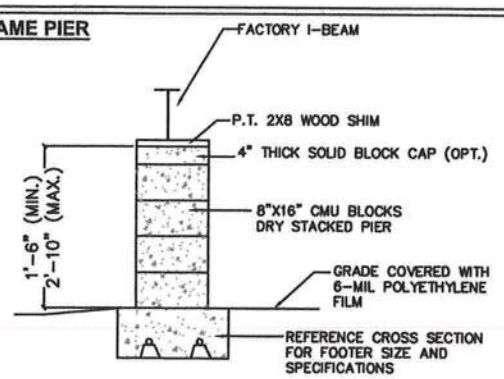
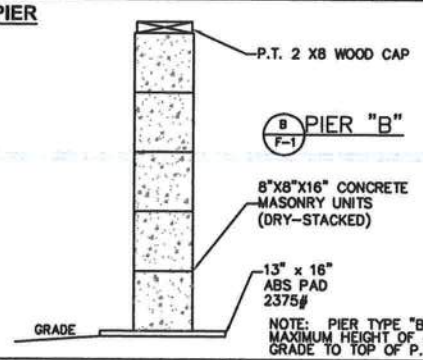
FRAME PIER



A / F-1 PIER "A"

SIDE WALL PIER

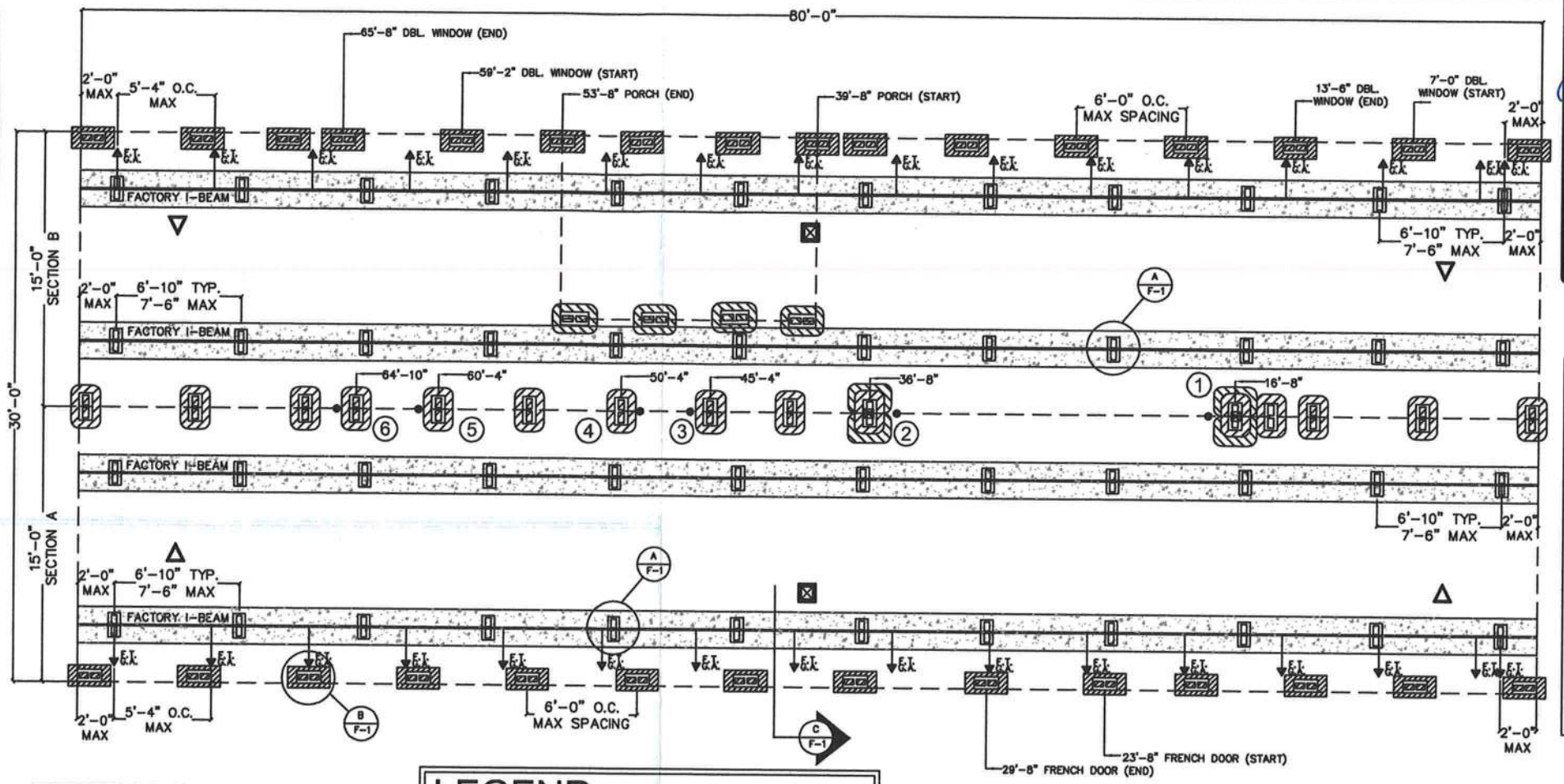


NOTE: PIER TYPE "B" HAS A MAXIMUM HEIGHT OF 48" FROM GRADE TO TOP OF P.T. 2 X 8

STRUCTURAL LOAD LIMITATIONS:

CODE EDITION: 2017 FLORIDA BUILDING CODE (6TH EDITION) & ASCE 7-10

1. ULTIMATE DESIGN WIND SPEED: 120 mph WIND SPEED
2. NOMINAL DESIGN WIND SPEED: 93 mph WIND SPEED
3. WIND EXPOSURE CATEGORY: "C"
4. IMPORTANCE FACTOR: 1.0
5. DESIGN ROOF LIVE LOAD: 20 PSF
6. DESIGN FLOOR LIVE LOAD: 40 PSF
7. MIN. ASSUMED SOIL BEARING CAPACITY: 1500 PSF
8. OCCUPANCY CLASSIFICATION: R3
9. CONSTRUCTION TYPE: VB
10. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT IN A HIGH VELOCITY HURRICANE ZONE AS DEFINED BY THE FBC.
11. THIS BUILDING IS NOT DESIGNED TO BE SUBMERGED OR SUBJECTED TO WAVE ACTION WHEN LOCATED IN A FLOOD PRONE OR ZONE AREA. THE BOTTOM OF THE STRUCTURAL I-BEAM MUST BE LOCATED ABOVE THE BUILDING SITE FLOOD PLANE LEVEL FOR THIS BUILDING TO BE LOCATED IN A FLOOD PRONE OR ZONE AREA OR THE THE GRADE AT THE BUILDING SITE MUST BE ABOVE THE FLOOD PLANE LEVEL.



TIE DOWN STRAP SPECIFICATIONS

ALL TIE-DOWN STRAPS, ETC., SHALL BE TYPE 1 FINISH B, GRADE 1, STEEL STRAPPING 109,000 MINIMUM YIELD STRENGTH, .035" MINIMUM THICKNESS (PLUS OR MINUS .002 IN. - 0.05MM) FINISH B - HOT-DIPPED GALVANIZED ZINC COATING (ASTM STANDARD 123-89A): 6 OUNCES PER SQUARE FOOT, PER SURFACE, 4750 POUNDS MINIMUM BREAK STRENGTH, MARKED EVERY 12 TO 15 INCHES (MANUFACTURER'S NAME AND ASTM SPEC. D3953-91), 1 1/4" WIDTH.

COLUMN LOADS

(1) = 5775 LBS.	(4) = 1444 LBS.
(2) = 5775 LBS.	(5) = 1444 LBS.
(3) = 1444 LBS.	(6) = 1444 LBS.

LEGEND

- 13"x26" ABS PAD = 2375 LBS. CAPACITY
- (3) 17.5"x25.5" ABS PAD = 6000 LBS. CAPACITY (TOP PAD IS LAID IN THE OPPOSITE DIRECTION TO THE BOTTOM PADS)
- 17.5"x25.5" ABS PAD = 3000 LBS. CAPACITY

SYMBOLS

- F.T. G.A. -FRAME TIE-DOWN FASTENED TO GROUND ANCHOR
- -COLUMN ANCHOR STRAP FASTENED TO GROUND ANCHOR
- -OLIVER TECHNOLOGIES, TIEDOWN ENGINEERING, OR MINUTE MAN ANCHORS LONGITUDINAL & LATERAL BRACING SYSTEM
- -OLIVER TECHNOLOGIES, TIEDOWN ENGINEERING, OR MINUTE MAN ANCHORS LATERAL BRACING SYSTEM ONLY

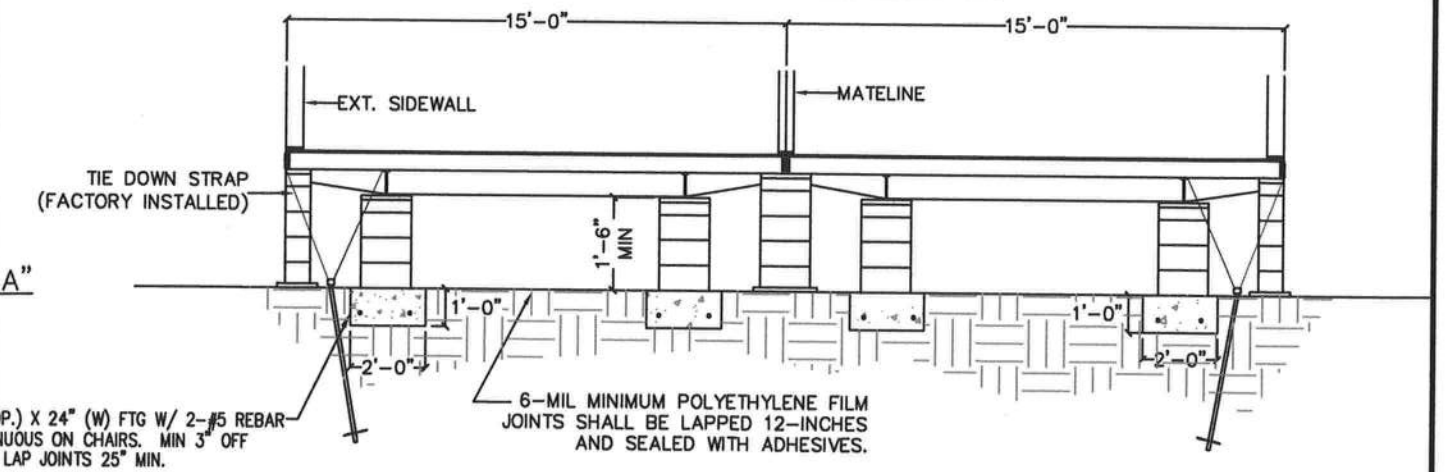
FOUNDATION NOTES

1. ALL UNDERLYING SOIL TO BE CLEAN, FREE OF VEGETATION, OTHER ORGANIC MATTER, UNSTABLE SOILS SUCH AS MUCK, AND OTHER DELETERIOUS MATERIALS..
2. FOUNDATIONS TO BE PLACED ON UNDISTURBED SOIL OR FILL THAT HAS BEEN COMPACTED TO 96% MAXIMUM DENSITY PER ASTM D-1557.
3. CONCRETE TO HAVE A MIN. 28 DAYS @ 3000 P.S.I. MIN. SLUMP OF 5"
4. REINFORCING STEEL TO BE ASTM-A615 BILLET DEFORMED GRADE 40. PROVIDE A MINIMUM CONCRETE COVER OF 3" ADJACENT TO EARTH AND MIN. LAP FOR #5 RODS TO BE 25".

FOUNDATION NOTES:

1. BLOCKING SPACING BASED ON 20PSF LIVE LOAD ON ROOF AND 1500 PSF SOIL BEARING CAPACITY.
2. CONCRETE BLOCKS ARE ONLY RATED AT 8000 POUNDS, 8000 POUND PIERS OR HIGHER MUST BE DOUBLE BLOCKED.
3. ALL ANCHORS ARE SPACED PER PLAN AND FOUR FOOT GROUND ANCHOR MAY BE USED.
4. THE MODEL 1101 "V"(LONGITUDINAL & LATERAL PROTECTION) ELIMINATES THE NEED FOR MOST STABILIZER PLATES AND FRAME TIES. EACH SYSTEM IS REQUIRED TO HAVE A FRAME TIE AND STABILIZER ATTACHED AT EACH LATERAL ARM STABILIZING LOCATION. THIS FRAME TIE AND STABILIZER PLATE MUST BE LOCATED WITHIN 18" FROM CENTER OF GROUND PAN.
5. WOOD SHIMS MAY BE INSTALLED WHEN NECESSARY BETWEEN THE I-BEAM AND THE TOP OF THE PIER. SHIMS SHALL BE FREE OF KNOTS, SPLITS, AND SIMILAR IMPERFECTIONS. SHIMS SHALL BE OF P.T. LUMBER, CEDAR, OR ABS AND BEARING AT ALL CONTACT POINTS SHALL NOT BE LESS THAN 2/3 OF THE BEARING PRIOR TO ADDING THE SHIMS.
6. ALL TIE DOWN ANCHORS SHALL HAVE A MINIMUM 4,725 LB. ULTIMATE CAPACITY AND SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS.
7. THE STEEL FRAME OF HOME IS NOT FOR USE OF RELOCATION OF HOME AFTER SETUP, AND IS INTENDED FOR USE AS A PERMANENT FOUNDATION.
8. ALL PIERS SHALL BE CONSTRUCTED OF 8" X 8" X 16" CONCRETE MASONRY UNITS CONFORMING TO ASTM C90.
9. INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS.
10. I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERALLY (90 DEGREES FROM THE ORIENTATION SHOWN ON THE FOUNDATION PLAN). MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.
11. ALL MASONRY PIERS MAY BE INSTALLED IN A DRY STACK SUBJECT TO LOCAL JURISDICTION

C / F-1 SECTION "A-A"



Senyb Engineering Services
50 W. Central Ave., Ste. B
Lake Wales, FL 33853
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Fax: 1-866-865-2044

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THESE STANDARDS AND PLANS MEET THE 2017 F.B.C. - RESIDENTIAL (6TH EDITION)-EXPOSURE "C"

V_{ULT} =ULTIMATE DESIGN WIND SPEED = 120 MPH (RISK CATERGORY II BUILDING)
V_{ASD} =NOMINAL DESIGN WIND SPEED = 93 MPH (RISK CATERGORY II BUILDING) (TABLE 1609.3.1)

MARK V. RICHTER , P.E. # 56196
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LAKE WALES, FL 33853
OFFICE: 863-589-5980

C&G HOMES
(CHIEFLAND)

SENYB ENGINEERING SERVICES
An Engineering and Design Company

DRAWING INFORMATION	
NAME:	M.B.J.
DATE:	06-30-2020
SCALE:	NOT PRINTED TO SCALE

CUSTOMER: RUSSELL
ADDRESS: 720 SW HILLTOP TERRACE, FT. WHITE, FL 32038
MODEL # WL-8409 SP: 30'-0" X 80'-0"- DEER VALLEY (HUD)

FOUNDATION PLAN AND DETAILS PROVIDED BY
SENYB ENGINEERING SERVICES
LAKE WALES, FLORIDA 33853

DESIGNED FOR 20 PSF ROOF LIVE LOAD AND 1500 PSF SOIL BEARING CAPACITY

F-1

SHEET 1 OF 1

MARK VINCENT RICHTER
LICENSE
No. 56196
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
07-01-2020