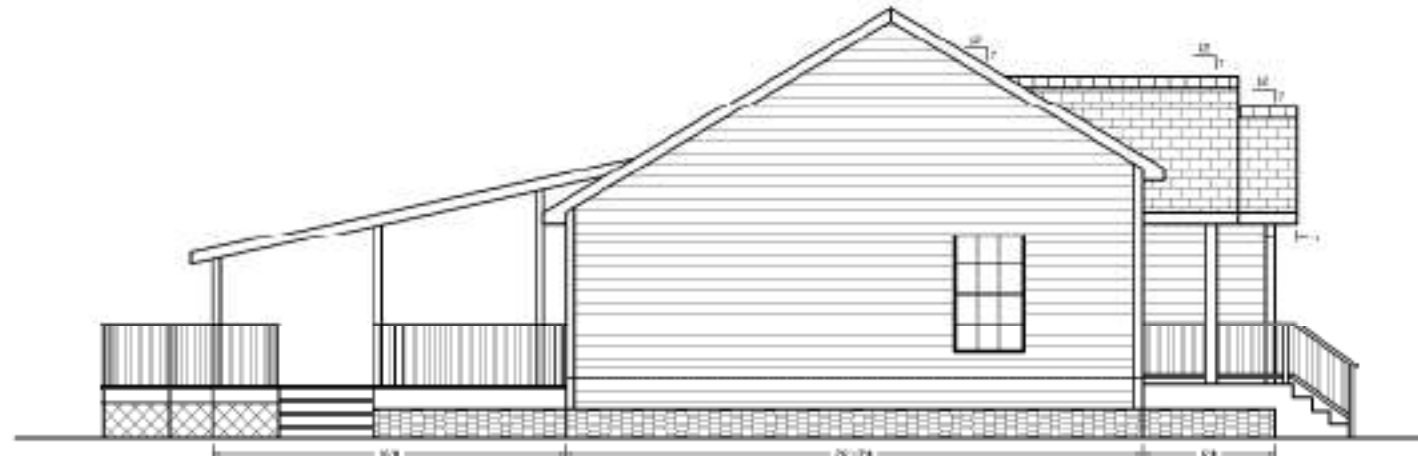


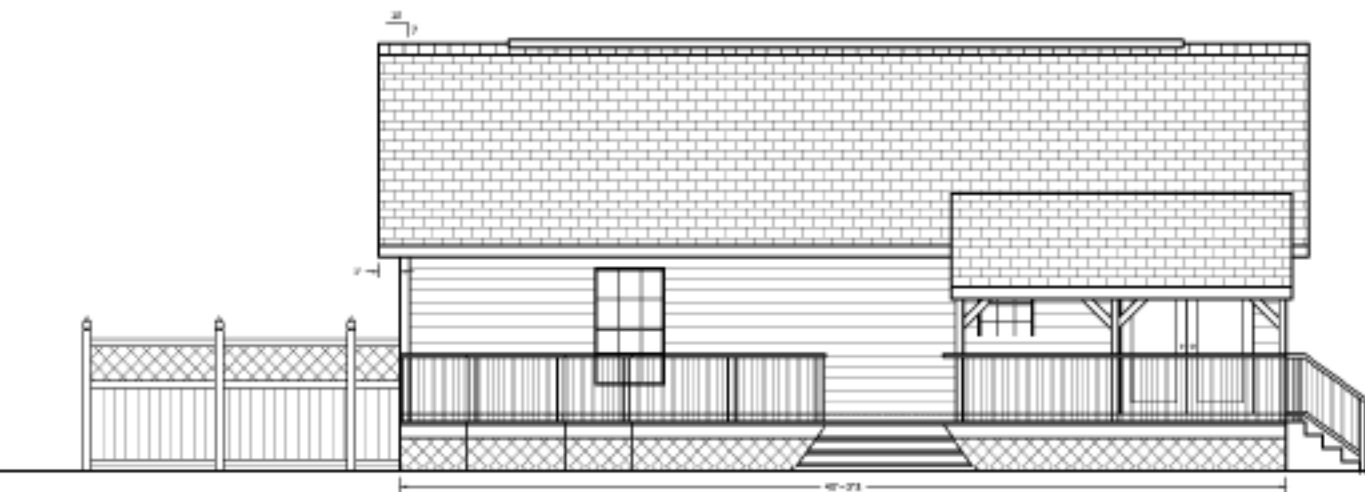
EXISTING BUILDING PLAN
SCALE: 1/4" = 1'-0"



EXISTING RIGHT ELEVATION
SCALE: 1/4" = 1'-0"



EXISTING LEFT ELEVATION
SCALE: 1/4" = 1'-0"



EXISTING BACK ELEVATION
SCALE: 1/4" = 1'-0"



EXISTING FRONT ELEVATION
SCALE: 1/4" = 1'-0"

Daniel F. Ardito, P.E.
Florida Reg. No. 36164

| | |
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| DATE: | TEXT |
| REVISION: | TEXT |

| | |
|-------------|----|
| DRAWN BY: | DA |
| JOB NUMBER: | |

Daniel F. Ardito, P.E.
Professional Engineer
1844 S. PALM BLVD., SUITE 100
CORAL GABLES, FL 33134

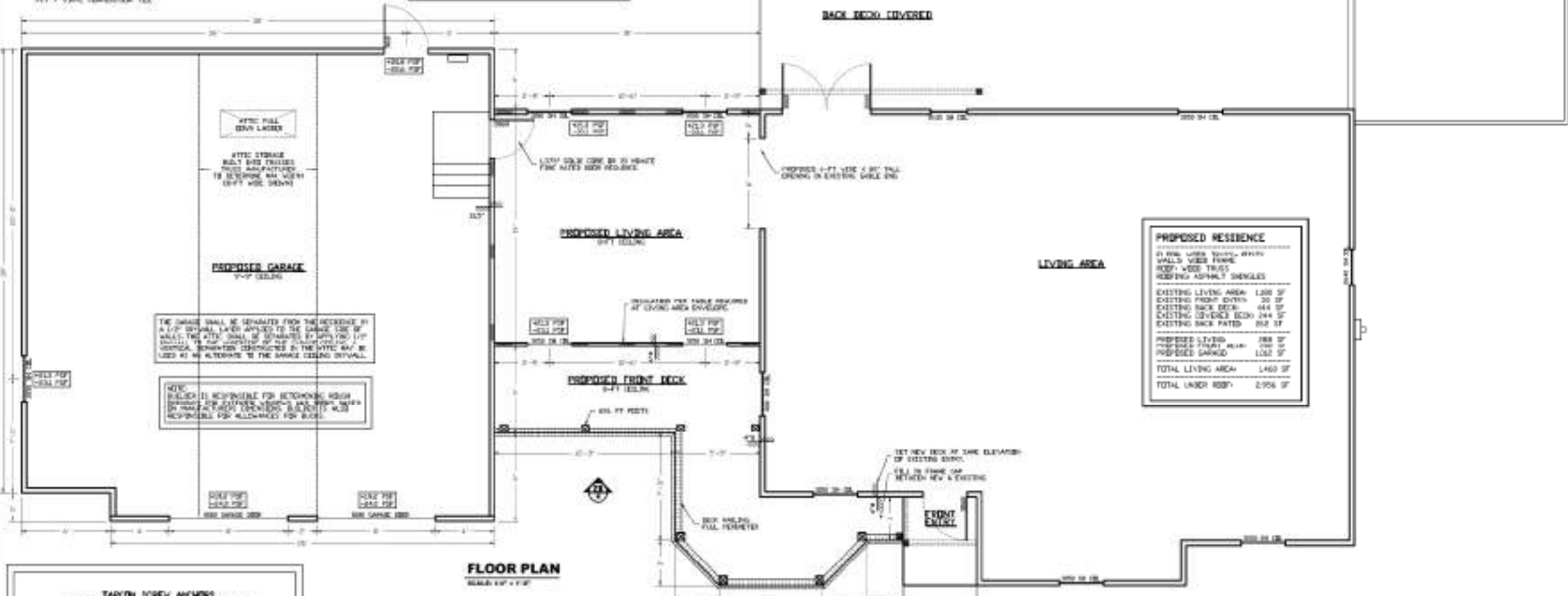
SHEET TITLE: **EXISTING BUILDING**

JOB NAME: **RESIDENCE GARAGE ADDITION**
HERNANDON, FL

| | |
|-------|---|
| SHEET | 1 |
| OF | 9 |

ROOM FINISH SCHEDULE table with columns: ROOM NAME, WALLS, FLOOR, CEILING, CASE, DOOR, NOTES.

INSULATING SHEET PILING PER FLORIDA BUILDING CODE - 2019... INSULATION FOR TYPICAL ROOMS AT LIVING AREA DIVISOR.



FLOOR PLAN (SCALE: 1/4" = 1'-0")

TAPCON BOLT ANCHORS... GARAGE DOOR BUCK FASTENING... 2) ANCHOR THE VEEBOLTS TO THE CONCRETE OR MASONRY WITH 3/8" DIA. 1/2" L-PLATE...

DESIGN CRITERIA table containing wind speed, design pressures, and component & cladding design pressures (alpha = 40°).

GENERAL NOTES

1) ALL WORK SHALL BE IN COMPLIANCE WITH FLORIDA BUILDING CODE-2019... 2) THESE DRAWINGS HAVE BEEN PREPARED WITH THE ASSUMPTION THAT ALL SYSTEMS WILL BE INSTALLED BY QUALIFIED PROFESSIONALS... 3) MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS...

CONSTRUCTION

1) USE PROPERLY BRIDGED SHORING, BRACKETS, UNDERPINNING, ETC. AS REQUIRED BY CONDITIONS... 2) MAKE ALL WALLS VERTICAL (CONSTRAINT TO PREVENT SLAB FROM MOVING... 3) REINFORCING SHALL BE PLACED IN ANY STRUCTURAL MEMBER... 4) PROVIDE SLOTTED LAYERS FOR ALL PIPES AND ELECTRICAL PENETRATIONS...

FOUNDATION

1) FOUNDATION DESIGN IS BASED ON THE USE OF FOOTINGS AT A BOUNDARY SOIL PRESSURE OF 2,000 POUNDS PER SQUARE FOOT... 2) ALL REINFORCING STEEL SHALL CONFORM TO STANDARDS OF WITH AS PER S10-10.2.3... 3) ALL CONCRETE SHALL BE CONSOLIDATED IN PLACE USING INTERNAL VIBRATION...

STRUCTURAL CONCRETE

1) PROVIDE CONCRETE TO OBTAIN THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 2) SLABS ON GRADE BY FULL: 2,000 PSI... 3) CONCRETE SHALL BE CONSOLIDATED IN PLACE USING INTERNAL VIBRATION... 4) ALL REINFORCING STEEL SHALL CONFORM TO STANDARDS OF WITH AS PER S10-10.2.3...

REINFORCING STEEL

1) ALL REINFORCING STEEL SHALL CONFORM TO STANDARDS OF WITH AS PER S10-10.2.3... 2) ALL REINFORCING DETAILS SHALL CONFORM TO MANUAL OF STANDARD PRACTICE FOR REINFORCING STRUCTURAL CONCRETE...

CONCRETE MASONRY

1) ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES... 2) COMPRESSIVE STRENGTH OF THE MASONRY SHALL EQUAL, OR EXCEED, Fm - FOR FULL DETERMINATION OF COMPRESSIVE STRENGTH SHALL BE BASED ON THE LAST STRENGTH TEST... 3) CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM D79 TYPE S-HL NORMAL WEIGHT... 4) MORTAR SHALL CONFORM TO ASTM C270, TYPE S SHALL BE USED FOR ALL WORK IN CONTACT WITH THE GROUND... 5) FOR BLOCKS MASONRY THE STRENGTH OF JOINTS DETERMINED IN ACCORDANCE WITH THE PROVISIONS OF ASTM C900 SHALL BE AT LEAST EQUAL TO Fm BUT NOT LESS THAN 50% Fm... 6) REINFORCING BARS SHALL CONFORM TO GRADE 60 UNLESS NOTED OTHERWISE... 7) HORIZONTAL JOINT REINFORCEMENT SHALL CONFORM TO ASTM A618 MANUFACTURED IN A SECTION 3.01.4 OF AISC 360-PROVIDE S-H-H... 8) WHERE VERTICAL CELLS ARE SHOWN REINFORCED AND FILLED, CONDUCTIVE WITH CELLS ALIGNED AND SPACED WITH JOINTS NOTWIDE 48" TO PREVENT THE SPREAD OF SMOKE BEYOND MOVED CELLS... 9) GENERAL ANCHORS, WALL FLASCS, ACCESSORIES AND OTHER MISCELLANEOUS ITEMS SHALL BE INSTALLED AS THE MASONRY WORK PROGRESSES... 10) ALL STEPS/HALLS SHALL BE REINFORCED SOLID FROM THE FOOTING TO THE FINISHED SLAB ON GRADE AND SHALL INCLUDE 1-#6 CONTINUOUS AT THE FLOOR LEVEL... 11) STORE BLOCKS ON PALLETS AND COVER WITH VEHICLES... 12) USE ALL NORTH WITHIN 2 HOURS OF SETTING... 13) EXTERIOR STUCCO SHALL BE APPLIED IN CO-CONT TO THE MASONRY SURFACES... 14) PAINTING: PAINT ALL INTERIOR BRICK/VAULT SURFACES WITH CO-CONT FLAT LATCH EXCEPT FOR RESTROOMS... 15) PAINT ALL EXTERIOR STUCCO SURFACES WITH CO-CONT SEALER & CO-CONT FLAT LATCH EXTERIOR GLOSS... 16) ALL INTERIOR VEED TIES TO RECEIVE CO-CONT FINISH & CO-CONT SMOOTHED ENAMEL... 17) EXTERIOR STEEL JOISTS TO RECEIVE CO-COAT FINISH & CO-CONT OF EXTERIOR GRADE FINISH... 18) ALL EXTERIOR BENCH SHALL HAVE BOTTEN SWEETS & FULL WEATHER STOPPING... 19) ASPHALT DRIVE/OILCHUTE NOTICE: ASPHALT DRIVE/OILCHUTE SHALL BE FINISHED TO SLOPE TO DRAIN TO EXISTING DRIVE/OILCHUTE... 20) ASPHALT DRIVE/OILCHUTE SHALL BE FINISHED IN ACCORDANCE WITH FDOT & MANUFACTURER SPECIFICATIONS... 21) ASPHALT DRIVE/OILCHUTE SHALL BE FINISHED TO SLOPE FLORIDA PRODUCT APPROVAL NUMBER... 22) ASPHALT DRIVE/OILCHUTE SHALL BE FINISHED TO SLOPE TO DRAIN TO EXISTING DRIVE/OILCHUTE... 23) STANDARD CO-TUB (CO) VEED SINGLES SHALL BE ATTACHED WITH IS-2400S CLACK... 24) DRIVE/OILCHUTE IS FINISHED TO SLOPE TO DRAIN TO EXISTING DRIVE/OILCHUTE... 25) ALL DRIVE/OILCHUTE SHALL BE FINISHED TO SLOPE TO DRAIN TO EXISTING DRIVE/OILCHUTE... 26) DRIVE/OILCHUTE SHALL BE FINISHED TO SLOPE TO DRAIN TO EXISTING DRIVE/OILCHUTE... 27) DRIVE/OILCHUTE SHALL BE FINISHED TO SLOPE TO DRAIN TO EXISTING DRIVE/OILCHUTE... 28) DRIVE/OILCHUTE SHALL BE FINISHED TO SLOPE TO DRAIN TO EXISTING DRIVE/OILCHUTE... 29) DRIVE/OILCHUTE SHALL BE FINISHED TO SLOPE TO DRAIN TO EXISTING DRIVE/OILCHUTE... 30) DRIVE/OILCHUTE SHALL BE FINISHED TO SLOPE TO DRAIN TO EXISTING DRIVE/OILCHUTE...

SHEET INFORMATION sidebar including SHEET NUMBER (3 OF 9), JOB NAME (RESIDENCE GARAGE ADDITION), SHEET TITLE (PROPOSED FLOOR PLAN), and PROJECT ADDRESS (TALLahassee, FL). Includes engineer information for Daniel F. Ardino, P.E. and a professional seal.

WOOD TRUSS NOTES:

1. ALL INFORMATION FOR A WOOD TRUSS SYSTEM SHALL BE RECEIVED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA WHO HAS CALCULATED TO BE ISSUED AND SEALED BY THE ENGINEER.
2. ALL TRUSSES TO BE DESIGNED PER APPLICABLE PROVISIONS OF THE FLORIDA BUILDING CODE-BOB (BASED ON THE 2018 IBC) SHALL BE LISTED ELSEWHERE IN THESE PLANS.
3. SUBMIT SHOP DRAWINGS SHOWING ALL STRESSES, JOINTS, CONNECTIONS OF TRUSSES TO SUPPORTS AND PERMANENT BRACING MEMBER NUMBER OF EACH BRACING OF ALL JOINTS OF 1/2" OR 3/4" DIA. INCLUDING NOTCH CORNERS OF TRUSSES BEARING MEMBERS. INDICATE ALL READING, INCLUDING ALL JOINTS, MEMBER NUMBER, MEMBER AREA, GRADE AND TRANSVERSE TO BE USED BY THE ENGINEER.
4. ALL BRACING DRAWN IN THESE PLANS ARE IN ADDITION TO BRACING REQUIRED BY TRUSS MANUFACTURER. IF TRUSS MANUFACTURER PROVIDES A CLEAR BRACING SYSTEM TO THAT TRUSS, THE MORE STRINGENT SYSTEM SHALL BE INSTALLED.
5. ALL TRUSSES SHALL BE CONSIDERED TO BE SUBJECT TO BUCKLING INSTABILITY IN ACCORDANCE WITH SPECIFICATIONS WHEN THESE PLANS SPECIFICATIONS ARE USUALLY SHOWN ON THE ROOF FRAMING PLAN AND OR TRUSS CONNECTION SCHEDULE.
6. THE ROOF FRAMING PLAN (IF PROVIDED) IS A GUIDELINE FOR TRUSS MANUFACTURER. THE EXACT GRID & TRUSS PLACEMENT SHALL BE DETERMINED BY TRUSS MANUFACTURER. ANY DAMAGED TRUSS MEMBERS, FELLER CELL LOCATION OR FOOTING PLACEMENT WILL BECOME THE RESPONSIBILITY OF THE BUILDER OR THEIR REPRESENTATIVE TO NOTIFY THE ENGINEER.

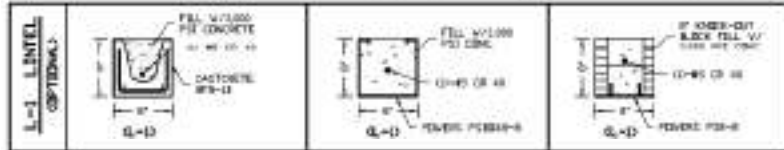
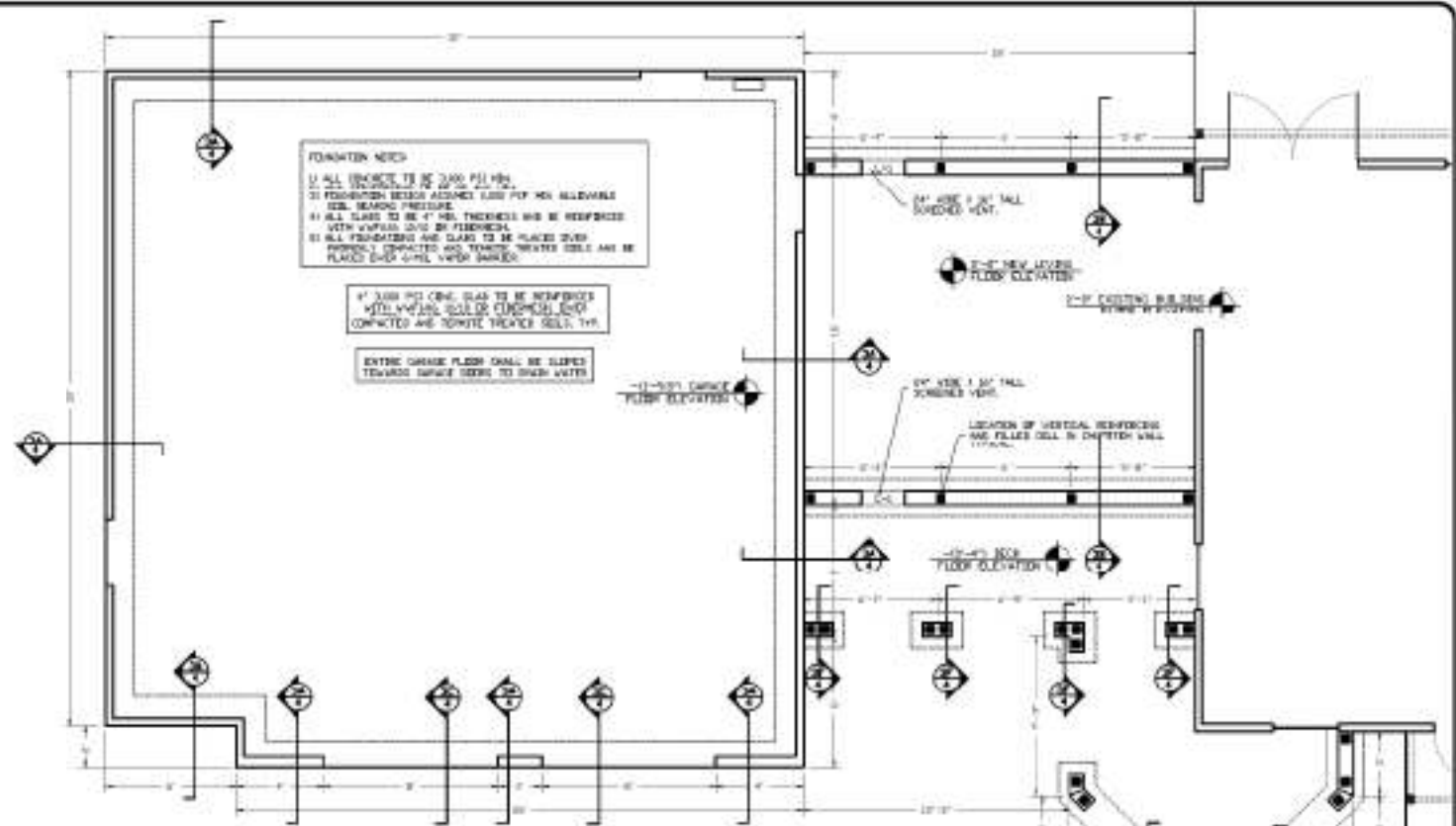
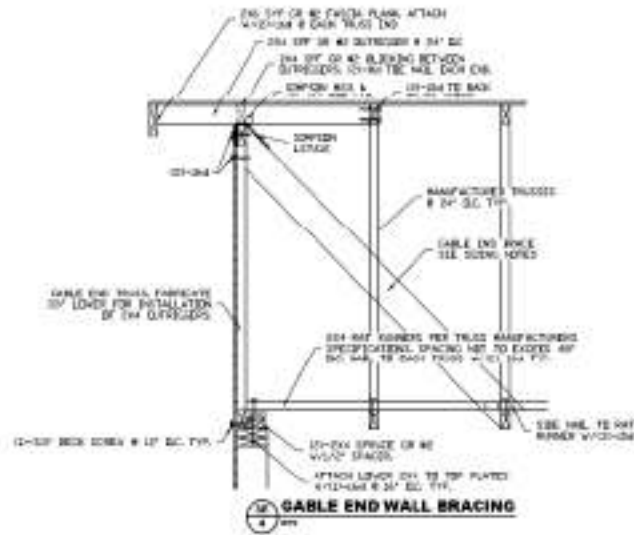
CABLE END BRACE (SEE NOTES)

1. INSTALL CABLE END BRACE # 4" DIA. AND ADJACENT TO EACH END MEMBER LEGS OF BRACE AS FOLLOWS:

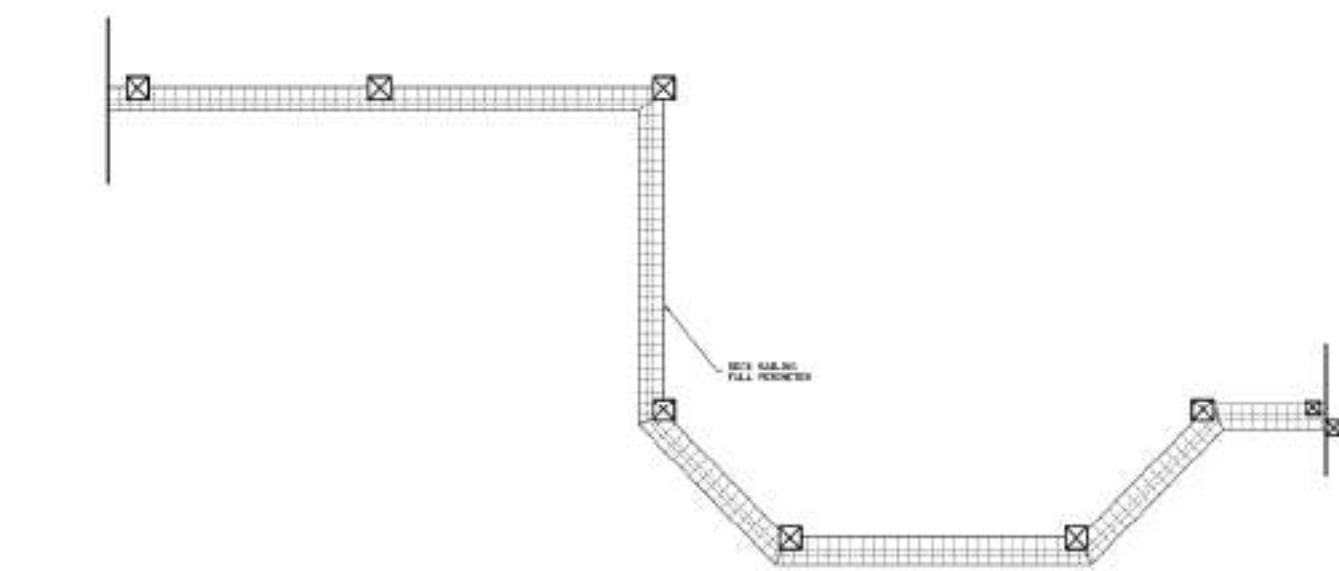
| | |
|------------|------------------------------|
| BRACE SIZE | 12" x 12" MAX. DIA. 3000 PSI |
| BRACE DIA. | 12" x 12" MAX. DIA. 3000 PSI |
| BRACE DIA. | 12" x 12" MAX. DIA. 3000 PSI |
| BRACE DIA. | 12" x 12" MAX. DIA. 3000 PSI |

2. ALL MULTIPLE BRACES TO BE STITCHED 1/2" DIA. x 24" DIA.

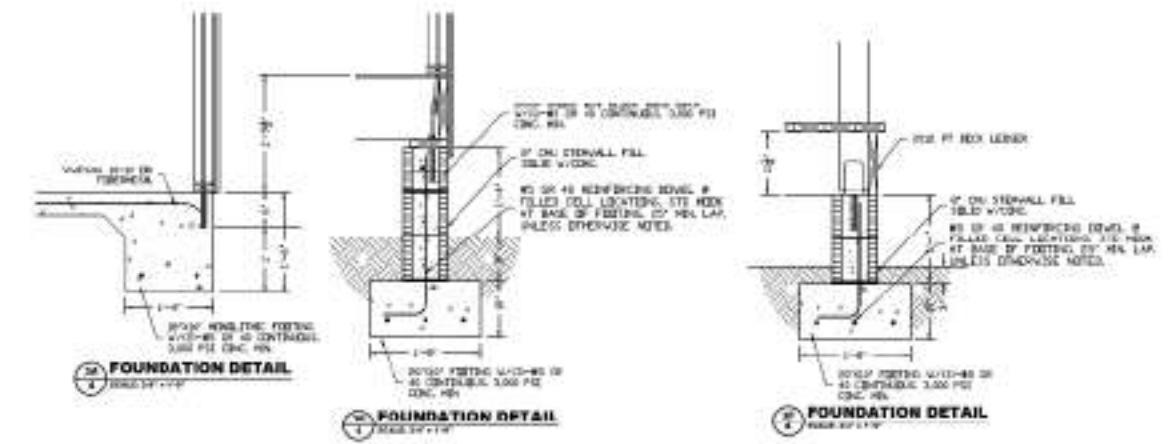
3. ALTERNATIVELY A SINGLE END BRACE MAY BE USED IF IT IS LATERALLY



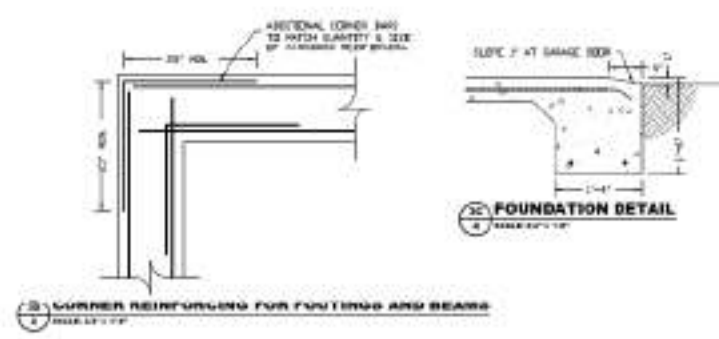
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



DECK RAILING DETAILS
SCALE: 1/2" = 1'-0"



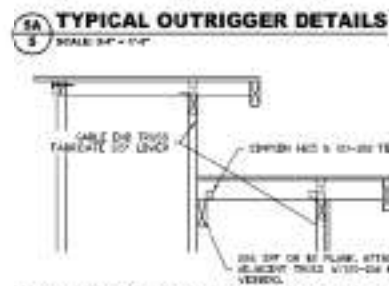
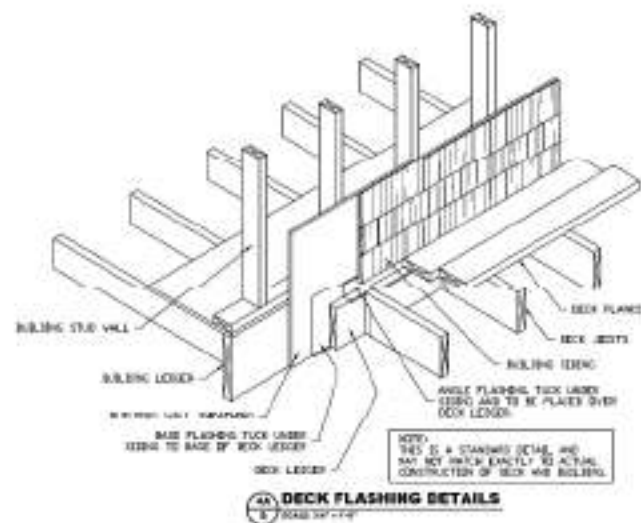
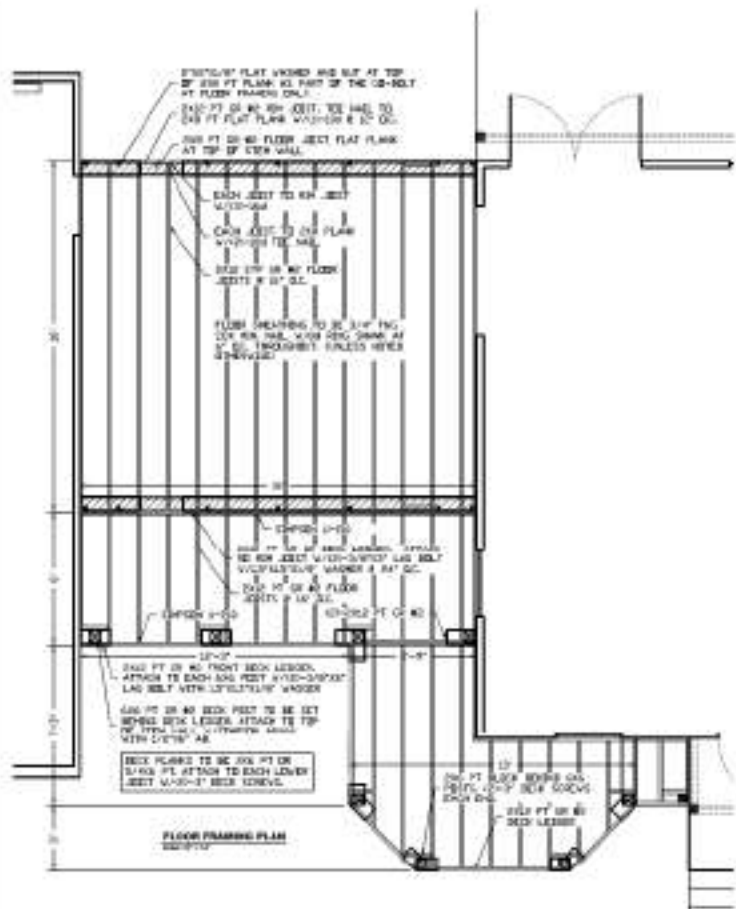
FOUNDATION DETAIL
SCALE: 1/2" = 1'-0"



CORNER REINFORCING FOR FOOTINGS AND BEAMS
SCALE: 1/2" = 1'-0"

| | | | |
|--|-----------------|---------------------------|------------------------|
| DATE TEST | DRAWN BY: DA | JOB NUMBER: JOB NUMBER | FOUNDATION PLAN |
| Daniel F. Ardito, P.E. Professional Engineer 1041 S. PALM BLVD. TAMPA, FL 33610 (813) 973-1111 | | | |
| JOB NAME: RESIDENCE GARAGE ADDITION HOLMESVILLE, FL | | | |
| SHEET 4 OF 9 | | | |

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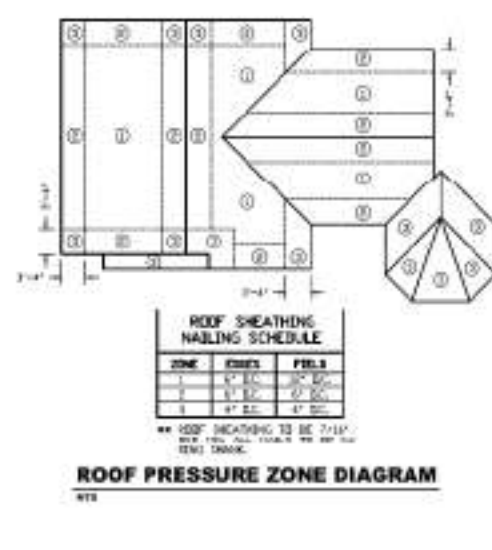
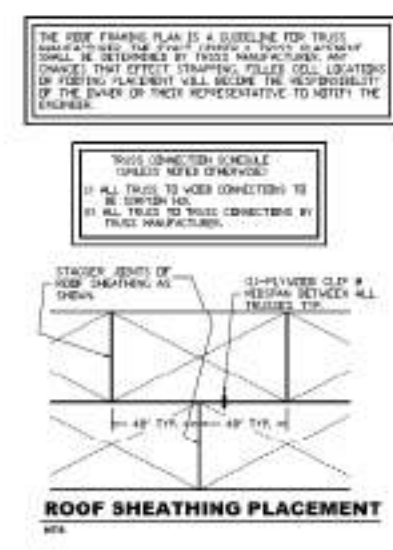
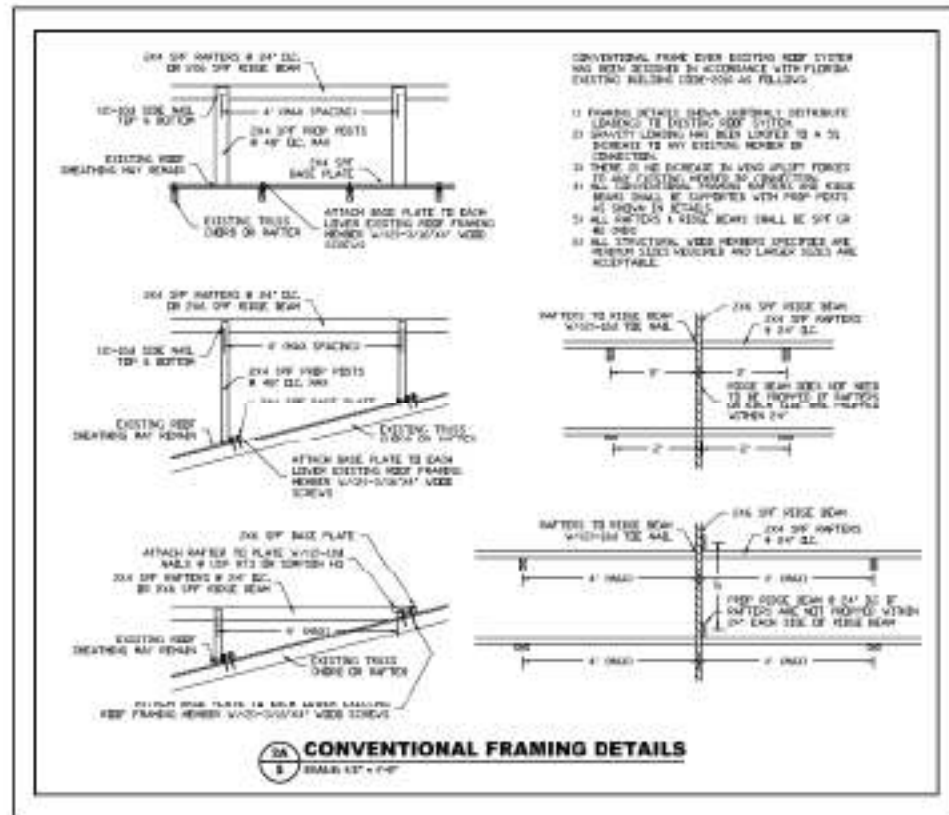
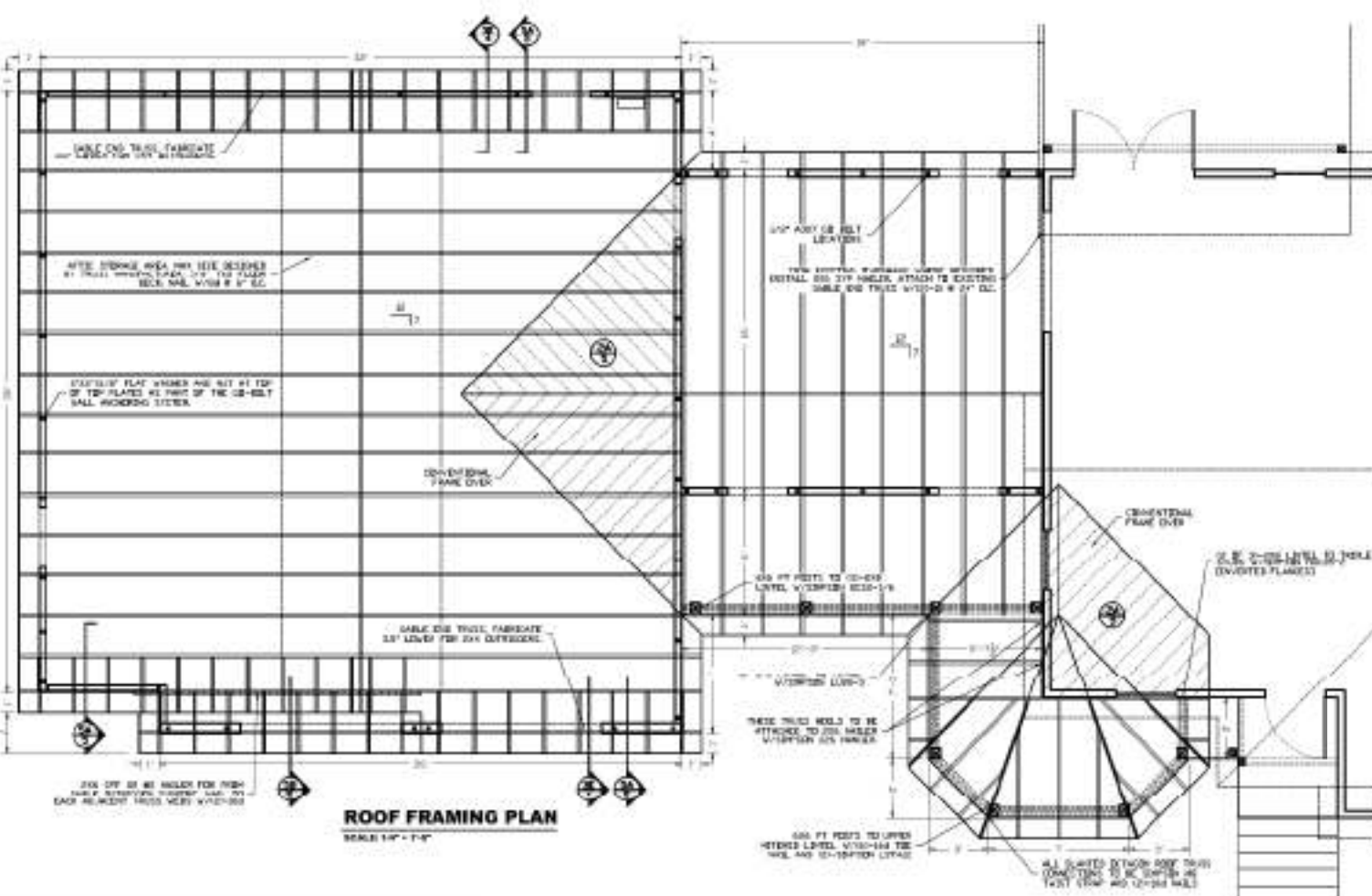


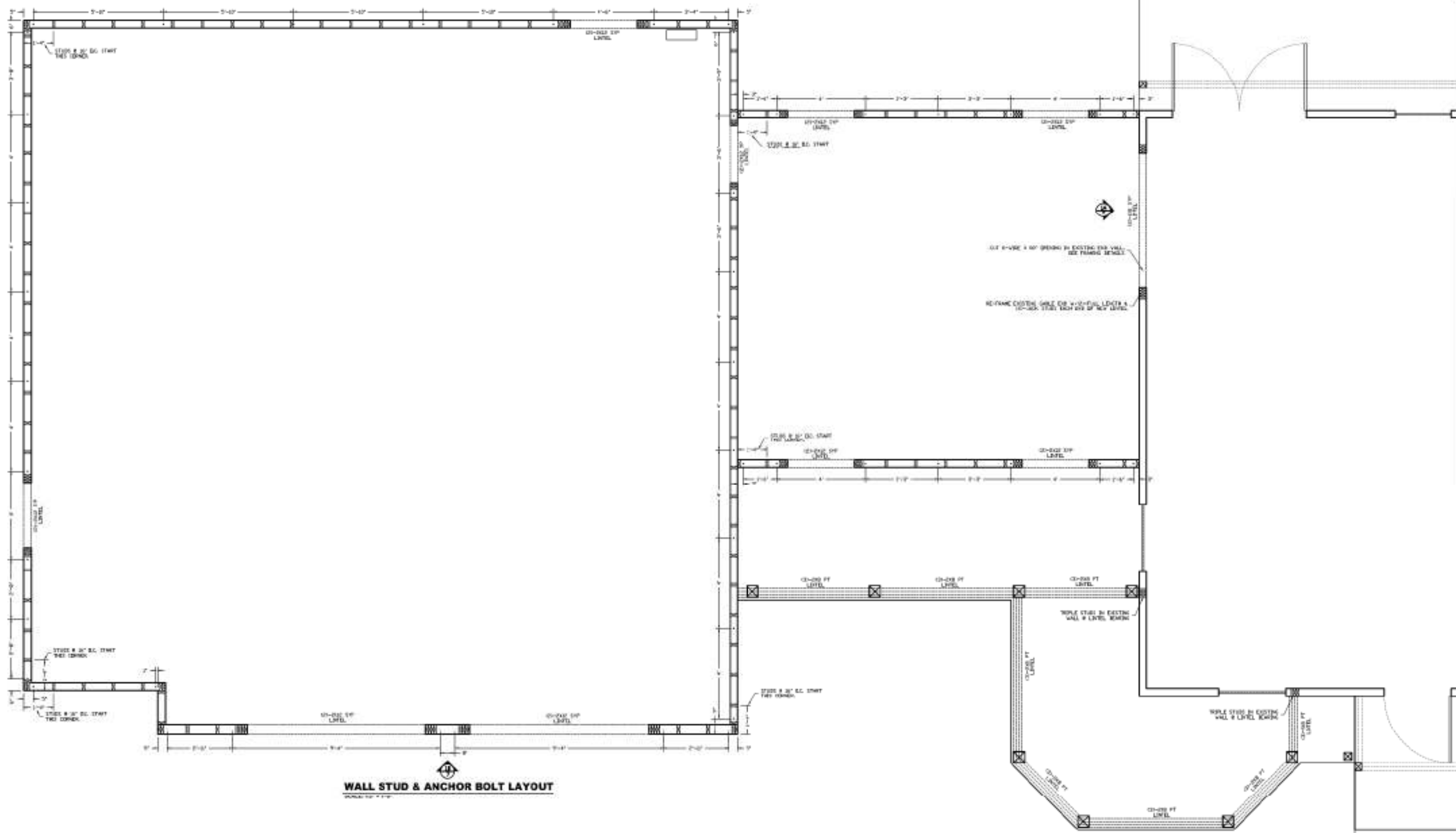
WOOD FRAME NOTES [UNLESS NOTED OTHERWISE]

- ALL STRUCTURAL WOOD FRAMING TO BE SOUTHERN YELLOW PINE OR WHITE PINE.
- ALL STEEL CONNECTIONS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- BASE PLATES SHALL BE PRECISE TYPED AND SHALL BE SUPPLIED AND SHALL BE SUPPLIED AND SHALL BE SUPPLIED.
- ALL GABLE END CONNECTIONS SHALL HAVE DOUBLE STUDS.
- ALL GABLE END STUDS SHALL BE 2"X8" UNLESS NOTED OTHERWISE.

WOOD FRAME NAILING SCHEDULE [UNLESS NOTED OTHERWISE]

| ITEM | DESCRIPTION | NAILING |
|------|--------------------------------------|-------------------|
| 1 | WALL SHEATHING TO TOP OF STUD/RAFTER | 2"X4" OR 2"X6" |
| 2 | WALL SHEATHING IN FIELD | 2"X4" OR 2"X6" |
| 3 | WOOD TRUSS TO TOP PLATE | 16D 12" ON CENTER |
| 4 | WOOD TRUSS TO STUDS | 16D 12" ON CENTER |
| 5 | WOOD TRUSS TO PLATE | 16D 12" ON CENTER |
| 6 | FLOOR JOIST TO LINDER OR FIN JOIST | 16D 12" ON CENTER |





WALL STUD & ANCHOR BOLT LAYOUT

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Florida Reg. 26104

SHEET
6
OF 9

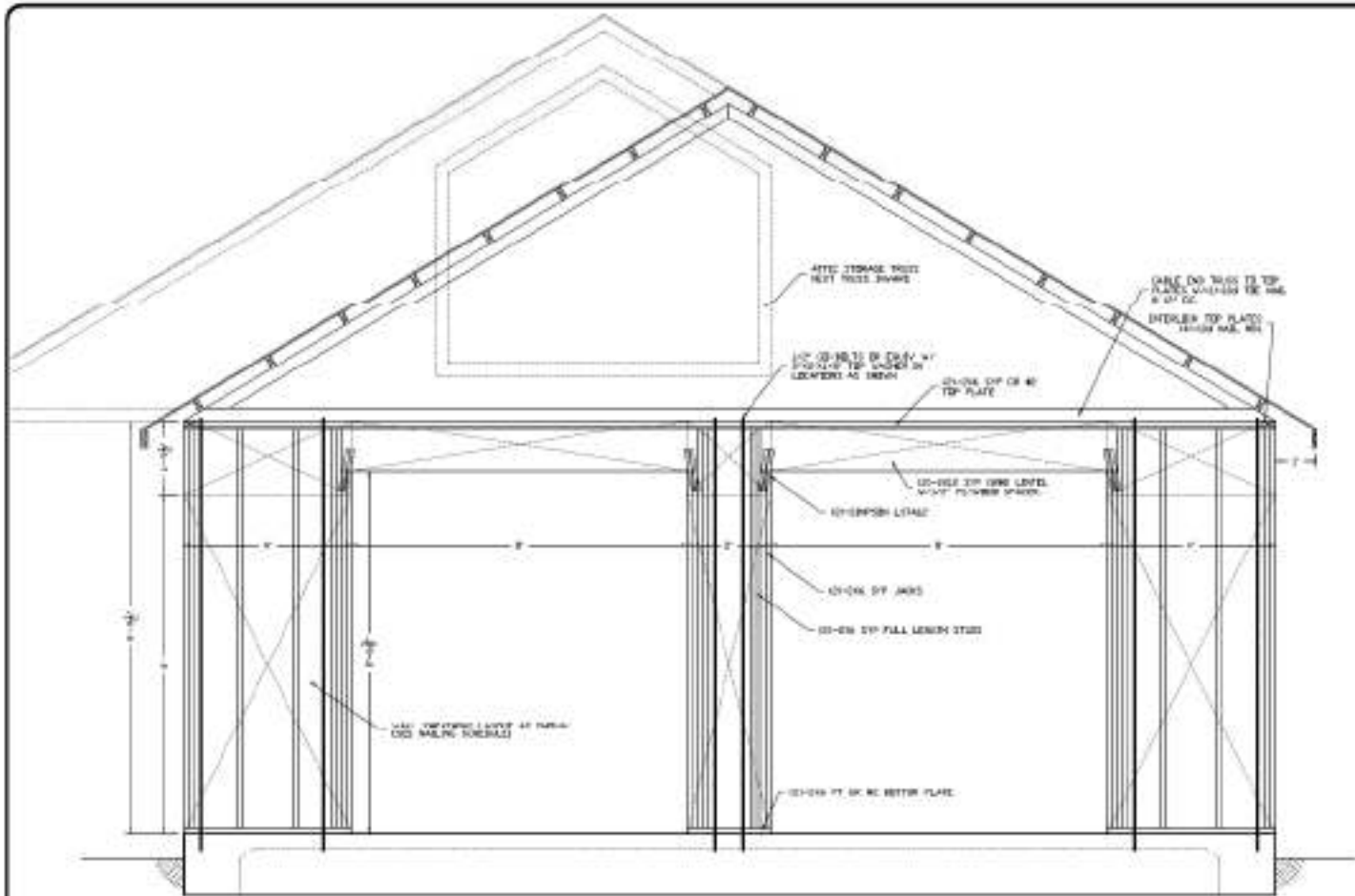
JOB NAME:
RESIDENCE GARAGE ADDITION
HOLMESVILLE, FL

SHEET TITLE:
STUDS & GO-BOLT LAYOUT

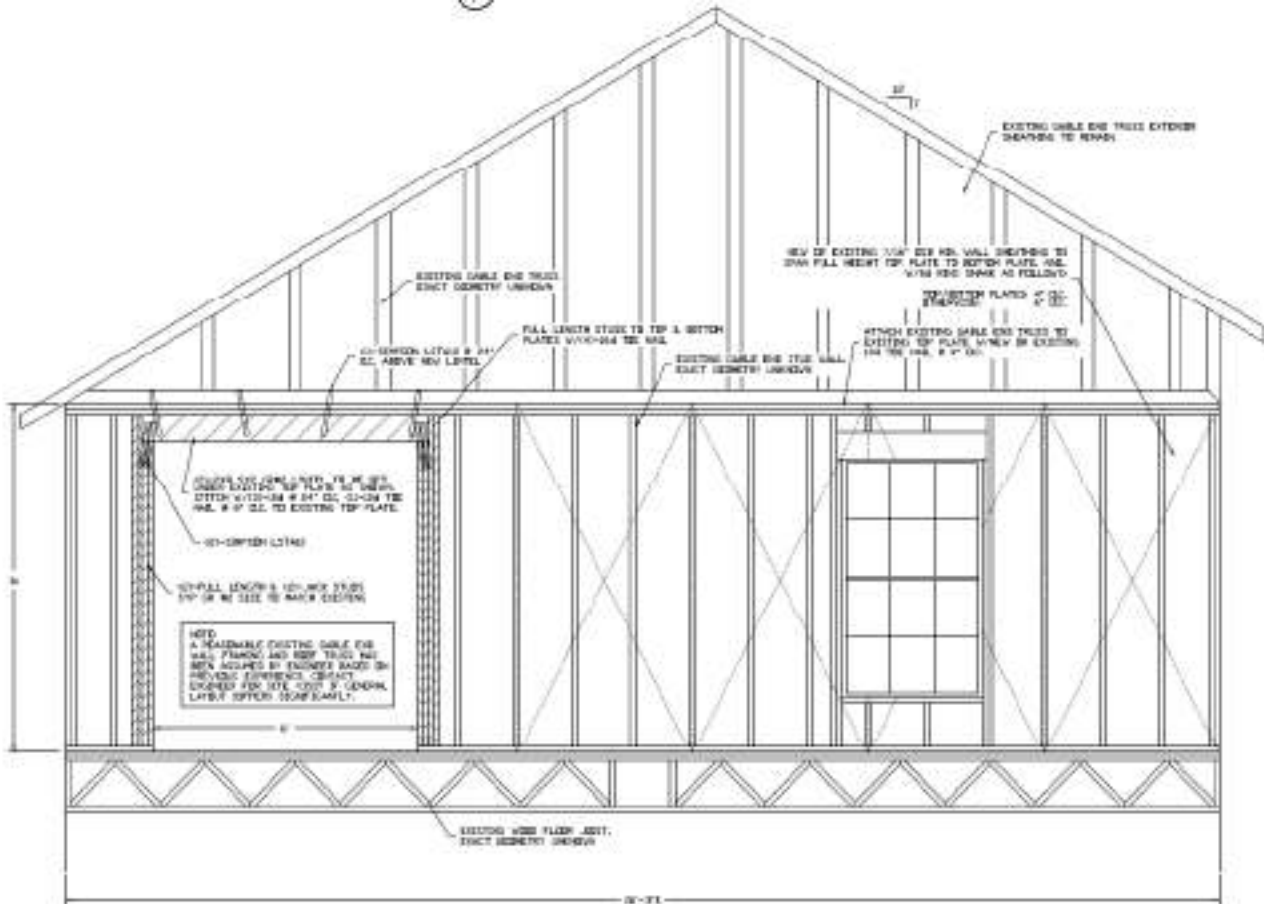
Daniel F. Ardito, P.E.
Professional Engineer
1544 S. PALMWAY PT.
LAKE WORTH, FL 33409
CEN-140-180

| | |
|-------------|----|
| DRAWN BY: | DA |
| JOB NUMBER: | |

| | |
|-------|------------|
| DATE: | 10/11/2024 |
| TIME: | |



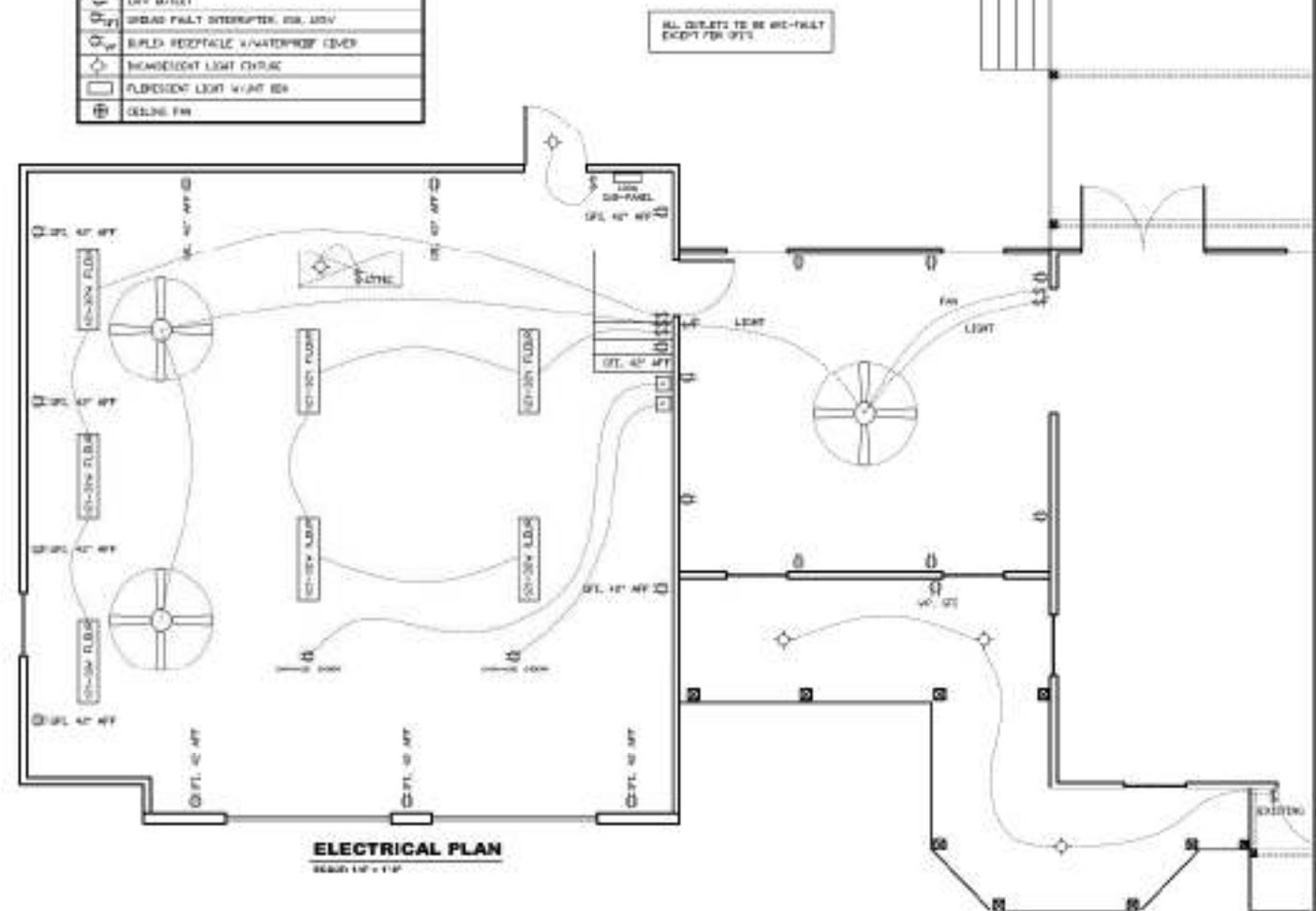
18 STUD WALL FRAMING AT GARAGE DOORS
SCALE 1/2" = 1'-0"



19 EXISTING GABLE END WALL FRAMING DETAILS
SCALE 1/2" = 1'-0"

ELECTRICAL LEGEND

| | |
|---|------------------------------------|
| ⊞ | SINGLE POLE SWITCH ON 120V/277V |
| ⊞ | THREE WAY SWITCH 120V, 277V/277V |
| ⊞ | DRY OUTLET |
| ⊞ | BROAD FAULT INTERRUPTER, 120V |
| ⊞ | ROUNDED RECTANGLE WATERPROOF COVER |
| ⊞ | INCANDESCENT LIGHT FIXTURE |
| ⊞ | FLUORESCENT LIGHT FIXTURE |
| ⊞ | RECORDING PAN |

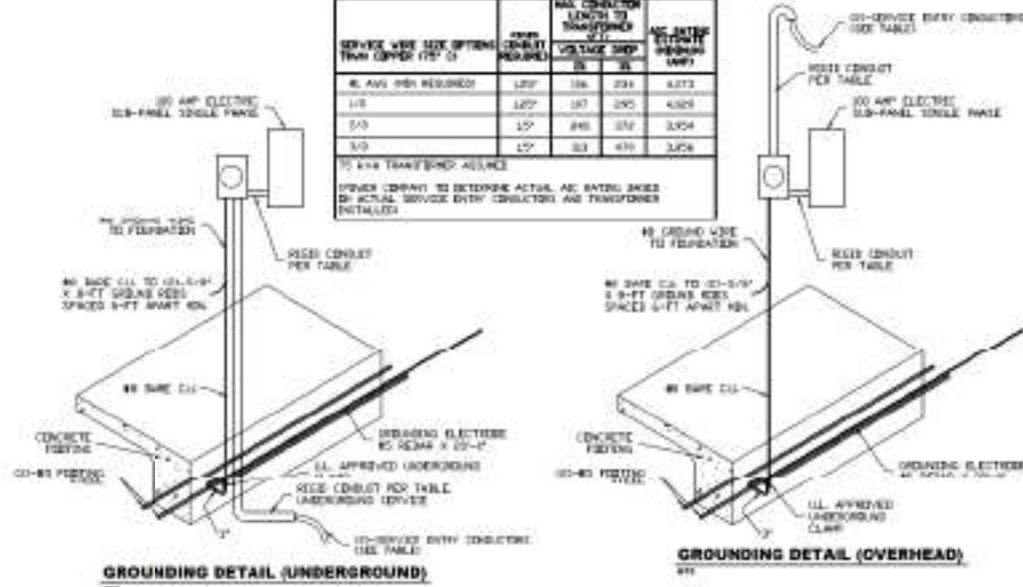


ELECTRICAL PLAN
SCALE 1/2" = 1'-0"

SERVICE ENTRY CONDUCTORS

| SERVICE VOLTAGE (V) | WIRE SIZE (AWG) | MAX. CONDUCTOR LENGTH TO TRANSFORMER (FT) | MAX. ALLOWABLE VOLTAGE DROP (%) | AC IMPEDANCE (OHMS/1000 FT) | AC IMPEDANCE PER 1000 FT (OHMS) |
|---------------------|-----------------|---|---------------------------------|-----------------------------|---------------------------------|
| 120 | 10 | 100 | 3.0 | 0.0012 | 0.12 |
| 277 | 4 | 100 | 3.0 | 0.0001 | 0.01 |

TO 400 TRANSFORMER ALLOWED
POWER COMPANY TO DETERMINE ACTUAL AC IMPEDANCE BASED ON ACTUAL SERVICE ENTRY CONDUCTORS AND TRANSFORMER INSTALLED



GROUNDING DETAIL (UNDERGROUND)

GROUNDING DETAIL (OVERHEAD)

ELECTRICAL LOAD CALCULATIONS [NEW SUB-PANEL ONLY]

| CONTINUOUS LOADS | (VA) |
|---|--------------|
| 120V LIGHTING - LIVING END OF # 12 V-1/2" | 800 |
| 120V LIGHTING - GARAGE/POOR-120V OF # 12 V-1/2" | 800 |
| SUB-TOTAL | 1,600 |

NON-CONTINUOUS LOADS

| RECEPTACLE LOADS - INCLUDED IN 120V LIGHTING | (VA) |
|--|----------|
| | 0 |
| SUB-TOTAL | 0 |

HEAT LOADS

| HEAT-LOADING (FROM OWNER) | (VA) |
|---------------------------|-------------|
| | 0.00 |
| SUB-TOTAL | 0.00 |

TOTALS

| CONTINUOUS LOADS + GFI | (VA) |
|---|--------------|
| | 1,600 |
| NON-CONTINUOUS LOADS 100% FOR 20% DIVER | 0.0 |
| NON-CONTINUOUS LOADS 50% OF ADJUSTER | 0.0 |
| HEAT LOADS | 0.00 |
| TOTAL TOTAL | 1,600 |

LOAD VA / 240 V = 6.67 AMP @ 240V [INITIALED] 40 AMP

DATE
10/1/2010

REVISION

DRAWN BY: DA

JOB NUMBER:

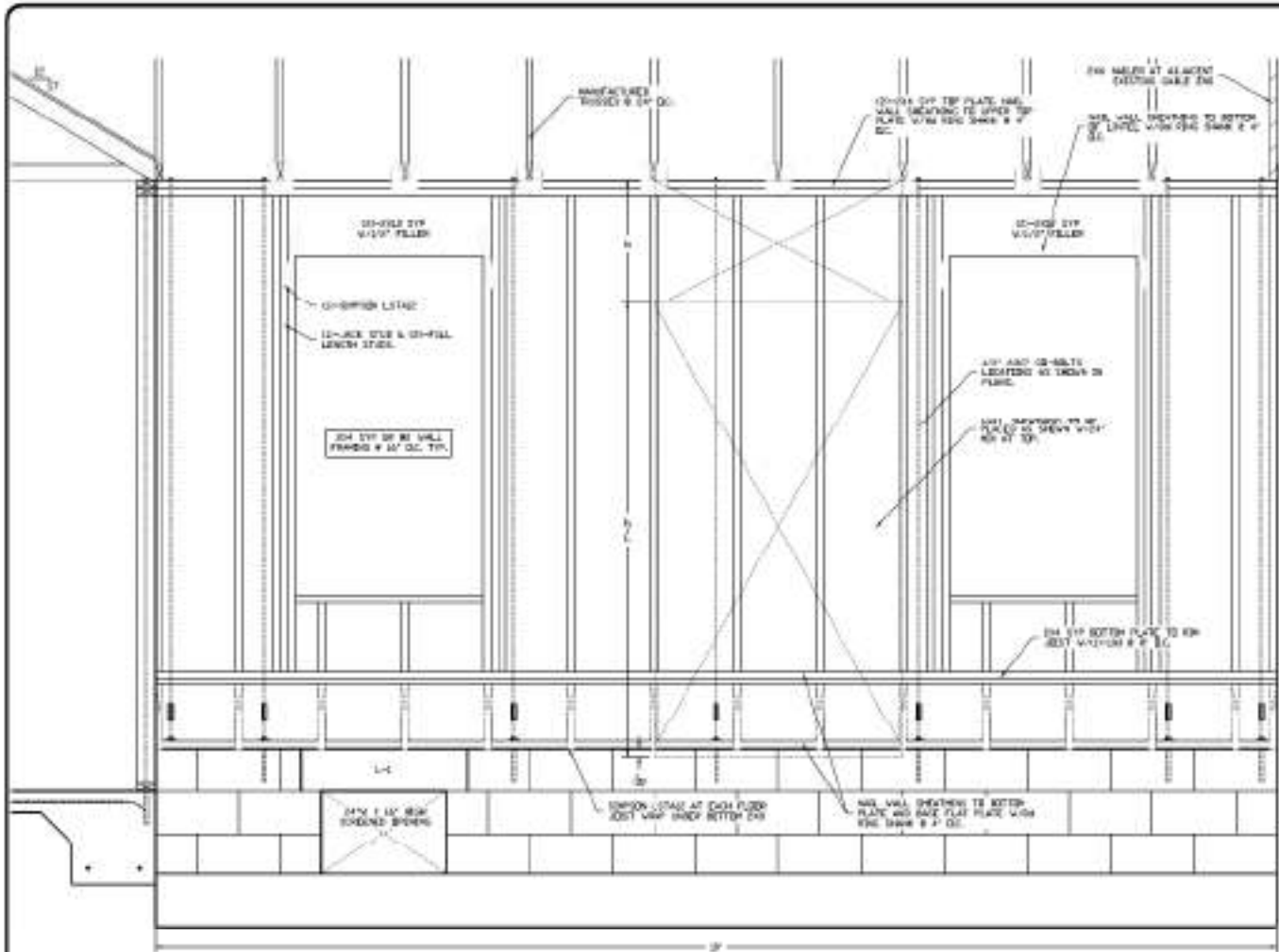
Daniel F. Ardito, P.E.
Professional Engineer
1041 S. PALM BLVD.
CORP. OFFICE
CORP. OFFICE

SHEET TITLE: ELECTRICAL PLAN & DETAILS

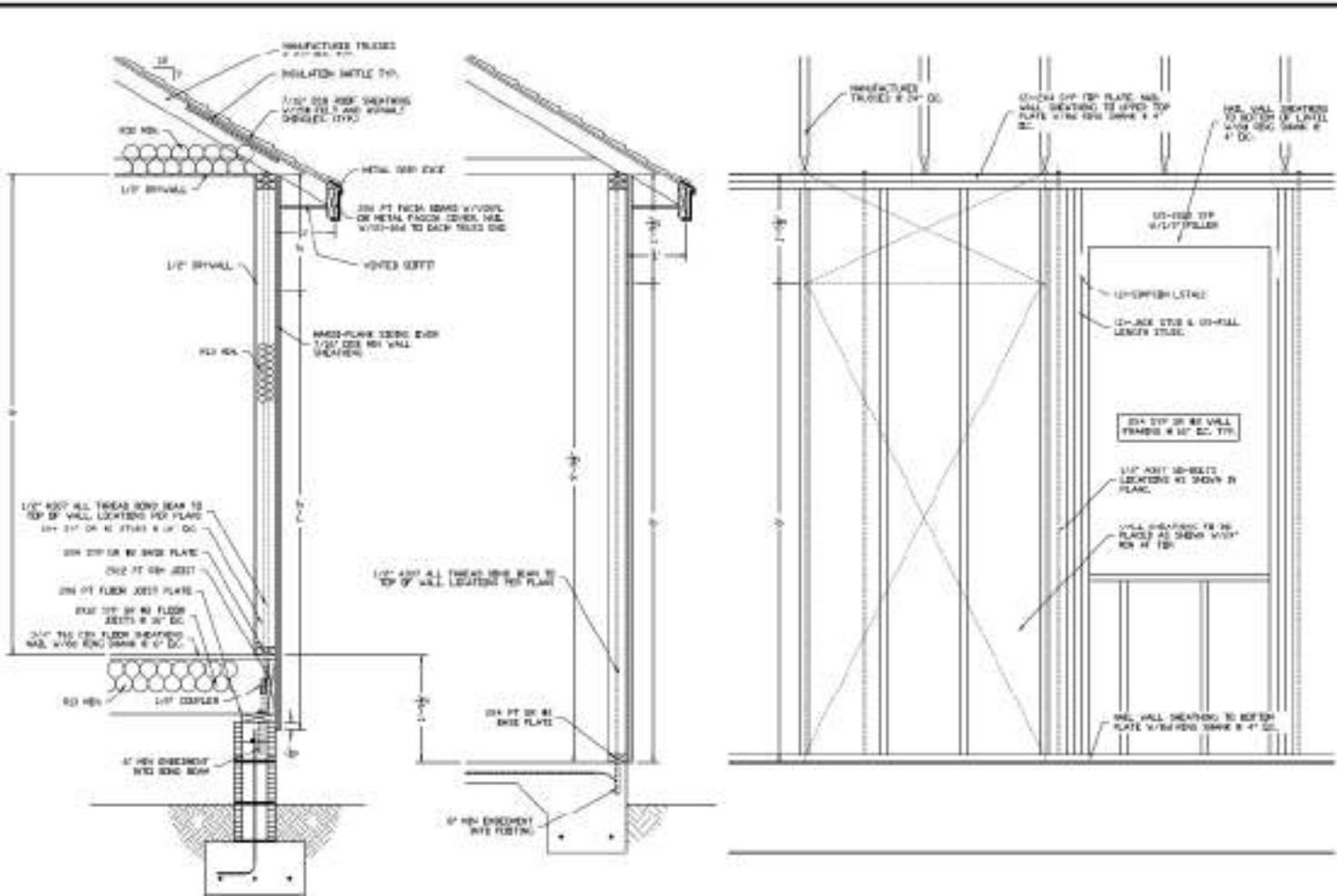
JOB NAME: RESIDENCE GARAGE ADDITION
HONOLULU, HI

SHEET 7 **OF 9**

Daniel F. Ardito, P.E.
Florida Reg. # 26164



1C TYPICAL LIVING AREA WALL FRAMING DETAILS
7 SCALE: 1/2" = 1'-0"



1D TYPICAL GARAGE WALL FRAMING DETAILS
7 SCALE: 1/2" = 1'-0"

ELECTRICAL NOTES:

- 1) ALL WORK SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND SHALL COMPLY WITH ALL APPLICABLE LOCAL CODES.
- 2) ALL CONDUCTORS SHALL BE COVERED WITH APPROPRIATE INSULATION.
- 3) THE INTERIOR ELECTRICAL SYSTEMS SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED BY NATIONAL ELECTRICAL CODE. ALL METALLIC INVENTORY SHALL BE MECHANICALLY AND ELECTRICALLY SECURED AT ALL JUNCTIONS AND AT ALL PANELS, CABINETS, FITTINGS, AND EQUIPMENT. ALL INVENTORY SHALL BE PROPERLY LABELLED, IDENTIFIED AND SUPPORTED AT INTERVALS NOT EXCEEDING THE CODE REQUIREMENT OR TO THE SATISFACTION OF THE ENGINEER.
- 4) ALL INVENTORY SHALL BE PROVIDED WITH EQUIPMENT GROUND CONDUCTOR.
- 5) UPON COMPLETION OF WORK (CONNECT ALL PANEL, BOARD CIRCUIT BREAKER CASES TO REFLECT FIELDING CONDITIONS).
- 6) REFER TO EXISTING IN ANY AREA IN WHICH CONDUIT, PIPES, WIRES, OR OTHER UTILITIES THERE MAY BE PRESENT. TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE PRESENCE OF SUCH ITEMS, AND DEVELOP AN ALTERNATE PATH OR METHOD TO AVOID SAME. EXCAVATION SHALL BE BY HAND UNTIL THE CONTRACTOR IS SATISFIED THAT EXISTING UNDERGROUND UTILITIES HAVE BEEN IDENTIFIED. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES OR OTHER SITE FEATURES CAUSED BY HIS WORK.
- 7) VERIFY THE PLACEMENT OF UTILITIES THROUGH THE GENERAL CONTRACTOR'S USE PLANS AND ALL HAZARDOUS ELECTRICAL CONDITIONS DISCOVERED DURING THE COURSE OF THE WORK, MAKE THIS NOTIFICATION AS SOON AS THE DISCOVERY IS MADE.
- 8) VERIFY CONDUIT SIZES INDICATED ON THE DRAWINGS FOR TELEPHONE SYSTEMS WITH THE OTHER SUPPLIERS PRIOR TO ORDERING MATERIAL OR PERFORMING RELATED WORK. OBTAIN THE MANUFACTURER'S BULLETIN SHEETS AND LOCATIONS FOR THESE SYSTEMS WITH THE APPROPRIATE SUPPLIER PRIOR TO ORDERING MATERIAL OR PERFORMING RELATED WORK.
- 9) PROVIDE NECESSARY EXTERIOR HANDHOLES AND INTERIOR BULLET, PULL, AND JUNCTION BOXES SIZES TO MEET THE REQUIREMENTS FOR ALL WIRING AND/OR CONDUIT INDICATED BY THE PLANS AND SPEC.
- 10) ALL FINAL CONNECTIONS TO LIGHTS AND EQUIPMENT SHALL BE MADE WITH FLEXIBLE CONDUIT. USE WEATHER-RESISTANT CABLE TIES WHEN OUTDOOR OR WET LOCATIONS.
- 11) ALL ELECTRICAL EQUIPMENT OUTDOORS OR IN WET LOCATIONS SHALL BE IN NEW-OR-WEATHER PROOF.

| | | | |
|--|----|-------------|-------------|
| DATE: TEST: | | | |
| DRAWN BY: JOB NUMBER: | DA | JOB NUMBER: | JOB NUMBER: |
| Daniel F. Ardito, P.E. Professional Engineer 1015 S. PLACIDA PT. CLEARWATER, FL 34615 (727) 461-1111 | | | |
| DETAILS | | | |
| SHEET TITLE: | | | |
| JOB NAME: RESIDENCE GARAGE ADDITION HERRINGSSA, FL | | | |
| SHEET 8 OF 9 | | | |