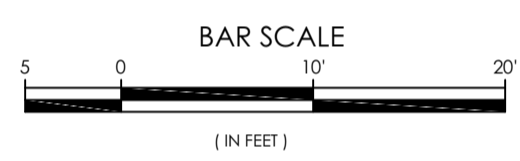


FIRE-1 SITE PLAN
SCALE: 1"=10'-0"



2015 I.B.C. DESIGN DATA	
CHAPTER 3 OCCUPANCY AND USE CLASSIFICATION:	SECTION 310.4 RESIDENTIAL GROUP R-2 (APARTMENTS)
TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE:	3 STORIES WITH (S) SPRINKLER SYSTEM.
TABLE 506.2 ALLOWABLE AREA FACTOR:	GROUP R-2, V-B = (SM) 21,000 S.F. WITH FIRE PROTECTION PER 903.3.1.1
BUILDING AREAS	
TOTAL BUILDING HEATED AND COVERED AREA:	6,796 S.F. ALLOWABLE S.F. = 21,000 S.F. (V-B CONSTRUCTION TYPE, ALLOWABLE AREA = 21,000 S.F.)
ZONE :	R-ML
FIRE FLOW REQUIREMENTS	
TYPE V-B 6,114 SF 4,801 - 6,200 SF = 2,000 G.P.M. = 2 HOURS FLOW DURATIONS 2,000 G.P.M. = 1 HYDRANTS = 450 FEET SPACE = 225 FEET MAX 50% REDUCTION, DUE TO FIRE SPRINKLER (TABLE 8105.1(1))	
SECTION 903 AUTOMATIC SPRINKLER SYSTEM:	PER SECTION 903.2.8 AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3 SHALL PROVIDED THROUGHOUT ALL BUILDINGS WITH A GROUP R FIRE AREA SECTION 903.3.1.2 NFPA 13R SPRINKLER SYSTEM. WHERE THE PROVISIONS OF THIS CODE REQUIRE THAT A BUILDING OR PORTION THEREOF BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH THIS SECTION.
SECTION 907, FIRE ALARM AND DETECTION SYSTEMS:	907.2.9 GROUP R-2 FIRE ALARM SYSTEMS AND SMOKE ALARMS SHALL BE INSTALLED GROUP R-2 OCCUPANCIES AS REQUIRED IN SECTION 907.2.9.1 AND 907.2.9.2
TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS):	0 HRS. RESISTANCE RATING REQUIRED.
TABLE 602 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE:	FIRE SEPARATION DISTANCE = $5 \leq 8 < 10$ TYPE OF CONSTRUCTION = ALL OCCUPANCY GROUP(S) = A, B, E, F-2, I, R, S-2, U = (1) HOUR FIRE-RESISTANCE RATING REQUIRED NOTE: APARTMENT EXTERIOR WALLS AT BREEZEWAY/CORRIDOR TO BE (1) HOUR FIRE RATED
SECTION 705 EXTERIOR WALLS:	705.5 FIRE-RESISTANCE RATING, EXTERIOR WALLS SHALL BE FIRE-RESISTANCE RATED ACCORDANCE WITH TABLE 601 AND 602 AND THIS SECTION. PER SECTION 705.5, THE REQUIRED FIRE-RESISTANCE RATING OF EXTERIOR WALL WITH A FIRE SEPARATION DISTANCE OF LESS THAN 10 FEET SHALL BE RATED FOR EXPOSURE TO FIRE ON BOTH SIDES.
SECTION 420 GROUPS 1-1, R-1, R-2 AND R-3:	420.2 SEPARATION WALLS. WALLS SEPARATING DWELLING UNITS AND WALLS SEPARATING SLEEPING UNITS IN THE SAME BUILDING AND WALLS SEPARATING DWELLING OR SLEEPING UNITS FROM OTHER OCCUPANCIES CONTIGUOUS TO THEM IN THE SAME BUILDING SHALL BE CONSTRUCTED AS FIRE PARTITIONS IN ACCORDANCE WITH SECTION 708. 420.3 HORIZONTAL SEPARATION. FLOOR ASSEMBLIES SEPARATING DWELLING UNITS IN THE SAME BUILDINGS, FLOOR ASSEMBLIES SEPARATING SLEEPING UNIT IN THE SAME BUILDING AND FLOOR ASSEMBLIES SEPARATING DWELLING OR SLEEPING UNITS FROM OTHER OCCUPANCIES SHALL BE CONSTRUCTED AS HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH SECTION 711.
SECTION 711.2.4.4 OTHER SEPARATIONS:	WHERE A HORIZONTAL ASSEMBLY IS REQUIRED BY OTHER SECTIONS OF THIS CODE, THE ASSEMBLY SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN THAT REQUIRED BY THAT SECTION.
SECTION 708 FIRE PARTITIONS:	708.1 GENERAL. THE FOLLOWING WALL ASSEMBLIES SHALL COMPLY WITH THIS SECTION. 1. WALLS SEPARATING SLEEPING UNITS IN THE SAME BUILDING AS REQUIRED BY SECTION 420.2 3. CORRIDOR WALLS AS REQUIRED BY SECTION 1020.1. 708.3 FIRE RESISTANCE RATING. FIRE PARTITION SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOUR. 708.4 CONTINUITY. FIRE PARTITIONS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY CEILING OR ROOF/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF/SHEATHINGS, SLAB OR DECK ABOVE OR TO THE FIRE-RESISTIVE RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY ABOVE, AND SHALL BE SECURELY ATTACHED THERETO.

LIFE SAFETY GENERAL NOTES	
A.	PREMISE IDENTIFICATION - SHALL BE MINIMUM 12 INCHES HIGH x 1 INCH WIDE STROKE AND SHALL CONTRAST WITH THEIR BACKGROUND AND SHALL BE VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY
B.	G.C. TO PROVIDE FIRE EXTINGUISHERS 2A-10-BC, 1 PER EACH 3,000 S.F., REF: FLOOR PLANS FOR QUANTITY, LOCATIONS AND TYPE.
C.	ALL PENETRATIONS THROUGH A FIRE RATED WALL ASSEMBLY TO BE FIRESTOPPED WITH THERMAFIBER AS MANUFACTURED BY THERMAFIBER, LLC, WABASH, 46992 OR OTHER APPROVED EQUAL.
D.	ALL EXIT SIGNS AND EMERGENCY LIGHTING SHALL HAVE BATTERY BACK-UP, REF: ELECTRICAL.

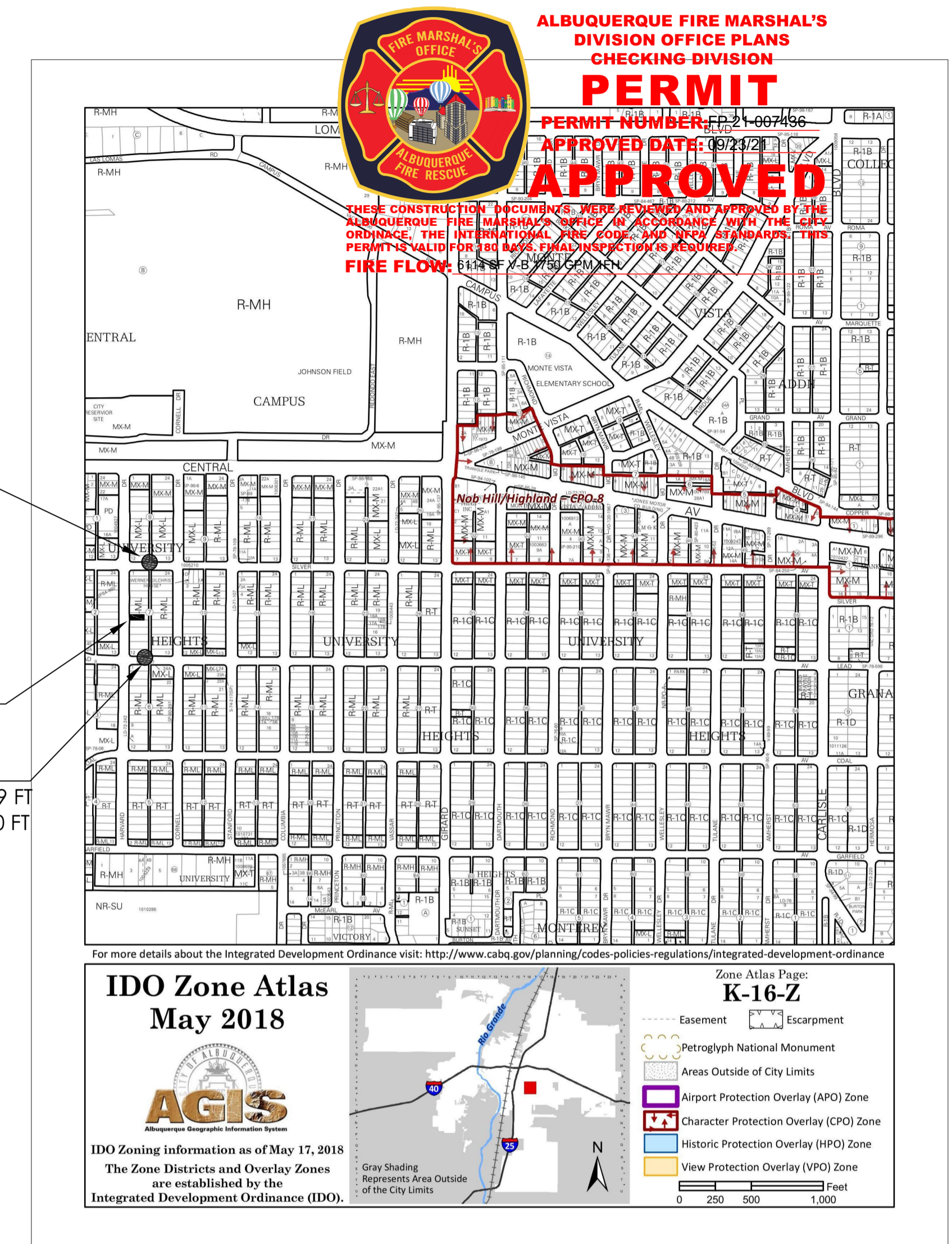
FIRE APPARATUS ACCESS ROADS NOTES:	
-FIRE APPARATUS ACCESS ROADS SHALL HAVE AN ASPHALT, CONCRETE, OR OTHER APPROVED DRIVING SURFACE CAPABLE OF SUPPORTING THE IMPOSED LOAD OF FIRE APPARATUS WEIGHING AT LEAST 75,000 POUNDS.	
-ENGINEERING DATA SHALL BE SUBMITTED TO SUBSTANTIATE WEIGHT BEARING CAPACITY AND ALL WEATHER DRIVING CAPABILITIES FOR FIRE APPARATUS ACCESS ROADS.	
- FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 10 PERCENT IN GRADE.	

FIRE RISER ROOM NOTES:	
FIRE RISER ROOM WITH FIRE RISER, G.C. TO SUBMIT FIRE SPRINKLER PLANS TO THE FIRE MARSHAL'S OFFICE FOR REVIEW AND APPROVAL.	
G.C. TO PROVIDE AND INSTALL AT FIRE RISER ROOM DOOR SIGNAGE STATING "FIRE RISER ROOM".	
G.C. TO PROVIDE AND INSTALL RECESSED KNOX BOX WITH KEY FOR FIRE DEPARTMENT ACCESS INTO FIRE RISER ROOM, MOUNT BOX 5'-0" HIGH A.F.F.	
FIRE DEPARTMENT CONNECTION (FDC) LOCATION. NOTE: FDC LOCATION TO BE WITHIN 100 FEET OF FIRE HYDRANT.	
FIRE LANE, PAINT TOP AND SIDE OF CURB RED WITH "FIRE LANE" IN WHITE PAINT.	

APPLICABLE CODES	
2015 New Mexico Commercial Building Code; 2012 New Mexico Electrical Code; 2009 State of New Mexico Energy Conservation Code; 2012 New Mexico Mechanical Code; 2012 New Mexico Plumbing Code; 2015 International Building Code (IBC) with local amendments; 2015 International Residential Code (IRC), with local amendments; 2012 International Fire Code (IFC), with local amendments; 2014 National Electrical Code, with local amendments; 2009 International Energy Conservation Code (IECC), with local amendments; 2012 International Mechanical Code, with local amendments; 2012 International Plumbing Code, with local amendments;	

EXISTING HYDRANT
DISTANCE TO SITE 402 FT
DISTANCE REQUIRED 450 FT

EXISTING HYDRANT
DISTANCE TO SITE 309 FT
DISTANCE REQUIRED 450 FT



EXISTING FIRE HYDRANTS LOCATIONS

KEYED NOTES	
1.	ONE HOUR RATED WALL
2.	KNOX BOX LOCATION BETWEEN 4' AND 6' A.F.F. ILLUMINATED AND IMMEDIATELY VISIBLE.
3.	PREMIS ID LOCATION COORDINATE WITH FIRE MARSHAL.
4.	FIRE LANE, PAINT CONC. CURB RED AND ADD SIGNAGE TO CURBS 5' HIGH WHITE LETTER "NO PARKING, FIRE LANE". TYP. EVERY 15' OVER 6" WIDE RED STRIPE. REF: FIRE ORD. 503.3.1.
5.	PIV LOCATION.
6.	ASPHALT PAVING OVER GRAVEL BASE COURSE. REF: GEO-TEST
7.	FIRE RISER ROOM WITH FIRE RISER, G.C. TO SUBMIT FIRE SPRINKLER PLANS TO THE FIRE MARSHAL'S OFFICE FOR REVIEW AND APPROVAL.
8.	G.C. TO PROVIDE AND INSTALL ROOM SIGNAGE AT FIRE RISER ROOM DOOR STATING "FIRE RISER ROOM".
9.	NEW 24"-10" G.C. PER FD C.O.A. STANDARDS, DWG 2430.
10.	NEW FIRE HYDRANT
11.	FDC VALVE

BUILDING DESIGN CRITERIA	
VERTICAL:	LIVE LOAD
	ROOF = 20 PSF
	FLOOR = 40 PSF
SNOW LOAD:	
	GROUND SNOW LOAD = 20 PSF
	ROOF SNOW LOAD = 20 PSF
	SLOPED ROOF SNOW LOAD = 20 PSF
HORIZONTAL:	WIND**
	BASIC WIND SPEED = 115 MPH
	IMPORTANCE FACTOR = 1.0
	EXPOSURE = C
SEISMIC:	
	SEISMIC DESIGN CATEGORY = D
	SEISMIC USE GROUP = 1
	SOIL PROFILE = CLASS C
	IMPORTANCE FACTOR = 1.0
** ALLOWABLE 1/3 STRESS INCREASE FOR WIND	
ALLOWABLE SOIL BEARING PRESSURE:	QA = 2600 PSF

HARVARD APARTMENTS
FIRE 1 SITE PLAN
214 HARVARD DR SE, ALBUQUERQUE, NM
PROJECT #2008

REVISION DATE 9/20/2021 PER FIRE DEPT. REVIEW	STATE OF NEW MEXICO RICHARD P. BENNETT No. 1240 9/20/2021 REGISTERED ARCHITECT
DATE 09/20/2021	
SHEET NUMBER FIRE -1	