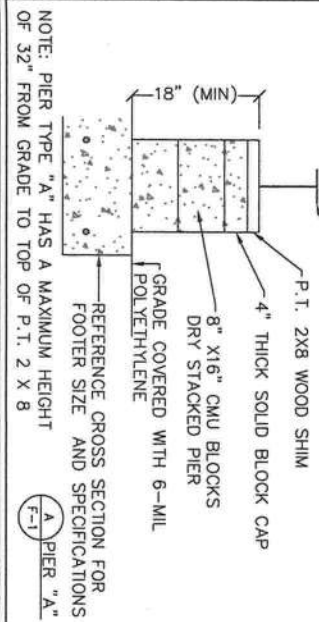
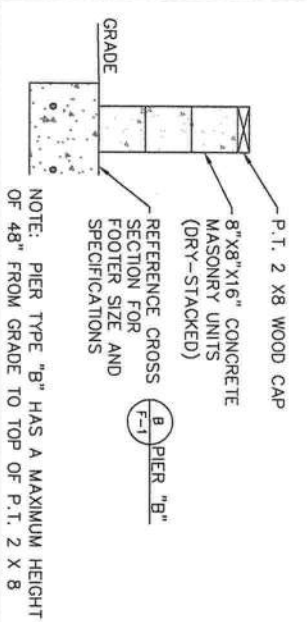


FRAME PIER
I-BEAM
P.T. 2X8 WOOD SHIM



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:

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. OCCUPANT CLASSIFICATION: R3
9. CONSTRUCTION TYPE: VB
10. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT IN A HIGH VELOCITY HURRICANE ZONE AS DEFINED BY THE
11. THIS BUILDING IS NOT DESIGNED TO BE SUBMERGED OR SUBJECT 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 GRADE AT THE BUILDING SITE MUST BE ABOVE THE FLOOD PLANE LEVEL.

THE DOWN STRAP SPECIFICATION

ALL THE DOWN STRAPS, ETC., SHALL BE TYPE 1 FINISH B, GRADE 1, STEEL STRAPPING 108,000 MINIMUM YIELD STRENGTH, .035" MINIMUM THICKNESS (PLUS OR MINUS .002 IN. - 0.03MM) FINISH B - HOT-DIPPED GALVANIZED ZINC COATING (ASTM STANDARD 123-89A). 6 LUNGS PER SQUARE FOOT PER SURFACE. 4750 POUNDS MINIMUM BREAK STRENGTH. MARKED EVERY 12 TO 15 INCHES (MANUFACTURER'S NAME AND ASTM SPEC. D3953-31), 1 1/4" WIDTH.

GROUND ANCHOR SPECIFICATIONS

GROUND ANCHOR SHALL HAVE A MINIMUM WORKING LOAD OF 3150# AND A MINIMUM 4/725 ULTIMATE LOAD CAPACITY. ASTM-A36 (GROUND ANCHORS) MINUTE MAN ANCHOR - GALVANIZED AUGER 5/8" X 48" SHAFT WITH SINGLE 6" DISC (48 INCH MINIMUM ANCHOR SHAFT EMBEDMENT)

ISOLATED MASONRY PIERS:

HOLLOW MASONRY PIERS SHALL HAVE A MINIMUM NOMINAL THICKNESS OF 8 INCHES WITH A NOMINAL HEIGHT NOT EXCEEDING FOUR TIMES THE NOMINAL THICKNESS AND A NOMINAL LENGTH NOT EXCEEDING THREE TIMES THE NOMINAL THICKNESS. WHERE HOLLOW MASONRY UNITS ARE SOLIDLY FILLED WITH CONCRETE OR GROUT, PIERS SHALL BE PERMITTED TO HAVE A NOMINAL HEIGHT NOT EXCEEDING TEN TIMES THE NOMINAL THICKNESS. PIER CAP - HOLLOW MASONRY PIERS SHALL BE CAPPED WITH 4 INCHES OF SOLID MASONRY OR CONCRETE. A MASONRY CAP BLOCK, OR SHALL HAVE CAVITIES OF THE TOP COURSE FILLED WITH CONCRETE OR GROUT.

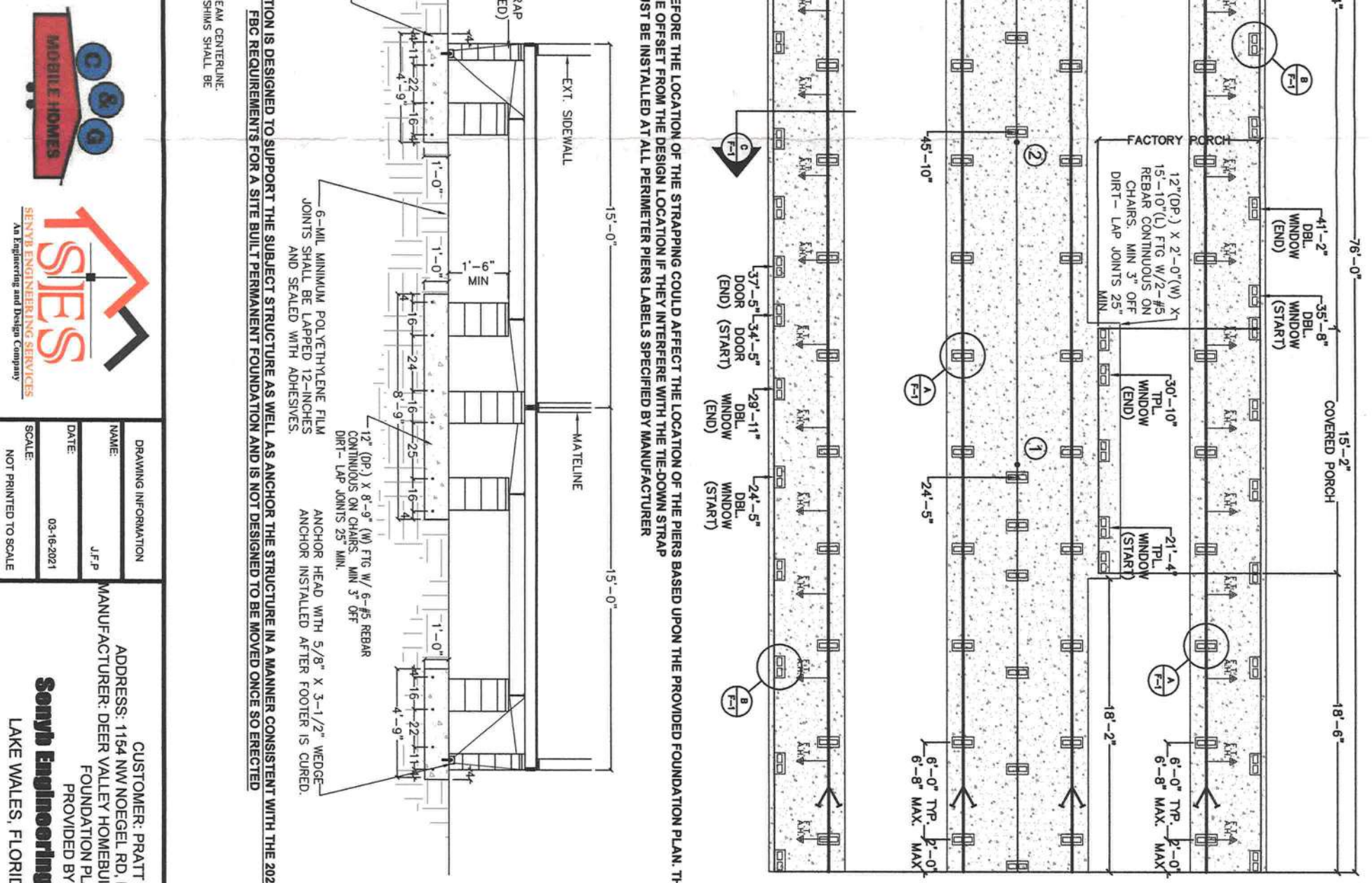
FOUNDATION NOTES:

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 POUNDS PIERS OR HIGHER MUST BE DOUBLE BLOCKED.
3. ALL SIDEWALLS ANCHORS ARE SPACED PER PLAN AND FOUR FOOT GROUND ANCHOR MAY BE USED.
4. ALL THE MASONRY PIERS MAY BE INSTALLED IN A DRY STACK SUBJECT TO LOCAL JURISDICTION.
5. ALL THE DOWN ANCHORS SHALL HAVE A MINIMUM 4,725 LB. ULTIMATE CAPACITY AND SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS.
6. THE STEEL FRAME OF HOME IS NOT FOR USE OF RELOCATION OF HOME APARTER SETUP, AND IS INTENDED FOR USE AS A PERMANENT FOUNDATION.
7. ALL PIERS SHOULD BE CONSTRUCTED OF 8"X16" CONCRETE MASONRY UNITS CONFORMING TO ASTM C90
8. INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS.
9. 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 CENTRELINE.
10. WOOD SHIMS MAY BE INSTALLED WHEN NECESSARY BETWEEN THE I-BEAM AND THE BEARING PRIOR TO ADDING THE SHIMS.

THESE STANDARDS AND PLANS MEET THE 2020 F.B.C. - RESIDENTIAL (7TH EDITION) - EXPOSURE "C".
 V_{ULT} = ULTIMATE DESIGN WIND SPEED = 120 MPH (RISK CATEGORY II BUILDING)
 V_{DES} = NOMINAL DESIGN WIND SPEED = 93 MPH (RISK CATEGORY II BUILDING) (TABLE 1609.3.1)
 MARK V. RICHTER, P.E. #56196
 LAKE WALES, FL 33853
 OFFICE: 853-589-5980

Senyb Engineering Services
 50 W. Central Ave.
 Suite B
 Lake Wales, FL 33859
 Office: 853-589-5980
 Fax: 1-866-865-2044
 www.senybengineering.com

THE TIE-DOWN STRAPS ARE INSTALLED BY THE MANUFACTURER, AND THEREFORE THE LOCATION OF THE STRAPPING COULD AFFECT THE LOCATION OF THE PIERS BASED UPON THE PROVIDED FOUNDATION PLAN. THE PERIMETER PIERS MAYBE OFFSET FROM THE DESIGN LOCATION IF THEY INTERFERE WITH THE TIE-DOWN STRAP PERIMETER PIERS MUST BE INSTALLED AT ALL PERIMETER PIERS LABELS SPECIFIED BY MANUFACTURER



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"

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SYMBOLS

- 17.5"x25.5" ABS PAD = 4500 LBS. CAPACITY
- 24"x24" ABS PAD = 6000 LBS. CAPACITY
- (3) 17.5"x25.5" ABS PAD = 9000 LBS. CAPACITY (TOP PAD IS Laid IN THE OPPOSITE DIRECTION TO THE BOTTOM PADS)
- 13"x26" ABS PAD = 3562 LBS. CAPACITY
- ANCHOR
- FRAME TIE-DOWN FASTENED TO GROUND
- GROUND ANCHOR STRAP FASTENED TO GROUND ANCHOR
- LONGITUDINAL ANCHOR STRAP LOCATIONS

COLUMN LOADS:

- 1 = 3586 LBS.
- 2 = 3586 LBS.

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

F-1

SHEET 1 OF 1

03-19-2021

MARK V. RICHTER, P.E. #56196
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER



DRAWING INFORMATION

NAME: J.F.P.
 DATE: 03-16-2021
 SCALE: NOT PRINTED TO SCALE

CUSTOMER: PRATT KOON
 ADDRESS: 1154 NW NOEGEL RD, LAKE CITY, FL 32065
 MANUFACTURER: DEER VALLEY HOMEBUILDERS- 30' X 76' (ON-FRAME)
 PROVIDED BY
Senyb Engineering Services
 LAKE WALES, FLORIDA 33853