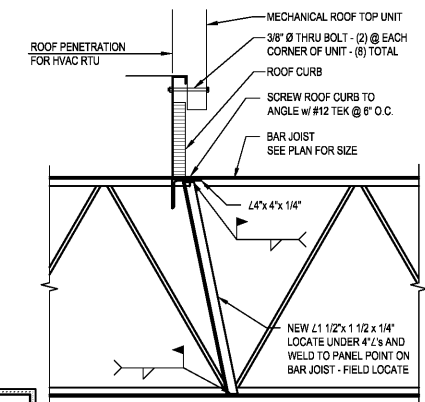
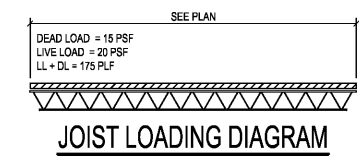


Order Plans @ WWW.EDILine

ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

- NOTE:
- VERIFY ALL DIMENSIONS AND LOCATIONS OF COLUMNS WITH ARCHITECTURAL DRAWINGS.
 - COORDINATE ENLARGED PLAN DETAILS AND ARCHITECTURAL FOR ALL SLAB EDGE DIMENSIONS.
 - RTU AND ROOF HATCH DIMENSIONS SHOWN AS "0'-0" ARE FOR JOIST MANUFACTURER ONLY. EXACT LOCATIONS OF RTUs TO BE COORDINATED WITH MECHANICAL. EXACT LOCATION OF ROOF HATCH TO BE COORDINATED WITH ARCHITECTURAL.
 - RTUs SHALL BE SUPPORTED ON ALL FOUR SIDES BY L4x4x1/4" OR JOIST TOP CHORD.



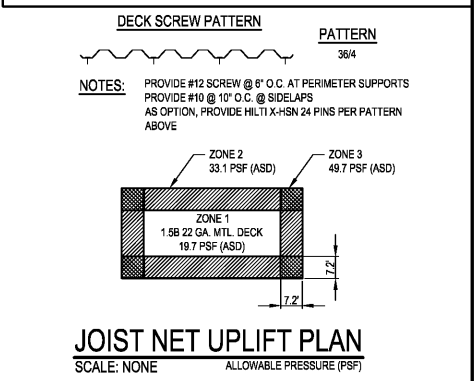
BAR JOIST REINFORCEMENT AND HVAC SUPPORT (TYP.)
SCALE: 1"=1'-0"

- GENERAL NOTES:**
- STRUCTURAL STEEL SHALL BE IN ACCORDANCE w/ASTM A36, WITH 36 KSI YIELD STRENGTH, AISC STANDARD CODE LATEST EDITION. U.N.O. STEEL WF SHAPES SHALL BE A992, GRADE 50.
 - STRUCTURAL STEEL BOLTS SHALL BE IN ACCORDANCE w/ASTM A325, HIGH STRENGTH BOLTS.
 - OPEN WEB ROOF JOIST SHALL BE DESIGNED IN ACCORDANCE w/ THE "JOIST NET UPLIFT PLAN" AND SHALL BE DESIGNED TO HANDLE AN ADDITIONAL 1500 LB. AXIAL TENSION AND COMPRESSIVE LOAD ON THE TOP CHORD DUE TO WIND AND SEISMIC. ADDITIONALLY, THE JOIST SEAT SHALL BE DESIGNED FOR A 600 LB. FORCE ACTING PARALLEL AND FOR A 1500 LB. FORCE ACTING TRANSVERSE TO THE JOIST SEAT DUE TO WIND AND SEISMIC. OPEN WEB JOIST SHALL BE BY VULCRAFT OR AN APPROVED EQUAL. ADJUST ANY JOIST BRIDGING AS REQUIRED TO MISS MECH./ROOF OPENINGS.
 - STRUCTURAL WELDS FOR STEEL MEMBERS AND ROOF JOIST SHALL BE IN ACCORDANCE w/AWS STANDARD CODE, LATEST EDITION, 70 KSI ELECTRODES.
 - STRUCTURAL STEEL SHALL HAVE ONE SHOP COAT OF PRIMER, MINIMUM 2 MILS (DFT).
 - ROOF DECK SHALL BE TYPE 1.5B 22 GA. (AS SHOWN ABOVE) BY VULCRAFT, OR APPROVED EQUAL.
 - EXTERIOR METAL STUD BRACING SHALL BE MINIMUM 1/8" GA. CSI METAL STUDS w/ 16 GA. TRACK AT TOP AND 30" MIN. 1/4" GA. CSI STUDS. MINIMUM YIELD STRENGTH FOR ALL EXTERIOR METAL FRAMING TO BE 50 KSI. ALL STUDS, TRACKS, BRIDGERS AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A 600 GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A252. ALL STUDS SHALL BE BRIDGED AT MID SPAN. BOTH STUD FLANGES MUST BE ATTACHED TO TRACKS w/ 1/2" TEK SCREW. ALL TRACKS MUST BE FASTENED TO STEEL WITH (2) #12 ANCHORS @ 24" ON CENTER OR EQUAL. HILTI PINS ALL TRACKS TO BE FASTENED TO MASONRY / CONCRETE WITH (2) 1/4" TAPCONS OR 1/2" EXPANSION ANCHORS @ 24" O.C.
 - CONTRACTOR SHALL PROVIDE TEMP. WALL BRACING AS REQ'D UNTIL STRUCTURAL STEEL FRAMING IS SECURELY INSTALLED.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE FOLLOWING:
STRUCTURAL STEEL FABRICATION
BAR JOIST
METAL DECK
REINFORCING STEEL

DESIGN CRITERIA:

1. BUILDING CODE:	2017 FLORIDA BUILDING CODE
2. GRAVITY LOADS:	
ROOF DEAD LOAD	15 PSF
ROOF LIVE LOAD	20 PSF
3. WIND LOADS:	
WIND SPEED	V = 135 MPH (ASCE 7-10)
RISK CATEGORY	II
EXPOSURE CATEGORY	B
4. SNOW LOADS:	
GROUND SNOW LOAD	0 PSF
ROOF SNOW LOAD	0 PSF
DRIFT LOAD	N/A
5. SEISMIC LOADS:	
RISK CATEGORY	II
SPECTRAL RESPONSE ACCELERATIONS:	
S _v	0.078
S _s	0.038
SITE CLASS	D
SPECTRAL RESPONSE COEFFICIENTS:	
C _s	0.083
C _{pi}	0.061
SEISMIC DESIGN CATEGORY	A
SEISMIC FORCE-RESISTING SYSTEM	STEEL ORDINARY CONC. BRACED FRAME
RESPONSE MODIFICATION COEFF. (R)	3.25
DESIGN BASE SHEAR	8.121 KIPS
SEISMIC RESPONSE COEFFICIENT	C _s = 0.0255
ANALYSIS PROCEDURE	EQUALVENT LATERAL FORCE

- QUALITY CONTROL / INSPECTION NOTES:**
- REFERENCE SPECIFICATIONS - SECTION 01450 - "CONSTRUCTION QUALITY CONTROL"
- THIS SECTION APPLIES TO THE STRUCTURAL PORTIONS OF THE PROJECT REQUIRING INSPECTION. THE REQUIRED QUALITY CONTROL TEST AND INSPECTIONS ARE AS DESCRIBED IN SECTION 01450 OF THE PROJECT SPECIFICATIONS.
 - DUTIES AND RESPONSIBILITIES OF THE TESTING AGENT:
 - THE TESTING AGENT SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE ENGINEER OR RECORD FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATIONS REQUIRING INSPECTIONS.
 - THE AGENT SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
 - COPIES OF TEST REPORTS AND FINAL REPORTS SHALL BE FURNISHED TO THE ENGINEER OF RECORD IN ADDITION TO OTHER NORMAL DISTRIBUTIONS WITHIN ONE WEEK OF THE TEST OR INSPECTION.
 - ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. DISCREPANCIES THAT ARE NOT CORRECTED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD AND THE BUILDING OFFICIAL.
 - THE TESTING AGENT SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING INSPECTION WAS TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE APPLICABLE BUILDING CODE.
 - ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY THE INDEPENDENT TESTING AND INSPECTION AGENCY EMPLOYED BY THE OWNER OR ARCHITECT AND NOT THE CONTRACTOR.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE TEST AND INSPECTION FIRM WITH A SCHEDULE TO FACILITATE THE PROPER COORDINATION OF WORK.
 - TESTS AND INSPECTIONS SHALL BE PAID FOR BY THE OWNER.
 - WHEN SPECIAL INSPECTIONS ARE NOT REQUIRED THE QUALITY CONTROL MEASURES OF SECTION 01450 OF THE PROJECT SPECIFICATIONS ARE STILL REQUIRED.



CLARK | GER | LATHAM
AND ASSOCIATES, INC.
3501 SPRING HILL AVENUE | MOBILE, AL 36608 | 251.344.7073

DOLLAR TREE
OCOCHEE, FLORIDA

REV.	DATE	BY	DESCRIPTION

PROJECT NUMBER: 1805-48
DRAWN BY: KKT
CHECKED BY: TEL
ISSUE DATE: 6-8-19

DESCRIPTION

ROOF FRAMING PLAN

SHEET NUMBER: S-2.0