

CONCRETE / MASONRY /
METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1500 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- REINFORCING STEEL SHALL BE GRADE 40 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 25 KSI.
- CONCRETE SHALL BE STANDARD MIX F_c = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F_c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F_m = 1500 PSI.
- MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

4" THK. 3000 PSI CONCRETE SLAB
W/ FIBERMESH CONCRETE ADDITIVE,
OVER TREATED, CLEAN COMPACTED FILL

SECTION

SCALE: not to scale

A
S.1

2 - #5 BARS
CONTINUOUS
ON WIRE/PLASTIC
CHAIRS @ 48" O.C.

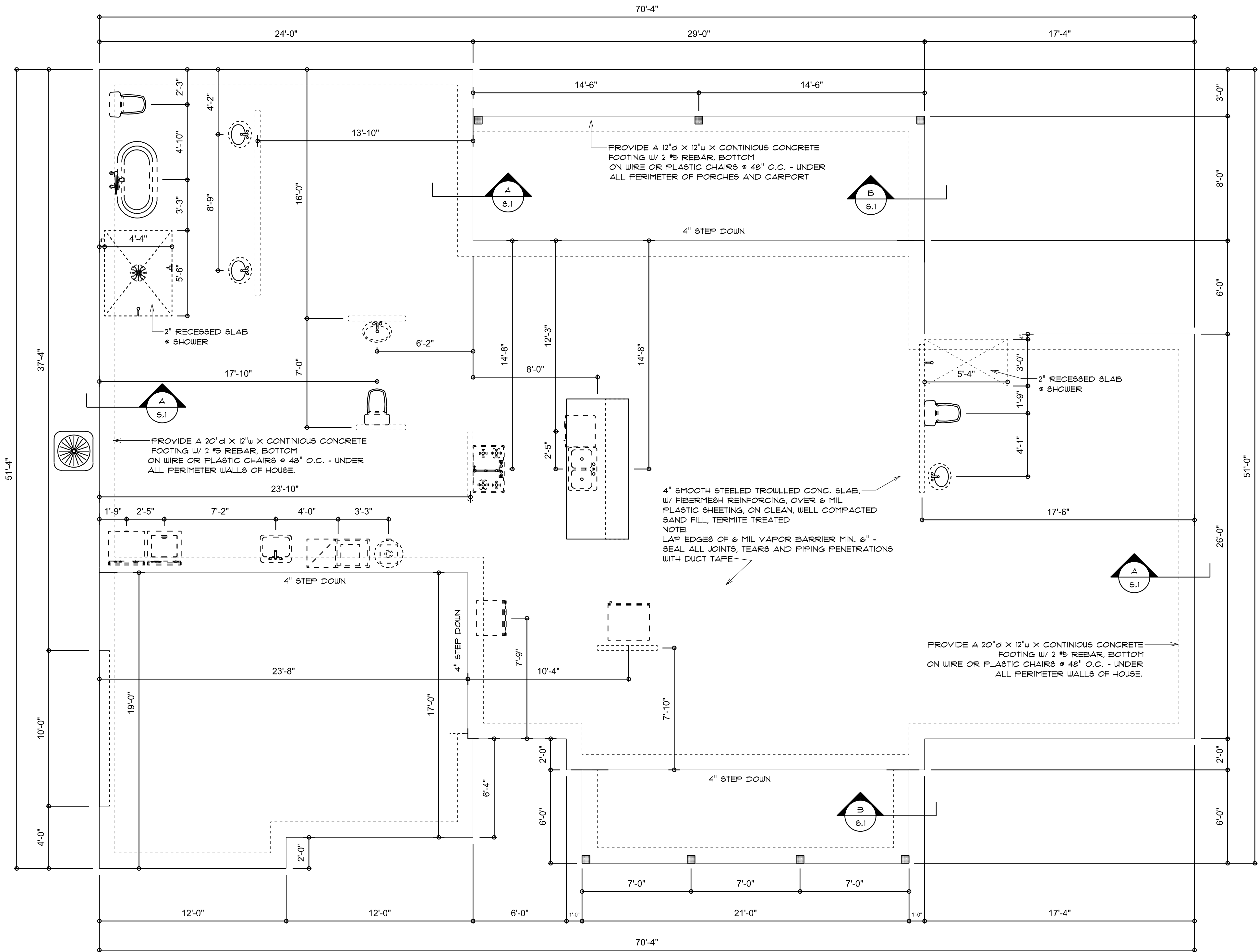
4" THK. 3000 PSI CONCRETE SLAB
W/ FIBERMESH CONCRETE ADDITIVE,
OVER TREATED, CLEAN COMPACTED FILL

SECTION

SCALE: not to scale

B
S.1

2 - #5 BARS
CONTINUOUS
ON WIRE/PLASTIC
CHAIRS @ 48" O.C.



FOUNDATION PLAN

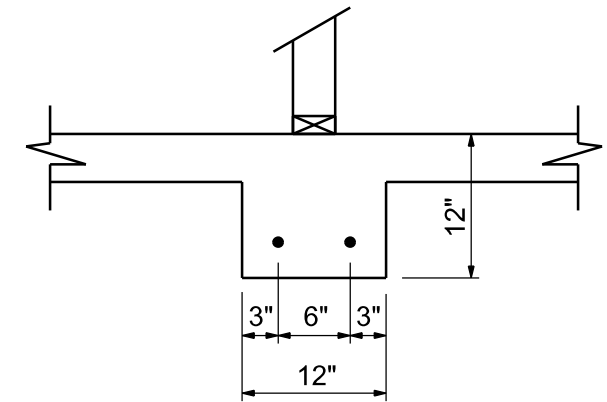
SCALE: 1/4" = 1'-0"

NOTE:
THE DESIGN WIND SPEED FOR THIS
PROJECT IS 130 MPH PER FBC 1609
AND LOCAL JURISDICTION REQUIREMENTS

NOTE:
ADDED FILL SHALL BE APPLIED IN 8" LIFTS -
EACH LIFT SHALL BE COMPACTED TO 98% DRY
COMPACTION PER THE "MODIFIED PROCTOR"
METHOD.

NOTE:
PROVIDE A MINIMUM OF TWO OPENINGS HAVING A TOTAL NET AREA
OF NOT LESS THAN ONE SQUARE INCH FOR EVERY SQUARE FOOT OF
ENCLOSED AREA SUBJECT TO FLOODING

NOTE:
THE PROJECT IS DESIGNED IN ACCORDANCE WITH ASCE 24



INTERIOR
BEARING FT'G

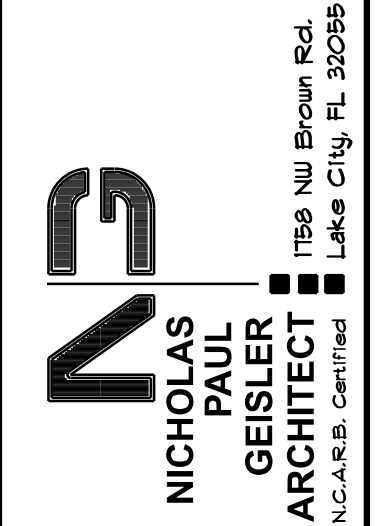
SCALE: 3/4" = 1'-0"

C
S.1

REVISIONS
Dec. 21st, 2023



CUSTOM HOME FOR:
NELSON RESIDENCE
COLUMBIA COUNTY, FLORIDA



SHEET NUMBER

S.1
OF 4 SHEETS

N. P.
GEISLER

Digitally signed by N. P. GEISLER
DN: cn=N. P. GEISLER email=
npgisler17@gmail.com c=US o=
= ARCHITECT OU= AR0007005
Date: 2023.12.12 10:50:45 -0500

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