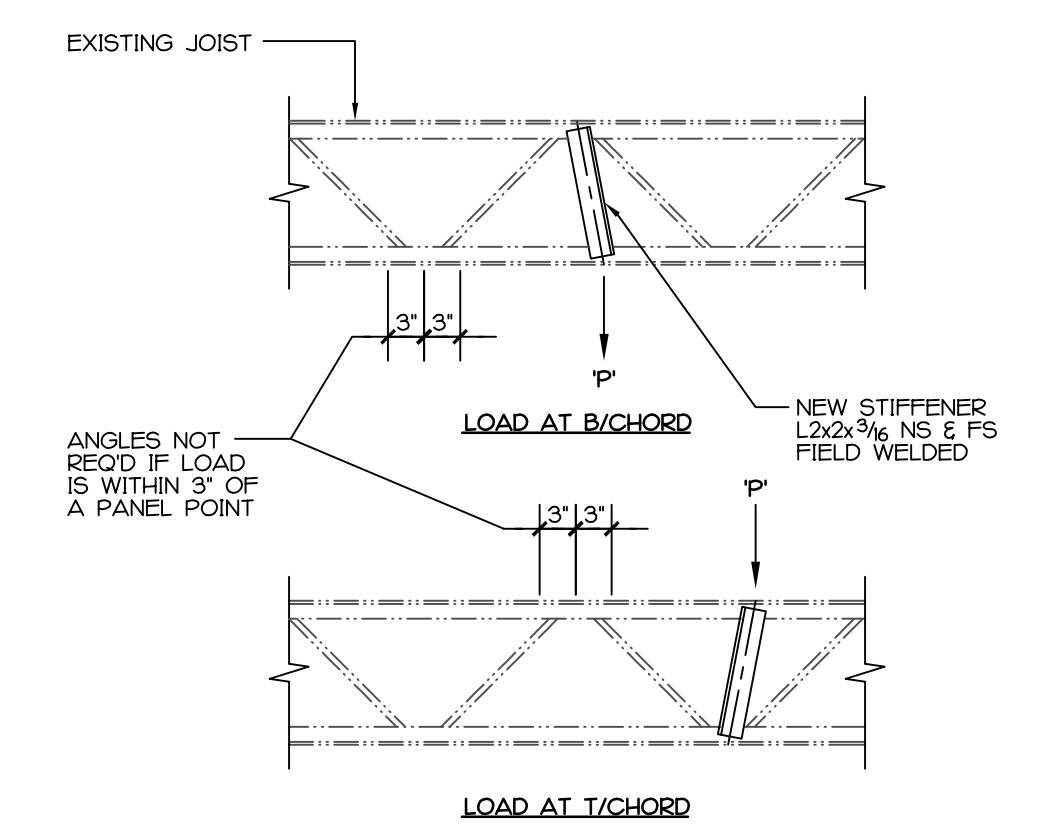
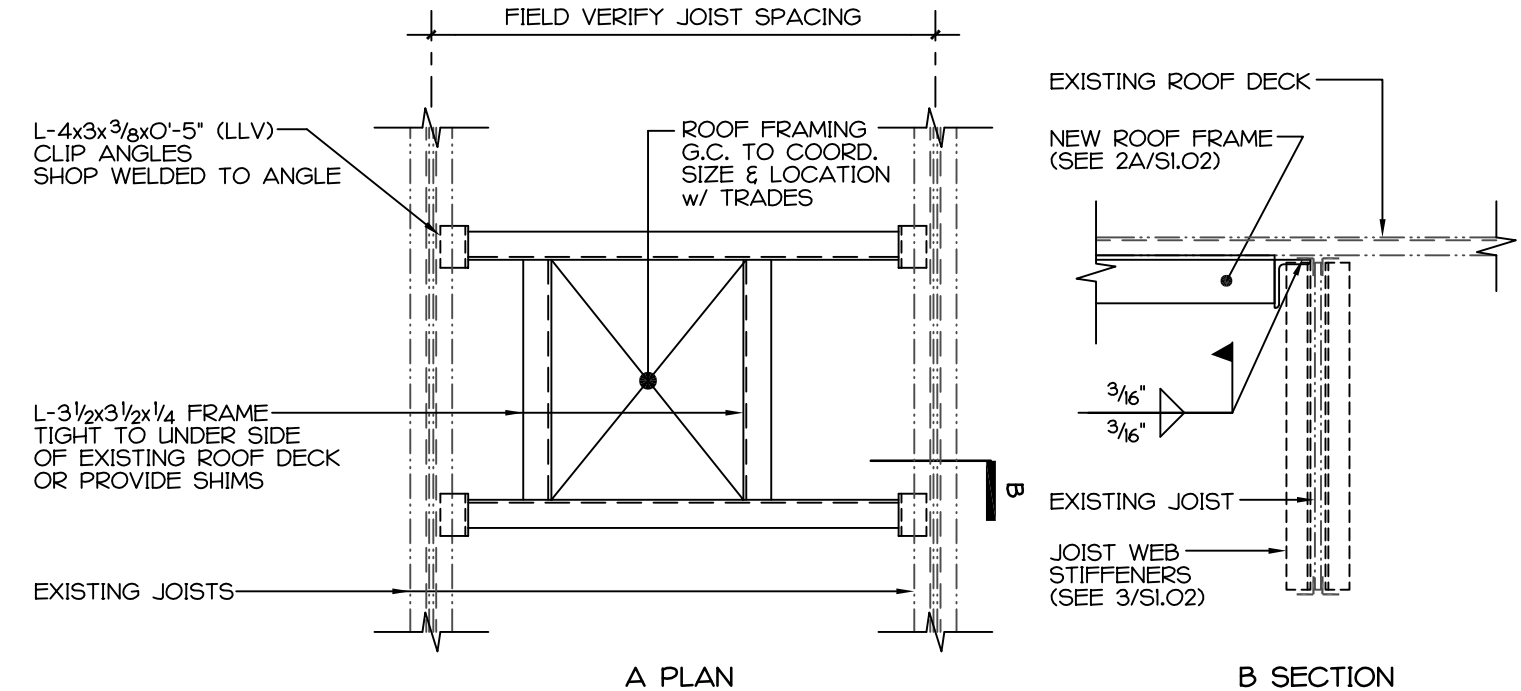


NOTES:

- PROVIDE A ROOF FRAME BENEATH THE CURBS OF NEW MECHANICAL UNITS AND AROUND NEW ROOF OPENINGS.
- PROVIDE BLOCKING BETWEEN THE MECHANICAL CURB AND THE NEW ROOF FRAME OR EXISTING JOIST IN THE ROOF DECK FLUTES.



DESIGN CRITERIA:

SNOW (NBSBC 2018 (IBC 2015) Section 1608 - ASCE 7-10)	1.0
SNOW EXPOSURE FACTOR, C_e	1.0
THERMAL FACTOR, C_t	1.0
IMPORTANCE FACTOR, I_s (SNOW LOADS)	1.0
50-YEAR RECURRENCE GROUND SNOW LOAD, P_g	10 PSF
WIND LOADS: (2018 NCSBC (IBC 2015) Section 1609 - ASCE 7-10)	
ULTIMATE DESIGN WIND SPEED, V_{ult}	122 MPH
OCCUPANCY CATEGORY	C
EXPOSURE CATEGORY	C
IMPORTANCE FACTOR, I_w (WIND LOADS)	1.0
INTERNAL PRESSURE COEFFICIENTS	± 0.18
SEISMIC DESIGN: (2018 NCSBC (IBC 2015) SECTION 1613 - ASCE 7-10)	
RISK CATEGORY	II
SITE CLASS (ASSUMED)	D
MAPPED SPECTRAL ACCELERATION AT 0.2 sec, S_s	0.122 g
MAPPED SPECTRAL ACCELERATION AT 1.0 sec, S_1	0.062 g
COEFFICIENT, F_a	2.5
SITE COEFFICIENT, F_w	2.5
MODIFIED SHORT PERIOD SPECTRAL RESPONSE ACCELERATION, S_{MS}	0.196 g
SOIL MODIFIED LONG PERIOD SPECTRAL RESPONSE ACCELERATION, S_{M1}	0.148 g
PERIOD SPECTRAL RESPONSE ACCELERATION, S_{D5}	0.131 g
LONG PERIOD SPECTRAL RESPONSE ACCELERATION, S_{D1}	0.099 g
SEISMIC DESIGN CATEGORY	B
IMPORTANCE FACTOR, I	1.0

- GENERAL NOTES:**
- THESE DRAWINGS SHALL BE USED WITH ARCHITECTURAL AND OTHER CONTRACT DOCUMENTS. DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2018 NCSBC (2015 IBC).
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND SHORING OF THE STRUCTURE AND COMPONENTS UNTIL ALL COMPONENTS ARE ERECTED AND ALL CONNECTIONS ARE FULLY MADE. TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL ALL FRAMING IS COMPLETED AND ALL MASONRY CONSTRUCTION AT PERIMETER IS COMPLETED AND THE ROOF DECK CONSTRUCTION IS COMPLETED. CONTRACTOR SHALL BRACE ALL WALLS DURING CONSTRUCTION AGAINST WIND OR CONSTRUCTION LOADS.
 - THE GENERAL CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL OPENINGS THROUGH ROOFS, FLOORS AND WALLS. VERIFY WITH THE TENANT, ARCHITECT AND VARIOUS TRADES AS REQUIRED. OPENINGS NOT SO VERIFIED SHALL BE MODIFIED, IF REQUIRED, AT NO ADDITIONAL COST.
 - EQUIPMENT PADS SHALL BE PROVIDED BY THE MECHANICAL, ELECTRICAL, OR PLUMBING CONTRACTORS REQUIRING THE PAD.
 - CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, PROCEDURES AND SAFETY ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - THE GENERAL CONTRACTOR SHALL VERIFY ALL NEW AND EXISTING DIMENSIONS PRIOR TO FABRICATION OF ANY STRUCTURAL COMPONENTS. NOTIFY ARCHITECT IMMEDIATELY IF DIMENSIONAL CONFLICTS EXIST.

- SHOP DRAWINGS:**
- SUBMIT SHOP DRAWINGS ON ALL MATERIALS FOR REVIEW BEFORE FABRICATION. THE CONTRACT DRAWINGS SHALL NOT BE USED AS BASE DRAWINGS FOR SHOP DRAWINGS. SHOP DRAWINGS SUBMITTED FOR REVIEW WHICH WERE PREPARED WITH CONTRACT DRAWINGS USED AS BASE DRAWINGS WILL BE REJECTED.
 - ALL SUBMITTALS TO ENGINEER FOR REVIEW SHALL BE PREVIOUSLY REVIEWED BY THE CONTRACTOR, WITH HIS APPROVAL STAMPED ON THE DRAWINGS, DATED AND SIGNED. SUBMITTALS NOT CONFORMING SHALL BE SUFFICIENT REASON FOR REJECTION BY THE ENGINEER.

- STEEL:**
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 FOR ALL W SHAPES AND ASTM A36 FOR ALL OTHER SHAPES. RECTANGULAR HOLLOW STRUCTURAL STEEL (TUBE) SHALL CONFORM TO ASTM A500, GRADE B (F_y=48 ksi). ROUND HOLLOW STRUCTURAL STEEL (PIPE) SHALL CONFORM TO ASTM A53, TYPE E OR S, GRADE B. ANCHOR BOLTS SHALL BE WELDABLE AND SHALL CONFORM TO ASTM F1554 GRADE 36 OR 55 WITH WELDABILITY SUPPLEMENT S1.
 - THE STRUCTURAL STEEL SHALL BE FABRICATED BY A QUALIFIED FABRICATOR WHO PARTICIPATES IN THE AISC CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC CERTIFIED PLANT, CATEGORY STD AT TIME OF BID, OR THE STRUCTURAL STEEL FABRICATOR MUST DEMONSTRATE A CONSISTENT RECORD OF AT LEAST 10 (TEN) SUCCESSFUL PROJECTS OF EQUAL OR GREATER MAGNITUDE OVER THE PRECEDING 2 YEARS. THE CONTRACTOR SHALL SUBMIT EVIDENCE IN WRITING VERIFYING ONE OF THE ABOVE REQUIRED QUALIFICATIONS.
 - THE STRUCTURAL STEEL SHALL BE ERECTED BY A QUALIFIED INSTALLER WHO PARTICIPATES IN THE AISC CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC CERTIFIED ERECTOR, CATEGORY CSE [ACSE] AT TIME OF BID.
 - BOLTED CONNECTIONS - 3/4 INCH DIAMETER A325-X, TYPE 1 BOLTS UNLESS NOTED OTHERWISE. USE 3/4 INCH DIAMETER A325-X, TYPE 3 BOLTS FOR EXPOSED EXTERIOR CONDITIONS.
 - NON-FRAME BEAM CONNECTIONS MAY BE DESIGNED FOR THE REACTIONS SHOWN ON THE PLANS. IF NO REACTION IS SHOWN, THE CONNECTION SHALL BE DESIGNED ACCORDING TO 60% OF THE MAXIMUM TOTAL FACTORED UNIFORM LOAD FOR THE APPROPRIATE BEAM SECTION AND SPAN AS DETERMINED FROM THE STEEL BEAM SELECTION TABLES IN THE AISC MANUAL, THIRTEENTH EDITION. FRAME MEMBERS SHALL BE DESIGNED ACCORDING TO THE NOTES AND LOADS INDICATED IN THE PLANS AND ELEVATIONS.
 - ALL SHOP AND FIELD WELDING SHALL BE BY CERTIFIED WELDERS AND SHALL CONFORM TO AWS STANDARDS. USE E70XX ELECTRODES UNLESS NOTED OTHERWISE. CURRENT AWS CERTIFICATIONS SHALL BE AVAILABLE AT THE JOB SITE FOR REVIEW BY THE ARCHITECT OR ENGINEER. NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS BY ANY TRADE WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
 - ALL BEAMS AND PRIMARY BRACING MEMBERS SHALL BE SECURED WITH AT LEAST 2 BOLTS PRIOR TO REMOVAL OF HOISTING CABLES.
 - IN CONDITIONS WHERE BEAMS FRAME WITH DOUBLE ANGLE FRAMING CONNECTIONS FROM BOTH SIDES OF A COLUMN WEB, OR BEAM WEB OVER A COLUMN, THE FABRICATOR SHALL FABRICATE THE CONNECTION SO THAT THE FIRST BEAM ERECTED TO THE CONNECTION SHALL HAVE AT LEAST ONE BOLT AND WRENCH-TIGHTENED NOT SECURING THE FIRST BEAM AT ALL TIMES. THE CONNECTION SHALL BE DETAILED SO THAT EITHER BEAM MAY BE CONSIDERED THE FIRST BEAM ERECTED. ALTERNATIVELY, A SEAT ANGLE AT THE FACE OF THE COLUMN FOR ERECTION, OR OTHER METHOD SATISFYING OSHA REQUIREMENTS, MAY BE USED IF CONDITIONS PERMIT.
 - ALL EXPOSED STRUCTURAL STEEL SHALL BE GALVANIZED. SUBMIT WITH SHOP DRAWINGS FOR REVIEW.
 - ALL STRUCTURAL STEEL SHALL RECEIVE A STANDARD SHOP PRIMER PAINT, EXCEPT AT WELDING LOCATIONS. SUBMIT WITH SHOP DRAWINGS FOR REVIEW.

1 EXISTING ROOF FRAMING PLAN
S1.02 3/32" = 1'-0"

- SHEET NOTES:**
- COORDINATE ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS.
 - G.C. VERIFY THE LOCATION AND WEIGHT OF ALL NEW MECHANICAL UNITS TO BE SUPPORTED FROM THE EXISTING ROOF STRUCTURE. NOTIFY ARCHITECT/ENGINEER PRIOR TO FABRICATION AND INSTALLATION IF LOCATIONS AND WEIGHTS VARY FROM THOSE SHOWN.
 - THE G.C. IN COORDINATION WITH THE ENGINEER SHALL FIELD VERIFY EXISTING SUPPORTING MEMBER SIZES AND DIMENSIONS AS REQUIRED. SUBMIT TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION AND INSTALLATION.
 - PROVIDE NEW JOIST WEB STIFFENERS AT NEW CONCENTRATED LOADS ON EXISTING JOISTS - SEE DETAIL 3/S1.02
 - PROVIDE A NEW ANGLE FRAME AT NEW ROOF OPENINGS AND AT NEW MECHANICAL UNITS SUPPORTED ON THE EXISTING ROOF - SEE DETAIL 2/S1.02
 - ROUTE NEW DUCT WORK & PLUMBING SO THE EXISTING ROOF FRAMING IS NOT AFFECTED.



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REVISIONS
NO DATE REMARKS

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Food Lion is an ANHEID-BRÜHN company.

FOOD LION REMODEL STORE #1657
4330 E TENTH ST.
GREENVILLE, NC

PROJECT NO: 1657FLMHP22
DATE: 8/29/22

19 OF 40

S1.02

STRUCTURAL ROOF FRAMING PLAN

CHECKED: LDADRAWN: DMK