

2018 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

Name of Project: ALDI Inc.
Address: 2526 Freedom Dr., Charlotte, NC
Owner/Authorized Agent: Todd Bennett
City: Charlotte
County: Mecklenburg

Contact information table with columns: PROFESSION, FIRM, NAME, LICENSE #, TELEPHONE #, E-MAIL. Lists contact details for various trades like Architectural, Civil, Electrical, etc.

2018 NC BUILDING CODE: [] New Building [] Shell Core [] 1st Time Interior Completions
[] Addition [] Phased Construction - Shell Core

2018 NC Existing Building Code: [] Prescriptive [] Alteration Level I [] Historical Property
[] Regain [] Alteration Level II [] Change of Use

CONSTRUCTED: (date) 1999 CURRENT OCCUPANCY(S) (Ch. 3): Mercantile
RENOVATED: (date) 2006 PROPOSED OCCUPANCY(S) (Ch. 3): Mercantile

OCCUPANCY CATEGORY (Table 1064.5): Current: Mercantile Proposed: Mercantile
BASIC BUILDING DATA: Construction Type: [] I-A [] II-A [] III-A [] IV [] V-A [] V-B [] V-C

Gross Building Area Table with columns: FLOOR, EXISTING (SQ FT), NEW (SQ FT), SUB-TOTAL. Totals show 17,621 sq ft.

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ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly Business [] Educational [] Factory [] Hazardous [] Institutional [] Mercantile [] Residential [] Storage [] Utility and Miscellaneous []

Accessory Occupancy Classification(s): N/A
Incidental Uses (Table 509): N/A
Special Uses (Chapter 4 - List Code Section): N/A

Table with 5 columns: STORY NO., PERMITTED AREA (SQ FT), AREA PER STORY (SQ FT), TOTAL ALLOWABLE AREA PER STORY (SQ FT), TOTAL ALLOWABLE AREA (SQ FT). Row 1 shows 17,621 total area.

1. Frontage area increases from Section 506.2 into computed frontage.
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 369'-0" (F)
b. Total Building Perimeter = 586'-0" (F)
c. Ratio (F/P) = 369'-0"/586'-0" (F/P)

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Climate Zone: [] 3 [] 4 [] 5

Method of Compliance: Select one:
(If "Other" specify source here.) Performance (2015 IECC - Refer to ComCheck - Sheet G-003)

THERMAL ENVELOPE (Prescriptive method only)

Roofing/Assembly (each assembly) - EXISTING
Description of assembly:
U-Value of total assembly:

Exterior Walls (each assembly) - EXISTING
Description of assembly:
U-Value of total assembly:

PLUMBING FIXTURE REQUIREMENTS

Table with columns: FLOOR, NUMBER OF FIXTURES, TYPE, NUMBER OF FIXTURES, TYPE, NUMBER OF FIXTURES. Lists fixture counts for various spaces.

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., designations)
Special approval: _____

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute requirements to meet the energy code shall also be provided. Each Designer shall furnish the required portions of project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: 2018 North Carolina Energy Conservation Code

Exempt Building: Select One: Provide code or statutory reference: _____

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ALLOWABLE HEIGHT

Table with 2 columns: OCCUPANCY TYPE, ALLOWABLE HEIGHT (Feet). Shows 60' for Mercantile and 19'-7" for other uses.

FIRE PROTECTION REQUIREMENTS

Table with 2 columns: TYPE OF PROTECTION, REQUIREMENTS. Lists fire protection details for various building elements like exterior walls, roofs, stairs, etc.

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PERCENTAGE OF WALL OPENING CALCULATIONS

Table with 4 columns: FLOOR, HEIGHT (Feet), PERCENTAGE OF WALL OPENING (Permitted), ALLOWABLE AREA (Sq. Ft.), ACTUAL PERCENTAGE (Permitted).

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: [] Yes [] No
Exit Signs: [] Yes [] No
Fire Alarm: [] Yes [] No
Smoke Detection Systems: [] Yes [] No
Carbon Monoxide Detection: [] Yes [] No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: G-002, A-601, E-101 (Supplemental to Section 1010.1.1) and fire alarm by licensed contractor/renderer

- List of Life Safety Plan requirements including fire and smoke ratings, egress paths, occupancy separation, panic hardware, etc.

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ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:
Energy Code: [] Prescriptive [] Performance
ASHRAE 90.1: [] Prescriptive [] Performance

Lighting schedule (each fixture type) - REFER TO G-003 AND E-102
Lamp type required in fixture:
Number of lamps in fixture

Additional Prescriptive Compliance

- List of prescriptive compliance items like 506.2.1 More Efficient Mechanical Equipment, 506.2.2 Reduced Lighting Power Density, etc.

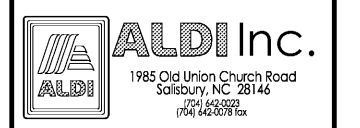
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Issued and Revisions table with columns: Issue/Revision, Date. Shows dates for Client Review Set, Permit Set, Bid Set, and various revision entries.

ms consultants, inc. logo and contact information: 5444 Wade Park Blvd., Suite 160, Raleigh, NC 27607-4299.

DRAWN BY: SCG/MEM
REVIEWED BY: NAL/CMB

PROFESSIONAL OF RECORD:
CHARLES M. BUSCH No. 14751
EXP. DATE: 06/30/2021



ALDI Inc.
Store No. 87
2526 Freedom Dr
Charlotte, NC 28208
Mecklenburg County
Project Name & Location:

Drawing Name table with columns: Prototype Rls., Project No., Type, Drawing No. Shows Project No. 40452-30 and Drawing No. G-004.