOCAL SHOWN OF THE LOCAL STATE OF THE L

5. ALL ROOF SHEATHING SHALL BE %" APA EXPOSURE 1 PLYWOOD AND HAVE PLYWOOD EDGE CLIPS WITH ASPHALT SHINGLES ON

5. ALL ROOF SHEAHING STRALL DE 78 AFTA EAR USUND. 1.1.000
AND HAVE PLYWOOD EDGE CLIPS WITH ASPHALT SHINGLES ON
15# FELT PAPER.

6. PROWIDE ONE ROW OF WOOD BLOCKING AT MID-HEIGHT OF STUDS
FOR ALL WALLS OVER B' IN HEIGHT. PROVIDE BLOCKING AT
ALL EXTERIOR WALL PLYWOOD JOINTS.

7. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE
TREATED.

8. ALL GABLE END DOOR HEADERS 3-2X10 W/JJS ES AND ALL
ROOF BEARING DOOR HEADERS 3-2X10 W/JS ES.

9. PLACE AN ADDITIONAL FLOOR JOIST UNDER EACH PARTITION
WALL WHEN THE WALL RUNS PARALLEL WITH THE FLOOR JOISTS.
10. CONTRACTOR TO OBTAIN MASSACHUSETTS P.E. STAMP DRAWING
FOR TJI'S, LYL'S AND LAM POST FROM LUMBER SUPPLIER AND
FORWARD TO THE ENGINEER FOR THE PROJECT RECORDS.

11. PROVIDE HOLD DOWN CLIPS ON EACH ROOF RAFFER. PROVIDE
LAM POST CAPS AND BASES ON ALL POST SUPPORTING ROOF
BEAMS.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL FOR ROLLED STEEL SHAP
NEW CARBON STEEL AND HAVE 50 KSI MINIM
STRENGTH.

STRENGTH.

2. STRUCTURAL STEEL FOR HOLLOW STRUCTURAL SHALL BE NEW CARBON STEEL AND HAVE 46 YIELD STRENGTH.

3. STRUCTURAL STEEL FOR PLATES SHALL BE N

STEEL ASTM A36 AND HAVE 36 KSI MINIMUM MINIMUM THICKNESS FOR CLIP ANGLES AND

SHALL BE %".
BOLTED CONNECTIONS SHALL HAVE A MINIMU BOLTS SHALL BE BEARING TYPE "N" WITH BO INCLUDED IN THE SHEAR PLANE, HEAVY HEXA TYPE 1 HIGH STRENGTH BOLTS, AND %" DIAM AND HAVE NUTS AND WASHERS. ALL BRACING CONNECTIONS WITH POSTED MEI SHALL DEVELOP 100% OF THE FORCE IN THE

SHALL DEVELOP 100% OF THE FORCE IN THE THE X, INCREASE FOR ALLOWABLE STRESSES. ALL BOLTS FOR FRAMING MEMBERS SHALL BE BY TURN OF THE NUT METHORD. WELDING SHALL CONFORM TO THE STRUCTUR. CODE AWS D1.1. WELDING ELECTRODES SHALL

CODE AWS D1.1. WELDING ELECTRODES SHALL SERIES, LOW HYDROGEN.

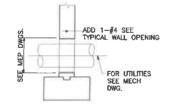
11. FIELD CUTTING, DRILLING, OR MODIFICATION IS UNLESS APPROVED BY THE ENGINEER.

12. ALL STRUCTURAL STEEL SHALL BE SHOP BASE AMERILOCK 2 AND FINISHED WITH AMPERSHIELL SURFACE PREPARATION. AND PAINT APPLICATION.

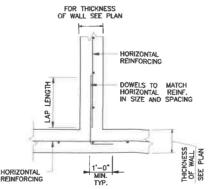
SURFACE PREPARATION AND PAINT APPLICATION
BE SSPC-SP10 IN ACCORDANCE WITH THE MA
RECOMMENDATIONS

13. IT IS THE RESPONSIBILITY OF THE CONTRACTO
ACTUAL FIELD CONDITIONS AND DIMENSIONS SI
PLANS PRIOR TO FABRICATING STRUCTURAL ST

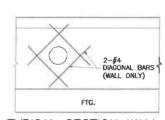
14. DESIGN PROCEDURES AND CALCULATIONS FOR
CONNECTIONS SHALL BE SUBMITTED TO THE E
REVIEW PRIOR TO SUBMITTAL OF SHOP DRAWN
PROCEDURES AND CALCULATIONS SHALL BE SI
PROFESSIONAL ENGINEER REGISTERED IN THE
MASSACHUSETTS.



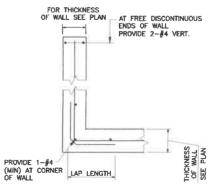
TYPICAL WALL PENETRATION FOR UTILITY SLEEVE



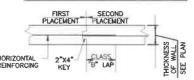
HORIZONTAL REINFORCING FOR WALLS & FOOTINGS



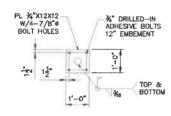
TYPICAL SECTION WALL OR SLAB PENETRATION FOR UTILITY SLEEVE



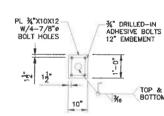
HORIZONTAL REINFORCING FOR WALLS & FOOTINGS



WALL OR SLAB CONSTRUCTION JOINT SLOPE



SECTION A-A



SECTION B-B

₹"ø THREADED ROD A307 -GALV. W/3 NUTS & 3 WASHERS 2-PL 1"X3"X3" -/ ANCHOR BO

REVISION 3 Issued for Review 12/08/19



12/.8/19

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Drawings Updated 05/22/19 NOTE: 11" x 17" DRAWING SI IS NOT TO SCALE

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Progress Set

Notes foundation
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