

ADDITION to MOORES GLASS

CODE REVIEW

2012 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(REPRODUCE THE FOLLOWING DATA ON THE BUILDING PLANS SHEET 1 OR 2)

THE ENGINEERS HAVE
PLACED THE CODE DATA
RELEVANT TO THEIR
DISCIPLINE ON THEIR
RESPECTIVE SHEETS.

NAME OF PROJECT: MOORES GLASS

ADDRESS: 1116 SOUTH SOUTH 3rd STREET, WILMINGTON, NC ZIP CODE: 28405

PROPOSED USE: GLASS COMPANY

OWNER: JOHN MOORE CONTACT: MARK GRENNELL, ARCHITECT PHONE # (910) 233-1061 E-MAIL: mg.architect@outlook.com

OWNED BY: CITY/COUNTY PRIVATE STATE

CODE ENFORCEMENT JURISDICTION: CITY: COUNTY: NEW HANOVER STATE: N.C.

DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL
MARK GRENNELL ARCHITECT MARK GRENNELL 7438 910-233-1061 mg.architect@gmail.com

ARCHITECTURAL CIVIL ELECTRICAL FIRE ALARM PLUMBING MECHANICAL SPRINKLER-STANDPIPE STRUCTURAL RETAINING WALLS > 5' HIGH OTHER

Walton Engineering Mark Walton 16379 910-259-4800

2012 EDITION OF NC CODE FOR: NEW CONSTRUCTION ADDITION UPFIT EXISTING RECONSTRUCTION ALTERATION REPAIR RENOVATION

CONSTRUCTED: 1997 RENOVATED: N/A

ORIGINAL USE(S) (CH. 3): N/A CURRENT USE(S) (CH. 3): N/A PROPOSED USE(S) (CH. 3): BUSINESS, WAREHOUSE

BASIC BUILDING DATA

CONSTRUCTION TYPE: (CHECK ALL THAT APPLY) I-A I-B II-A II-B III-A III-B V-A V-B

SPRINKLERS: NO PARTIAL YES NFPA 13 NFPA 13R NFPA 13D

STANDPIPES: NO YES CLASS: I II III WET DRY

FIRE DISTRICT: YES (PRIMARY) NO

FLOOD HAZARD AREA: NO YES

BUILDING HEIGHT: (FEET) 20

GROSS BUILDING AREA:

FLOOR: EXISTING (SQ FT) NEW (SQ FT) SUB-TOTAL RENOVATED (SQ FT) UPFIT (SQ FT)

2nd FLOOR MEZZANINE GROUND FLOOR TOTAL

ALLOWABLE AREA OCCUPANCY:

ASSEMBLY A-1 A-2 A-3 A-4 A-5

BUSINESS EDUCATIONAL F-1 MODERATE F-2 LOW HAZARDOUS H-1 DETONATE H-2 DEFLAGRATE H-3 COMBUST H-4 HEALTH H-5 HPM

INSTITUTIONAL I-1 I-2 I-3 I-4 I-5

MERCANTILE RESIDENTIAL R-1 R-2 R-3 R-4 STORAGE S-1 MODERATE S-2 LOW HIGH-PILED

UTILITY AND MISCELLANEOUS PARKING GARAGE OPEN ENCLOSED REPAIR GARAGE

ACCESSORY OCCUPANCIES:

ASSEMBLY A-1 A-2 A-3 A-4 A-5

BUSINESS EDUCATIONAL F-1 MODERATE F-2 LOW HAZARDOUS H-1 DETONATE H-2 DEFLAGRATE H-3 COMBUST H-4 HEALTH H-5 HPM

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INCIDENTAL USES (TABLE 508.2.5):

FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU PER HOUR INPUT

ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HORSEPOWER

REFRIGERANT MACHINE ROOM

HYDROGEN CUTOFF ROOMS, NOT CLASSIFIED AS GROUP H

INCINERATOR ROOMS

PAINT SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN OCCUPANCIES OTHER THAN GROUP F

LABORATORIES AND VOCATIONAL SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN A GROUP E OR I-2 OCCUPANCY

LAUNDRY ROOMS OVER 100 SQUARE FEET

GROUP I-3 CELLS EQUIPPED WITH PADDED SURFACES

GROUP I-2 WASTE AND LINEN COLLECTION ROOMS

WASTE AND LINEN COLLECTION ROOMS OVER 100 SQUARE FEET

STATIONARY STORAGE BATTERY SYSTEMS HAVING A LIQUID ELECTROLYTE CAPACITY OF MORE THAN 50 GALLONS, OR A LITHIUM-ION CAPACITY OF 1,000 POUNDS USED FOR FACILITY STANDBY POWER, EMERGENCY POWER OR UNINTERRUPTED POWER SUPPLIES

ROOMS CONTAINING FIRE PUMPS

GROUP I-2 STORAGE ROOMS OVER 100 SQUARE FEET

GROUP I-2 COMMERCIAL KITCHENS

GROUP I-2 LAUNDRIES EQUAL TO OR LESS THAN 100 SQUARE FEET

GROUP I-2 ROOMS OR SPACES THAT CONTAIN FUEL-FIRED HEATING EQUIPMENT

SPECIAL USES: 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427

SPECIAL PROVISIONS: 509.2 509.3 509.4 509.5 509.6 509.7 509.8 509.9

MIXED OCCUPANCY: NO YES SEPARATION: HR. EXCEPTION:

INCIDENTAL USE SEPARATION (508.2.5)
THIS SEPARATION IS NOT EXEMPT AS A NON-SEPARATED USE (SEE EXCEPTIONS).

NON-SEPARATED USE (508.3)
THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF CONSTRUCTION, SO DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING.

SEPARATED USE (508.4) - SEE BELOW FOR AREA CALCULATIONS
FOR EACH STORY, THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA OF EACH USE DIVIDED BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1.

$$\frac{\text{ACTUAL AREA OF OCCUPANCY A}}{\text{ALLOWABLE AREA OF OCCUPANCY A}} + \frac{\text{ACTUAL AREA OF OCCUPANCY B}}{\text{ALLOWABLE AREA OF OCCUPANCY B}} = 1 \text{ OR LESS}$$

STORY NO.	DESCRIPTION AND USE	BLDG AREA PER STORY (ACTUAL)	TABLE 503 (5) AREA	AREA FOR FRONTAGE INCREASE (1)	AREA FOR SPRINKLER INCREASE (2)	ALLOWABLE AREA OR UNLIMITED (3)	MAXIMUM BUILDING AREA (4)
1	LIM FASHION & FURNISHING (M)	2,000 SF	9,000.0 SF	NOT USED	NOT USED	9,000.0 SF	
1	AGAPE - HOUSE OF LOVE (A-3)	1,000 SF	6,000.0 SF	NOT USED	NOT USED	6,000.0 SF	
1	MOORES GLASS (B)	530.0 SF	9,000.0 SF	NOT USED	NOT USED	9,000.0 SF	
1	MOORES GLASS (F2 WAREHOUSE)	1,470 SF	13,000.0 SF	NOT USED	NOT USED	13,000.0 SF	

SUMMARY: THE BUILDING IS SINGLE STORY. CONSTRUCTION TYPE IS V-B. THE ENTIRE BUILDING AREA, INCLUDING THE ADDITION, IS 6,000 SF. THIS EQUALS WHAT'S PERMITTED FOR THE MOST RESTRICTIVE USE (6,000 SF).

MOST RESTRICTIVE USE

(1) FRONTAGE AREA INCREASES FROM SECTION 506.2 ARE COMPUTED THIS:
A. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20' FEET MINIMUM WIDTH = (F)
B. TOTAL BUILDING PERIMETER = (P)
C. RATIO (F/P) = (F/P)
D. W = MINIMUM WIDTH OF PUBLIC WAY = (W)
E. PERCENT OF FRONTAGE INCREASE IF = $100 (F/P - 0.25) W/30$ (%)

(2) THE SPRINKLER INCREASE PER SECTION 508.3 IS AS FOLLOWS:
A. MULTI-STORY BUILDING IS = 200 PERCENT
B. SINGLE STORY BUILDING IS = 300 PERCENT

(3) UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.

(4) MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING X E (606.4).

(5) THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.3.5. THE MAXIMUM AREA OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 412.1.2.

ALLOWABLE HEIGHT	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
TYPE OF CONSTRUCTION	TYPE: V-B	NOT USED	TYPE: V-B	
BUILDING HEIGHT IN FEET	40 FT	FEET = H + 20' =	20 FT	
BUILDING HEIGHT IN STORIES	1	STORIES + 1 =	1	

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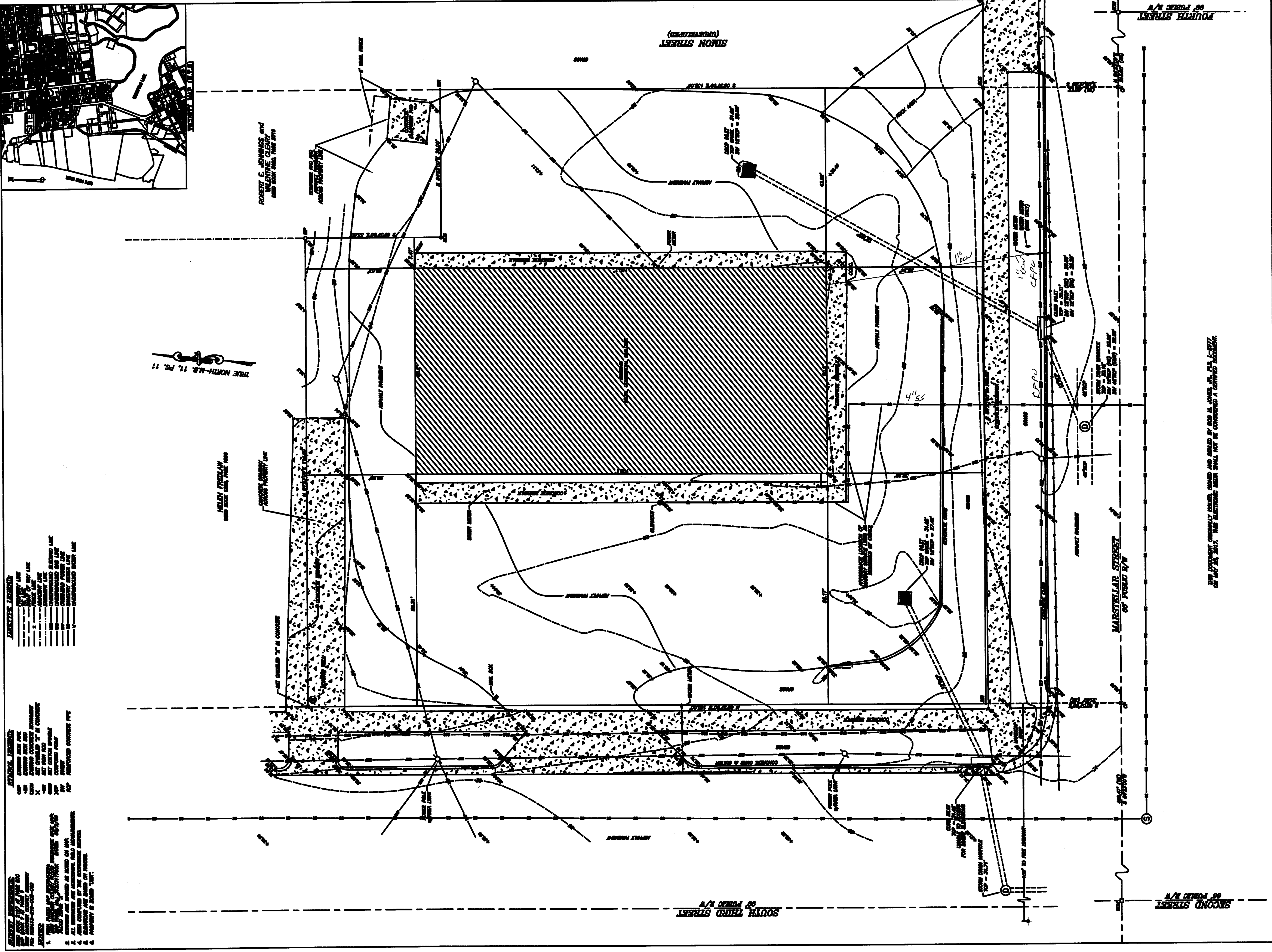
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TYPE OF CONSTRUCTION	TYPE: V-B	INCREASE FOR SPRINKLERS	SHOWN ON PLANS</
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MAP OF SURVEY FOR JOHN T. MOORE and wife LOIS B. MOORE

1119 S. THIRD STREET, WILMINGTON, NC
 PART OF LOTS 4, 5 & 6 - BLOCK 5 CITY OF WILMINGTON
 WILMINGTON TOWNSHIP - NEW HANOVER COUNTY - NORTH CAROLINA
 SCALE: 1" = 10' - NEW HANOVER DATE: MAY 8, 2017

DATE: MAY 8, 2017

FILE NO. 1-1-2017

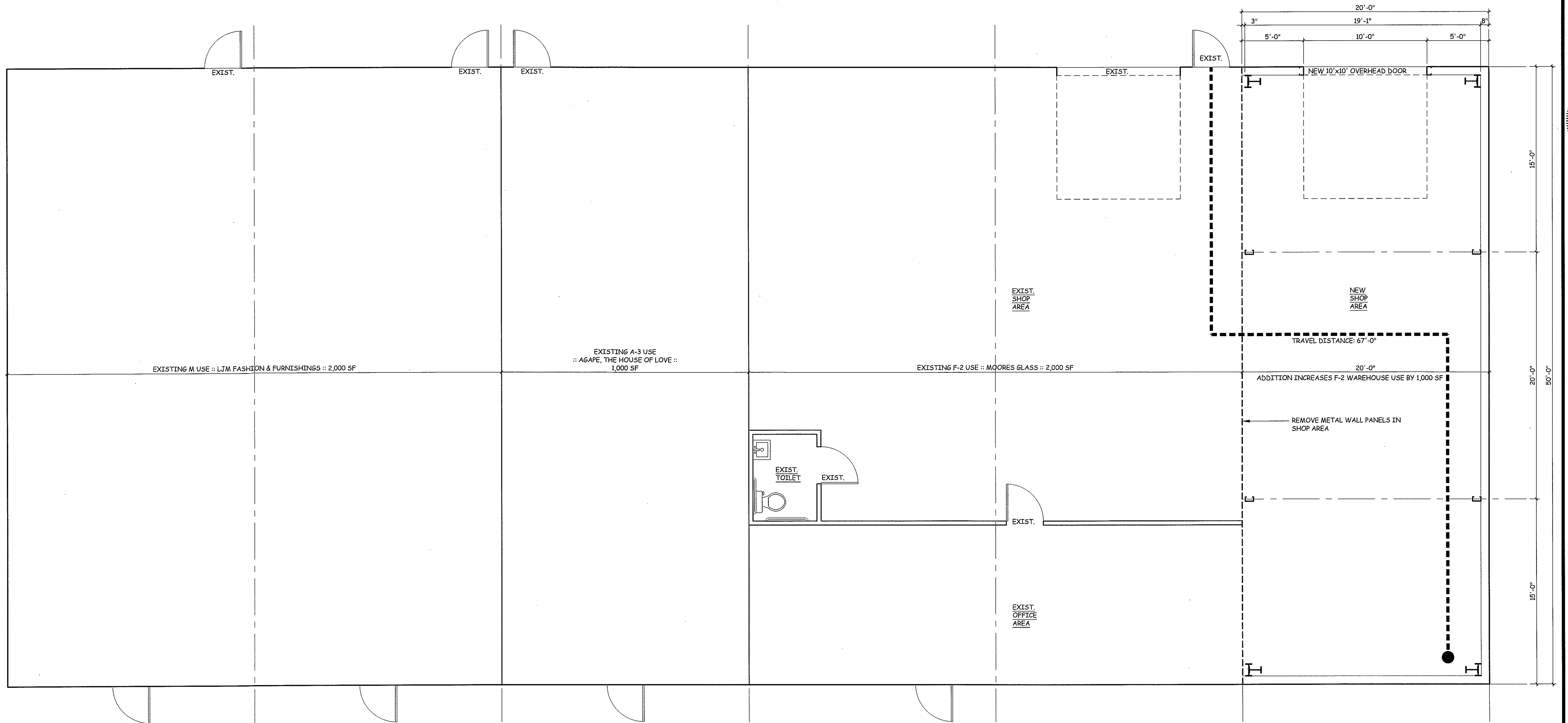
THIS DOCUMENT IS A COPY OF THE ORIGINAL RECORD AND SHALL BE CONSIDERED A CERTIFIED DOCUMENT ON MAY 24, 2017. THIS ELECTRONIC COPY SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT.

1" = 10'

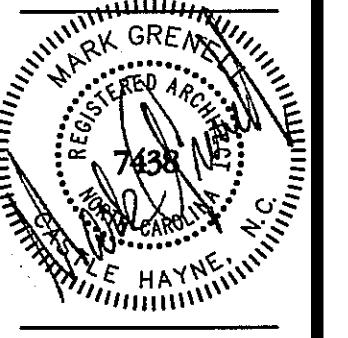
1" = 10'

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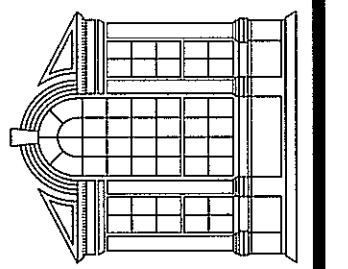
1" = 10'



1 FLOOR PLAN
1/4"=1'-0"



31 May 2017



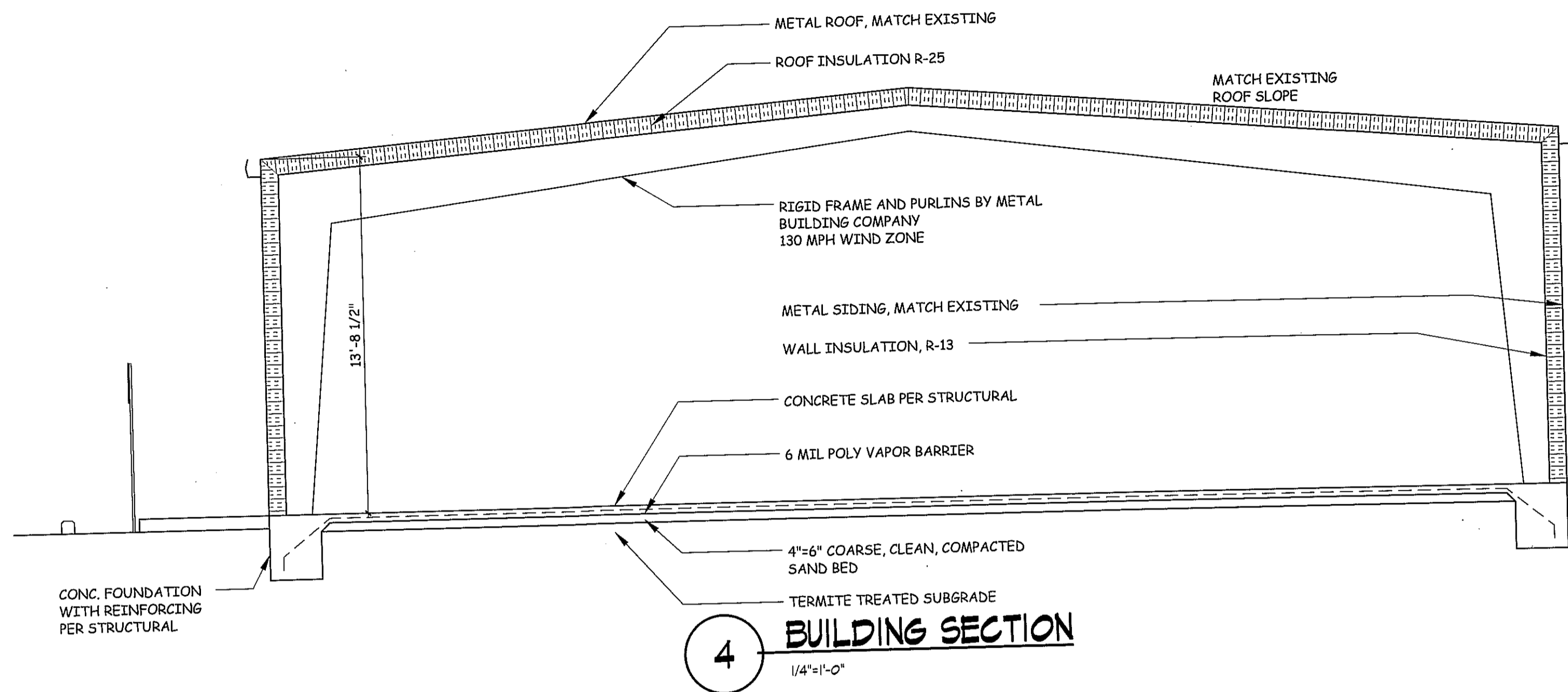
31 May 2017

REVISIONS	no.	date
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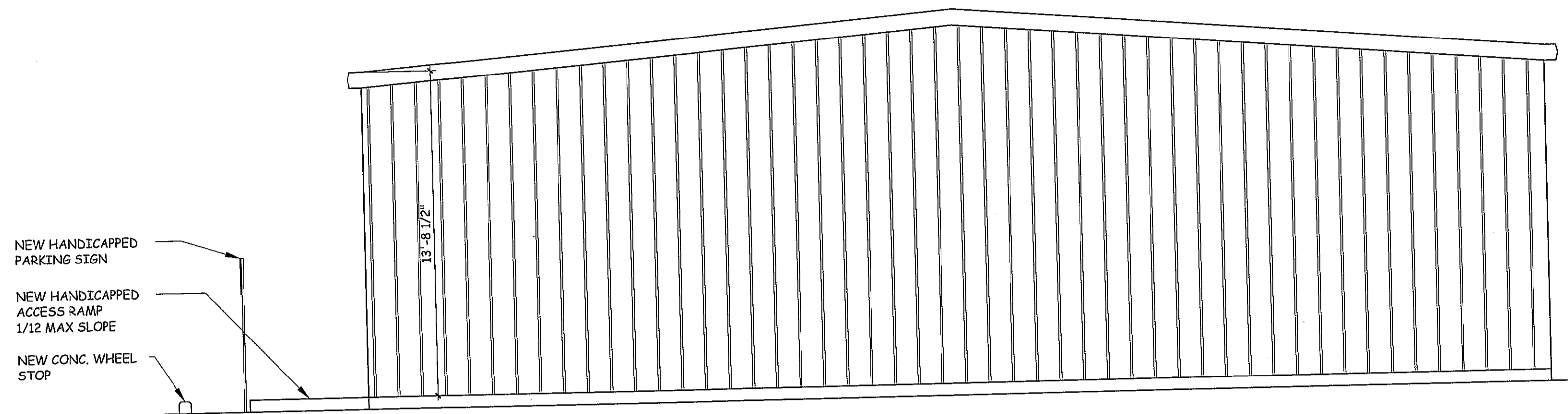
Floor Plan

SCALE AS NOTED

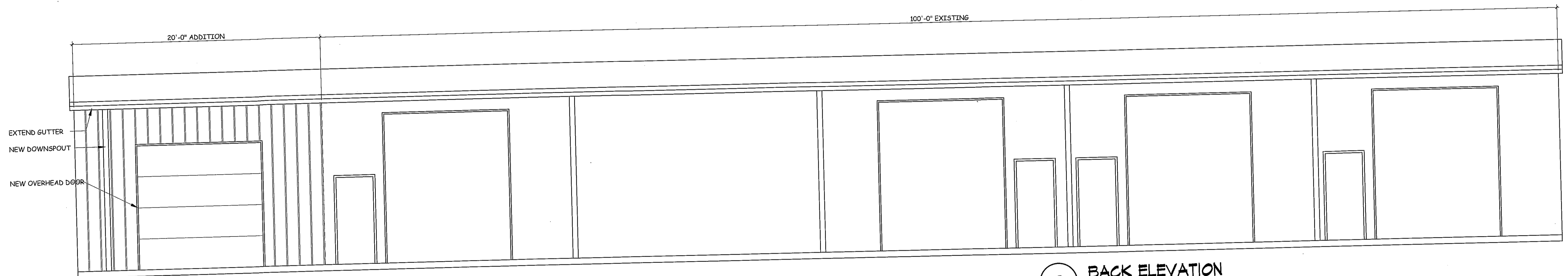
ARCH
A1



4 BUILDING SECTION
1/4"=1'-0"



3 END ELEVATION
1/4"=1'-0"

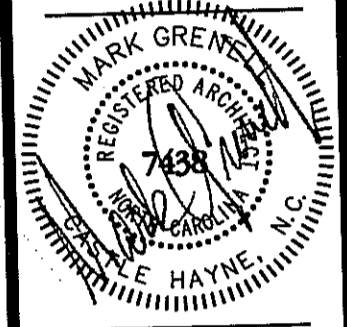


2 BACK ELEVATION
1/4"=1'-0"



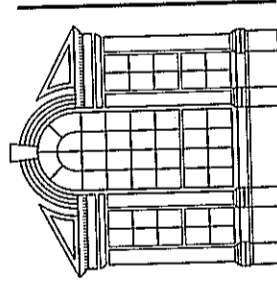
1 FRONT ELEVATION
1/4"=1'-0"

A Building Addition to
Moore's Glass Service Inc
1115 South 3rd Street
Wilmington, NC



31 May 2017

MARK GRENNELL, ARCHITECT
P O Box 393 Castle Hayne, NC 28429
Voice 910-233-1061 Fax 910-675-9761
All drawings and documents shown are subject to verification. These drawings and files have not been approved or reviewed by the State of North Carolina.



31 May 2017

REVISIONS	no.	date

Elevations
Building Section

SCALE AS NOTED

ARCH
A2