

THRIVE SERIES "EVOLVE"

40-1662 MODEL

PAD SIZE 40'-0" x 57'-0"



SHEET INDEX:

COVER SHEET 00 SLAB PLAN - ELEV. "A,B,C" FLOOR PLAN - ELEV. "A,B,C" A3.A FRONT & REAR ELEVATIONS - ELEV. "A" FRONT & REAR ELEVATIONS - ELEV. "B" FRONT & REAR ELEVATIONS - ELEV. "C" LEFT & RIGHT ELEVATIONS - ELEV. "A" LEFT & RIGHT ELEVATIONS - ELEV. "B" LEFT & RIGHT ELEVATIONS - ELEV. "C" ELECTRICAL PLAN - ELEV. "A,B,C" ARCHITECTURAL DETAILS FOUNDATION PLAN - ELEV. "A,B,C" LINTEL PLAN - ELEV. "A" LINTEL PLAN - ELEV. "B,C" S3 ROOF FRAMING PLAN (MID FLORIDA) ROOF FRAMING PLAN (TRUE HOUSE) S3 STRUCTURAL NOTES & DETAILS STRUCTURAL DETAILS STRUCTURAL DETAILS STRUCTURAL DETAILS STRUCTURAL DETAILS

DISTRIBUTED LIVE LOAD

(IN POUNDS PER SQ. FT.)

UNINHABITABLE ATTICS WITHOUT STORAGE
UNINHABITABLE ATTICS WITH LIMITED STORAGE
HABITABLE ATTICS & ATTICS SERVED WITH FIXED STAIRS
BALCONIES (EXTERIOR) AND DECKS
FIRE ESCAPES
GUARDS AND HANDRAILS
GUARD IN-FILL COMPONENTS

FIRE ESCAPES
GUARDS AND HANDRAILS
GUARD IN-FILL COMPONENTS
PASSENGER VEHICLE GARAGES
ROOMS OTHER THAN SLEEPING ROOMS
SLEEPING ROOMS
STAIRS

ANSI STANDARD FOR

MEASURING HOUSES

THE ANSI STANDARD FOR MEASURING HOUSES:

NATIONAL STANDARD Z765-1996 NEW CONSTRUCTION THE ANSI STANDARDS BASE FLOOR AREA CALCULATIONS ON THE EXTERIOR DIMENSIONS OF THE BUILDING AT EACH FLOOR LEVEL AND INCLUDE AL INTERIOR WALLS AND VOIDS. FOR ATTACHED UNITS, THE OUTSIDE DIMENSION IS THE CENTER LINE OF THE COMMON WALLS. INTERNAL ROOM DIMENSIONS AREN'T USED IN THIS SYSTEM OF MEASURING. THE ANSI STANDARDS BASE FLOOR AREA CALCULATIONS ON THE EXTERIOF DIMENSIONS OF THE BUILDING AT EACH FLOOR LEVEL AND INCLUDE AL INTERIOR WALLS AND VOIDS. FOR ATTACHED UNITS, THE OUTSIDE DIMENSION IS THE CENTER LINE OF THE COMMON WALLS. INTERNAL ROOM DIMENSIONS AREN'T USED IN THIS SYSTEM OF MEASURING.

THE ANSI STANDARDS BASE FLOOR AREA CALCULATIONS ON THE EXTERIOR DIMENSIONS OF THE BUILDING AT EACH FLOOR LEVEL AND INCLUDE ALL INTERIOR WALLS AND VOIDS SEPARATED INTO TWO AREAS:

AIR-CONDITIONED SPACE
 NON-AIR-CONDITIONED SPACE (GARAGES, PATIOS, PORCHES, BREEZEWAYS)

THE ANSI STANDARDS DEFINE "FINISHED AREA" AS "AN ENCLOSED AREA IN A HOUSE SUITABLE FOR YEAR-ROUND USE, EMBODYING WALLS, FLOORS, AND CEILINGS THAT ARE LIKE THE REST OF THE MEASUREMENTS MUST BE TAKEN TO THE NEAREST INCH OR TENTH OF A FOOT, AND FLOOR AREA MUST BE REPORTED TO THE NEAREST SQUARE FOOT. THESE WOULD INCLUDE BONUS/ATTIC SPACES AND ARE USUALLY LISTED SEPARATELY.

GENERAL CONTRACTOR:

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSTALL ALL MATERIALS MEETING FLORIDA APPROVAL COMPLIANCE TO AVOID WATER INTRUSION AND MOISTURE INTRUSION ON WINDOWS DOORS, ROOF, AND ANY OTHER AREA AROUND EACH SINGLE FAMILY HOUSE/ APARTMENT/ CONDOMINIUM/

TOWNHOUSE.

THOMPSON ENGINEERING GROUP, 4401 Vineland Road Suite A6 Orlando, FL. 328 Ph: (407) 734-1450

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designers group





"EVOLVE"

"EVOLVE"

40-1662

Lot # - Subdivision

Street Address

A division of Park Square Enterprises Inc. 5200 Vineland Rd. Suite #2

Enterprises Inc.

5200 Vineland Rd. Suite #2

Orlando, Fl. 32811

Phone: (407) 529-3000

ISSUE DATE 06/07/2019
REVISIONS

REVISIONS

PROJECT: 19-0274

SCALE: AS NOTED

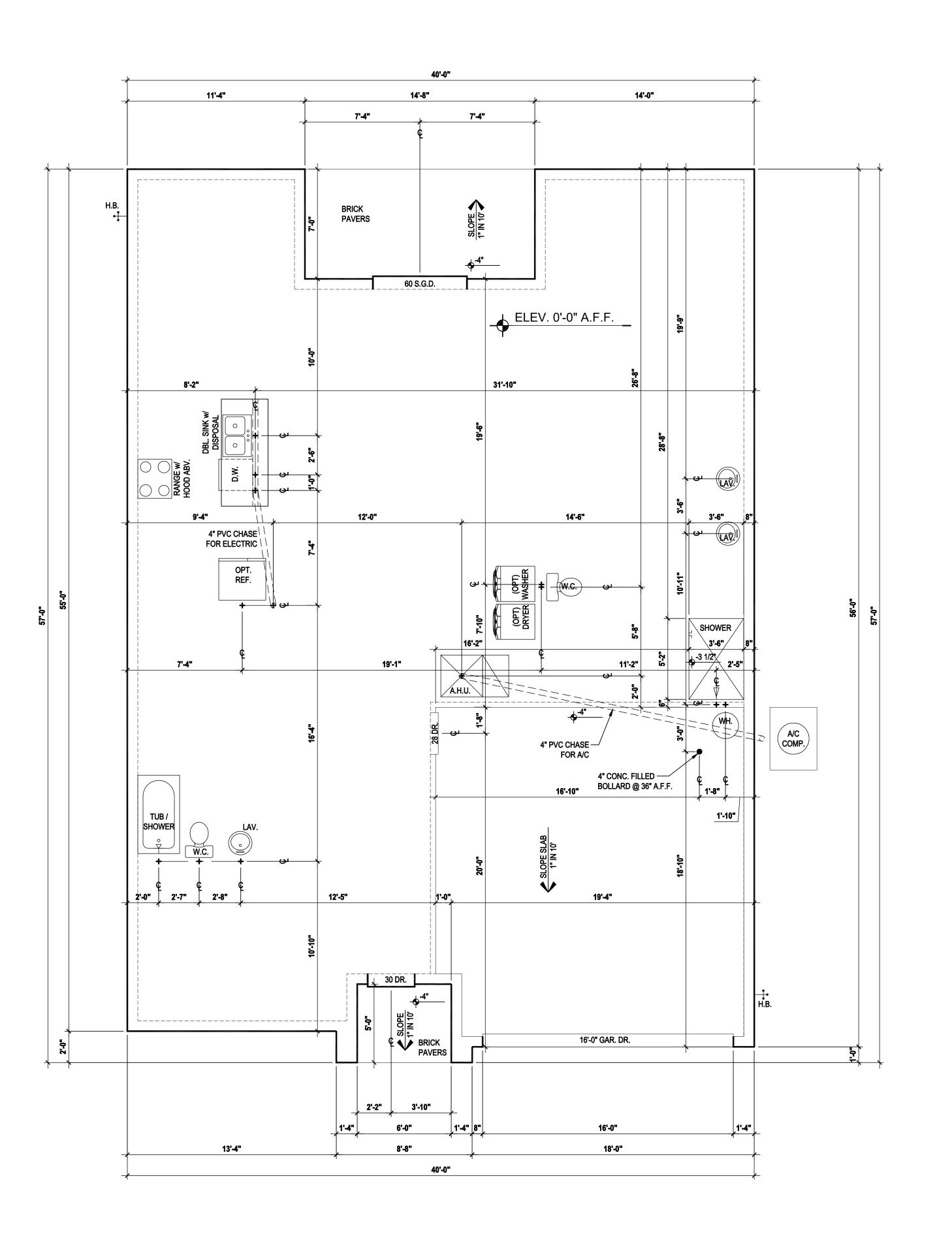
DRAWN BY: S.B.

DESIGNED BY: MJS

COVER PAGE

REVISION SCHEDULE:

NO:	DATE:	DESCRIPTION:	BY:
1	04/01/20	REVISED MODEL PER REVISIONS	C.C.
2	04/28/20	REVISED MODEL PER NEW PRE-CAST LINTEL SHEETS RECEIVED FROM TEG	C.C.
3	09/23/20	REVISED ELEC. RISER DIAGRAM PER REVISIONS FROM MONICA W.	C.C.
4	11/30/20	ADDED LEFT HAND GARAGE SWING.	S.B.
5	12/03/20	REVISED LAUNDRY ROOM AND AHU CLOSET PER BUILDER REQUEST.	S.B.
6	01/05/21	REVISED LAUNDRY ROOM AND AHU CLOSET PER BUILDER REQUEST.	S.B.
7	02/09/21	REVISED MASTER BATH PER BUILDER REQUEST.	S.B.
8	04/20/21	REVISED A/C CLOSET PER BUILDER SKETCH, ADDED GARAGE GFI TO MEET CODE	S.B.
9	04/27/21	UPDATED ELECTRICAL RISER DIAGRAM TO 200 AMP	S.B.
10	10/01/21	REVISED FAN/LIGHT PRE-WIRE TO DOUBLE SWITCHES	M.C.
11	11/24/21	REVISED SLIDING GLASS DOOR FROM 8080 TO 6080 PER MONICA W.	M.C.
12	02/04/22	ADDED ROOF VENT NOTES TO ELEVATIONS	M.C.
13	05/08/23	CHANGED ALL BI-FOLD DOORS TO SWING DOORS AND SECONDARY CLOSET DOORS TO 20 BALL & CATCH DOORS	C.C
14			
15			
16			



GENERAL NOTES KEY:

- CONTRACTOR TO VERIFY ALL DIMENSIONS ON JOB
- DO NOT SCALE PRINTS. CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
- WATER HEATER T & P RELIEF VALVE SHALL BE FULL SIZE TO EXTERIOR WATER HEATED AT OR ABOVE FLOOR LEVEL SHALL BE IN A PAN WITH DRAIN TO EXTERIOR. WATER HEATER SHALL HAVE AN APPROVED THERMAL EXPANSION DEVICE.
 - PAVERS MAY BE USED ILO CONCRETE SLAB AT PATIO PORCH, DRIVE AND WALKWAY.
- IN LEIU OF TREATING THE SOIL AN ALTERNATIVE TO
- TERMITE TREATED SOIL CAN BE TERMICIDE.
- BORA-CARE TO BE APPLIED ON INTERIOR WALLS IAW MANUFACTURERS INSTRUCTIONS AND SPECIFICATIONS. PURSUANT TO CH.482 OF THE FLORIDA BUILDING CODE.

DOOR NOTE KEY:

26 = 2'-6" 60 B.F. = 6'-0" BIFOLD

28 = 2'-8" 30 = 3'-0"

* ALL INT. DOORS TO BE 6'-8" TALL U.N.O. OR PER BUILDER/CLIENT









LANS, IDEAS AND DESIGN. THE IIRD PARTY WITHOUT FIRST OB "EVOLVE" 40-1662

Lot # - Subdivision
Street Address
City, State. Zip

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5200 Vineland Rd. Suite #200
Orlando, Fl. 32811
Phone: (407) 529-3000



REVISIONS

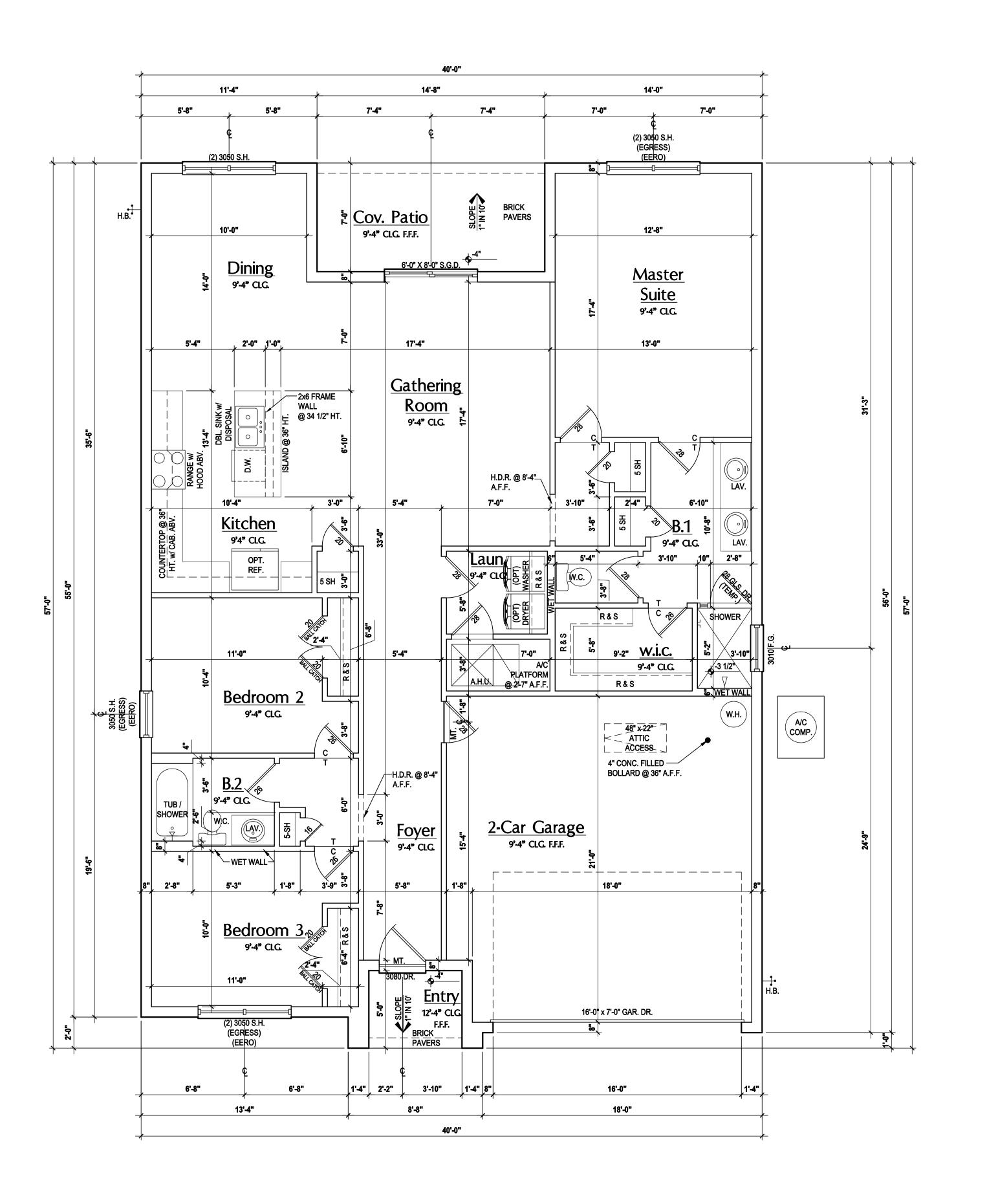
PROJECT: 19-0274 AS NOTED DRAWN BY: S.B.

> FOUNDATION PLAN A1

Slab Plan "A,B,C"

(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)



GENERAL NOTES KEY:

THIS STRUCTURE HAS BEEN DESIGNED TO MEET OR EXCEED REQUIREMENTS OF THE (2020) FLORIDA BUILDING CODE (7TH EDITION)

 SH - SINGLE HUNG 2- # OF DOORS. DH - DOUBLE HUNG HR - HORIZONTAL

2- # OF WINDOWS.

MT - METAL THRESHOLD ROLLER FR - FRENCH DOORS BP - BYPASS SL - SIDE LIGHT BF - BIFOLD FG - FIXED GLASS TYP. - TYPICAL TR - TRANSOM NOTE:

GB - GLASS BLOCK SPECIALTY WINDOWS/DOORS, FIXED PKT - POCKET DOOR OBS - OBSCURED GLASS TEMP - TEMPERED

GLASS WINDOWS, AND TRANSOMS ARE NOTED ON

FLOOR PLAN NOTES:

CONTRACTOR TO VERIFY ALL DIMENSIONS ON JOB SITE.

<u>DO NOT SCALE PRINTS!</u> CONSTRUCTION TO BE FROM CALCULATE DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.

MECHANICAL EQUIP. LOCATIONS WILL BE DETERMINED BY COMMUNITY AND COUNTY CODES.

A/C CONDENSER UNIT TO BE ANCHORED TO SLAB PER CODE M307.2

PROVIDE RECESS H&C WATER w/ DRAIN @ WASHER SPACE.

VENT DRYER THRU EXTERIOR WALL U.N.O.

PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.

SAG RESISTANT DRYWALL ON ALL CEILINGS.

PULL ALL DIMENSIONS FROM THE REAR OF PLAN.

REFER TO EXTERIOR ELEVATIONS & TYP. DETAIL SHEETS FOR EXTERIOR WALL FINISH SPEC'S.

REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES.

2. ALL INTERIOR FRAME WALL DIMENSIONS TO BE 3 ½" U.N.O.

3. ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 7 $\frac{1}{2}$ " U.N.O.

ALL INT. FIRST FLOOR CEILINGS AT <u>9'-4"</u> U.N.O. •• ALL INT. SECOND FLOOR CEILINGS AT 9'-0" U.N.O.

i. C.M.U. & FRAME WALL SYSTEM SEGMENTS WHICH HAVE AN UNINTERRUPTED LENGTH OF 12'-0" OR MORE SHALL BE CONSIDERE SHEAR WALL SWS = SHEAR WALL SEGMENTS.

OPENING BETWEEN GARAGE AND RESIDENCE SHALL BE EQUIPPED W/ A 20 MIN. FIRE RATED SOLID WOOD OR HONEYCOMB CORE STEE DOOR NOT LESS THAN 1 3/8" THICKNESS AS PER FBC-R302.5.1.

INSTALL 5/8" TYPE X DRYWALL ON GARAGE CEILING BENEATH HABITABLE ROOMS (TYP.)

3. GARAGE DOOR TO BE CERTIFIED BY MFR. FOR 140 M.P.H.

ALL TUB & SHOWER UNITS WILL HAVE ANTI-SCALDING DEVICES

0. 1/2" GYPSUM BOARDS APPLIED TO THE UNDER STAIR SURFACE AND

ALL OPERABLE WINDOWS LOCATED MORE THAN 72" ABV. SURFACE BELOW SHALL HAVE THE LOWEST PORTION OF WINDOW CLEAR OPENING A MIN. OF 24" ABOVE FINISHED FLOOR BEING SERVER PER

2. ALL INT. DOORS TO BE 6'-8" TALL U.N.O. OR PER BUILDER / CLIENT

3. 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE OF WALL TO

UNDERSIDE OF DECKING I. ALL WINDOW AND DOOR ROUGH OPENINGS VARY PER

MANUFACTURER'S SPECIFICATIONS, AND ARE NOT REFLECTED ON THE PLANS. DIMENSIONS PROVIDED ON PLANS ARE USED FOR AN APPROXIMATE LOCATION OF WINDOWS & DOORS, AND DO NOT REFLECT THE ROUGH OPENINGS REQUIRED FOR PROPER INSTALLATION, BUILDER WILL BE REQUIRED TO CROSS-REFERENCE ROUGH OPENINGS AND PLAN DIMENSIONS.

SOIL TESTING IS RECOMMENDED. THE DESIGN TEAM AT MJS & E.O.R STRONGLY RECOMMEND A SOIL TEST TO CONFIRM SOIL BEARING CAPACITY AND SURFACE GEO-TECHNICAL CONDITIONS. FOOTINGS SHALL BEAR ON UNDISTURBED SOIL A/O PROPERLY COMPACTED FILL (2000 PSF MIN.). FILL MATERIAL SHALL BE COMPACTED TO 95% DENSITY OF A STANDARD PROCTOR. TO BE VERIFIED BY GENERAL CONTRACTOR / OWNER.

DOOR NOTE KEY:

28 = 2'-8" 30 = 3'-0"

WINDOW NOTE KEY:

WINDOW SIZE CALLOUT: 2040 = 2'-0" x 4'-0"

2050 = 2'-0" x 5'-0"

Total Area:

2060 = 2'-0" x 6'-0"

• ALL WINDOW CALLOUTS ARE MEASURED IN FEET & INCHES AS PER THE EXAMPLE TABLE ABOVE.

Area Tabulations

1,662 sf 1st floor: 1,662 sf Total Living: 34 sf 103 sf 437 sf 2,236 sf





40-1662

Lot # - Subdivision
Street Address
City, State. Zip "EVOLVE

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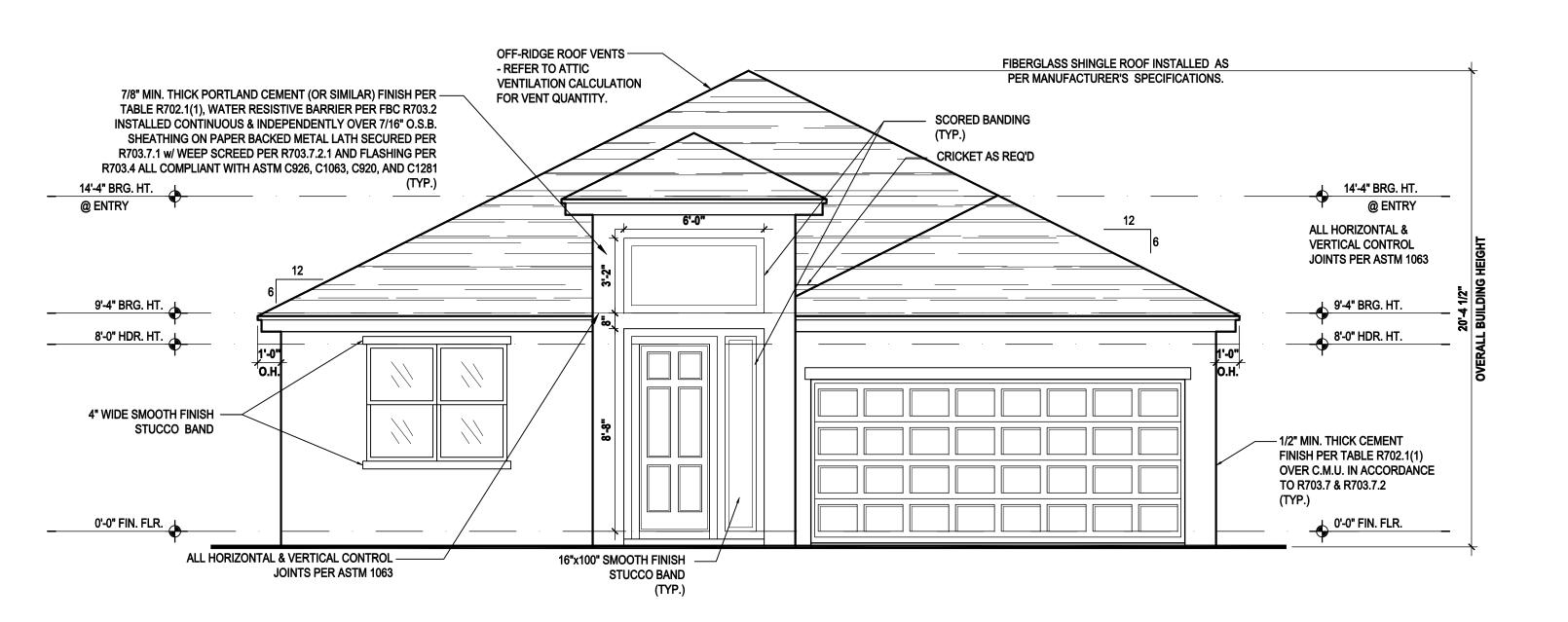
ISSUE DATE | 06/07/2019 REVISIONS

PROJECT: 19-0274 SCALE: AS NOTED DRAWN BY: S.B.

FLOOR PLAN

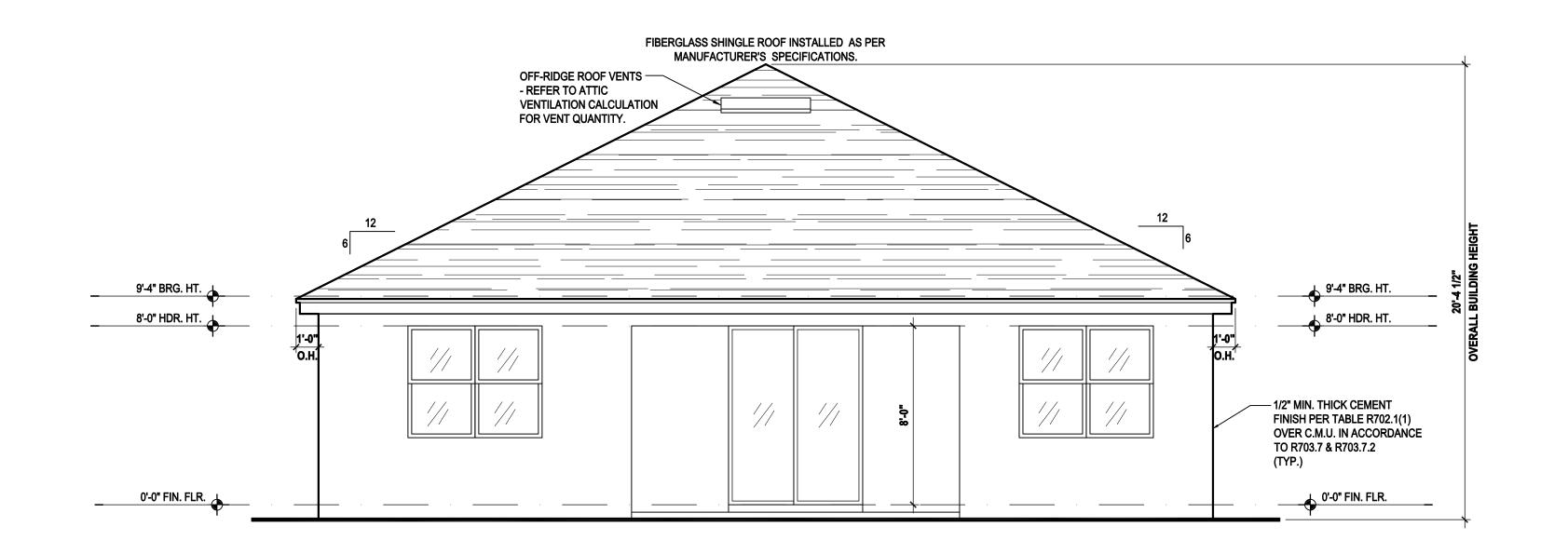
Floor Plan "A,B,C"

(Standard) SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)



Front Elevation "A"

(Standard) SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)



Rear Elevation "A"

(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)

ATTIC VENT CALC'S:

MIN. 40% - MAX 50% OF REQUIRED VENTILATION TO BE II UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE IN LOWER PORTION (EAVES).

(OFF-RIDGE VENT MAXIMUM OPENING SIZES) MINIMUM NET VENTILATION AREA SHALL BE 150 OF VENTED

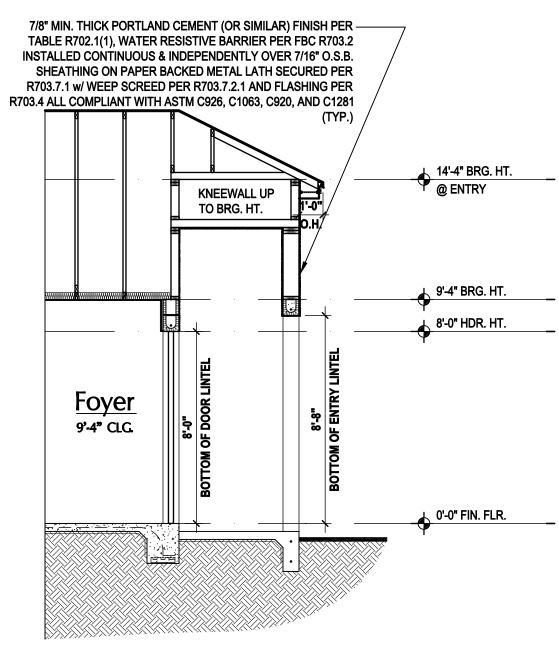
TOTAL VENTED SPACE: $\frac{2,324}{300} = \frac{7.746 \text{ SF.}}{\text{REQUIRED}}$ NET FREE

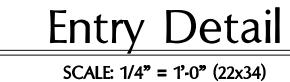
UPPER PORTION VENTILATION TOTAL: 3.098 SF. TO BE PROVIDED w/ OFF RIDGE VENTS: 5 VENTS @ .683 /PER VENT

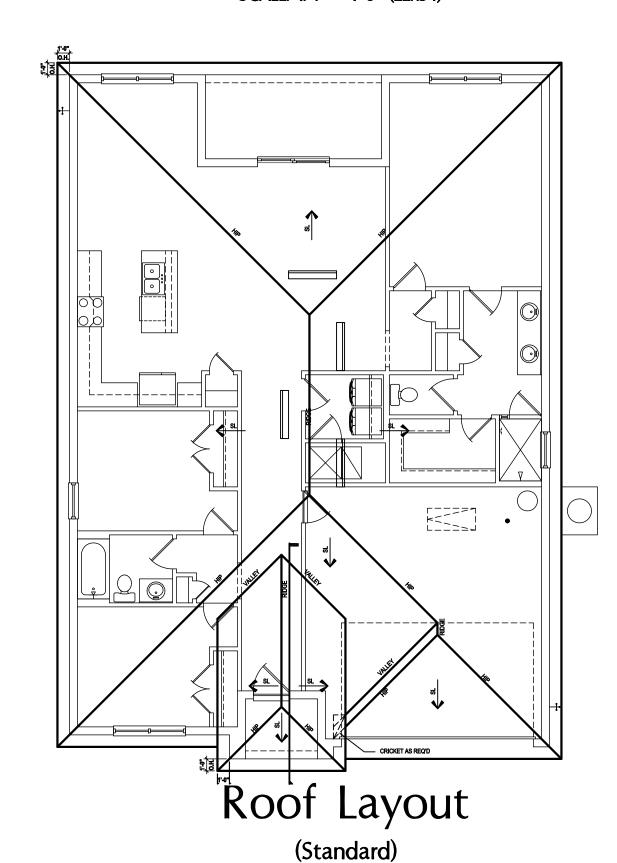
TILE: O'HAGIN MODEL "S", SHINGLE: LOMANCO 770-D

LOWER PORTION VENTILATION TOTAL: 4.648 SF. TO BE PROVIDED w/ SOFFITS @ EAVE: 80.00 LF. @ 0.0581 SF. VENTING/LF

UPPER ROOF PERCENTAGE: 40% LOWER ROOF PERCENTAGE: 60%







SCALE: 1/16" = 1'-0" (11x17) 1/8" = 1'-0" (22x34)



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IRD PARTY WITHOUT FIRST OF
"EVOLVE"

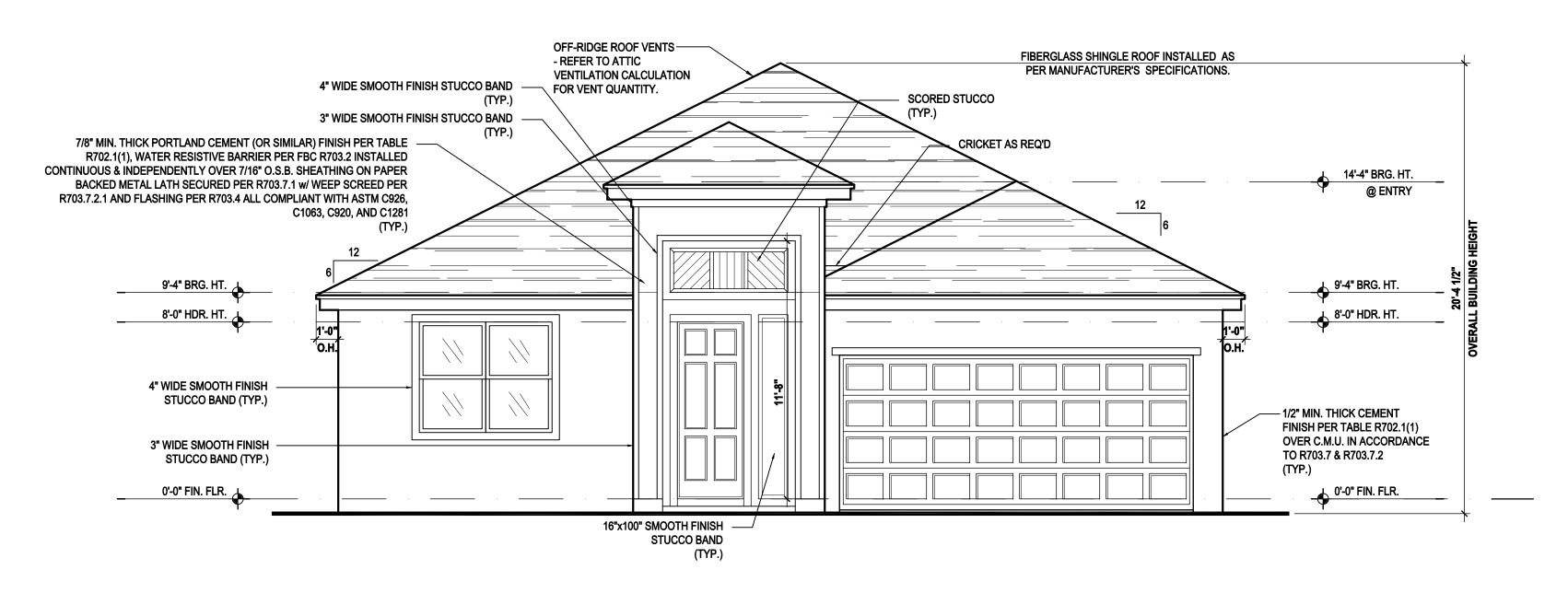
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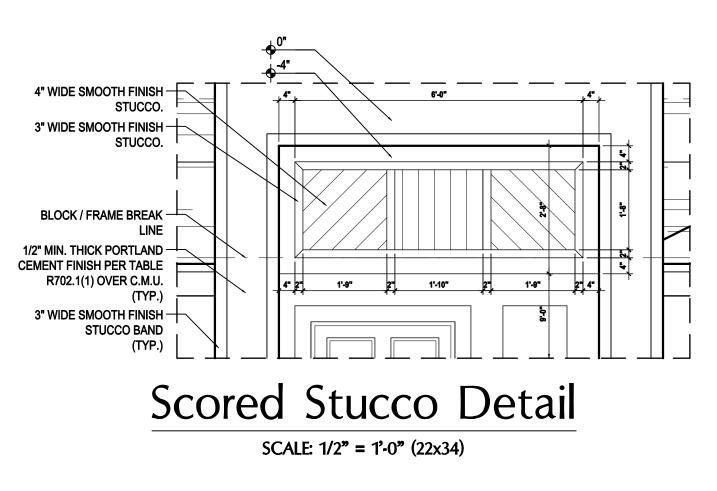


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DRAWN BY: S.B. DESIGNED BY: MJS

ELEVATIONS

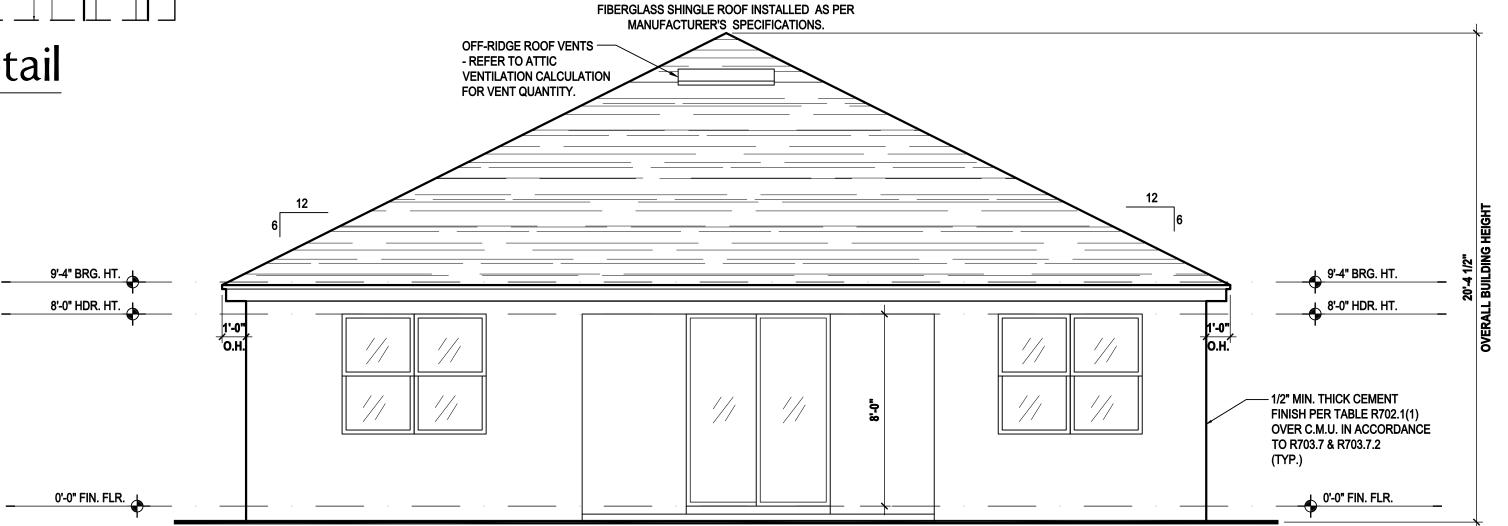




Front Elevation "B"

(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)



Rear Elevation "B"

(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)

ATTIC VENT CALC'S:

2020 FLORIDA BUILDING CODE (7TH EDITION) SECTION R806
MIN. 40% - MAX 50% OF REQUIRED VENTILATION TO BE IN
UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE
IN LOWER PORTION (EAVES).

(OFF-RIDGE VENT MAXIMUM OPENING SIZES)

MINIMUM NET VENTILATION AREA SHALL BE 150 OF VENTED

SPACE.

TOTAL VENTED SPACE: 2,324 = 7.746 SF. NET FREE

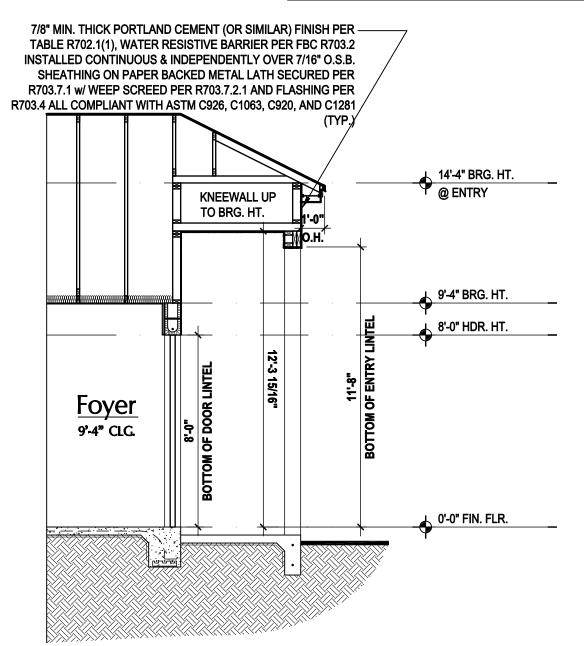
TOTAL VENTED SPACE: $\frac{2,324}{300} = \frac{7.746 \text{ SF.}}{\text{REQUIRED}}$ NET FREE

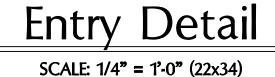
UPPER PORTION VENTILATION TOTAL: 3.098 SF.
TO BE PROVIDED w/ OFF RIDGE VENTS:
5 VENTS @ .683 /PER VENT

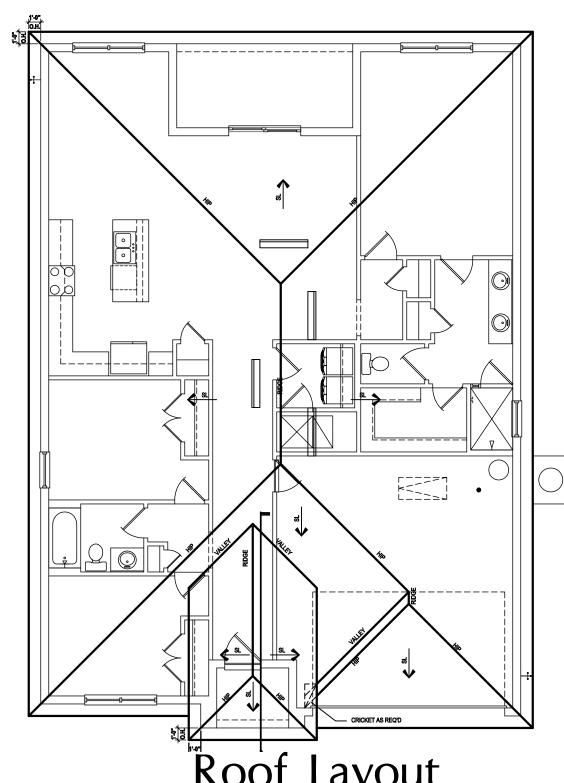
TILE: O'HAGIN MODEL "S", SHINGLE: LOMANCO 770-D

LOWER PORTION VENTILATION TOTAL: 4.648 SF.
TO BE PROVIDED w/ SOFFITS @ EAVE:
80.00 LF. @ 0.0581 SF. VENTING/LF.

UPPER ROOF PERCENTAGE: 40% LOWER ROOF PERCENTAGE: 60%







Roof Layout
(Standard)

SCALE: 1/16" = 1'-0" (11x17) 1/8" = 1'-0" (22x34)

THOMPSON ENGINEERING GROUP, INC.
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designers group





0-1662
- Subdivision

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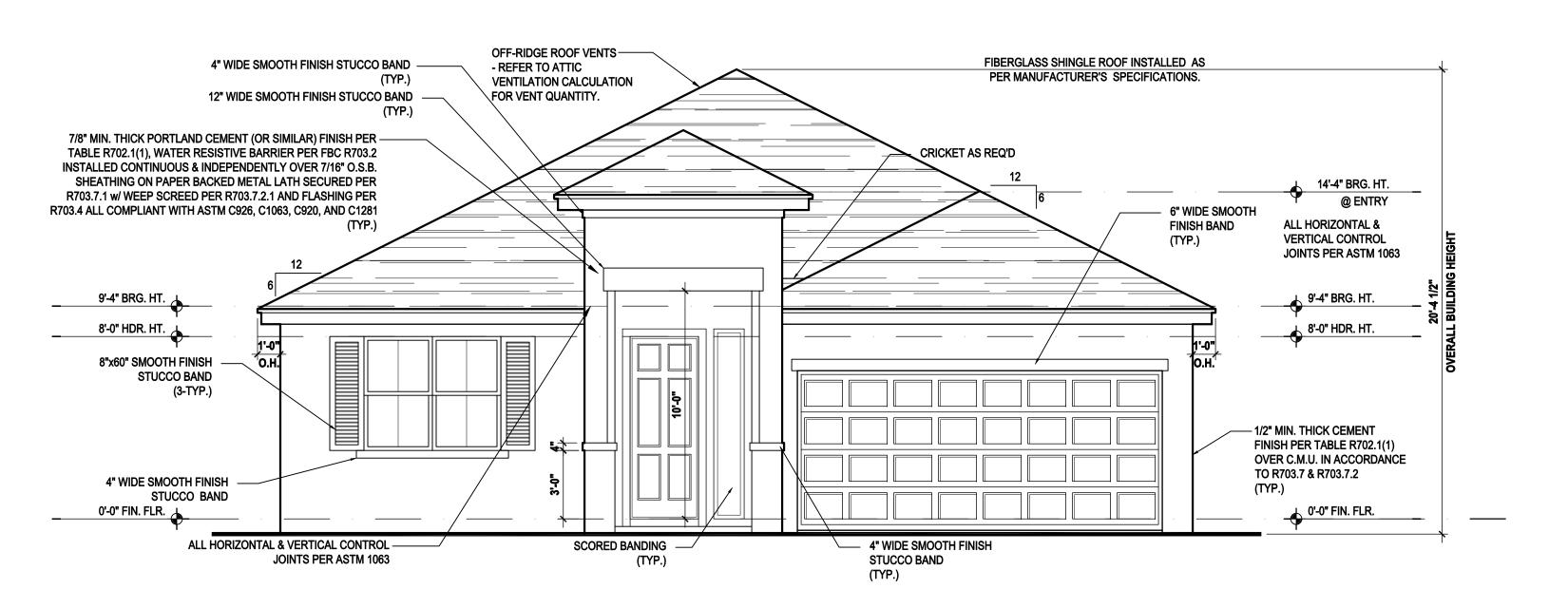
REVISIONS
PROJECT: 19-0274

PROJECT: 19-0274

SCALE: AS NOTED

DRAWN BY: S.B.

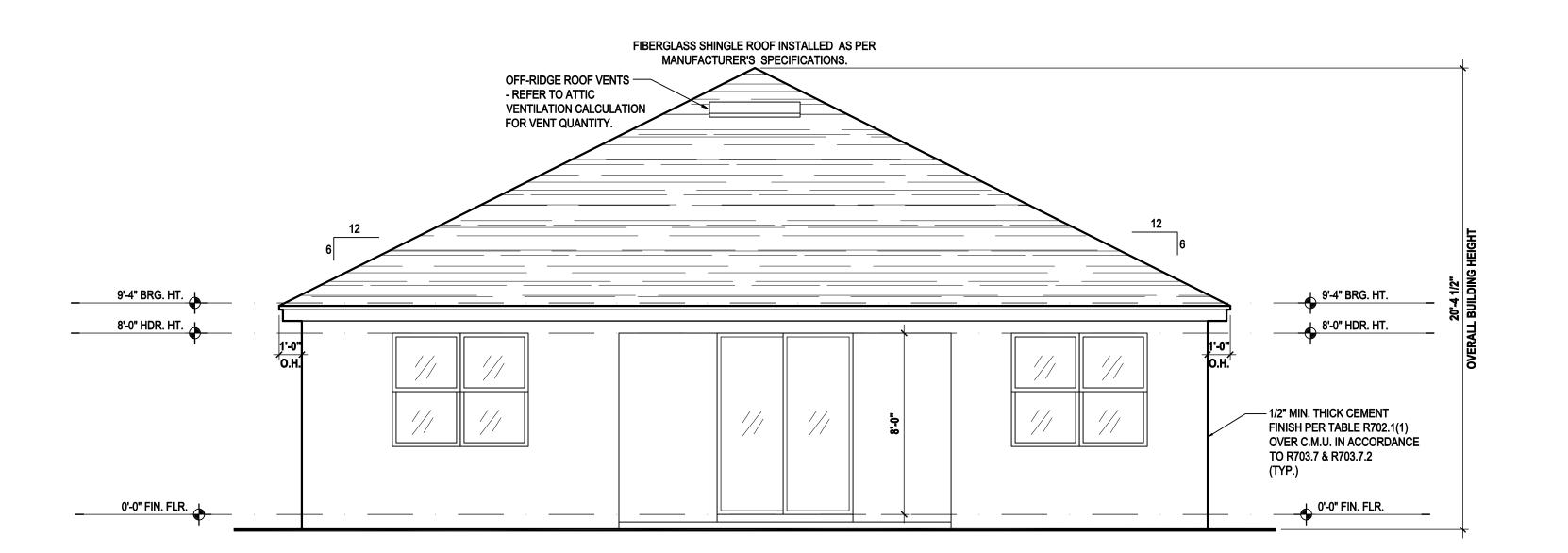
ELEVATIONS



Front Elevation "C"

(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)



Rear Elevation "C"

(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)

ATTIC VENT CALC'S:

2020 FLORIDA BUILDING CODE (7TH EDITION) SECTION R806
MIN. 40% - MAX 50% OF REQUIRED VENTILATION TO BE IN
UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE
IN LOWER PORTION (EAVES).

(OFF-RIDGE VENT MAXIMUM OPENING SIZES)

MINIMUM NET VENTILATION AREA SHALL BE 150 OF VENTED

TOTAL VENTED SPACE: 2.324 = 7.746 SF. NET FRE

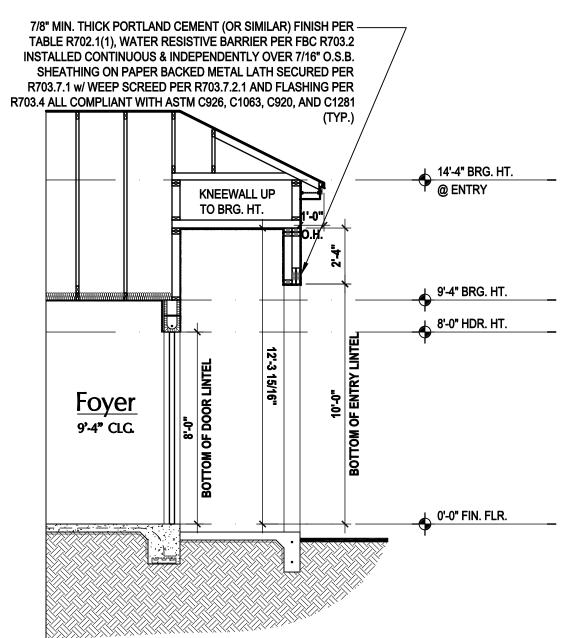
TOTAL VENTED SPACE: 2,324 300 7.746 SF. NET FREE REQUIRED

UPPER PORTION VENTILATION TOTAL: 3.098 SF.
TO BE PROVIDED w/ OFF RIDGE VENTS:
5 VENTS @ .683 /PER VENT

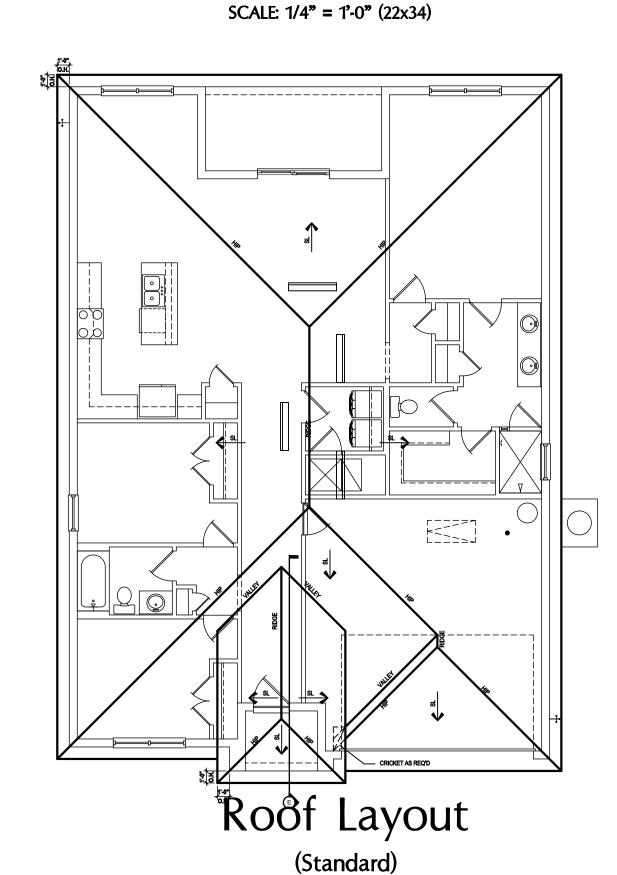
TILE: O'HAGIN MODEL "S", SHINGLE: LOMANCO 770-D

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TO BE PROVIDED w/ SOFFITS @ EAVE:
80.00 LF. @ 0.0581 SF. VENTING/LF

UPPER ROOF PERCENTAGE: 40%
LOWER ROOF PERCENTAGE: 60%

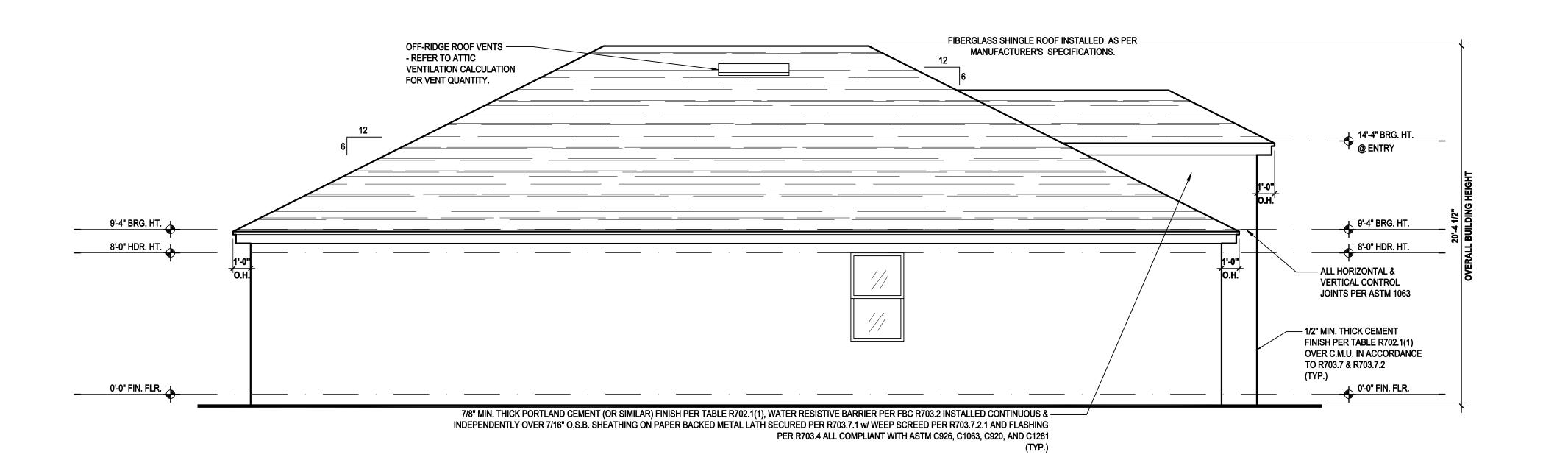


Entry Detail



SCALE: 1/16" = 1'-0" (11x17) 1/8" = 1'-0" (22x34)

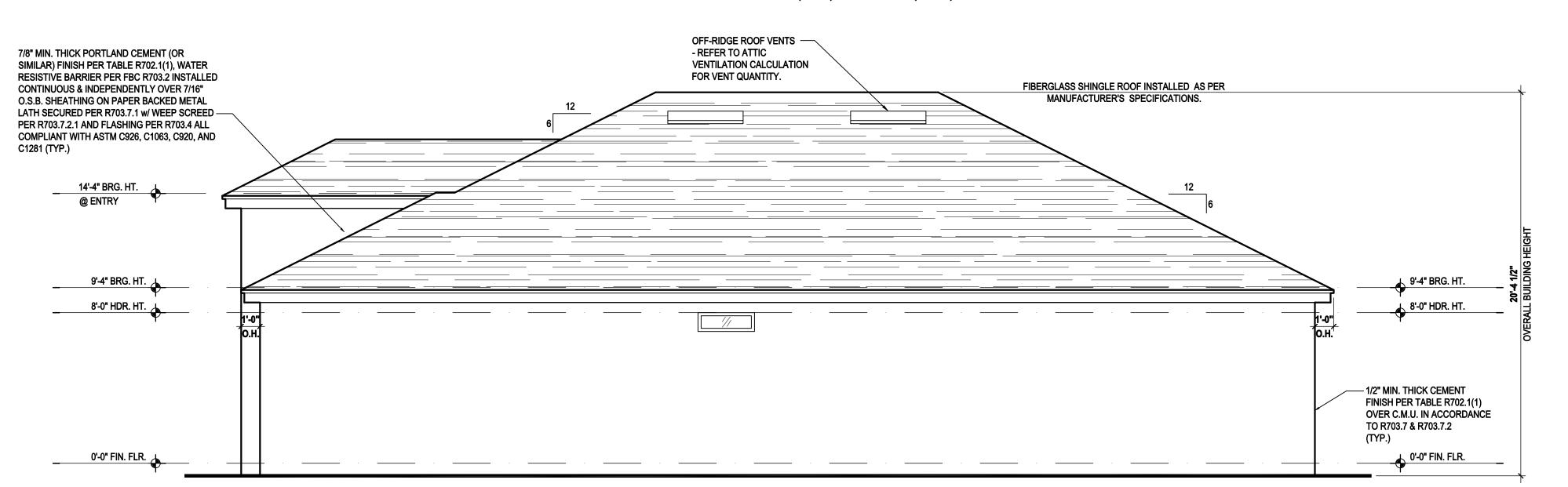




Left Elevation "A"

(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)



Right Elevation "A"

(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)



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40-1662

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ISSUE DATE 06/07/2019

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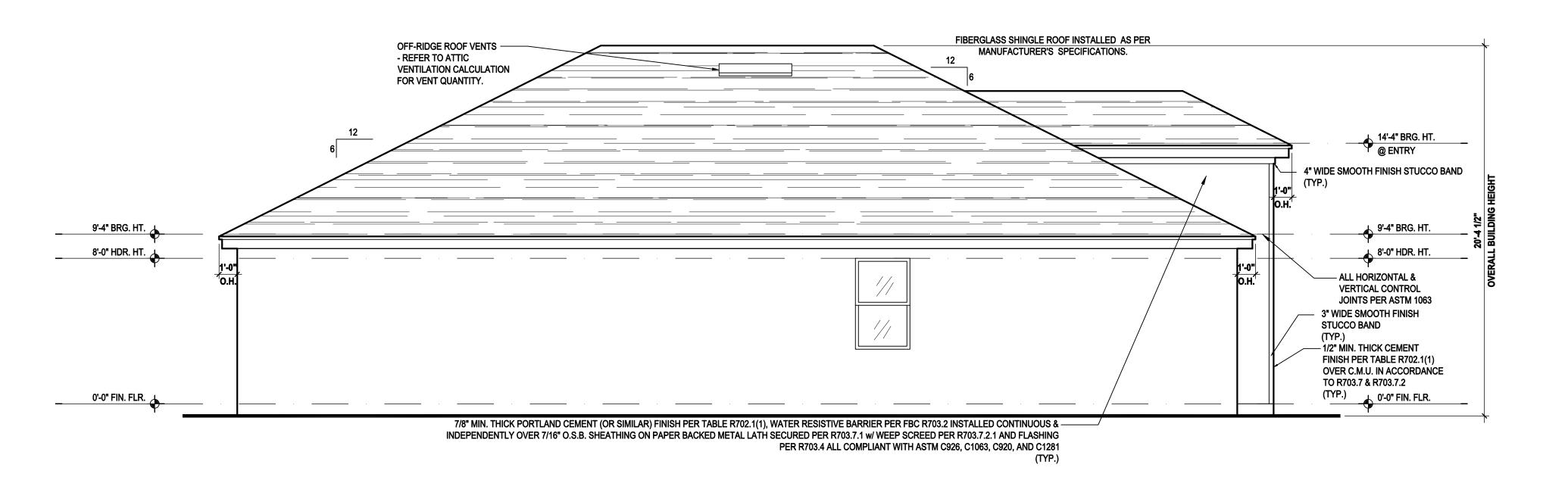
PROJECT: 19-0274

SCALE: AS NOTED

DRAWN BY: S.B.

DESIGNED BY: MJS

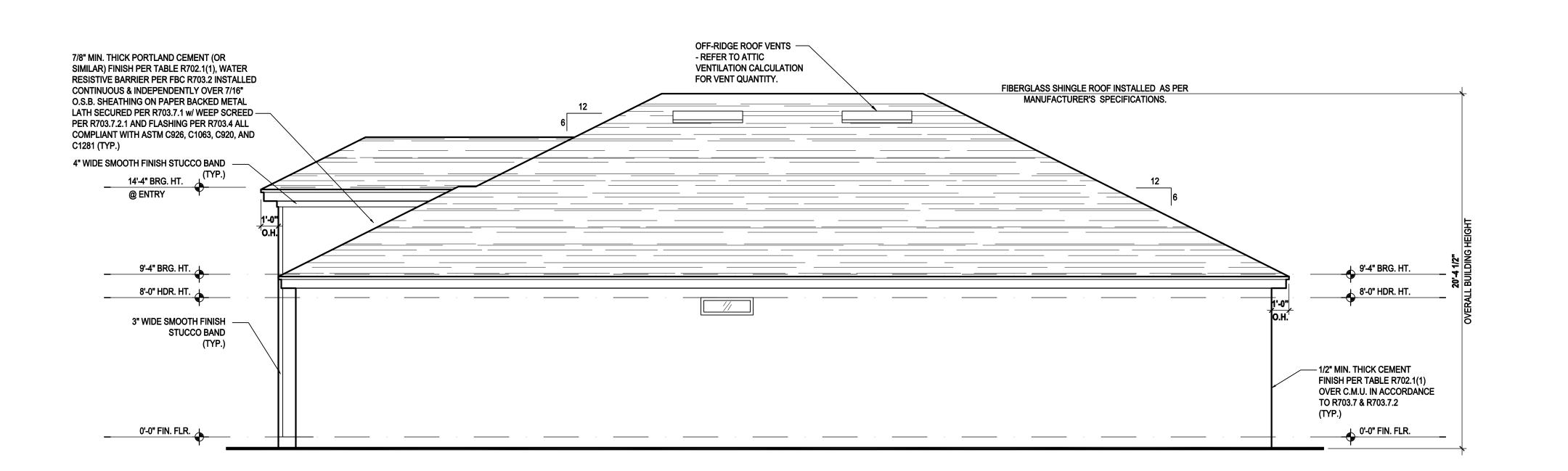
ELEVATIONS



Left Elevation "B"

(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)



Right Elevation "B"

(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)









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PROJECT: 19-0274 AS NOTED SCALE: DRAWN BY: S.B.

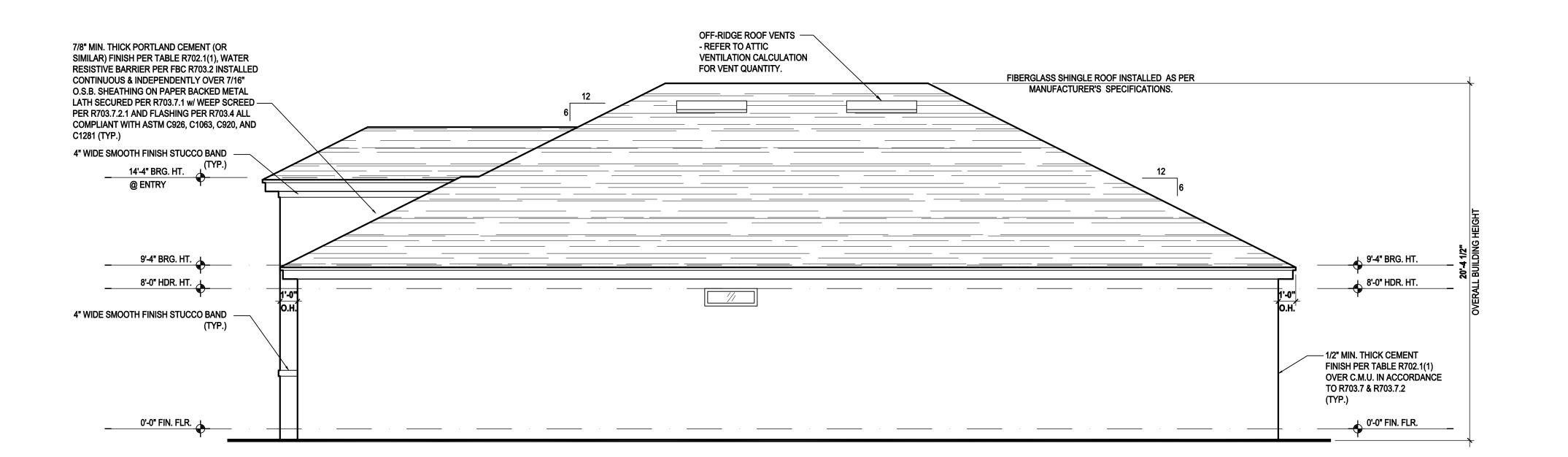
ELEVATIONS

DESIGNED BY: MJS

Left Elevation "C"

(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)



Rear Elevation "C"

(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)



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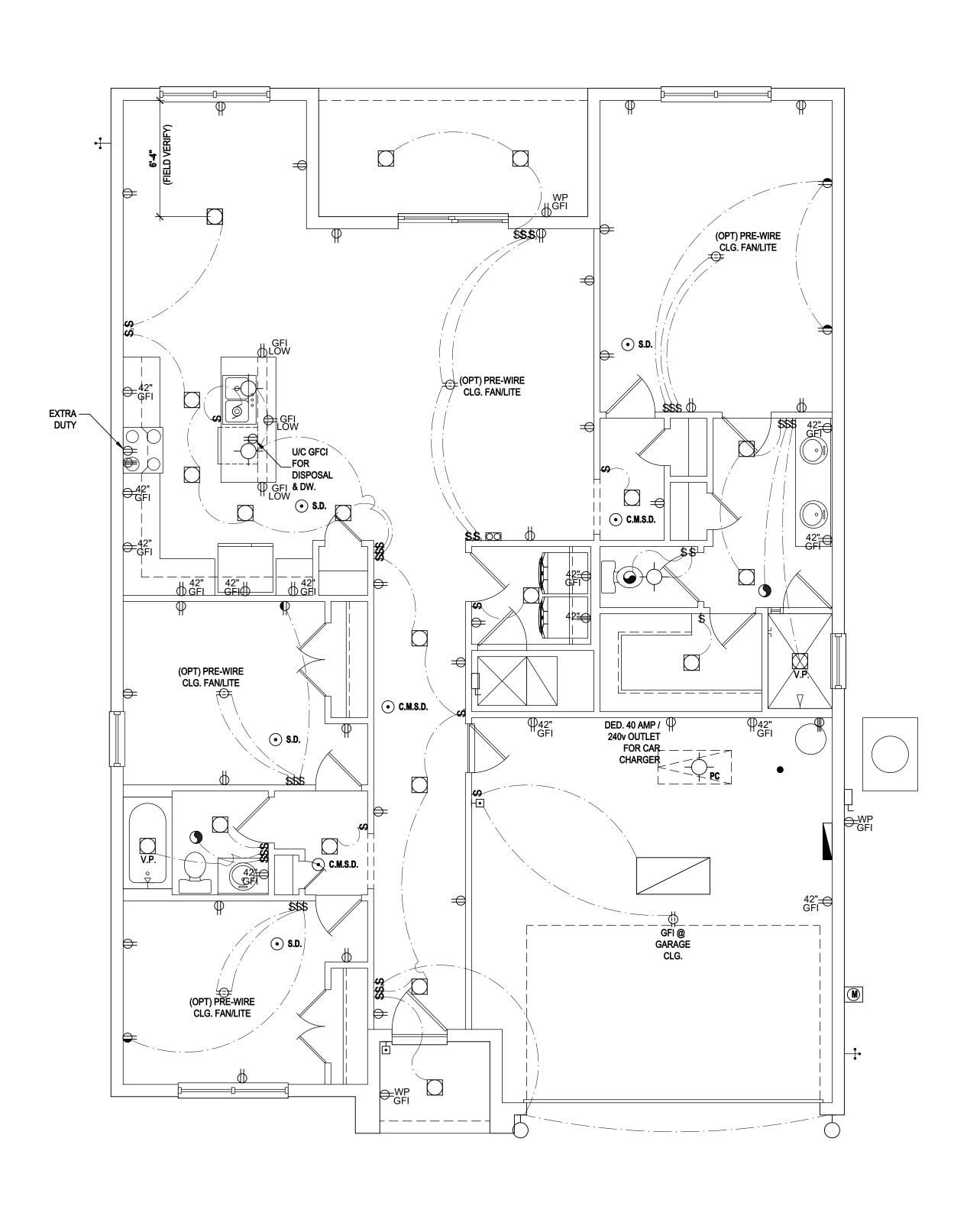
PROJECT: 19-0274

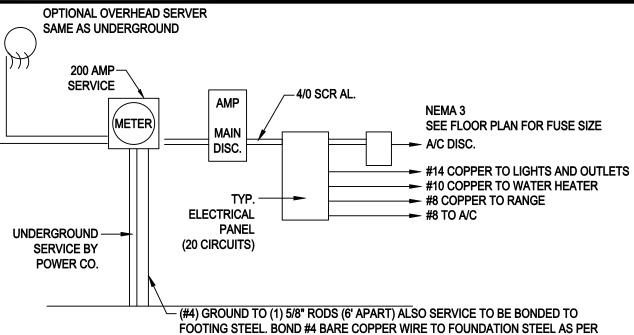
SCALE: AS NOTED

DRAWN BY: S.B.

DESIGNED BY: MJS

ELEVATIONS A4.C





• ALL ELECTRICAL WORK AND MATERIAL PROVIDED SHALL COMPLY WITH THE FLORIDA BUILDING CODE (2020) THE ABOVE ELECTRICAL LAYOUT IS FOR BID PURPOSE ONLY.

2014 N.E.C. 250.52 (AX3)

• ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY w/ APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL CODE 250.52 (AX1) TO (6). LOCAL CODES AND THE LOCAL POWER COMPANY

200 AMP ELECTRICAL RISER

GENERAL NOTES KEY:

- ALL OUTLETS ARE TO BE AFCI PROTECTED.
- ALL 15A AND 20A 120V BRANCH CIRCUITS WILL BE AFCI
- ALL 15A AND 20A 120V BRANCH CIRCUITS LOCATED IN THE
- GARAGE AND LAUNDRY WILL BE GFCI PROTECTED. ALL GARAGE BAYS WILL HAVE DEDICATED GFCI OUTLET.
- ALL OUTLETS LOCATED IN THE KITCHEN AND BATHROOMS
- ARE TO BE GFCI PROTECTED. DW. AND GARBAGE DISPOSAL ARE TO BE GFCI PROTECTED
- EXCEPTIONS TO THE GFCI STIPULATION WILL BE ALLOWED ONLY IF ALLOWED PER CURRENT NFPA / NEC.
- OUTLETS LOCATED IN THE LAUNDRY ARE TO BE GFCI AND AFCI PROTECTED.
- OUTLETS LOCATED WITHIN 6'-0" OF A WET AREA ARE TO BE GFCI PROTECTED.
- ALL OUTLETS OVER COUNTERTOPS TO BE 42" A.F.F. (U.N.O.).
- 2. ALL SMOKE/CARBON MONOXIDE DETECTORS ARE TO BE HARD WIRED, INTERCONNECTED AND AFCI PROTECTED.
- 3. 8'-0" HEIGHT VANITY LIGHTS IN MASTER BATHROOM AND 7'-0
- IN AREAS SPECIFIED IN SECTION E3901.1, 125-VOLT, 15- AND
- 20-AMPERE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES.

IN ALL OTHER BATHROOMS.

- THIS DIAGRAMMATIC PLAN IS INTENDED TO SHOW LIGHTING AND CONVENIENCE OUTLETS ONLY. IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO VERIFY THE REQUIREMENT AND LOCATIONS OF ALL ELECTRICAL EQUIPMENT, (INCLUDING KITCHEN EQUIPMENT) AND PROVIDE AND INSTALL COMPLETE ELECTRICAL SERVICE AS REQUIRED PER NFPA, NEC, FBC CODES AND ALL REIGNING MUNICIPALITY CODES, STANDARDS AND ORDINANCES.
- LOCATION OF FIXTURES AND / OR OUTLETS ARE SUGGESTED LOCATIONS AND MEET MOST LOCAL CODE REQUIREMENTS. ADDITIONS OR ADJUSTMENTS MAY BE MADE BETWEEN THE OWNER AND BUILDER IN THE FIELD.
- ALL ELECTRICAL WORK AND APPLIANCES ARE IN FULL COMPLIANCE WITH N.F.P.A., N.E.C., F.B.C. 7TH EDITION (2020) RESIDENTIAL, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.
- VARIOUS SYMBOLS ON ELECTRICAL LEGEND MAY OR MAY NOT BE USED ON THIS PLAN.

BUILDER TO VERIFY EXACT LOCATION OF FLOOR OUTLETS











40-1662
Lot # - Subdivision
Street Address
City, State. Zip "EVOLVE"

A division of Park Square Enterprises Inc. 5200 Vineland Rd. Suite #200 Orlando, Fl. 32811 Phone: (407) 529-3000



ISSUE DATE | 06/07/2019 REVISIONS

PROJECT: 19-0274 SCALE: AS NOTED DRAWN BY: S.B.

DESIGNED BY: MJS ELECTRICAL LAYOUT **A5**

CEILING MOUNTED LIGHT

PULL CHAIN LIGHT

ELECTRICAL KEY:

WALL MOUNTED LIGHT WALL WASH RECESSED DUPLEX RECEPTACLE 220 V RECEPTACLE 1/2 HOT, 1/2 SWITCHED WATER PROOF RECEPTACLE FLOOR RECEPTACLE - PRE-WIRE FOR CLG. FAN GROUND FAULT INTERRUPT WALL SWITCH 3-WAY SWITCH DIMMER SWITCH TELEPHONE JACK CABLE JACK PRE-WIRE GARAGE DOOR OPENER FLUORESCENT LIGHT ELECTRICAL PANEL 00 DOOR BELL / GARAGE DOOR SWITCH \Box DISCONNECT SWITCH ELECTRICAL METER ●S.D. SMOKE DETECTOR C.M.S.D. CARBON MONOXIDE / SMOKE DETECTOR **CEILING FAN** WALL SCONCE CHANDELIER SPOT LIGHT FLUSH MOUNT FLUORESCENT LIGHT FAN / LIGHT COMBINATION GARBAGE DISPOSAL MOTOR SPEAKER JUNCTION BOX

• L.V.

V.P.

A.F.

LOW VOLTAGE

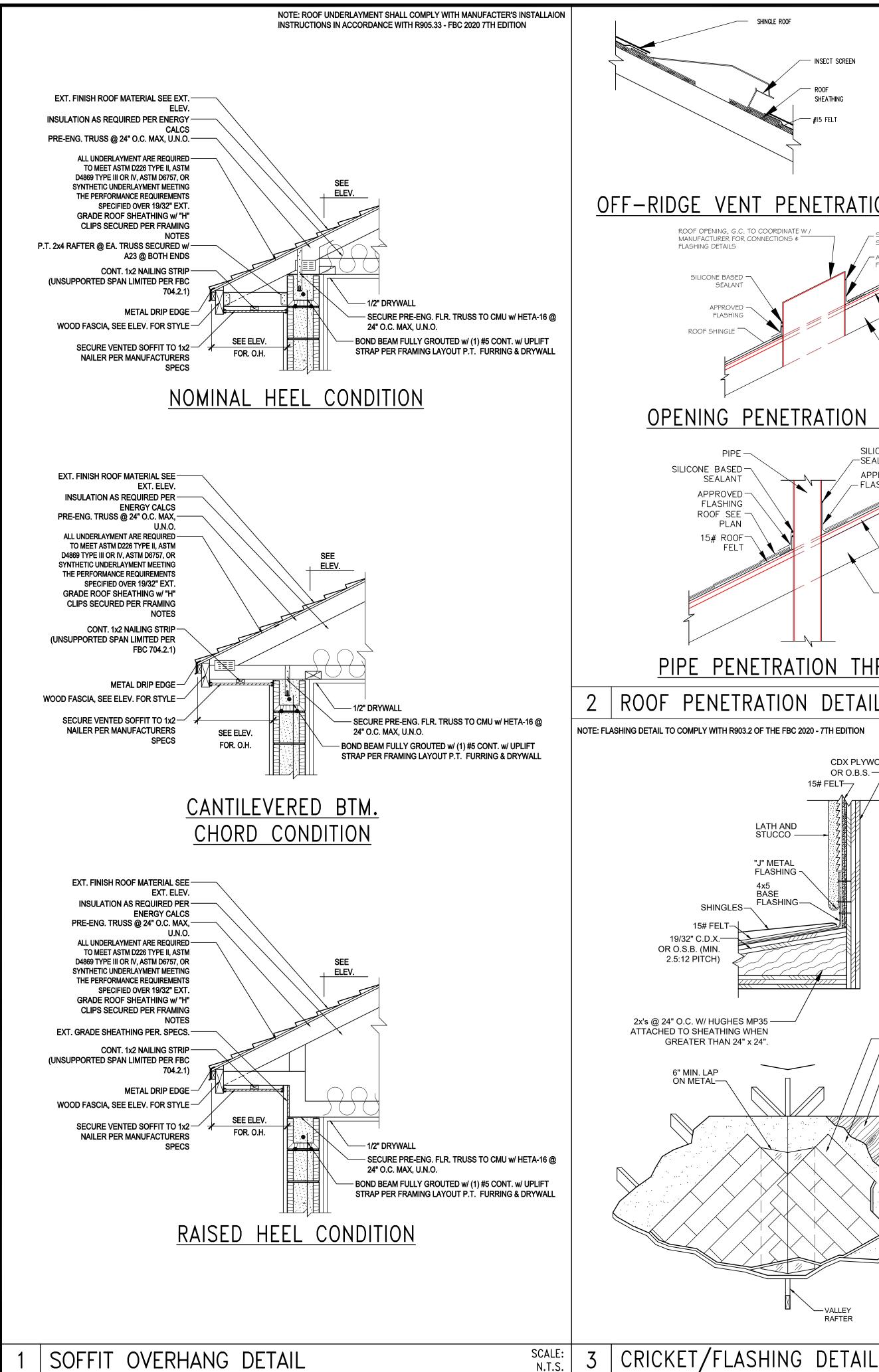
VAPOR PROOF

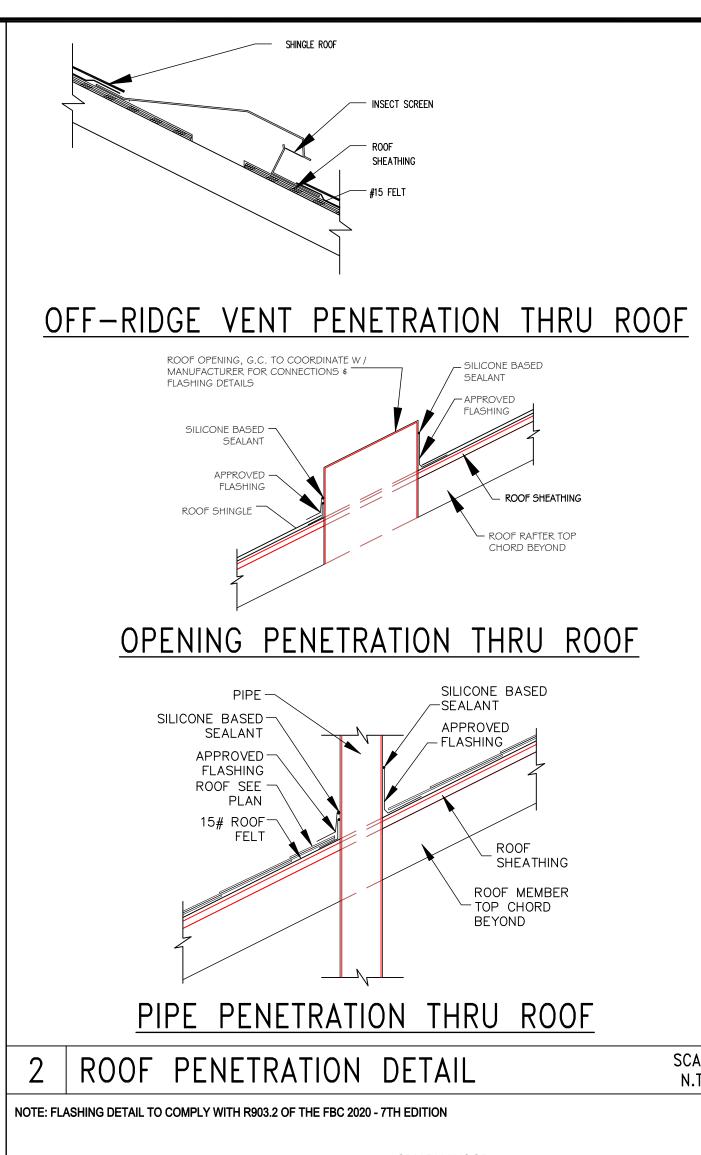
ARC FAULT PROTECTION

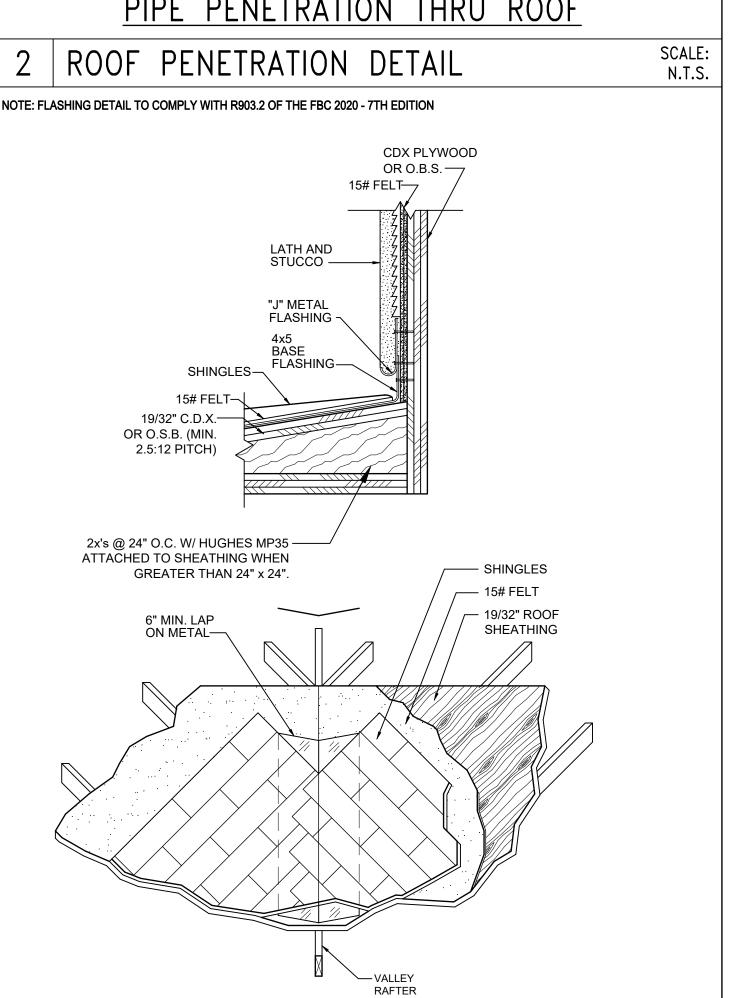
Electrical Plan "A,B,C"

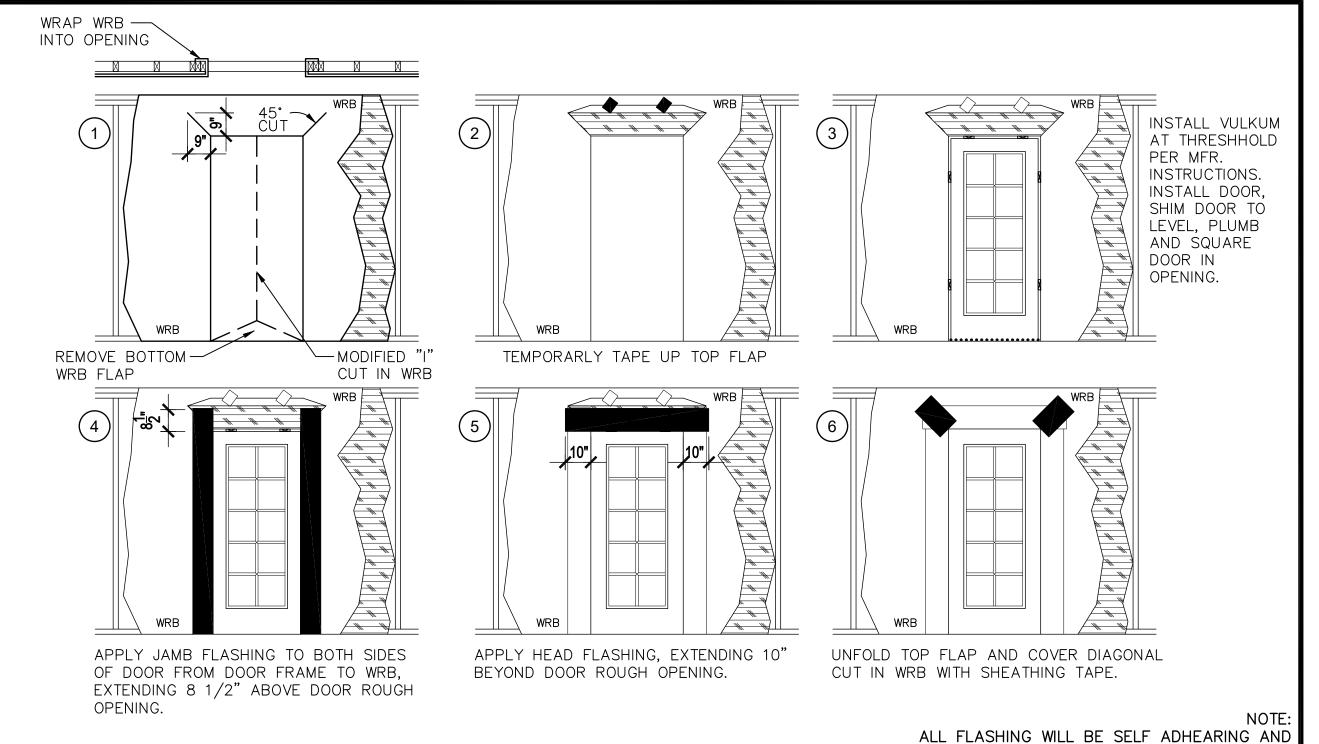
(Standard)

SCALE: 1/8" = 1'-0" (11x17) 1/4" = 1'-0" (22x34)





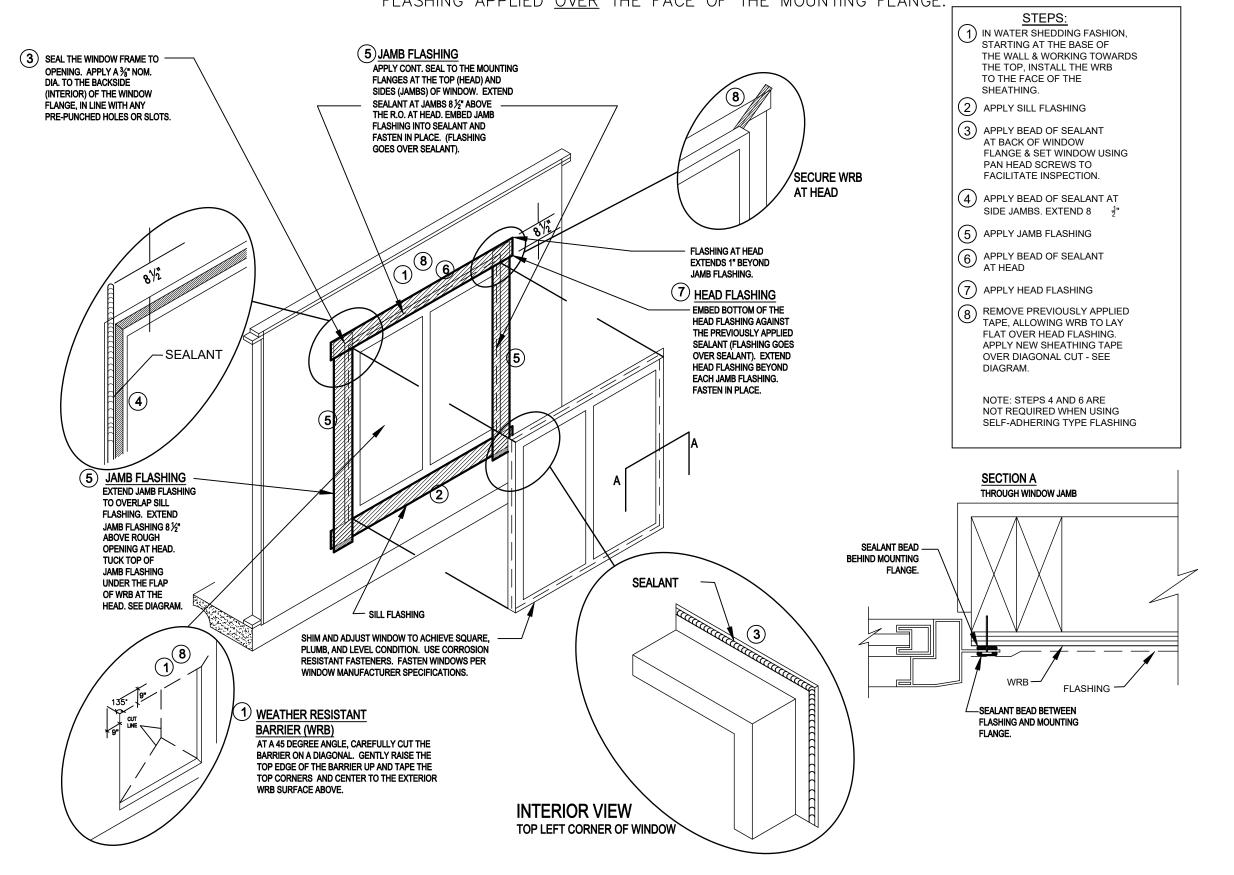




ROLLED SMOOTH & FLAT WITH A J-ROLLER EXTERIOR DOOR FLASHING SCAL

WINDOW INSTALLATION (METHOD A-1) (ASTM E 2112-01)

WEATHER RESITIVE BARRIER (WRB) APPLIED PRIOR TO THE WINDOW INSTALLATION. FLASHING APPLIED OVER THE FACE OF THE MOUNTING FLANGE.



ALL FLASHING WILL BE SELF ADHEARING AND ROLLED SMOOTH & FLAT WITH A J-ROLLER.

DETAILS

WINDOW FLASHING "METHOD A-1"

SCALE: N.T.S.

SCALE N.T.S

N.T.S

DRAWN BY: S.B. DESIGNED BY: MJS

SSUE DATE | 06/07/2019

REVISIONS

PROJECT: 19-0274

AS NOTED

GOBA

40-1662

Lot # - Subdivision
Street Address
City, State. Zip

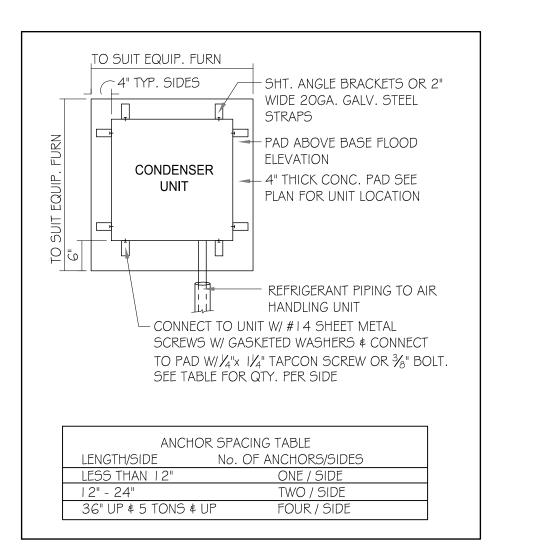
A division of Park Square

Enterprises Inc.

5200 Vineland Rd. Suite #200

Orlando, Fl. 32811

Phone: (407) 529-3000



COND. ANCHOR DETAIL

FIELD REPAIR NOTES

I - MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.

2- BLOCK WALL OVERHANGING SLAB CONDITION: UP TO 7/8" - NO REPAIR NECESSARY 7/8" TO 11/4" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED. 11/4"+ - REQUIRE SPECIAL ENGINEERING LETTER.

3- PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS I 2 @ TOP AND BOTTOM PLATE.

VERIFICATION OF FIELD CONDITIONS:

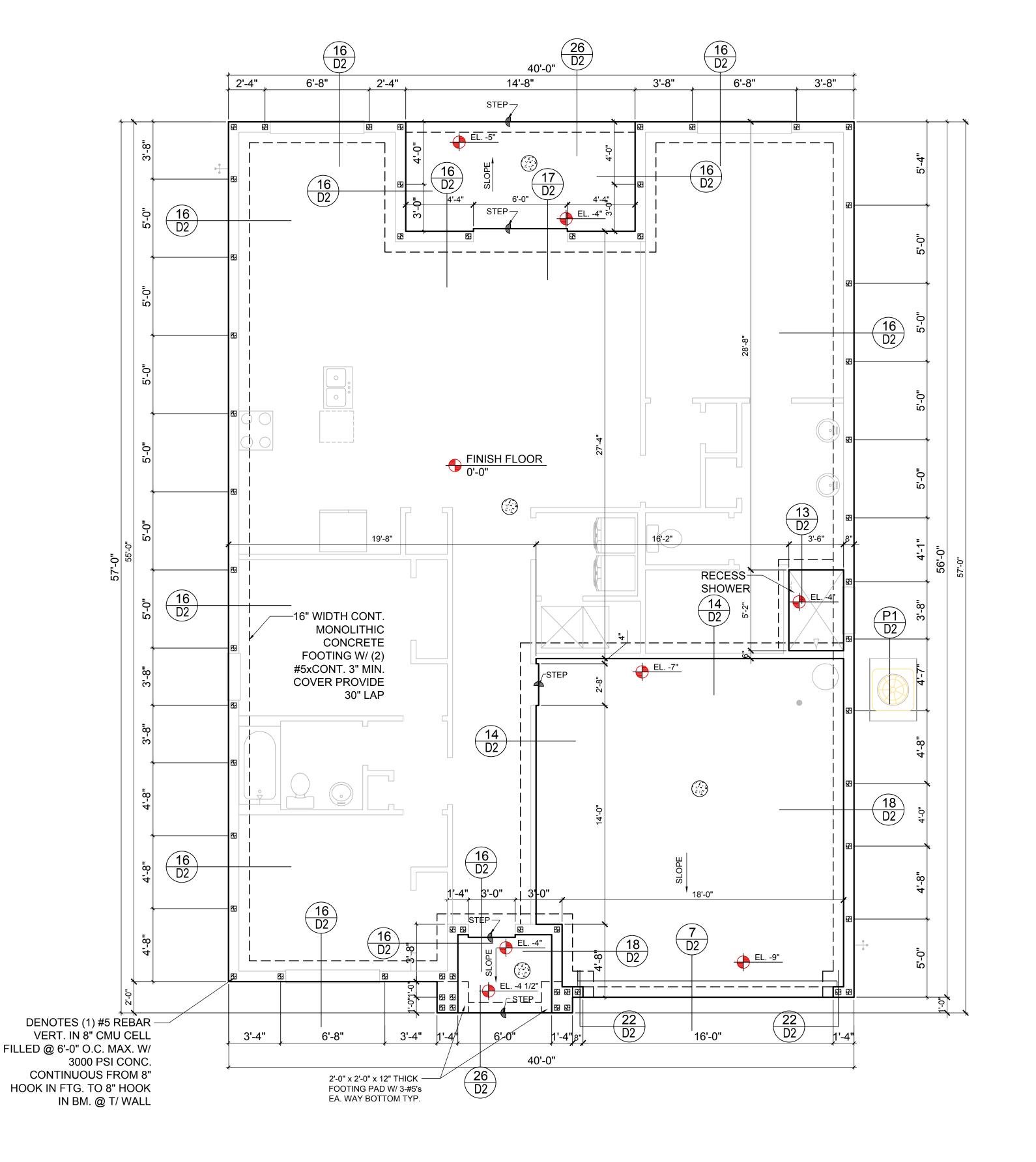
CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS RELATIVE TO SAME. WHERE THERE ARE CONFLICTS BETWEEN ACTUAL FIELD CONDITIONS AND DATA PRESENTED IN THE DRAWINGS, SUCH CONDITIONS SHALL BE CALLED TO THE ARCHITECT'S AND OR TO THE ENGINEER OF RECORD'S (EOR) ATTENTION AND NECESSARY ADJUSTMENTS MADE PER THEIR INSTRUCTIONS.

FOUNDATION NOTES

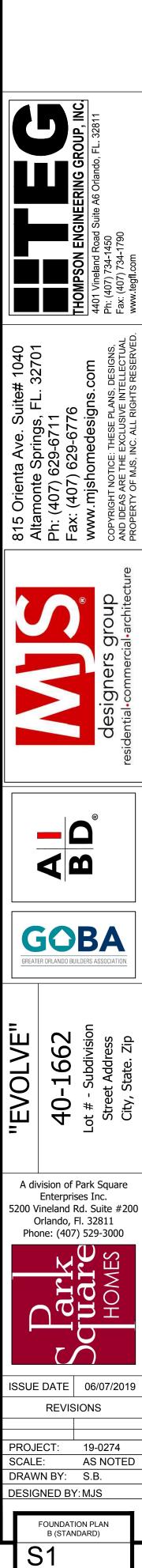
- I. \blacksquare CONTRACTOR VERIFY ALL DIMENSIONS ON JOB SITE.
- 2. DENOTES FILL CELL REINF. W/ CONC. W/ I #5 REBAR. GRADE 60.

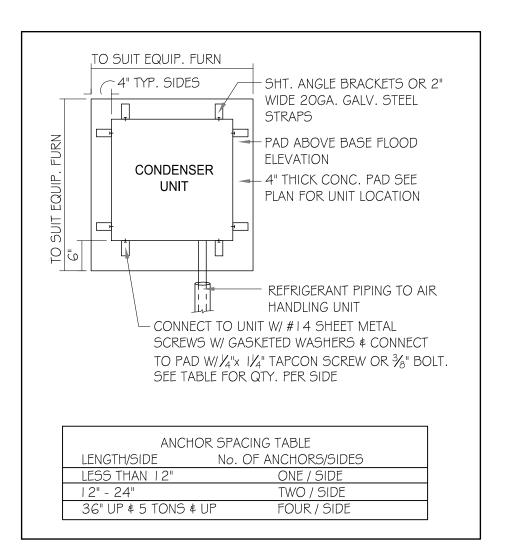
 DENOTES FILL CELL RE NE_ W/ CONC. W/ 2-#5 REBAR.

 GRADE 60
- 3. DENOTES FLOOR SLAB OF PLANT MIX CONCRETE 3000 P.S. I.
 4" THICK WITH GXG IO/IO GAUGE REINFORCING MAT. W/ MIN.
 I" COVER TERMITE TREATED SOIL WITH 0.006mm (6mil)
 POLYETHYLENE VAPOR BARRIER OVER COMPACTED CLEAN FILL.
 WWF SHALL BE PLACE IN MIDDLE TO UPPER THIRD OF SLAB AND
 SUPPORTED ON APPROVED SLAB BOLSTERS. *FIBER MESH
 REINFORCEMENT MAY USED AS ALTERNATIVE TO WIRE.
- 4. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPER-VISOR FOR CLARIFICATION.
- 5. WATER HEATER T&P RELIEF VALVE SHALL E FULL SIZE TO EXTERIOR. WATER HEATER AT OR ABOVE FLOOR LEVEL 61-FALL E IN A FAN WITH DRAIN TO EXTERIOR. WATER HEATER SHALL HAVE AFFROVED THERMAL EXPANSION DEVICE
- 6. PAVERS MAY BE USED ILO CONCRETE SLABS IN PATIO, PORCH, DRIVE AND WALKWAY AREAS. DELETE SLAB IN AREAS PAVERS ARE USED.
- 7. MECHANICAL EQUIP. LOCATIONS WILL BE DETERMINED BY COMMUNITY AND COUNTY CODES.
- 8. IN LIEU OF TREATING THE SOIL, AN ALTERNATIVE TO TERMITE TREATED SOIL CA BE PREMISE 75 WP TERMICIDE.
- 9. BORA -CARE TO BE APPLIED ON INTERIOR WALLS W/
 MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS,
 PURSUANT FLORIDA BUILDING CODE LATEST EDITION.



FOUNDATION PLAN (STANDARD) 1/8"=1'-0" (11x17) 1/4"=1'-0" (22x34)





COND. ANCHOR DETAIL

FIELD REPAIR NOTES

MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.

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VERIFICATION OF FIELD CONDITIONS:

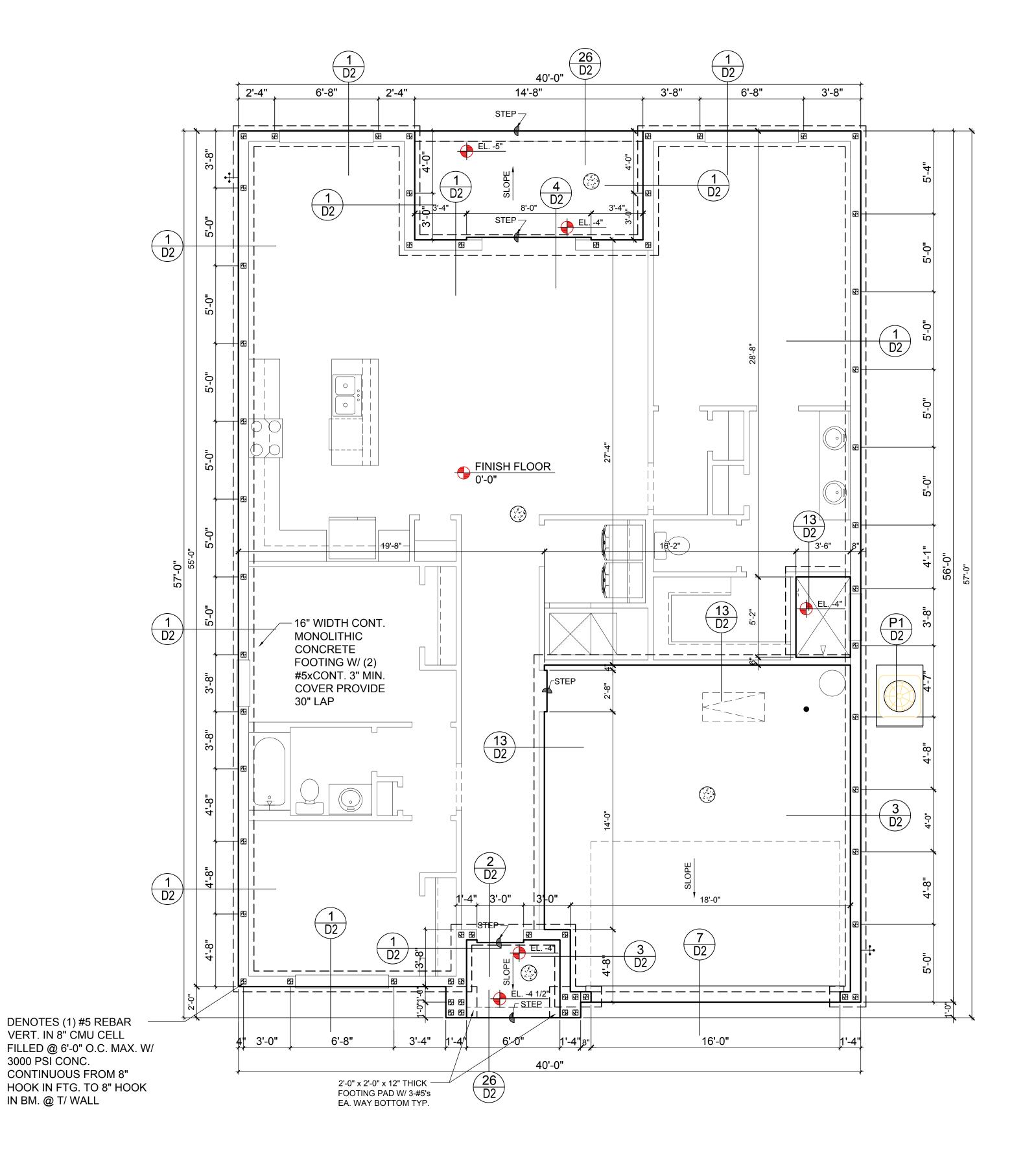
CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS RELATIVE TO SAME. WHERE THERE ARE CONFLICTS BETWEEN ACTUAL FIELD CONDITIONS AND DATA PRESENTED IN THE DRAWINGS, SUCH CONDITIONS SHALL BE CALLED TO THE ARCHITECT'S AND OR TO THE ENGINEER OF RECORD'S (EOR) ATTENTION AND NECESSARY ADJUSTMENTS MADE PER THEIR INSTRUCTIONS.

FOUNDATION NOTES

- CONTRACTOR VERIFY ALL DIMENSIONS ON JOB SITE.
- (III) DENOTES FILL CELL REINF. W/ CONC. W/ I #5 REBAR. GRADE 60. DENOTES FILL CELL RE NE_ W/ CONC. W/ 2-#5 REBAR. GRADE 60
- 3.igoplus DENOTES FLOOR SLAB OF PLANT MIX CONCRETE 3000 P.S. I . 4" THICK WITH 6X6 10/10 GAUGE REINFORCING MAT. W/ MIN. I" COVER TERMITE TREATED SOIL WITH O.OOGmm (Gmil) POLYETHYLENE VAPOR BARRIER OVER COMPACTED CLEAN FILL. WWF SHALL BE PLACE IN MIDDLE TO UPPER THIRD OF SLAB AND SUPPORTED ON APPROVED SLAB BOLSTERS. *FIBER MESH REINFORCEMENT MAY USED AS ALTERNATIVE TO WIRE.
- 4. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPER-VISOR FOR CLARIFICATION.
- WATER HEATER T&P RELIEF VALVE SHALL E FULL SIZE TO EXTERIOR. WATER HEATER AT OR ABOVE FLOOR LEVEL 61-FALL E IN A FAN WITH DRAIN TO EXTERIOR. WATER HEATER SHALL HAVE AFFROVED THERMAL EXPANSION DEVICE

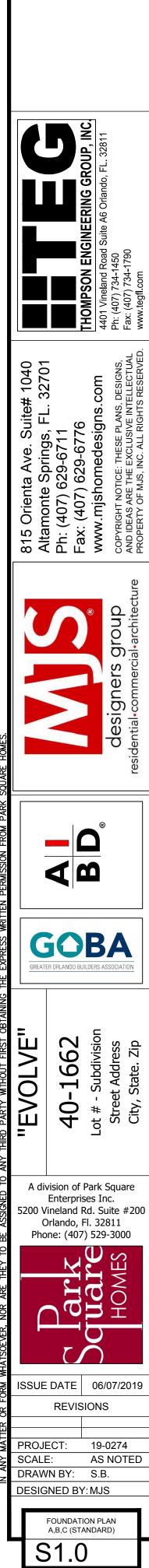
3000 PSI CONC.

- PAVERS MAY BE USED ILO CONCRETE SLABS IN PATIO, PORCH, DRIVE AND WALKWAY AREAS. DELETE SLAB IN AREAS PAVERS ARE USED.
- 7. MECHANICAL EQUIP. LOCATIONS WILL BE DETERMINED BY COMMUNITY AND COUNTY CODES.
- 8. IN LIEU OF TREATING THE SOIL, AN ALTERNATIVE TO TERMITE TREATED SOIL CA BE PREMISE 75 WP TERMICIDE.
- 9. BORA -CARE TO BE APPLIED ON INTERIOR WALLS W/ MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, PURSUANT FLORIDA BUILDING CODE LATEST EDITION.



FOUNDATION PLAN

A, B, C (STANDARD) 1/8"=1'-0" (11x17) 1/4"=1'-0" (22x34)



SAFE LOAD TABLES FOR GRAVITY, UPLIFT & LATERAL LOADS 8" PRECAST & PRESTRESSED U-LINTELS

				GRAVITY									
		TYPE	21.12	8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-			
LENG	TH	1112	8U8	8F8-1B	8F12-1B	8F16-1B	8F20-1B	8F24-1B	8F28-1B	8F32-			
				3166	4473	6039	7526	9004	10472	1193			
2'-10"	(34")	PRECAST	2302	3166	4473	6039	7526	9004	10472	1193			
01.011	(4011)	DDEGAGE	0000	3138	3377	4689	6001	7315	8630	994			
3'-6"	(42")	PRECAST	2302	3166	4473	6039	7526	9004	10472	1193			
4' O"	(40")	PRECAST	0000	2325	2496	3467	4438	5410	6384	735			
4'-0"	(48")	PRECASI	2029	2646	4473	6039	7526	9004	10472	1193			
4'-6"	(54")	PRECAST	1051	1787	1913	2657	3403	4149	4896	564			
4-0	(34)	FILLOAGI	1651	2170	4027	6039	7526	9004	10472	966			
E! 4"	(G4")	DDECAST	4404	1223	1301	1809	2317	2826	3336	384			
5'-4"	(64")	PRECAST	1184	1665	2889	5057	6096	5400	6424	745			
E' 10"	(70")	DDECAST	070	1000	1059	1474	1889	2304	2721	313			
5'-10"	(70")	PRECAST	972	1459	2464	4144	5458	4437	5280	612			
6'-6"	(78")	PRECAST	007	1255	2101	3263	2746	3358	3971	458			
	(78")		937	1255	2101	3396	5260	7134	8995	689			
7' 6"	(00")	DDECAST	707	1029	1675	2385	1994	2439	2886	333			
7'-6"	(90")	PRECAST	767	1029	1675	2610	3839	5596	6613	504			
0! 0"	(06")	DDECACT	670	830	1362	1927	1602	1961	2320	268			
8'-0"	(96")	PRECAST	670	899	1445	2214	3192	4533	6513	408			
יים ים	(104")	DDECAST	040	767	1257	1779	1479	1810	2142	247			
8'-8"	(104)	PRECAST	618	829	1332	2044	2946	4184	6012	377			
9'-4"	(112")	PRECAST	570	632	1049	1469	1210	1482	1754	202			
J- 1	(112)	TREOAGT	573	768	1212	1818	2544	3469	4030	312			
10'-6"	(126")	PRECAST	450	482	802	1125	915	1122	1328	153			
10-0	(120)	FILLOAGI	456	658	1025	1514	2081	2774	3130	240			
11'-4"	(136")	PRECAST	115	598	935	1365	1854	2355	1793	207			
11- 4	(130)	FILLOAGI	445	598	935	1365	1854	2441	3155	404			
12' N"	(1141")	DDECAST	111	545	864	1254	1689	2074	1570	181			
12'-0"	(144")	PRECAST	414	555	864	1254	1693	2211	2832	359			
13'-4"	(160")	PRECAST	362	427	726	1028	1331	1635	1224	141			
10-4	(160")	FINEUMOT	362	485	748	1076	1438	1855	2343	292			
14'-0"	(168")	PRECAST	338	381	648	919	1190	1462	1087	126			
17 -0	(100)	INLUAUI	330	455	700	1003	1335	1714	2153	266			
14'-8"	(176"))	ND	NR	NR	NR	NR	NR	NR	NR			
	PREST	RESSED	N.R.	465	765	1370	2045	2610	3185	376			
15'-4"	(184")		N.R.	NR	NR	NR	NR	NR	NR	NR			
	PREST	RESSED	IN.FX.	420	695	1250	1855	2370	2890	341			
17'-4"	(208")	N.R.	NR	NR	NR	NR	NR	NR	NR			
	PREST	RESSED	IN.FX.	310	530	950	1400	1800	2200	260			
19'-4"	(232"		ND	NR	NR	NR	NR	NR	NR	NR			
		RESSED	N.R.	240	400	750	1090	1400	1720	203			
21'-4"	(256"		ND	NR	NR	NR	NR	NR	NR	NR			
	PRES1	TRESSED	N.R.	183	330	610	940	1340	1780	211			
22'-0"	(264"		N.R.	NR	NR	NR	NR	NR	NR	NR			
		TRESSED	IN.FX.	160	300	570	870	1250	1660	197			
24'-0"	(288"		ND	NR	NR	NR	NR	NR	NR	NR			
	PREST	ressed	N.R.	130	240	470	720	1030	1350	161			

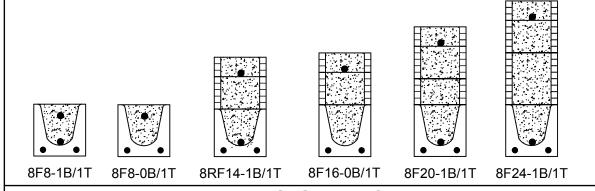
8" PRECAST W/ 2" RECESS DOOR U-LINTELS GRAVITY

TYPE	ODLIG	8RF6-0B	8RF10-0B	8RF14-0B	8RF18-0B	8RF22-0B	8RF26-0B 8I	RF30-0B
LENGTH	8RU6	8RF6-1B	8RF10-1B	8RF14-1B	8RF18-1B	8RF22-1B	8RF26-1B 8I	RF30-1B
4'-4"(52") PRECAST	1489	1591	3053	2982	3954	4929	5904	6880
4-4 (52) PRECAST	1409	1827	3412	4982	6472	7947	9416	10878
4'-6"(54") PRECAST	1357	1449	2782	2714	3600	4487	5375	6264
4-0 (54)1 NEOA51	1337	1702	3412	4982	6472	7947	9416	10878
FLOWCOUN DDECAGE	785	832	1602	1550	2058	2566	3075	3585
5'-8"(68") PRECAST	785	1153	2162	4074	6472	6516	5814	6839
5'-10'70") PRECAST	735	779	1500	1449	1924	2400	2876	3352
5-1470) PRECAST	735	1103	2051	3811	6472	6516	5450	6411
6'-8"(80") PRECAST	822	907	1677	2933	2576	3223	3872	4522
0-0 (00) FIXECAST	022	907	1677	2933	4100	6730	8177	6707
7! 6"(00") DDECACT	665	761	1377	2252	1958	2451	2944	3439
7'-6"(90") PRECAST	000	764	1377	2329	3609	5492	6624	5132
9'-8"(116")PRECAST	371	420	834	1253	1071	1342	1614	1886
3-0 (110)I KLOAGI	37 1	535	928	1497	2179	2618	3595	2875

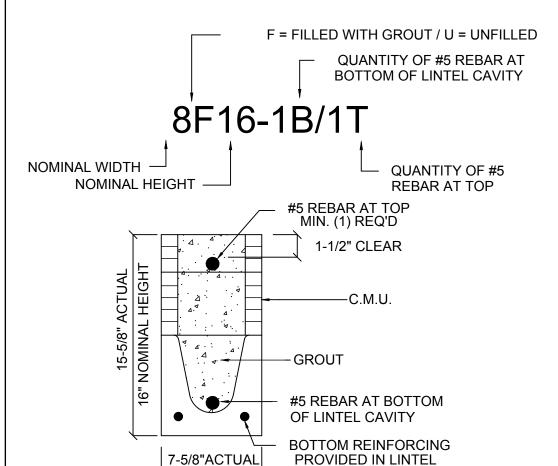
8" PRECAST & PRESTRESSED U-LINTELS

				U	PLIF	- T			LATE	ER/
	TYPE	8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F28-1T	8F32-1T	01.5	
LENG	TH THE	8F8-2T	8F12-2T	8F16-2T	8F20-2T	8F24-2T	8F28-2T	8F32-2T	8U8	8
0! 40"	(24") DDECACT	2727	2878	4101	5332	6569	7811	9055	2024	20
2'-10"	(34") PRECAST	2727	2784	3981	5190	6407	7630	8857	2021	20
3'-6"	(42") PRECAST	2165	2289	3260	4237	5219	6204	7192	1257	12
3-0	(42) FRECAST	2165	2215	3165	4125	5091	6061	7036	1237	'2
4'-0"	(48") PRECAST	1878	1989	2832	3680	4532	5387	6245	938	9
	(10) 11120/101	1878	1925	2750	3583	4422	5264	6110	330	٥
4'-6"	(54") PRECAST	1660	1762	2507	3257	4010	4767	5525	727	7
	(01) 11120/101	1660	1705	2435	3171	3913	4658	5406	121	Ľ
5'-4"	(64") PRECAST	1393*	1484	2110	2741	3375	4010	4648	505	5
J- 4	(04) FINLOAGI	1393	1437	2050	2670	3293	3920	4549	303	5
5'-10"	(70") PRECAST	1272*	1357	1930	2505	3084	3665	4247	110	۱,
3-10	(70) PRECAST	1272	1315	1875	2441	3010	3583	4157	418	4
6'-6"	(78") PRECAST	1141*	1200	1733	2250	2769	3290	3812	707	
0-0	(76) PRECAST	1141	1182	1684	2192	2703	3216	3732	707	8
71.01	(00II) DDE040T	959*	912	1475	1914	2354	2797	3240	504	
7'-6"	(90") PRECAST	990	1029	1466	1907	2351	2797	3245	591	6
0' 4"	(440") DDECACT	801*	612	980	1269	1560	1852	2144		
9'-4"	(112")PRECAST	801	755	1192	1550	1910	2271	2634	454	6
	// CON	716*	498	793	1027	1261	1496	1731		
10'-6"	(126") PRECAST	716	611	1039	1389	1711	2034	2358	396	4
		666*	439	696	899	1104	1309	1515		
11'-4"	(136") PRECAST	666	535	905	1295	1595	1896	2198	363	5
		607*	400	631	816	1001	1186	1372		
12'-0"	(144") PRECAST	631	486	818	1209	1514	1799	2086	340	4
		500*	340	532	686	841	997	1153		
13'-4"	(160") PRECAST	573	409	682	1004	1367	1637	1897	302	39
		458*	316	493	635	778	922	1065		
14'-0"	(168") PRECAST	548	378	629	922	1254	1567	1816	286	3
14'-8"	(176")	243	295	459	591	724	857	990		
	PRESTRESSED	243	352	582	852	1156	1491	1742	N.R.	3
15'-4"	(184")	228	278	430	553	677	801	925		
10 1	PRESTRESSED	228	329	542	791	1072	1381	1676	N.R.	3
17'-4"	(208")	188	236	361	464	567	670	774		
17 -4	PRESTRESSED	188	276	449	649	874	1121	1389	N.R.	2
19'-4"	(232")	165	207	313	401	490	578	667		
15 4	PRESTRESSED	165	239	383	550	736	940	1160	N.R.	2
21'-4"	(256")	145	186	278	356	433	512	590		
_	PRESTRESSED	142	212	336	477	635	807	993	N.R.	1
22'-0"	(264")	140	180	268	343	418	493	568		
	PRESTRESSED	137	205	322	457	607	771	947	N.R.	1
24'-0"	(288")	127	165	244	312	380	447	515		
	PRESTRESSED	124	186	290	408	538	680	833	N.R.	1

*REDUCE VALUE BY 25% FOR GRADE 40 FIELD REBAR



TYPE DESIGNATION



PROVIDED IN LINTEL (VARIES)

MATERIALS

- 1. f'c precast lintels = 3500 psi.
- 2. f'c prestressed lintels = 6000 psi.
- f'c grout = 3000 psi w/ maximum 3/8" aggregate.
 Concrete masonry units (CMU) per ASTM C90 w/

8" NOMINAL WIDTH

- minimum net area compressive strength = 1900 psi.
- Rebar provided in precast lintel per ASTM A615
- GR60. Field rebar per ASTM A615 GR40 or GR60. Prestressing strand per ASTM A416 grade
- 270 low relaxation.
- 7/32 wire per ASTM A510. 3. Mortar per ASTM C270 type M or S.

GENERAL NOTES

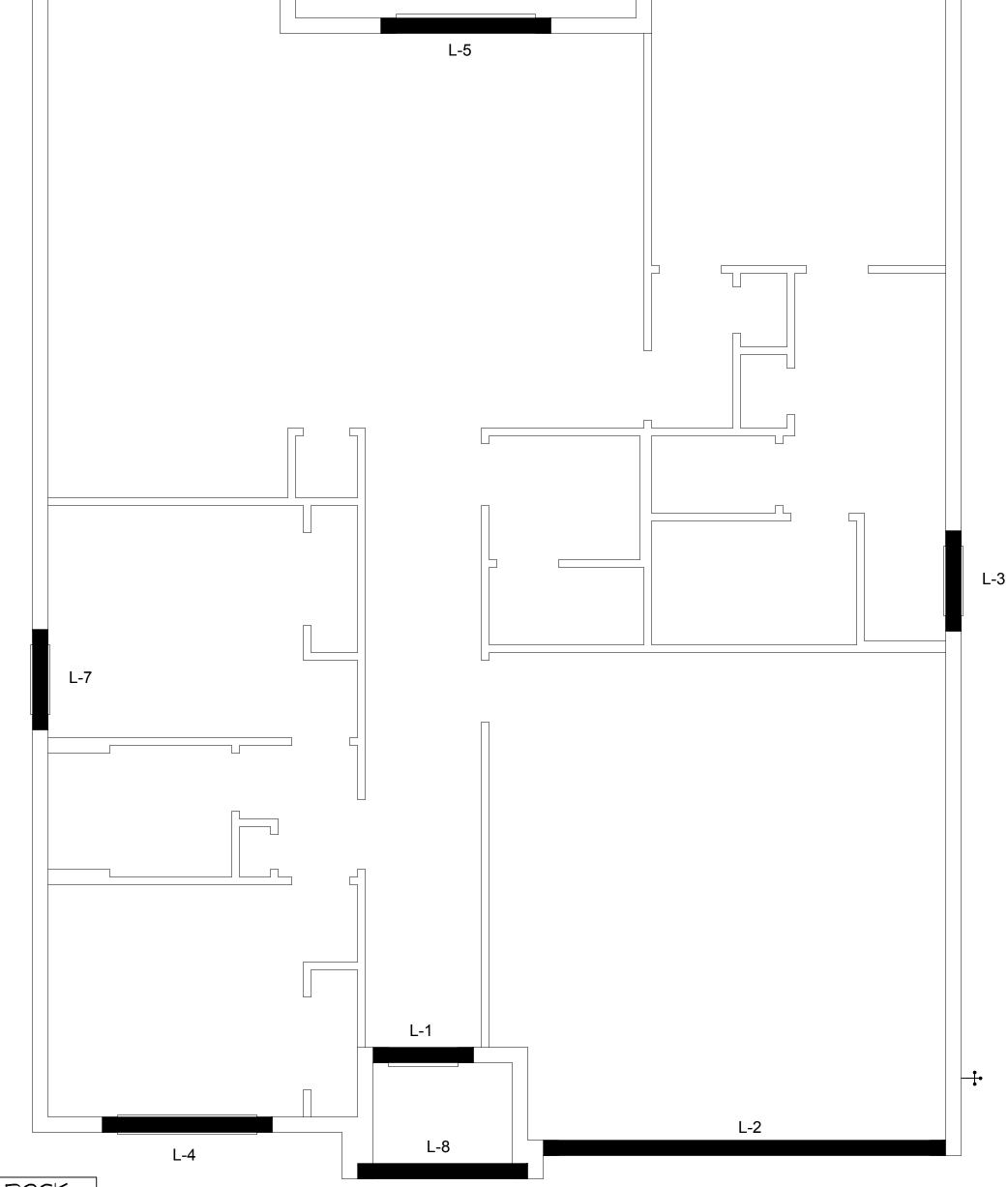
- 1. Provide full mortar head and bed joints. 2. Shore filled lintels as required.
- 3. Installation of lintel must comply with the architectural and/or structural drawings.
- 4. Lintels are manufactured with 5-1/2" long notches at the ends to accommodate vertical cell reinforcing and grouting.
- 5. All lintels meet or exceed L/360 vertical deflection, except
- lintels 17'-4" and longer with a nominal height of 8" meet or
- 6. Bottom field added rebar to be located at the bottom of the lintel cavity.
- 7. 7/32" diameter wire stirrups are welded to the bottom steel for mechanical anchorage.
- 8. Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.
- 9. Safe load ratings based on rational design analysis per ACI 318 and ACI 530

SAFE LOAD TABLE NOTES

- 1. All values based on minimum 4" bearing. Exception: Safe loads for unfilled lintels must be reduced by 20% if bearing length is less than 6-1/2". Safe loads for all recessed lintels based on 8" nominal bearing.
- 2. N.R. = Not Rated.
- 3. Safe loads are total superimposed allowable load on the
- section specified.
- 4. Safe loads based on grade 40 or grade 60 field rebar.
- 5. Additional lateral load capacity can be obtained by the designer by providing addional reinforced masonry above the precast lintel.
- 6. One #7 rebar may be substituted for two #5 rebars in 8" lintels only.
- 7. The designer may evaluate concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at d-away from the face of support.
- 8. For composite lintel heights not shown, use safe load from next lower height.
- 9. All safe loads in units of pounds per linear foot.

8" PRECAST W/ 2" RECESS DOOR U-LINTELS

			UPLIFT								
$\overline{}$	TVDE	8RF6-1T	8RF10-1T	8RF14-1T	8RF18-1T	8RF22-1T	8RF26-1T	8RF30-1T		٥٦٥٥	
GTH			8RF10-2T	8RF14-2T	8RF18-2T	8RF22-2T	8RF26-2T	8RF30-2T	8RU6	8RF6 	
(EO!!)	DDECAST	1244	1573	2413	3260	4112	4967	5825	022	932	
(52)	FRECASI	1244	1519	2339	3170	4008	4850	5696	932	932	
(54")	DDECAST.	1192	1507	2311	3121	3937	4756	5577	953	853	
(34)	TILOAGI	1192	1455	2240	3036	3837	4643	5453	853	853	
(60")	DDECACE	924*	1172	1795	2423	3055	3689	4325	501	501	
(68")	PRECAST	924	1132	1741	2357	2978	3603	4230	501	301	
(70")	DDECACT	896*	1138	1742	2352	2965	3581	4198	460	460	
(70)	PRECASI	896	1099	1690	2288	2891	3497	4106	469	469	
(90")	DDECAST	778	882	1513	2042	2573	3107	3642	020	1100	
(60)	PRECASI	778	956	1468	1987	2509	3035	3563	830	1100	
(00!)	DDECAGE	688	697	1325	1810	2280	2753	3227	710	941	
(90")	PRECAST	688	849	1302	1762	2225	2690	3157	710	941	
(116"	\DDEC\QT	533*	433	808	1123	1413	1704	1995	516	614	
9'-8" (116")PRECAS		533	527	1009	1369	1728	2088	2450	516	614	
	(54") (68") (70") (80")	(52") PRECAST (54") PRECAST (68") PRECAST	STH 8RF6-2T 8RF6-2T	STH	TYPE 8RF6-1T 8RF10-1T 8RF14-1T 8RF6-2T 3RF10-2T 8RF14-2T 1244 1573 2413 1244 1519 2339 1244 1519 2339 1455 2240 1455 2240 1455 2240 1455 1455 168" PRECAST 192 1455 2240 1455 1741 172 1795 1741 175 1741 175 175 175 175 175 175 175 175 175 17	TYPE 8RF6-1T 8RF10-1T 8RF14-1T 8RF18-1T 8RF6-2T 3RF10-2T 8RF14-2T 8RF18-2T 1244 1573 2413 3260 1244 1519 2339 3170 1244 1519 2339 3170 1455 2240 3036 1455 2240 3036 1455 2240 3036 1455 2240 3036 1455 2240 3036 1455 2240 3036 1455 2240 3036 1455 2240 3036 1455 2240 3036 1455 2240 3036 1455 2240 3036 1455 2240 3036 1455 2240 3036 1455 2240 3036 1455 2423 1455 2423 1455 2423 1455 2423 1455 2423 1455 2423 1455 2423 1455 2423 1455 2423 1455 2423 1455 2423 1455 2423 1455 2423 1455 2423 1455 2423 1455 1450 1450 1450 1450 1450 1450 1450	TYPE 8RF6-1T 8RF10-1T 8RF14-1T 8RF18-1T 8RF22-1T 8RF6-2T 3RF10-2T 8RF14-2T 8RF18-2T 8RF22-2T 1244 1573 2413 3260 4112 1244 1519 2339 3170 4008 1244 1519 2339 3170 4008 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1192 1455 2240 3036 3837 1102 1705 2423 3055 1102 1705 2423 3055 1102 1705 1705 1705 1705 1705 1705 1705 1705	TYPE 8RF6-1T 8RF10-1T 8RF14-1T 8RF18-1T 8RF22-1T 8RF26-1T 8RF6-2T 8RF10-2T 8RF14-2T 8RF18-2T 8RF22-2T 8RF26-2T 1244 1573 2413 3260 4112 4967 1244 1519 2339 3170 4008 4850 1192 1507 2311 3121 3937 4756 1192 1455 2240 3036 3837 4643 1192 1455 2240 3036 3837 4643 1192 1455 2240 3036 3837 4643 1192 1455 2240 3036 3837 4643 1192 1455 2240 3036 3837 4643 1192 1455 2240 3036 3837 4643 1192 1455 2240 3036 3837 4643 1192 1455 2240 3036 3837 4643 1192 1455 2240 3036 3837 4643 1192 1795 2423 3055 3689 1123 1741 2357 2978 3603 1192 1741 2357 2978 3603 1102 1741 2357 2978 3603 1102 1741 2357 2978 3603 1103 1103 1103 1103 1103 1103 1103	TYPE SRF6-1T SRF10-1T SRF14-1T SRF18-1T SRF22-1T SRF26-1T SRF30-1T	TYPE 8RF6-1T 8RF10-1T 8RF14-1T 8RF18-1T 8RF22-1T 8RF26-1T 8RF30-1T 8RF0-2T 8RF10-2T 8RF14-2T 8RF18-2T 8RF22-2T 8RF26-2T 8RF30-2T 8RF0-2T 8RF10-2T 8RF14-2T 8RF18-2T 8RF22-2T 8RF26-2T 8RF30-2T 8RF0-2T 8RF30-2T 8RF0-2T 8RF30-2T 8R5	



L-6

L-4

CAST CRETE / LOTTS / WEKIWA / FLORIDA ROCK PRECAST LINTEL SCHEDULE LINTEL COMMENTS TYPE LENGTH

NO. 4'-6" 3080 DR 8RF14-1B/1T 17'-4" 16'-0" × 7'-0" GAR. DR. L-2 8F32-1B/1T 8F16-1B/1T L-3 4'-6" 3010 F.G. 8F16-1B/1T L-4 7'-6" (2) 3*0*50 S.H. L-5 8F16-1B/1T 6'-0" × 8'-0" S.G.D. 7'-6" 17'-4" 8F16-1B/IT L-6 LANAI **∟**-7 8F16-1B/1T 4'-6" 3050 S.H. L-8 8F8-1B/1T 7'-6" ENTRY

PRECAST LINTEL PLAN A (STANDARD) 1/8"=1'-0" (11x17) 1/4"=1'-0" (22x34)







"EVOLVE -1662 Subdivision 40-...

A division of Park Square Enterprises Inc. 5200 Vineland Rd. Suite #200 Orlando, Fl. 32811 Phone: (407) 529-3000



ISSUE DATE 06/07/2019 REVISIONS

PROJECT: 19-0274 AS NOTED SCALE: DRAWN BY: S.B. DESIGNED BY: MJS

PRECAST LINTEL PLAN & NOTES C (STANDARD)

SAFE LOAD TABLES FOR GRAVITY, UPLIFT & LATERAL LOADS 8" PRECAST & PRESTRESSED U-LINTELS

			GRAVITY							
		TYPE		8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-0
LENG	TH	TIFE	8U8	8F8-1B	8F12-1B	8F16-1B	8F20-1B	8F24-1B	8F28-1B	8F32-1
	(5 (III)			3166	4473	6039	7526	9004	10472	11936
2'-10"	(34")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936
01.01	(40!!)	DDECAGE	0000	3138	3377	4689	6001	7315	8630	9947
3'-6"	(42")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936
4'-0"	(48")	PRECAST	2020	2325	2496	3467	4438	5410	6384	7358
4-0	(40)	FILLOAGI	2029	2646	4473	6039	7526	9004	10472	11936
4'-6"	(54")	PRECAST	1651	1787	1913	2657	3403	4149	4896	5644
	(0.)		1051	2170	4027	6039	7526	9004	10472	9668
5'-4"	(64")	PRECAST	1101	1223	1301	1809	2317	2826	3336	3846
J - 4	(04)	FINEOAGT	1184	1665	2889	5057	6096	5400	6424	7450
5'-10"	(70")	PRECAST	072	1000	1059	1474	1889	2304	2721	3137
J-10	(10)	I ALOAOT	972	1459	2464	4144	5458	4437	5280	6122
6'-6"	(78")	PRECAST	937	1255	2101	3263	2746	3358	3971	4585
	(10)		937	1255	2101	3396	5260	7134	8995	6890
7'-6"	(90")	PRECAST	767	1029	1675	2385	1994	2439	2886	3333
7-0	(30)	TILOAGI	707	1029	1675	2610	3839	5596	6613	5047
8'-0"	(96")	PRECAST	670	830	1362	1927	1602	1961	2320	2680
0-0	(30)	TILOAGI	070	899	1445	2214	3192	4533	6513	4087
8'-8"	(104")	PRECAST	618	767	1257	1779	1479	1810	2142	2474
	(104)	TREGAGI	010	829	1332	2044	2946	4184	6012	3773
9'-4"	(112")	PRECAST	573	632	1049	1469	1210	1482	1754	2027
	(/		3/3	768	1212	1818	2544	3469	4030	3127
10'-6"	(126")	PRECAST	456	482	802	1125	915	1122	1328	1535
	(:== /		450	658	1025	1514	2081	2774	3130	2404
11'-4"	(136")	PRECAST	445	598	935	1365	1854	2355	1793	2075
	(.00)		110	598	935	1365	1854	2441	3155	4044
12'-0"	(144")	PRECAST	414	545	864	1254	1689	2074	1570	1818
	(,			555	864	1254	1693	2211	2832	3590
13'-4"	(160")	PRECAST	362	427	726	1028	1331	1635	1224	1418
	(.55)		552	485	748	1076	1438	1855	2343	2920
14'-0"	(168")	PRECAST	338	381	648	919	1190	1462	1087	1260
	,			455	700	1003	1335	1714	2153	2666
14'-8"	(176")		N.R.	NR	NR	NR	NR	NR	NR	NR
		RESSED		465	765	1370	2045	2610	3185	3765
15'-4"	(184")		N.R.	NR	NR	NR 4050	NR	NR	NR	NR
		RESSED		420	695	1250	1855	2370	2890	3410
17'-4"	(208"		N.R.	NR 310	NR 520	NR	NR 1400	NR 1900	NR	NR
401 :::		RESSED		310 NR	530 NR	950 NR	1400 NR	1800 NR	2200	2600
19'-4"	(232" PREST) FRESSED	N.R.						NR 1720	NR
041.4"				240 NR	400 NR	750 NR	1090 NR	1400	1720	2030
21'-4"	(256" PRFS) FRESSED	N.R.					NR 1240	NR 1790	NR
22'-0"				183 NR	330 NR	610 NR	940 NR	1340 NR	1780 NR	2110 NR
∠∠ -U	(264" PRES) FRESSED	N.R.							
24'-0"	(288"			160 NR	300 NR	570 NR	870 NR	1250 NR	1660 NR	1970 NR
	(200)	N.R.	INL	INL	INT	INE	INEX	INEX	ואול

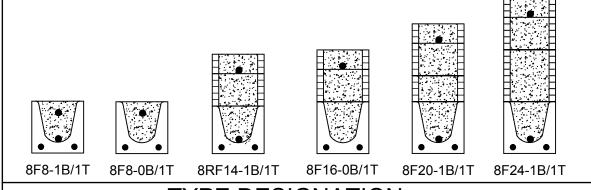
8" PRECAST W/ 2" RECESS DOOR U-LINTELS GRAVITY

TYPE	on ic	8RF6-0B	8RF10-0B	8RF14-0B	8RF18-0B	8RF22-0B	8RF26-0B	8RF30-0B
LENGTH	8RU6	8RF6-1B	8RF10-1B	8RF14-1B	8RF18-1B	8RF22-1B	8RF26-1B	8 R F30-1B
4'-4"(52") PRECAST	1489	1591	3053	2982	3954	4929	5904	6880
4-4 (52) PRECAST	1409	1827	3412	4982	6472	7947	9416	10878
4'-6"(54") PRECAST	1357	1449	2782	2714	3600	4487	5375	6264
4-0 (34)1 NECAS1	135/	1702	3412	4982	6472	7947	9416	10878
EL OU/COUN DDECACE	785	832	1602	1550	2058	2566	3075	3585
5'-8"(68") PRECAST	700	1153	2162	4074	6472	6516	5814	6839
EL 40770"\ DDECACT	725	779	1500	1449	1924	2400	2876	3352
5'-10(70") PRECAST	735	1103	2051	3811	6472	6516	5450	6411
6'-8"(80") PRECAST	822	907	1677	2933	2576	3223	3872	4522
0-0 (00) FRECAST	022	907	1677	2933	4100	6730	8177	6707
7! 6"/00"\ DDECACT	665	761	1377	2252	1958	2451	2944	3439
7'-6"(90") PRECAST	000	764	1377	2329	3609	5492	6624	5132
9'-8"(116")PRECAST	371	420	834	1253	1071	1342	1614	1886
9-0 (110)FRECAST	3/1	535	928	1497	2179	2618	3595	2875

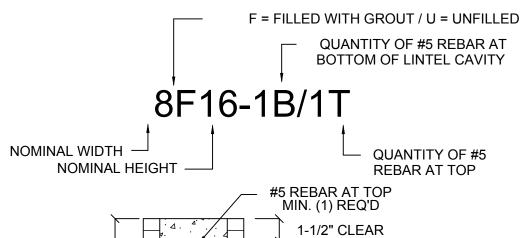
8" PRECAST & PRESTRESSED U-LINTELS

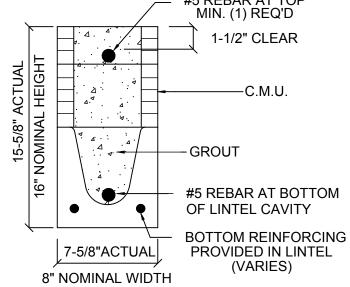
				U	PLIF	- T			LATE	ER/
LENGTH	TYPE	8F8-1T 8F8-2T	8F12-1T 8F12-2T	8F16-1T 8F16-2T		-	8F28-1T 8F28-2T	8F32-1T 8F32-2T	8U8	8
2'-10" (3	34") PRECAST	2727	2878	4101	5332	6569	7811	9055	2021	20
2-10 (D4) TRECAST	2727	2784	3981	5190	6407	7630	8857	2021	
3'-6" (4	42") PRECAST	2165	2289	3260	4237	5219	6204	7192	1257	12
	,	2165	2215 1989	3165	4125	5091	6061	7036		
4'-0" (4	48") PRECAST	1878	1909	2832	3680	4532	5387	6245	938	9
		1878 1660	1762	2750	3583	4422	5264	6110		
4'-6" (54") PRECAST	1660	1702	2507	3257	4010	4767	5525	727	7
		1393*	1484	2435 2110	3171 2741	3913 3375	4658 4010	5406		
5'-4" (6	64") PRECAST	1393	1437					4648	505	5
	-	1272*	1357	2050 1930	2670 2505	3293 3084	3920 3665	4549 4247		
5'-10" (7	70") PRECAST	1272	1315		2441	3010	3583	4157	418	4
		1141*	1200	1875 1733	2250	2769	3290	3812		
6'-6" (7	78") PRECAST	1141	1182	1684	2192	2703	3216	3732	707	8
		959*	912	1475	1914	2354	2797	3240		
7'-6" (9	90") PRECAST	990	1029	1466	1907	2351	2797	3245	591	6
		801*	612	980	1269	1560	1852	2144		
9'-4" (112")PRECAST	801	755	1192	1550	1910	2271	2634	454	6
		716*	498	793	1027	1261	1496	1731		
10'-6" (126") PRECAST	716	611	1039	1389	1711	2034	2358	396	4
		666*	439	696	899	1104	1309	1515		
11'-4" (136") PRECAST	666	535	905	1295	1595	1896	2198	363	5
		607*	400	631	816	1001	1186	1372		
12'-0" (144") PRECAST	631	486	818	1209	1514	1799	2086	340	4
		500*	340	532	686	841	997	1153		
13'-4" (160") PRECAST	573	409	682	1004	1367	1637	1897	302	3
		458*	316	493	635	778	922	1065		
14'-0" (168") PRECAST	548	378	629	922	1254	1567	1816	286	3
14'-8"	(176")	243	295	459	591	724	857	990		_
Pl	RESTRESSED	243	352	582	852	1156	1491	1742	N.R.	3
15'-4"	(184")	228	278	430	553	677	801	925	NO	_
Pl	RESTRESSED	228	329	542	791	1072	1381	1676	N.R.	3
17'-4"	(208")	188	236	361	464	567	670	774	ND	_
	RESTRESSED	188	276	449	649	874	1121	1389	N.R.	2
19'-4"	(232")	165	207	313	401	490	578	667	ND	0
Р	RESTRESSED	165	239	383	550	736	940	1160	N.R.	2
	(256")	145	186	278	356	433	512	590	ND	4
P	PRESTRESSED	142	212	336	477	635	807	993	N.R.	1
22'-0"	(264")	140	180	268	343	418	493	568	ND	1
F	PRESTRESSED	137	205	322	457	607	771	947	N.R.	1
	(288")	127	165	244	312	380	447	515	ND	1
P	PRESTRESSED	124	186	290	408	538	680	833	N.R.	'

*REDUCE VALUE BY 25% FOR GRADE 40 FIELD REBAR



TYPE DESIGNATION





MATERIALS

- 1. f'c precast lintels = 3500 psi.
- 2. f'c prestressed lintels = 6000 psi.
- f'c grout = 3000 psi w/ maximum 3/8" aggregate.
 Concrete masonry units (CMU) per ASTM C90 w/
- minimum net area compressive strength = 1900 psi.
- 5. Rebar provided in precast lintel per ASTM A615
- GR60. Field rebar per ASTM A615 GR40 or GR60.
 6. Prestressing strand per ASTM A416 grade
- 270 low relaxation.
- 7. 7/32 wire per ASTM A510.8. Mortar per ASTM C270 type M or S.

GENERAL NOTES

- Provide full mortar head and bed joints.
 Shore filled lintels as required.
- 3. Installation of lintel must comply with the architectural and/or structural drawings.
- 4. Lintels are manufactured with 5-1/2" long notches at the ends to accommodate vertical cell reinforcing and grouting.
- 5. All lintels meet or exceed L/360 vertical deflection, except lintels 17'-4" and longer with a nominal height of 8" meet or
- 6. Bottom field added rebar to be located at the bottom of
- the lintel cavity.
- 7. 7/32" diameter wire stirrups are welded to the bottom steel for mechanical anchorage.
- 8. Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.
- 9. Safe load ratings based on rational design analysis per ACI 318 and ACI 530

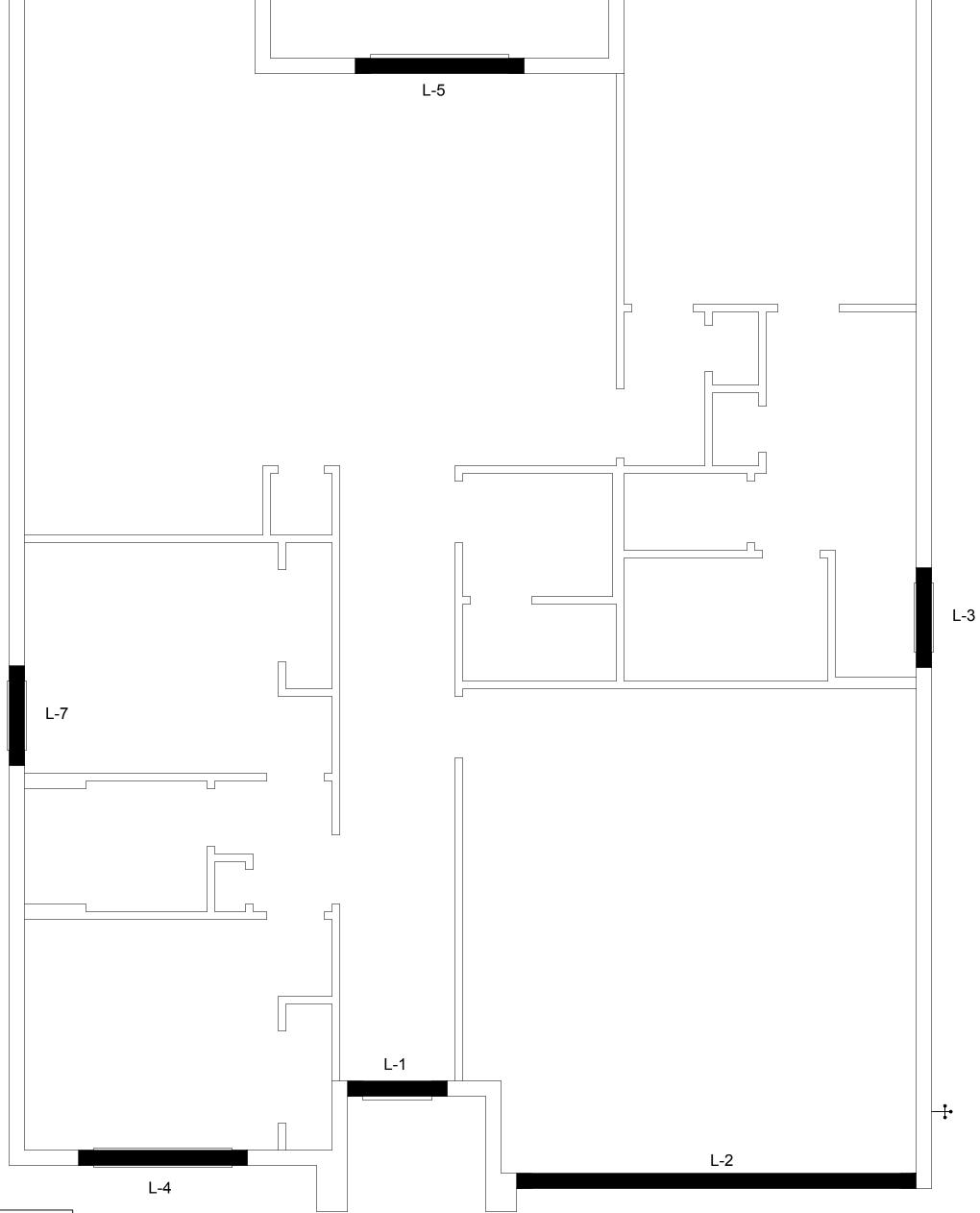
SAFE LOAD TABLE NOTES

- 1. All values based on minimum 4" bearing. Exception: Safe loads for unfilled lintels must be reduced by 20% if bearing length is less than 6-1/2". Safe loads for all recessed lintels based on 8" nominal bearing.
- 2. N.R. = Not Rated.
- Safe loads are total superimposed allowable load on the
- section specified.
- section specified.

 4. Safe loads based on grade 40 or grade 60 field rebar.
- Additional lateral load capacity can be obtained by the designer by providing addional reinforced masonry above the precast lintel.
- 6. One #7 rebar may be substituted for two #5 rebars in 8"
- lintels only.
- The designer may evaluate concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at d-away from the face of support.
- 8. For composite lintel heights not shown, use safe load from next lower height.
- 9. All safe loads in units of pounds per linear foot.

8" PRECAST W/ 2" RECESS DOOR U-LINTELS

				UPLIFT								
		TYPE	8RF6-1T	8RF10-1T	8RF14-1T	8RF18-1T	8RF22-1T	8RF26-1T	8RF30-1T		0050	
LENG	TH \		8RF6-2T	8RF10-2T	8RF14-2T	8RF18-2T	8RF22-2T	8RF26-2T	8RF30-2T	8RU6	8RF6	
4' 4"	(52") PRECAST		1244	1573	2413	3260	4112	4967	5825	022	932	
4'-4"	(52)	PRECASI	1244	1519	2339	3170	4008	4850	5696	932	932	
4'-6"	(54")	PRECAST	1192	1507	2311	3121	3937	4756	5577	853	853	
0	(5+)	TILOAGI	1192	1455	2240	3036	3837	4643	5453	655	655	
E! 0"	(CO!!)	DDECACT	924*	1172	1795	2423	3055	3689	4325	501	501	
5'-8"	(00)	PRECAST	924	1132	1741	2357	2978	3603	4230	301	301	
5'-10"	(70")	DDECAST	896*	1138	1742	2352	2965	3581	4198	469	469	
5-10	(70)	PRECAST	896	1099	1690	2288	2891	3497	4106	469	409	
6'-8"	(OU.)	PRECAST	778	882	1513	2042	2573	3107	3642	830	1100	
0-0	(00)	FRECASI	778	956	1468	1987	2509	3035	3563	630	1100	
71.61	(00")	DDECACT	688	697	1325	1810	2280	2753	3227	710	941	
7'-6"	(90")	PRECAST	688	849	1302	1762	2225	2690	3157	710	941	
0' 8"	9'-8" (116")PF	\DDEC\ST	533*	433	808	1123	1413	1704	1995	516	614	
9-0		(116")PRECAST	533	527	1009	1369	1728	2088	2450	516	014	
9-0	(110	,					1728 LD REBAR	2088	2450	310	014	



L-6

L-4

CAST CRETE / LOTTS / WEKIWA / FLORIDA ROCK PRECAST LINTEL SCHEDULE

LINTEL NO.	LENGTH	TYPE	COMMENTS
L-1	4'-6"	8RF14-1B/IT	3080 DR
L-2	17'-4"	8F32-1B/IT	16'-0" x 7'-0" GAR, DR.
L-3	4'-6"	8F16-1B/1T	3010 F.G.
L-4	T-6"	8F16-1B/1T	(2) 3 <i>0</i> 50 S.H.
L-5		8F16-1B/IT	6'-0" × 8'-0" S.G.D.
L-6	17'-4"	8F16-1B/1T	LANAI
∟ -7	4'-6"	8F16-1B/1T	3050 S.H.

PRECAST LINTEL PLAN

B & C (STANDARD)

1/8"=1'-0" (11x17) 1/4"=1'-0" (22x34)



Ph: (407) 629-6711

Fax: (407) 629-6716

www.mjshomedesigns.com

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M M



40-1662 ot # - Subdivision Street Address

A division of Park Square
Enterprises Inc.
5200 Vineland Rd. Suite #200
Orlando, Fl. 32811
Phone: (407) 529-3000



REVISIONS
PROJECT: 19-0274

PROJECT: 19-0274

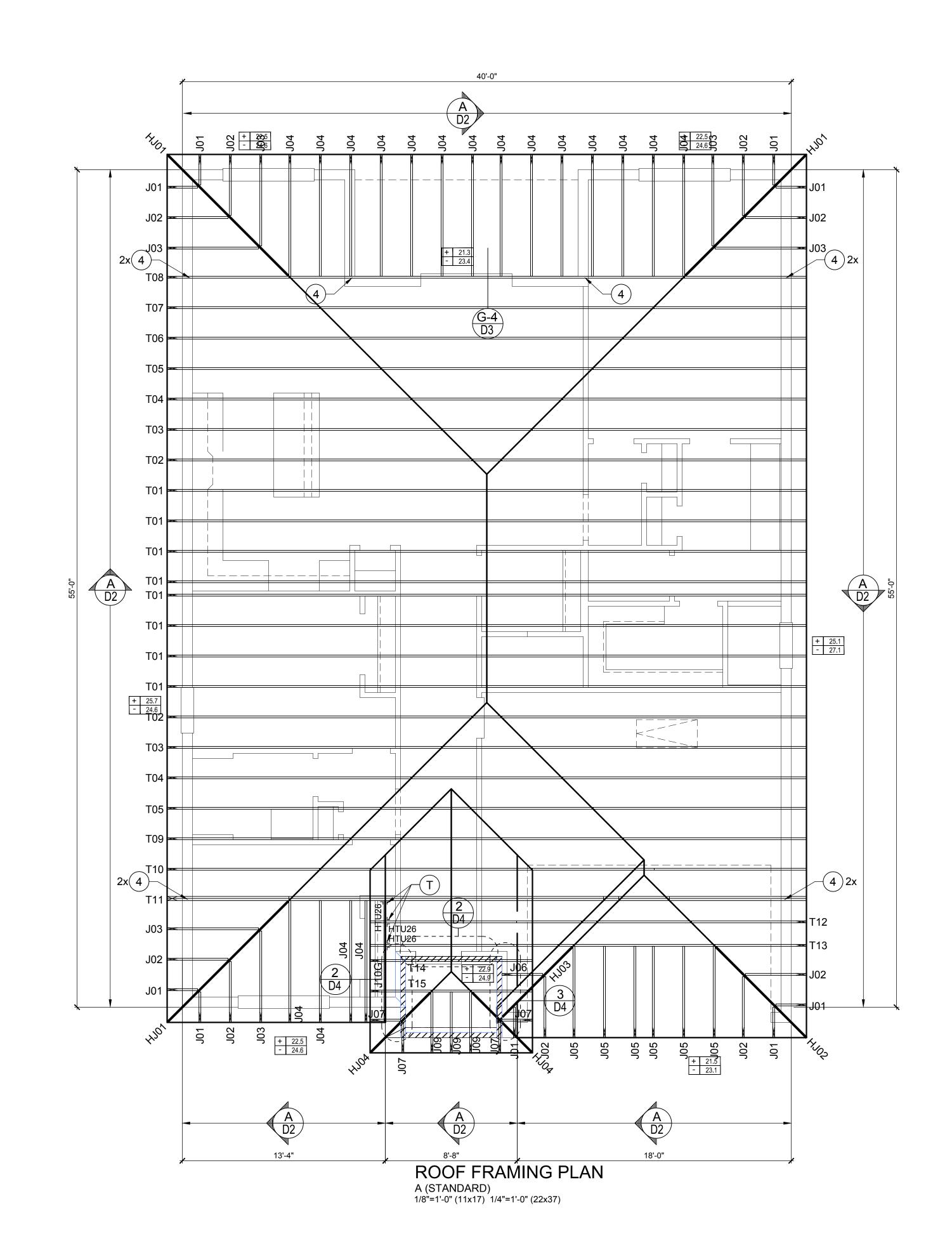
SCALE: AS NOTED

DRAWN BY: S.B.

DESIGNED BY: MJS

PRECAST LINTEL PLAN & NOTES C (STANDARD)

CONN	ECTOR S	CHEDULE		
	SIMPSON			
CONNECT. TYPE		FASTENERS	MAX. UPLIFT	LAT. LDS. F1 / F2
	DESCRIPTION	PER CONNECTOR	G. 2	· · · · · · -
4	HETA16	9-10d x 1½"	1,810	340 / 770
5	DETAL20	18-10d x 1½"	2,480	2000/ 1370
20	H3	RFT: 4-8d / PLT: 4-8d	455	125 / 160
21	H1	RFT:6-8dx1½"/PLT:4-8d RFT: 8-8d x 1½"	475	485 / 165
22	H10S	PLT: 8-8d x 1½"	1010	660/550
23	LUS26	HDR: 4-10d/JST: 4-10d	935	N/A
24	H7	RFT / TRS: 4-8d	985	400 / N/A
24	П/	PLT / STD: 10-8d	965	400 / N/A
26	H2.5	RFT:5-8d / PLT: 5-8d	415	150 / 150
34	A34	H:4-8dx1½"/P:4-8dx1½"	365	280 / 303
35 37	LS50 HTS16	(8)0.148x1 1/2" 14-10d	N/A 1,310	580 N/A
38	MTS16	14-10d	990	N/A
39	MTS30	14-10d	990	N/A
43	LSTA12	10-10d	905	N/A
45	ST18	14-16d	1,200	N/A
47	LSTA24	18-10d	1,295	N/A
71	MSTA36	26-10d	2,135	N/A
72	MSTC66	64-16d SINKERS	5,495	N/A
79	SP1	STD:6-10d / PLT:4-10d	535	560 / 260
80 81	SP2 SPH4,6,8	STD:6-10d / PLT:6-10d 12-10d x 1½"	605 885	560 / 260 N/A
90	ABU66	12-16d x 1/2	2,240	N/A
89	CB66	(2) 7/8" BOLTS	2,300	985
92	ABU44	12-16d	2,200	N/A
93	AC6 (MAX)	28-16d	1,815	1,070
94	AC4 (MAX)	28-16d	1,815	1,070
95	HTS20	20-10d	1,450	N/A
96	HD8A	SILL: 7/8" BOLT	7,910	N/A
		STUD:(3) 7/8"X5½" BOLTS		
97	MTSM16	BLOCK: 4-1/4"X21/4" TC JOIST : 7-10d	860	N/A
		SILL: 5/8" BOLT		
98	HTT4	STRAP: 18-16d	4,235	N/A
99	A35	H:4-8dx1½"/P:4-8dx1½"	440	440 / N/A
102	HTT5	5/8" BOLT/ 26-10d	4,275	N/A
103	VGTR/L	32-SDS1/4"X3"/(2) 7/8" BLT	3,990	N/A
104 110	HDU8-SDS2.5 HCP2	7/8" BLT/20-SDS 1/4"x21/2" 12-10d x 11/2"	5,020 520	N/A 260 / N/A
167	HHUS46	H:14-16d/J:6-16d	1,550	N/A
168	U46	H:8-10d/J:4-10d	710	N/A
181	HUS26	20-16d	1,550	N/A
184	HUC28-2	H:14-16d/J:4-10d	1,085	N/A
214	HUC212-3TF	HD:16-3/16"X1½" TAPCON	1,135	N/A
		BM: 6-16d		
215	HGUS210-2	HDR:46-16d/JST:10-16d	2,720	N/A
216	HUS412	BLOCK: 10-1/4"X11/2" TC JOIST: 10-16d	3,240	N/A
217	HUS212-2	BLOCK: 10-1/4"X11/2" TC JOIST: 10-16d	2,630	N/A
219	MBHA412	H:1-ATR3/4X8 TOP&FACE JOIST: 18-10d	3,145	N/A
220	HGAM10KTA	(4)1/4"x2 3/4" TITEN	810	875/1105
226	MBHA4.75/12	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	2,160	N/A
231	MBHA3.56/16	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	3,450	N/A
232	MBHA5.50/16	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	3,450	N/A
240	H16	R:2-10dx1½"P:10-10dx1½"	1,470	480 / N/A
241	LGT2	30-16d-sinker	2000	1015 / 440
301	MGT	(1) 5/8"BLTS./GIR: 22-10d	3,965	N/A
302	HGT-2 or 3	LTL:3/4"BLTS./GIR: 8-10d	6485	N/A
303	HGT-4	LTL:3/4"BLTS./GIR: 16-10d	9,250	N/A
401 T	SUR/L414	FACE:18-16d/JST:8-16d	1,700	N/A
Т	TRUSS MANUFA	TO BE SPECIFIED & PROVIDED BY ACTURERS		





T.O.WALL 9'-4"



BEARING 14'-4"

COMPONENT & CLADDING

SEE PLAN DESIGN WIND PRESSURE



NOTE: DESIGN PRESSURES BASED ULTIMATE WIND SPEED TO OBTAIN NOMINAL "ASD" WIND PRESSURES MULTIPLY VALUES SHOWN BY A FACTOR OF 0.6

FIELD REPAIR NOTES

1- MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/

2- BLOCK WALL OVERHANGING SLAB CONDITION: UP TO 7/8" - NO REPAIR NECESSARY 7/8" TO 11/4" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED. 11/4"+ - REQUIRE SPECIAL ENGINEERING LETTER.

3- PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12

NOTES

- 2. TYPICAL ROOF EAVES OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- 3. PROVIDE AND INSTALL FLASHING AND ROOFING AS PER NATIONAL ROOFING AND SHEET METAL ASSOC.STANDARDS AND/ OR ACCEPTABLE INDUSTRY PRACTICE AND IN ACCORDANCE WITH
- 4. ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS, ETC. TO BE SIZE BY TRUSS MANUFACTURER OR FL.
- 5. TRUSSES SHALL BE BRACED TO PREVENT ACCORDANCE WITH TPI/WTCA BCSI 1.
- 6. REFER TO TRUSS MANUFACTURERS DRAWINGS FOR TRUSS PLACEMENT & TRUSS TO TRUSS CONNECTIONS.
- 8. SHINGLE ROOF: UNDERLAYMENT TO BE INSTALLED IAW FBCR 2023, 8TH EDITION R905.1.1. UNDERLAYMENT MATERIALS REQUIRED TO COMPLY WITH ASTM D226, D1970, D4869 AND D6757 SHALL BEAR A LABEL INDICATING COMPLIANCE TO THE STANDARD DESIGNATION AND, IF APPLICABLE, TYPE CLASSIFICATION INDICATED IN TABLE R905.1.1.1 UNDERLAYMENT SHALL BE APPLIED AND ATTACHED IN ACCORDANCE WITH TABLE R905.1.1.1
- 9. OFF RIDGE VENTS MAXIMUM OPENING SIZES: - LOMANCO: (2) 91/2" DIA.CIRCLES



+ XXX ULTIMATE DESIGNED POSITIVE PRESSURE
- XXX ULTIMATE DESIGNED NEGATIVE PRESSURE

A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.

@ TOP AND BOTTOM PLATE

- 1. TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- 8TH EDITION (2023)FLORIDA RESIDENTIAL CODE.
- REG. ENG.
- ROTATION & PROVIDE LATERAL STABILITY KIN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONSTRUCTION DOCUMENTS FOR BUILDING & ON THE INDIVIDUAL TRUSS DESIGN DRAWINGS IN THE ABSENCE OF SPECIFIC BRACING REQUIREMENTS, TRUSSES SHALL BE BRACED IN
- 7. ROOF UNDERLAYMENT TO BE USED IS 30 LBS. SYNTHETIC FELT.
- -MILLENNIUM METAL: 2½"x46" HOLE

40-1662

Lot # - Subdivision
Street Address
City, State. Zip

A division of Park Square Enterprises Inc.

5200 Vineland Rd. Suite #200

Orlando, Fl. 32811 Phone: (407) 529-3000

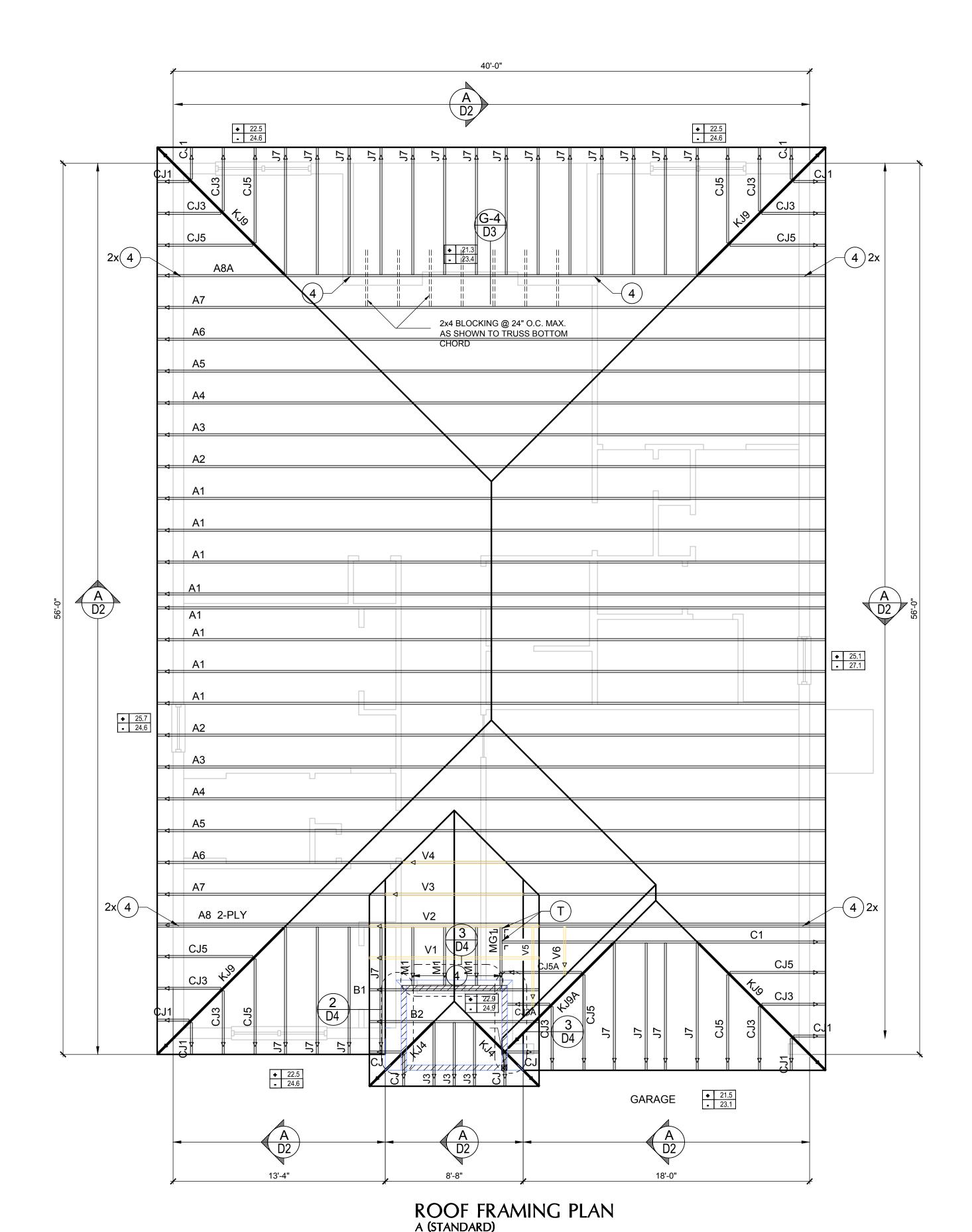
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ISSUE DATE | 06/07/2019 REVISIONS

PROJECT: 19-0274 SCALE: AS NOTED DRAWN BY: S.B. DESIGNED BY: MJS

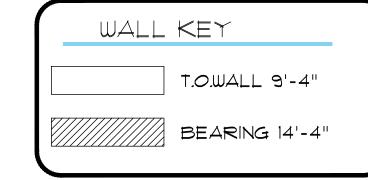
ROOF FRAMING PLAN A (STANDARD)

CONNECT.	SIMPSON		MAX.	LAT. LDS
TYPE	DESCRIPTION	FASTENERS PER CONNECTOR	UPLIFT	F1 / F2
4	HETA16	9-10d x 1½"	1,810	340 / 770
5	DETAL20	18-10d x 1½"	2,480	2000/ 1370
20	H3	RFT: 4-8d / PLT: 4-8d	455	125 / 160
21	H1	RFT:6-8dx1½"/PLT:4-8d	475	485 / 165
22	H10S	RFT: 8-8d x 1½"	1010	660/550
23	LUS26	PLT: 8-8d x 1½" HDR: 4-10d/JST: 4-10d	935	N/A
24	H7 -	RFT / TRS: 4-8d	985	400 / N/A
		PLT / STD: 10-8d		
26	H2.5	RFT:5-8d / PLT: 5-8d	415	150 / 150
34 35	A34 LS50	H:4-8dx1½"/P:4-8dx1½"	365 N/A	280 / 303 580
37	HTS16	(8)0.148x1 1/2" 14-10d	1,310	N/A
38	MTS16	14-10d	990	N/A
39	MTS30	14-10d	990	N/A
43	LSTA12	10-10d	905	N/A
45	ST18	14-16d	1,200	N/A
47	LSTA24	18-10d	1,295	N/A
71	MSTA36	26-10d	2,135	N/A
72	MSTC66	64-16d SINKERS	5,495	N/A
79	SP1	STD:6-10d / PLT:4-10d	535	560 / 260
80	SP2	STD:6-10d / PLT:6-10d	605	560 / 260
81	SPH4,6,8	12-10d x 1½"	885	N/A
90	ABU66	12-16d	2,240	N/A
89	CB66	(2) 7/8" BOLTS	2,300	985
92	ABU44	12-16d	2,200	N/A
93	AC6 (MAX)	28-16d	1,815	1,070
94	AC4 (MAX)	28-16d	1,815	1,070
95	HTS20	20-10d	1,450	N/A
96	HD8A	SILL: 7/8" BOLT STUD:(3) 7/8"X5½" BOLTS	7,910	N/A
97	MTSM16	BLOCK: 4-1/4"X21/4" TC JOIST: 7-10d	860	N/A
98	HTT4	SILL: 5/8" BOLT STRAP: 18-16d	4,235	N/A
99	A35	H:4-8dx1½"/P:4-8dx1½"	440	440 / N/A
102	HTT5	5/8" BOLT/ 26-10d	4,275	N/A
103	VGTR/L	32-SDS1/4"X3"/(2) 7/8" BLT	3,990	N/A
104	HDU8-SDS2.5	7/8" BLT/20-SDS 1/4"x21/2"	5,020	N/A
110	HCP2	12-10d x 1½"	520	260 / N/A
167	HHUS46	H:14-16d/J:6-16d	1,550	N/A
168	U46	H:8-10d/J:4-10d	710	N/A
181	HUS26	20-16d	1,550	N/A
184	HUC28-2	H:14-16d/J:4-10d	1,085	N/A
214	HUC212-3TF	HD:16-3/16"X1½" TAPCON BM: 6-16d	1,135	N/A
215	HGUS210-2	HDR:46-16d/JST:10-16d	2,720	N/A
216	HUS412	BLOCK: 10-1/4"X11/2" TC JOIST: 10-16d	3,240	N/A
217	HUS212-2	BLOCK: 10-1/4"X11/2" TC JOIST: 10-16d	2,630	N/A
219	MBHA412	H:1-ATR3/4X8 TOP&FACE JOIST: 18-10d	3,145	N/A
220	HGAM10KTA	(4)1/4"x2 3/4" TITEN	810	875/1105
226	MBHA4.75/12	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	2,160	N/A
231	MBHA3.56/16	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	3,450	N/A
232	MBHA5.50/16	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	3,450	N/A
240	H16	R:2-10dx1½"P:10-10dx1½"	1,470	480 / N/A
241	LGT2	30-16d-sinker	2000	1015 / 440
301	MGT	(1) 5/8"BLTS./GIR: 22-10d	3,965	N/A
302	HGT-2 or 3	LTL:3/4"BLTS./GIR: 8-10d	6485	N/A
303	HGT-4	LTL:3/4"BLTS./GIR: 16-10d	9,250	N/A
401 T	SUR/L414 CONNECTORS TO TRUSS MANUFAC	FACE:18-16d/JST:8-16d D BE SPECIFIED & PROVIDED BY CTURERS	1,700	N/A



1/8"=1'-0" (11x17) 1/4"=1'-0" (22x37)

-MILLENNIUM METAL: 2½"x46" HOLE



COMPONENT & CLADDING DESIGN WIND PRESSURES

SEE PLAN DESIGN WIND PRESSURE

ULTIMATE DESIGNED POSITIVE PRESSURE ULTIMATE DESIGNED NEGATIVE PRESSURE

NOTE: DESIGN PRESSURES BASED ULTIMATE WIND SPEED TO OBTAIN NOMINAL "ASD" WIND PRESSURES MULTIPLY VALUES SHOWN BY A FACTOR OF 0.6

FIELD REPAIR NOTES

1- MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.

2- BLOCK WALL OVERHANGING SLAB CONDITION: UP TO 7/8" - NO REPAIR NECESSARY 7/8" TO 11/4" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED. 11/4"+ - REQUIRE SPECIAL ENGINEERING LETTER.

3- PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12 @ TOP AND BOTTOM PLATE

- 1. TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- 2. TYPICAL ROOF EAVES OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- 3. PROVIDE AND INSTALL FLASHING AND ROOFING AS PER NATIONAL ROOFING AND SHEET METAL ASSOC.STANDARDS AND/ OR ACCEPTABLE INDUSTRY PRACTICE AND IN ACCORDANCE WITH 8TH EDITION (2023)FLORIDA RESIDENTIAL CODE.
- 4. ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS, ETC. TO BE SIZE BY TRUSS MANUFACTURER OR FL. REG. ENG.
- 5. TRUSSES SHALL BE BRACED TO PREVENT ROTATION & PROVIDE LATERAL STABILITY KIN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONSTRUCTION DOCUMENTS FOR BUILDING & ON THE INDIVIDUAL TRUSS DESIGN DRAWINGS IN THE ABSENCE OF SPECIFIC BRACING REQUIREMENTS, TRUSSES SHALL BE BRACED IN ACCORDANCE WITH TPI/WTCA BCSI 1.
- FOR TRUSS PLACEMENT & TRUSS TO TRUSS CONNECTIONS.

6. REFER TO TRUSS MANUFACTURERS DRAWINGS

- 7. ROOF UNDERLAYMENT TO BE USED IS 30 LBS. SYNTHETIC FELT.
- 8. SHINGLE ROOF: UNDERLAYMENT TO BE INSTALLED IAW FBCR 2023, 8TH EDITION R905.1.1. UNDERLAYMENT MATERIALS REQUIRED TO COMPLY WITH ASTM D226, D1970, D4869 AND D6757 SHALL BEAR A LABEL INDICATING COMPLIANCE TO THE STANDARD DESIGNATION AND, IF APPLICABLE, TYPE CLASSIFICATION INDICATED IN TABLE R905.1.1.1 UNDERLAYMENT SHALL BE APPLIED AND ATTACHED IN ACCORDANCE WITH TABLE R905.1.1.1
- 9. OFF RIDGE VENTS MAXIMUM OPENING SIZES: - LOMANCO: (2) 91/2" DIA.CIRCLES



40-1662

Lot # - Subdivision
Street Address
City, State. Zip "EVOLVE"

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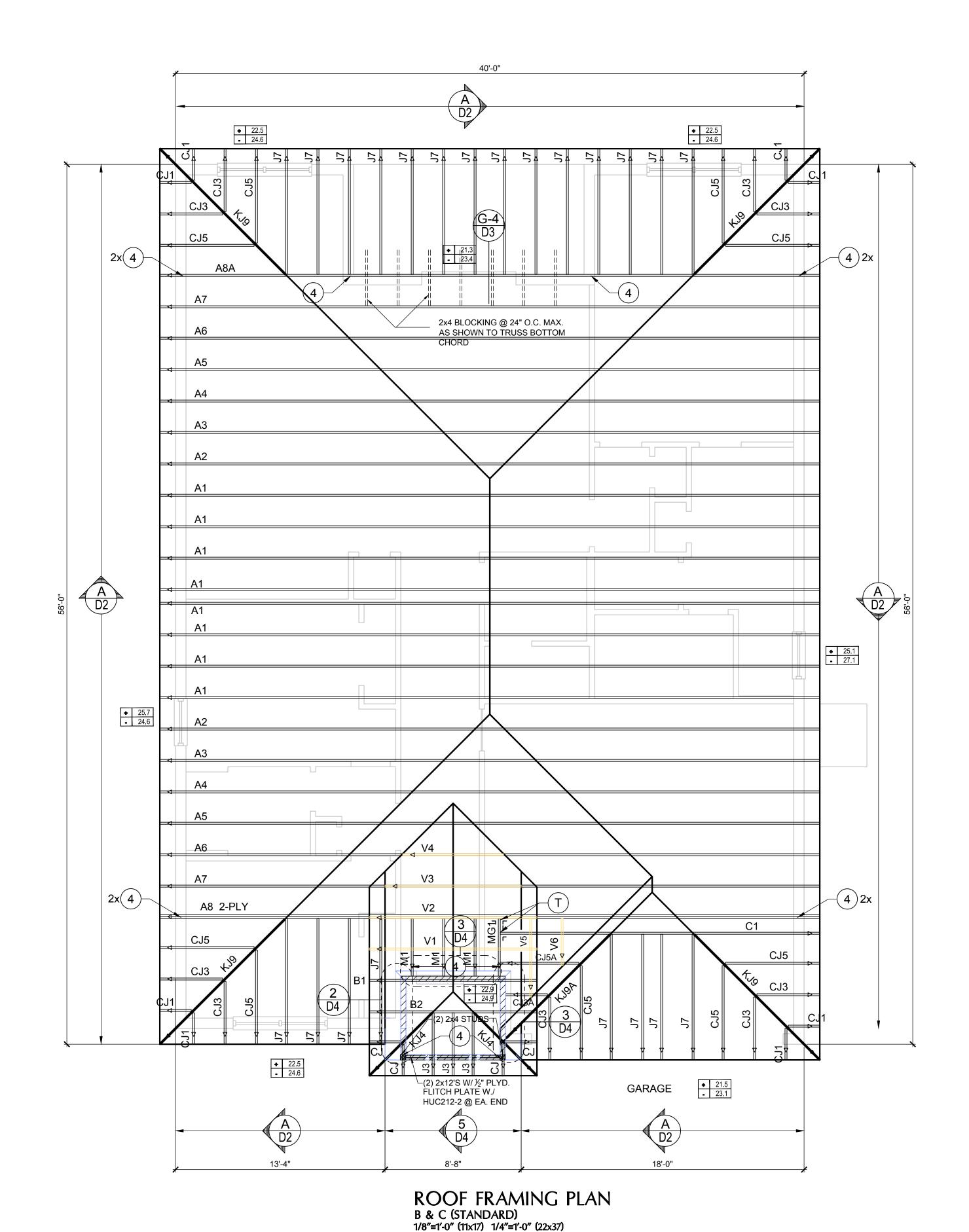
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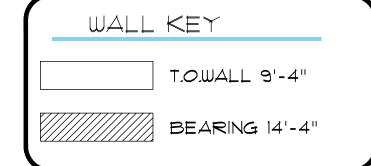
REVISIONS

PROJECT: 19-0274 AS NOTED SCALE: DRAWN BY: S.B. DESIGNED BY: MJS

ROOF FRAMING PLAN C (STANDARD)

CONNECTOR SCHEDULE					
CONNECT.	SIMPSON		MAX.	LAT. LDS. F1 / F2	
TYPE	DESCRIPTION	FASTENERS PER CONNECTOR	UPLIFT		
4	HETA16	9-10d x 1½"	1,810	340 / 770	
5	DETAL20	18-10d x 1½"	2,480	2000/ 1370	
20	H3	RFT: 4-8d / PLT: 4-8d	455	125 / 160	
21	H1	RFT:6-8dx1½"/PLT:4-8d	475	485 / 165	
	11100	RFT: 8-8d x 1½"	1010	000/550	
22	H10S	PLT: 8-8d x 1½"	1010	660/550	
23	LUS26	HDR: 4-10d/JST: 4-10d	935	N/A	
24	H7	RFT / TRS: 4-8d	985	400 / N/A	
26	H2.5	PLT / STD: 10-8d RFT:5-8d / PLT: 5-8d	415	150 / 150	
34	A34	H:4-8dx1½"/P:4-8dx1½"	365	280 / 303	
35	LS50	(8)0.148x1 1/2"	N/A	580	
37	HTS16	14-10d	1,310	N/A	
38	MTS16	14-10d	990	N/A	
39	MTS30	14-10d	990	N/A	
43	LSTA12	10-10d	905	N/A	
45	ST18	14-16d	1,200	N/A	
47	LSTA24	18-10d	1,295	N/A	
71	MSTA36	26-10d	2,135	N/A	
72	MSTC66	64-16d SINKERS	5,495	N/A	
79	SP1	STD:6-10d / PLT:4-10d	535	560 / 260	
80	SP2	STD:6-10d / PLT:6-10d	605	560 / 260	
81	SPH4,6,8	12-10d x 1½"	885	N/A	
90	ABU66	12-16d	2,240	N/A	
89	CB66	(2) 7/8" BOLTS	2,300	985	
92	ABU44	12-16d	2,200	N/A	
93	AC6 (MAX)	28-16d	1,815	1,070	
94	AC4 (MAX)	28-16d	1,815	1,070	
95	HTS20	20-10d	1,450	N/A	
96	HD8A	SILL: 7/8" BOLT STUD:(3) 7/8"X5½" BOLTS	7,910	N/A	
97	MTSM16	BLOCK: 4-1/4"X21/4" TC JOIST: 7-10d	860	N/A	
98	HTT4	SILL: 5/8" BOLT STRAP: 18-16d	4,235	N/A	
99	A35	H:4-8dx1½"/P:4-8dx1½"	440	440 / N/A	
102	HTT5	5/8" BOLT/ 26-10d	4,275	N/A	
103	VGTR/L	32-SDS1/4"X3"/(2) 7/8" BLT	3,990	N/A	
104	HDU8-SDS2.5	7/8" BLT/20-SDS 1/4"x21/2"	5,020	N/A	
110	HCP2	12-10d x 1½"	520	260 / N/A	
167	HHUS46	H:14-16d/J:6-16d	1,550	N/A	
168 181	U46 HUS26	H:8-10d/J:4-10d 20-16d	710 1,550	N/A N/A	
184	HUC28-2	H:14-16d/J:4-10d	1,085	N/A N/A	
		HD:16-3/16"X1½" TAPCON			
214	HUC212-3TF	BM: 6-16d	1,135	N/A	
215	HGUS210-2	HDR:46-16d/JST:10-16d BLOCK: 10-1/4"X11/2" TC	2,720	N/A	
216	HUS412	JOIST : 10-16d	3,240	N/A	
217	HUS212-2	BLOCK: 10-1/4"X11/2" TC JOIST: 10-16d	2,630	N/A	
219	MBHA412	H:1-ATR3/4X8 TOP&FACE JOIST: 18-10d	3,145	N/A	
220	HGAM10KTA	(4)1/4"x2 3/4" TITEN	810	875/1105	
226	MBHA4.75/12	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	2,160	N/A	
231	MBHA3.56/16	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	3,450	N/A	
232	MBHA5.50/16	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	3,450	N/A	
240	H16	R:2-10dx1½"P:10-10dx1½"	1,470	480 / N/A	
241	LGT2	30-16d-sinker	2000	1015 / 440	
301	MGT	(1) 5/8"BLTS./GIR: 22-10d	3,965	N/A	
302	HGT-2 or 3	LTL:3/4"BLTS./GIR: 8-10d	6485	N/A	
303	HGT-4	LTL:3/4"BLTS./GIR: 16-10d	9,250	N/A	
401	SUR/L414	FACE:18-16d/JST:8-16d	1,700	N/A	
Т	CONNECTORS TO BE SPECIFIED & PROVIDED BY TRUSS MANUFACTURERS				





COMPONENT & CLADDING DESIGN WIND PRESSURES

SEE PLAN DESIGN WIND PRESSURE

+ XXX UL

ULTIMATE DESIGNED POSITIVE PRESSURE ULTIMATE DESIGNED NEGATIVE PRESSURE

NOTE: DESIGN PRESSURES BASED ULTIMATE WIND SPEED TO OBTAIN NOMINAL "ASD" WIND PRESSURES MULTIPLY VALUES SHOWN BY A FACTOR OF 0.6

FIELD REPAIR NOTES

1- MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.

2- BLOCK WALL OVERHANGING SLAB CONDITION: UP TO 7/8" - NO REPAIR NECESSARY 7/8" TO 1½" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED. 1½"+ - REQUIRE SPECIAL ENGINEERING LETTER.

3- PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12 @ TOP AND BOTTOM PLATE

NOTES

- 1. TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- 2. TYPICAL ROOF EAVES OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- 3. PROVIDE AND INSTALL FLASHING AND ROOFING AS PER NATIONAL ROOFING AND SHEET METAL ASSOC.STANDARDS AND/ OR ACCEPTABLE INDUSTRY PRACTICE AND IN ACCORDANCE WITH 8TH EDITION (2023)FLORIDA RESIDENTIAL CODE.
- 4. ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS, ETC. TO BE SIZE BY TRUSS MANUFACTURER OR FL. REG. ENG.
- 5. TRUSSES SHALL BE BRACED TO PREVENT ROTATION & PROVIDE LATERAL STABILITY KIN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONSTRUCTION DOCUMENTS FOR BUILDING & ON THE INDIVIDUAL TRUSS DESIGN DRAWINGS IN THE ABSENCE OF SPECIFIC BRACING REQUIREMENTS, TRUSSES SHALL BE BRACED IN ACCORDANCE WITH TPI/WTCA BCSI 1.
- 6. REFER TO TRUSS MANUFACTURERS DRAWINGS FOR TRUSS PLACEMENT & TRUSS TO TRUSS CONNECTIONS.
- 7. ROOF UNDERLAYMENT TO BE USED IS 30 LBS. SYNTHETIC FELT.
- 8. SHINGLE ROOF: UNDERLAYMENT TO BE INSTALLED IAW FBCR 2023, 8TH EDITION R905.1.1. UNDERLAYMENT MATERIALS REQUIRED TO COMPLY WITH ASTM D226, D1970, D4869 AND D6757 SHALL BEAR A LABEL INDICATING COMPLIANCE TO THE STANDARD DESIGNATION AND, IF APPLICABLE, TYPE CLASSIFICATION INDICATED IN TABLE R905.1.1.1 UNDERLAYMENT SHALL BE APPLIED AND ATTACHED IN ACCORDANCE WITH TABLE R905.1.1.1
- 9. OFF RIDGE VENTS MAXIMUM OPENING SIZES: LOMANCO: (2) 9½" DIA.CIRCLES -MILLENNIUM METAL: 2½"x46" HOLE

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A B

GREATER ORLANDO BUILDERS ASSOCIATION

"EVOLVE"
40-1662
Lot # - Subdivision
Street Address
City, State. Zip

A division of Park Square Enterprises Inc. 5200 Vineland Rd. Suite #200

Orlando, Fl. 32811
Phone: (407) 529-3000

ISSUE DATE 06/07/2019

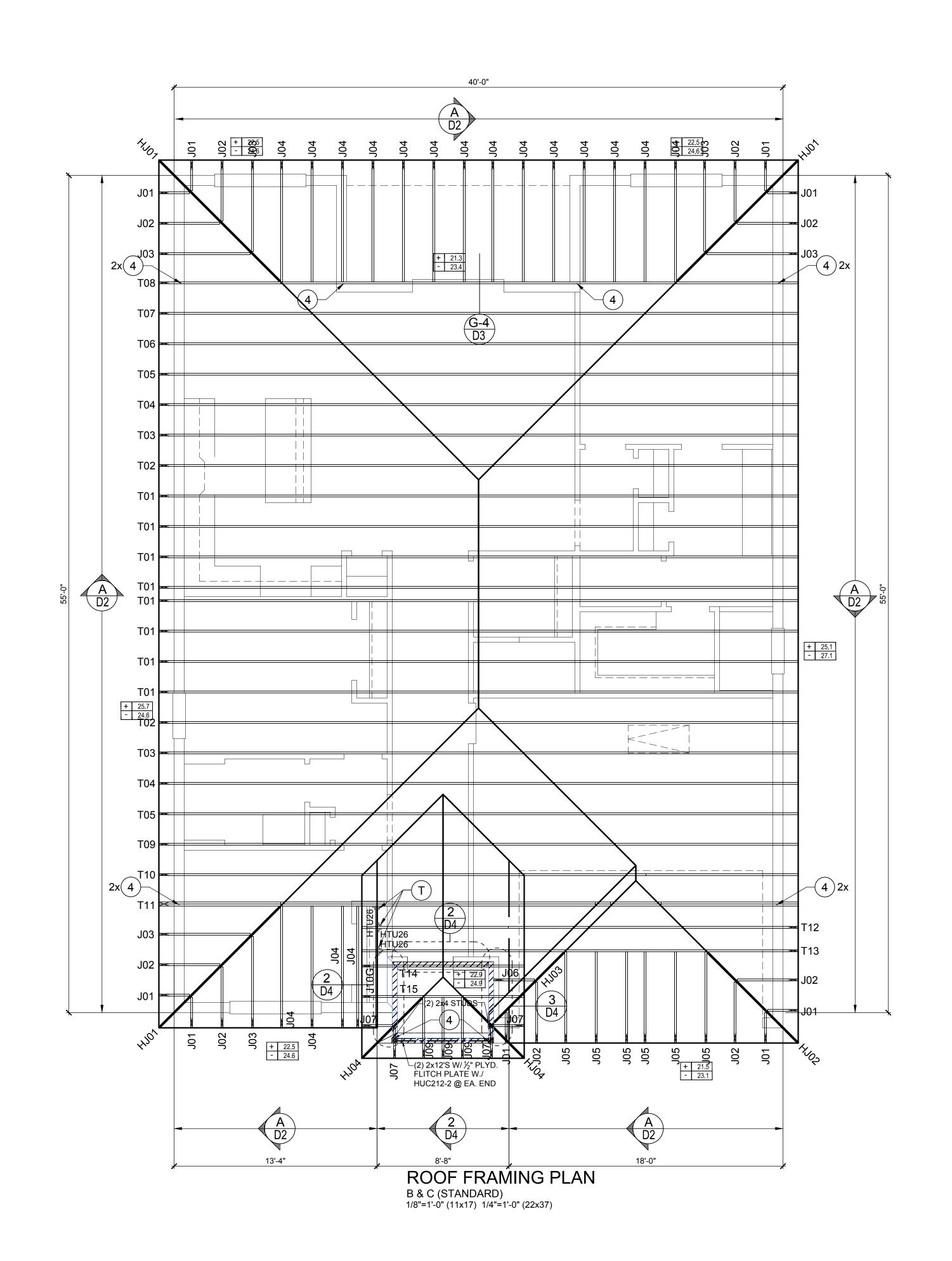
REVISIONS

O JECT: 19-0274

PROJECT: 19-0274
SCALE: AS NOTED
DRAWN BY: S.B.
DESIGNED BY: MJS

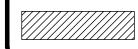
ROOF FRAMING PLAN C (STANDARD)

CONNECTOR SCHEDULE						
CONNECT	SIMPSON					
CONNECT. TYPE	DESCRIPTION	FASTENERS	MAX. UPLIFT	LAT. LDS. F1 / F2		
		PER CONNECTOR				
4	HETA16	9-10d x 1½"	1,810	340 / 770		
5 20	DETAL20 H3	18-10d x 1½" RFT: 4-8d / PLT: 4-8d	2,480	2000/ 1370 125 / 160		
21	нз Н1	RFT: 4-00 / PLT: 4-00 RFT:6-8dx1½"/PLT:4-8d	455 475	485 / 165		
21	111	RFT: 8-8d x 1½"	773	+037 103		
22	H10S	PLT: 8-8d x 1½"	1010	660/550		
23	LUS26	HDR: 4-10d/JST: 4-10d	935	N/A		
24	1.17	RFT / TRS: 4-8d	005	400 / \$1/\$		
24	H7	PLT / STD: 10-8d	985	400 / N/A		
26	H2.5	RFT:5-8d / PLT: 5-8d	415	150 / 150		
34	A34	H:4-8dx1½"/P:4-8dx1½"	365	280 / 303		
35	LS50	(8)0.148x1 1/2"	N/A	580		
37	HTS16	14-10d	1,310	N/A		
38	MTS16	14-10d	990	N/A		
39 43	MTS30 LSTA12	14-10d 10-10d	990 905	N/A N/A		
45	ST18	10-10d 14-16d	1,200	N/A		
47	LSTA24	18-10d	1,205	N/A		
71	MSTA36	26-10d	2,135	N/A		
72	MSTC66	64-16d SINKERS	5,495	N/A		
79	SP1	STD:6-10d / PLT:4-10d	535	560 / 260		
80	SP2	STD:6-10d / PLT:6-10d	605	560 / 260		
81	SPH4,6,8	12-10d x 1½"	885	N/A		
90	ABU66	12-16d	2,240	N/A		
89	CB66	(2) 7/8" BOLTS	2,300	985		
92	ABU44	12-16d	2,200	N/A		
93	AC6 (MAX)	28-16d 28-16d	1,815	1,070		
94 95	AC4 (MAX) HTS20	28-16d 20-10d	1,815 1,450	1,070 N/A		
95	111320	SILL: 7/8" BOLT	1,450	IN/A		
96	HD8A	STUD:(3) 7/8"X5½" BOLTS	7,910	N/A		
97	MTSM16	BLOCK: 4-¼"X2¼" TC JOIST : 7-10d	860	N/A		
		SILL: 5/8" BOLT				
98	HTT4	STRAP: 18-16d	4,235	N/A		
99	A35	H:4-8dx1½"/P:4-8dx1½"	440	440 / N/A		
102	HTT5	5/8" BOLT/ 26-10d	4,275	N/A		
103	VGTR/L	32-SDS1/4"X3"/(2) 7/8" BLT	3,990	N/A		
104	HDU8-SDS2.5	7/8" BLT/20-SDS 1/4"x21/2" 12-10d x 11/2"	5,020 520	N/A		
110 167	HCP2 HHUS46	H:14-16d/J:6-16d	1,550	260 / N/A N/A		
168	U46	H:8-10d/J:4-10d	710	N/A		
181	HUS26	20-16d	1,550	N/A		
184	HUC28-2	H:14-16d/J:4-10d	1,085	N/A		
214	HUC212-3TF	HD:16-3/16"X11/2" TAPCON	1,135	N/A		
		BM: 6-16d				
215	HGUS210-2	HDR:46-16d/JST:10-16d	2,720	N/A		
216	HUS412	BLOCK: 10-1/4"X11/2" TC JOIST : 10-16d	3,240	N/A		
217	HUS212-2	BLOCK: 10-1/4"X11/2" TC JOIST: 10-16d	2,630	N/A		
		H:1-ATR3/4X8 TOP&FACE				
219	MBHA412	JOIST: 18-10d	3,145	N/A		
220	HGAM10KTA	(4)1/4"x2 3/4" TITEN	810	875/1105		
226	MBHA4.75/12	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	2,160	N/A		
231	MBHA3.56/16	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	3,450	N/A		
232	MBHA5.50/16	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	3,450	N/A		
240	H16	R:2-10dx1½"P:10-10dx1½"	1,470	480 / N/A		
241	LGT2	30-16d-sinker	2000	1015 / 440		
301	MGT	(1) 5/8"BLTS./GIR: 22-10d	3,965	N/A		
302	HGT-2 or 3	LTL:3/4"BLTS./GIR: 8-10d	6485	N/A		
303	HGT-4 SUR/L414	LTL:3/4"BLTS./GIR: 16-10d FACE:18-16d/JST:8-16d	9,250	N/A		
401 T		O BE SPECIFIED & PROVIDED BY	1,700	N/A		
•	TRUSS MANUFA					





T.O.WALL 9'-4"



BEARING 14'-4"

COMPONENT & CLADDING

SEE PLAN DESIGN WIND PRESSURE



FIELD REPAIR NOTES

2- BLOCK WALL OVERHANGING SLAB CONDITION: UP TO 7/8" - NO REPAIR NECESSARY 7/8" TO 11/4" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED. 11/4"+ - REQUIRE SPECIAL ENGINEERING LETTER.

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NOTES

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- 5. TRUSSES SHALL BE BRACED TO PREVENT
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- 9. OFF RIDGE VENTS MAXIMUM OPENING SIZES: - LOMANCO: (2) 91/2" DIA.CIRCLES

WALL KEY



+ XXX ULTIMATE DESIGNED POSITIVE PRESSURE
- XXX ULTIMATE DESIGNED NEGATIVE PRESSURE

NOTE: DESIGN PRESSURES BASED ULTIMATE WIND SPEED TO OBTAIN NOMINAL "ASD" WIND PRESSURES MULTIPLY VALUES SHOWN BY A FACTOR OF 0.6

1- MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.

@ TOP AND BOTTOM PLATE

- 1. TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE NOTED.
- 8TH EDITION (2023)FLORIDA RESIDENTIAL CODE.
- 4. ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS, ETC. TO BE SIZE BY TRUSS MANUFACTURER OR FL.
- ROTATION & PROVIDE LATERAL STABILITY KIN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONSTRUCTION DOCUMENTS FOR BUILDING & ON THE INDIVIDUAL TRUSS DESIGN DRAWINGS IN THE ABSENCE OF SPECIFIC BRACING REQUIREMENTS, TRUSSES SHALL BE BRACED IN ACCORDANCE WITH TPI/WTCA BCSI 1.
- 7. ROOF UNDERLAYMENT TO BE USED IS 30 LBS. SYNTHETIC FELT.
- -MILLENNIUM METAL: 2½"x46" HOLE

ISSUE DATE | 06/07/2019 REVISIONS PROJECT: 19-0274 SCALE: DRAWN BY: S.B.

> ROOF FRAMING PLAN A (STANDARD)

AS NOTED

40-1662

Lot # - Subdivision
Street Address
City, State. Zip

A division of Park Square Enterprises Inc.

5200 Vineland Rd. Suite #200

Orlando, Fl. 32811 Phone: (407) 529-3000

"EVOLVE

DESIGNED BY: MJS

STRUCTURAL NOTES

- 1. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 8TH EDITION, FBCR 2023 (WIND LOAD @ 140 MPH.) LIVE LOAD ROOF: 20 PSF
- FLOOR: 40 PSF, BALCONIES & STAIRS: 40 PSF OCCUPANCY= 1.0 BUILDING CATEGORY R3, WIND EXPOSURE C

INTERNAL PRESSURE COEFFICIENTS = +0.18 AND -0.18

- 2. WINDOWS, DOORS, AND GARAGE DOORS TO BE DESIGNED TO MEET FBCR SECTION R301
- 3. ALL FLOOR SLABS TO BE OF 3,000 PSI CONC. PLANT MIX MIN. 4" THICK WITH 6x6 10/10 WIRE MESH 6 MIL. POLY. VAPOR-BARRIER OVER TERMITE TREATED COMPACTED CLEAN FILL.
- 4. CONCRETE MASONRY UNITS SHALL MEET: CH. 1-3 OF ACI 530-02/ ASCE 5-02/TMS 402-02 OR BIA BUILDING CODE REQUIREMENTS.
- 5. MORTAR TO BE TYPE "M" OR "S", GROUT 3,000 PSI @ 28 DAYS.
- 6. MASONRY CLEAN OUTS REQUIRED @ GROUT GREATER THAN FIVE (5) FEET IN HEIGHT AND ALL VERTICALS.
- 7. REBAR TO BE # 5'S GRADE 60, W/ MIN. LAP OF 25". USE "L" BARS @ CORNERS AND USE STANDARD HOOKS @ CHANGE IN DIRECTION WITH MIN. LAP 12"
- 8. GYP. BD. CEILING SHALL BE INSTALLED PERP. TO FRAMING & NAILED @ 7" O.C. WITH 5d NAILS. GYP. BD. WALLS SHALL BE NAILED @8" O.C. WITH 5d NAILS
- 9. UPLIFT CONNECTOR'S TO PROVIDE CONTINUITY FROM ROOF TRUSSES THRU PLATES TO SLAB AND FOUNDATION PER ENCLOSED DETAILS.
- 10. EPOXY ANCHOR ALTERNATIVE:

THREADED ANCHOR ROD MAY BE USED IN LIEU OF ANCHOR BOLTS FOR USE AS PLATE ANCHORS OR HURRICANE ANCHORS. THE FOLLOWING CRITERIA MUST BE MET:

ANCHOR SIZE	CONC. HOLE SIZE	MIN. HOLE DEPTH
1/2"	-3/4"	7"
-5/8"	-7/8"	7"
-3/4"	1"	8"
-7/8"	1-1/8"	9"

AFTER HOLE IS DRILLED, ALL CONCRETE DUST MUST BE REMOVED PRIOR TO EPOXY INSTALLATION. THREADED ROD TO BE MIN. A36 STEEL AND FREE OF DIRT OR GREASE. LOAD ON ROD CANNOT BE APPLIED UNTIL 12 HOURS AFTER INSTALLATION. 2 COMPONENT EPOXY RESIN MATERIAL TO BE MIXED PER MFG. DIRECTIONS.

11. SOIL BEARING CAPACITY 2000 PSF MINIMUM

WOOD STRUCTURAL NOTES

- 1. ALL WOOD TO BE SPECIES, GROUP, AND GRADE AS NOTED BELOW. DAMAGED WOOD NOT TO BE USED.
- 2. ALL STRUCTURAL LUMBER SHALL BE SPF (SPRUCE-PINE-FIR) #2 OR BETTER UNLESS OTHERWISE NOTED. (PRE ENG. TRUSSES EXCLUDED)
- 3. END JOINT IN STRUCTURAL DOUBLE TOP PLATE TO BE OFFSET AT LEAST 4". STRUCTURAL DOUBLE PLATES TO BE NAILED @ 6" O.K..
- 4. PLYWOOD OR OSB. WALL SHEATHING NAIL PATTERN TO BE 10d @ 6" O.C.. UNLESS OTHERWISE NOTED.
- 5. NUMBER OF HEADER STUDS AND ADJACENT FULL LENGTH STUDS PER WALL AND HEADER STUD REQUIREMENT SCHEDULE.
- 6. MAX. 1" HOLE DRILLED INTO EXTERIOR STRUCTURAL STUDS
- 7. DBL. STUDS @ EA. END OF SHEAR WALL.
- 8. WHEN ANCHORING MULTIPLE WD. ITEMS TOGETHER, THE LENGTH OF HURRICANE STRAP MUST BE CENTERED.
- 9. NAIL PATTERN

-DOUBLE PLATE 12" O.C., OUTSIDE SPLICE ZONE (SEE NOTE 4) -DOUBLE STUDS @ 12" O.C..

-DOUBLE OR TRIPLE HEADER @ 6" O.C.. @ EDGE @ 12" O.C.. INTERMEDIATE.

-HEADER TO STUD @ 4" O.C.. EA. HEADER MEMBER -STUD TO TOP OR BOTTOM PLATE : (2) 16d THRU PLT. OR (2) 16d EA. SIDE TOE NAILED TO PLT.

10. -ROOF SHEATHING FOR SHINGLE ROOF TO BE MIN. 19/32 OSB, NAILED (10d RING SHANK NAILS) TO ROOF TRUSSES SPACED @ 24" O.C. (MAX) WITHOUT BLOCKING.

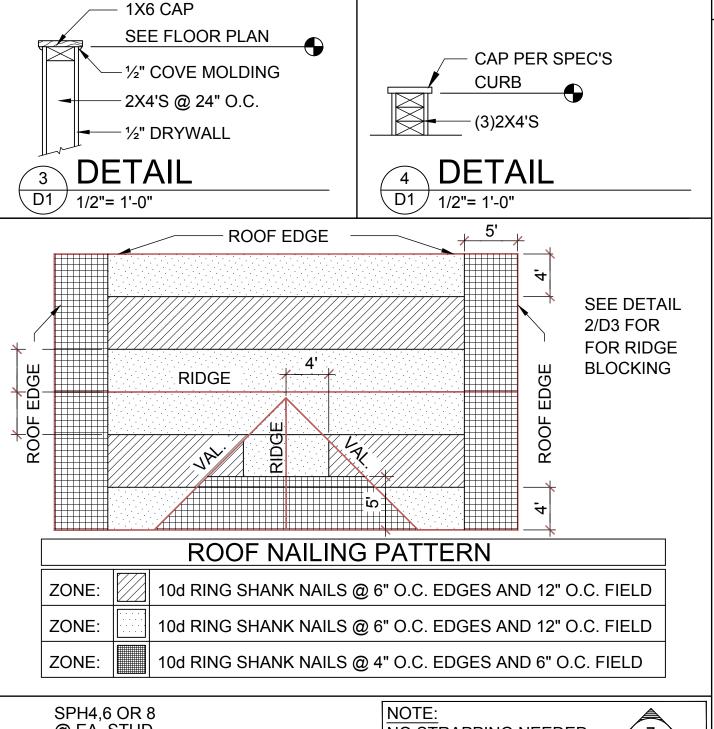
-ROOF SHEATHING FOR TILE ROOF TO BE MIN. 19/32" OSB. 1/2" CDX PLYWOOD OR 1/2" ADVANTECH. NAILED (10d RING SHANK NAILS)TO ROOF TO ROOF TRUSS SPACED @ 24" O.C. (MAX) WITHOUT BLOCKING.

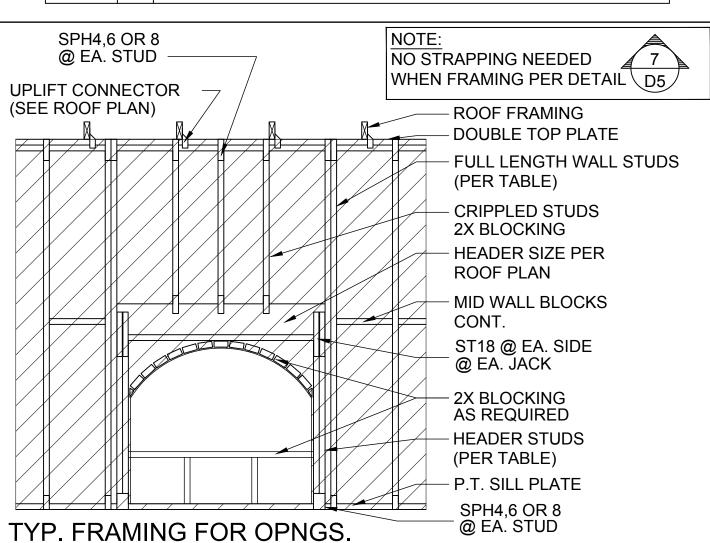
- 11. FLOOR SHEATHING TO BE MIN. 23/32" PLYWOOD NAILED @ 6" O.C. W/ #8 RING SHANK NAILS AND LIQUID NAIL ADHESIVE.
- 12. ALL FLOOR TRUSSES TO BE END BLOCKED @ BEARING LOCATIONS
- 13. TRUSS BRACING PER TRUSS MANUFACTURE'S DRAWINGS
- 14. ALL NAILING SPECIFIED TO BE APPLIED BY NAIL GUN OR MANUALLY
- 15. ALL WOOD IN DIRECT CONTACT WITH MASONRY SHALL BE PRESSURE TREATED.
- 16. 2000 PSF MINIMUM SOIL BEARING CAPACITY

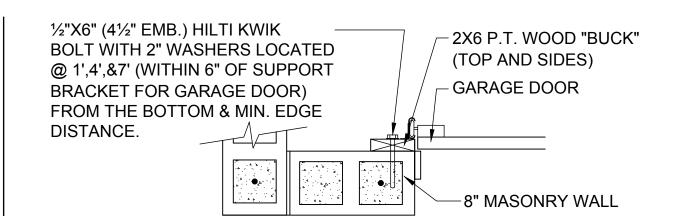
16. NON BEARING WALL: 2X4 SPACED AT 24" O.C. UP TO 12'-0" HEIGHT WITH 2 ROWS OF HORIZONTAL 2X4 BLOCKING SPACE AT 4'-0" O.C.

FIELD REPAIR NOTES

- MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED W/ (1) USP MTW16 OR HC10 OR SIMPSON MTSM16 W/ (4) -1/4" X 2-1/4" TAPCONS TO BOND BEAM AND (7) 10d NAILS TO TRUSS FOR UPLIFTS LESS THAN 860 LBS (USE (2) MTSM16 FOR UPLIFTS LESS THAN 1720#). NO MORE THAN 10 STRAPS MAY BE SUBSTITUTED OR NO MORE THAN 3 IN A ROW. IF GIRGER TRUSS CONNECTIONS ARE MISSED CONTACT ENGINEER FOR SUBTITUTION
- 2. MISSED J-BOLTS FOR FRAMED EXTERIOR/ BEARING WALLS MAY BE SUBSTITUTED W/ 1/2" DIA. x 7" LONG WEDGE ANCHORS (REDHEADS).
- 3. MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES
- 4. BLOCK WALL OVERHANGING SLAB CONDITION: UP TO -7/8" - NO REPAIR NECESSARY -7/8" TO 1-1/4" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED
- 1-1/4"+ REQUIRE SPECIAL ENGINEERING LETTER
- 5. PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/ FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12 @ TOP AND BOTTOM PLATE



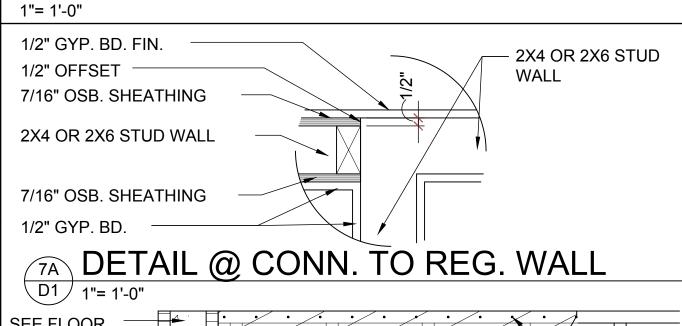


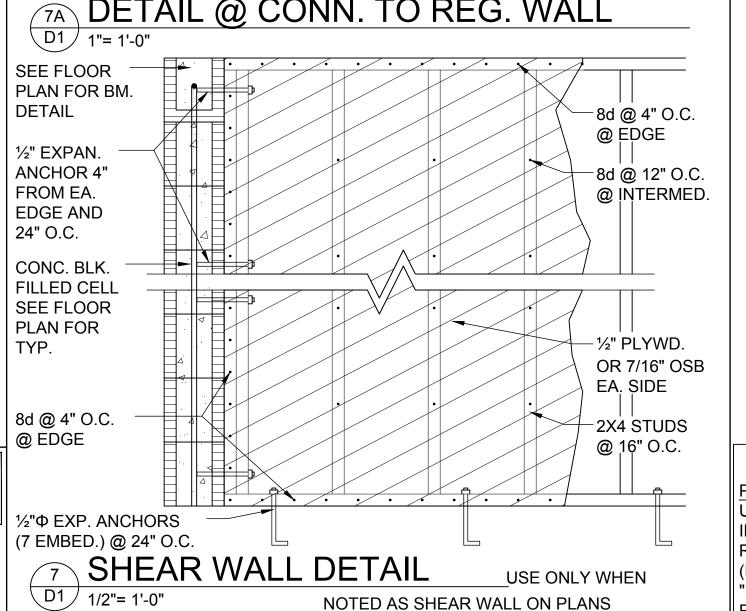


- DETAIL TO SATISFY 150 MPH WIND LOAD - MASONRY FRAME SHALL BE MIN 8X16 ASTM C-9D - GROUT FILLED CELL W/1/2" ASTM 2 #5 REBAR (GRADE 60) @ EA. SIDE OF GARAGE DOOR OPENING

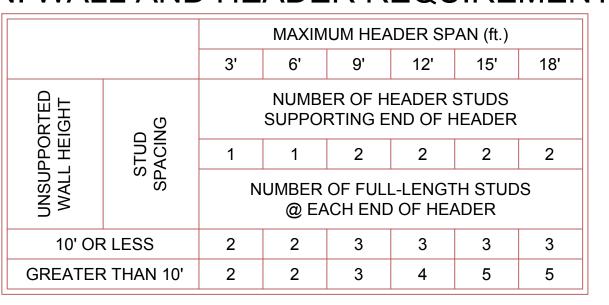
- MAX. DISTANCE TO CORNER OF C.B.S. WALL REINF. 48" - REINF. TO BE CONT. FROM FTG. TO TIE BEAM W/ ALL "ACI" DETAILS & DEVELOPMENT LENGTHS ADHERED TO - GARAGE DOOR MANUF. TO PROVIDE ATTACHMENT TO "BUCK"
-) THE GARAGE DOOR ASSEMBLY SHALL BE DESIGNED FOR POSITIVE AND NEGATIVE WIND PRESSURES OF 25 PSF IN ACCORDANCE WITH SECTION R301 OF THE FLORIDA RESIDENTIAL CODE CERTIFICATION SHALL BE SUBMITTED FROM THE GARAGE DOOR MANUFACTURER TO THE BUILDING DEPARTMENT FOR THE **FOLLOWING ITEMS:**
 - A.) THE DESIGN OF THE DOOR CAN WITHSTAND POSITIVE AND NEGATIVE WIND PRESSURES OF 25 PSF
- B.) THE DESIGN OF THE DOOR COMPLIES WITH THE CRITERIA SPECIFIED IN SECTION R609 OF THE 2023 FLORIDA BUILDING CODE RESIDENTIAL, 8TH EDITION
- C.) DOOR SIZE, TYPE AND GLAZING
- D.) TRACK SIZE AND FASTENER DETAILS.
- E.) TRACK BRACKET QUANTITY, SPACING AND FASTENER DETAILS.
- F.) REINFORCING MEMBER QUANTITY, LOCATION, SIZE, TYPE AND FASTENER DETAILS. (IF REQUIRED)

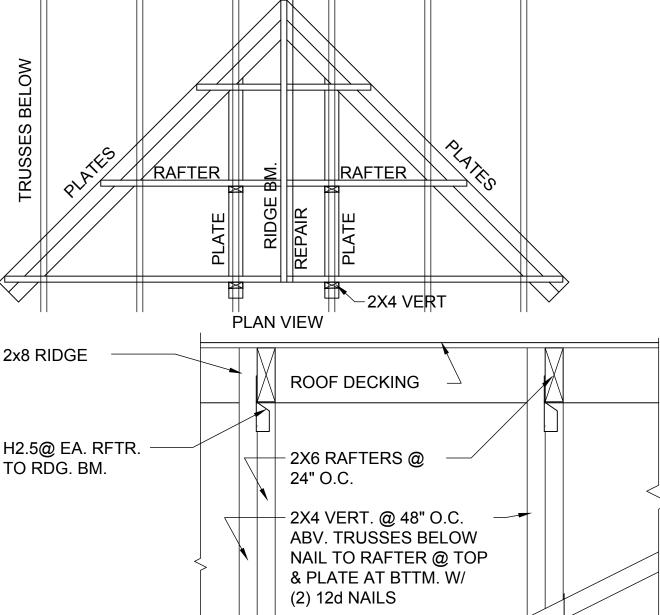
GARAGE BUCK DETAIL

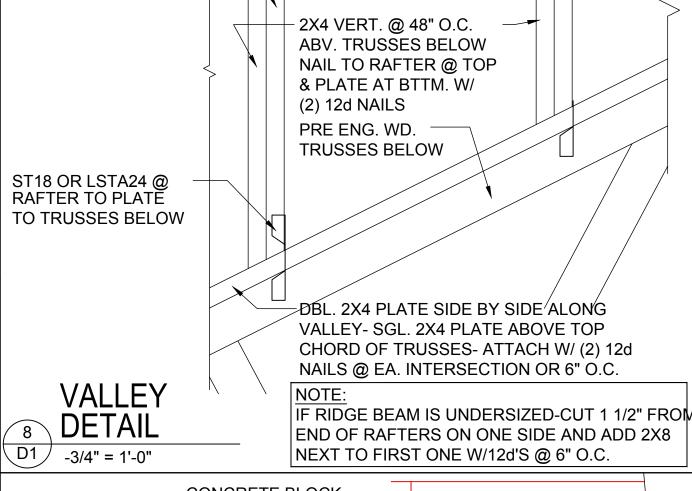


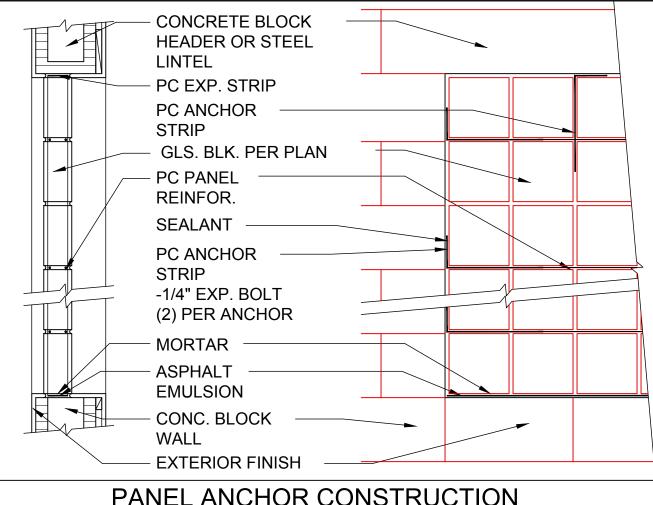


MIN. WALL AND HEADER REQUIREMENTS









PANEL ANCHOR CONSTRUCTION

PC PANEL REINFORCING (TOP): USED IN PANELS OVER 25"S.F. IN AREA,IS EMBEDDED HORIZONTALLY IN THE MORTAR JOINTS BETWEEN EVERY OTHER COURSE. PANEL REINFORCING IS FORMED OF TWO PARALLEL WIRES, EITHER 1-5/8" O.C. (FOR USE WITH "THINLINE" SERIES GLS. BLK.) OR 2" O.C. (FOR USE W/ "PREMIERE" SERIES GLS. BLK.), W/ BUTT WELDED CROSSWIRES AT REGULAR INTERVALS. 4' AND 10' LENGTHS AVAILABLE.

PC PANEL ANCHORS (MIDDLE): ARE USED TO TIE PITTSBURGH CORNING GLASS BLOCK PANELS INTO THE SURROUNDING FRAMEWORK WHEN CHANNELS ARE NOT USED. FORMED FROM 20 GAUGE PERFORATED- THEN GALVANIZED STEEL STRIPS, PANEL ANCHORS ARE AVAIL. IN 1-3/4" WIDTHS X 24" LENGTHS.

PC EXPANSION STRIPS (BOTTOM): MADE OF WHITE POLYETHYLENE, ARE INSERTED AT THE HEAD AND THE STRIPS REPLACE MORTAR AT THESE POINTS TO CUSHION THE GLASS BLOCK AND ALLOW THE PANEL TO EXPAND & CONTRACT FREELY. FOR METAL CHANNEL OR MASONRY CHASE CONSTRUCTION, PC EXPANSION STRIPS ARE AVAILABLE 3/8" THICK X 4" WIDE X 24" LONG. FOR PANEL ANCHOR CONSTRUCTION, STD. 4" WIDE STRIPS ARE EASILY CUT TO 3" WIDTH, FOR 3-7/8" "PREMIERE" SERIES BLK., AND TO 2-1/4" WIDTH, FOR 3-1/8" "THINLINE" SERIES BLOCK.

GLASS BLOCK DETAIL









662 bdivision "EVOLVE **⊢** 40.

ot #
Stree

City,

A division of Park Square Enterprises Inc. 200 Vineland Rd. Suite #200 Orlando, Fl. 32811 Phone: (407) 529-3000



SSUE DATE | 06/07/2019 REVISIONS

PROJECT: 19-0274 AS NOTED DRAWN BY: S.B. DESIGNED BY: MJS

STRUCTURAL NOTES & DETAILS

