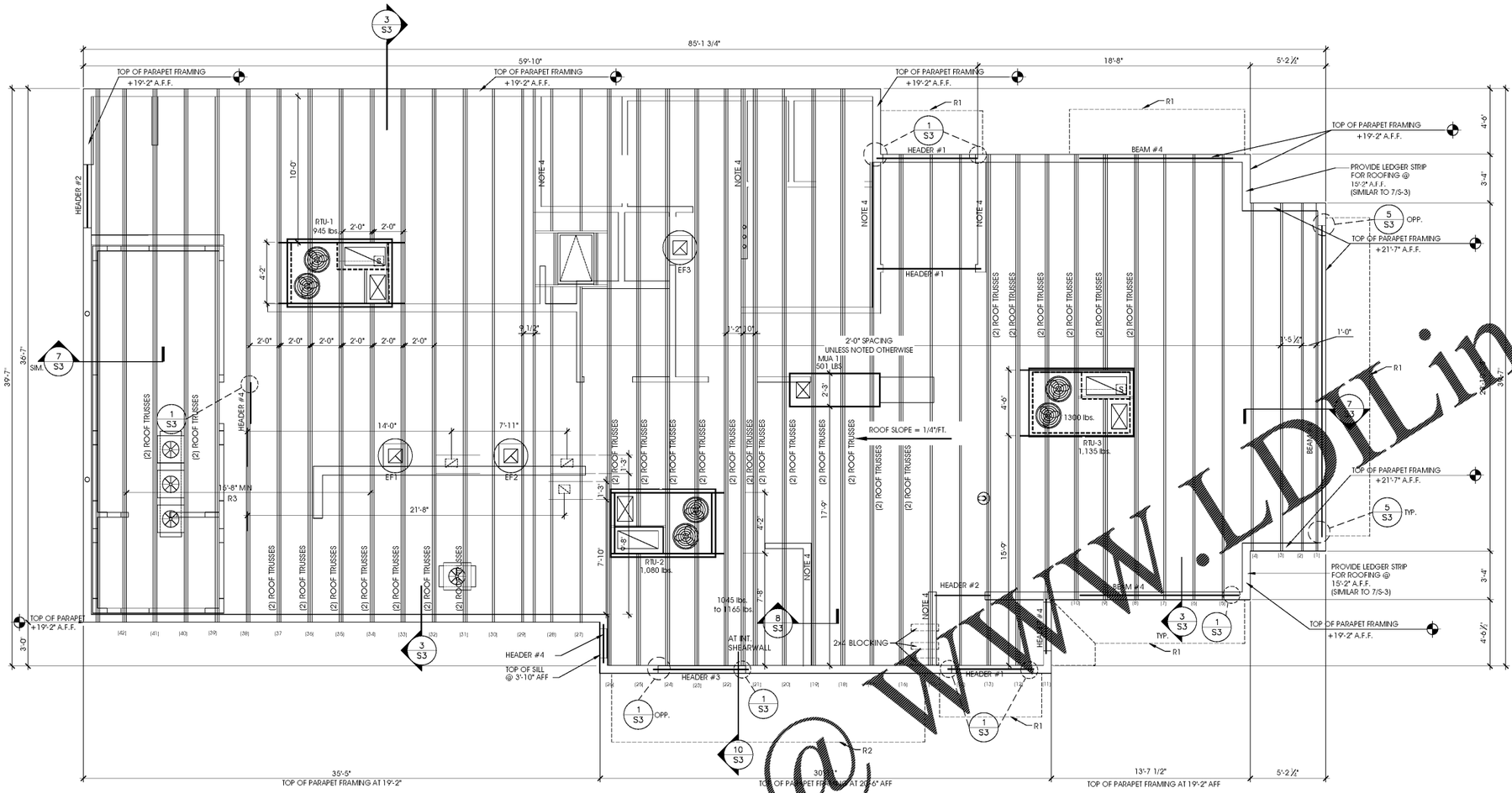


ROOF FRAMING PLAN

1/4"=1'-0"

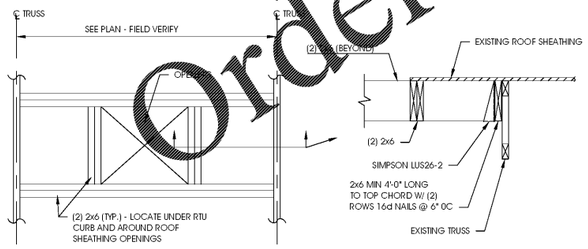
KEYED NOTES:

R1 - PRE-FAB BY OTHERS, SEE ARCH DWGS

R2 - SEE DET 10/S3 FOR PRE-FAB CALCS

NOTE:

1. G.C. TO VERIFY LOCATION OF ALL MECHANICAL EQUIPMENT PRIOR TO CONSTRUCTION
2. G.C. TO PROVIDE DOUBLE 2x4 BLOCKING FOR P.O.S MONITOR BRACKETS. G.C. TO SECURE TO TRUSSES PER P.O.S VENDOR DIRECTION.
3. THE STRUCTURE HAS BEEN DESIGNED IN COMPLIANCE WITH CHAPTER 16 OF THE 2015 IBC. (ASCE 7-10 FOR 115 MPH WIND)



RTU CURB AND ROOF OPENING SUPPORT

NTS

ROOF FRAMING NOTES:

1. ALL DIMENSIONS ARE TO EXTERIOR FACE OF PLYWOOD UNLESS NOTED OTHERWISE.
2. DIMENSIONS SHOWN FOR MECHANICAL EQUIPMENT ARE APPROXIMATE. COORDINATE ALL ROOF PENETRATIONS WITH MECHANICAL AND PLUMBING CONTRACTORS.
3. ROOF IS NOT DESIGNED TO SUPPORT ANY FUTURE MECHANICAL EQUIPMENT OR ANY OTHER LOADS.
4. TRUSS TO ALIGN WITH SHEAR WALL BELOW PER 9/S3

BEAM SCHEDULE:

TAG#	SIZE	BEARING HGT.
HEADER 1	(3)2X10 W/ 1/2" PLYWD. SPACER TO MATCH WALL/COLUMNS WIDTH.	9'-4" A.F.F.
HEADER 2	(3)2X8 W/ 1/2" PLYWD. SPACER	7'-1" A.F.F.
HEADER 3	(3)2X8 W/ 1/2" PLYWD. SPACER	6'-2" A.F.F.
BEAM 4	5 1/4"X9 1/4" PSL	9'-4 1/2" A.F.F.
HEADER 4	(3)2X6 W/ 1/2" PLYWD. SPACER	6'-2" A.F.F.

GENERAL STRUCTURAL NOTES:

DESIGN LOAD CRITERIA

TOP CHORD (ROOF)
DEAD LOAD ----------20 psf
LIVE LOAD ----------20 psf
ADD. EQUIP. LOAD AS SHOWN ON ROOF FRAMING PLAN BOTTOM CHORD (CLG)
DEAD LOAD ----------10 psf
TOTAL DESIGN LOAD ----------50 psf

ROOF SNOW LOADS-----
1. GROUND SNOW LOAD----------Pg = 15 psf
2. FLAT-ROOF SNOW LOAD----------Pf = 20 psf
3. SNOW EXPOSURE FACTOR----------Ce = 1.0
4. SNOW LOAD IMPORTANCE FACTOR----------I = 1.0
5. SNOW THERMAL FACTOR----------Ct = 1
6. ALL APPLICABLE EFFECTS DUE TO SNOW DRIFTING DUE TO PARAPETS AND EQUIPMENT

SEISMIC LOADS-----
1. RISK CATEGORY = II
2. SEISMIC IMPORTANCE FACTOR = 1
3. SDS = 0.230g, SD1 = 0.154g
4. SITE CLASS = C (PER PROJECT GEOTECH REPORT)
5. BASIC SEISMIC-FORCE RESISTING SYSTEM = BEARING WALL SYSTEM WITH LIGHT FRAMED SHEAR WALLS
6. DESIGN BASE SHEAR = 7K
7. ANAYLSIS PROCEDURE = EQUIV. LATERAL FORCE
8. SEISMIC DESIGN CATEGORY = B

WIND LOAD

1. BASIC WIND SPEED	115 MPH (ULT.)/90 MPH (ASD)
2. WIND IMPORTANCE FACTOR	1.0
3. BUILDING CATEGORY	II
4. WIND EXPOSURE	B
5. INTERNAL PRESSURE COEFFICIENT	±0.18
6. COMPONENTS & CLADDING DESIGN	
7. WIND PRESSURE *	21.93 PSF

* VALUE HAS NOT BEEN MULTIPIED BY GCp VALUE. GCp VARIES BASED ON EFFECTIVE WIND AREA.

STEEL

A. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM SPECIFICATION A36, EXCEPT TUBE COLUMN WHICH SHALL CONFORM TO ASTM A500, GRADE B.
B. ALL BOLT FASTENERS SHALL BE GALVANIZED MACHINE BOLTS EXCEPT FOR ANCHOR BOLTS WHICH SHALL CONFORM TO ASTM A307, GRADE A OR F1554, GRADE 36.

TIMBER:

WOOD FRAMING
A. ALL JOISTS, RAFTERS, BEAMS AND HEADERS 2" TO 4" THICK SHALL BE KD-15 SOUTHERN PINE NO. 2 OR BETTER.
B. STUDS AND PLATES SHALL BE KD-15 SOUTHERN PINE IN STUD GRADE OR BETTER.
C. ALL STRUCTURAL PLYWOOD SHALL BE EXTERIOR GRADE C OR BETTER WITH A MINIMUM SPAN RATING OF 32/16.

TRUSS FRAMING
LUMBER SPECIFICATIONS

D. TOP AND BOTTOM CHORDS TO BE #2 MC KD SELECT DENSE STRUCTURAL GRADE SOUTHERN PINE.
E. WEB MEMBERS TO BE #3 MC KD SELECT DENSE STRUCTURAL GRADE SOUTHERN PINE.
F. PROVIDE 2x4 CROSS BRACING OR BRIDGING AT ALL 1/3 POINTS OF THE TRUSS SPAN FOR BOTH TOP AND BOTTOM CHORDS.
G. STEEL TRUSS GUSSET PLATE SHALL BE EITHER NAILED OR PRESS-IN TYPE COMPLYING w/ STANDARDS OF THE TRUSS PLATE INSTITUTE.
H. THE ROOF TRUSS STRUCTURAL DESIGN IS CALCULATED BASED ON THE DESIGN LOADS SHOWN. THE CONTRACTOR SHALL SUBMIT TRUSS SHOP DRAWINGS, INCLUDING STRUCTURAL CALCULATIONS, SIGNED AND SEALED BY A STRUCTURAL ENGINEER LICENSED TO PRACTICE IN THE STATE WHERE THE SITE IS LOCATED, TO THE ARCHITECT FOR REVIEW. SEALED DRAWINGS AND CALCULATIONS SHALL BE AVAILABLE ON JOB SITE.

FOUNDATIONS:

A REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER SHALL BE RETAINED TO ASSESS BEARING CAPACITY OF EXISTING SOILS AND TO PROVIDE RECOMMENDATIONS FOR FOUNDATION CONSTRUCTION.

DIMENSIONS:

ALL DIMENSIONS ARE TO EXTERIOR FACE OF PLYWOOD UNLESS NOTED OTHERWISE.
ALL DIMENSIONS ON STRUCTURAL DRAWINGS TO BE CHECKED AGAINST ARCHITECTURAL. NOTIFY DESIGNER AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION.

SHEATHING:

1. PROVIDE 1/2" EXTERIOR GRADE PLYWOOD SHEATHING CONTINUOUS OVER EXTERIOR WALLS OF BUILDING.
2. ROOF SHEATHING TO BE 5/8" CDX PLYWOOD.

7. NAILING PATTERN:

A. PLYWOOD TO COMMON STUD WALL: NAIL WITH 10d NAILS 6" O.C. AT ALL JOINTS, AND AND 12" O.C. AT ALL INTERMEDIATE STUDS.
B. PLYWOOD TO ROOF TRUSS (ROOF DECKING): SEE SHT. S-4 FOR ROOF NAIL PATTERN.

FRCH NELSON
A NELSON BRAND
311 Elm Street Suite 600
Cincinnati OH 45202
513 241 3000
www.frchnelson.com

LOUISIANA KITCHEN
POPEYES

BRITT PETERS AND ASSOCIATES PLLC
consulting engineers
999 Waterside Drive
Suite 2202
Norfolk, VA 23510
(757) 965-5710
www.brittpeters.com
BPA Job No. 200282

JPL MANAGEMENT

ISSUE INFORMATION

REVISIONS

Nelco Architecture, Inc.

STATE OF KENTUCKY
WILLIAM B. UNDERWOOD
32282
LICENSED
PROFESSIONAL ENGINEER
05/12/20

PROJECT INFORMATION

BOWLING GREEN, KY

DISHMAN LANE
BOWLING GREEN, KY 42101

PROJECT #:
20.0001760.000

SHEET INFORMATION

ROOF FRAMING PLAN

DRAWN BY:
BS

REVIEWED BY:
BU

SCALE:
AS NOTED

AUTHORIZED FOR:
Permit / Bid

S2