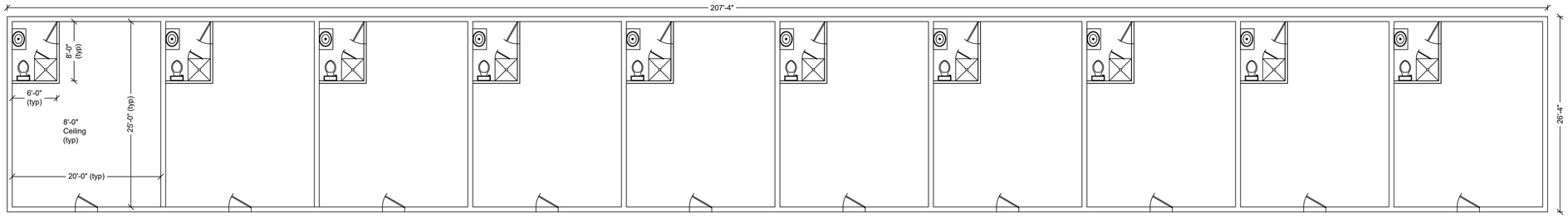
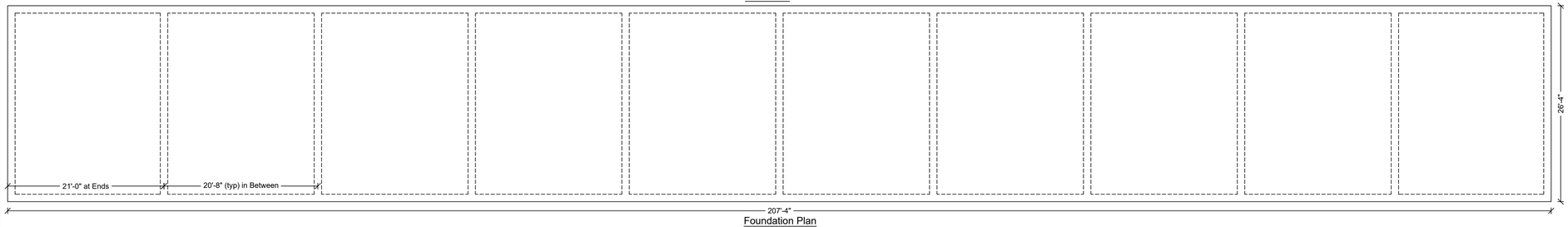
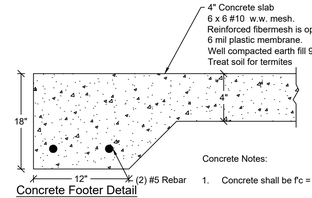


Plan View



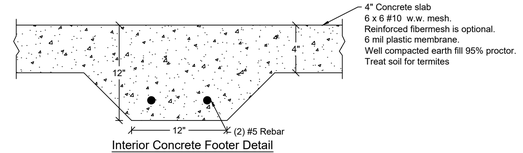
Foundation Plan



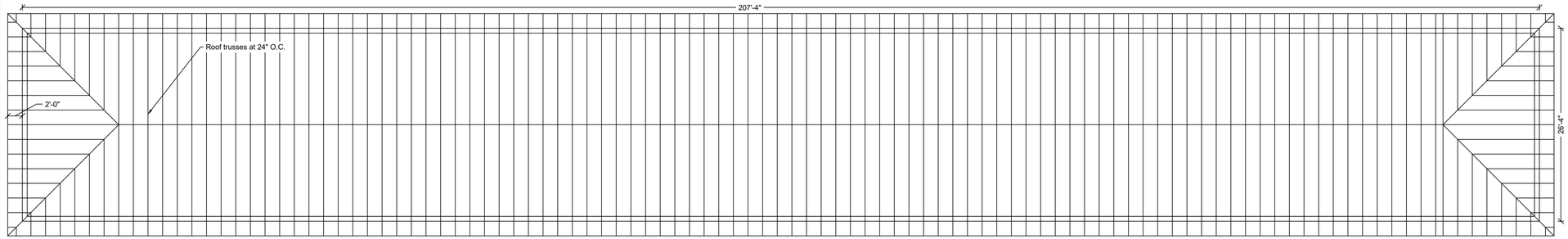
Concrete Footer Detail

Concrete Notes:

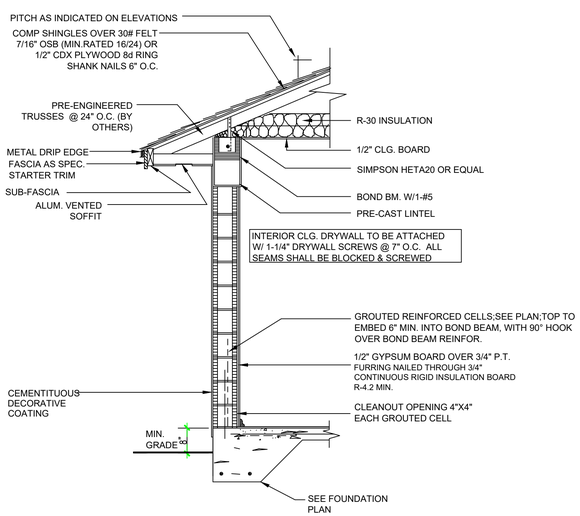
1. Concrete shall be f'c = 3000 psi minimum.



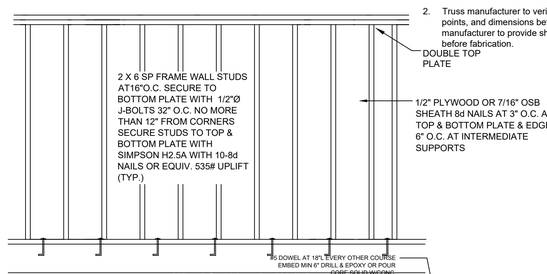
Interior Concrete Footer Detail



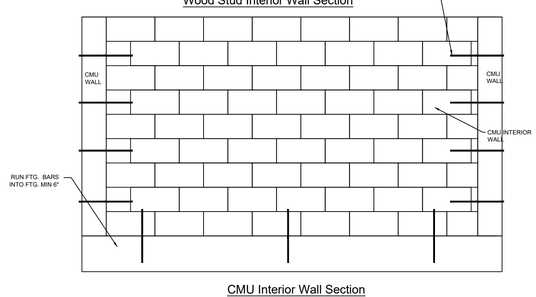
Roof Plan



CMU Wall Section



Wood Stud Interior Wall Section



CMU Interior Wall Section

Notes:

1. This roof plan is not intended to serve as a truss design. it is to indicate roof and ceiling slopes only.
2. Truss manufacturer to verify all truss spans, slopes, bearing points, and dimensions before fabrication. Also, truss manufacturer to provide shop drawings for final approval before fabrication.

Soil notes:

MIN. SOIL BEARING PRESSURE - 2000 PSF

ALL FILL SHALL BE CLEAN SAND, FREE OF ORGANIC AND ANY DELETERIOUS MATERIALS.

Termite treatment:

TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMICIDES. UPON COMPLETION OF THE APPLICATION, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT.

METHOD OF TREATMENT SHALL BE APPROVED BY THE GOVERNING JURISDICTION AT THE "PERMIT" STAGE.

Conc. & masonry notes:

ALL CONCRETE SLABS SHALL HAVE 6 x 6W.W.M. OR FIBER MIX OF EQUAL SPECIFICATIONS.

ALL CONC. SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS FOR SLABS & FTGS.

ALL GROUT IN TIE BEAMS, LINTELS AND FILLED CELL BLOCKS SHALL BE 3000 PSI @ 28 DAYS.

CMUS SHALL BE CONSTRUCTED WITH HOLLOW LOAD BEARING UNITS OF NORMAL WEIGHT TYPE "N" CONFORMING TO ASTM C-90

PROVIDE PRECAST LINTELS OVER ALL OPENINGS U.N.O. ON THE DRAWING.

ALL REINF SHALL BE #5 GRADE 40 (MIN.) U.N.O.

REINFORCING BAR SPLICES SHALL OVERLAP A MIN. OF 25" FOR GRADE 40 #5 REBAR.

VERT. REINF. SHALL BE SPACED AS SHOWN ON THE FLOOR PLAN AND THE FOUNDATION PLAN. DIMENSIONS FOR REBAR SPACING DISPLAYED ON THE PLAN ARE A GUIDE ONLY. BUILDER/CONTRACTOR TO VERIFY ALL R.O.

ALL SECTIONS OF C.M.U. GREATER THAN 4' 0" IN LENGTH AND UNBROKEN BY OPENINGS ACT INDEPENDENTLY AS SHEAR WALL SEGMENTS AND INDIVIDUALLY PROVIDE BRACING FOR ADJACENT. FORCES MAY BE ASSUMED TO TRANSFER THRU BOND BEAMS TO OTHER SEGMENTS.

ALL DETAILS AND SECTIONS SHOWN ON THE DRAWING ARE INTENDED TO BE TYP. AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT EXCEPT WHERE A DIFFERENT DET. IS SHOWN.

Ceiling construction:

1/2" CEILING BOARD OR SAG RESISTANT BOARD SHALL BE USED FOR 24" O.C. FRAMING UNLESS NOTED OTHERWISE.

5/8" TYPE "X" GYPSUM BOARD SHALL BE USED ON WALLS AND CEILING IN GARAGE AREA IF LIVING SPACE IS ABOVE.

Truss notes:

TRUSS DESIGN AND ENGINEERING SHALL BE PERFORMED BY OTHERS. THE MANUFACTURER SHALL SPECIFY SIZING, CONNECTIONS, FASTENERS, AND SPACING FOR ALL TRUSSES AND TRUSS LAYOUT.

Roof covering notes:

BUILDER/CONTRACTOR TO PROVIDE SPECS. FOR ROOFING MATERIALS TO BE APPLIED ON THIS PROJECT.

R905.2.7 UNDERLAYMENT APPLICATION

UNDERLAYMENT SHALL BE INSTALLED USING ONE OF THE FOLLOWING METHODS.

1. FOR ROOF SLOPES FROM 2 UNITS VERTICAL IN 12 UNITS HORIZONTAL (17% SLOPE), AND LESS THAN 4 UNITS VERTICAL IN 12 UNITS HORIZONTAL (33% SLOPE). UNDERLAYMENT SHALL COMPLY WITH ASTM D 226, TYPE I OR TYPE II OR ASTM D 4869, TYPE II OR TYPE IV OR ASTM D 6757 AND SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER. APPLY 19" STRIP OF UNDERLAYMENT FELT PARALLEL TO AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT EAVE, APPLY 36" WIDE SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE 19" SHEETS, AND FASTENED WITH 1" ROUND PLASTIC CAP, METAL CAP NAILS OR TIN TABS ATTACHED TO A NAILABLE DECK WITH ONE ROW IN THE FIELD OF THE SHEET WITH A MAXIMUM FASTENERS SPACING OF 12" O.C. AND ONE ROW AT THE OVERLAPS FASTENED AT 6" O.C. SYNTHETIC UNDERLAYMENT SHALL BE FASTENED IN ACCORDANCE WITH THIS SECTION AND MANUF. RECOMMENDATIONS.

2. FOR ROOF SLOPES FROM 4 UNITS VERTICAL IN 12 UNITS HORIZONTAL (33% SLOPE) OR GREATER. UNITS VERTICAL IN 12 UNITS HORIZONTAL (33% SLOPE). UNDERLAYMENT SHALL COMPLY WITH ASTM D 226, TYPE I OR TYPE II OR ASTM D 4869, TYPE II OR TYPE IV OR ASTM D 6757 AND SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER. APPLY SHINGLE FASHION, PARALLEL TO AND STARTING AT THE EAVES LAPPED 2", AND FASTENED WITH 1" ROUND PLASTIC CAP, METAL CAP NAILS OR TIN TABS ATTACHED TO A NAILABLE DECK WITH ONE ROW IN THE FIELD OF THE SHEET WITH A MAXIMUM FASTENERS SPACING OF 12" O.C. AND ONE ROW AT THE OVERLAPS FASTENED AT 6" O.C. SYNTHETIC UNDERLAYMENT SHALL BE FASTENED IN ACCORDANCE WITH THIS SECTION AND MANUF. RECOMMENDATIONS.

3. AS AN ALTERNATIVE, THE ENTIRE ROOF DECK SHALL BE COVERED WITH AN APPROVED SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET MEETING ASTM D 1970 OR AND APPROVED SELF ADHERING SYNTHETIC UNDERLAYMENT INSTALLED IN ACCORDANCE WITH THE MANUF. INSTALLATION INSTRUCTIONS.

VALLEY FLASHING SHALL BE GALV. STEEL 26g NAILED @ 12" O.C.

DRIP EDGE SHALL BE PROVIDED AT EAVES AND GABLES ON SHINGLE ROOFS AND OVERLAP A MIN. OF 2" ATTACHED TO SHEATHING @ 12" O.C.

CONT. FLASHING SHALL BE APPLIED AT WALL/ROOF INTERSECTIONS.

4. SOFFIT TO BE ALUMINUM.

5. ROOF COVERING NOTES
VENT DESIGN CALCULATIONS -
NEW ENCLOSED SPACE = 1125 FT^2.
1125 FT^2 / 300 = 3.75 FT^2 OF TOTAL VENTING REQUIRED.
3.75 FT^2 * 144 IN^2/FT^2 = 540 IN^2
540 IN^2 / 2 = 270 IN^2 OF FREE VENTING REQUIRED
(2) OFF RIDGE VENTS = (2) (138) = 276 IN^2

Field repair notes:

MISSED "J" BOLTS: DRILL HOLE TO ACCEPT 5/8" ATR IN CONC. TO A MIN. DEPTH OF 6". APPLY SIMPSON EPOXY ADHESIVE PER MANUF.

MISSED VERTICAL DOWEL: DRILL 3/4" DIA. HOLE 6" DEEP INSTALL 32"#5 REBAR WITH SIMPSON EPOXY ADHESIVE PER MANUF.

ASSURE THAT ALL DUST AND DEBRIS IS REMOVED FROM HOLES PRIOR TO APPLYING EPOXY.

General notes:

CONVENTIONAL W.H. SHALL HAVE T/P RELIEF VALVE WITH FULL SIZE DRAIN TO 90 DEGREE TURN DN. ELBOW THROUGH EXTERIOR WALL.

ALL PIPING FOR PLUMBING SHALL BE CONCEALED U.N.O.

ALL HOSE BIBS SHALL BE EQUIPPED WITH BACKFLOW PREVENTION DEVICES.

PIPING SHALL BE OFFSET TO AVOID STRUCTURAL MEMBERS, CANTS, FLASHING, MECH. AND ELECTRICAL EQUPMENT.

ALL HVAC EQUIPMENT, ENERGY CALCULATIONS, DUCT SIZING AND LOCATIONS SHALL BE PROVIDED BY A/C CONTRACTOR.

AIR HANDLERS LOCATED IN ATTIC SPACE SHALL BE EQUIPPED WITH LIGHTING AND A SERVICE OUTLET.

AIR HANDLER LOCATED IN GARAGE SHALL HAVE 26 GA. (MIN.) SHEET METAL DUCTWORK BETWEEN GARAGE AND LIVING AREA. THERE SHALL BE NO OPENINGS INTO THE GARAGE.

HVAC CONDENSER(S) SHALL BE INSTALLED TO CONC. PAD USING 4 - 3/16" x 1 1/2" TAPCONS OR 4 - #8 HLTE x 1" - CONDENSER SHALL BE SITE LOCATED BY A/C CONTRACTOR.

CONDENSATE LINES AND D.B. SHALL DISCHARGE AT LEAST ONE (1) FOOT FROM THE STRUCTURE SIDEWALL WHETHER BY TAIL EXTENSIONS, UNDERGROUND PIPING OR SPLASH BLOCKS.

DRYER VENT SHALL NOT BE MADE OF FLEXIBLE LINE.

Wood construction notes:

"FRAMING LUMBER SHALL BE KILN DRIED Fb = 1200 NO. 2 DIMENSION SOUTHERN PINE/SPRUCE/PINE/FR OR EQUAL. GRADING STAMP SHALL BE ON THE LUMBER.

PLYWD. SHALL BE APA RATED SHEATHING GROUP 1, EXPOSURE 1 AND THE THICKNESS SHALL BE AS SHOWN.

O.S.B. IS AN ACCEPTABLE ALTERNATIVE TO PLYWD.

ALL EXTERIOR FRAME WALLS SHALL BE SHEATHED AS SHOWN IN DETAILED DRAWINGS. FRAME WALLS GREATER THAN 4' 0" IN LENGTH AND UNBROKEN BY OPENINGS ACT INDEPENDENTLY AS SHEAR WALLS. FORCES MAY BE ASSUMED TO TRANSFER THRU HEADERS TO OTHER SEGMENTS.

FIRE BLOCKING SHALL BE APPLIED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, VERT. AT THE CEILING AND FLOOR LEVELS AND HORIZ. AT 10' INTERVALS.

FIRE BLOCKING SHALL BE APPLIED IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN.

FIRE BLOCKING SHALL BE APPLIED AROUND VENTS, PIPES, DUCTS AND CHIMNEYS AT CEILING AND FLOOR LEVELS. (NON-COMBUSTIBLE MATERIAL AT CHIMNEYS AND FIREPLACES.)

ALL WOOD MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH MASONRY, CONC. OR SOIL SHALL BE P.T.

PRE-ENGINEERED TRUSS DESIGN, SPACING AND CALCULATIONS SHALL BE PROVIDED WITH SHOP DRAWINGS BY THE MANUF.

ATTIC ACCESS SHALL BE SITE LOCATED IN GARAGE. IF LOCATED IN CONDITIONED SPACE ACCESS PANEL MUST SEAL TO MEET THE ENERGY CODE. MIN. SIZE: 22 1/2" x 30"

DESIGN CRITERIA:

1. FBC 2020 7TH EDITION
   NEC 2017
   ELECTRICAL 2020
   PLUMBING 2020
2. TRUSS LOADING: TOP CHORD DEAD LOAD = 10 PSF
   TOP CHORD LIVE LOAD = 20 PSF
   BOTTOM CHORD DEAD LOAD = 10 PSF
   BOTTOM CHORD LIVE LOAD = 0 PSF
3. WIND VELOCITY: V_{ULT} = 140 MPH
   V_{ASD} = 108.5

Wind Notes:

1. These drawings conform to the 2020 FBC 7th Edition.
2. Wind Velocity, V = 140mph, Vasd = 108.5mph
3. Exposure Category = B
4. Risk Category = II
5. ENCLOSED Building

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REVISIONS:

No.	Date	Description	By	Chk

Preliminary

PROJECT INFORMATION:

PREPARED FOR:
Integrity Permit Solution, LLC

PROJECT NAME:
0 Doc Lindsey
Fort Meade, FL

JOB NUMBER:	
E03009-23	
DATE: 04/28/23	
DRAWN BY: RJD	CHECKED BY: KMB
SCALE: NTS	
SHEET NUMBER: D-1	