

GENERAL NOTES:

BUILDING CRITERIA - 2012 INTERNATIONAL BUILDING CODE WITH GEORGIA AMENDMENTS.

DESIGN LOADS

Table with 2 columns: Design Load Name and Value. Includes Roof Dead Load (17 PSF), Roof Live Load (20 PSF), Ground Snow Load (5 PSF), etc.

WIND LOADS

Table with 2 columns: Wind Load Name and Value. Includes Ultimate Design Wind Speed (115 MPH), Nominal Design Wind Speed (89.1 MPH), etc.

WALL COMPONENTS & CLADDING PRESSURE: (ULTIMATE) SEE DIAGRAM

Design Wind Pressure (psf) and Parapet Design Pressure (psf) tables showing values for different wind directions and areas.

a = 6.1 FT.

SEISMIC LOADS

Table with 2 columns: Seismic Load Name and Value. Includes Modified Spectral Response Accelerations, Design Spectral Response Coefficients, etc.

STRUCTURE WITH PROPOSED MODIFICATIONS HAS BEEN ANALYZED FOR GRAVITY AND LATERAL LOADS AND FOUND TO BE IN COMPLIANCE WITH IBC SECTION 3403 FOR ADDITIONS TO AN EXISTING STRUCTURE.

GENERAL:

- 1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, SHOP DRAWINGS AND SPECIFICATIONS.
2. GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS.
3. FABRICATOR SHALL HIGHLIGHT CHANGES MADE IN SHOP DRAWINGS WHICH DO NOT COMPLY WITH THE DESIGN DRAWINGS.

FOUNDATIONS/ SOILS:

- 1. ALL SITE WORK SHALL BE UNDER THE DIRECTION OF A QUALIFIED GEOTECHNICAL ENGINEER OR SOILS TECHNICIAN.
2. SELECT FILL MATERIALS SHALL BE PLACED IN LIFTS AND BE COMPACTED TO AT LEAST 95 PERCENT STANDARD PROCTOR METHOD.
3. ALL FOOTINGS AND FOUNDATIONS THEREON BELOW GRADE MAY BE EARTH FORMED BY NEAT EXCAVATIONS IF SOIL CONDITIONS ALLOW.

CONCRETE WORK:

- 1. CONCRETE SHALL HAVE THE MINIMUM STRENGTH AND MEET THE PROPERTIES AS DESCRIBED BELOW FOR THE VARIOUS CLASSES OF CONCRETE.

Table with 6 columns: Mix Type, Air Content, Slump, W/C Ratio, Comment, Location. Lists concrete classes like 3000 PSI and 4000 PSI.

- 2. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE CURRENT 'ACI MANUAL OF CONCRETE PLACEMENT'.
3. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
4. ALL AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C33.
5. ALL REINFORCING SHALL MEET ASTM A615, GRADE 60.

Table with 4 columns: Location, Reinforcing Size, Min Cover. Lists requirements for cast against and exposed to earth.

STEEL:

- 1. STRUCTURAL STEEL SHALL MEET THE LATEST AISC 'SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS'.
2. ALL WIDE FLANGE SHAPES SHALL MEET ASTM A992, Fy = 50 KSI.
3. ALL PLATES, CHANNELS, AND ANGLES SHALL MEET ASTM A36, Fy = 36 KSI.

JOISTS:

- 1. STEEL JOISTS AS SHOWN ON THE PLAN ARE TO BE FABRICATED AND ERECTED PER S.J.I. RECOMMENDATIONS.
2. JOISTS AT OR NEAREST TO CENTERLINES OF COLUMNS SHALL BE BOLTED CONNECTIONS.
3. SUSPENSION OF ANY MISCELLANEOUS ITEMS FROM JOISTS SHALL BE ONLY AT PANEL POINTS.

ROOF DECKING:

- 1. ALL STEEL ROOF DECK TO BE 1 1/2" THICK #18 PAINTED 22 GAUGE DECK. ERECT PER MANUFACTURER'S SPECIFICATIONS, UNO.
2. STEEL DECK SHALL BE ATTACHED TO ALL MEMBERS ON WHICH IT BEARS IN ACCORDANCE WITH 'TYPICAL ROOF DECK FASTENING SYSTEM'.
3. HANGOFF ROOF DECK TO BE PLYWOOD / CDX 5/8" MIN. THICKNESS AND DENSEGLASS (REF. ARCH. DWGS.) W/ #10 SCREWS @ 6" O.C. EDGES AND 6" O.C. FIELD TYP.

COLD-FORMED METAL FRAMING:

- 1. PROVIDE STEEL WALL COMPONENTS IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) 'SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS' AND THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) PRODUCT TECHNICAL INFORMATION.
2. COLD-FORMED MEMBERS OF 18 GAUGE AND LIGHTER SHALL HAVE A MINIMUM YIELD POINT OF 33 KSI. A653-S5 GRADE 50, CLASS 1 OR 3. ALL 16 GAUGE AND THICKER MEMBERS SHALL HAVE A MINIMUM YIELD OF 50 KSI.

MASONRY:

- 1. HOLLOW CONCRETE BLOCK (MASONRY) UNITS SHALL CONFORM TO ASTM C90, NORMALWEIGHT, TYPE N-1 WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI ON THE NET AREA (Fm = 1300 PSI).
2. ALL MORTAR FOR USE IN MASONRY SHALL CONFORM TO ASTM C270, TYPE S. ALL GROUT FOR USE IN MASONRY SHALL CONFORM TO ASTM C476, MIN. 2000 PSI AND NOT LESS THAN A 6-1/2 SACK MIX.
3. REINFORCING BARS SHALL MEET ASTM A615, GRADE 60.

SPECIAL INSPECTIONS:

INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT AGENCY, PAID FOR BY THE OWNER. THE FOLLOWING FIELD INSPECTIONS ARE REQUIRED:

- 1. VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION PER AISC 360-10 CHAPTER N.
2. VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION PER BUILDING CODE TABLE 1705.3.
3. SPECIAL INSPECTION OF MASONRY CONSTRUCTION PER TMS 402-11 TABLE 1.19.2. EXCEPTION: MASONRY VENEER ONLY REQUIRES VERIFICATION OF COMPLIANCE WITH THE APPROVED SUBMITTALS PER TABLE 1.19.1.

DEMOLITION:

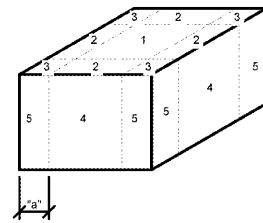
- 1. REMOVE STRUCTURE FROM TOP DOWN. DO NOT ALLOW DEBRIS TO PILE UP OR FALL ON SLABS WHICH ARE TO REMAIN IN PLACE.
2. THESE DRAWINGS ARE INTENDED TO DEFINE LIMITS OF REMOVAL OF STRUCTURAL ELEMENTS AND PRECAUTIONS TO BE TAKEN TO PREVENT DAMAGE TO STRUCTURE WHICH WILL REMAIN.
3. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND SUBMIT A WRITTEN REPORT TO THE ENGINEER FOR REVIEW AND/OR INSTRUCTIONS ON SPECIAL FIELD CONDITIONS, WHICH MAY VARY FROM INFORMATION INDICATED ON DRAWINGS.

REINFORCING BAR LAP LENGTH SCHEDULE (CLASS B)

Table showing Reinforcing Bar Lap Length Schedule for Grade 60 Steel and Normal Weight Concrete Strength (3000 PSI to 7000 PSI).

LAP SCHEDULE NOTES:

- 1. LENGTH SHOWN CONFORM TO NON-SEISMIC PROVISIONS OF ACI 318 FOR UNCOATED BARS ENCLOSED BY PROPERLY SPACED TIES OR STIRRUPS.
2. LENGTH IN TABLE SHALL BE FACTORED FOR THE FOLLOWING CONDITIONS:
- HORIZONTAL BARS MORE THAN 12" ABOVE BOTTOM OF CAST MEMBER: 1.3xTABLE LENGTH.



COMPONENTS & CLADDING WIND PRESSURES PER ASCE 7-10



310 MILLS AVE. GREENVILLE, SC 29605 864.242.9881 plans@narramore.net

2018 NARRAMORE ASSOCIATES, INC. COPYRIGHT PROTECTED BY FEDERAL LAW

SEAL



1597 DRY POND RD. JEFFERSON, GA 30549 706.387.7722 FAX: 706.387.7701

ALDI FOOD STORE # 61

2589 Spring Road Smyrna, GA 30080

REVISIONS

PROJECT DATA V1.07 100x155 LW Expansion PROJECT NUMBER 18412 ISSUE DATE 10-25-18

BRITT PETERS AND ASSOCIATES INC. consulting engineers 101 Falls Park Drive Suite 601 Greenville, SC 29601 (864) 271-8869 (864) 233-5140 Fax www.brittpeters.com BPA Job No. 181163

ALDI FOOD STORE #61 Smyrna, GA

S-001

Structural Notes