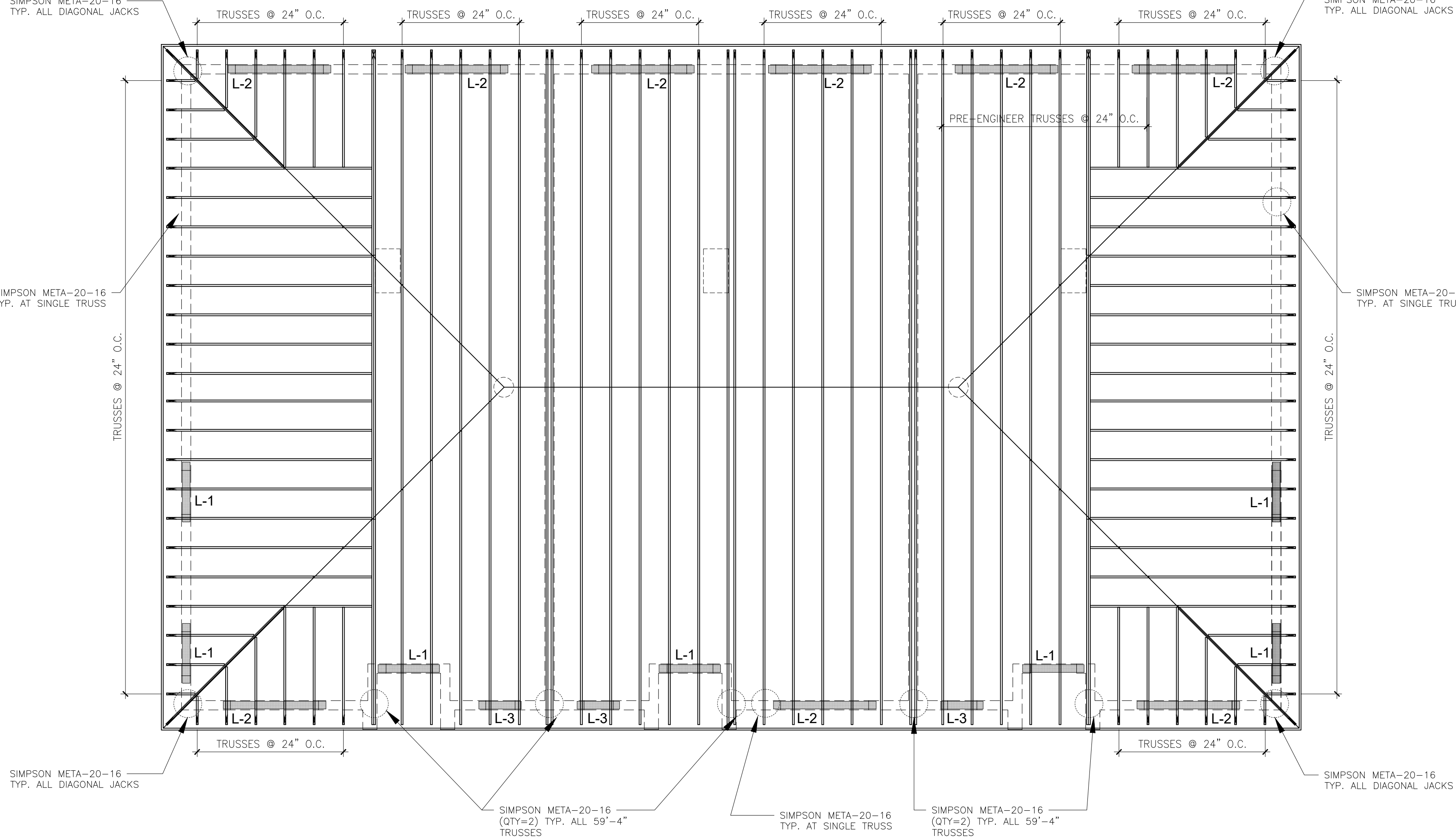


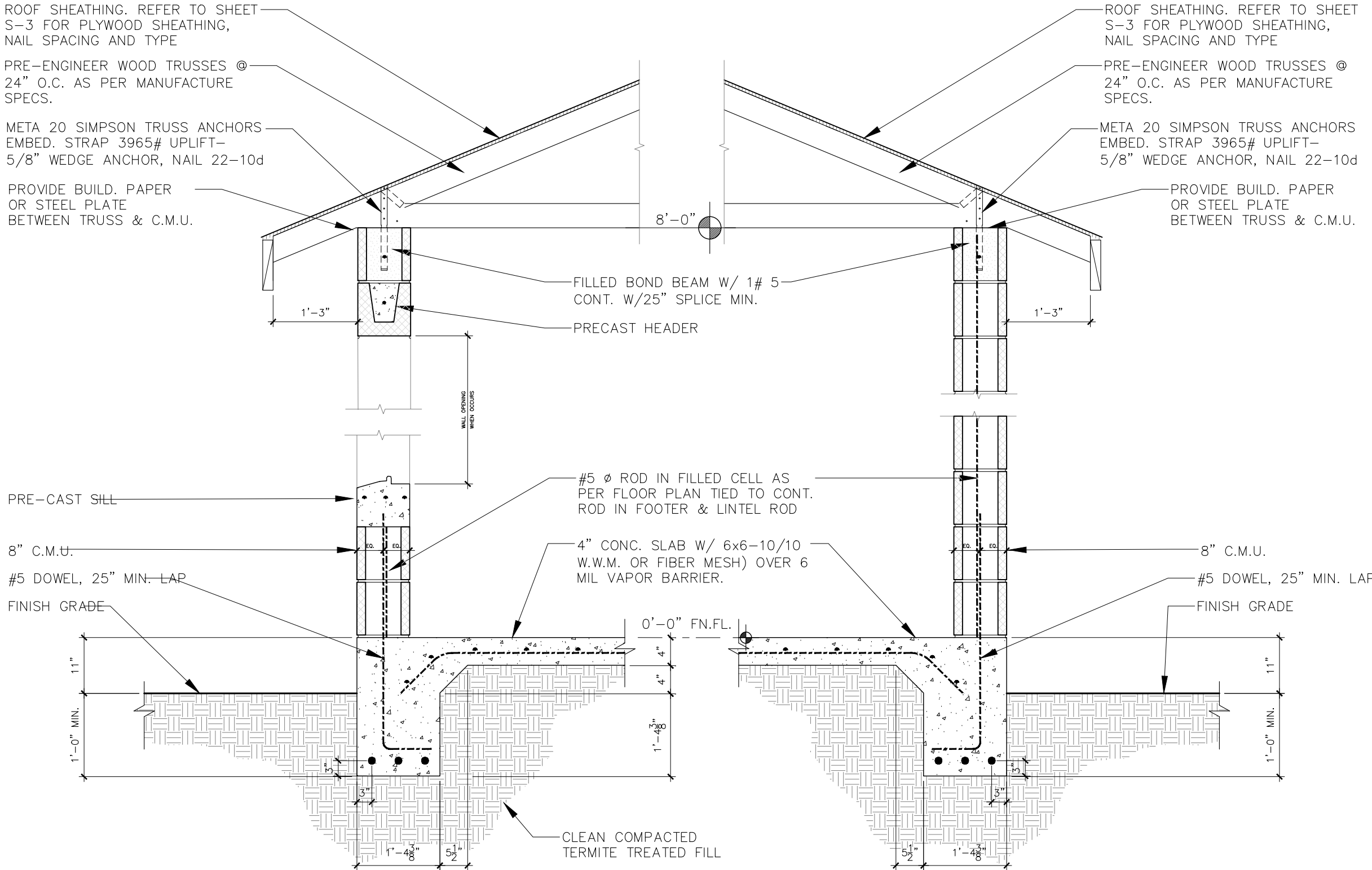
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IMPORTANT NOTE:



FRAMING PLAN

SCALE: 3/16" = 1'-0"



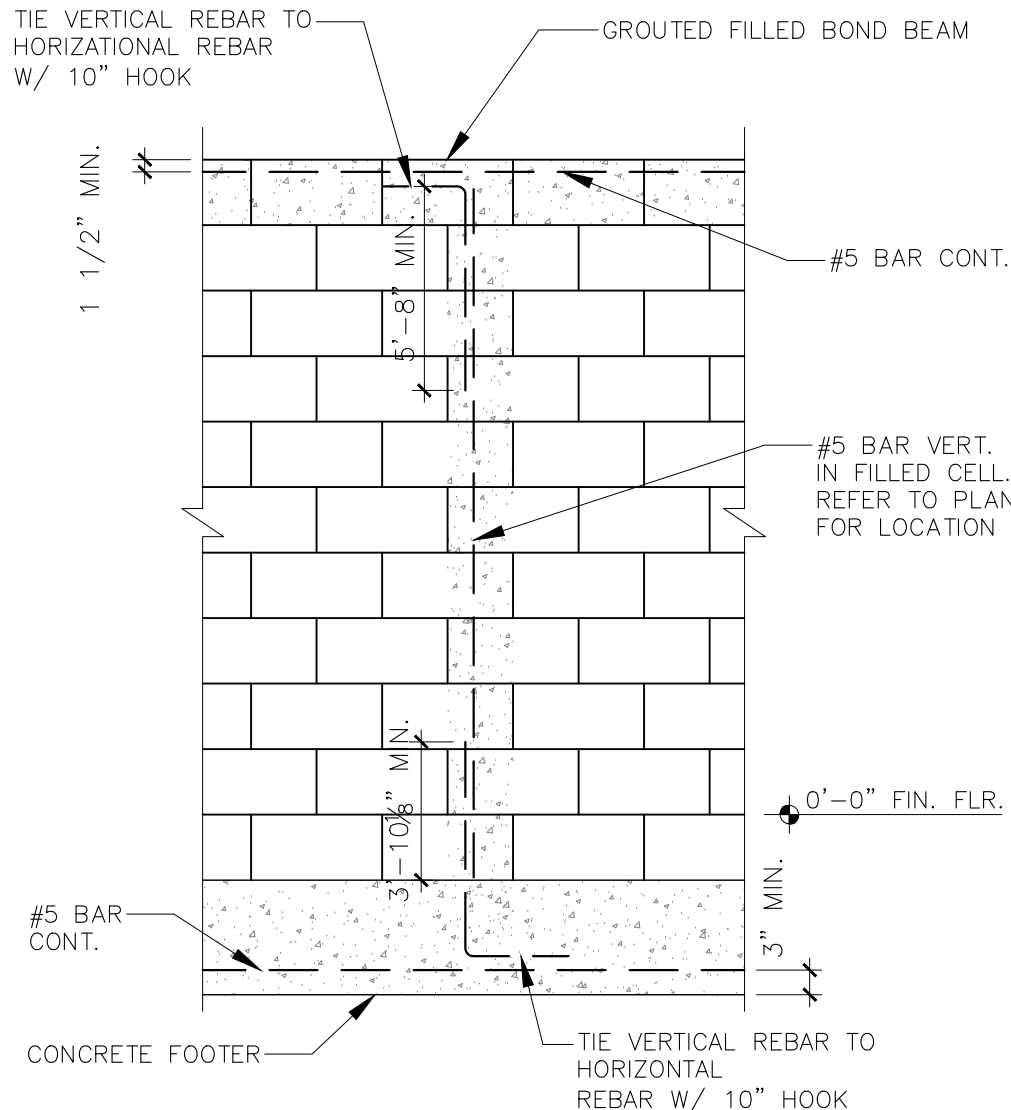
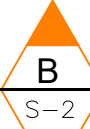
TYPICAL WALL SECTION

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



TYPICAL WALL SECTION

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



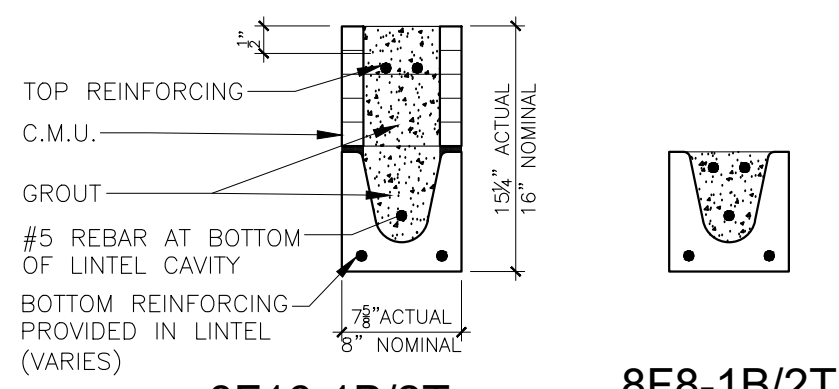
TYPICAL FILLED CELLS DETAIL
N.T.S.

WIND DESIGN		ASCE 7-22 / FBC 2023
RISK CATEGORY	II	
DIRECTIONALITY (KD)	0.85	
MEAN ROOF HEIGHT	12'	
EXPOSURE CATEGORY	C	
ENCLOSURE CLASSIF.	ENCLOSED BUILDING	
INTERNAL PRESSURE	0.18	
α	4.4 FT.	
ROOF ANGLE	22.6 DEG.	
TYPE OF ROOF	HIP	

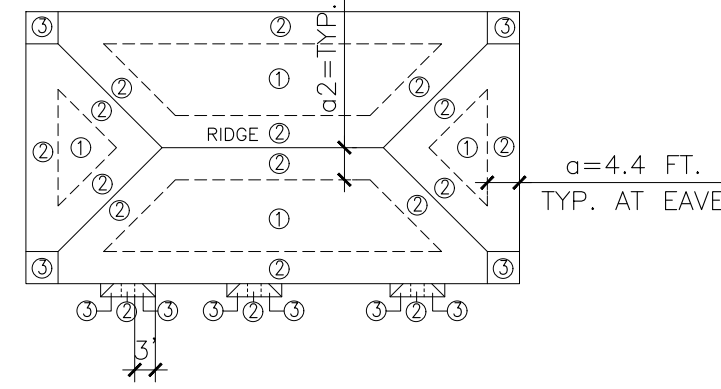
NOA No:22-0125.04

Approved Date: 03-10-2022
Expiration Date: 05-21-2027

SAFE GRAVITY LOADS FOR 8" PRECAST & PRESTRESSED U-LINTELS							
	LENGHT	TYPE	8U8	GRAVITY (PLF)		UPLIFT (PLF)	
				8F8-0B	8F16-0B	8F8-0T	8F16-0T
L-1	PRECAST (54")	4'-6"	1599	1969	2931	1207	2724
				2189	6113	1207	2724
L-2	PRECAST (90")	7'-6"	743	1011	2632	727	1634
				1011	2661	727	1634
L-3	PRECAST (42")	3'-6"	2231	3069	5163	1569	3547
				3069	6113	1569	3547



TYPE DESIGNATION



ROOF ZONING PLAN

SCALE: N.T.S.

ROOF SHEAR DIAPHRAGM PER FBCR, TABLE R803.2.3.1							
	PANEL GRADE	FRAM.G TRUSS SPOG.	MIN. PANEL THICKNESS	DIAPHRAGM BOUNDARIES	NAIL SPACING AT OTHER PANEL EDGES	INTERMEDIATE SUPPORTS	COMMON NAIL SIZE
FLOOR	APA RATED SHEATHING 1 EXP. 1, PANEL SPAN 48/24	24" O.C.	23/32" (3/4" NOMINAL)	6" O.C.	6" O.C.	6" O.C.	MIN. 10d RING SHANK NAILS WITH MIN. DIMENSIONS IN ACCORDANCE WITH FBC R803.2.3.1
NOTE:				REMARKS			
ROOF SHEATHING REQUIRED TO BE ATTACHED TO 2" MIN. STRUCTURAL FASCIA OR SUB-FASCIA AS PER FBCR 4409.2.7				UNBLOCKED DIAPHRAGM / TONGUE & GROOVE EDGE BOARD			

ROOF NOTES:

- USE 5/8" PLYWOOD ROOF SHEATHING ATTACHED WITH 8d RING SHANK NAILS AT 6" O.C. AT PANEL EDGES AND AT INTERMEDIATE SUPPORTS & 8d RING SHANK NAILS @ 4" O.C. THRU BOUNDARIES
- SHEATHING SHALL BE CONTINUOUS OVER 2 OR MORE SPANS WITH FACE GRAIN PERPENDICULAR TO SUPPORTS AND SHALL HAVE STAGGERED JOINTS.
- PREFABRICATED WOOD TRUSSES TO BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, THE TRUSS INSTITUTE AND ARCHITECTURAL, STRUCTURAL DRAWINGS, TRUSS MANUFACTURER TO SUBMIT SIGNED REACTIONS TO THE SUPPORTING STRUCTURE.
- ALL ROOF MEMBERS TO BE SECURED TO TIE BEAMS OR OTHER STRUCTURAL MEMBERS WITH HURRICANE STRAPS AS SHOWN IN THE METAL CONNECTOR SCHEDULE ON THE CONTRACT DRAWINGS.
- COORDINATE ALL SLOPES AND LOCATIONS OF ALL CHASSES WITH ARCHITECTURAL AND MEP DRAWINGS.
- COORDINATE TRUSS LAYOUT WITH ARCHITECTURAL DRAWINGS.

GENERAL LUMBER NOTES:

- ALL WOOD FOR BEAMS, BEARING WALLS, SOLE PLATES, TOP PLATES, BLOCKING, BRACING, LEDGERS CRIPPLES, SILLS, ETC., SHALL BE SOUTHERN PINE NO. 2, KD-15, OR BETTER, Fb = 1200 PSI.
- ALL WOOD IN CONTACT WITH CONCRETE OR CONCRETE BLOCK SHALL BE PRESSURE TREATED.
- WOOD FOR NON-STRUCTURAL USES SHALL BE RATED TO RETENTION LEVELS OF 0.25 PCF OF A BORATE PRESERVATIVE TREATMENT: DISODIUM OCTOBORATE TETRAHYDRATE (DOT).
- WOOD FOR STRUCTURAL USE THAT SHALL BE TREATED FOR ANY REASON SHALL BE RATED TO RETENTION LEVELS OF 0.42 PCF OF DOT OR MORE.
- NAILS, SPIKE, BOLTS USED W/ DOT SHALL BE HOT DIPPED GALV. FOR STRUCTURAL USES, AVOID BUYING TREATED LUMBER THAT CONTAINS MORE THAN 1/2" OF HEARTWOOD.
- WHEN A USP HLPTA75 IS SPECIFIED IN A BOND BEAM WITH A SINGLE #5, UPLIFT IS BASED UPON RATIONAL ANALYSIS AND MANUFACTURER'S INFORMATION HURRICANE STRAPS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

TYPICAL TRUSSES FRAMING NOTE:

- TRUSS MANUFACTURER TO PROVIDE FINAL PRE-ENGINEERED SHOP DRAWING FOR THIS STRUCTURE BASED ON 135 MPH WIND LOAD, SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER FOR SPAN AND LOADING OF 47 LBS PER SQ. FT. TOTAL LOAD.
- ALL TRUSSES SHALL BEAR ON EXTERIOR CMU WALLS.
- PROVIDE TIE IN PACKAGE AS REQUIRED (VALLEY).
- MANUFACTURER TO VERIFY SPAN LOCATION ON SITE BEFORE FABRICATION.
- TRUSS MANUFACTURER TO PROVIDE COMPLETE ROOF FRAMING PLAN KEYED TO THE TRUSS PROFILES SHOWING EACH TRUSS UP LIFT, LATERAL LOADS, AND DOWN LOADS. OVER HANGS TO BE 12" UNLESS SPECIFIED OTHERWISE.
- CONTRACTOR TO VERIFY CEILING TYPE & HEIGHT W/ OWNER & TRUSS MANUFACTURER BEFORE CONSTRUCTION & FABRICATION OF TRUSSES.
- CONTRACTOR TO SUBMIT TRUSS PRE-ENGINEERED SHOP DRAWINGS TO ARCHITECT FOR APPROVAL BEFORE FABRICATION & CONSTRUCTION.
- TRUSSES TO BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE "NATIONAL DESIGN SPEC- EDIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENINGS" BY THE NFPA. TRUSS DESIGNS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN FLORIDA. SEE NOTES FOR SHOP DRAWINGS.
- CONNECTOR PLATES SHALL BE A MINIMUM THICKNESS OF 0.036" AND BE MANUFACTURED FROM STEEL MEETING THE REQUIREMENTS OF ASTM A446, GRADE A, AND SHALL BE HOT-DIPPED GALVANIZED.
- HANDLING, ERECTION AND BRACING OF TRUSSES SHALL BE IN ACCORDANCE WITH TRUSS PLATE INSTITUTE RECOMMENDATIONS TPI's TPI/WCTA BCSI 1.
- HURRICANE STRAPS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS OF ALTERNATE CONNECTION DETAILS AT TRUSSES/GIRDERS TO COLUMNS AND WALLS FOR APPROVAL.
- THE LOCATIONS OF GIRDERS AND TRUSSES SHOWN ON THE ROOF FRAMING PLAN WERE USED TO FACILITATE DESIGN OF FOUNDATIONS, WALLS, AND BEAMS. THE CONTRACTOR SHALL SUBMIT TRUSS SHOP DRAWINGS FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION. THE TRUSS FABRICATOR SHALL PROVIDE ENGINEERED SHOP DRAWINGS OF EACH INDIVIDUAL TRUSS AND A FULLY DIMENSIONED ERECTION PLAN SHOWING COMPONENT LAYOUT. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER.
- THE HURRICANE STRAPS SPECIFIED ON THE WALL SECTIONS AND PLANS ARE PROVIDED TO FACILITATE THE CONSTRUCTION SCHEDULE, AND MAY CHANGE PREDICATED ON THE TRUSS AND GIRDER REACTIONS PROVIDED BY THE TRUSS ENGINEER.
- PROVIDE ADEQUATE BRACING & BRIDGING TO TRUSSES TO RESIST WIND & OTHER LATERAL FORCES.

ULTIMATE LOAD			
ULTIMATE WIND SPEED	135 MPH	(LRFD)	
BASE PRESSURE (QH)	37.2 PSF	(LRFD)	
ROOF SURFACE PRESSURE (PSF)			
AREA	10 SF	50 SF	100 SF
NEGATIVE ZONE 1	-40.1 PSF	-37.5 PSF	-36.4 PSF
NEGATIVE ZONE 2	-69.9 PSF	-56.9 PSF	-51.3 PSF
NEGATIVE ZONE 3	-69.9 PSF	-56.9 PSF	-51.3 PSF
POSITIVE ALL ZONES	25.3 PSF	20.1 PSF	17.8 PSF
OVERHANG ZONE 2	-81.8 PSF	-81.8 PSF	-81.8 PSF
OVERHANG ZONE 3	-81.8 PSF	-81.8 PSF	-81.8 PSF
WALL SURFACE PRESSURE (PSF)			
AREA	10 SF	100 SF	500 SF
NEGATIVE ZONE 4	-47.6 PSF	-41.0 PSF	-36.4 PSF
NEGATIVE ZONE 5	-58.7 PSF	-45.6 PSF	-36.4 PSF
POSITIVE ZONE 4 & 5	43.9 PSF	37.3 PSF	32.7 PSF
SERVICE LOAD			
ULTIMATE WIND SPEED	104.6 MPH	(ASD)	
BASE PRESSURE (QH)	22.3 PSF	(ASD)	
ROOF SURFACE PRESSURE (PSF)			
AREA	10 SF	50 SF	100 SF
NEGATIVE ZONE 1	-24.1 PSF	-22.5 PSF	-21.9 PSF
NEGATIVE ZONE 2	-41.9 PSF	-34.1 PSF	-30.8 PSF
NEGATIVE ZONE 3	-41.9 PSF	-34.1 PSF	-30.8 PSF
POSITIVE ALL ZONES	15.2 PSF	12.0 PSF	10.7 PSF
OVERHANG ZONE 2	-49.1 PSF	-49.1 PSF	-49.1 PSF
OVERHANG ZONE 3	-49.1 PSF	-49.1 PSF	-49.1 PSF
WALL SURFACE PRESSURE (PSF)			
AREA	10 SF	100 SF	500 SF
NEGATIVE ZONE 4	-28.5 PSF	-24.6 PSF	-21.9 PSF
NEGATIVE ZONE 5	-35.2 PSF	-27.4 PSF	-21.9 PSF
POSITIVE ZONE 4 & 5	26.3 PSF	22.4 PSF	19.6 PSF
NOTE:			
PRESSURES LISTED ABOVE IN BOTH VALUES, ULTIMATE (LRFD) & SERVICE OR NOMINAL (ASD) WHICH HAVE BEEN OBTAINED BY MULTIPLYING ULTIMATE VALUES BY 0.6. USE SERVICE VALUES (ASD) FOR WIND RESISTANCE TESTING COMPLIANCE PER FB			

NAILING PATTERN:

- ZONE #1 = 10d @ 12" O.C. FIELD & 6" O.C. EDGE.
ZONE #2 = 10d @ 6" O.C. EDGE & FIELD.
ZONE #3 = 10d @ 4" O.C. GABLE 6" O.C. FIELD & EDGE.

Project No:	2024-02
File Name:	9 HUMMINGBIRD ST
Drawn By:	ORLANDO SANTIAGO
Checked By:	ORLANDO SANTIAGO
Plot Date:	AUGUST 24, 2024
Permit No.	
Issue for	Permit

REVISIONS		Comments
No.	Date	

PROJECT:	NEW TOWNHOUSE AT:
	LOT-9 HUMMINGBIRD STREET, DELTONA, FLORIDA
	SHEET CONTENTS:
CONSULTANT:	ARCHITECTS
	INTERIOR ARCHITECTS
SEAL:	PO BOX 6113 DELTONA FLORIDA 32728-6113 PH. (386) 393-0970 arqsantiago@gmail.com
	ORLANDO SANTIAGO, AIA AR66462

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SHEET NO.
S-2