

3RD GARAGE

EGRESS

4TH BEDROOM

SMOKE
DETECTOR

MASTER BEDROOM

EXISTING

EXISTING

EGRESS



COMPONENTS AND CLADDING

2. 10% of sand horizontal diam. or 0.60, whichever is smaller, but not less than either 4% of sand horizontal diameter or 3 ft. for mean roof height, in fact.

STRUCTURAL DESIGN CRITERIA

CODES

NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2018 EDITION
APA PLYWOOD DESIGN SPECIFICATION

WIND LOADS:
(F.B.C.)

ALL CONCRETE UNLESS OTHERWISE INDICATED
PEA GRAVEL CONCRETE FOR MASONRY CELLS ONLY
DO NOT USE FOR CONCRETE COLUMNS OR THE BEAMS

WELDED WIRE FABRIC SHALL CONFORM TO ALL REINFORCING BARS -

ASTM A615-40 40,000 PSI

ALL STRUCTURAL AND MISCELLANEOUS STEEL A36, 36,000 PSI U.N.C. TRADE AND PER. 3/8" OR THICKER. 10" OR THICKER.

WOOD FRAMING: BEAMS, RAFTERS, JOIST PLATES, ETC., U.N.O.

FLOOR SPECIFICATIONS: 1.50 MC GROUP 1 APPROVED (AS2)
WALL SHEATHING: PLYWOOD C-C-C-D, EXTERIOR OR OSB

DISCUSSION:

ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMACTION: 1,500 PSF

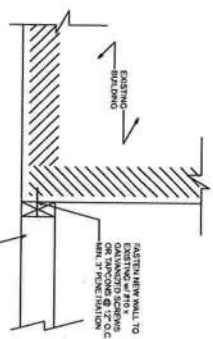
ASSUMED AVAILABLE SOIL BEARING PRESSURE AFTER COMPACTION: 1,500 PSF
SEE SOILS REPORT AND SPECIFICATIONS FOR CONSTRUCTION REQUIREMENTS
IF SOIL CONDITIONS IN THE PROJECT DO NOT MEET OR EXCEED THE CAPACITY
THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO
FOUNDATION POLE FOR VERIFICATION OF FOUNDATION DESIGN.

TRADEMARK
Construction Group, Inc.

CONTACT: 800-451-4511

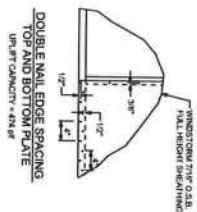
CERTIFICATE OF AUTHORIZATION

PERIODICITY



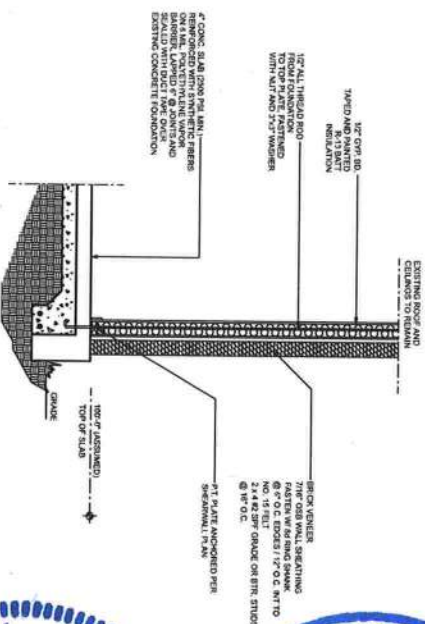
NEW-TO-EXISTING WALL CONNECTION

SCALE: 2" = 1'-0"

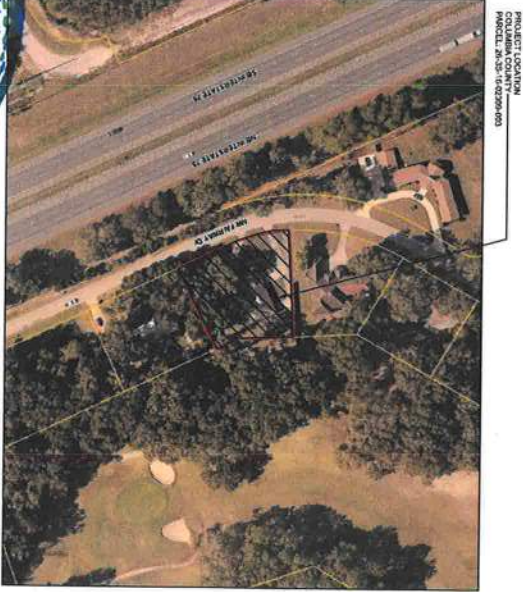


DOUBLE NAIL EDGE SPACING
TOP AND BOTTOM PLATE

UPH. 9T CAPACITY = 474 p



WALL SECTION

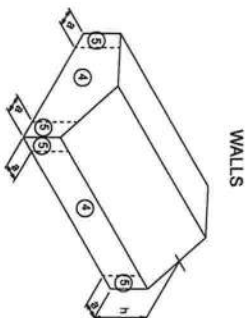
$$3/4'' = 1'-0''$$


TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD

- [illegible]

| FLOOR AND ROOF LIVE LOADS | |
|-------------------------------------|------------------------------|
| UNINHABITABLE ATTICS: | 20 PSF |
| HABITABLE ATTICS, BEDROOM: | 30 PSF |
| ALL OTHER ROOMS: | 40 PSF |
| GARAGE: | 40 PSF |
| ROOF-S: | 20 PSF UNIFORM |
| WIND DESIGN DATA | |
| ULTIMATE WIND SPEED: | 125 MPH |
| NOMINAL (BASIC) WIND SPEED: | 97 MPH |
| RISK CATEGORY: | II |
| WIND EXPOSURE: | B |
| ENCLOSURE CLASSIFICATION: | ENCLOSED |
| INTERNAL PRESSURE COEFFICIENT: | 0.18 +/- |
| COMPONENTS AND CLADDING | |
| ROOFING ZONE 1: | 16.0 PSF MAX. -17.0 PSF MIN. |
| ROOFING ZONE 2: | 16.0 PSF MAX. -19.6 PSF MIN. |
| ROOFING ZONE 3: | 16.0 PSF MAX. -19.6 PSF MIN. |
| ROOFING AT ZONE 2 OVERHANGS: | -28.8 PSF MIN. |
| ROOFING AT ZONE 3 OVERHANGS: | -28.8 PSF MIN. |
| STUCCO, CLADDING, DOORS AND WINDOWS | |
| ROOFING ZONE 4: | 17.0 PSF MAX. -18.6 PSF MIN. |
| ROOFING ZONE 6: | 17.0 PSF MAX. -22.7 PSF MIN. |
| 9" WIDE O/H DR: | 16.0 PSF MAX. -16.9 PSF MIN. |
| 16" WIDE O/H DR: | 16.0 PSF MAX. -16.0 PSF MIN. |



COMPONENTS AND CLADDING

STRUCTURAL DESIGN CRITERIA

CONES: FLORIDA BUILDING CODE 8TH EDITION (2023)
BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS
BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2018 EDITION
APA PLYWOOD DESIGN SPECIFICATION

WIND LOADS: WIND LOADS BASED ON FBC, SECTION 1609
(F.B.C.) WIND VELOCITY: 125 M.P.H., USE FACTOR: 1.0

| CONCRETE STRENGTH @ 28 DAYS | ALL CONCRETE UNLESS OTHERWISE INDICATED PEA GRAVEL CONCRETE FOR MASONRY CELLS ONLY (DO NOT USE FOR CONCRETE COLUMNS OR TIE BEAMS) | 2500 PSI 3000 PSI |
|-----------------------------|---|----------------------|
|-----------------------------|---|----------------------|

REINFORCING: WELDED WIRE FABRIC SHALL CONFORM TO ALL REINFORCING BARS ALL STIRRUPS AND TIES

ASTM A195
ASTM A615-40 40,000 PSI
ASTM A615-40 40,000 PSI

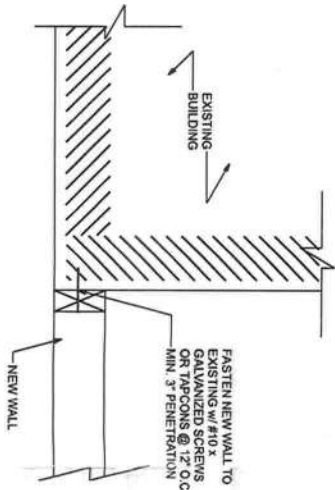
ALL STRUCTURAL AND MISCELLANEOUS STEEL A36 36,000 PSI, U.N.O.
SHOP AND FIELD WELDS: E70XX ELECTRODES
ALL PORTS CAST IN CONCRETE WITH 4000 PSI STRENGTH

WOOD FRAMING

NO. 2 SOUTHERN YELLOW PINE (19% M.C.)
ROOF DECK: PLYWOOD C-C/D, EXTERIOR, α OSB
FLOOR SHEATHING: TAG-A-C GROUP 1 APA RATED (48/24)
WALL SHEATHING: PLYWOOD C-C/D, EXTERIOR OR OSB
VERSALAM BEAM PF = 2600 PSI (2.0E)
WOOD COLS. PARALLAM 2.0E UNO.
DESIGN LOADS:

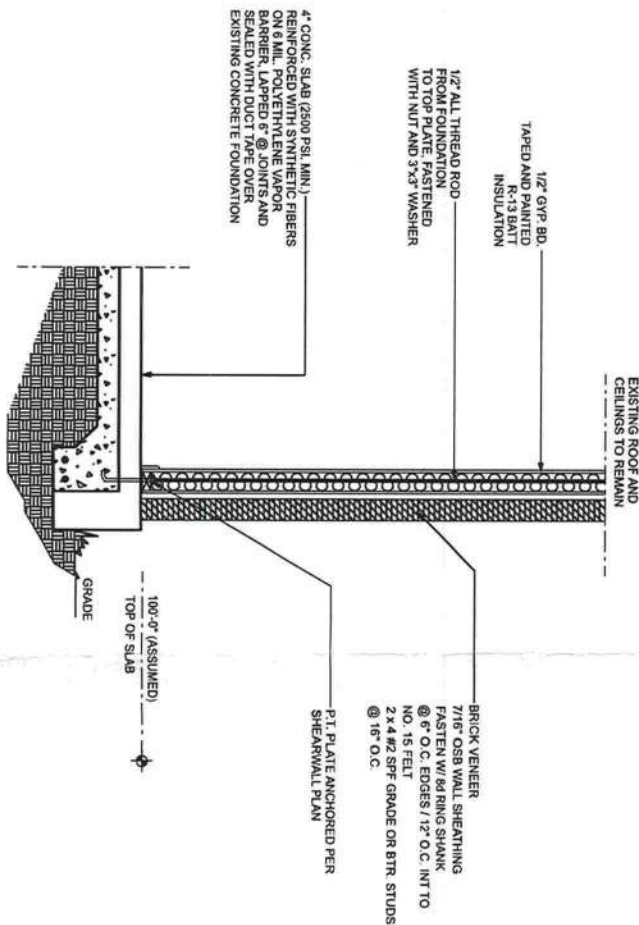
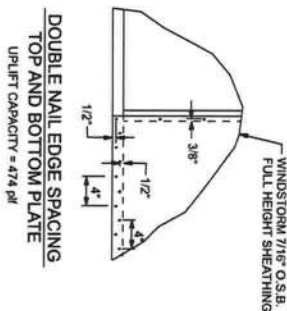
SOIL BEARING
VALUE:

ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: 1,500 PSF
SEE SOILS REPORT AND SPECIFICATIONS FOR COMPACTION REQUIREMENTS
IF SOIL CONDITIONS IN THE PROJECT DO NOT MEET OR EXCEED THE CAPACITY
THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO
FOUNDATION POUR FOR VERIFICATION OF FOUNDATION DESIGN.

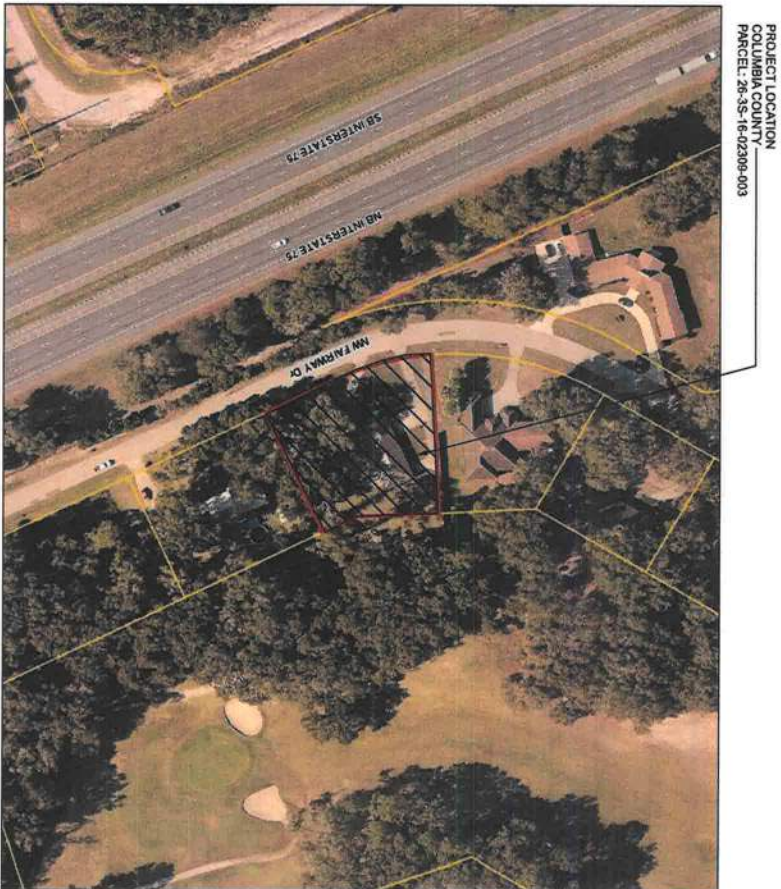


NEW-TO-EXISTING WALL CONNECTION

SCALE: 2" = 1'-0"



WALL SECTION

 $3/4" = 1'-0"$ 

PROJECT LOCATION
COLUMBIA COUNTY _____
PARCEL: 26-3S-16-02309-003

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT SIGN WHICH IDENTIFIES THE TREATMENT TREATMENT PROVIDER AND NEEDED FOR RENESTRATION AND TREATMENT CONTRACT RENEWAL SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6
2. CONDENSATE AND RAIN DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1603.4.4
3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY NOZZLES SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1603.4.4
4. TO PROVIDE FOR INSPECTION FOR TERMITTE INFESTATION BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE THINNER THAN 6" COVERED BY A 12" DECAVATIVE ELEMENTS NOT LESS THAN 18" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6
5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1616.1.1
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1616.1.2
7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF PERMANENT TREATMENT SHALL BE REFINISHED WITH A CONCRETE FLOOR FINISH TO MATCH THE PERMANENT TREATMENT. FBC 1616.1.3
8. MINIMUM 6 MIL VAPOR BARRIER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION IF RAINFALL OCCURS BEFORE VAPOR BARRIER PLACEMENT. RETREATMENT IS REQUIRED. FBC 1616.1.4
9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1616.1.5
10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1616.1.6
11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1616.1.6
12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1616.1.7
13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS BEEN RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF TERMITTE INFESTATION IN ACCORDANCE WITH THE FLORIDA BUILDING CODE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1616.1.7
14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BUILDING AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
15. WITHIN 15'-0", VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURNED OR REMOVED FROM ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

| REVISIONS | | |
|-----------|----|-------------|
| DATE | BY | DESCRIPTION |

REVISIONS
DESCRIBE

DESIGN BY:

CERTIFIED GENERAL CONTRACTOR

RONALD

JOHNSON, P.E.

CERTIFICATE OF AUTHORIZATION

NO. 96204

2227 NW FAIRWAY DR

PHONE: 286 357 5045

DRAWN BY:

TM

APPROVED BY:

R.1

JOHNSON REMODEL

PROJECT NO.:

SHEET: