# **420 STATE STREET APARTMENT**

## 420 State Street Madison, WI

PROJECT NO. NCI-22-01 4-1-2022 PLAN REVIEW DOCUMENTS

#### REGULATORY INFORMATION

APPLICABLE CODE: WISCONSIN UNIFORM DWELLING CODE WORK AREA: 1,962 SF FIRST FLOOR OCCUPANCY: COFFEE SHOP, SINGLE UNIT HORIZONTAL SEPARATION: PLASTER ON LATHE CEILING BELOW, MIN. 1HR # EXITS: 2 (STAIR + BALCONY) BEDROOMS: 5

#### **GENERAL NOTES:**

- 1. 1/2" GWB CEILINGS THROUGHOUT
- 2. ABOVE CEILING INSULATION, R-38 MIN, VAPOR RETARDER ON WARM SIDE OF INSULATION
- 3. EXTERIOR WALL INSULATION @ NORTH AND SOUTH END WALLS: R-13 MIN, VAROR RETARDER ON WARM SIDE OF INSULATION
  4. INSULATION AT PARTY WALLS: RECOMMENDED, PARTY WALLS MAY BECOME EXPOSED IN FUTURE YEARS. R-13 MIN, VAPOR RETARDER ON WARM SIDE OF INSULATION, RUN PLUMBING INSIDE OF INSULATION.
  5. ACOUSTICAL BATT INSULATION IN ALL PARTITIONS EXCEPT TRASH/RECYCLING ROOM
  6. PARTITIONS TO BE 2X4, 16" D.C., 5/8" GWB EA. SIDE, FLOOR TO UNDERSIDE OF STRUCTURE
  7. FURRING TO BE 2X4 WITH 5/8" GWB, 1" GAP FOR ELECTRICAL RUNS

#### **Design Team**

#### ARCHITECT:

ARO EBERLE ARCHITECTS INC. 116 KING STREET, SUITE 202 MADISON, WI 53703 EMAIL: ARO@AROEBERLE.COM

#### STRUCTURAL ENGINEER:

DC ENGINEERING MADISON, WI CONTACT: JOE CHAPMAN, PE PH: (608) 416-1041 EMAIL: JCHAPMAN@DCENGINEERING.NET

#### **Sheet List**

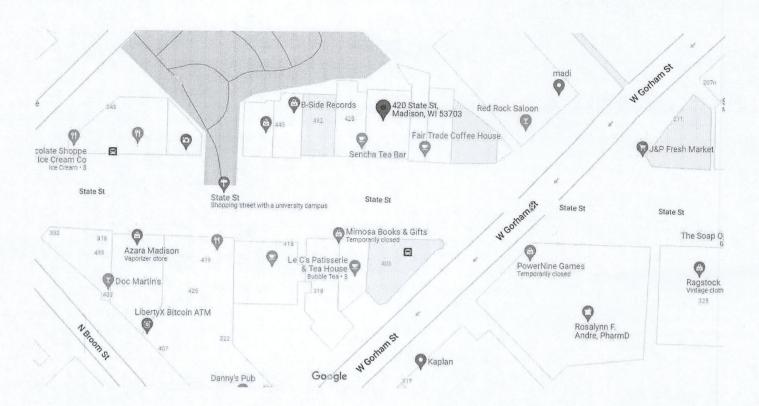
#### ARCHITECTURAL

T000 - COVER SHEET D101 - DEMOLITION PLAN A100 - SITE PLAN A101 - SECOND FLOOR PLAN A102 - FURNITURE PLAN A103 - DETAILS + DOOR SCHEDULE A104 - DETAILS

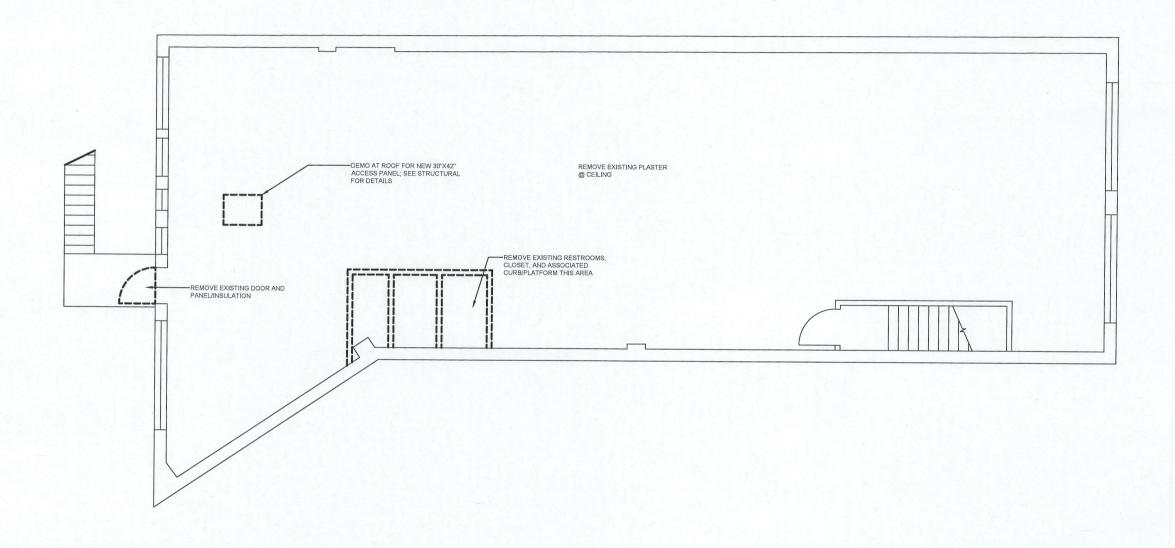


S000 - STRUCTURAL SPECIFICATIONS S101 - ROOF FRAMING PLAN

S201 - DETAILS



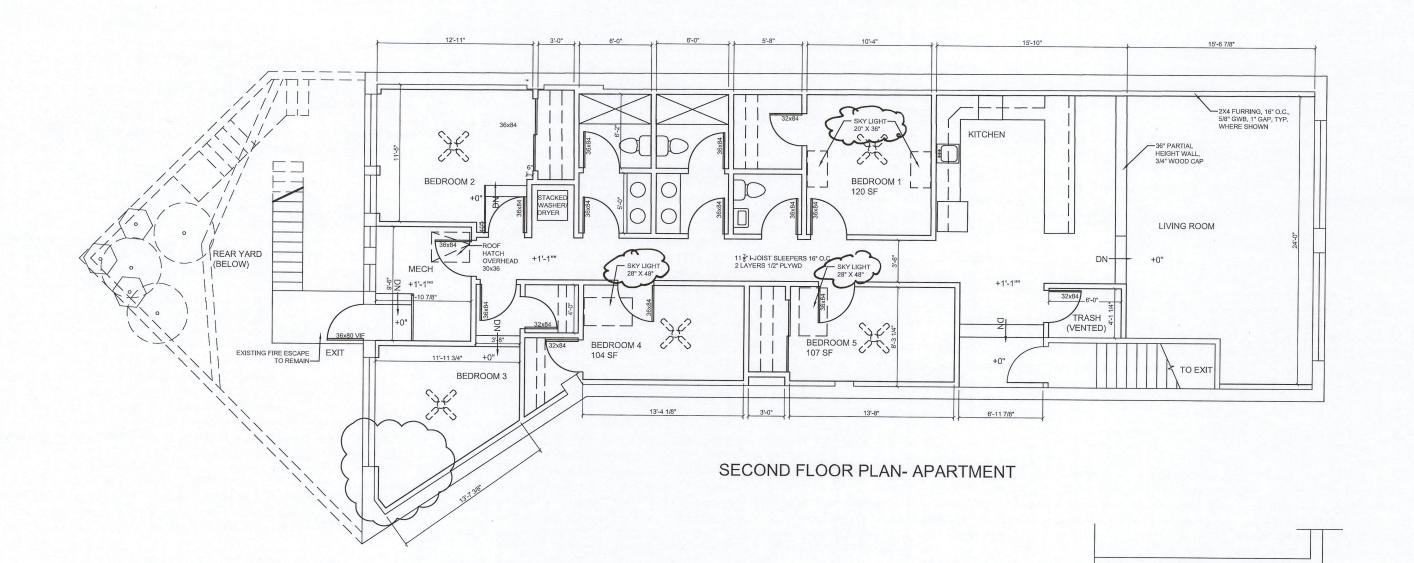
**Project Location Map** 





420 State Street, Madison, WI

No.	Description	Date	Demolition	n Plan	
			Project number	NCI-22-01	
			Date	4/1/2022	D101
			Scale	1/8" = 1'-0"	D101
			Project Phase	PLAN REVIEW DOCUMENTS	





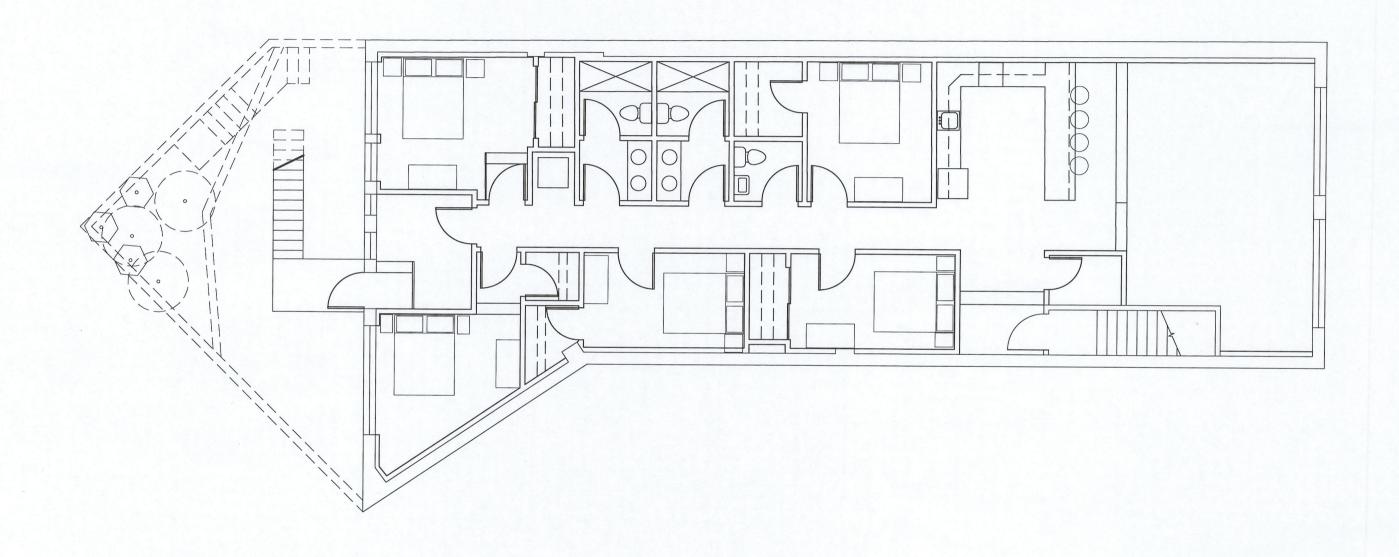
36" DOOR EXIT



NATIONAL CONSTRUCTION INC. 420 State Street Apartment

420 State Street, Madison WI

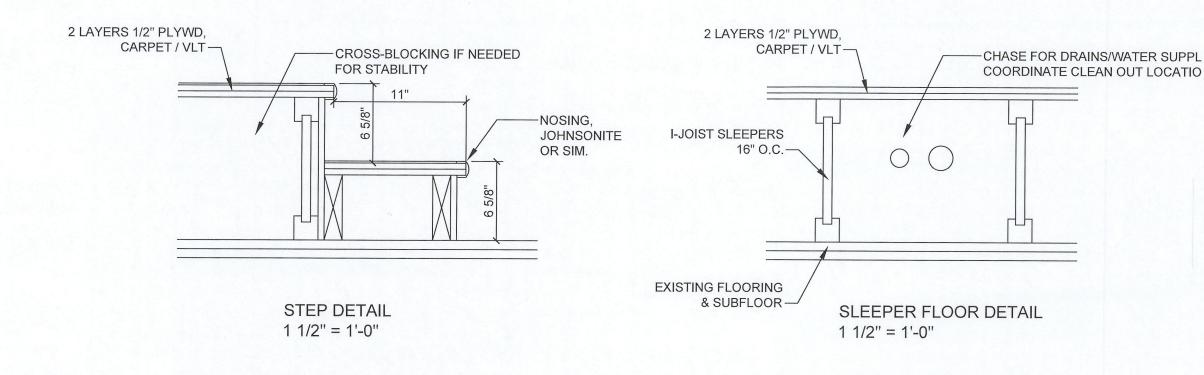
No.	Description	Date			
01	SKYLIGHT REVISIONS	4/27/22	FLOOR P	LAN	
			Project number	NCI-22-01	
			Date	4/7/2022	110
			Scale	1/8" = 1'-0"	A101
			Project Phase	PLAN REVIEW DOCUMENTS	





420 State Street, Madison, WI

No.	Description	Date	Furniture	e Layout	
			Project number	NCI-22-01	
			Date	4/1/2022	1100
			Scale	1/8" = 1'-0"	A102
			Project Phase	PLAN REVIEW DOCUMENTS	



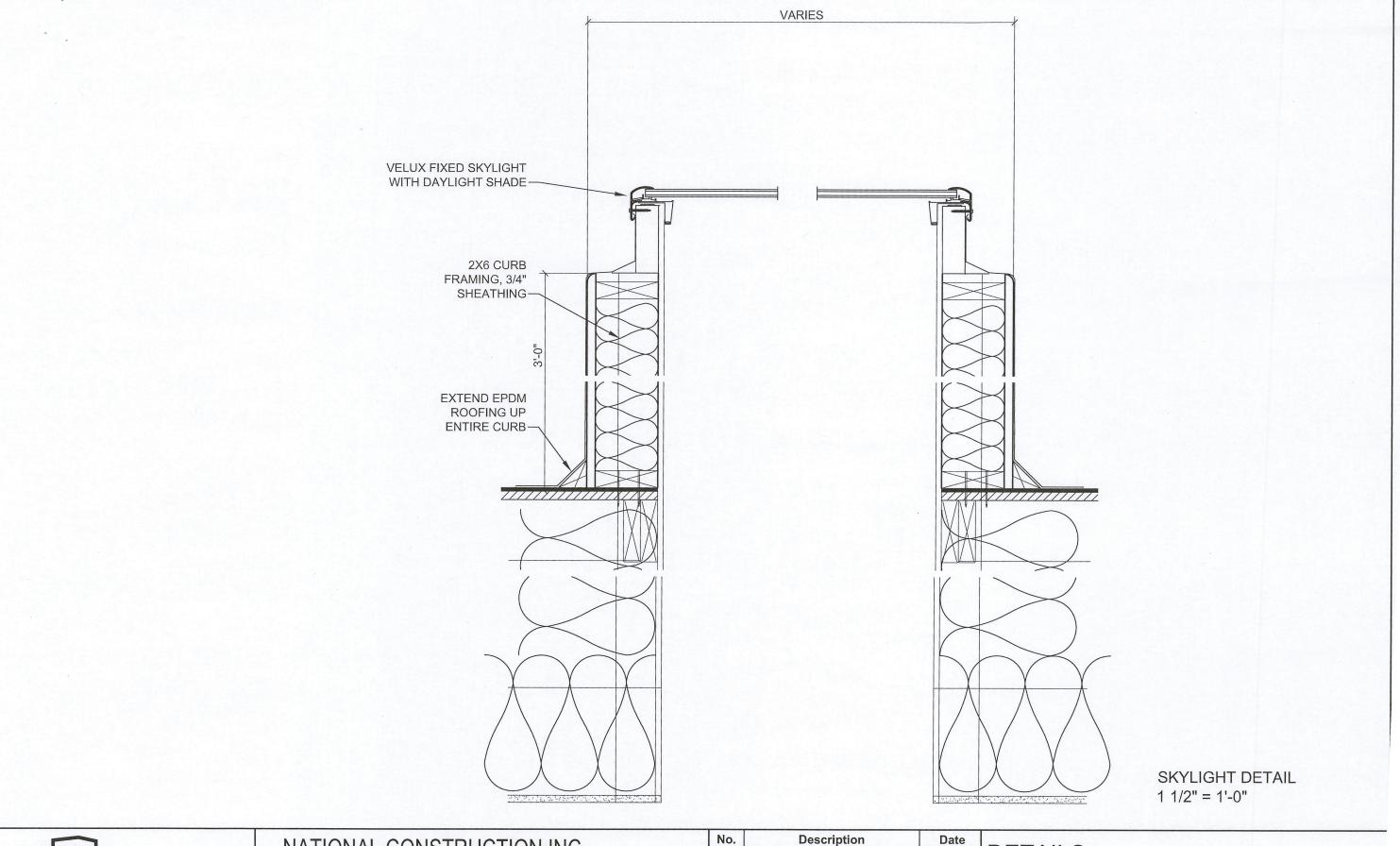
Y					DC	OOR A	AND	HARD	WAR	E SCI	HEDU	LE			
			DO	OR					FR	AME			MISCEI	LLANEOUS	REMARKS
DOOR LOCATION	SI	ZE	TYPE	MAT'L	GLASS	COLOR	TYPE	MAT'L		DETAILS		COLOR	LABEL	HDWR SET	
	WDTH	HEIGHT							HEAD	JAMB	SILL	JOSEON	LADLL	IIDWK 3L1	
BEDROOM	3'-0"	7'-0''	2 PNL	WOOD	-	WHITE		WD				WHITE		PRIVACY W/ BOLT	
BATHROOM	3'-0"	7'-0"	2 PNL	WOOD		WHITE		WD				WHITE		PRIVACY	
TRASH ROOM	2'-8"	7'-0"	2 PNL	WOOD	-	WHITE		WD				WHITE		PASSAGE	
FRONT EXT DOOR	3'-0"	7'-0" VIF	MEDIUM STILE	ALUM	TOP ONLY, INSULATED PANEL LOWER	MED BRONZE		ALUM				MED BRONZE		ENTRY/PULL & INT. PUSH PLATE; CLOSER; ELEC STRIKE	TEMPERED GLASS; VIF = VERIFY HEIGHT IN FIELD
EGRESS DOOR- REAR	3'-0"	7'-0" VIF	EXTERIOR	INSULATED HM	-	MATCH BRICK		INSULATED HM				MATCH BRICK		EXT: PULL ONLY INT: PUSH PLATE EGRESS; DEAD BOLT, CLOSER	VIF = VERIFY HEIGHT IN FIELD
LAUNDRY ROOM	3'-0"	7'-0"	2 PNL	WOOD	-	WHITE		WD				WHITE		PASSAGE	



420 State Street, Madison WI

No.	Description	Date	DETAILS	
			Project number	NCI-22-01
			Date	4/1/2022
			Scale	AS NOTED
			Project Phase	PLAN REVIEW DOCUMENTS

A103

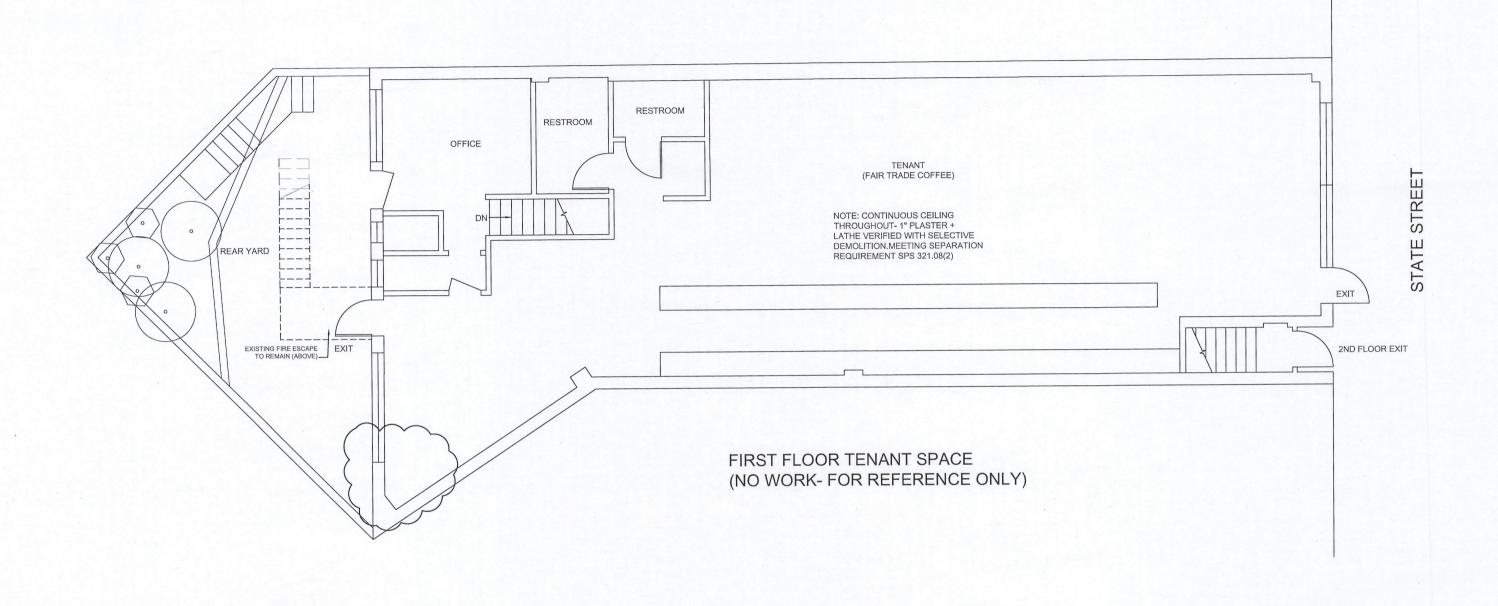




420 State Street, Madison WI

140.	Description	Date	DETAILO		
1		5/2/2022	DETAILS		
			Project number	NCI-22-01	
			Date	4/1/2022	
			Scale	AS NOTED	
			Project Phase	PLAN REVIEW DOCUMENTS	

A104





420 State Street, Madison WI	

No.	Description	Date	FLOOR F	PLAN
			Project number	NCI-22-01
			Date	4/21/2022
			Scale	1/8" = 1'-0"
			Project Phase	PLAN REVIEW DOCUMENTS

A120

#### COORDINATION

- THE CONSTRUCTION DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING ELEVATIONS SHOWN ON THESE DRAWINGS PRIOR TO CONSTRUCTION, DO NOT SCALE PLANS.
- CONTRACTOR TO REPORT IN WRITING ANY OMISSIONS AND/OR DISCREPANCIES ON DRAWINGS AND/OR SPECIFICATIONS TO THE ARCHITECT PRIOR TO PROCEEDING.
- REFER TO ARCHITECTURAL PLANS FOR FINISH FLOOR ELEVATIONS, FLOOR DEPRESSIONS, OPENINGS, SLOPES, DRAINS, CURBS, PADS. EMBEDDED ITEMS, NON-BEARING PARTITIONS, STAIR HANGERS, ETC. COORDINATE THESE ITEMS WITH STRUCTURAL WORK.
- REFER TO MECHANICAL AND ELECTRICAL PLANS FOR SLEEVES. OPENINGS, HANGERS FOR PIPES, DUCTS, AND EQUIPMENT. COORDINATE THESE ITEMS WITH STRUCTURAL WORK.

#### MISC.

A. DO NOT SCALE THE DRAWINGS.

#### **DESIGN LOADING CRITERIA**

- APPLICABLE BUILDING CODES:
  - 2015 INTERNATIONAL BUILDING CODE (IBC): REFERENCED IN DRAWINGS AS "ADOPTED BUILDING CODE"
  - ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER **STRUCTURES**
- RISK CATEGORY: II
- DEAD LOADS: SELF WEIGHT OF THE STRUCTURE PLUS A MAXIMUM COLLATERAL LOADS OF:
  - SPRINKLERS = 1.0 PSF
  - MECHANICAL DUCTS = 1.0 PSF
  - ELECTRICAL CONDUIT = 1.0 PSF
- D. LIVE LOADS
  - FLOOR LIVE LOADS
    - RESIDENTIAL = 40 PSF
  - ROOF LIVE LOADS
    - CONSTRUCTION = 20 PSF (REDUCIBLE)
- SNOW LOAD DATA
  - SNOW IMPORTANCE FACTOR = 1.0
  - THERMAL FACTOR = 1.0
  - SNOW EXPOSURE FACTOR, Ce = 0.9
  - GROUND SNOW LOAD: Pa = 30 PSF
  - FLAT ROOF SNOW LOAD: Pf = 30 PSF
  - SLOPED ROOF SNOW LOAD: Ps = 30 PSF
  - DRIFTING, SLIDING AND UNBALANCED SNOW LOADS: IN ACCORDANCE WITH ASCE 7

#### DESIGN LOADING CRITERIA (CONT)

- WIND LOAD DATA
- WIND EXPOSURE CATEGORY = C
  - ULTIMATE DESIGN WIND SPEED: Vult = 115 MPH, 3 SECOND GUST
- NOMINAL DESIGN WIND SPEED: Vasd = 90 MPH, 3 SECOND GUST
- APPLICABLE INTERNAL PRESSURE COEFFICIENT: GCni = +/- 0.18
- COMPONENT AND CLADDING WIND LOADS: NET DESIGN WIND PRESSURE, pnet
  - ZONE 1 = 23.8 PSF
  - ZONE 2 = 39.9 PSF
  - **ZONE 3 = 60.1 PSF**
  - **ZONE 4 = 25.8 PSF**
  - ZONE 5 = 31.9 PSF

#### WOOD

- A. GENERAL
  - LUMBER FRAMING SHALL CONFORM TO ADOPTED BUILDING CODE CHAPTER FOR "WOOD" AND THE FOLLOWING:
    - NDS-2015 NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION WITH 2015 SUPPLEMENT.
    - SDPWS-2015 SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC
- B. LUMBER GRADE
  - SAWN LUMBER FRAMING SHALL BE SPRUCE-PINE-FIR (SPF) OF THE GRADES INDICATED OR BETTER (WWPA GRADING RULES):
  - 4x BEAMS AND POSTS = NO.1/NO. 2
  - 6x AND LARGER BEAMS AND POSTS = NO. 1
  - 2x AND 4x JOISTS AND RAFTERS = NO.1/NO. 2
  - 2x AND 3x STUDS = NO.1/NO.2
  - MISC. FRAMING NOT NOTED = NO.1/NO. 2
- PRESSURE TREATED LUMBER
  - ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY OR EXPOSED TO WEATHER AND SUBJECT TO DECAY, SHALL BE PRESSURE TREATED DOUGLAS FIR #2 OR BETTER.
  - TREATMENT SHALL BE ACCORDING TO CURRENT AMERICAN WOOD PRESERVERS ASSOCIATION STANDARDS.
  - ALL FASTENERS IN PRESSURE TREATED, EXPOSED TO WEATHER, AND FIRE TREATED LUMBER SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. THE COATING WEIGHTS FOR ZINC COATED FASTENERS SHALL BE IN ACCORDANCE WITH ASTM A153 AND THE ADOPTED BUILDING CODE SECTION.
    - a. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS ARE PERMITTED IN SBX/DOT AND ZINC BORATE PRESERVATIVE-TREATED WOOD IN INTERIOR, DRY ENVIRONMENTS.

No.

Description





#### DC ENGINEERING

Careful listening. Dynamic solutions. www.dcengineering.net

Phone:608.416.1041 Project:22AEB01

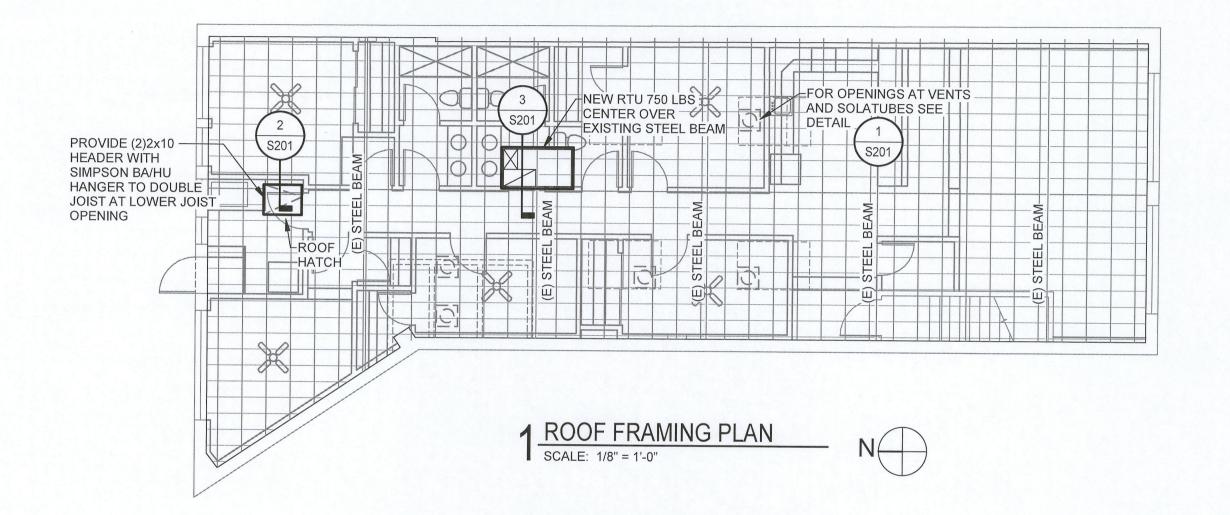


### NATIONAL CONSTRUCTION INC. 420 STATE STREET APARTMENT

420 State Street, Madison WI

	STRUCT	URAL SPECIFIC	CATIONS
	Project number	NCI-22-01	
	Date	4/4/2022	0000
	Scale	AS NOTED	S000
4	Project Phase	PLAN REVIEW DOCUMENTS	

Date



NOTE: CONTRACTOR TO COORDINATE REPAIRS TO EXISTING ROOF JOISTS ON CASE BY CASE BASIS WITH STRUCTURAL ENGINEER.





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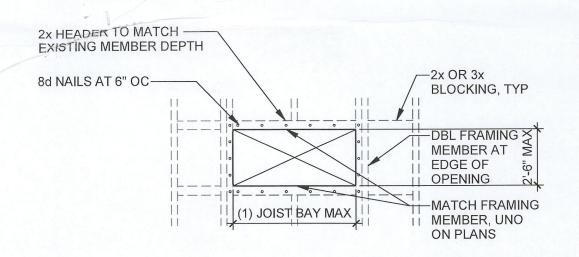
Phone:608.416.1041 Project:22AEB01



### NATIONAL CONSTRUCTION INC. 420 STATE STREET APARTMENT

420 State Street, Madison WI

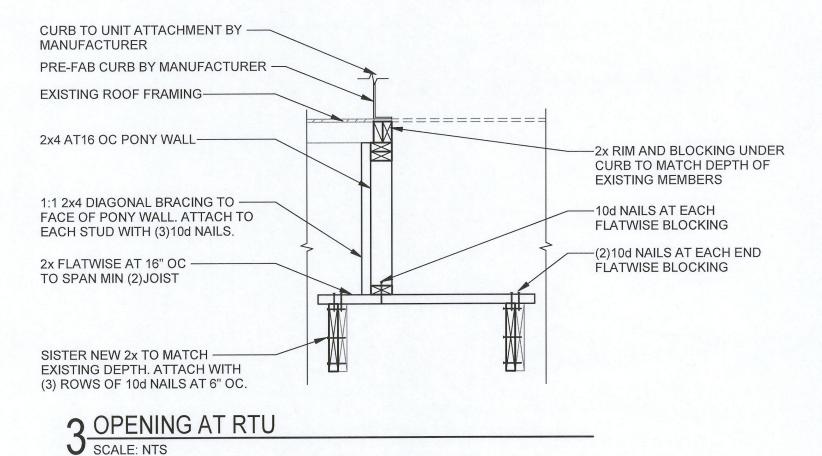
No.	Description	Date	ROOF FI	RAMING PLAN	
			Project number	NCI-22-01	
			Date	4/4/2022	S101
			Scale	AS NOTED	3101
			Project Phase	PLAN REVIEW DOCUMENTS	



-2x RIM AND BLOCKING UNDER **EXISTING ROOF FRAMING** CURB TO MATCH DEPTH OF **EXISTING MEMBERS** 2x4 AT16 OC PONY WALL 1:1 2x4 DIAGONAL BRACING TO 10d NAILS AT 12" OC TO MEMBER BELOW FACE OF PONY WALL. ATTACH TO EACH STUD WITH (3)10d NAILS. (2)2x ALIGNED UNDER PONY WALL. HANG FROM (2)2x10 HEADER WITH SIMPSON BA/HU/HUC HANGER SISTER NEW 2x TO MATCH EXISTING DEPTH. ATTACH WITH (3) ROWS OF 10d NAILS AT 6" OC.

**1** MINOR OPENING IN ROOF SHEATHING

2 OPENING AT ROOF HATCH SCALE: NTS







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S201



NATIONAL CONSTRUCTION INC. **420 STATE STREET** 

420 State Street, Madison WI

Γ APARTMENT	-

No.	Description	Date	DETAILS	
			Project number	NCI-22-01
			Date	4/4/2022
			Scale	AS NOTED
			Project Phase	PLAN REVIEW DOCUMENTS