

# WONDERFUL STRUCTURES

TERRANOVA 1 BD

OWNER / DEVELOPER: \_\_\_\_\_

BUILDER / GENERAL CONTRACTOR: \_\_\_\_\_

DESIGNER: \_\_\_\_\_

STRUCTURAL PREPARED BY: \_\_\_\_\_

SURVEY PREPARED BY: \_\_\_\_\_

## DRAWINGS INDEX:

- A0 - COVER SHEET
- A1 - STRUCTURAL NOTES
- A2 - FOUNDATION SLAB PLAN/DETAILS/ FRENCH DRAIN BASIC DESIGN
- A3 - MAIN FLOOR PLAN/COMPONENT PLAN/DETAILS
- A4- ELEVATIONS/DOORS AND WINDOWS SCHEDULE
- A5 - SECTIONS/ISOMETRICS/DETAILS



PROJECT: TERRANOVA 1BD MODEL  
Constructed area: 187.38 mt<sup>2</sup> / 2016.9 sqft  
Internal area: 102.86 mt<sup>2</sup> / 1107.2 sqft

DESIGN: WONDERFUL STRUCTURES  
BY BLAKE CORPORATION

SHEET TITLE: COVER SHEET

Vo.Ba: \_\_\_\_\_  
REVISION N°1

DRAWN BY: WONDERFUL\_STRUCTURES  
DATE: 02/2024  
SCALE: 1:50

SHEET No: A0  
OF: 5

GENERAL NOTES

- MATERIALS AND WORKMANSHIP TO CONFORM WITH THE 2015 INTERNATIONAL BUILDING CODE (IBC).
- THESE GENERAL NOTES SUPPLEMENT THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS. IN CASE OF CONFLICT BETWEEN THE PLANS AND SPECIFICATIONS, CONTACT THE OWNER'S REPRESENTATIVE.
- REFERENCE TO CODES, RULES, REGULATIONS, STANDARDS AND MANUFACTURER'S INSTRUCTIONS IS TO THE LATEST PRINTED EDITION IN EFFECT AT THE DATE OF SUBMISSION OF BID UNLESS THE DOCUMENT DATE IS SHOWN.
- IT IS RESPONSIBILITY OF CONTRACTOR TO VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY STRUCTURAL ENGINEER OF DISCREPANCIES.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXTERIOR SLABS AND WALLS.
- DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, USE SIMILAR DETAILS OF CONSTRUCTION, SUBJECT TO REVIEW BY THE OWNER'S REPRESENTATIVE.
- DO NOT SCALE THE DRAWINGS.
- PROVIDE TEMPORARY BRACING AND SHORING NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. RETAIN A REGISTERED ENGINEER WHO IS PROPERLY QUALIFIED TO DESIGN BRACING, SHORING, ETC.
- INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE.
- ELEVATIONS ARE PER ARCHITECTURAL DRAWINGS.
- CONSTRUCTION LOADS: EVENLY DISTRIBUTE MATERIALS ON FLOORS AND ROOFS. DO NOT TO EXCEED ALLOWABLE LOADING FOR SUPPORTING MEMBERS AND CONNECTIONS.
- ARCHITECT'S/ENGINEER'S REVIEW OF THE SHOP DRAWINGS SHALL NOT BE CONSTRUED AS AUTHORIZATION TO DEVIATE FROM THE CONTRACT DOCUMENTS.

FOUNDATION AND SITE WORK

- THE DESIGN OF THE FOUNDATION SYSTEM IS BASED UPON MINIMUM CODE PRESCRIBED VALUES.
- LOCATE AND PROTECT EXISTING UTILITIES TO REMAIN DURING AND/OR AFTER CONSTRUCTION. 3. REMOVE ABANDONED FOOTINGS, UTILITIES, ETC. WHICH INTERFERE WITH NEW CONSTRUCTION, UNLESS OTHERWISE INDICATED. NOTIFY THE OWNER'S REPRESENTATIVE IF ANY BURIED STRUCTURES NOT INDICATED, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC., ARE FOUND.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, UNDERPINNING AND PROTECTION OF EXISTING CONSTRUCTION.
- REMOVE LOOSE SOIL AND STANDING WATER FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING CONCRETE.
- EXCAVATIONS FOR FOUNDATIONS MUST BE ACCEPTED BY THE OWNER'S REPRESENTATIVE PRIOR TO PLACING REINFORCING AND CONCRETE. NOTIFY THE OWNER'S REPRESENTATIVE WHEN EXCAVATIONS ARE READY FOR INSPECTION.
- FOUNDATION DESIGN IS BASED ON AN ASSUMED BEARING CAPACITY OF 2000 PSI. BEFORE CONSTRUCTION, CONTRACTOR SHALL HAVE SOILS TESTED BY A FLORIDA LICENSED GEOTECHNICAL ENGINEER TO VERIFY CAPACITY. SUBMIT TEST RESULTS TO ENGINEER FOR REVIEW.

REINFORCING STEEL

- REINFORCING TO CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:

LOCATIONS	TYPE
ALL REINFORCING	ASTM A615, 60 KSI

- ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT FROM DISPLACING DUE TO FORMWORK, CONSTRUCTION, OR CONCRETE PLACEMENT OPERATIONS. LOCATE AND SUPPORT REINFORCING BY METAL CHAIRS, RUNNERS, BOLSTERS, SPACERS, AND HANGERS AT A MAXIMUM 3-FOOT SPACING.
- TERMINATE REINFORCING STEEL IN STANDARD HOOKS, UNLESS OTHERWISE SHOWN.
- PROVIDE REINFORCING SHOWN OR NOTED CONTINUOUS IN LENGTHS AS LONG AS PRACTICAL.
- PROVIDE REINFORCING BAR DOWELS IN FOOTINGS, PILE CAPS AND OTHER SUPPORTING MEMBERS OF THE SAME SIZE AND SPACING AS VERTICAL REINFORCING, U.O.N.

CAST-IN-PLACE CONCRETE

- CONCRETE IS REINFORCED AND CAST-IN-PLACE UNLESS OTHERWISE NOTED. WHERE REINFORCING IS NOT SPECIFICALLY SHOWN OR WHERE DETAILS ARE NOT GIVEN, PROVIDE REINFORCING SIMILAR TO THAT SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE OWNER'S REPRESENTATIVE.
- CONCRETE CLEAR COVER TO REINFORCING BARS IS AS FOLLOWS, UNLESS OTHERWISE NOTED:

LOCATIONS H	CLEAR COVER
CONCRETE PLACED AGAINST EARTH	3 INCHES
FORMED SURFACES EXPOSED TO WEATHER	1 1/2 INCHES
FORMED SURFACES EXPOSED TO WEATHER #5 BARS AND SMALLER #6 BARS AND LARGER SLABS ON GRADE (TOP CLEARANCE)	2 INCHES
	1 1/2 INCHES

CONCRETE TYPES:

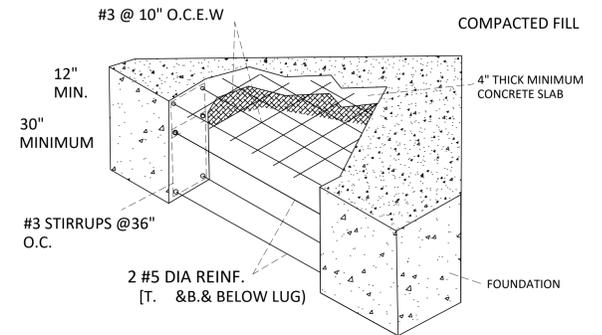
CLASS	28 DAY F*c (PSI)	TYPE	LOCATION
A	3000	NORMAL WEIGHT	FOUNDSTION, WALLS
B	3000	NORMAL WEIGHT	SLABS ON GRADE, MISC. CURB, PADS, ETC.

- CONTINUOUSLY MOIST CURE CONCRETE SLABS-ON-GRADE FOR 7 DAYS MINIMUM. WATER FOG SPRAYS, PONDING, SATURATED ABSORPTIVE COVERS, OR MOISTURE RETAINING COVERS MAY BE USED. CURING COMPOUNDS ARE NOT ACCEPTABLE.
- NON-SHRINK GROUT SHALL HAVE F\*c = 7000 PSI, MIN.
- CONCRETE MIXES SHALL USE TYPE II CEMENT AND BE DESIGNED BY AN APPROVED LABORATORY AND BEAR THE STAMP OF A CO REGISTERED ENGINEER

DESIGN LOADS:

- DESIGN SELFWEIGHT LOADS ARE IN ACCORDANCE WITH SHOWN PHYSICAL STRUCTURE.
  - ROOF:
    - DEAD LOAD = 200 PSF
    - ROOF LIVE LOAD = 70 PSF
    - FLOOR LIVE LOAD = 98 PSF
    - GROUND SNOW LOAD = 12.6 PSF
  - WIND:
    - WIND SPEED (ULTIMATE) = 121 MPH
    - WIND IMPORTANCE FACTOR: CATEGORY II, IMPORTANCE FACTOR= 1.0
    - WIND EXPOSURE: SURFACE ROUGHNESS = "C"
    - EXPOSURE = "C" ENCLOSURE CLASSIFICATION: ENCLOSED PER ASCE 7-16 C. SEISMIC: SEISMIC DESIGN CATEGORY: B
    - RISK CATEGORY II
    - SITE CLASS D
    - Ss = 0.051 S1 = 0.023

- This foundation design is for a concrete slab-on-grade and meets or exceeds requirements of the 2018 International Residential Code and Standard Engineering Practices.
- This foundation was designed for the Foundation site identified in the Sheet Drawing Block.
- After removing grass, tree roots and trash from site, provide compacted fill under entire slab. 4. Slab pad fill material shall be select, non-expansive soils with a P.I. of 17 or less. Crushed Limestone Road Base meeting the above requirement is a good choice. Fill shall be placed in loose lifts not exceeding 8 inches, per lift, and each layer shall be compacted to 95% of Standard Proctor Density. Before adding additional fill layers, builder must have field density test reports by a competent geotechnical showing results of on-site compacted proof testing if builder wishes to claim a design deficiency under this foundation plan. (ASTM-D-698).
- Existing subsoil beneath the fill shall be virgin and undisturbed native soil.
- Concrete Slab Web Section shall have 4 inch minimum thickness and be reinforced with #3s at 14" o.c. each way, unless otherwise approved by Design Engineer.
- Grade beams shall be a minimum soil depth of 16" into existing undisturbed soil.
- Concrete to test to 3000 psi at 28 days and shall not be placed if slump exceeds 4"
- Beam steel shall be continuous around all corners and beam intersections by using corner bars and stirrups (2 each top and bottom).
- Minimum length of all rebar laps and splices = 40 bar diameters.
- Provide 6 mil. or thicker, poly vapor barrier under all slab and beams.
- When grade beam exceeds 4'-0" in height provide an additional pair of #5 rebar at mid height of beam. When grade beam exceeds 6'-0" in height additional engineering will be required. 14. Owner, through Builder, shall verify all dimensions prior to construction.
- Verify with Owner the location of doors and if door block-outs are required.
- Provide 1/2" anchor bolts embedded 8" deep in slab concrete @ 4'-0" o.c. along perimeter walls and within 12" of slab corners and wall openings.
- Where flatwork meets foundation slab, provide #4 diameter dowels @ 16" o.c. (minimum) to slab depth of 6" slab-edge.
- All surface grades adjacent to slab shall slope to drain away from the slab edge both during and after construction.
- Exposed sub-grade should not be allowed to dry out prior to placing structural fill.
- The top 2 feet of utility trenches shall be backfilled with clays to prevent the transmission of water beneath the structure.
- Prior to casting concrete in form, there shall be a record by a licensed Professional Engineer as a pre-pour inspection confirming conformance with design notes and the Foundation Plan here-in. 22. Slab to be blanket-covered and kept watered through day 6 after placement of slab concrete. Moist-cured concrete develops nearly twice the compressive strength of dry cured. 23. No subsurface soils lab analysis report was available to guide this design.



A OUTERIOR BEAM



PROJECT:	<b>TERRANOVA 1BD MODEL</b> Constructed area: 187.38 mt2 / 2016.9 sqft Internal area: 102.86 mt2 / 1107.2 sqft
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DESIGN:	<b>WONDERFUL STRUCTURES</b> BY BLAKE CORPORATION
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SHEET TITLE:	STRUCTURAL NOTES
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Yours:	
REVISION #1:	

DRAWN BY:	WONDERFUL_STRUCTURES
DATE:	02/2024
SCALE:	1:50

SHEET No:	<b>A1</b>
OF:	5

FOUNDATION GENERAL RECOMMENDATIONS

REINFORCING:

1. CONCRETE REINFORCING STEEL SHALL COMPLY WITH THE REQUIREMENTS OF ASTM A615, GRADE 60 FOR #3 BARS AND ASTM A615, GRADE 60 FOR #4 AND LARGER BARS.
2. DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI 315, LATEST EDITION.
3. SEE SECTION 7.7 OF ACI 318-08 FOR CONDITIONS NOT NOTED.

CONCRETE:

1. CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A DESIGNATED COMPRESSIVE STRENGTH (P<sub>c</sub>) IN 28 DAYS OF 3000 PSI WITH A 4" SLUMP UNLESS OTHERWISE NOTED.
2. SAWN CONTROL JOINTS IN THE FLOOR SLAB SHALL BE DESIGNED BY THE GEOTECHNICAL ENGINEER ACCORDING TO THE TYPE OF SOIL AND THE PROJECT REQUIREMENTS.

SLAB ON-GRADE NOT OTHERWISE SPECIFIED, SHALL BE 4" THICK MINIMUM WITH 6#-W2-PW2.7 WELDED WIRE FABRIC PLACED 1" FROM TOP OF SLAB. SLAB SHALL BE PLACED ON 6-MIL VAPOR BARRIER ON 4" OF #7 STONE OR COMPACTED SAND OR CRUSHER RUN. VAPOR BARRIER MAY BE OMITTED FROM DRIVES, WALKS, PATIOS AND OTHER FLAT WORK NOT LIKELY TO BE ENCLOSED AND HEATED AT A LATER DATE. JOINTS LAPPED NOT LESS THAN 6".

FOUNDATION:

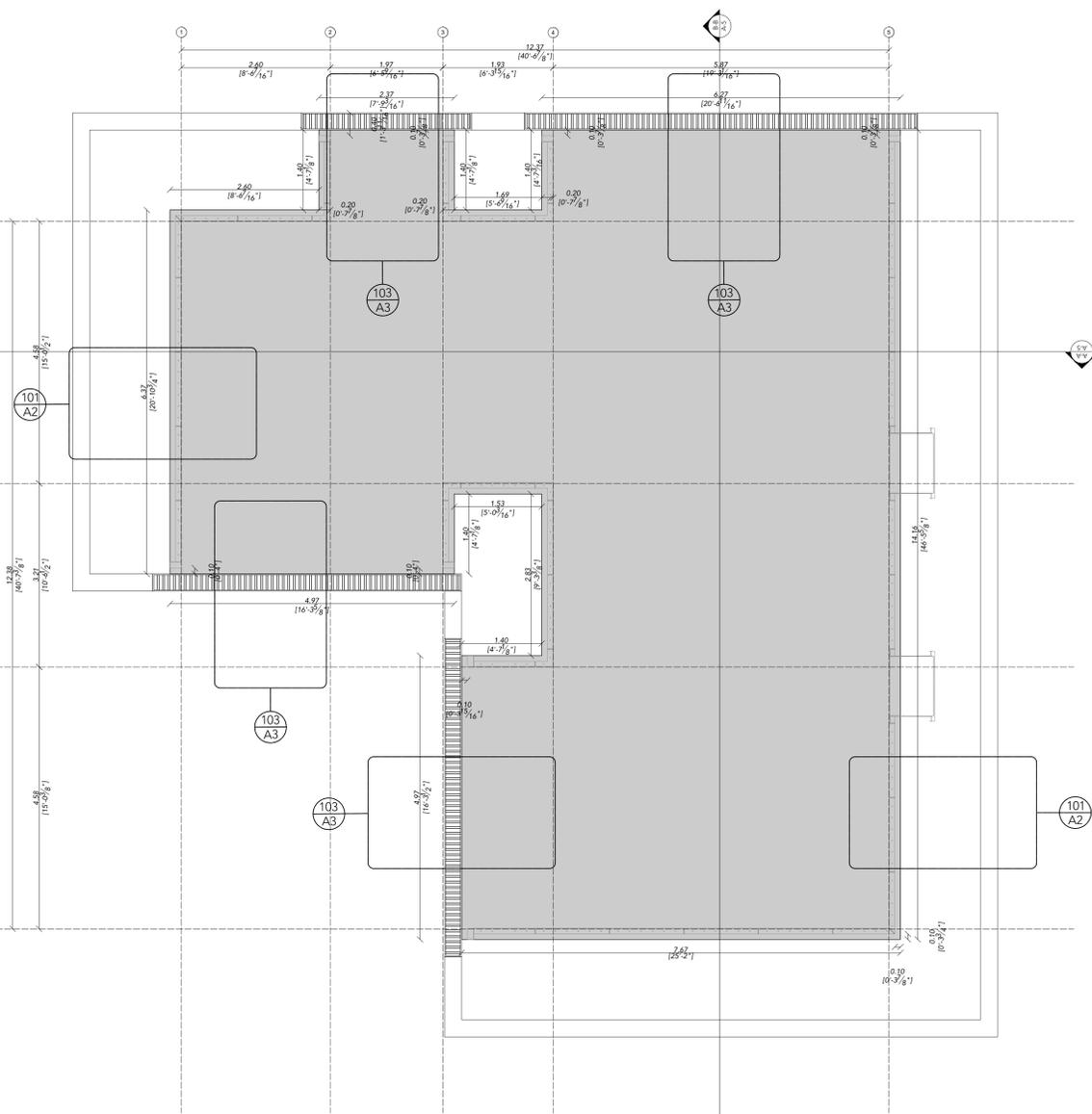
1. FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. THIS VALUE SHALL BE VERIFIED BY A REGISTERED SOIL ENGINEER PRIOR TO FOUNDATION CONSTRUCTION. IF ACTUAL VALUES VARY BY MORE THAN TEN PERCENT FROM DESIGN BEARING PRESSURE, FOOTINGS SHALL BE REDESIGNED. ALL FOOTINGS ARE TO BE PLACED ON UNDISTURBED ORIGINAL SOIL OR COMPACTED FILL.

GENERAL NOTES:

1. THE GENERAL CONTRACTOR SHALL COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS, INCLUDING THE SIZE AND LOCATION OF MISCELLANEOUS ITEMS AFFECTING THE STRUCTURAL WORK SUCH AS SMALL OPENINGS, PIPE SLEEVES, RECESSES, BENT PLATES, ETC. PROMPTLY NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR OMISSIONS. OPENINGS THROUGH BEAMS, GIRDERS AND/OR COLUMNS SHALL BE VERIFIED BY ENGINEER.
2. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING SITE CONDITIONS PRIOR TO COMMENCING WORK. PROMPTLY NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND THE CONTRACT DOCUMENTS.
3. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. THE ERECTION PROCEDURE AND SEQUENCE INCLUDING THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, RESHORING, TEMPORARY SUPPORTS, ETC., ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. DO NOT SCALE DRAWINGS. ALL WORK REQUIRING MEASURING SHALL BE DONE ACCORDING TO FIGURES ON DRAWING. ANY MISSING DIMENSIONS WILL BE FURNISHED UPON REQUEST.
5. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL ALSO APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
6. THESE GENERAL NOTES APPLY WHERE OTHER PROVISIONS ARE NOT PROVIDED BY THE DRAWINGS, SPECIFICATIONS OR TYPICAL DETAILS. IN CASE OF SPECIAL CONDITIONS INDICATED ON DRAWINGS, THE DRAWINGS SHALL GOVERN OVER THE SPECIFICATIONS.
7. CONSTRUCTION SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ORDINANCES, AND THE INTERNATIONAL BUILDING CODE 2012.

WOOD:

1. ALL CONVENTIONAL TIMBER CONSTRUCTION SHALL CONFORM TO THE "NATURAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY THE AMERICAN FOREST AND PAPER ASSOCIATION. ALL STUDS SHALL BE #2 SPRUCE-PINE-FIR OR BETTER. ALL TIMBER SHALL BE STRUCTURAL GRADED #2 SOUTHERN PINE OR BETTER UNLESS NOTED OTHERWISE. PLYWOOD CONSTRUCTION SHALL UTILIZE AMERICAN PLYWOOD ASSOCIATION RATED MATERIALS.
2. ALL TIMBER IN CONTACT WITH CONCRETE OR MASONRY WITHIN 6" OF GRADE, OR REMAIN EXPOSED TO WEATHER SHALL BE PRESSURE TREATED #2 SOUTHERN PINE.
3. AT LOAD BEARING WALLS, TOP PLATE SHALL BE DOUBLE, SILL PLATE SHALL BE SINGLE.



SCALE = 1:50 FOUNDATION SLAB PLAN\*

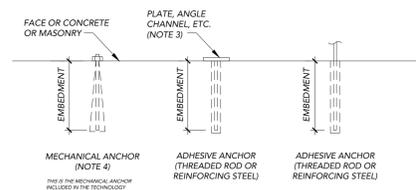
\*NOTE: THIS IS A GENERIC PLAN, PLEASE MAKE THE RESPECTIVE INQUIRY WITH THE LOCAL ENGINEER PROVIDED BY THE CLIENT

GENERAL NOTES:

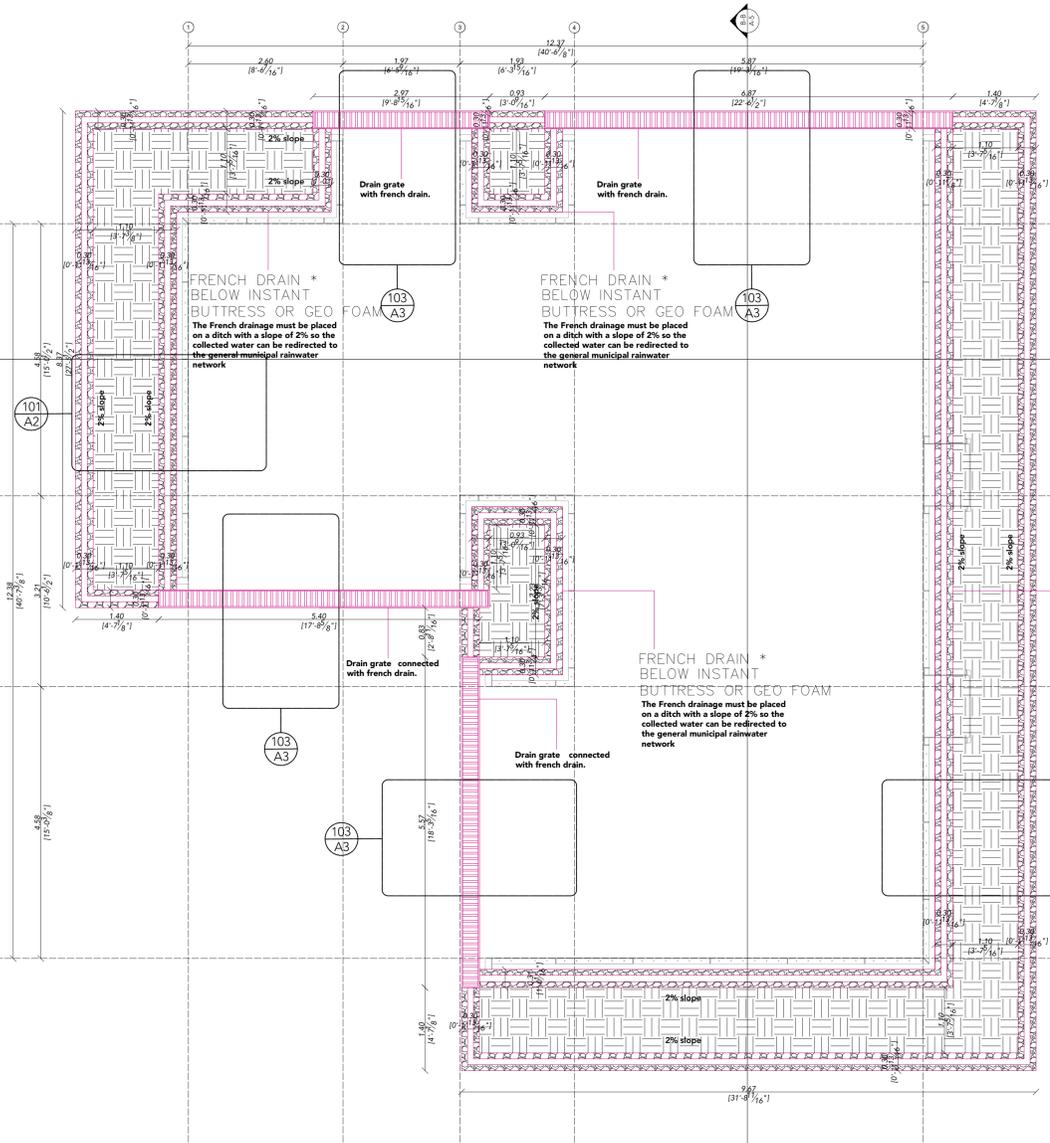
1. Ceiling heights shall be as indicated on elevations.
2. All interior walls shall be of 2x4 #2 Southern Yellow Pine @ 16" o.c., finished with 1/2" gypsum board, U.N.O.
3. Number of exterior treads and risers to be determined by contractor according to site conditions.
4. All dimensions are taken from centerline of flange @ exterior & surface of wall stud or header @ interior, U.N.O.
5. Planner is not responsible for any structural component of this plan. Refer to structural drawings provided by contractor for design of foundation & roof structural systems.
6. ALL DIMENSIONS TO BE VERIFIED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION.
7. All doors shall be placed 6" from nearest wall, U.N.O.
8. All exterior wood & wood in contact w/concrete shall be pressure treated. Use galvanized nails.
9. All smoke & carbon monoxide detectors shall be wired directly & per IRC R313 & R315 w/Amendments of governing jurisdiction.
10. Provide mechanical exhaust fan/light per R303.3 & IRC R314 & R31.
11. Provide GFI outlets by each sink & in wet areas.
12. Tempered glass is req'd, when sill is less than 18" A.F.F., 24" from exterior door opening & within 60" vertical above tub or shower enclosure. All glass in doors to be tempered.
13. Contractor & subcontractors shall determine final locations of all mechanical, electrical & plumbing components & verify all req'd clearances for installation & maintenance are provided. All fixtures shall be installed in accordance w/manufacturers recommended specifications.

EXHAUST TUBE GENERAL NOTES

1. The perforation for the exhaust tube duct must be done on site carefully to not affect the panels reinforcement and following directions from a specialist.
  2. The exhaust tube duct shall not be in direct contact with the fiberglass panels, this to avoid damage on the material from high temperature. A spacer should be placed to protect the fiber glass according to the tube specialist.
  3. The exhaust tube shall be done following direction from a specialist, W.S is not responsible for any damage due to wrong proceeding during the construction process.
- These are suggested locations, these must be reviewed by an expert



100 TYPICAL POST-INSTALLED ANCHOR AND REINFORCING STEEL SCHEDULE SCALE: NOT TO SCALE



SCALE = 1:50 FRENCH DRAIN BASIC DESIGN\*

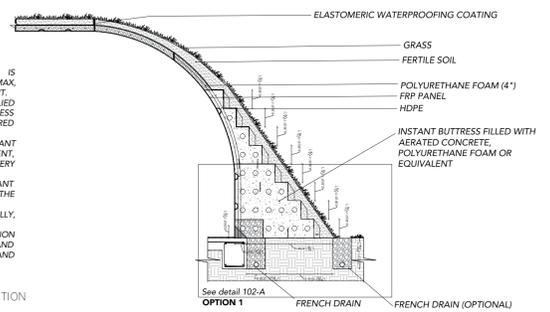
\*NOTE: THIS IS A GENERIC PLAN, PLEASE MAKE THE RESPECTIVE INQUIRY WITH THE LOCAL ENGINEER PROVIDED BY THE CLIENT  
 \*\*NOTE: THIS MEASUREMENTS ARE STIPULATED WITH THE BASIC INSTANT BUTTRISS MEASUREMENT, THIS CAN VARY DEPENDING ON THE SIZE OF THE GEO FOAM.

PROCEDURE

ONCE THE STRUCTURE IS ASSEMBLED, IT IS WATERPROOFED BY PAINTING IT WITH AMES BLUE MAX, SIKKA BLACK SEAL, OR SIMILAR WATERPROOF SEALANT. THEN A LAYER OF POLYURETHANE FOAM IS APPLIED TO PROVIDE THERMAL INSULATION. ITS THICKNESS DEPENDS ON THE INSULATION LEVEL REQUIRED LOCALLY. THE SLOPE WALLS ARE BUILT BY FILLING THE INSTANT BUTTRISS WITH AERATED CONCRETE OR EQUIVALENT, IN THIS WAY THE WALLS ARE STABILIZED AND VERY STRONG. THE INSTRUCTIONS FOR FILLING THE INSTANT BUTTRISS ARE SPECIFIED FOR EACH PROJECT IN THE INSTANT BUTTRISS FILLER GUIDELINES. THEN IT IS COVERED WITH FERTILE SOIL, AND FINALLY, THE GRASS IS PLACED ON TOP. PLEASE, READ THE W.S CONSTRUCTION MANUAL FOR MORE INFORMATION AND SPECIFICATIONS IN THE ASSEMBLY AND CONSTRUCTION PROCESS.

101-A INSTANT BUTTRISS WALL SECTION SCALE: NO SCALE REV:11.22.2022

\*NOTE: THIS IS A GENERIC DETAIL PLEASE MAKE THE RESPECTIVE INQUIRY WITH THE LOCAL ENGINEER PROVIDED BY THE CLIENT OR THE CERTIFIED BUILDER.  
 \*\*NOTE: CONSULT WITH DESIGN TEAM ON CLARIFICATION REGARDING THE INSTANT BUTTRISS FILLER VOLUME.

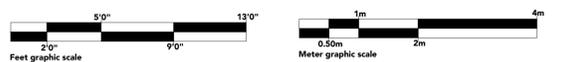
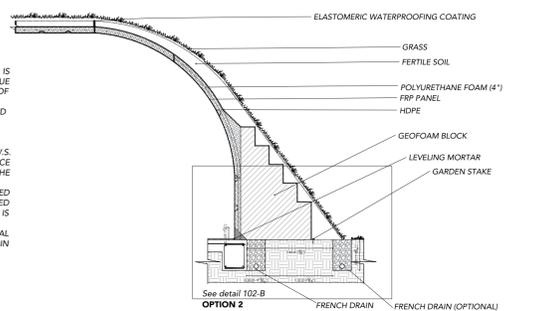


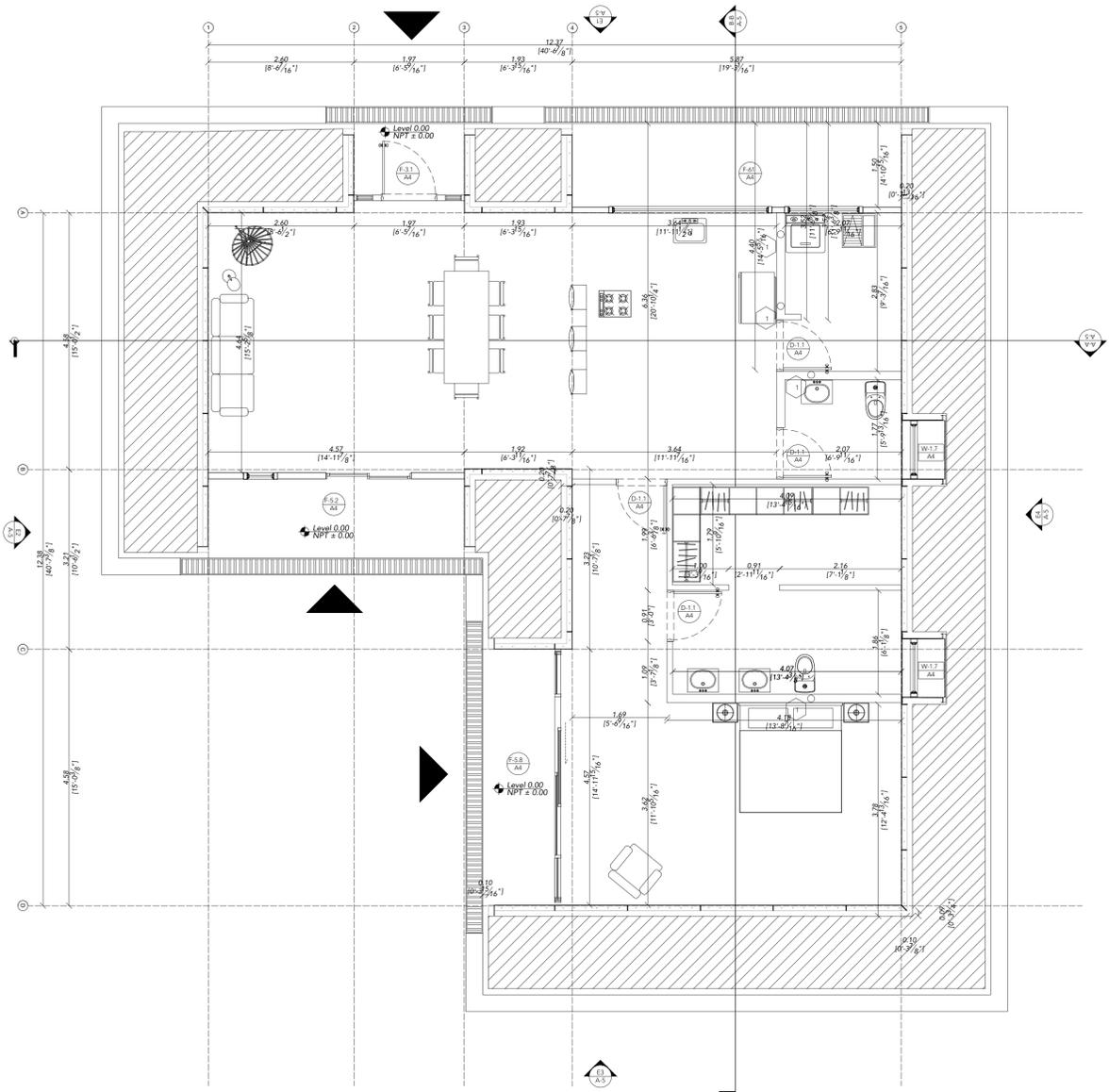
PROCEDURE

ONCE THE STRUCTURE IS ASSEMBLED, IT IS WATERPROOFED BY PAINTING IT WITH AMES BLUE MAX, SIKKA BLACK SEAL, OR SIMILAR WATERPROOF SEALANT. THEN A LAYER OF POLYURETHANE FOAM IS APPLIED TO PROVIDE THERMAL INSULATION. ITS THICKNESS DEPENDS ON THE INSULATION LEVEL REQUIRED LOCALLY. GEOFOAM BLOCKS ARE NOT SUPPLIED BY W.S. BLOCKS CAN BE PLACED NEXT TO THE FLAP ONCE THE SURFACE OF THE SURROUNDINGS OF THE STRUCTURE HAS BEEN LEVELLED. THE BLOCKS SHOULD BE COMPLETELY COVERED WITH A GEOMEMBRANE (HDPE), THEN IT IS COVERED WITH FERTILE SOIL, AND FINALLY, THE GRASS IS PLACED ON TOP. PLEASE, READ THE W.S CONSTRUCTION MANUAL FOR MORE INFORMATION AND SPECIFICATIONS IN THE ASSEMBLY AND CONSTRUCTION PROCESS.

101-B GEOFOAM WALL SECTION SCALE: NO SCALE REV:11.22.2022

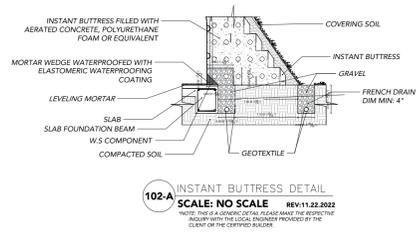
\*NOTE: THIS IS A GENERIC DETAIL PLEASE MAKE THE RESPECTIVE INQUIRY WITH THE LOCAL ENGINEER PROVIDED BY THE CLIENT OR THE CERTIFIED BUILDER.



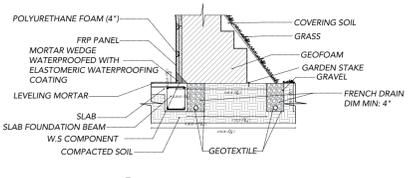


SCALE = 1:50 **1** MAIN FLOOR PLAN

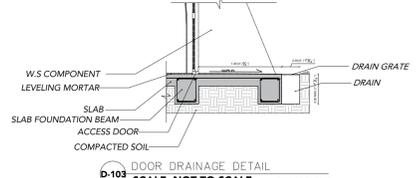
**A3** NOTE: RECOMMENDED EXHAUST DUCT PLACEMENT. THIS MUST BE REVIEWED BY THE LOCAL ARCHITECT.



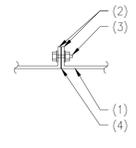
**102-A** INSTANT BUTTRESS DETAIL  
SCALE: NO SCALE REV: 11.22.2022



**102-B** GEOFOAM DETAIL  
SCALE: NO SCALE REV: 11.22.2022

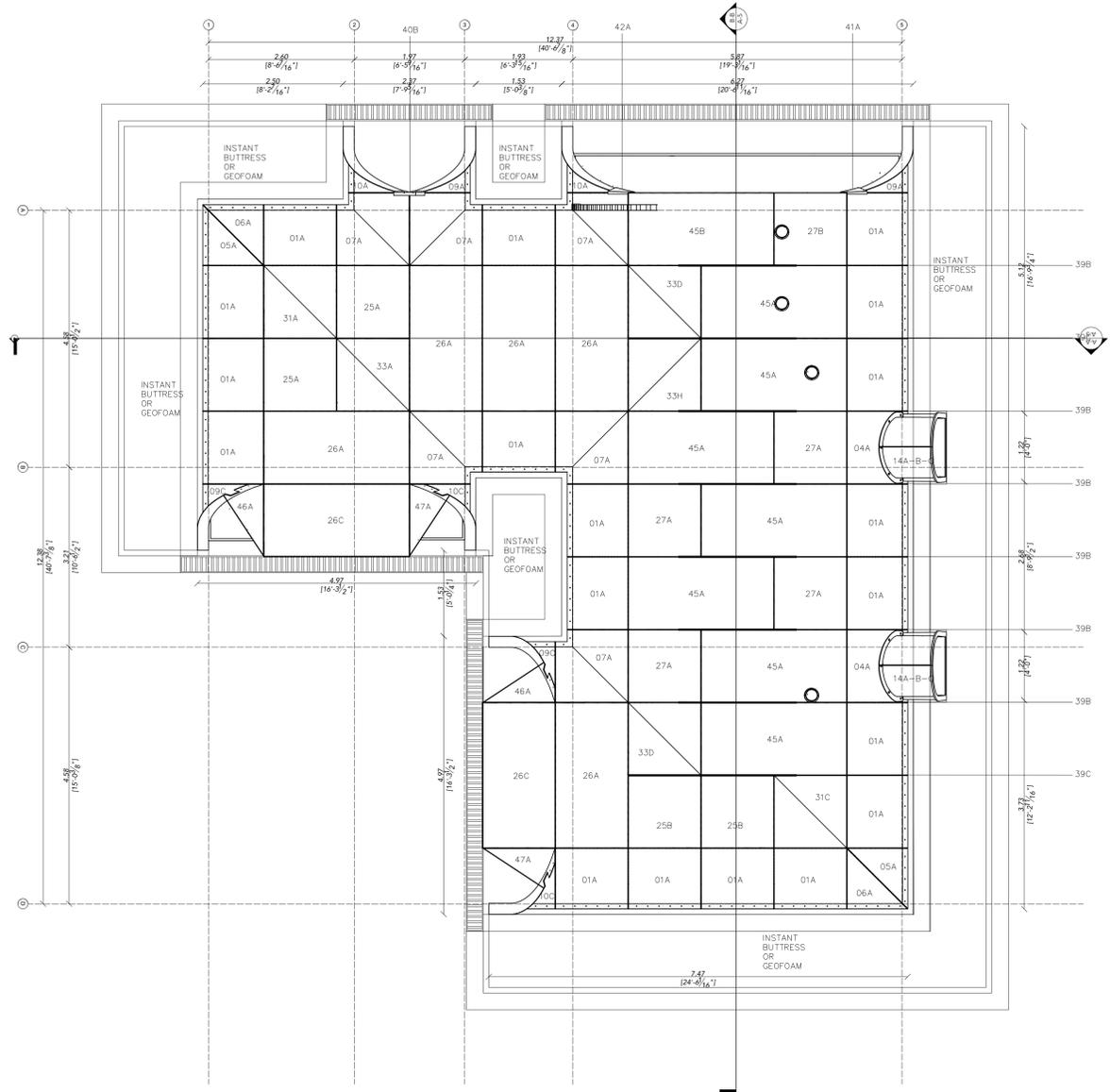


**D-103** DOOR DRAINAGE DETAIL  
SCALE: NOT TO SCALE REV: 06.08.2022



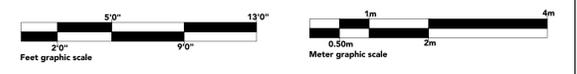
- NOTES:
- FRP PANEL
  - FRP PANEL FLANGE
  - 1/2" DIA. STAINLESS STEEL BOLTS 10" O.C. MAXIMUM (ACTUAL SPACING VARIES) WITH NUTS AND WASHERS
  - APPLY SEALANT TO FLANGE PER GREEN MAGIC HOMES BUILDING AND INSTALLATION MANUAL PRIOR TO JOINING PANELS

**104** SECTION - FRP PANEL TO PANEL CONNECTION  
SCALE: NOT TO SCALE



SCALE = 1:50 **2** COMPONENT PLAN

**A3**



PROJECT: **TERRANOVA 1BD MODEL**  
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Internal area: 102.86 m<sup>2</sup> / 1107.2 sqft

DESIGN: **WONDERFUL STRUCTURES**  
BY BLAKE CORPORATION

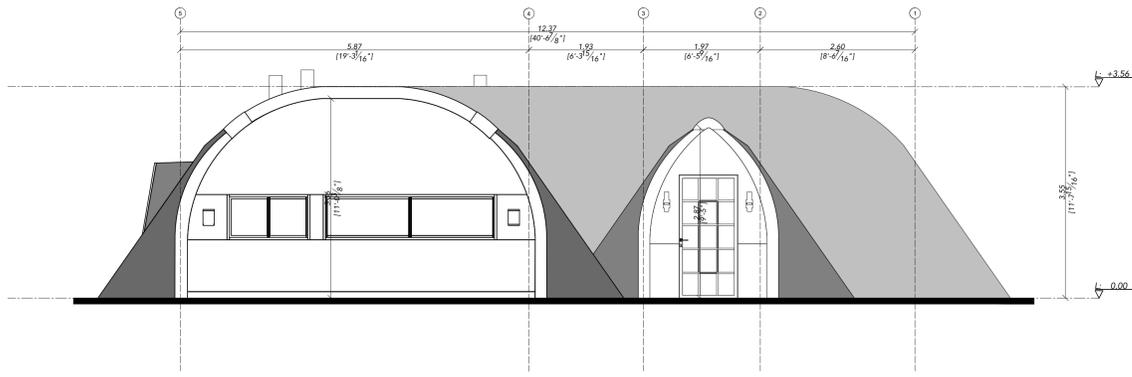
SHEET TITLE:  
**MAIN FLOOR PLAN  
COMPONENT PLAN  
DETAILS**

Vo:Bs

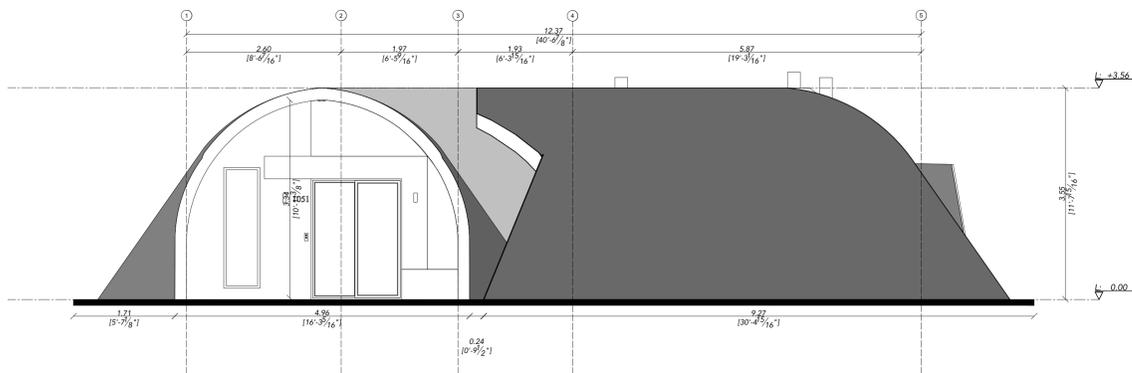
DRAWN BY:  
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OF:  
**5**

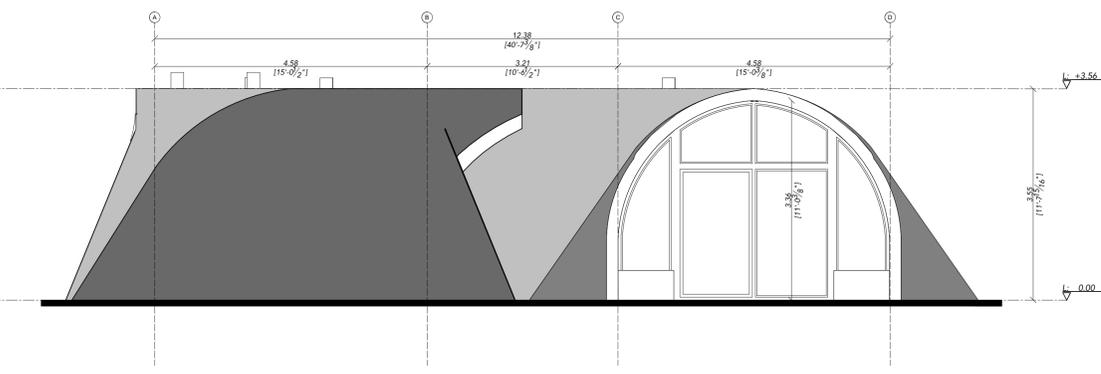
REVISION N°1



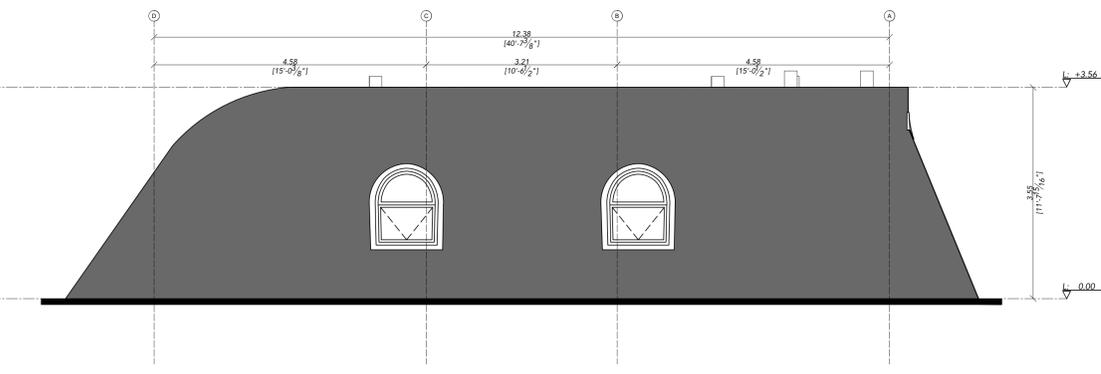
SCALE = 1:50 **1** ELEVATION 1  
A4



SCALE = 1:50 **2** ELEVATION 2  
A4



SCALE = 1:50 **3** ELEVATION 3  
A4



SCALE = 1:50 **4** ELEVATION 4  
A4

REFERENCE	TYPE	OPENING BLADE MEASUREMENT		QUANTITY
		WIDTH	HEIGHT	
(D.1) AD	Indoor door	0.91m 3'-0"	2.20m 7'-2 3/8"	
(W.1) AD	Customized sliding window	1.04m 3'-5"	0.66m 2'-2 3/4"	
(E.1) AD	Standard door	0.99m 3'-0"	2.08m 6'-8"	
(E.2) AD	Lateral window	0.61m 2'-0"	2.03m 6'-8"	
(E.3) AD	Standard sliding door	1.52m 5'-0"	2.01m 6'-7"	
(E.3.A) AD	Standard sliding door	3.30m 10'-10"	2.44m 8'-0"	
(E.4) AD	Exterior window	1.40m 4'-7"	0.76m 2'-6"	
(E.4) AD	Exterior window	2.92m 9'-7"	0.76m 2'-6"	

CONVENTIONS	
(D.1) AD	Type of Doors
(W.1) AD	Type of Windows
(E.1) AD	Type of Facades

**WINDOWS AND DOORS GENERAL NOTES**

- The measurements showed in this plan are just for reference. The opening measurements may change according to the contraction or expansion of the material caused by the differences in temperature, please corroborate them over the components received.
- The window design and material are suggested; the client can choose the form, material, and more aspects of the windows and doors in this design.
- The options shown on this page are just basic ideas for the project, these can be changed as desired by the client.

SCALE = 1:50 **5** DOORS AND WINDOWS SCHEDULE  
A4



PROJECT: **TERRANOVA 1BD MODEL**  
 Constructed area: 187.38 mt<sup>2</sup> / 2016.9 sqft  
 Internal area: 102.86 mt<sup>2</sup> / 1107.2 sqft

DESIGN: **WONDERFUL STRUCTURES**  
 BY BLAKE CORPORATION

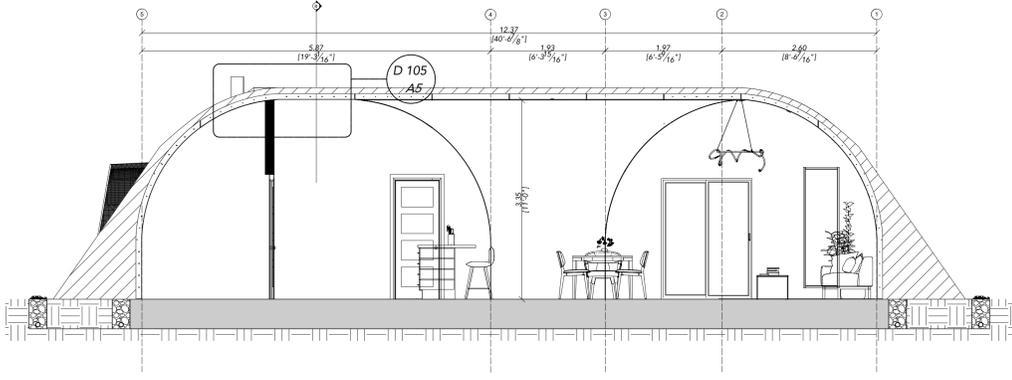
SHEET TITLE:  
**INSTANT BUTTRES OR GEOFOAM PLAN**  
 ISOMETRICS  
 WINDOWS SCHEDULE

Vol.:

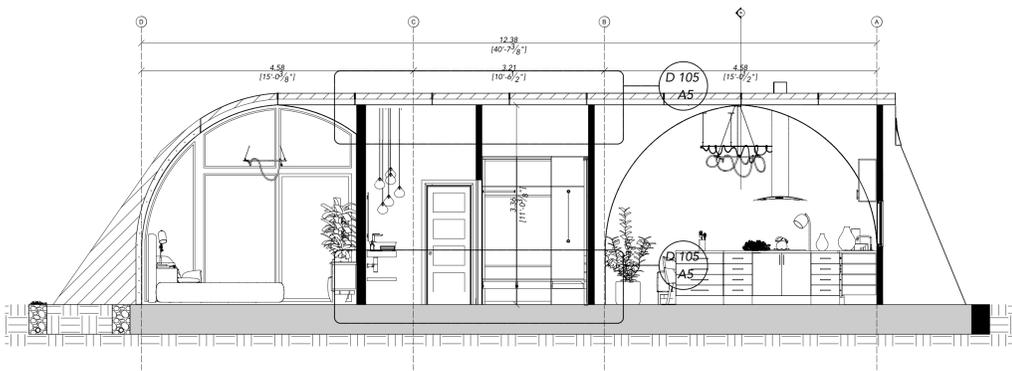
REVISION Nº1

DRAWN BY:  
**WONDERFUL\_STRUCTURES**  
 DATE:  
**02/2024**  
 SCALE:  
**1:50**

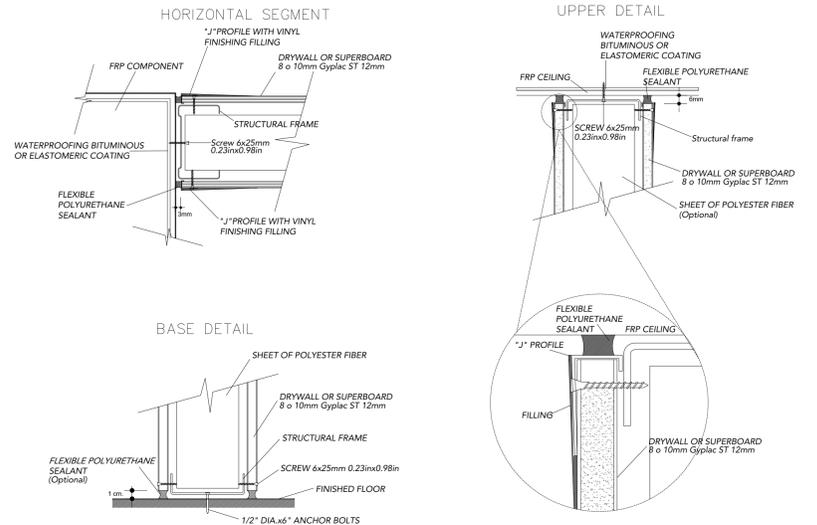
SHEET Nº:  
**A4**  
 OF:  
**5**



SCALE = 1:50 **1** SECTION A-A  
A5



SCALE = 1:50 **2** SECTION B-B  
A5



**105** INTERIOR WALL FASTENING DETAIL  
SCALE: NOT TO SCALE REV: 04.04.2022



SCALE = 1:50 **3** ISOMETRICS  
A5



PROJECT: **TERRANOVA 1BD MODEL**  
Constructed area: 187.38 mt<sup>2</sup> / 2016.9 sqft  
Internal area: 102.86 mt<sup>2</sup> / 1107.2 sqft

DESIGN: **WONDERFUL STRUCTURES**  
BY BLAKE CORPORATION

SHEET TITLE: **ELEVATIONS SECTIONS ISOMETRICS**

Vo.Ba.  
REVISION N°1

DRAWN BY: **WONDERFUL\_STRUCTURES**  
DATE: **02/2024**  
SCALE: **1:50**

SHEET No. **A5**  
OF: **5**