# Walmart Market

COVINGTON, LA
STORE NO.: 3042

DATE: 09/21/11
PROTO: R-C-41 (RX-L)


## GENERAL

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LS1 LIFE SAFETY PLAN (NOT IN BID SET)

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A1.2 FLOOR FINISH PLAN
A2 EXTERIOR ELEVATIONS
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RE1 REFRIG ELECTRICAL PLAN


## BUILDING CODE SUMMARY

29-C010-CODE

NAME OF PROJECT: COVINGTON, LA
STREET ADDRESS: CORNER OF NORTH 2ND STREET AND NORTH HIGHWAY 190
PROPOSED USE: RETAIL

**APPLICABLE CODES:**
BUILDING CODE: 2009 INTERNATIONAL BUILDING CODE (IBC)
2009 NFPA 101 LIFE SAFETY CODE
MECHANICAL CODE: 2009 INTERNATIONAL MECHANICAL CODE
PLUMBING CODE: 2000 LA STATE PLUMBING CODE
ELECTRICAL CODE: 2008 NEC
FIRE CODE: 2009 INTERNATIONAL FIRE CODE (IFC)
ACCESSIBILITY CODE: ADA-AG

**MIXED OCCUPANCIES:** THIS BUILDING HAS BEEN DESIGNED PER 2009 IBC SECTION 508 FOR MIXED OCCUPANCY AND SECTION 508.3 FOR NONSEPARATED USE.

SECTION 508.3 (NONSEPARATED USES) - FIRE SEPARATION IS NOT REQUIRED BETWEEN ALL OCCUPANCIES OF THE BUILDING EXCEPT AS REQUIRED BY OTHER PROVISIONS

SECTION 303.1(2) A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES BY LESS THAN 50 PERSONS AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE INCLUDED AS PART OF THAT OCCUPANCY. THE COMBINED OCCUPANCY OF THE CAFE, BREAKROOM AND TRAINING ROOM COMPLIES WITH THE ALLOWANCE AND IS THEREFORE CLASSIFIED AS MERCANTILE.

**BUILDING OCCUPANCIES:** M - MERCANTILE - WHOLESALE OR RETAIL STORE (MAIN USE) - SECTION 309.1
S1 - RECEIVING AND STOCKROOMS - STORAGE AREAS (MIXED USE) -- SECTION 311.2

**TYPE OF CONSTRUCTION:** TYPE 5B PER SECTION 602.5 AND TABLES 601 AND 602 (2009 IBC)

**FIRE PROTECTION:**

| HOURLY FIRE-RESISTANCE RATING REQUIREMENT PER TABLE 601 | REQUIRED | PROVIDED |
|---|---|---|
| STRUCTURAL FRAME | 0 HOURS | 0 HOURS |
| ROOF CONSTRUCTION | 0 HOURS | 0 HOURS |
| EXTERIOR BEARING WALLS | 0 HOURS | 0 HOURS |
| EXTERIOR NONBEARING WALLS | 0 HOURS | 0 HOURS |
| INTERIOR BEARING WALLS | 0 HOURS | 0 HOURS |
| INTERIOR NONBEARING WALLS AND PARTITIONS | 0 HOURS | 0 HOURS |
| FLOOR CONSTRUCTION | 0 HOURS | 0 HOURS |

**NUMBER OF EXITS OR EXIT ACCESS DOORS REQUIRED:** THIS BUILDING COMPLIES WITH TABLE 1015.1 (2009 IBC)
TWO (2) EXITS ARE REQUIRED WHEN THE FOLLOWING OCCUPANT LOADS ARE EXCEEDED:
FOR MERCANTILE OCCUPANCIES GREATER THAN 49, TWO (2) EXITS ARE REQUIRED.

NOTE: MERCANTILE OCCUPANT LOAD IS GREATER THAN 1000
FOUR (4) EXITS PROVIDED PER TABLE 1021.1

**EXIT ACCESS TRAVEL DISTANCE:** 250' FOR M OCCUPANCY PER TABLE 1016.1
THIS BUILDING IS DESIGNED PER 2009 NFPA 101 SEC. 36.2.6.2, WHICH ALLOWS 250' OF TRAVEL DISTANCE TO THE EXIT ACCESS OR THE "EXIT".
NOTE: THE DISTANCE FROM ANYWHERE IN THE BUILDING TO AN EXIT DISCHARGE IS LESS THAN 250

**COMMON PATH OF TRAVEL:** 75' FOR M OCCUPANCY (MERCANTILE) PER 2009 IBC SECTION 1014.3 AND NFPA TABLE A.7.6 (100' WHEN SPRINKLERED)
100' FOR S OCCUPANCY (STORAGE) PER 2009 IBC AND IFC SECTION 1014.3 EXCEPTION #2.

**OCCUPANCY LOAD FACTORS:**

| MAXIMUM FLOOR AREA ALLOWANCE PER OCCUPANT PER 2009 IBC TABLE 1004.1.1 AND 2009 NFPA 7.3.1.2 | |
|---|---|
| SALES (MERCANTILE - GRADE FLOOR AREAS) | 30 (GROSS) |
| STORAGE (MERCANTILE - STORAGE, STOCK, SHIPPING AREAS) | 300 (GROSS) |
| BREAK AND DINING ROOMS (ASSEMBLY WITHOUT FIXED SEATING) | 15 (NET) |
| TRAINING (EDUCATIONAL) | 20 (NET) |
| BAKERY AND DELI PREP AREAS (COMMERCIAL KITCHEN) | 100 (GROSS) |
| OFFICE, PHARMACY, INVOICING AND MANAGEMENT (BUSINESS AREAS) | 100 (GROSS) |

**ALLOWABLE AREA:** THIS BUILDING IS DESIGNED FOR UNLIMITED AREA PER SECTION 507.3 (2009 IBC)
THIS BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM.

**OCCUPANCY LOAD CALCULATIONS:** 2009 IBC WITH NFPA 101 LIFE SAFETY
OCCUPANCY LOAD = (SQUARE FOOTAGE) / (OCCUPANCY LOAD FACTOR)
OCCUPANCY LOAD FACTOR = REFER TO OCCUPANCY LOAD FACTOR TABLE

**REQUIRED EGRESS WIDTH CALCULATIONS:**
REQUIRED EGRESS WIDTH = (OCCUPANCY LOAD) x (EGRESS WIDTH FACTOR)

| AREA | AREA (S.F.) | OCCUPANCY LOAD | WIDTH FACTOR | REQUIRED WIDTH | WIDTH PROVIDED | DOORS NUMBERS AND SIZES |
|---|---|---|---|---|---|---|
| MAIN SALES AREA: | 33,005 S.F. | S.F./30 = 1101 OCCUPANTS | X 0.20 | = 221" | TOTAL = 308" | |
| INCLUDES: SALES 100, WOMEN'S TOILET 103, MEN'S TOILET 104, FAMILY TOILET 105, ALCOVE 111, ALCOVE 125 & ALCOVE 126 | | | | | 121"<br>121"<br>33"<br>33" | 100A 1(12'-0") HINGED SLIDERS<br>100B 1(12'-0") HINGED SLIDERS<br>100C 1(3'-0") HINGED<br>100D 1(3'-0") HINGED |
| STORAGE | | | | | | |
| RECEIVING 120 | 2,471 S.F. | S.F./300 = 9 OCCUPANTS | X 0.20 | = 2" | 33"<br>66" | 120B 1(3'-0") HINGED<br>120A 2(3'-0") HINGED |
| ELECTRICAL 121 | 142 S.F. | S.F./300 = 1 OCCUPANT | X 0.20 | = 1" | 33" | 121A 1(3'-0") HINGED<br>121B 1(3'-0") HINGED |
| MECHANICAL 122 | 122 S.F. | S.F./300 = 1 OCCUPANT | X 0.20 | = 1" | | |
| ANCILLARY | | | | | | |
| PRODUCE PREP 143 | 293 S.F. | S.F./100 = 3 OCCUPANTS | X 0.20 | = 1" | 66" | 143A 2(3'-0") HINGED |
| PRODUCE COOLER 144 | 311 S.F. | S.F./300 = 2 OCCUPANTS | X 0.20 | = 1" | 60" | 1(5'-0") ROLL-UP |
| BAKERY PREP 148 | 289 S.F. | S.F./100 = 3 OCCUPANTS | X 0.20 | = 1" | 45" | 148A 1(4'-0") HINGED |
| DELI PREP 149 | 295 S.F. | S.F./100 = 3 OCCUPANTS | X 0.20 | = 1" | 66" | 149A 2(3'-0") HINGED |
| DAIRY COOLER 123 | 450 S.F. | S.F./300 = 2 OCCUPANTS | X 0.20 | = 1" | 60"<br>36" | 1(5'-0") ROLL-UP<br>1(3'-0") HINGED |
| FREEZER 124 | 495 S.F. | S.F./300 = 2 OCCUPANTS | X 0.20 | = 1" | 60"<br>60" | 1(5'-0") SLIDER<br>1(5'-0") HINGED |
| MEAT COOLER 147 | 362 S.F. | S.F./300 = 2 OCCUPANTS | X 0.20 | = 1" | 60" | 1(5'-0") ROLL-UP |
| UPC 106 | 262 S.F. | S.F./100 = 3 OCCUPANTS | X 0.20 | = 1" | 33" | 106A 1(3'-0") HINGED |
| PHARMACY 112 (INCLUDES PHARMACY CHECKOUT 113 & PHARMACY TOILET 114) | 650 S.F. | S.F./100 = 7 OCCUPANTS | X 0.20 | = 2" | 33"<br>33" | 112A 1(3'-0") HINGED<br>113A 1(3'-0") HINGED |
| BREAK ROOM 109 | 310 S.F. | S.F./15 = 21 OCCUPANTS | X 0.20 | = 5" | 33" | 109A 1(3'-0") HINGED |
| TRAINING 108 | 91 S.F. | S.F./20 = 5 OCCUPANTS | X 0.20 | = 1" | 33" | 108A 1(3'-0") HINGED |
| MANAGER'S OFFICE 107 | 84 S.F. | S.F./100 = 1 OCCUPANT | X 0.20 | = 1" | 33" | 107A 1(3'-0") HINGED |
| CUSTOMER SERVICE 101 | 243 S.F. | S.F./100 = 3 OCCUPANTS | X 0.20 | = 1" | 38" | 101A 1(4'-0") HINGED |
| CASH 102 | 94 S.F. | S.F./100 = 1 OCCUPANT | X 0.20 | = 1" | 33" | 102A 1(3'-0") HINGED |
| SITE TO STORE 110 | 218 S.F. | S.F./300 = 1 OCCUPANT | X 0.20 | = 1" | 45" | 110A 1(4'-0") HINGED |
| TOTAL NET FLOOR AREA PER 2009 IBC, SECTION 1002.1 | = 40,187 S.F. | 1,171 OCCUPANTS | | | | |

**PLUMBING FIXTURE UNITS** (revision 1)
PER TABLE 407 (2000 LOUISIANA STATE PLUMBING CODE) AND CHAPTER 29 (2009 IBC)

OCCUPANT CONTENT:
= HABITABLE SPACES (33,248)/200 = 166

WATER CLOSETS REQUIRED:
MALE WATER CLOSETS:
= 2 (FOR 1st 150) + 1 (FOR EACH ADDITIONAL 200)
= 2 + (1*40/200) = 2 REQUIRED (3 PROVIDED)
FEMALE WATER CLOSETS:
= 5 (FOR 1st 150) + 1.75 (FOR EACH ADDITIONAL 200)
= 5 + (1.75*40/200) = 5 REQUIRED (5 PROVIDED)
ADDITIONAL WATER CLOSETS PROVIDED:
PHARMACY TOILET (1 PROVIDED)

LAVATORIES REQUIRED:
MALE LAVATORIES:
= 2 (FOR 1st 125) + 1 (FOR EACH ADDITIONAL 200)
= 2 + (1*65/200) = 2 REQUIRED (2 PROVIDED)
FEMALE LAVATORIES:
= 4 (FOR 1st 125) + 1.75 (FOR EACH ADDITIONAL 200)
= 4 + (1.75*65/200) = 4 REQUIRED (4 PROVIDED)
ADDITIONAL LAVATORIES PROVIDED:
PHARMACY TOILET (1 PROVIDED)

DRINKING FOUNTAINS REQUIRED:
DRINKING FOUNTAINS:
= 2 REQUIRED: 101 TO 250 PERSONS
(2 PROVIDED + 1 WATER DISPENSER)

**LOCK BOX**

THE GENERAL CONTRACTOR WILL SUPPLY & INSTALL A LOCK BOX AS DIRECTED BY THE FIRE OFFICIAL.

**ACCESSORY EGRESS WIDTH CALCULATIONS**
ACCESSORY SPACES EXITING THROUGH THE PRIMARY SPACES
EXITING COMPLIES WITH 2009 IBC SECTION 1004.1

| ACCESSORY SPACE | OCCUPANT LOAD | % EXITING THROUGH SALES |
|---|---|---|
| PRODUCE PREP 143 | 3 | 100% = 3 |
| PRODUCE COOLER 144 | 2 | 100% = 2 |
| BAKERY PREP 148 | 3 | 100% = 3 |
| DELI PREP 149 | 3 | 100% = 3 |
| DAIRY COOLER 123 | 2 | 100% = 2 |
| FREEZER 124 | 2 | 100% = 2 |
| ALCOVE 125 | 1 | 100% = 1 |
| MEAT COOLER 147 | 2 | 100% = 2 |
| UPC 106 | 3 | 100% = 3 |
| PHARMACY 112,113 & 1157 | 7 | 100% = 7 |
| BREAK ROOM 109 | 21 | 100% = 21 |
| TRAINING 108 | 5 | 100% = 5 |
| MANAGER'S OFFICE 107 | 1 | 100% = 1 |
| CUSTOMER SERVICE 101 | 3 | 100% = 3 |
| CASH 102 | 1 | 100% = 1 |
| SITE TO STORE 110 | 1 | 100% = 1 |
| | | 60 |

| | |
|---|---|
| ACCESSORY LOAD EXITING THRU SALES | 60 |
| MAIN SALES OCCUPANT LOAD | 1011 |
| TOTAL OCCUPANT LOAD THRU SALES | 1,161 |
| EGRESS WIDTH FACTOR | X 0.20 |
| TOTAL REQUIRED EGRESS WIDTH THRU SALES | 232 |

TOTAL EGRESS WIDTH PROVIDED:
MAIN SALES = 308"
MAIN ENTRANCES = 242"
FRONT WALL = 242"

GREATER THAN ONE-HALF OF REQUIRED EGRESS PASSES THROUGH FRONT WALL OF BUILDING AND COMPLIES WITH NFPA 101 SECTION 36.2.5.7.

**BUILDING SQUARE FOOTAGE**
TOTAL GROSS SQUARE FOOTAGE IS 41,889 PER DEFINITION OF GROSS FLOOR AREA (IBC 1002.1)

## SHEET NOTES

1. BUILDING WILL BE FULLY SPRINKLERED AS REQUIRED BY CONTRACT DOCUMENTS. SUBMIT FIRE SPRINKLER SYSTEM DRAWINGS AND CALCULATIONS TO AUTHORITIES HAVING JURISDICTION (FIRE DEPARTMENT, FIRE MARSHAL ETC). OBTAIN ALL APPROVALS PRIOR TO FABRICATION OR INSTALLATION.
2. OWNER WILL PROVIDE FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10. AUTHORITY HAVING JURISDICTION WILL APPROVE FINAL FIRE EXTINGUISHER LOCATIONS.
3. WALMART'S ALARM CENTRALS ENGINEERING TEAM HAS CONTACTED THE AUTHORITY HAVING JURISDICTION FOR PRE-PLAN DATA ABOUT STATE AND LOCAL REQUIREMENTS THAT DIFFER FROM THE NATIONALLY PUBLISHED CODES AND STANDARDS. A COMPLETE SITE SPECIFIC SUBMITTAL IS BEING MADE DIRECTLY TO THE AUTHORITY HAVING JURISDICTION. AUTHORITY HAVING JURISDICTION QUESTIONS SHOULD BE DIRECTED TO 1-800-530-9924, OPTION 3.
4. THE MAXIMUM STORAGE HEIGHT IN STOCKROOM AND RECEIVING IS TWELVE FEET.
5. REFER TO SPECIFICATION 01640 - OWNER FURNISHED PRODUCT: THIS SECTION INCLUDES SPECIFIC INFORMATION REGARDING ITEMS AND SERVICES TO BE FURNISHED AND INSTALLED BY INDIVIDUALS OTHER THAN THE GENERAL CONTRACTOR. ALL ITEMS SHOWN DASHED REFER TO SPECIFICATIONS.


| ARCHITECTURAL: | MECHANICAL: | ELECTRICAL: | PLUMBING: | FIRE PROTECTION: | STRUCTURAL: |
|---|---|---|---|---|---|
| BRR ARCHITECTURE, INC<br>ARCHITECT OF RECORD<br>6700 ANTIOCH PLAZA, SUITE 300<br>MERRIAM, KANSAS 66204 | HENDERSON ENGINEERS, INC.<br>ENGINEER OF RECORD<br>8325 LENEXA DRIVE, SUITE 400<br>LENEXA, KANSAS 66214 | HENDERSON ENGINEERS, INC.<br>ENGINEER OF RECORD<br>8325 LENEXA DRIVE, SUITE 400<br>LENEXA, KANSAS 66214 | HENDERSON ENGINEERS, INC.<br>ENGINEER OF RECORD<br>8325 LENEXA DRIVE, SUITE 400<br>LENEXA, KANSAS 66214 | HENDERSON ENGINEERS, INC.<br>ENGINEER OF RECORD<br>8325 LENEXA DRIVE, SUITE 400<br>LENEXA, KANSAS 66214 | JOHNSTON BURKHOLDER ASSOCIATES<br>ENGINEER OF RECORD<br>930 CENTRAL STREET<br>KANSAS CITY, MISSOURI 64105 |



B|R|R architecture
ARCHITECT OF RECORD: BRR ARCHITECTURE, INC
6700 ANTIOCH PLAZA, SUITE 300, MERRIAM, KANSAS 66204



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CONSULTANTS

Walmart Market
COVINGTON, LA
STORE NO.3042-00
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ISSUE BLOCK
1 11/11/11 REV #1

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RICHARD A. MAJORS, JR. REG. NO. 6980 STATE OF LOUISIANA REGISTERED ARCHITECT
11/18/11

COVER SHEET

SHEET: C1


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