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PERMIT/CONSTRUCTION SET  
DATE: MAY 4, 2018

CONTRACT DATE: XXX-XX-XX  
BUILDING TYPE: EXPLORER LITE 40  
PLAN VERSION: DECEMBER 2017  
SITE NUMBER: XXX-XXX  
STORE NUMBER: XXXXX

TACO BELL

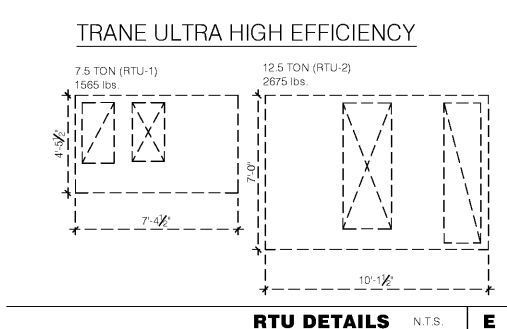
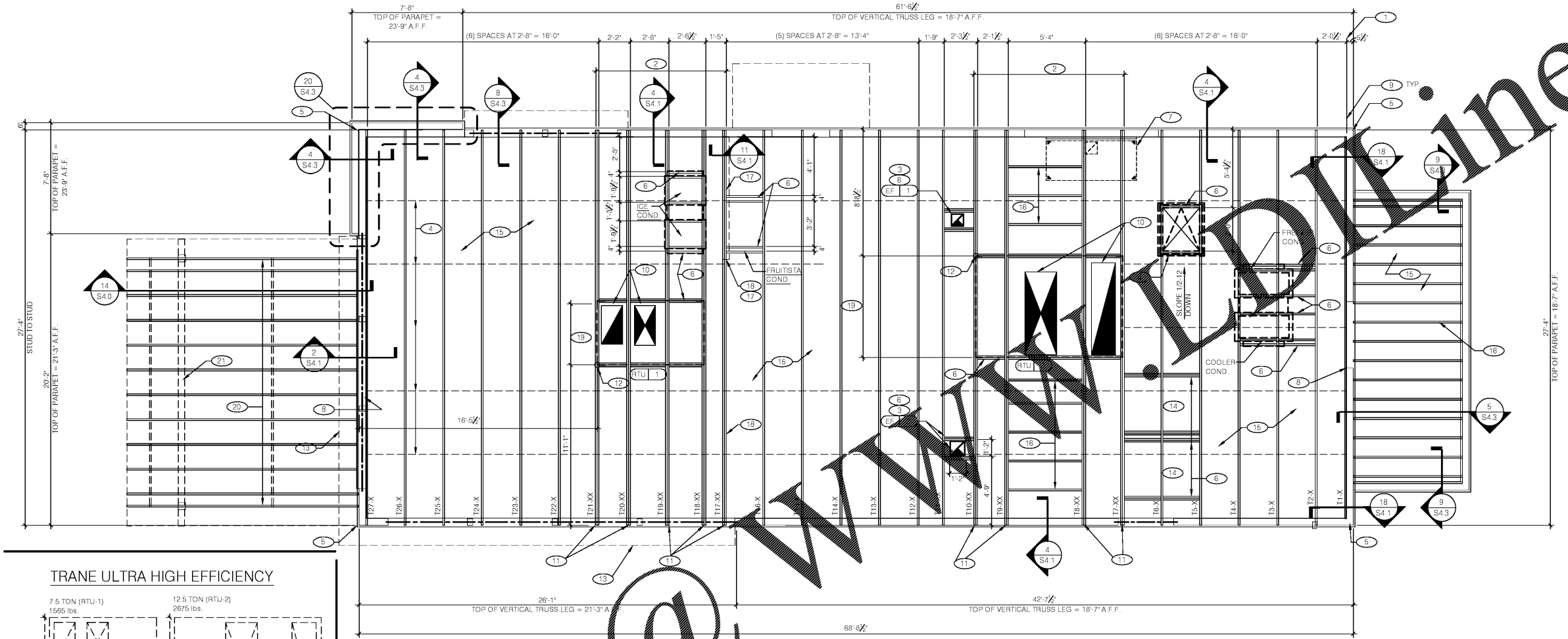
101 MONTGOMERY CROSSING  
BISCOE, NC 27209



ROOF FRAMING PLAN

**S3.0**

PLOT DATE:



**EXTREME CARE SHALL BE USED IN ERECTING ROOF TRUSSES - COMPLY WITH TPI BRACING REQUIREMENTS.**

**ROOF NOT DESIGNED FOR PONDING. SEE ARCHITECTURAL DRAWINGS FOR DRAIN REQUIREMENTS.**

TYPE	NAILING / SHEATHING	REMARKS
BN	10d @ 6" O.C.	-
EN	10d @ 6" O.C.	-
FN	10d @ 12" O.C.	-
ROOF SHEATHING	5/8" CDX PLYWOOD (40/20), PS1 RATING	-

**NAILING SCHEDULE - ROOF** **D**

**ROOF FRAMING NOTES** **C**

A. ALL SUPPORTING EDGES OF PLYWOOD SHEATHING SHALL BE SUPPORTED WITH SIMPSON PSC1 OR PSC2 PLIES. (2) CLIPS EQUALLY SPACED BETWEEN EACH TRUSS. REFER TO DETAIL 14/S4.2.

B. ALL MECHANICAL SUPPLY AND RETURN OPENINGS SHALL BE BETWEEN FRAMING U.N.O.

C. TRUSS DWGS ARE PROVIDED FOR CONCEPTUAL DESIGN ONLY. MFR SHALL SUBMIT SHOP DWGS AND CALCS, BOTH SIGNED BY A LICENSED STRUCTURAL ENGINEER (STATE OF PROJECT). SUBMIT SHOP DWGS AND CALCS TO THE ARCHITECT AND ENGINEER FOR REVIEW AND SUBMITTAL AND, IF REQUIRED, TO BLDG OFFICIAL FOR APPROVAL PRIOR TO FABRICATION. SHOP DWGS SHALL INCLUDE LAYOUT PLAN AND CONNECTORS. CALCS SHALL BE BASED ON THE SPECIFIED LOADING CONDITIONS SHOWN HEREIN. MFR SHALL PROVIDE HANGERS AND CONNECTIONS BETWEEN TRUSSES. REVIEW AND APPROVE DIMENSIONS, SHAPES AND DETAILS SHOWN ON SHOP DWGS PRIOR TO SUBMITTAL TO THE ARCHITECT / ENGINEER FOR REVIEW AND COMMENT.

D. TRUSS MFR SHALL PROVIDE HANGERS AND CONNECTORS ADEQUATE FOR LOADS. ROOF CONNECTORS ARE BASED UPON SIMPSON "STRONG TIE" OR APPROVED EQUAL.

E. TRUSS CHORDS AND PARAPET VERTICALS SHALL BE 2x6 MIN AND CONSISTENTLY SIZED THROUGHOUT PROJECT.

F. REFER TO TRUSS ELEVATIONS FOR SHAPE, OVERHANG, SLOPES, SPAN, ETC. LOCATION OF BEARING POINTS ARE AS INDICATED ON THE DRAWINGS. SEE 3/S4.2.

G. MFR'D ROOF TRUSS DESIGN LOADS: SEE TRUSS DESIGN CRITERIA 4/S4.2.

H. THE POSITIONS, WEIGHTS, AND METHODS OF ATTACHMENT OF ALL MECHANICAL UNITS, ELECT FIXTURES, PLUMBING, ETC. SHALL BE INCLUDED IN THE DESIGN OF THE TRUSSES BY THE TRUSS MFR.

I. DESIGN ROOF TRUSSES TO SUPPORT ALL IMPOSED LOADS, INCLUDING WIND & LATERAL LOADS. COORDINATE SIZE, LOCATION AND WEIGHT OF EQUIPMENT WITH MECHANICAL WORK. PROVIDE MULTIPLE TRUSSES WHERE ONE TRUSS CANNOT SUPPORT THE LOAD. PROVIDE BRIDGING BETWEEN TRUSSES AS SPECIFIED AS MINIMUM STANDARD.

J. INSTALLATION OF ALL TRUSSES SHALL BE DONE USING A SPREADER BAR WITH A THREE POINT VERTICAL PICK. CARE SHALL BE USED IN LIFTING TO PREVENT HORIZONTAL BENDING.

K. IMPROPER HANDLING OF THE TRUSSES AS NOTED ABOVE AND IN THE SPECS SHALL MEAN REMOVAL OF THE TRUSSES FROM THE JOBSITE AND REPLACEMENT AT CONTRACTORS EXPENSE.

L. SEE DIV. 6 OF THE SPECS FOR DETAILS ON TRUSS MANUFACTURING AND NAILING.

- KEY NOTES** **B**
- (1) STARTING POINT OF TRUSS LAYOUT - CENTERLINE OF TRUSS.
  - (2) VERIFY NECESSITY OF DOUBLE TRUSSES WITH TRUSS MFR. DUE TO POINT LOADING AND ADDITIONAL UNIFORM LOADING, TYPICAL.
  - (3) COORDINATE BLOCKING WITH EXHAUST AND SUPPLY DUCT.
  - (4) CONT 2x4 WD BRIDGING ON TOP OF BOTTOM CHORD. ADJUST AS REQUIRED FOR DUCT PLENUMS, MAX SPACING AT 5'-0" O.C. OR TIGHTER SPACING AS REQUIRED BY TRUSS DESIGN. SEE 16/S4.1 FOR BRIDGING LAP DETAIL.
  - (5) SIMPSON MSTA 24 AT CORNER DBL TOP PLATE. CENTER STRAP ON CORNER.
  - (6) (2) 2x6 BLOCKING W/ U26-2 HANGERS. TYP. EDGES OF ALL ROOF TOP EQUIPMENT AND ALL ROOF OPENINGS - SEE DET. 10 & 15/S4.2.
  - (7) LOC. OF HOOD. SEE HOOD DRAWINGS FOR HOOD ATTACHMENT DETAIL 9/S4.1.
  - (8) 2X6 LEDGER REF. 5/S4.1.
  - (9) DIMENSION IS FROM INSIDE FACE OF WALL FRAMING.
  - (10) HVAC ROOF OPENING FOR DUCT. VERIFY SIZE WITH HVAC MFR. & MECHANICAL DWGS.
  - (11) (3) 2x6 BUILT-UP COLUMN AT BOTH TRUSS BEARING ENDS, TYPICAL AT GIRDER TRUSS ONLY. REFERENCE DETAIL 19/S4.2. BUILT-UP COLUMN SHALL TERMINATE AT TOP OF HEADER ELEVATION WHERE HEADER OCCURS, AND SHALL TERMINATE AT BOTTOM PLATE ELEVATION WHERE NO HEADER OCCURS.
  - (12) RTU LOCATION POINT
  - (13) SLAT WALL SEE 2/S4.1
  - (14) PREFERRED LOCATION OF SATELLITE DISH SLED. SEE SCOPE OF WORK.
  - (15) 19/32" PLYWOOD ROOF DECK. SEE NAILING SCHEDULE, THIS SHEET.
  - (16) 2x6 @ 16" O.C. WITH SIMPSON LUS26 EA. END.
  - (17) INTERIOR SHEAR WALL BELOW. ALIGN DINING SIDE OF WALL WITH SIDE OF TRUSS. SEE DTL. 11/S4.1.
  - (18) DRAG TRUSS AT INTERIOR SHEAR WALL. PROVIDE DOUBLE TRUSS AS REQUIRED. DESIGN DRAG TRUSS FOR 400 PLF (ASD) ALONG TOP CHORD OF TRUSS (10,750 LBS TOTAL). ATTACH ROOF SHEATHING TO DRAG TRUSS WITH 10d NAILS @ 4" O.C. ALONG ENTIRE LENGTH OF TRUSS.
  - (19) SEE E/S3.0 FOR SIZE OF SELECTED RTU OPTION.
  - (20) ALL PATIO RAFTERS SHALL BE 2x10 NO. 2 SPRUCE-PINE-FIR @ 1'-6" O.C. MAX.
  - (21) PATIO BEAM SHALL BE 6x10 NO. 1 SOUTHERN PINE.

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