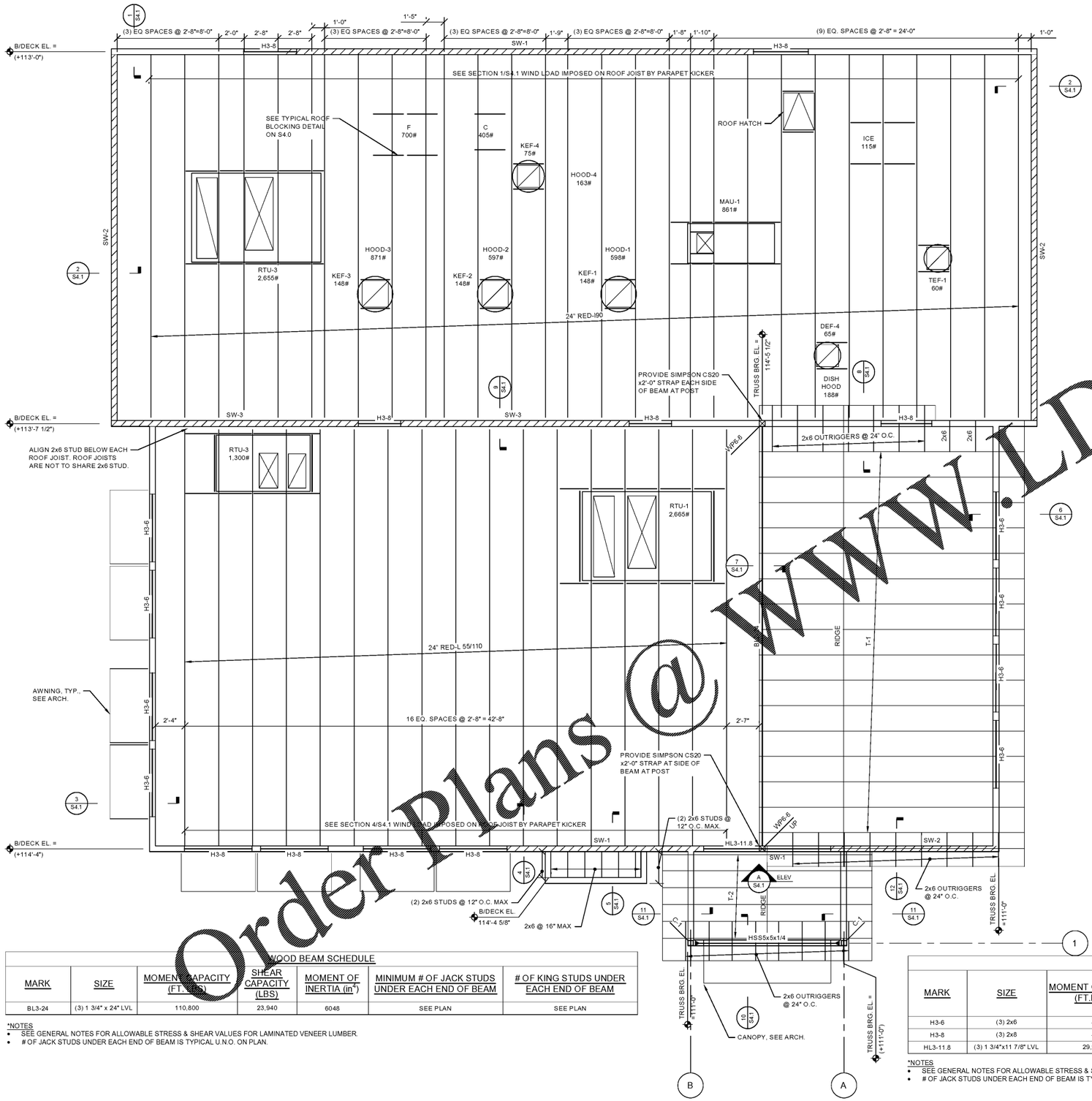

ROOF FRAMING PLAN

1/4" = 1'-0"

NOTES:

- ROOF CONSTRUCTION: 3/4" APA RATED SHEATHING, SPAN RATING 40/20, EXPOSURE 1, NAILED TO FRAMING. SEE TYPICAL ROOF SHEATHING LAYOUT AND ATTACHMENT DETAIL ON S4.0 FOR ADDITIONAL INFO.
- T-X DENOTES PREFABRICATED WOOD ROOF TRUSSES DESIGNED BY TRUSS MFR AND SPACED AT A MAXIMUM OF 2'-0" O.C. SEE S5.0 FOR TRUSS PROFILES.
- TRUSS BEARING (T/B) = XX'-XX" REFERENCED FROM SLAB ON GRADE ELEVATION OF 100'-0".
- PROVIDE METAL ANCHORS ON ALL TRUSSES AND ROOF FRAMING TO RESIST WIND UPLIFT. TRUSS SUPPLIER TO INDICATE ANCHORS ON TRUSS ERECTION PLAN. SEE S4.0 FOR METAL UPLIFT ANCHOR SCHEDULE FOR ADDITIONAL INFO.
- 24" RED-L XX/XXX DENOTES OPEN WEB TRUSSES DESIGNED BY MFR FOR DESIGNATED LIVE LOAD AND TOTAL LOAD INDICATED ON PLAN IN CONJUNCTION W/ MECHANICAL ROOF TOP EQUIPMENT. COORDINATE FINAL UNIT LOCATION AND SIZE W/ MECHANICAL CONTRACTOR.
- SEE ARCHITECTURAL DRAWINGS FOR ROOF ELEVATIONS AND ROOF SLOPES.
- SEE SHEETS S0.1, S0.2 & S0.3 FOR GENERAL NOTES.
- SEE SHEET S4.0 FOR TYPICAL DETAILS.
- SEE SHEET S4.0 FOR TYPICAL WALL ELEVATION.
- C-X DENOTES COLUMN. SEE THIS SHEET FOR COLUMN SCHEDULE.
- WPX-X DENOTES WOOD POST. SEE THIS SHEET FOR WOOD POST SCHEDULE.
- BX-X DENOTES WOOD BEAM. SEE THIS SHEET FOR WOOD BEAM SCHEDULE. TOP OF BEAM IS AT TRUSS ROOF BEARING ELEVATION (UNO).
- HX-X DENOTES WOOD HEADER. TO BE LOCATED AT HEAD OF OPENING. SEE THIS SHEET FOR WOOD HEADER SCHEDULE.
- [SW-X] DENOTES SHEAR WALL (SW-X). SEE SHEET S5.0 FOR ELEVATIONS, SCHEDULES AND DETAILS.
- COORDINATE SIZE AND LOCATION OF ALL ROOF OPENINGS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
- EXACT ROOF TRUSS/JOIST LAYOUT AND DIMENSIONS ARE THE RESPONSIBILITY OF TRUSS FABRICATOR AND FRAMING SUBCONTRACTOR. TRUSS/JOIST LAYOUT SHALL BE COORDINATED WITH THE MECHANICAL, ELECTRICAL AND PLUMBING SUBCONTRACTORS PRIOR TO SUBMISSION OF TRUSS SHOP DRAWINGS. FABRICATION AND INSTALLATION TO ENSURE THE PROPOSED LAYOUT PROVIDES NECESSARY CLEARANCES FOR THE MECHANICAL, PLUMBING AND ELECTRICAL TRADE ELEMENTS, FIXTURES, DUCTING AND PIPING.
- CONTRACTOR TO COORDINATE ADDITIONAL LOADING FOR BUILDING EQUIPMENT SYSTEMS TO ROOF TRUSSES/JOISTS WITH ROOF TRUSS MANUFACTURER.
- EXACT FRAMING LAYOUT SHALL BE COORDINATED WITH ALL OTHER TRADE SUBCONTRACTORS PRIOR TO INSTALLATION FOR ITEMS INCLUDING BUT NOT LIMITED TO: ELECTRIC PANEL, ELECTRIC FIXTURES (INCLUDING CAN LIGHTS), FIRE EXTINGUISHER CABINETS, CONTROL JOINTS, DOOR FRAMING, KITCHEN HOODS, KITCHEN EXHAUST FANS, AND HVAC DUCTS/SOFFITS.
- IF THE LAYOUT IS CHANGED SUCH THAT THE LOADING ON HEADERS/BEAMS IS INCREASED, THE FRAMING SUBCONTRACTOR SHALL SUBMIT A REVISED SCHEDULE OF THOSE HEADERS/BEAMS STAMPED BY AN ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

DESIGN LOADS:			
SUPERIMPOSED DEAD LOAD	PSF	LIVE LOAD	PSF
TOP CHORD	10	TOP CHORD	SEE DESIGN LIVE LOADS IN GENERAL NOTES
BOTTOM CHORD	7	BOTTOM CHORD	
TOTAL SUPERIMPOSED DEAD LOAD	17		
TRUSS DEAD LOAD	**		

** TRUSS/JOIST DEAD LOAD TO BE DETERMINED BY TRUSS MANUFACTURER.

- TRUSSES/JOISTS SHALL BE DESIGNED FOR ALL APPLICABLE LOAD CASES DEFINED IN THE APPLICABLE BUILDING CODE INCLUDING BUT NOT LIMITED TO DEAD, LIVE, SNOW, WIND, SIESMIC, ETC. IN ADDITION, TRUSSES/JOISTS SHALL BE DESIGNED FOR ALL DEAD LOADS FOR EQUIPMENT AND CONDUIT INDICATED ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- IN ADDITION TO OTHER APPLICABLE LOAD CASES TRUSS SHALL BE DESIGNED FOR TOTAL DEAD LOAD IN CONJUNCTION WITH A 20 PSF LL ON THE BOTTOM CHORD ONLY (NO TOP CHORD LIVE LOAD).
- DEFLECTION CRITERIA:
  LIVE LOAD L/360
  TOTAL LOAD L/240

WOOD POST SCHEDULE	
MARK	STUD SIZE & QUANTITY
WP6-6	5 1/2"x 5 1/2" WOOD POST

NOTES:
- SEE GENERAL NOTES FOR DESIGN VALUES OF STUDS.

COLUMN SCHEDULE				
MARK	COLUMN SIZE	BASE PLATE	TYPE	ANCHOR RODS
C-1	HSS5x5x1/4	PL3/4" SEE TYPICAL DETAIL ON S3.0	I	(4) 3/4"Ø

WOOD BEAM SCHEDULE						
MARK	SIZE	MOMENT CAPACITY (FT.LBS)	SHEAR CAPACITY (LBS)	MOMENT OF INERTIA (in^4)	MINIMUM # OF JACK STUDS UNDER EACH END OF BEAM	# OF KING STUDS UNDER EACH END OF BEAM
BL3-24	(3) 1 3/4" x 24" LVL	110,800	23,940	6048	SEE PLAN	SEE PLAN

*NOTES
- SEE GENERAL NOTES FOR ALLOWABLE STRESS & SHEAR VALUES FOR LAMINATED VENEER LUMBER.
- # OF JACK STUDS UNDER EACH END OF BEAM IS TYPICAL U.N.O. ON PLAN.

WOOD HEADER SCHEDULE						
MARK	SIZE	MOMENT CAPACITY (FT.LBS)	SHEAR CAPACITY (LBS)	MOMENT OF INERTIA (in^4)	# OF JACK STUDS UNDER EACH END OF BEAM	# OF KING STUDS UNDER EACH END OF BEAM
H3-6	(3) 2x6	-	-	-	(1) 2x	(2) 2x
H3-8	(3) 2x8	-	-	-	(2) 2x	(2) 2x
HL3-11.8	(3) 1 3/4"x11 7/8" LVL	29,900	11,850	733	(1) 2x	(3) 2x

*NOTES
- SEE GENERAL NOTES FOR ALLOWABLE STRESS & SHEAR VALUES FOR STANDARD SAWN LUMBER.
- # OF JACK STUDS UNDER EACH END OF BEAM IS TYPICAL U.N.O. ON PLAN.

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IHOP

STATE OF KENTUCKY DONALD J. SCHENK 25520 LICENSED PROFESSIONAL ENGINEER

PROJECT NO.:	
DRAWN BY:	TBA
CHECKED BY:	TBA
ISSUED DATE:	05/02/19

ISSUED REVISIONS:

3070 Highland Pte. Dr.
Owensboro, KY 42303

IHOP
Rise and Shine Prototype

ROOF FRAMING PLAN

S2.0

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