CODE REVIEW

2012 APPENDIX B

THE ENGINEERS HAVE PLACED THE CODE DATA RELEVANT TO THEIR DISCIDI INE ON THEID

FOR ALL COMMERCIAL PROJI (EXCEPT 1 AND 2-FAMILY DWI (REPRODUCE THE FOLLOWIN		EET 1 OR 2)	RESPECTIVE	
NAME OF PROJECT: MOORE	S GLASS			
ADDRESS: 1115 SOUTH SOU	JTH 3rd STREET, WILMINGTON, NC	ZIP CODE: 28405		
PROPOSED USE: GLASS COM	MPANY			
OWNER: JOHN MOORE	CONTACT: MAR	K GRENELL, ARCHITECT PHO	ONE # (910) 233 - 1061 E-	MAIL: mg.architect@outlook.com
OWNED BY: CITY/COUR	NTY Y PRIVATE 🗀 ST	ATE		
CODE ENFORCEMENT JURISI	DICTION: CITY: -	COUNTY: NEW HANO	VER STATE: N.C.	
ARCHITECTURAL CIVIL ELECTRICAL FIRE ALARM	DESIGNER FIRM MARK GRENELL, ARCHITECT	NAME LICI MARK GRENELL 743	ENSE # TELEPHONE # 8 910-233-1061	E-MAIL mg.architect@gmail.com
PLUMBING MECHANICAL SPRINKLER-STANDPIPE STRUCTURAL RETAINING WALLS >5' HIGH OTHER	Walton Engineering	Mark Walton 163	79 910-259-4800	
2012 EDITION OF NC CODE F	OR: NEW CONSTRUCTION EXISTING: RECONST	☐ ADDITION ☐ ALTERATION		RENOVATION
CONSTRUCTED: 1997	RENOVATED: N/A			
ORIGINAL USE(S) (CH. 3): N CURRENT USE(S) (CH. 3): N PROPOSED USE(S) (CH. 3): B	/A		•	
BASIC BUILDING DATA				
CONSTRUCTION TYPE: (CHECK ALL THAT APPLY)	☐ 1-A ☐ 11-A ☐ 111-A ☐ 111-B ☐ 111-B ☐ 111-B			
SPRINKLERS: NO STANDPIPES: NO FIRE DISTRICT: NO	☐ YES CLASS: ☐ I	PA 13 NFPA 13R NFF	PA 13D DRY	

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	5,000 SF	1,000 SF			
TOTAL		6,000 SF			

₩NO YES

FLOOD HAZARD AREA:

CCUPANCY: ASSEMBLY	☐ A-1	□A-2	☐ A-3	☐ A-4	☐ A-5	
BUSINESS	₩ ·	٠				
EDUCATIONAL						
FACTORY	☐ F-1 MO	DERATE	F-2 LO	N		
HAZARDOUS	H-1 DE	TONATE	☐ H-2 DE	FLAGRATE	☐ H-3 COMBUST ☐ H-4 HEALTH	☐ H-5 HPM
INSTITUTIONAL	□ I-1	□I-2	□ 1-3	□ 1-4		
1-3 CONDITION	l 🔲 1	□ 2	□ 3	□ 4	□ 5	
MERCANTILE						
RESIDENTIAL	☐ R-1	□R-2	□ R-3	□ R-4		
STORAGE	S-1 MO	DERATE	S-2 LO	W	☐ HIGH-PILED	
	☐ PARKIN	IG GARAGE	□ OPEN	☐ ENCLO	SED TREPAIR GARAGE	
UTILITY AND MISC	CELLANEOL	ıs 🗀				

ACCESSORY OCCU	PANCIES:					
ASSEMBLY	□ A-1	□ A-2	□ A-3	☐ A-4	☐ A-5	
BUSINESS						
EDUCATIONAL						
FACTORY	☐ F-1 MOD	ERATE	☐ F-2 LOW	1		_
HAZARDOUS	☐ H-1 DET	ONATE	☐ H-2 DEF	LAGRATE	☐ H-3 COMBUST ☐ H-4 HEALTH	∐H-5 HPM
INSTITUTIONAL	□ I-1	□l-2	□ I-3	□ I-4		
I-3 CONDITION	I 🔲 1	□ 2	□ 3	□ 4	□ 5	
MERCANTILE						
RESIDENTIAL	☐ R-1	□R-2	□ R-3	☐ R-4		
STORAGE	☐ S-1 MOD	ERATE	☐ S-2 LO	W	☐ HIGH-PILED	
	☐ PARKING	G GARAGE	OPEN	☐ ENCLOS	ED REPAIR GARAGE	
UTILITY AND MISC	CELLANEOU	s 🗌		•		

INCIDENTAL USES (TABLE 508.2.5): \square 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 TI 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 TYPES	SEPARATION:	HR.	EXCEPTION:	
☐ INCIDENTAL USE SEPARATION (508.2.5) THIS SEPARATION IS NOT EXEMPT AS A	NON-SEPARATED (JSE (SEE	EXCEPTIONS).	

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.

ACTUAL AREA OF OCCUPANCY A + ACTUAL AREA OF OCCUPANCY B = 1 OR LESS ALLOWABLE AREA OF OCCUPANCY A ALLOWABLE AREA OF OCCUPANCY B

STORY	DESCRIPTION	BLDG AREA	TABLE 503 (5)	AREA FOR	AREA FOR	ALLOWABLE	MAXIMUM
NO.	AND USE	PER STORY	AREA	FRONTAGE	SPRINKLER	AREA OR	BUILDING
		(ACTUAL)		INCREASE (1)	INCREASE (2)	UNLIMITED (3)	AREA (4)
1	LJM 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	

MOST RESTRICTIVE USE (1) FRONTAGE AREA INCREASES FROM SECTION 506.2 ARE COMPUTED THUS:

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] X W/30 = _____ (%)

A. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = _____(F)

(2) THE SPRINKLER INCREASE PER SECTION 506.3 IS AS FOLLOWS: A. MULTI-STORY BUILDING IS = 200 PERCENT B. SINGLE STORY BUILDING IS = 300 PERCENT

(SECTION 1106)

SPECIAL APPROVAL:

SPECIAL INSPECTIONS REQUIRED: YES YOU

(3) UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507. (4) MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING X E (506.4).

(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	INCREASE		
	(TABLE 503)	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	

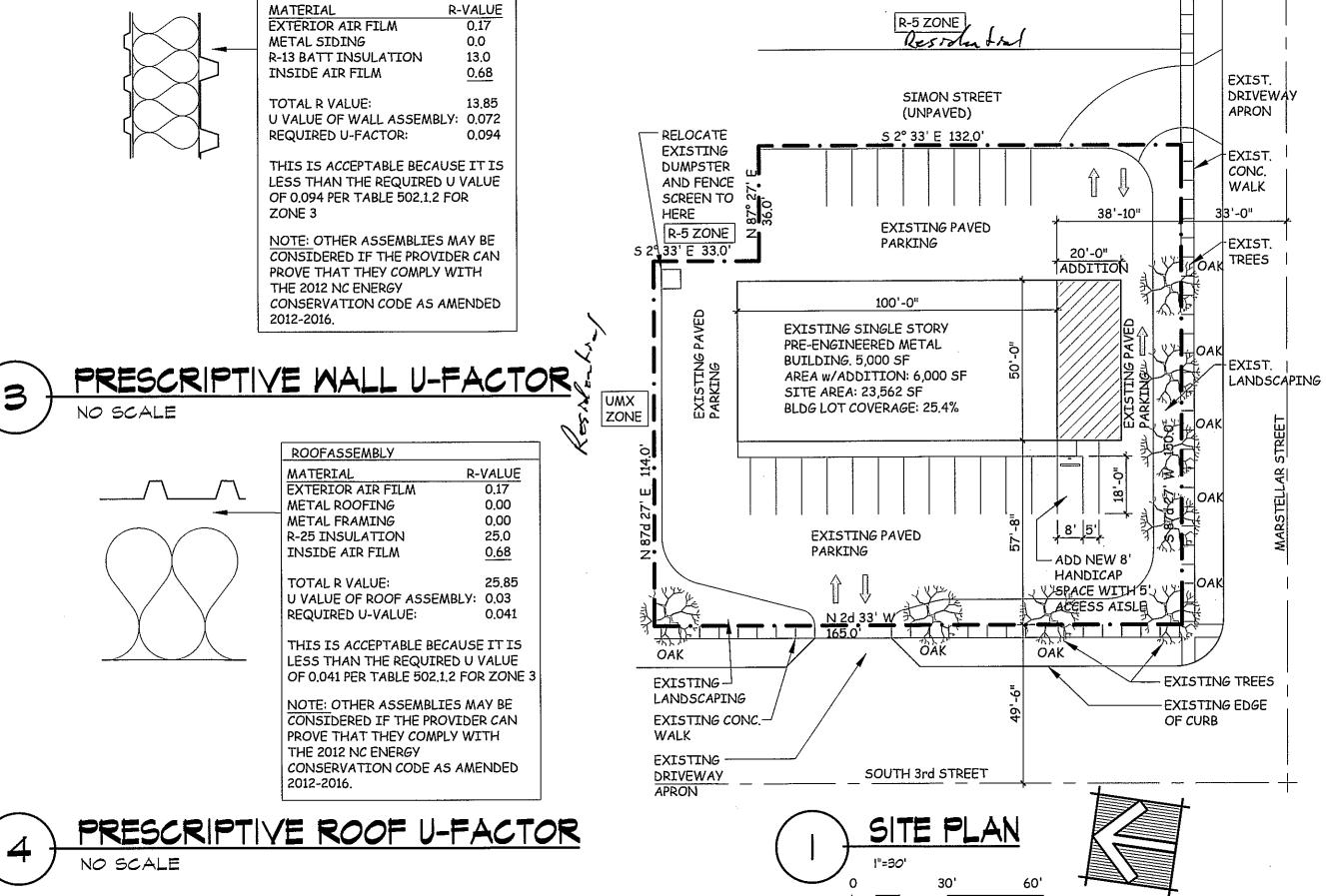
BUILDING ELEMENT	FIRE	RATING		DETAIL#	DESIGN#	DESIGN # FOR	DESIGN#
	SEPARATION DISTANCE (FEET)	REQ'D	PROVIDED (W/* REDUCTION)	AND SHEET#	FOR RATED ASSEMBLY	RATED PENETRATION	FOR RATED JOINTS
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES		0					
BEARING WALLS EXTERIOR INTERIOR	>10'	0					
NONBEARING WALLS AND PARTITIONS EXTERIOR WALLS INTERIOR WALLS FLOOR CONSTRUCTION	>10'	0					
INCLUDING SUPPORTING BEAMS AND JOISTS		0					
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		0					
SHAFT ENCLOSURES - EXIT		N/A					
SHAFT ENCLOSURES - OTHER		N/A		:			
CORRIDOR SEPARATION		N/A					
OCCUPANCY SEPARATION		N/A					
PARTY/FIRE WALL SEPARATION		N/A					
SMOKE BARRIER SEPARATION		N/A		#			
TENANT SEPARATION		N/A					
INCIDENTAL USE SEPARATION		N/A					

	N		N/A				
SMOKE BARRIER SEPARATION	I		N/A	ş			
TENANT SEPARATION			N/A				
NCIDENTAL USE SEPARATION	1		N/A				
* INDICATE SECTION NUMBER	PERMITTIN	G REDUCTI	ON				
LIFE SAFETY SYSTEM REQUIR		//50			 ***************************************		
LIFE SAFETY SYSTEM REQUIR EMERGENCY LIGHTING:	□ NO	YES			 		
LIFE SAFETY SYSTEM REQUIR EMERGENCY LIGHTING: EXIT SIGNS:	□ NO	YES YES					
LIFE SAFETY SYSTEM REQUIR EMERGENCY LIGHTING:	NO NO	YES					
LIFE SAFETY SYSTEM REQUIR EMERGENCY LIGHTING: EXIT SIGNS:	NO NO	YES					

REQUIRED			•
NEGOTILE	PROVIDED	WITH 5' ACCESS AISLE	PROVIDED
/400 SF= 5	5	1	1
50 SEATS/4= 13	13		
/1500= 2	2		
5	0 SEATS/4= 13 /1500= 2	0 SEATS/4= 13 13	0 SEATS/4= 13 13 /1500= 2 2

1.											_	
PLUMBING	3 FIXTURE REQUIF	REMENT	S (TABLE :	2902.1)								
USE		WAT	ERCLOSE*	TS	URINALS	LAVATO	ORIES		SHOWERS	MOP	DRINKING I	FOUNTAINS
SPACE	MALE/FEMALE	MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	& TUBS	SINK	REGULAR	ACCESSIBLE
F-2	5 M; 5 F	-	-	1		-	-	1		-		

NOTE: PER 2902.2 EXCEPTION (2) \$EPARATE FACILITIES ARE NOT REQUIRED FOR MALE AND FEMALE WITH A TOTAL OCCUPANT LOAD OF 25 OR LESS



EGRESS CAPACITY— Warehouse 2470 SF gross / 300 = 8.2 Occupants Concentrated (chairs only-not fixed) 1,000 SF net / 7 = 143 Occupants 170 170 170 170 MERCANTILE ZZZZZZZ Grade Floor Area 2,000 SF gross / 30 = 67 Occupants 170 170

WALL ASSEMBLY

SCOPE OF SITEWORK: -REMOVE PAVEMENT FOR NEW ADDITION -CONSTRUCT NEW ADDITION -ADD NEW ACCESSIBLE PARKING SPACE WITH ACCESS AISLE -ADD NEW WHEELSTOP -ADD NEW ACCESSIBLE PARKING SIGN. -ADD NEW ACCESSIBLE CURB RAMP. IMPERVIOUS DREA LOT ADEA: 23,562 SF EXIST. IMP. ADEA: 21, 146 SF (89%) > NO CHENGE NEW IMP. ADED: 21, 146 SF (89%)

> RECEIVED JUN 22 2017 PLANNING DIVISION

OCCUPANT LOAD

Number of buildings; [1] MAJOR SITE PLAN (TRC MEETING & REVIEW) (Greater than 2 acres or over 10,000 gross square

✓ MINOR SITE PLAN REVIEW (TRC REVIEW) (Less than 2 acres or less than 10,000 gross square

Key Information: ★ A vicinity sketch or key map; [SEE SHEET A0.1] True north arrow, with north being at the top of the map; [SEE SHEET A0.1] ✓ Scale of the map using engineer's scale both

graphic and numeric; [SEE SHEETS AO AND A0.1]

530 SF gross / 100 = 26.0 Occupants

Plan Review Type:

Title Block/Site Data Tabulation: ◆ Name of the development; [SEE CODE REVIEW SHEET AO ALSO SHOWN ON AO.1] ▼ Name of the property owner: [SEE CODE REVIEW ON SHEET AO ALSO SHOWN ON AO.1] ▼ Name, address and telephone number of the [SEE CODE REVIEW ON SHEET A0]

designer who prepared the plan; ✓ Project address: [SEE CODE REVIEW SHEET AO ALSO SHOWN ON A0.1] PIN number or Tax Parcel Number; [R05413-019-005-000] Zoning district; [UMX] Building setbacks, required; [NONE, EXCEPT WHERE ABUTS RESIDENTIAL, THEN 5'] Building setbacks, proposed; [GREATER THAN 5' ALL SIDES]

Total amount of acreage within the project [.54 ACRES] Building size (square footage), both existing and [EXISTING: 5,000 SF; ADDITION: 1,000 SF] Calculations for building lot coverage; [6,000 SF BLDG / 23,562 SF LOT: 25.4%]

Number of units; (and number of bedrooms per [3 TENANTS]

unit if multi-unit residential)

Building height; [SEE CODE REVIEW SHEET A.O] Number of stories and square feet per floor; [SEE CODE REVIEW SHEET A.O] Total amount and percent of impervious surface areas, before and after development; Off street parking calculations based on use; [SEE CODE REVIEW SHEET A.O] Minimum parking required: [20 SPACES] Maximum parking required; [20 SPACES] CAMA land use classification; [URBAN]

General Information:

Names of property owners of adjacent properties; [SEE SHEET A0.1] Zoning and land use of adjacent properties; [SEE 1/A0] Proposed streets with cross sections, existing [SEE SHEET A0.1] and platted streets on adjoining properties and in the proposed development with right-of-way widths;

Location and size of proposed recreational areas [N/A] or open spaces; Existing easements: [NONE PER SURVEY. SEE SHEET A/0.1] Widths; Purposes noted;

Public or private; Book and page numbers; Current accurate topographical information based [SEE SURVEY. SEE SHEET A/0.1] on mean sea level datum; Identify if in a special highway overlay district or [N/A] any other zoning overlay district;

Building, Structure and Use Information Location of solid waste disposal; [EXISTING DUMPSTER SEE EXISTING SURVEY ON SHEET AO.1. ALSO SEE SITE PLAN 1/AO]

Other required Information: General location, ownership and size of existing: Water; [N/A] Sanitary Sewer: [N/A]

Storm drainage lines or systems; [N/A] Fire Hydrants; [N/A] FEMA 100-year floodplain line [N/A] Existing parcel lines for the entire tract [SEE 1/A0] General locations only, with sizes of proposed: Water lines; [SEÉ SHEET A0.1] Fire hydrants; [SEE SHEET A0.1] Sewer lines; [SEE SHEET A0.1]

Storm drainage lines; [SEE SHEET A0.1] Please provide the Water and Sewer Capacity needs (current and proposed zoning) with calculations in gallons per day based on state

Water: 225 GPD (current use)
Water: 225 GPD (proposed use)
NO
Sewer: 225 GPD (current use)
Sewer: 225 GPD (proposed use) Site Inventory map as required; [SEE 1/A0] Tree Inventory, if required by the LDC, shall [N/A] indicate trees to be preserved and those proposed for removal. This information shall be combined with an overlay of the proposed site layout. The tree inventory must be certified by a registered land surveyor. See References 18-133

31 May 2017

REVISIONS

no, date

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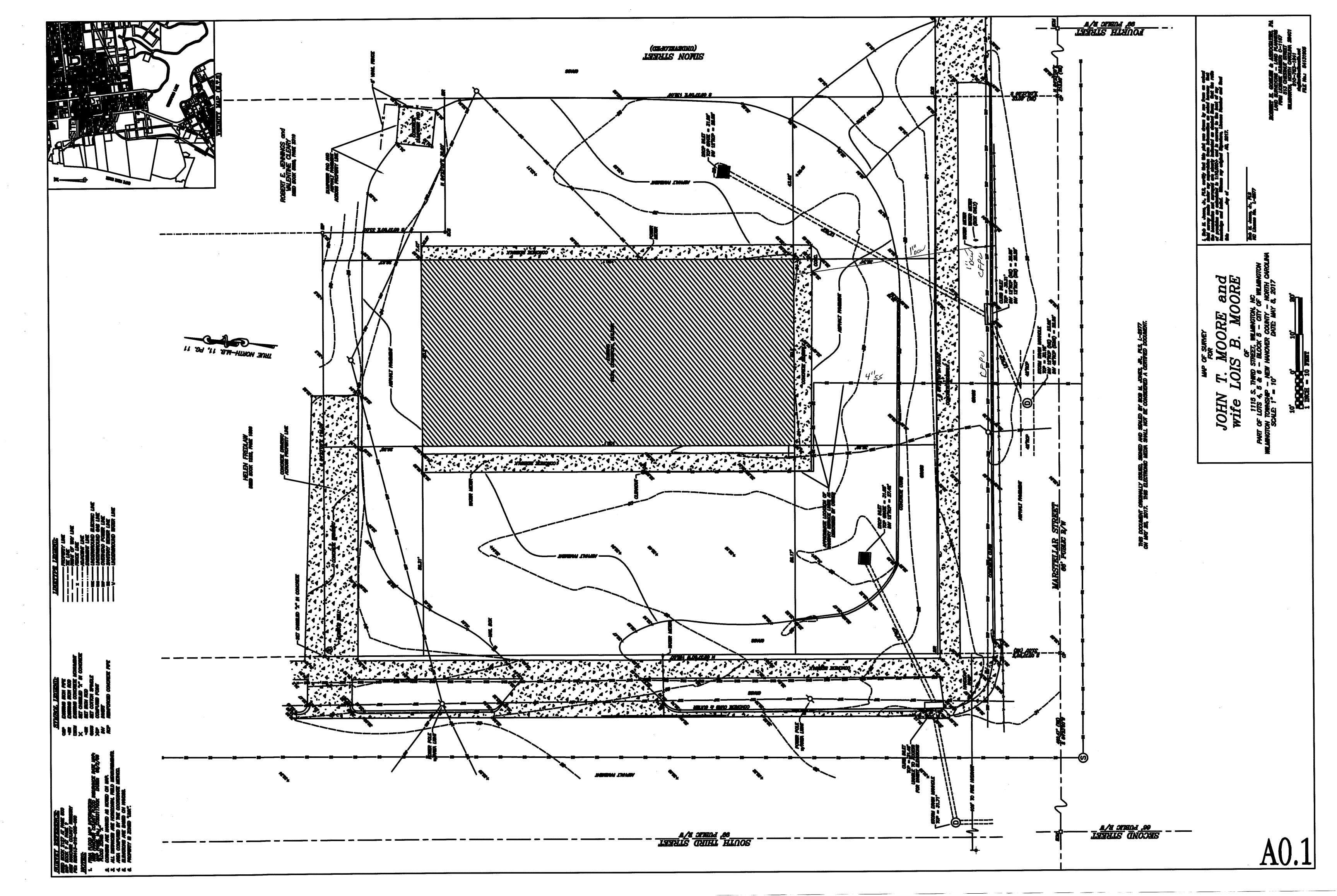
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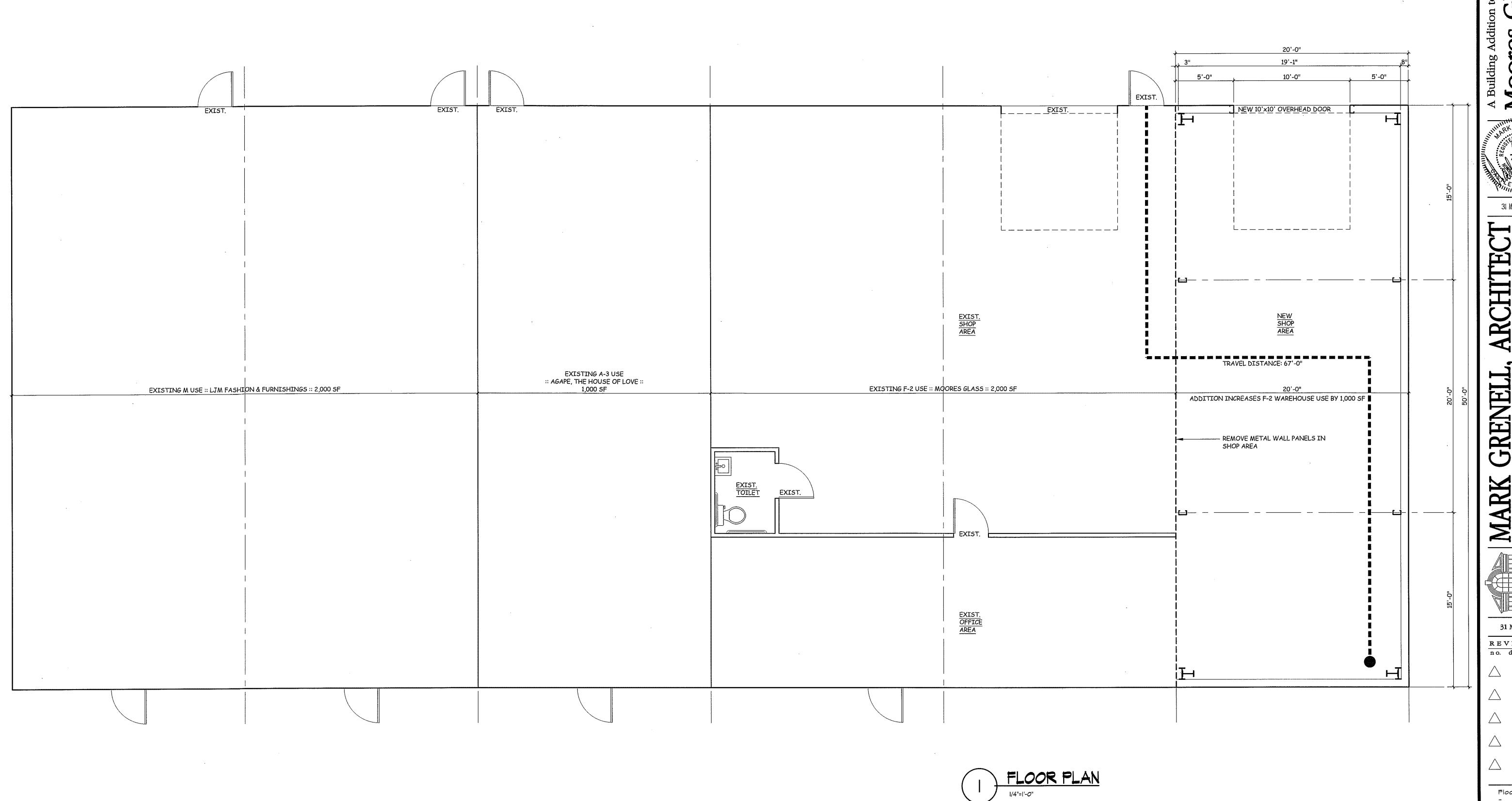
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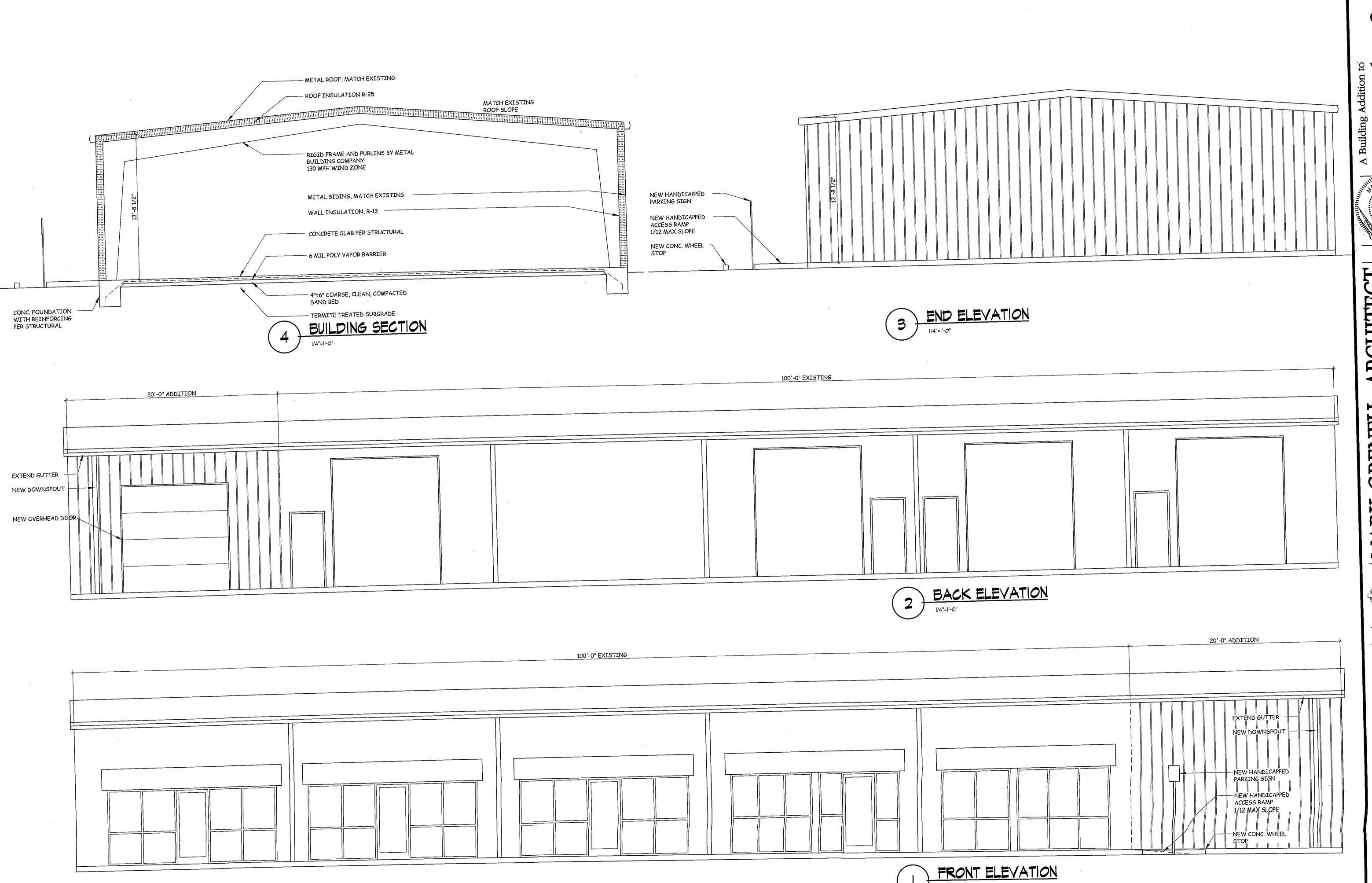
APPENDIX B SITE PLAN

SCALE AS NOTED





31 May 2017 REVISIONS no. date Floor Plan SCALE AS NOTED ARCH



ELI GRENI

MARK

31 May 2017 REVISIONS

no. date

Elevations Building Section

SCALE AS NOTED ARCH