470 BELLEVILLE TURNPIKE

NORTH ARLINGTON, NJ LOTS 16 & 17 BLOCK: 129

PROPOSED NEW SHOW-ROOM IN AN EXISTING GRANITE KITCHEN COUNTERTOP FACILITY.

IBC 2021Section 1203.1: General. Buildings shall be provided with natural ventilation in accordance with Section 1203.4, or mechanical ventilation in accordance with the International Mechanical Code.
Where the air infiltration rate in the dwelling unit is less than 5 air changes per hour when tested with the blower door at a pressure of 0.2 inch w.c. (50 Pa) in accordance with Section 402.4.1.2 of the International Energy Conservation Code-Residential Provisions, the dwelling unit shall be ventilated by mechanical means in accordance with Section 403 of the International Mechanical Code.

NJUCC 2021 REQUIREMENTS	
USE GROUP	B & S-1
CONSTRUCTION TYPE	3 B
HEIGHT OF STRUCTURE	32'-8"
NUMBER OF STORIES	2
1ST FLOOR SHOWROOM	945.0 SF
MEZZANINE SHOWROOM	945.0 SF
TOTAL AREA	1,890.0 SF
VOLUME	18,900.0 C.F

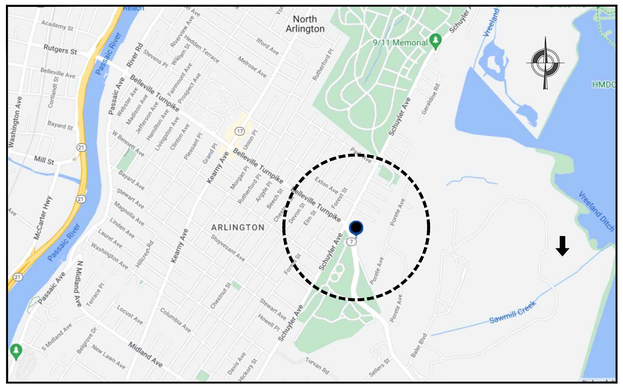
DESIGN LOADS			
LBS./S.F.	LIVE LOAD	DEAD LOAD	TOTAL
FIRST FLOOR	100	50	150
MEZZANINE	80	20	120
ROOF	30	15	45
WIND LOAD	BASIC WIND SPEED 115 MPH Vult R301.2.1		
SNOW LOAD	35 PSF / GSL R301.2.3 & R301.2 (6)		

APPLICABLE CODES
• 2021 IRC New Jersey Edition • 2021 N.J.A.C 5:23-6 Rehabilitation Sub Code • 2020 National Electrical Code • 2021 National Standard Plumbing Code • 2021 International Fuel Gas Code • 2021 IECC Energy Subcode

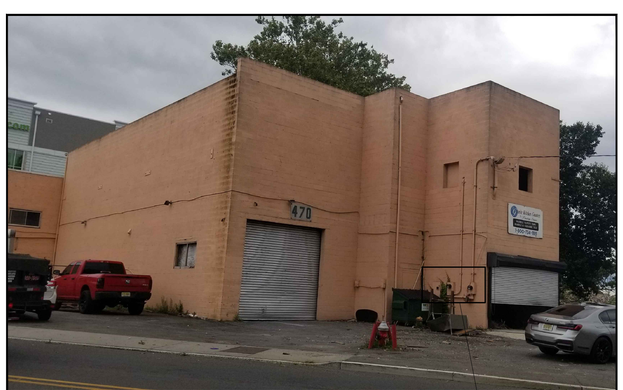
811 Know what's below. Call before you dig.
CGA Common Ground Alliance



ZONING MAP C-2 COMMERCIAL DISTRICT



KEY MAP



STREET VIEW

EXISTING ELECT.METERS AND PANEL TO BE RELOCATED

MULTI-ZONE | MSZ-EF | HEAT PUMP

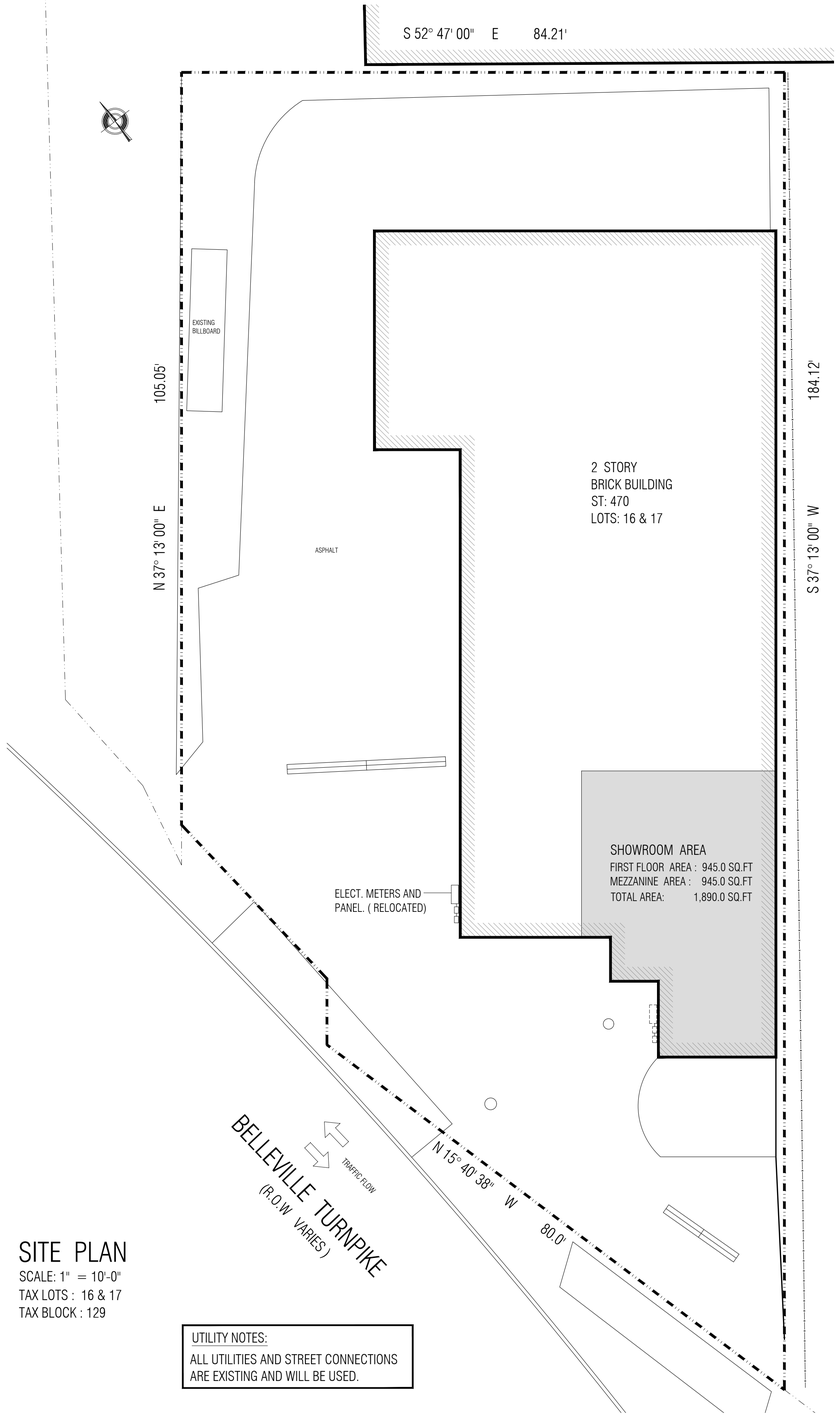
(FOR MXZ-C OUTDOOR UNITS)

Model Name	Indoor Unit		MSZ-EF09NAW(S)/(B)	MSZ-EF12NAW(S)/(B)	MSZ-EF15NAW(S)/(B)	MSZ-EF18NAW(S)/(B)
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	14,000	17,200
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	14,400	18,000	21,600
Power Supply *3	Phase, Cycle, Voltage		1-phase, 60Hz, 208/230V			
Voltage	Indoor-Outdoor S1–S2		AC 208/230V			
	Indoor-Outdoor S2–S3		DC ±24V			
	MCA	A	1.0			
Fan	Blower Motor	F.L.A.	0.67			
	Airflow at Cooling (Quiet→Lo→Med→Hi→Super Hi) *1	DRY (CFM)	141-162-222-293-371	141-162-222-293-371	205-233-272-314-364	206-240-279-328-388
		WET (CFM)	121-140-191-252-319	121-140-191-252-319	176-200-234-270-313	176-206-240-282-334
	Airflow at Heating (Quiet→Lo→Med→Hi→Super Hi) *2	DRY (CFM)	141-162-219-314-420	141-162-219-314-448	194-222-275-350-448	226-258-318-392-466
Sound Pressure Level at Cooling (Quiet→Lo→Med→Hi→Super Hi) *1		dB(A)	21-23-29-36-42	21-24-29-36-42	28-31-35-39-42	30-33-36-40-43
Sound Pressure Level at Heating (Quiet→Lo→Med→Hi→Super Hi) *2		dB(A)	21-24-29-37-45	21-24-30-38-46	28-30-35-41-48	30-33-37-43-49
External Finish Color			W: Munsell 1.0Y 9.2/0.2 S: Munsell 3.1YB 8.2/0.2 B: Munsell 3.7PB 2.0/0.1			
Dimension Unit		W. In.	34-13/16			
		D. In.	7-11/16			
		H. In.	11-3/4			
Weight Unit		Lbs.	26			
Field Drain-pipe Size O.D.		In.	5/8			
Remote Controller	Type		Compatible with multiple controls options including kumo cloud®			
Refrigerant	Type		R410A			
Refrigerant Pipe	Gas Side O.D.	In.	3/8	1/2		
	Liquid Side O.D.	In.	1/4			
Connection Method	Indoor / Outdoor		Flared / Flared			

MULTI-ZONE | MXZ-C | HEAT PUMP

Model Name	Outdoor Unit		MXZ-2C20NA2 *5	MXZ-3C24NA2 *5	MXZ-3C30NA2	MXZ-4C36NA2 *6	MXZ-5C42NA2
Indoor Unit	Cooling *1 Non-ducted/ Ducted	Rated Capacity	Btu/h	18,000/20,000	22,000/23,000	28,400/27,400	35,400/34,400	40,500/37,500
		Capacity Range	Btu/h	5,700~20,000	12,600~22,300/ 12,600~25,500	12,600~28,400/ 12,600~27,400	12,600~36,400/ 12,600~34,800	6,000~43,000
		Rated Total Input	W	1,417/2,000	1,620/2,130	2,680/2,540	3,790/3,940	4,402/4,112
	Heating at 47° F *2 Non-ducted/ Ducted	Rated Capacity	Btu/h	22,000	25,000/24,500	28,600/27,600	36,000/34,400	45,000/41,000
		Capacity Range	Btu/h	7,400 ~ 25,000	11,400~20,600/ 11,400~29,600	11,400~36,000/ 11,400~35,000	11,400~43,000/ 11,400~41,400	7,200~53,600
		Rated Total Input	W	1,641/ 1,771	1,755/1,930	2,150/2,220	3,020/3,100	3,370/3,463
	Heating at 17° F *3 Non-ducted/ Ducted	Rated Capacity	Btu/h	12,500/ 13,500	14,000/14,300	16,000/15,100	22,200/20,300	24,400/23,000
		Maximum Capacity	Btu/h	15,500/16,500	19,600/19,300	21,000/21,000	28,000/26,600	30,500/29,100
		Rated Total Input	W	1,300/1,200	2,120/2,230	2,120/2,140	3,340/3,400	2,943/2,869
	Heating at 0° F *4	Maximum Capacity	Btu/h	11,100/10,900	18,200	19,200	24,000	26,000
Power Supply *7	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V					
Voltage	Indoor-Outdoor S1–S2		AC 208 / 230V					
	Indoor-Outdoor S2–S3		DC ±24V					
Outdoor Unit *4	MCA	A	17.2	22.1		22.1		32.5
	MOCP	A	20	25				40
	Fan Motor (ECM)	F.L.A.	1.77	2.43				
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary					
		R.L.A.	10.7	12				20
		L.R.A.	15.5	13.7				28.8
	Airflow (Cooling/Heating)	CFM	1,340/1,458	2,068/1,805		1,360/1,605		2,118/2,542
	Refrigerant Control		Linear Expansion Valve					
	Defrost Method		Reverse Cycle					
	Sound Pressure Level at Cooling *1	dB(A)	50	51	52	54		56
	Sound Pressure Level at Heating *2	dB(A)	54	55	56			58
	External Finish Color		Munsell No. 3.0Y 7.8 / 1.1					
	Dimensions	W. In.	33-1/16	37-13/32				
		D. In.	13					
		H. In.	27-13/16	31-11/32				41-9/32
	Weight	Lbs.	126	137	137	139		189
Indoor Unit	No. of Units		2	2, 3		2, 3, 4		2,3,4,5
Remote Controller	Type		Associated with the Indoor Unit					
Refrigerant	Type		R410A					
	Charge	Lbs., Oz.	3, 13	6, 13				8, 13
	Oil	Type (fl. oz.)	ND22Z (20.3)	FV50S (24.7)				FV50S (37.4)
Refrigerant Pipe	Gas Side O.D.	In.	A, B: 3/8	A: 1/2; B: C: 3/8		A: 1/2; B, C, D: 3/8		A: 1/2; B,C,D,E: 3/8
	Liquid Side O.D.	In.	1/4					
Max Refrigerant Line Length		Ft.	164	230				
Max. Piping Length for Each Indoor Unit			82					
Max. Refrigerant Lift	If IDU is Above ODU	Ft.	49					
Pipe Height Difference	If IDU is Below ODU	Ft.	33	49				
Connection Method	Indoor/Outdoor		Flared/Flared					

NOTES: Test conditions are based on AHRI 210/240. One indoor unit is turned off during low-speed testing under the new test conditions. Systems actually exhibit higher energy efficiencies during normal operation.
*1. Rating conditions (cooling) – Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).
*2. Rating conditions (heating) – Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).
*3. Rating conditions (heating) – Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 17° F (-8° C), W.B. 15° F (-9° C).
*4. Refer to pages 47–55 for Indoor Unit specifications.
*5. Data from combination of two Indoor Units 6,000 Btu/h and one 9,000 Btu/h (non-ducted) or three 9,000 Btu/h (ducted).
*6. Data from combination of four Indoor Units 9,000 Btu/h (non-ducted and ducted).
*7. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
Specifications are subject to change without notice.
LIMITED WARRANTY | Five years parts and seven years compressor.



SITE PLAN
SCALE: 1" = 10'-0"
TAX LOTS : 16 & 17
TAX BLOCK : 129

UTILITY NOTES:
ALL UTILITIES AND STREET CONNECTIONS ARE EXISTING AND WILL BE USED.

GENERAL NOTES:

1. THESE DRAWINGS ARE THE PROPERTY OF THE ARCHITECT. THE ARCHITECT IS THE SOLE INTERPRETER OF THESE DOCUMENTS. ANY RE-USE OF THESE DOCUMENTS WITHOUT WRITTEN APPROVAL OF THE ARCHITECT IS NOT ALLOWED.

2. ALL CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR ADHERING TO THE REQUIREMENTS AS SPELLED OUT IN THESE NOTES. ALL PARTIES MUST CAREFULLY STUDY ALL NOTES FOR ITEMS WHICH MAY PERTAIN TO THEIR TRADES. FAILURE TO READ THESE NOTES DOES NOT PERMIT CONTRACTOR TO DEVIATE FROM THEIR REQUIREMENTS, UNLESS THE ARCHITECT HAS GIVEN WRITTEN APPROVAL. ALL QUESTIONS WILL BE ANSWERED BY THE ARCHITECT.

3. CONTRACTORS/SUBCONTRACTORS SHALL NOT SCALE ANY DRAWING.

4. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND CHECK ALL MEASUREMENTS ON JOB AND SHALL BE RESPONSIBLE FOR SAME.

5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT BUILDING CODE. DEMOLITION PERMITS MUST BE SECURED BEFORE ANY WORK IS DONE.

6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND ARCHITECTURAL DRAWINGS.

7. ALL OPENINGS IN WALLS, FLOORS, ROOF, ETC., TO BE LOCATED AND SIZED AS PER MECHANICAL AND ARCHITECTURAL REQUIREMENTS, EVEN IF NOT SHOWN AS SUCH ON STRUCTURAL AND ARCHITECTURAL.

8. ALL WALLS SHALL BE ADEQUATELY BRACED UNTIL THE ENTIRE STRUCTURAL FRAME HAS BEEN INSTALLED AND IS STRUCTURALLY SOUND.

9. CONTRACTOR SHALL FOLLOW ACCEPTED TRADE PROCEDURES AND MANUFACTURER'S STANDARDS AND SHALL PRODUCE THE PROJECT IN A GOOD AND WORKMAN-LIKE MANNER. ALL MATERIALS ARE TO BE NEW AND CONTRACTOR SHALL NOT SUBSTITUTE ANY STRUCTURAL GRADE MATERIALS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT.

10. ALL CONTRACTORS AND SUBCONTRACTORS ON THIS PROJECT SHALL BE RESPONSIBLE FOR THE PROPER PERFORMANCE OF THEIR WORK. COORDINATION WITH OTHER TRADES, METHODS, SAFETY AND SECURITY ON THE JOB SITE. THE ARCHITECT AND HIS AGENTS AND EMPLOYEES ARE NOT RESPONSIBLE OR LIABLE FOR THE ABOVE AND SHALL BE HELD HARMLESS AND INDEMNIFIED BY ALL CONTRACTORS AND SUBCONTRACTORS FROM ANY AND ALL CLAIMS, LOSSES, SUITS, AND LEGAL ACTION WHATSOEVER ARISING FROM THE PERFORMANCE OF WORK ON THIS PROJECT.

11. ALL ELECTRICAL, PLUMBING, HEATING AND AIR-CONDITIONING WORK SHALL BE FILED WITH THE CITY AND INSTALLED BY LICENSED CONTRACTORS.

12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE SITE PRIOR TO BID IN ORDER TO FAMILIARIZE HIMSELF WITH ON-SITE.

13. SMOKE DETECTORS TO BE A/C HARD WIRED INTERCONNECTED WITH RECHARGEABLE BATTERY BACK-UP.

14. REFER TO MANUF. SPECS. FOR ALL INSTALLATIONS.

SCOPE OF DOCUMENT:

THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPT: THE DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS AND THE TYPE OF STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS.

AS SCOPE DOCUMENTS, THE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL THE WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE GENERAL SCOPE INDICATED OR DESCRIBED. THEREFORE, CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE PROJECT.

AS PER THE WORK ITEMS INCLUDED WITHIN THIS DOCUMENT; THE ARCHITECTS DECISIONS ON THESE ITEMS SHALL BE FINAL AND BINDING ON THE OWNER AND CONTRACTOR.

NOTES

1. ALL INTERIOR FINISHES ARE TO BE CHOSEN BY THE OWNER.
2. THE MIN. HEADROOM IN ALL PARTS OF A STAIRWAY SHALL NOT BE LESS THAN 6'-8" MEASURED VERTICALLY FROM THE TREAD NOSING OR FROM THE FLOOR SURFACE OF THE LANDING OR PLATFORM. ALL STAIRS TREAD MIN. 11", STAIR RISER MAX. 7".
3. VERIFY CLEARANCES AND DIMENSIONS WITH MANUFACTURER.
4. ANY AND ALL REVISIONS TO THE STRUCTURE MUST BE SIGNED AND SEALED BY A LICENSED ENGINEER AND APPROVED BY THE ARCHITECT.
5. ALL WOOD TO BE DOUGLAS FIR LARCH NO. 2 WITH:
   F = 1250 PSI (SINGLE)
   F = 1450 PSI (REPET.)
   F = 95 PSI (SHEAR)
   F = 1050 PSI (COMP.)
   E = 1,700,000 PSI
6. ALL LINTELS ARE TO HAVE 1/2" PLYWOOD FILLER. (TYPICAL - ALL WINDOWS & DOORS - ENTIRE BUILDING
7. ALL CONNECTIONS TO BE MADE WITH MECHANICAL FASTENERS BY SIMPSON OR APPROVED EQUAL

SEAL:

JEFFREY V. LEWIS
REGISTERED ARCHITECT
NJ LICENSE # AI018118

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REVISIONS:

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ADDRESS:
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NORTH ARLINGTON, NJ
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BLOCK: 129

CLIENT:
JULIO BONILLA

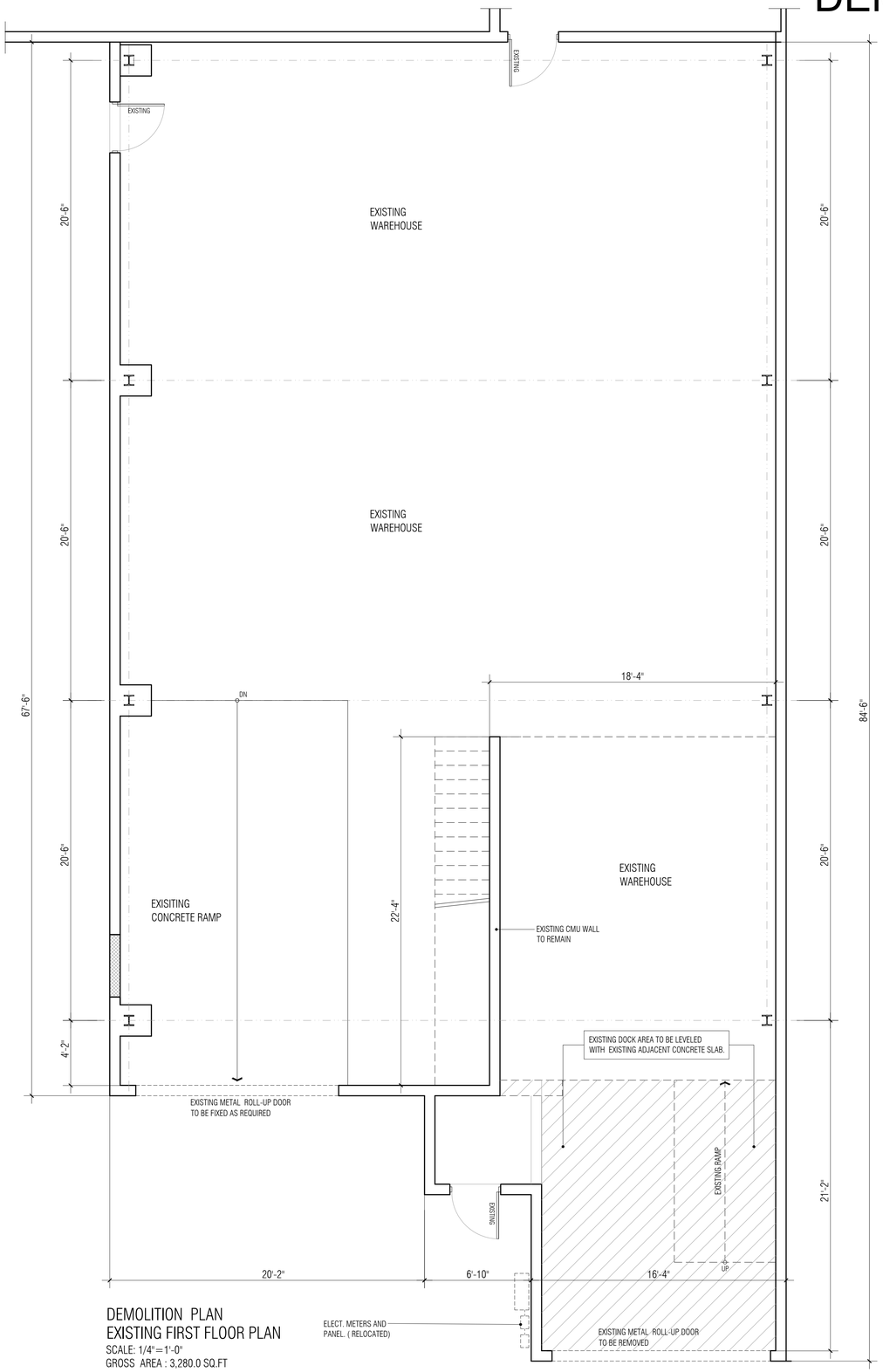
DRAWING INFO:

Drawn by:	MP
Checked by:	JVL
Issue date:	10-06-23
Project #:	23024

SHEET TITLE:
COVER SHEET / SITE PLAN

DWG #:	SHEET #:
T-100	1 OF 6

DEMOLITION PLAN



DEMOLITION PLAN
EXISTING FIRST FLOOR PLAN
SCALE: 1/4"=1'-0"
GROSS AREA : 3,280.0 SQ.FT

DEMOLITION PLAN
EXISTING MEZZANINE PLAN
SCALE: 1/4"=1'-0"
GROSS AREA : 710.0 SQ.FT

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COUNTERTOP FACILITY.

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NORTH ARLINGTON, NJ

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CLIENT:

JULIO BONILLA

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SHEET TITLE:

DEMOLITION PLAN

DWG #:	SHEET #:
A-100	2 OF 6

WALL LEGEND:

EXISTING FRAME WALL

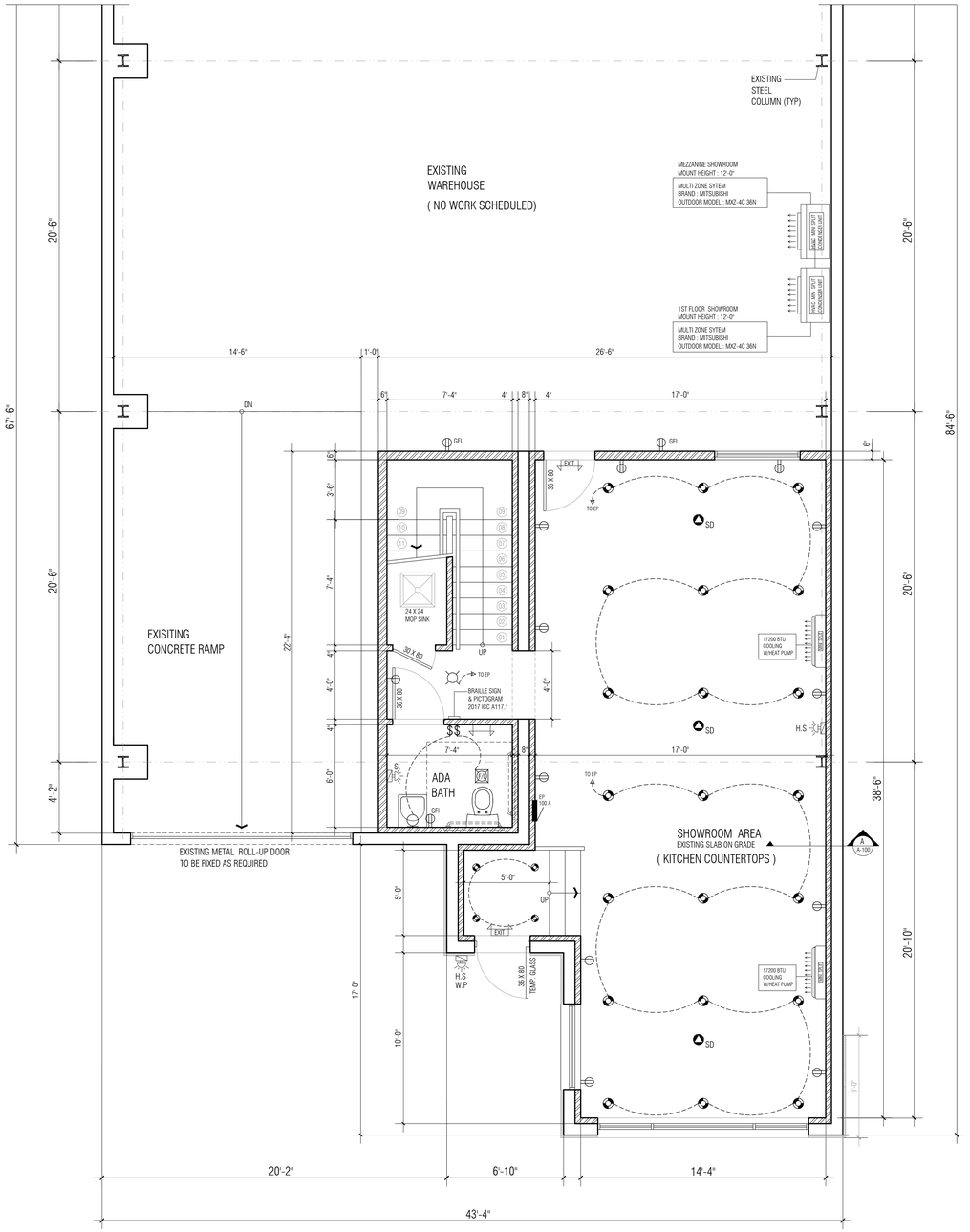
NEW FRAME WALL

WALL TO BE DEMOLISHED

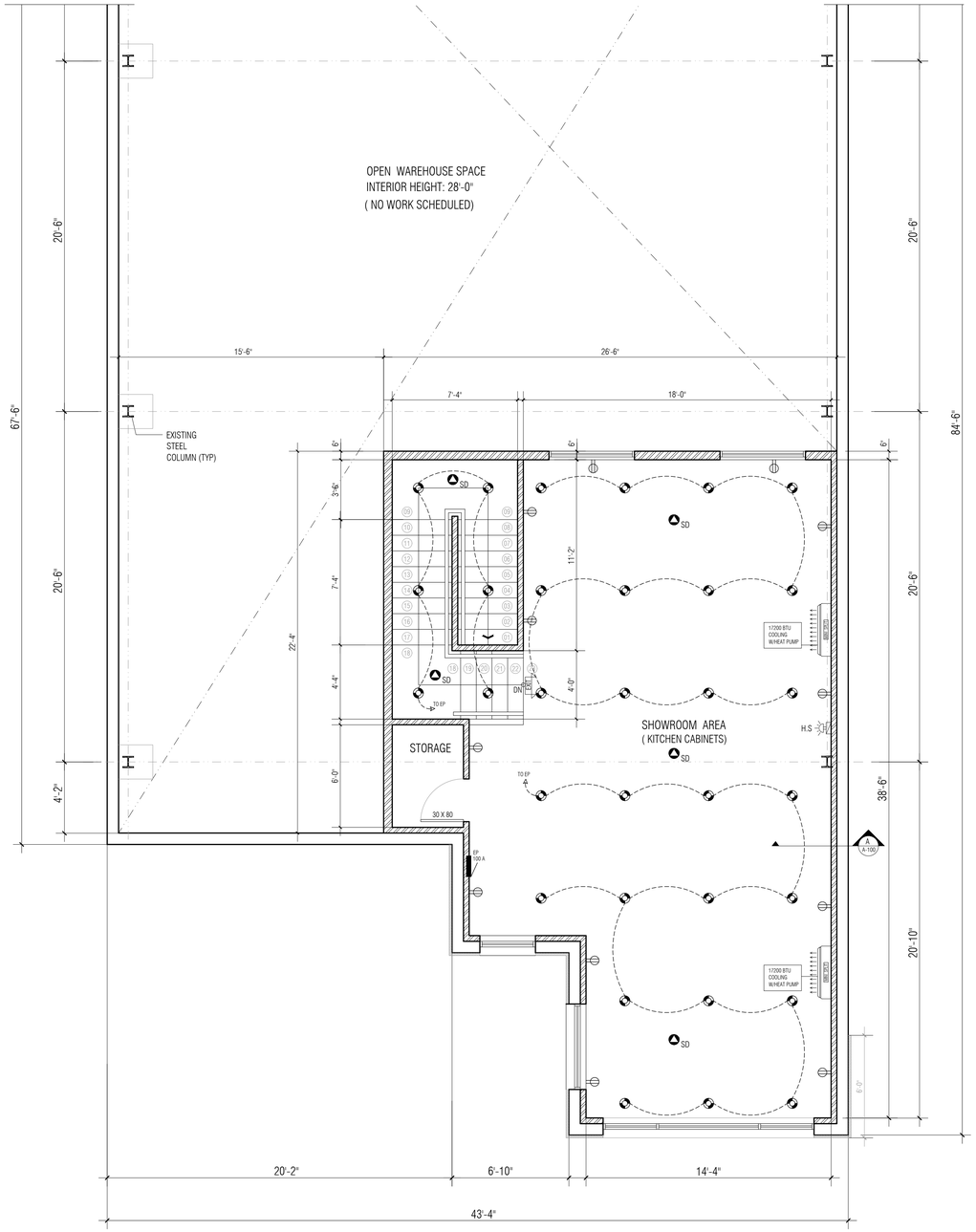
SYMBOL	DESCRIPTION	REMARKS
	DUPLEX OUTLET / 20a / 110v	INSTALLED @ 12" A.F.F.
GFI	GROUND FAULT CIRCUIT INT.	INSTALLED AS NOTED
W.P	DUPLEX OUTLET / 20a / 110v	INSTALL WITHIN WATER PROOF BOX
$	SINGLE TOGGLE SWITCH 20a /120v	
$3	THREE-WAY TOGGLE SWITCH 20a /120v	
	LIGHT FIXTURE / CEILING MOUNTED	
	CABLE T.V.	

	DESCRIPTION	REMARKS
	LIGHT FIXTURE / WALL MOUNTED	
	LIGHT FIXTURE LED/ CEILING MOUNT.	CONNECT W-RING HOME SYSTEM
EXIT	COMBINATION EMERGENCY LIGHT AND EXIST SIGN	
H.S	HORN STROBE	
F.A.C.P	FIRE ALARM PANEL	
	PULL STATION	
	EMERGENCY LIGHT	

SYMBOL	DESCRIPTION	REMARKS
H.D	HEAT DETECTOR	
SD	SMOKE DETECTOR	110v W/ BATTERY BACKUP / INTRCNCTD
SD CMD	CARBON MONOXIDE DETECTOR SMOKE DETECTOR COMBO	110v W/ BATTERY BACKUP / INTRCNCTD
CMD	CARBON MONOXIDE DETECTOR	110v W/ BATTERY BACKUP / INTRCNCTD
	EXHAUST FAN & LIGHT	80 CFM / VENT TO EXTR. W/ 3" ~ DUCT
F	EXHAUST FAN	
EP	ELECTRICAL PANEL	



POWER, LIGHTING & ALARM PLAN
FIRST FLOOR PLAN (SHOWROOM AREA)
SCALE: 1/4"=1'-0"
GROSS AREA : 945.0 SQ.FT



POWER, LIGHTING & ALARM PLAN
MEZZANINE PLAN
SCALE: 1/4"=1'-0"
GROSS AREA : 945.0 SQ.FT

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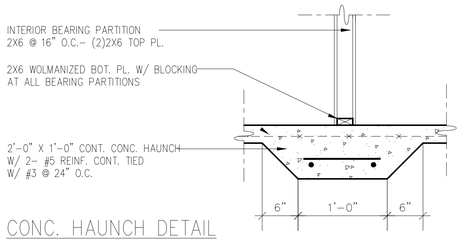
SHEET TITLE:

ELECTRICAL & FIRE ALARM

DWG #:	SHEET #:
A-200	3 OF 6

FOUNDATION NOTE

VERIFY EXISTING SLAB DEPTH.
IF LESS THAN 12" THICK PROVIDE NEW 2'-0" X 1'-0" CONT. CONC. HAUNCH W/ 2-#5 REINF. CONT. TIED W/ #3 @ 24" O.C.



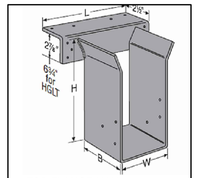
CONC. HAUNCH DETAIL
SCALE: 3/4"= 1'-0"

WALL LEGEND:

- EXISTING FRAME WALL
- NEW FRAME WALL
- WALL TO BE DEMOLISHED

UNLESS OTHERWISE NOTICED:

- STEEL: A992-50
- CONCRETE: 3,000 PSI ULTIMATE STRENGHT
- SOIL BEARING CAP. : 3,000 PSF MIN
- WELDS: FILLET E70 XX
- BOLTS: A 325
- RE BARS: DEF. GR. 60
- RE- BARS CL. COV: 3" FROM SOIL
- CONTRACTOR TO SUBMIT STEEL SHOP DRAWINGS SIGNED AND SEALED BY P.E. FOR DESIGN ENGINEERS APPROVAL.



TOP FLANGE HANGER
SIMPSON STRONG TIE GLT -4

Joist or Purlin Size	Model No.	Ga	Dimensions W	H	B	TF	Fasteners Header	Joist	Allowable Loads Uplift (160)	Floor (100)	Snow (115)	Roof (125)
3½ LAM	GLT3	7	3¼	7½ MIN	5	2½	10-N54A	6-N54A	1865	8165	8165	8165
	HGLT3	7	3¼	7½ MIN	6	2½	18-N54A	6-N54A	1865	12265	12685	12750
	GLS3-5[3]	7	3¼	8½ MIN	5	5¼	6-N54A	6-N54A	1865	11555	11695	11785
	GLS3-7[3]	7	3¼	8½ MIN	5	6¾	6-N54A	6-N54A	1865	11555	11695	11785
	GLS3-9[3]	7	3¼	8½ MIN	5	8¼	6-N54A	6-N54A	1865	11555	11695	11785
	HW3.25	11	3¼	5 MIN	4	2½	4-10d	2-10d	—	5285	5285	5285
	HHB3	7	3¼	7½ MIN	3	2½	10-N54A	6-N54A	1950	6085	6225	6235
	GB3	7	3¼	7½ MIN	3½	2½	14-N54A	6-N54A	1950	7795	8030	8185
	HU3.25/12TF	12	3¼	12	2½	2½	16-16d	6-10d	1125	4310	4335	4335
	HU3.25/16.5TF	12	3¼	16½	2½	2½	20-16d	8-10d	1500	4860	5275	5545
3½ LAM	GLT4	7	3½	7½ MIN	5	2⅛	10-N54A	6-N54A	1865	8165	8165	8165
	HGLT4	7	3½	7½ MIN	6	2⅛	18-N54A	6-N54A	1865	12265	12685	12750
	GLT5	7	5¼	7½ MIN	5	2½	10-N54A	6-N54A	1865	8165	8165	8165
	HGLT5	7	5¼	7½ MIN	6	2½	18-N54A	6-N54A	1865	12265	12635	12750
	GLS5-5[3]	7	5¼	8½ MIN	5	5¼	6-N54A	6-N54A	1865	14685	14685	14685
	GLS5-7[3]	7	5¼	8½ MIN	5	6¾	6-N54A	6-N54A	1865	14685	14685	14685

Engineered Wood & Structural Composite Lumber Connectors

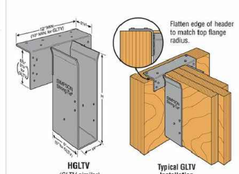
SIMPSON Strong-Tie

GLTV/HGLTV *Heavy Duty Hangers*

GLTV and HGLTV hangers are designed for structural composite lumber header applications that require high loads. The top flange nails are sized and specifically located to prevent degradation of the header due to splitting of laminations.
For heavy loads with a face-mount application, see the HGUS and GU series.
MATERIAL: Top flange—3 gauge; Stirrups—7 gauge
FINISH: Simpson Strong-Tie® gray paint; HDG available, Contact Simpson Strong-Tie.
INSTALLATION • Use all specified fasteners. Verify that the header can take the required fasteners specified in the table.
- This series may be used for weld-on applications. Minimum required weld is a 5/16" x 2½" fillet weld at each end of the top flange for GLTV, and a 1/4" x 2½" fillet weld at each end of the top flange for HGLTV, see page 17 for weld information. Weld-on applications produce maximum loads listed. For uplift loads refer to T-WELDUPLFT.
- Web stiffeners are required with I-joists using this hanger style.
- GLTV or HGLTV hangers may be installed on ledgers provided the ledgers are made of 4x soiled sawn or 3½" SCL shown in the table below. Thinner lumber must be evaluated by the building Designer.
- HGLTV hangers should not be attached to nailers.

OPTIONS • Hot-dip galvanized; specify HDG.
- See Hanger Options, pages 215-224. Saddle hanger versions are available in some engineered wood sizes.

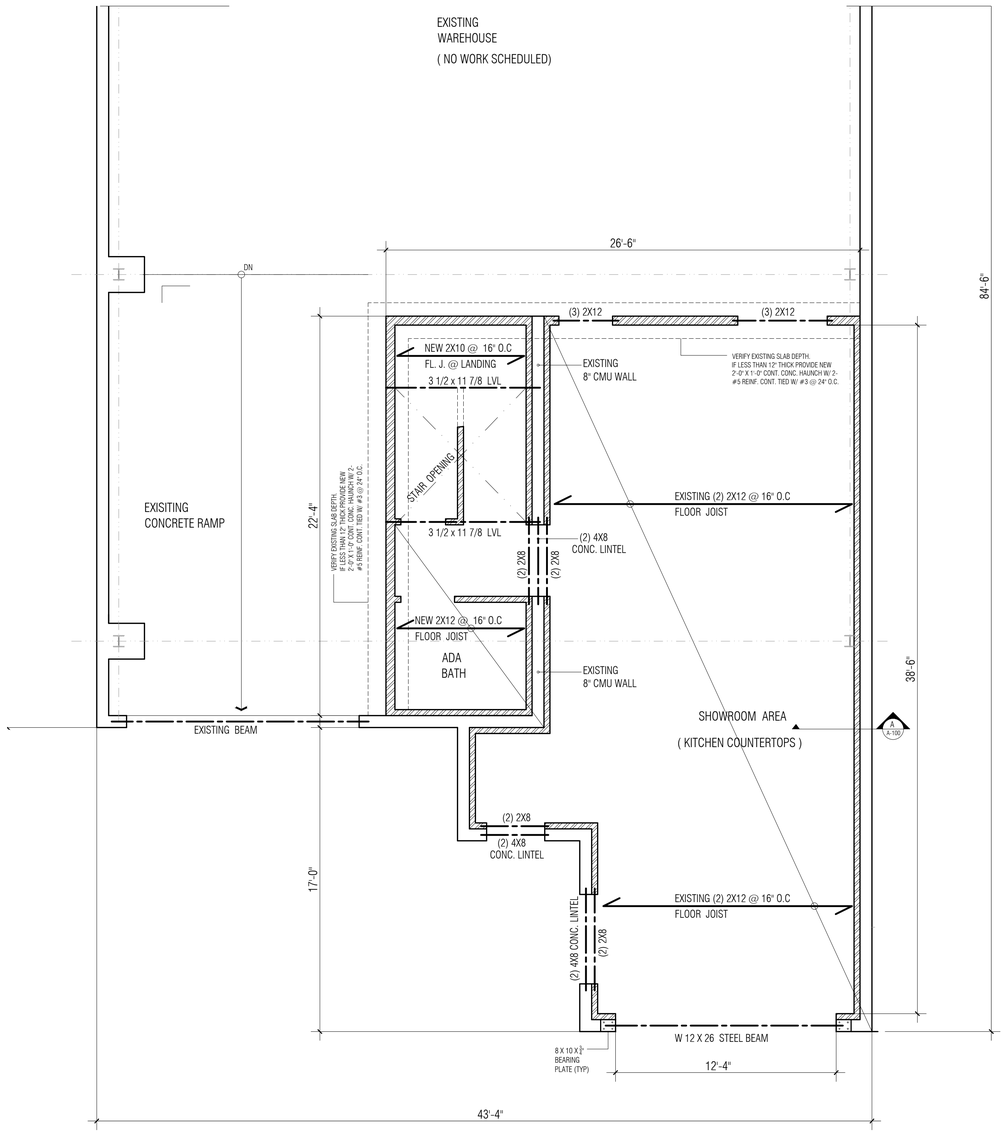
CODES: See page 13 for Code Reference Key Chart.



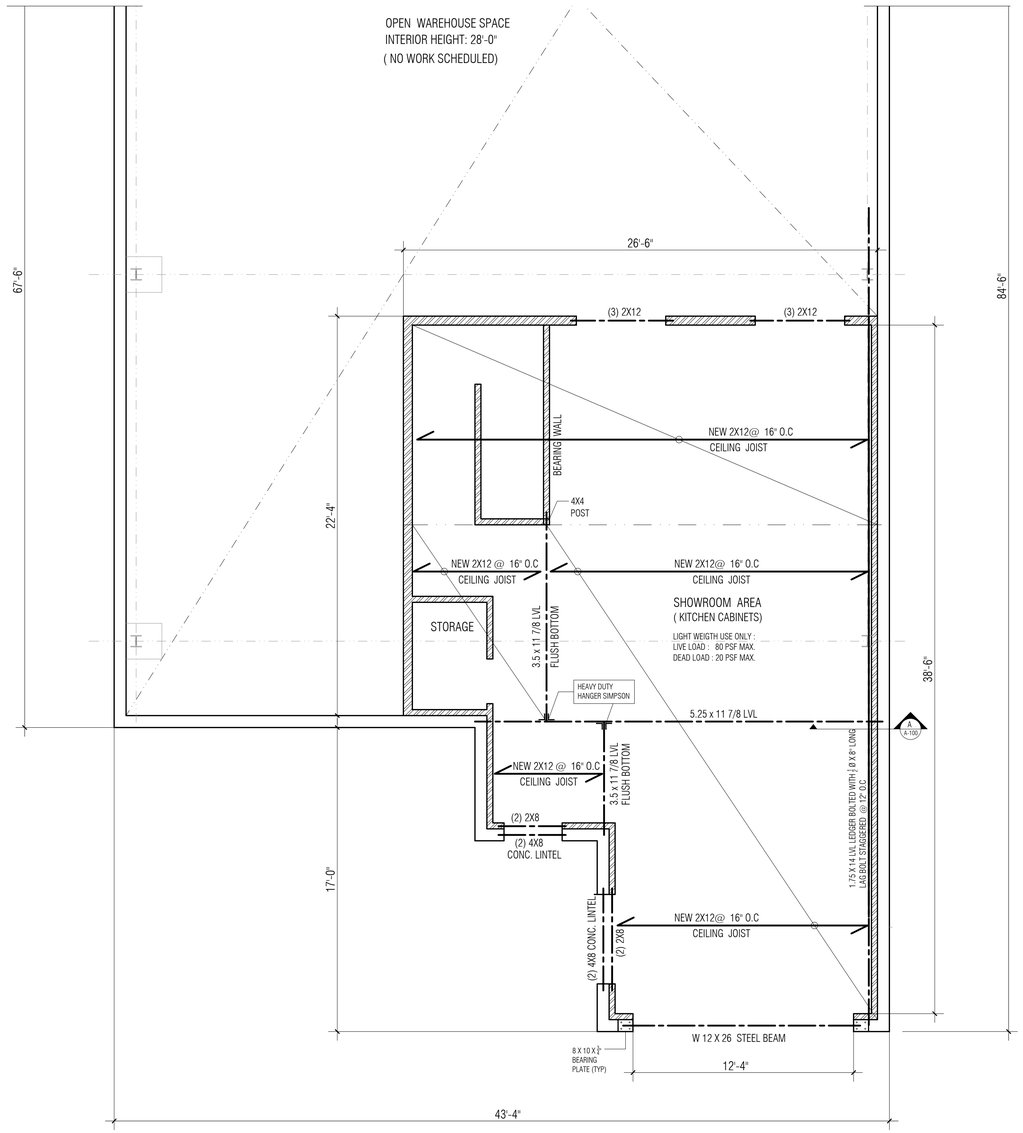
Model No.	Fasteners Top	Face	Joist	Allowable Loads Header Type Uplift (160)	LVL[5]	PSL	LSL	DF/SP	SPF/HF	Nailer[6]	Code Ref.
GLTV series	4-16d	6-16d	6-16d	1295	7590	7400	5750	7205	5145	5939	119, L14, F18
HGLTV series	6-16d	12-16d	6-16d	1295	10500	9485	9000[7]	8835	6770	—	

1. Uplift loads have been increased for wind or earthquake loading with no further increase allowed. Reduce where other loads govern.
2. Uplift loads only apply when "H" is 28" or less. Uplift loads for nailer applications is limited to 710 lbs.
3. For hanger heights exceeding the joist height, the allowable load is 0.50 of the table load.
4. HGLTV at maximum allowable load may have greater than ½" deflection.
5. Applies to LVL headers made primarily from Douglas Fir or Southern Pine. For LVL made primarily from Spruce Pine Fir or similar less dense veneers, use the values found in the SPF/HF column.
6. Nailer shall be minimum 2-2x, 3x or 4x DF/SP. Use 16dx2½" nails.
7. For SCL products made primarily from Douglas Fir or Southern Pine use 1640 lbs. for uplift. For SPF member use 1115 lbs. for uplift.
8. **NAILS:** 16d = 0.162" dia. x 3½" long. See page 22-23 for other nail sizes and information.

Engineered Wood & Structural Composite Lumber Connectors



FRAMING PLAN
FIRST FLOOR PLAN (SHOWROOM AREA)
SCALE: 1/4"=1'-0"
GROSS AREA : 945.0 SQ.FT



CEILING FRAMING PLAN
MEZZANINE PLAN
SCALE: 1/4"=1'-0"
GROSS AREA : 945.0 SQ.FT

SEAL:

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NJ LICENSE # AI018118

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REVISIONS:

PROJECT:

PROPOSED NEW
SHOW-ROOM IN AN EXISTING
GRANITE KITCHEN
COUNTERTOP FACILITY.

ADDRESS:

470 BELLEVILLE TURNPIKE
NORTH ARLINGTON, NJ

LOTS: 16 & 17
BLOCK: 129

CLIENT:

JULIO BONILLA

DRAWING INFO:

Drawn by:	MP
Checked by:	JVL
Issue date:	10-06-23
Project #:	23024

SHEET TITLE:

FRAMING PLAN

DWG #:	SHEET #:
A-300	4 OF 6

CDLED4W-40W-80D940-K

RAB



Cylinders are a complete design solution. They are available in various sizes, mounting options, colors and beam angles, and suitable for indoor/outdoor use.

Color: Matte black

Weight: 5.8 lbs

Project: | Type:

Prepared By: | Date:

Driver Info

Type	Constant Current
120V	0.30A
208V	0.22A
240V	0.19A
277V	0.14A
Input Watts	35W

LED Info

Watts	40W
Color Temp	4000K (Neutral)
Color Accuracy	90 CRI
R9	52
L70 Lifespan	50,000 Hours
Lumens	3,533 lm
Efficacy	100.9 lm/W

Technical Specifications

Compliance

UL Listed:
Suitable for wet locations

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80

Electrical

Driver:
Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.30A, 208V: 0.22A, 240V: 0.19A, 277V: 0.14A

Dimming Driver:
0 - 10V (at 120-277V), TRIAC and ELV (at 120V only)

THD:
12.5% at 120V, 19.7% at 277V

Power Factor:
96.4% at 120V, 89.9% at 277V

Optical

Optics:
80°

Performance

Lifespan:
50,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

LED Characteristics

LEDs:
Long-life, high efficacy, surface-mount LEDs

Color Stability:
LED color temperature is warrantied to shift no more than 200K in color temperature over a 3-year period

Construction

Cold Weather Starting:
This minimum starting temperature is -30°C (-22°F)

Maximum Ambient Temperature:
Suitable for use in up to 40°C (104°F)

Lens:
Solite Glass Lens and Microprismatic Diffusion Lens

Reflector:
Vacuum-metalized polycarbonate

Technical Specifications (continued)

Construction

Housing:
Extruded aluminum

Mounting:
Wall direct/indirect light

Gaskets:
High-temperature silicone

Green Technology:
Mercury and UV free, RoHS-compliant components.

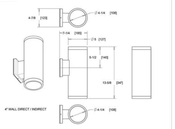
Finish:
Formulated for high durability and long-lasting color

Other

Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Dimensions



Features

Sleek, contemporary, architectural-grade design

Universal dimming driver (TRIAC, ELV and 0-10V)

50,000-Hour LED lifespan

Ordering Matrix

Family	Size	Mounting		Wattage		Optic		CRI/Color Temp		Finish
CDLED	4	W	-	40W	-	80D		940	-	K

Size: 2 = 2" | 4 = 4" | 6 = 6"

Mounting: W = Wall Direct (Downlight) Only | WD = Wall Direct (Downlight) Only | WU = Wall Indirect (Uplight) Only | WX = Wall Direct/Indirect (Downlight/Uplight) | S = Surface (Ceiling Mount) | PC = Pendant Cord 48" Standard | PS = Pendant Stem

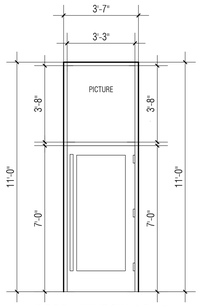
Wattage: 10W = 10W | 20W = 20W | 30W = 30W | 40W = 40W

Optic: 20D = 20° | 30D = 30° | 40D = 40° | 50D = 50° | 80D = 80° | WW = Wall Wash

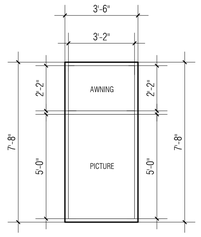
CRI/Color Temp: 927 = 90 CRI, 2700K | 930 = 90 CRI, 3000K | 935 = 90 CRI, 3500K | 940 = 90 CRI, 4000K | 950 = 90 CRI, 5000K

Finish: W = Matte White | K = Matte Black | S = Matte Silver | Z = Bronze

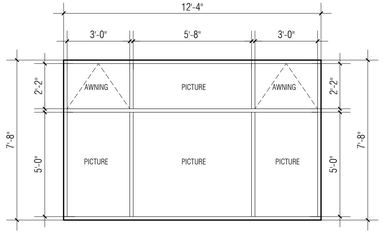
EXTERIOR DOOR AND WINDOWS SCHEDULE



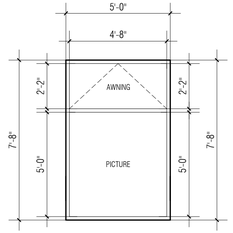
DOOR - WINDOW " D-1"
N.T.S



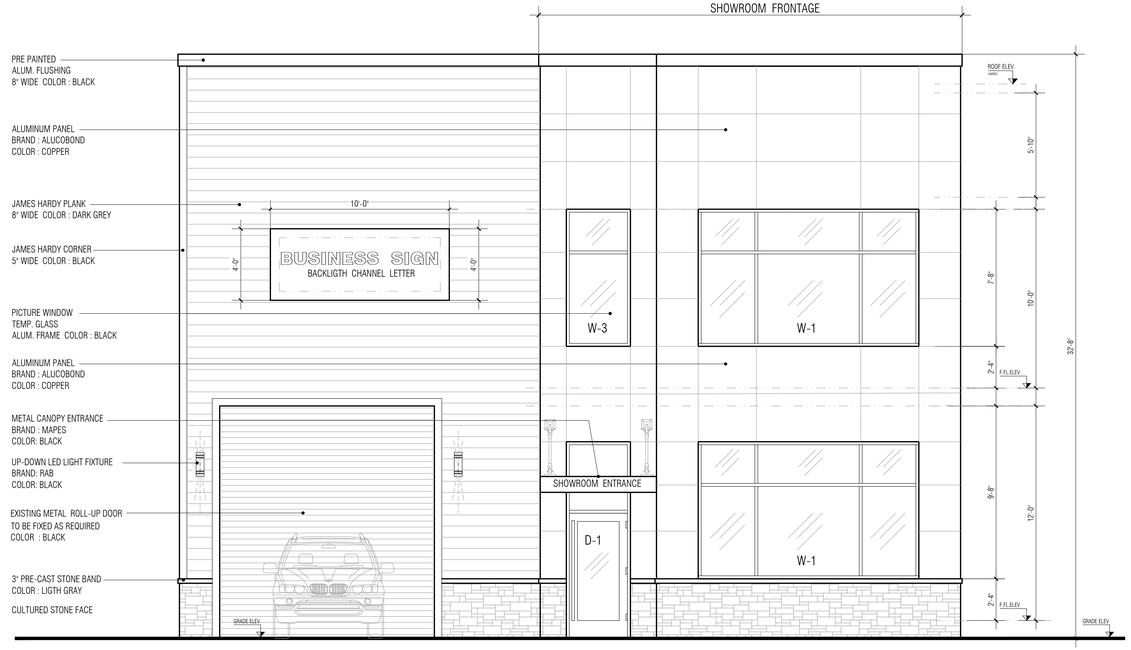
WINDOW " W-3"
N.T.S



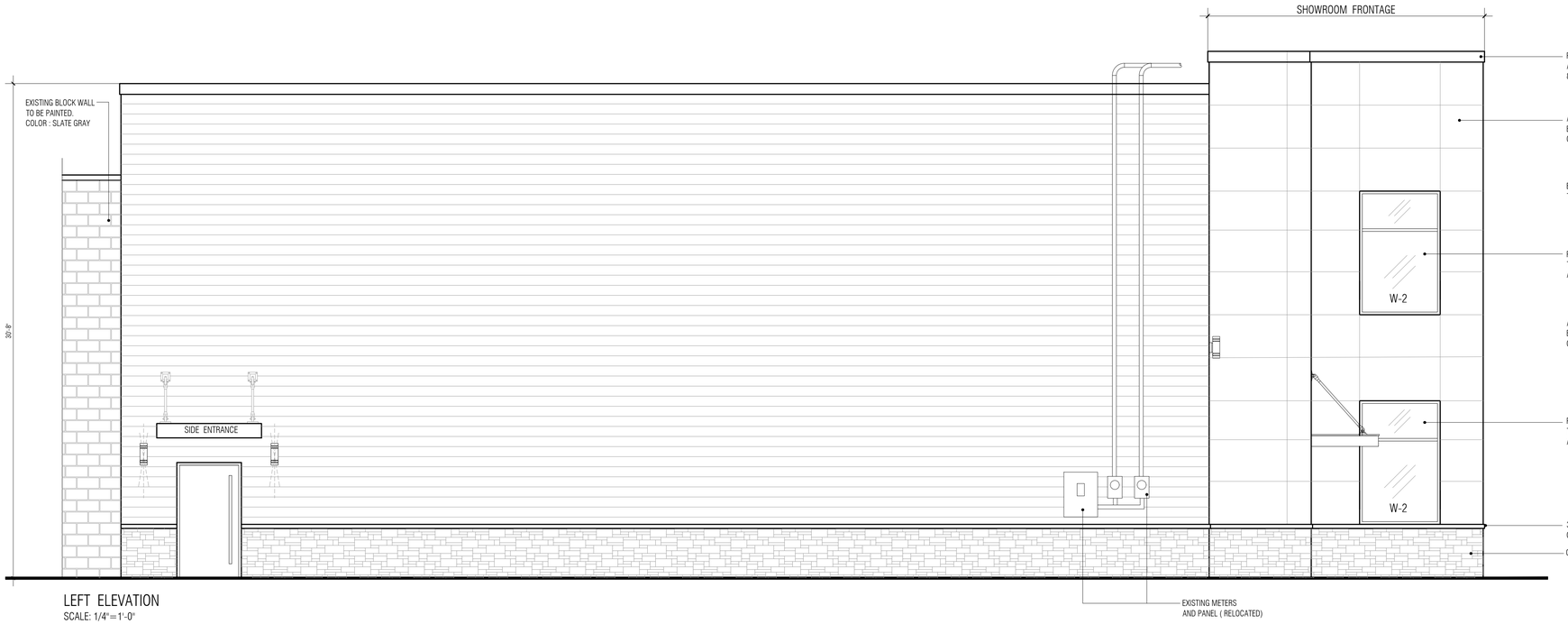
WINDOW " W-1"
N.T.S



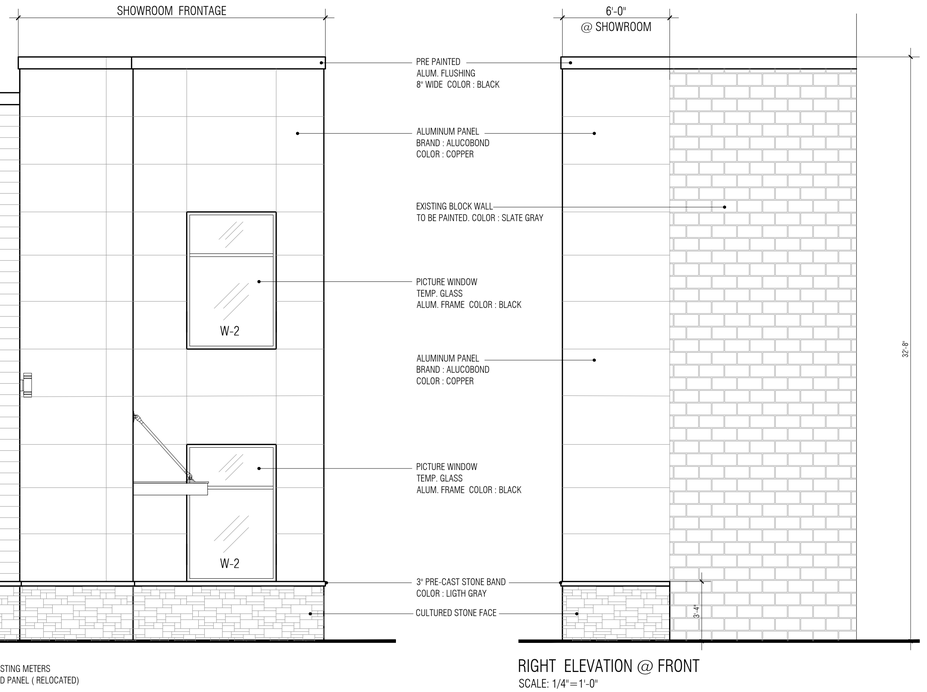
WINDOW " W-2"
N.T.S



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



LEFT ELEVATION
SCALE: 1/4"=1'-0"



RIGHT ELEVATION @ FRONT
SCALE: 1/4"=1'-0"

SEAL:

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REGISTERED ARCHITECT
NJ LICENSE # AI018118

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REVISIONS:

PROJECT:

PROPOSED NEW
SHOW-ROOM IN AN EXISTING
GRANITE KITCHEN
COUNTERTOP FACILITY.

ADDRESS:

470 BELLEVILLE TURNPIKE
NORTH ARLINGTON, NJ

LOTS: 16 & 17
BLOCK: 129

CLIENT:

JULIO BONILLA

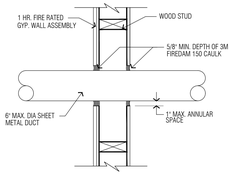
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Drawn by:	MP
Checked by:	JVL
Issue date:	10-06-23
Project #:	23024

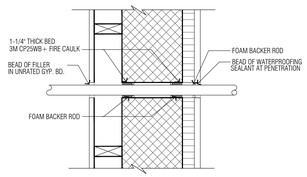
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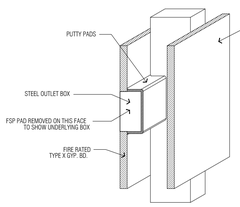
DWG #:	SHEET #:
A-400	5 OF 6



PENETRATION FIRESTOP FOR NOM. 6" MAX. DIA. RIGID SHEET METAL AIR INTAKE / EXHAUST DUCT THROUGH A GYPSUM WALLBOARD ASSEMBLY - 1 HR. RATED
U.L. LISTING - W-L-1167
SCALE: NTS



PENETRATION FIRESTOP FOR 2" MAX. DIA. PLASTIC PIPE THROUGH A CONRETE BLOCK WALL ASSEMBLY - 2 HR. RATED
U.L. LISTING - W-J-2029
SCALE: NTS



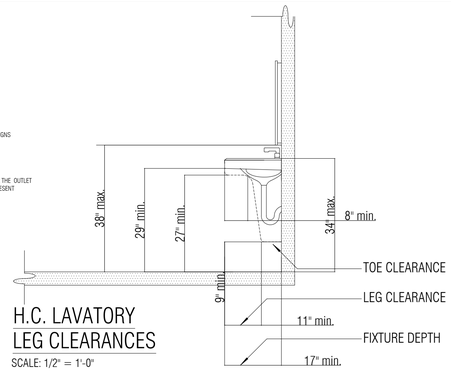
WALL ASSEMBLY - CONSTRUCTED IN THE MANNER SPECIFIED IN THE U400 SERIES DESIGNS AS SHOWN IN THE UL FIRE RESISTANCE DIRECTORY

METALLIC OUTLET BOX - MAX 4-11/16" X 4-11/16" STEEL OUTLET BOX INSTALLED IN ACCORDANCE WITH NFPA 70 REGULATIONS. THE BOX CAN BE THE SAME STUD CAVITY, PROVIDED THEY ARE NOT INSTALLED BACK-TO-BACK.

NELSON FSP PUTTY PADS SHALL BE APPLIED 1/8" THICK OR 1/4" THICK PADS TO COVER THE OUTLET BOX COMPLETELY WITHIN THE STUD CAVITY. MOLD THE PAD SO THAT NO GAPS ARE PRESENT BETWEEN THE PAD AND THE GYPSUM WALL.

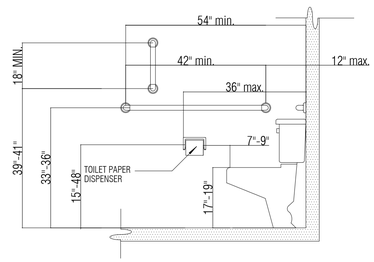
TESTED IN ACCORDANCE WITH:
ASTM E-119
ANSI/UL 263

GYPSUM WALL
ELECTRICAL OUTLET BOX
WALLBOARD ASSEMBLY- 1 HR. ASSEMBLY
SCALE: NTS

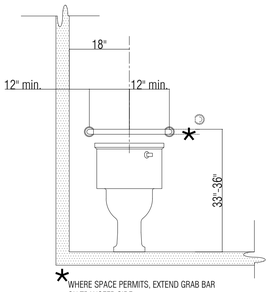


H.C. LAVATORY LEG CLEARANCES

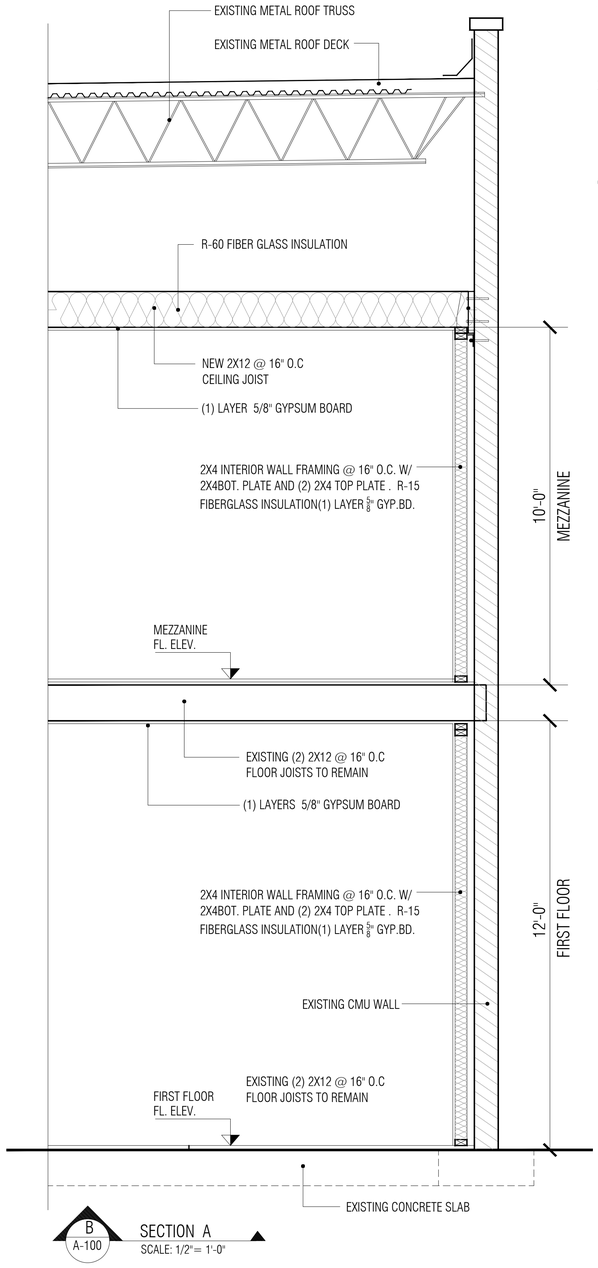
SCALE: 1/2" = 1'-0"



H.C. WATER CLOSET SIDE VIEW

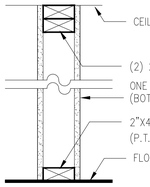


H.C. WATER CLOSET FRONT VIEW



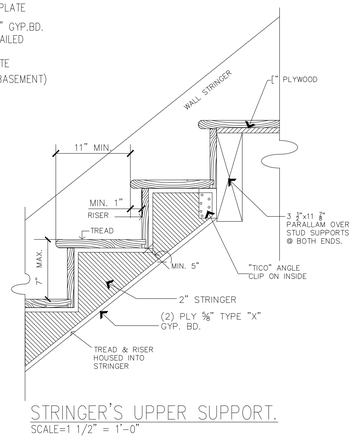
B
A-100

SECTION A
SCALE: 1/2"= 1'-0"



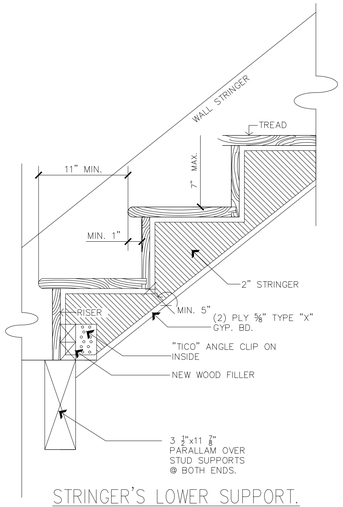
PARTITION DETAIL

SCALE: 1-1/2"=1'-0"



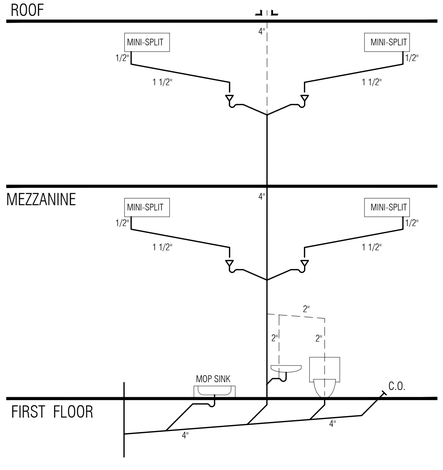
STRINGER'S UPPER SUPPORT.

SCALE=1 1/2" = 1'-0"



STRINGER'S LOWER SUPPORT.

SCALE=1 1/2" = 1'-0"

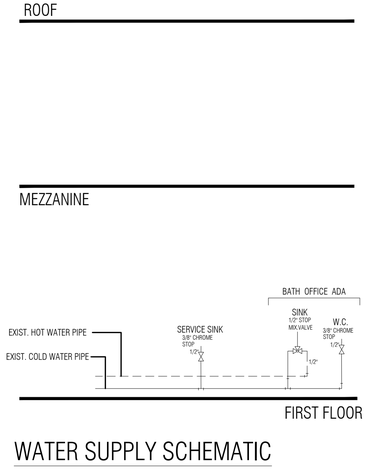


PLUMBING RISER DIAGRAM

NOT TO SCALE

PIPE SCHEDULE

SANITARY - ABS/PVC - SCHED. 40 (OR APPROVED MATERIAL AS PER TABLE 3.4 OF NSPC 2021)
HOT WATER - COPPER/PEX (OR APPROVED MATERIAL AS PER TABLE 3.4 OF NSPC 2021) C.W.S. - COPPER/PEX (OR APPROVED MATERIAL AS PER TABLE 3.4 OF NSPC 2021) VENT - ABS/P.V.C. - SCHED. 40 (OR APPROVED MATERIAL AS PER TABLE 3.4 OF NSPC 2021) FIXTURES WITHOUT INTEGRAL TRAPS MUST BE TRAPPED. A CLEANOUT IS REQUIRED AT THE UPPER END OF ANY HORIZONTAL DRAIN LINE OVER 5'-0" IN LENGTH. SANITARY RISER DIAGRAM FOR SCHEMATIC PURPOSES ONLY. PLUMBING CONTRACTOR SHALL VERIFY DESIGN & FIELD CONDITIONS AS PER ALL APPLICABLE CODES & ORDINANCES AND SHALL BE RESPONSIBLE FOR FINAL DESIGN.

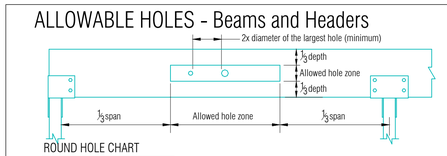


WATER SUPPLY SCHEMATIC

NOT TO SCALE

COLD WATER
HOT WATER

ALLOWABLE HOLES - Beams and Headers





ROUND HOLE CHART

BEAM DEPTH	MAXIMUM ROUND HOLE SIZE
4 3/8"	1"
5 1/2"	1 3/8"
7 1/4" to 20"	2"

See illustration for Allowed Hole Zone

- For uniformly loaded beams only.
- Rectangular holes are not allowed.
- Holes in cantilevers require additional analysis.

NOTCHING AND BORED HOLE LIMITATIONS FOR EXTERIOR WALLS AND BEARING WALLS

R602.6 DRILLING AND NOTCHING–STUDS.
ANY STUD IN AN EXTERIOR WALL OR BEARING PARTITIONMAY BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25% OF TS WIDTH. STUDS IN NONBEARING PARTITIONS MAY BE NOTCHED TO A DEPTH NOT TO EXCEED 40% OF A SINGLE STUD WIDTH. ANY STUD ME BE BORED OR DRILLED, PROVIDEDTHAT THE DIAMETER OF THE RESULTING HOLE IS NO CLOSER THAN 5/8"(15.9mm) TO THE EDGE OF THE STUD, AND THE HOLE IS NOT LOCATED IN THE SAME SECTION AS A CUT OR NOTCH [SEE FIGURE R602.6(1) AND R602.6(2)]

EXEPTIONS:
1. A STUD MAY BE BORED TO A DIAMETER NOT EXCEEDING 60 PERCENT OF ITS WIDTH, PROVIDED THAT SUCH STUDS IOCATED
IN EXTERIOR WALLS OR BEARING PARTITIONS ARE DOUBLED AND THAT NOT MORE THAN TWO SUCCESSIVE STUDS ARE BORED.

2. APPROVED STUD SHOES MAY BE USED WHEN INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

R602.6.1 DRILLING AND NOTCHING OF TOP PLATE:
WHEN PIPING OR DUCTWORK IS PACED IN OR PARTLY IN AN EXTERIOR WALL OR INTERIOR, BRACED OR LOAD BEARING WALL, NECESSITATING A CUTING OF THE TOP PLATE BY MORE THAT 50% OF ITS WIDTH, A GALVANIZED METAL TIE NOT LESS THAN 0.054 IN THIX(1.37mm)(16ga) AND 1.5 INCHES(38mm) WIDE SHALL BE FASTENED TO EACH PLATE ACCROSS AND TO EACH SIDE OF THE OPENING WITH NOT LESS THANSIX 16d NAILS (SEE FIGURE R602.6.1)

EXEPTION:
WHEN THE ENTRE SIDE OF THE WALL WITH THE NOTCH OR CUT IS COVERED BY WOOD STRUCTURAL PANEL SHEATHING

TOP PLATE FRAMING TO ACCOMODATE PIPING



FIGURE R602.6.1
For SI: 1 inch = 25.4 mm

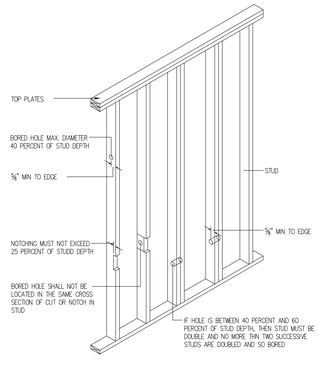


FIGURE R602.6(1)
For SI: 1 inch = 25.4 mm
NOTCHING AND BORED HOLE LIMITATIONS FOR INTERIOR NON–BEARING WALLS

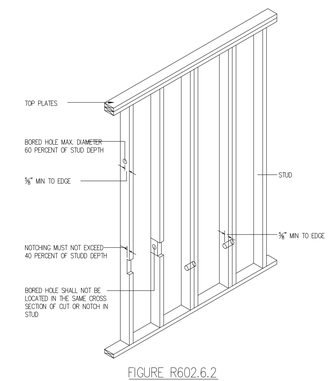
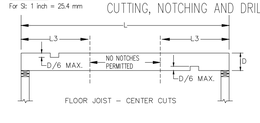


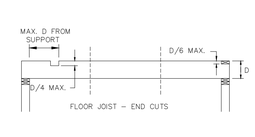
FIGURE R602.6.2
For SI: 1 inch = 25.4 mm

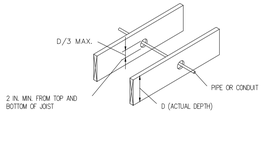
FLOORS
For SI: 1 inch = 25.4 mm

FIGURE 502.8
CUTTING, NOTCHING AND DRILLING









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REVISIONS:

PROJECT:

PROPOSED NEW SHOW-ROOM IN AN EXISTING GRANITE KITCHEN COUNTERTOP FACILITY.

ADDRESS:

470 BELLEVILLE TURNPIKE
NORTH ARLINGTON, NJ

LOTS: 16 & 17
BLOCK: 129

CLIENT:

JULIO BONILLA

DRAWING INFO:

Drawn by:	MP
Checked by:	JVL
Issue date:	10-06-23
Project #:	23024

SHEET TITLE:

PLUMBING
SECTION & DETAILS

DWG #:	SHEET #:
D-100	6 OF 6

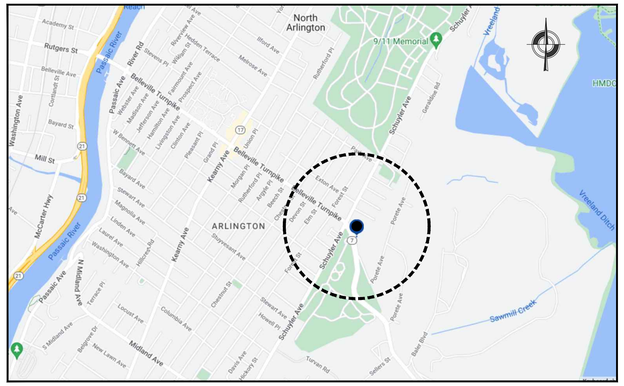
470 BELLEVILLE TURNPIKE

NORTH ARLINGTON, NJ LOTS 16 & 17 BLOCK: 129

PROPOSED NEW SHOW-ROOM AND INTERIOR RENOVATION TO AN EXISTING WAREHOUSE .(GRANITE COUNTERTOP FACILITY)

SCOPE OF WORK		
FIRST FLOOR	SECOND FLOOR	EXTERIOR
• NEW ELECTRICAL AND LIGHTING • NEW FIRE ALARMS AND R.A.P PANEL • NEW HVAC SYSTEM 1ST FL. (MINI SPLIT) • NEW TANKLESS HOT WATER WALL MOUNTED • NEW GRAB BARS IN EXISTING BATHROOMS • INTERIOR FINISHES AND CABINETRY	• NEW ELECTRICAL AND LIGHTING • NEW FIRE ALARMS AND F.A.C.P IN OFFICE • SPACE HEATER REPLACEMENT (WAREHOUSE) • PLUMBING FIXTURE REPLACEMENT • NEW GRAB BARS IN EXISTING BATHROOMS • INTERIOR FINISHES AND CABINETRY	• NEW EXTERIOR SIGNAGE • NEW METAL CANOPY @ SHOWRROM ENTRANCE • REPAIR EXISTING ROLL-UP DOORS • EXTERIOR LIGTHING AND HORN STROBE • REPAIR DRIVEWAY PAVEMENT AS REQUIRED • EXTERIOR FINISHES REPOINTING AND PAINTING

• NEW MACHINES FOR GRANITE-SLAB-MANUFACTURING IN THE WAREHOUSE WILL BE PROVIDED AND INSTALLED BY OTHERS (BACA SYSTEMS)



KEY MAP

C-2 COMMERCIAL DISTRICT

NJUCC 2021 REQUIREMENTS	
USE GROUP	B & S-1
CONSTRUCTION TYPE	3 B
HEIGHT OF STRUCTURE	32'-10"
NUMBER OF STORIES	2
1ST FLOOR	4,866.0 SF
2ND FLOOR	2,196.0 SF
TOTAL AREA	7,062.0 SF
VOLUME	70,620.0 C.F

APPLICABLE CODES
• 2021 IBC New Jersey Edition • 2021 N.J.A.C 5:23-6 Rehabilitation Sub Code • 2020 National Electrical Code • 2021 National Standard Plumbing Code • 2021 International Fuel Gas Code • 2021 IECC Energy Subcode

811 Know what's below. Call before you dig. CGA Common Ground Alliance

BEGA

Photometric Filename: 33327.IES

TEST: BE3768
TEST LAB: BEGA
DATE: 2/29/2012
LUMINAIRE: 33 327
LAMP: 4.3W LED





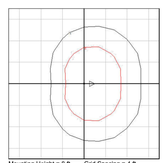
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Cutoff Classification (deprecated)	Non-Cutoff
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	216
Total Luminaire Efficiency	N.A.
Downward Total Efficiency	N.A.
Luminaire Efficacy Rating (LER)	N.A.
Upward Waste Light Ratio	0.36
Max. Cd.	34.349 (45H, 52.5V)
Max. Cd. (<90 Vert.)	34.349 (45H, 52.5V)
Max. Cd. (At 90 Deg. Vert.)	27.944 (12.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	29.652 (13.7%Lum)
Total Luminaire Watts	11
Ballast Factor	1.00
R9 Value	23.90

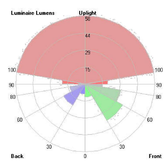
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	11.1	N.A.	5.1
FM (30-60)	35.9	N.A.	16.7
FH (60-80)	30.0	N.A.	13.9
FVH(80-90)	14.0	N.A.	6.5
BL (0-30)	8.7	N.A.	4.0
BM (30-60)	20.7	N.A.	9.6
BH (60-80)	12.8	N.A.	5.9
BVH(80-90)	5.5	N.A.	2.5
UL (90-100)	18.7	N.A.	8.7
UH (100-180)	58.3	N.A.	27.0
Total	215.7	N.A.	100.0

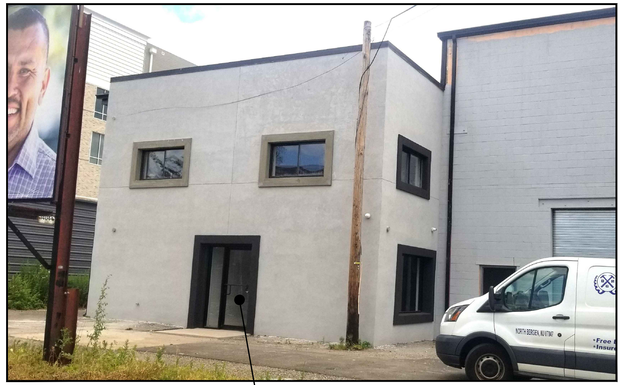
BUG Rating B0-U3-G1 =



Mounting Height = 8 ft. Grid Spacing = 4 ft.



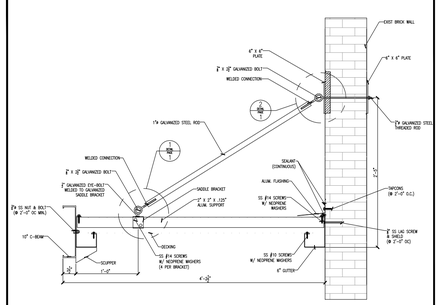
In the interest of product improvement, BEGA reserves the right to make technical changes without notice.



SIDE VIEW — SHOWROOM ENTRANCE

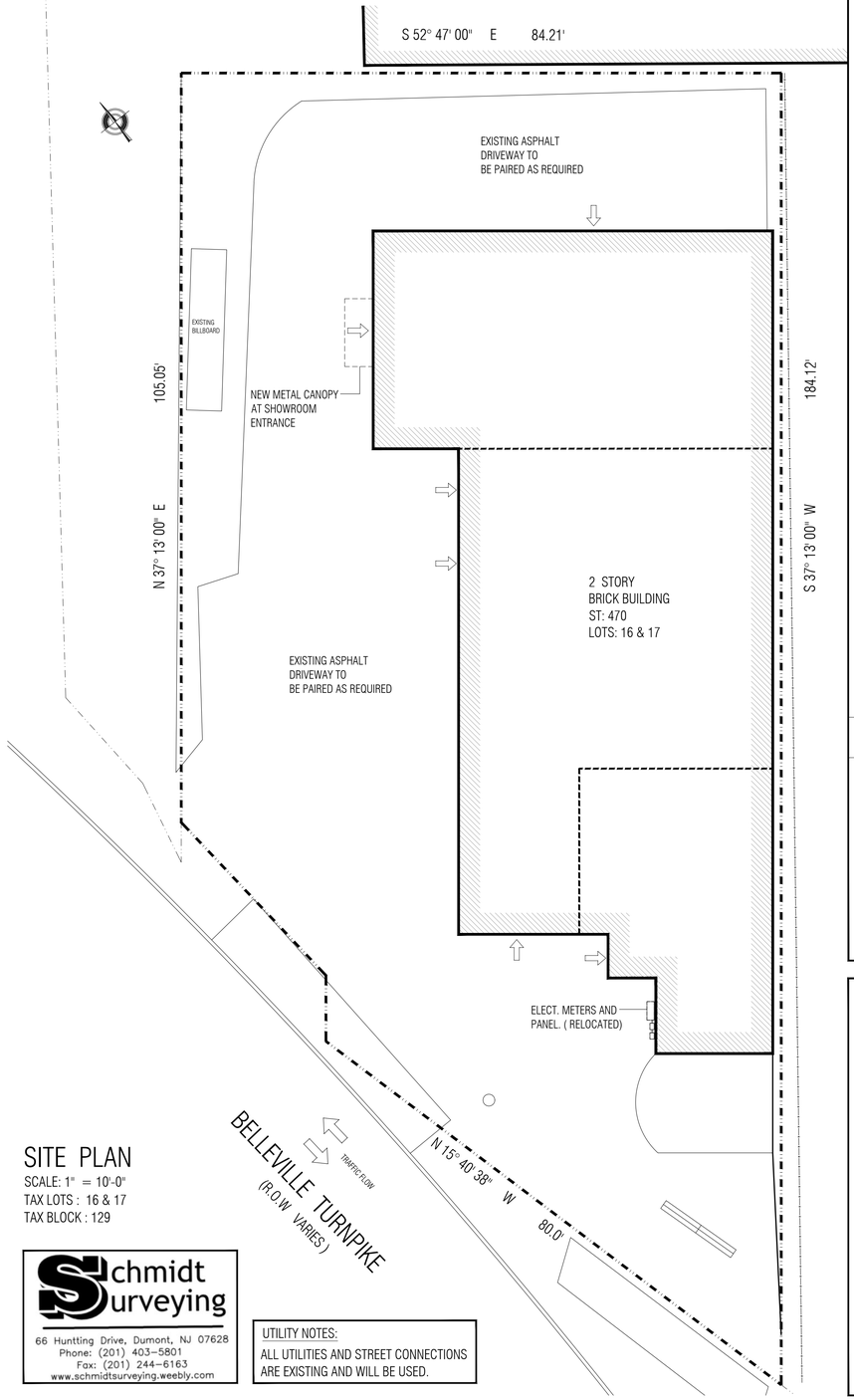


STREET VIEW @ BELLEVILLE TURNPIKE



A A-100 CANOPY DETAIL @ SHOWROOM ENTRANCE

SCALE: NTS



SITE PLAN
SCALE: 1" = 10'-0"
TAX LOTS : 16 & 17
TAX BLOCK : 129

Schmidt Surveying
66 Huntting Drive, Dumont, NJ 07628
Phone: (201) 403-5801
Fax: (201) 244-6163
www.schmidtsurveying.weebly.com

UTILITY NOTES:
ALL UTILITIES AND STREET CONNECTIONS ARE EXISTING AND WILL BE USED.

GENERAL NOTES:

1. THESE DRAWINGS ARE THE PROPERTY OF THE ARCHITECT. THE ARCHITECT IS THE SOLE INTERPRETER OF THESE DOCUMENTS. ANY RE-USE OF THESE DOCUMENTS WITHOUT WRITTEN APPROVAL OF THE ARCHITECT IS NOT ALLOWED.

2. ALL CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR ADHERING TO THE REQUIREMENTS AS SPELLED OUT IN THESE NOTES. ALL PARTIES MUST CAREFULLY STUDY ALL NOTES FOR ITEMS WHICH MAY PERTAIN TO THEIR TRADES. FAILURE TO READ THESE NOTES DOES NOT PERMIT CONTRACTOR TO DEVIATE FROM THEIR REQUIREMENTS, UNLESS THE ARCHITECT HAS GIVEN WRITTEN APPROVAL. ALL QUESTIONS WILL BE ANSWERED BY THE ARCHITECT.

3. CONTRACTORS/SUBCONTRACTORS SHALL NOT SCALE ANY DRAWING.

4. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND CHECK ALL MEASUREMENTS ON JOB AND SHALL BE RESPONSIBLE FOR SAME.

5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT BUILDING CODE. DEMOLITION PERMITS MUST BE SECURED BEFORE ANY WORK IS DONE.

6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND ARCHITECTURAL DRAWINGS.

7. ALL OPENINGS IN WALLS, FLOORS, ROOF, ETC., TO BE LOCATED AND SIZED AS PER MECHANICAL AND ARCHITECTURAL REQUIREMENTS, EVEN IF NOT SHOWN AS SUCH ON STRUCTURAL AND ARCHITECTURAL.

8. ALL WALLS SHALL BE ADEQUATELY BRACED UNTIL THE ENTIRE STRUCTURAL FRAME HAS BEEN INSTALLED AND IS STRUCTURALLY SOUND.

9. CONTRACTOR SHALL FOLLOW ACCEPTED TRADE PROCEDURES AND MANUFACTURER'S STANDARDS AND SHALL PRODUCE THE PROJECT IN A GOOD AND WORKMAN-LIKE MANNER. ALL MATERIALS ARE TO BE NEW AND CONTRACTOR SHALL NOT SUBSTITUTE ANY STRUCTURAL GRADE MATERIALS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT.

10. ALL CONTRACTORS AND SUBCONTRACTORS ON THIS PROJECT SHALL BE RESPONSIBLE FOR THE PROPER PERFORMANCE OF THEIR WORK. COORDINATION WITH OTHER TRADES, METHODS, SAFETY AND SECURITY ON THE JOB SITE. THE ARCHITECT AND HIS AGENTS AND EMPLOYEES ARE NOT RESPONSIBLE OR LIABLE FOR THE ABOVE AND SHALL BE HELD HARMLESS AND INDEMNIFIED BY ALL CONTRACTORS AND SUBCONTRACTORS FROM ANY AND ALL CLAIMS, LOSSES, SUITS, AND LEGAL ACTION WHATSOEVER ARISING FROM THE PERFORMANCE OF WORK ON THIS PROJECT.

11. ALL ELECTRICAL, PLUMBING, HEATING AND AIR-CONDITIONING WORK SHALL BE FILED WITH THE CITY AND INSTALLED BY LICENSED CONTRACTORS.

12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE SITE PRIOR TO BID IN ORDER TO FAMILIARIZE HIMSELF WITH ON-SITE.

13. SMOKE DETECTORS TO BE A/C HARD WIRED INTERCONNECTED WITH RECHARGEABLE BATTERY BACK-UP.

14. REFER TO MANUF. SPECS. FOR ALL INSTALLATIONS.

SCOPE OF DOCUMENT:

THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPT: THE DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS AND THE TYPE OF STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS.

AS SCOPE DOCUMENTS, THE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL THE WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE GENERAL SCOPE INDICATED OR DESCRIBED. THEREFORE, CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE PROJECT.

AS PER THE WORK ITEMS INCLUDED WITHIN THIS DOCUMENT; THE ARCHITECT'S DECISIONS ON THESE ITEMS SHALL BE FINAL AND BINDING ON THE OWNER AND CONTRACTOR.

NOTES

1. ALL INTERIOR FINISHES ARE TO BE CHOSEN BY THE OWNER.
2. THE MIN. HEADROOM IN ALL PARTS OF A STAIRWAY SHALL NOT BE LESS THAN 6'-8" MEASURED VERTICALLY FROM THE TREAD NOSING OR FROM THE FLOOR SURFACE OF THE LANDING OR PLATFORM. ALL STAIRS TREAD MIN. 11", STAIR RISER MAX. 7".
3. VERIFY CLEARANCES AND DIMENSIONS WITH MANUFACTURER.
4. ANY AND ALL REVISIONS TO THE STRUCTURE MUST BE SIGNED AND SEALED BY A LICENSED ENGINEER AND APPROVED BY THE ARCHITECT.
5. ALL WOOD TO BE DOUGLAS FIR LARCH NO. 2 WITH:
   F = 1250 PSI (SINGLE)
   F = 1450 PSI (REPET.)
   F = 95 PSI (SHEAR)
   F = 1050 PSI (COMP.)
   E = 1,700,000 PSI
6. ALL LINTELS ARE TO HAVE 1/2" PLYWOOD FILLER. (TYPICAL - ALL WINDOWS & DOORS - ENTIRE BUILDING
7. ALL CONNECTIONS TO BE MADE WITH MECHANICAL FASTENERS BY SIMPSON OR APPROVED EQUAL

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phone : 973 391 6757
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REVISIONS:

PROJECT:
PROPOSED NEW SHOW-ROOM AND INTERIOR RENOVATION TO AN EXISTING WAREHOUSE .

ADDRESS:
470 BELLEVILLE TURNPIKE
NORTH ARLINGTON, NJ
LOTS: 16 & 17
BLOCK: 129

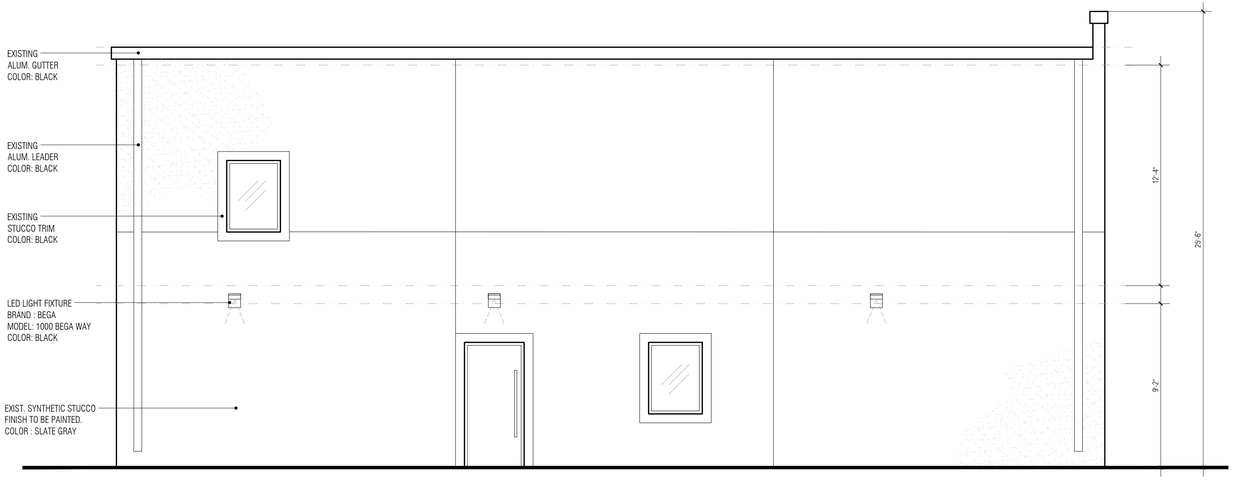
CLIENT:
JULIO BONILLA

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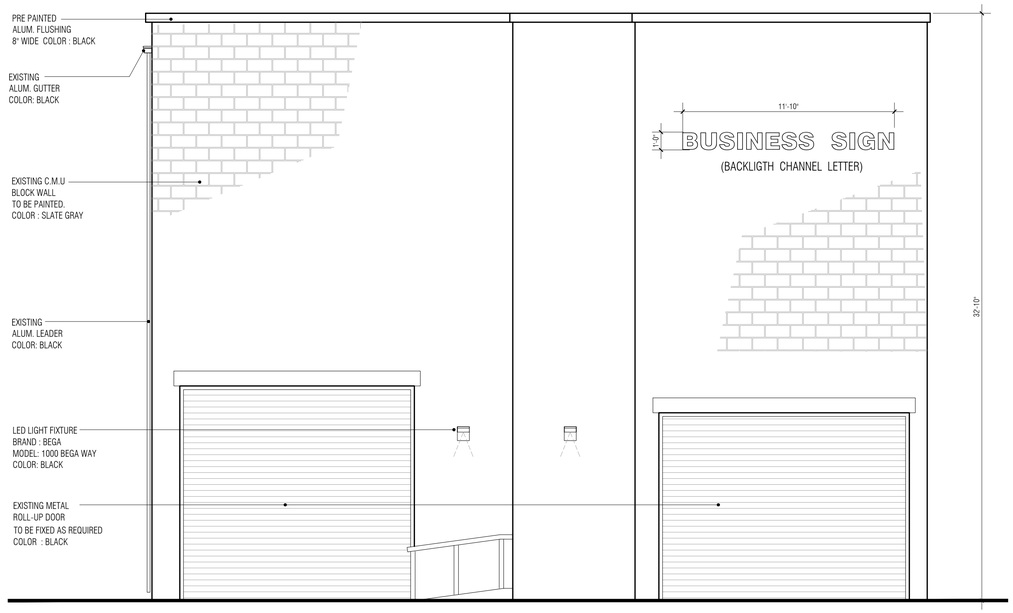
Drawn by:	MP
Checked by:	JVL
Issue date:	07-12-24
Project #:	24023

SHEET TITLE:
COVER SHEET / SITE PLAN

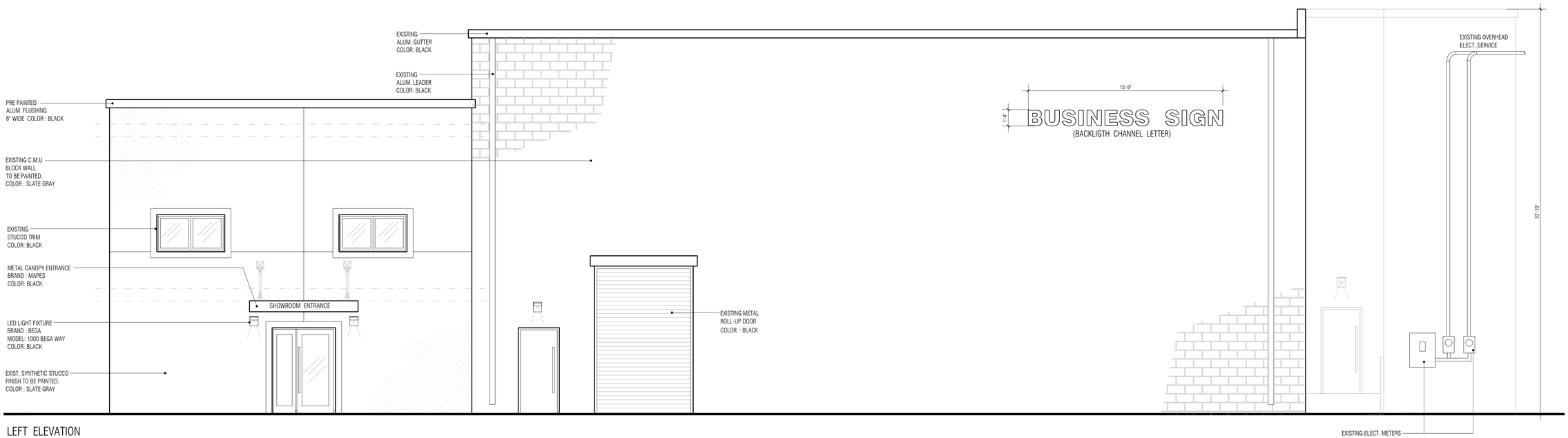
DWG #:	SHEET #:
T-100	1 OF 6



REAR ELEVATION
SCALE: 1/4"=1'-0"



FRONT ELEVATION @ BELLEVILLE TURNPIKE
SCALE: 1/4"=1'-0"



LEFT ELEVATION
SCALE: 1/4"=1'-0"

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ADDRESS:

470 BELLEVILLE TURNPIKE
NORTH ARLINGTON, NJ

LOTS: 16 & 17
BLOCK: 129

CLIENT:

JULIO BONILLA

DRAWING INFO:

Drawn by:	MP
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Issue date:	07-12-24
Project #:	24023

SHEET TITLE:

ELEVATIONS

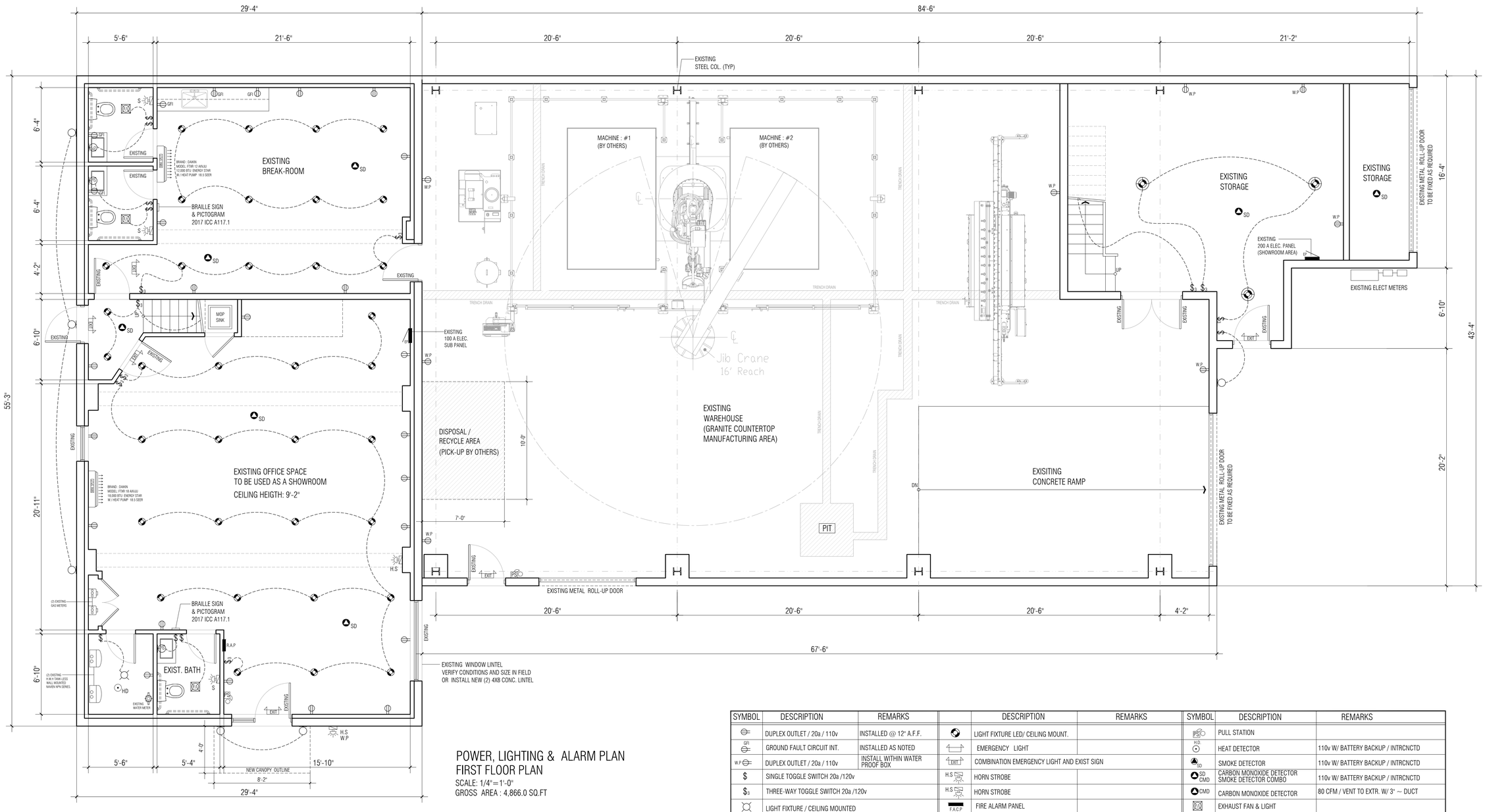
DWG #:	SHEET #:
A-100	2 OF 6

IBC 2021Section 1203.1: General. Buildings shall be provided with natural ventilation in accordance with Section 1203.4, or mechanical ventilation in accordance with the International Mechanical Code.
Where the air infiltration rate is less than 5 air changes per hour when tested with the blower door at a pressure of 0.2 inch w.c. (50 Pa) in accordance with Section 402.4.1.2 of the International Energy Conservation Code-Residential Provisions, the dwelling unit shall be ventilated by mechanical means in accordance with Section 403 of the International Mechanical Code.

BATHROOM NOTES

- INSTALL NEW ADA GRAB BARS AS PER2021 NJ REHAB CODE 5:23-6.5.2 (ii) and (iii) SEE DETAILS SHEET #6

-INSTALL NEW BRAILLE SIGN & PICTOGRAM IN ALL EXISTING BATHROOMS ENTRANCES AS PER 2017 ICC A117.1



POWER, LIGHTING & ALARM PLAN
FIRST FLOOR PLAN

SCALE: 1/4"=1'-0"
GROSS AREA : 4,866.0 SQ.FT

SYMBOL	DESCRIPTION	REMARKS	SYMBOL	DESCRIPTION	REMARKS	SYMBOL	DESCRIPTION	REMARKS
	DUPLEX OUTLET / 20a / 110v	INSTALLED @ 12" A.F.F.		LIGHT FIXTURE LED/ CEILING MOUNT.		PS	PULL STATION	
GFI	GROUND FAULT CIRCUIT INT.	INSTALLED AS NOTED		EMERGENCY LIGHT		H.D	HEAT DETECTOR	110v W/ BATTERY BACKUP / INTRCNCTD
W.P	DUPLEX OUTLET / 20a / 110v	INSTALL WITHIN WATER PROOF BOX	EXIT	COMBINATION EMERGENCY LIGHT AND EXIST SIGN		SD	SMOKE DETECTOR	110v W/ BATTERY BACKUP / INTRCNCTD
$	SINGLE TOGGLE SWITCH 20a /120v		H.S	HORN STROBE		SD CMD	CARBON MONOXIDE DETECTOR SMOKE DETECTOR COMBO	110v W/ BATTERY BACKUP / INTRCNCTD
$3	THREE-WAY TOGGLE SWITCH 20a /120v		H.S	HORN STROBE		CMD	CARBON MONOXIDE DETECTOR	80 CFM / VENT TO EXTR. W/ 3" ~ DUCT
	LIGHT FIXTURE / CEILING MOUNTED		F.A.C.P	FIRE ALARM PANEL			EXHAUST FAN & LIGHT	
	150 W UFO HIGH BAY LED LIGHT (WAREHOUSE AREA)		R.A.P	REMOTE ANNUNCIATOR PANEL		EP	ELECTRICAL PANEL	

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PROJECT:

PROPOSED NEW SHOW-ROOM AND INTERIOR RENOVATION TO AN EXISTING WAREHOUSE .

ADDRESS:

470 BELLEVILLE TURNPIKE
NORTH ARLINGTON, NJ

LOTS: 16 & 17
BLOCK: 129

CLIENT:

JULIO BONILLA

DRAWING INFO:

Drawn by:	MP
Checked by:	JVL
Issue date:	07-12-24
Project #:	24023

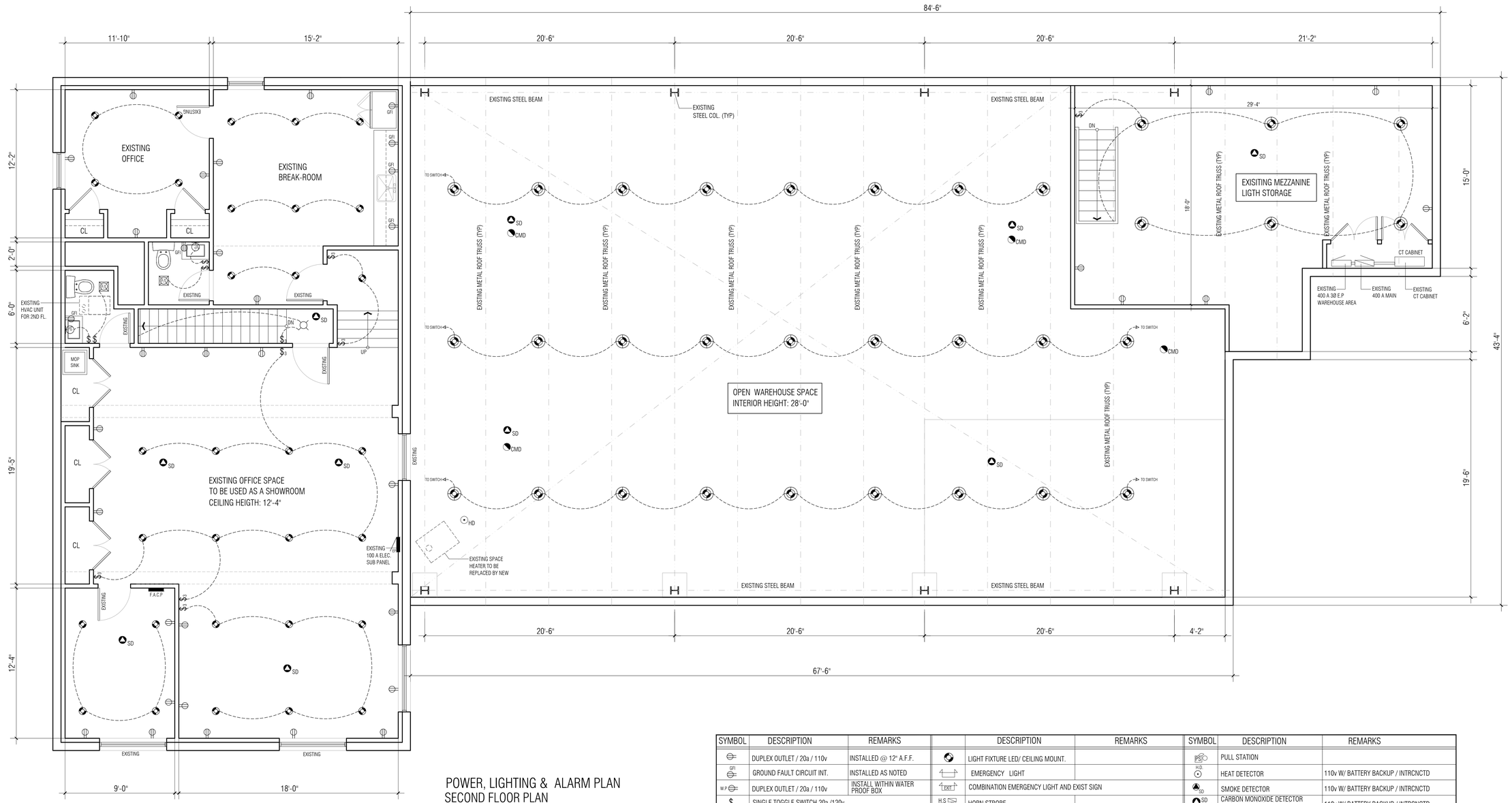
SHEET TITLE:

FIRST FLOOR ELECTRICAL PLAN

DWG #:	SHEET #:
E-100	3 OF 6

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LATEST EDITION, NEW JERSEY UNIFORM CONSTRUCTION CODE, NEW JERSEY UNIFORM FIRE CODE, AND PSE&G REQUIREMENTS.
2. ALL ELECTRICAL WORK IS TO BE PERFORMED BY AN ELECTRICAL CONTRACTOR LICENSED IN THE STATE OF NEW JERSEY.
3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS AS WELL AS SCHEDULING AND OBTAINING ALL NECESSARY INSPECTIONS OF THE WORK BY LOCAL AUTHORITIES HAVING JURISDICTION.
4. INSTALL NEW MAIN SERVICE CONNECTIONS TO THE BUILDING, WITH NEW MAIN DISCONNECT, EXTERIOR CONDUIT AND CONDUCTORS TO EXISTING PSE&G OVERHEAD MAIN OR NEW TRANSFORMER.
5. REFER TO DIAGRAMS FOR GENERAL ARRANGEMENT OF ELECTRICAL SERVICE EQUIPMENT.
6. COORDINATE LAYOUT OF ELECTRICAL SERVICE EQUIPMENT WITH G.C. AND TELEPHONE/ CABLE TV UTILITIES PRIOR TO INSTALLATION TO COORDINATE ARRANGEMENT OF EQUIPMENT ON PANEL.
7. SCOPE OF WORK: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING SERVICE TO THE BUILDING, PROVIDING AND INSTALLING SERVICE TO THE BUILDING, PROVIDING AND INSTALLING SERVICE SERVICE ENTRANCE EQUIPMENT, FEEDERS TO DWELLING UNITS, AS WELL AS ALL WORK WITHIN THE DWELLING UNITS WHICH IS REQUIRED TO PROVIDE A FINISHED INSTALLATION.
8. ALL ELECTRICAL FIXTURES AND EQUIPMENT ARE TO BE AS CHOSEN BY THE OWNER.
9. ALL WIRING IS TO BE RUN CONCEALED IN WALL, FLOOR OR CEILING CONSTRUCTION. FIRE CAULK AND SEAL ALL WIRE PENETRATIONS THROUGH FIRE RATED PARTITIONS OR FLOOR-CEILING ASSEMBLIES.
10. ALL WIRING FROM POLE TO SERVICE ENTRANCE EQUIPMENT IS TO BE INSULATED COPPER WIRE IN NON-METALLIC CONDUIT.
11. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING ALL ELECTRICAL WORK IN THE DWELLING UNITS, AND VERIFYING THE CONTINUITY AND GROUNDING OF EACH BRANCH CIRCUIT AND THE PROPER OPERATION OF ALL DEVICES.
12. PROVIDE ENGRAVED PLASTIC NAMEPLATES AT EACH METER/DISC. LOCATION IDENTIFYING DWELLING UNIT SERVED.
13. PROVIDE GROUNDING FOR SERVICE ENTRANCE AS PER NEC SECTION 250, AS SHOWN ON THE ELECTRICAL SERVICE DIAGRAM INCLUDING, BUT NOT LIMITED TO, GROUNDING TO FOUNDATION REBAR. COORDINATE WITH G.C. TO INSTALL GROUND DURING FOOTING INSTALLATION.
14. ALL INTERIOR WIRING IS TO BE NON-METALLIC SHEATHED CABLE WITH INSULATED COPPER WIRE. ALL EXTERIOR AND SERVICE ENTRANCE WIRING IS TO BE RUN IN NON-METALLIC CONDUIT OR EMT.
15. ALL PENETRATIONS THROUGH FLOOR ASSEMBLIES, CORRIDOR WALLS AND OTHER SIMILAR FIRE-RATED PARTITIONS SHALL RECEIVE CODE COMPLIANT FIRESTOPPING TO MAINTAIN FIRE RATING OF ASSEMBLY PENETRATED. PENETRATIONS OF CONDUITS 2" DIA. OR GREATER SHALL BE INSTALLED WITH FIRESTOP COLLARS.
16. ONLY PRE-WIRE JUNCTION BOXES FOR VISUAL ALARM INDICATING DEVICES WITHIN APARTMENT UNITS. INSTALL BOXES BACK-TO-BACK WHERE POSSIBLE.
17. OWNER WILL PURCHASE AND PROVIDE TO CONTRACTOR LIGHT FIXTURES AT CORRIDORS AND LOBBIES (AS INDICATED ON PLANS). CONTRACTOR IS RESPONSIBLE FOR WIRING, INSTALLING BOXES, AND INSTALLING THE OWNER-PROVIDED FIXTURES.



POWER, LIGHTING & ALARM PLAN
SECOND FLOOR PLAN

SCALE: 1/4"=1'-0"
GROSS AREA : 2,196.0 SQ.FT

SYMBOL	DESCRIPTION	REMARKS	SYMBOL	DESCRIPTION	REMARKS	SYMBOL	DESCRIPTION	REMARKS
	DUPLEX OUTLET / 20a / 110v	INSTALLED @ 12" A.F.F.		LIGHT FIXTURE LED/ CEILING MOUNT.		PS	PULL STATION	
GFI	GROUND FAULT CIRCUIT INT.	INSTALLED AS NOTED		EMERGENCY LIGHT		H.D	HEAT DETECTOR	110v W/ BATTERY BACKUP / INTRCNCTD
W.P	DUPLEX OUTLET / 20a / 110v	INSTALL WITHIN WATER PROOF BOX	EXIT	COMBINATION EMERGENCY LIGHT AND EXIST SIGN		SD	SMOKE DETECTOR	110v W/ BATTERY BACKUP / INTRCNCTD
$	SINGLE TOGGLE SWITCH 20a /120v		H.S	HORN STROBE		SD CMD	CARBON MONOXIDE DETECTOR SMOKE DETECTOR COMBO	110v W/ BATTERY BACKUP / INTRCNCTD
$3	THREE-WAY TOGGLE SWITCH 20a /120v		H.S	HORN STROBE		CMD	CARBON MONOXIDE DETECTOR	80 CFM / VENT TO EXTR. W/ 3" ~ DUCT
	LIGHT FIXTURE / CEILING MOUNTED		F.A.C.P	FIRE ALARM PANEL			EXHAUST FAN & LIGHT	
	150 W UFO HIGH BAY LED LIGHT (WAREHOUSE AREA)		R.A.P	REMOTE ANNUNCIATOR PANEL		EP	ELECTRICAL PANEL	

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REVISIONS:

PROJECT:

PROPOSED NEW SHOW-ROOM AND INTERIOR RENOVATION TO AN EXISTING WAREHOUSE

ADDRESS:

470 BELLEVILLE TURNPIKE
NORTH ARLINGTON, NJ

LOTS: 16 & 17
BLOCK: 129

CLIENT:

JULIO BONILLA

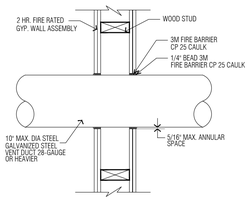
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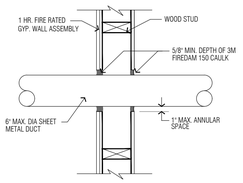
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SECOND FLOOR ELECTRICAL PLAN

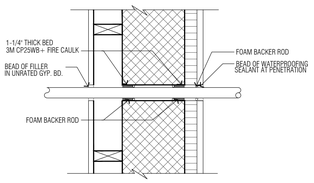
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E-200	4 OF 6



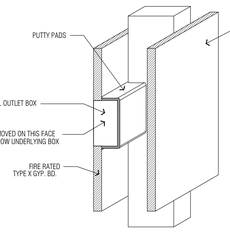
PENETRATION FIRESTOP FOR 10" MAX. DIA. STEEL VENT DUCT
THROUGH A GYPSUM WALLBOARD ASSEMBLY - 2 HR. RATED
U.L. LISTING - NO. 147
SCALE: NTS



PENETRATION FIRESTOP FOR NOM. 6" MAX. DIA. RIGID SHEET METAL
AIR INTAKE / EXHAUST DUCT THROUGH A GYPSUM WALLBOARD ASSEMBLY - 1 HR. RATED
U.L. LISTING - W-L-1167
SCALE: NTS



PENETRATION FIRESTOP FOR 2" MAX. DIA. PLASTIC PIPE
THROUGH A CONRETE BLOCK WALL ASSEMBLY - 2 HR. RATED
U.L. LISTING - W-J-2029
SCALE: NTS



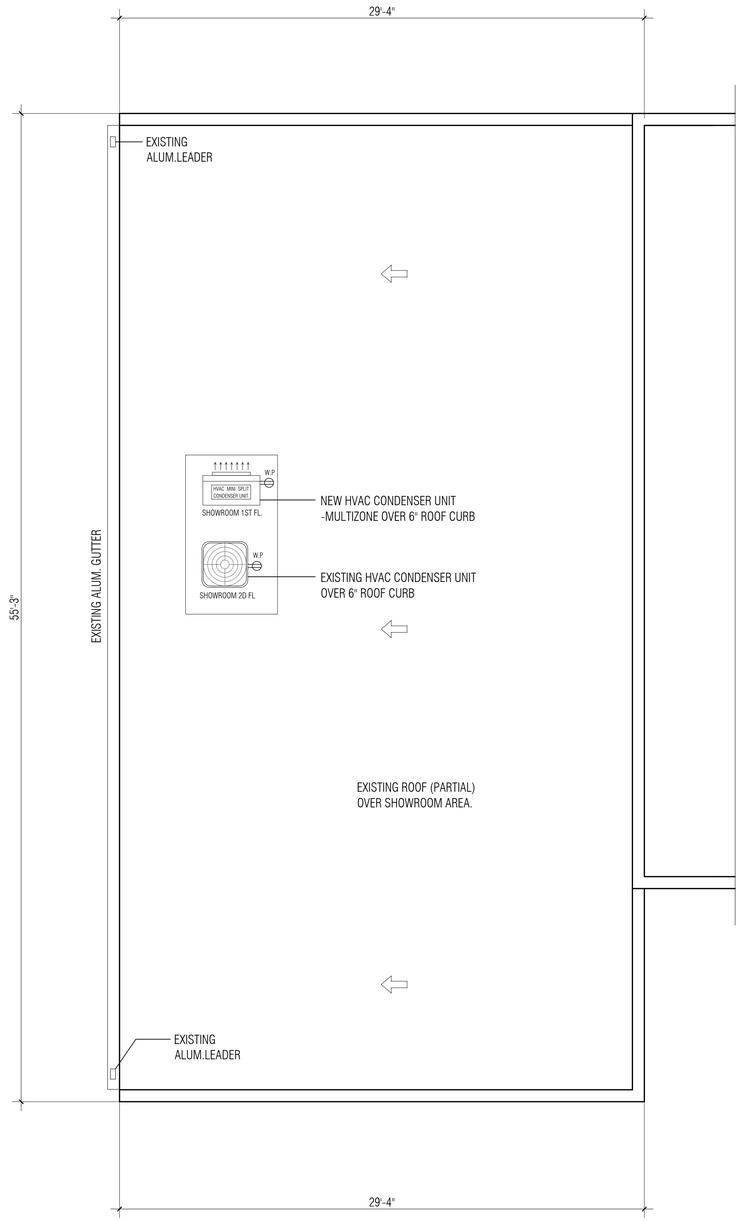
WALL ASSEMBLY - CONSTRUCTED IN THE MANNER SPECIFIED IN THE U400 SERIES DESIGNS AS SHOWN IN THE UL FIRE RESISTANCE DIRECTORY.

METALLIC OUTLET BOX - MAX 4-11/16" X 4-11/16" STEEL OUTLET BOX INSTALLED IN ACCORDANCE WITH NFPA 70 REGULATIONS. THE BOX CAN BE THE SAME STUD CAVITY, PROVIDED THEY ARE NOT INSTALLED BACK-TO-BACK.

NELSON FSP PUTTY PADS SHALL BE APPLIED 1/8" THICK OR 1/4" THICK PADS TO COVER THE OUTLET BOX COMPLETELY WITHIN THE STUD CAVITY. MOLD THE PAD SO THAT NO GAPS ARE PRESENT BETWEEN THE PAD AND THE GYPSUM WALL.

TESTED IN ACCORDANCE WITH:
ASTM E-119
ANSI/UL 263

GYPSUM WALL
ELECTRICAL OUTLET BOX
WALLBOARD ASSEMBLY- 1 HR. ASSEMBLY
SCALE: NTS



ROOF PLAN (PARTIAL)
SCALE: 1/4"=1'-0"

100 Amp SHOWROOM FIRST FLOOR

100 A 120/208V; 1 PH., 60 HZ.

CKT. NO.	BRKR. AMPS	DESCRIPTION		DESCRIPTION	BRKR. AMPS	CKT. NO.
1	15	SHOWRROM LIGHT		SHOWROOMPOWER	20	2
3	15	SHOWROOM LIGHT		SHOWROOM POWER	20	4
5	20	SHOWROOM LIGHT		SHOWROOM POWER	20	6
7	15	SHOWROOM LIGHT		SHOWROOM POWER	20	8
9	15	BREAK ROOM APPLIANCE		MICROWAVE	20	10
11	15	BATHROOM #1 FAN		BATHROOM #1 POWER	20	12
13	15	BATHROOM #2 FAN		HOT WATER HEATER – DIRECT VENT	20	14
15	15	BATHROOM #3 FAN		HOT WATER HEATER – DIRECT VENT	20	16
17	15	HALLWAY LIGTH		HALLWAY POWER	20	18
19	30	HVAC CONDENSER		EXTERIOR LIGTH	20	20
21	30			ALARM	20	22
23		SPARE		SPARE	15	24

100 AMP RATING MAIN LUGS ONLY

120/208V; 1 PH., 60 HZ.

A B
PHASE

NOTE:
1. PROVIDE NOTE ON PANEL SCHEDULE, SMOKE DETECTOR CIRCUIT TO BE KEPT ON AT ALL TIMES
2. ELECTRICAL CONTRACTOR SHALL PERFORM FINAL LOAD BALANCING AND PROVIDE THE OWNER WITH A RED-LINED SET OF AS BUILTS.
3. ALL CIRCUITS WITHIN DWELLING SHALL BE PROVIDED WITH ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION EXCEPT FOR CIRCUITS SERVING KITCHENS, BATHROOMS AND OUTDOOR LOCATIONS.

100 Amp SHOWROOM SECOND FLOOR

100 A 120/208V; 1 PH., 60 HZ.

CKT. NO.	BRKR. AMPS	DESCRIPTION		DESCRIPTION	BRKR. AMPS	CKT. NO.
1	15	SHOWRROM LIGHT		SHOWROOMPOWER	20	2
3	15	SHOWROOM LIGHT		SHOWROOM POWER	20	4
5	20	SHOWROOM LIGHT		SHOWROOM POWER	20	6
7	15	BREAKROOM LIGTH		BREAKROOM POWER	20	8
9	15	BREAK ROOM APPLIANCE		MICROWAVE	20	10
11	15	BATHROOM #1 FAN		BATHROOM #1 POWER	20	12
13	15	BATHROOM #2 FAN		BATHROOM #2 POWER	20	14
15	15	HALLWAY LIGTH		HALLWAY POWER	20	16
17	15	SPARE		ALARM	20	18
19	30	HVAC CONDENSER			20	20
21	30			SPARE	20	22
23		SPARE		SPARE	15	24

100 AMP RATING MAIN LUGS ONLY

120/208V; 1 PH., 60 HZ.

A B
PHASE

NOTE:
1. PROVIDE NOTE ON PANEL SCHEDULE, SMOKE DETECTOR CIRCUIT TO BE KEPT ON AT ALL TIMES
2. ELECTRICAL CONTRACTOR SHALL PERFORM FINAL LOAD BALANCING AND PROVIDE THE OWNER WITH A RED-LINED SET OF AS BUILTS.
3. ALL CIRCUITS WITHIN DWELLING SHALL BE PROVIDED WITH ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION EXCEPT FOR CIRCUITS SERVING KITCHENS, BATHROOMS AND OUTDOOR LOCATIONS.

INDOOR EMURA™ WALL MOUNT UNIT CTXS_QVJUWS)					
Model Name			CTXG09QVJUAWS	CTXG12QVJUAWS	CTXG18QVJUAWS
Outdoor Unit Compatibility (Multi-Zone Only)			2MXS18NMVJU 3MXS24NMVJU 4MXS36NMVJU RMXS48LVJU	2MXS18NMVJU 3MXS24NMVJU 4MXS36NMVJU RMXS48LVJU	3MXS24NMVJU 4MXS36NMVJU RMXS48LVJU
			2MXL18QMVJU	2MXL18QMVJU	
			3MXL24QMVJU	3MXL24QMVJU	3MXL24QMVJU
Cooling Capacity (Nominal)*		BTU/h	9,000	12,000	19,500
Heating Capacity (Nominal)*		BTU/h	11,300	15,000	22,500
Power Supply		V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
Airflow Rate (H/L)		CFM	367/293	420/374	437/381
Sound Pressure - Cooling (H/L)		dB(A)	39/25	45/26	46/35
Sound Pressure - Heating (H/L)		dB(A)	41/28	45/29	47/35
Piping Connections	Liquid (O.D.)	in.	Ø 1/4	Ø 1/4	Ø 1/4
	Gas (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 1/2
	Condensate Drain (O.D.)	in.	Ø 1-1/32	Ø 1-1/32	Ø 1-1/32
Dimensions (H x W x D)		in.	11⁹/₁₆ x 39⁹/₁₆ x 8⁹/₁₆		
Net Weight		lbs.	26	26	26

* Data provided when connnected to MXS models. Values are dependent on outdoor unit connected



Year round Comfort

Daikin Emura™ is a highly Intelligent system with innovative features

2-Area Intelligent Eye.
The two-area intelligent eye sensor controls comfort in two ways. If the room is empty for 20 minutes, it changes the set point to start saving energy. As soon as someone enters the room, it immediately returns to the original setting. The intelligent eye also directs air flow away from people in the room to avoid cold drafts.

3-D Airflow.
To ensure a harmonized temperature throughout the room, the Daikin Emura 3D air flow system combines vertical and horizontal auto-swing creating an even distribution of air throughout the room to the corners of even large spaces.

Comfort Mode.
Draft-free operation improves comfort. When cooling, the flap positions itself horizontally to prevent cold airflow from being blown directly onto the body. When heating, the flap turns vertically downwards to drive warm air to the bottom of the room.

Night Set Mode.
Rapid changes in room temperature can disturb your sleep. To avoid this, Daikin Emura prevents overheating or over-cooling during the night. If the timer is switched on, the unit will automatically set the temperature to 0.9°F warmer in cooling and 3.6°F cooler in heating.

Clean Air.
A sophisticated titanium apatite photo-catalytic air purification filter helps clean the air.



ADDITIONAL INFORMATION
Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer. **Visit www.daikincomfort.com**

ENERGY STAR® and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ENERGY STAR products are third-party certified by an EPA-recognized Certification Body. Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency.

Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit www.energystar.gov.

Our continuing commitment to quality products may mean a change in specifications without notice.
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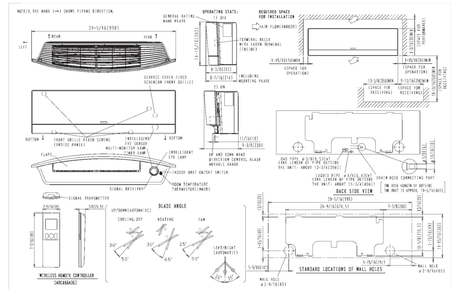
PF-EMURA 11-16

RX-W Series **EDUS092212A**

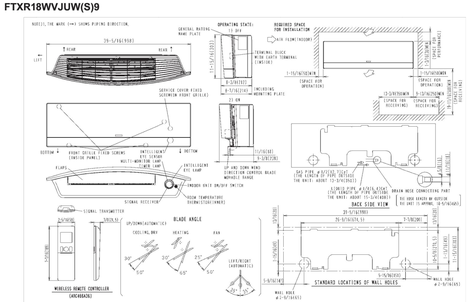
4. Dimensions

4.1 Indoor Unit

FTXR09/12WVJUW(S)9



FTXR18WVJUW(S)9



15

SEAL:

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REVISIONS:

PROJECT:

PROPOSED NEW SHOW-ROOM AND INTERIOR RENOVATION TO AN EXISTING WAREHOUSE .

ADDRESS:

470 BELLEVILLE TURNPIKE
NORTH ARLINGTON, NJ

LOTS: 16 & 17
BLOCK: 129

CLIENT:

JULIO BONILLA

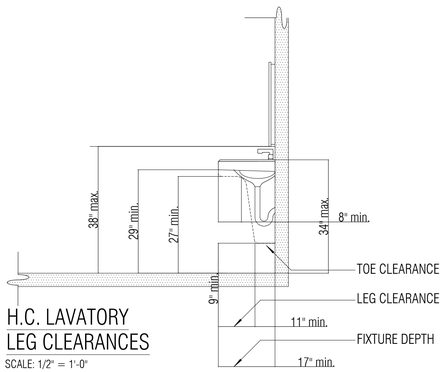
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Project #:	24023

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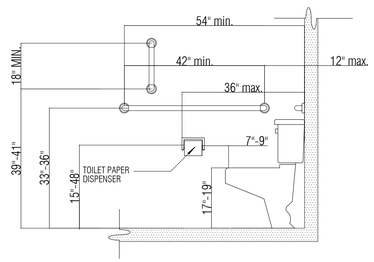
ELECT. PANELS /
MINI SPLIT SPECS
ROOF PLAN

DWG #:	SHEET #:
D-100	5 OF 6

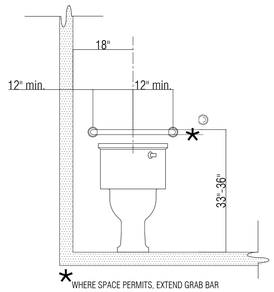


H.C. LAVATORY LEG CLEARANCES

SCALE: 1/2" = 1'-0"



H.C. WATER CLOSET SIDE VIEW

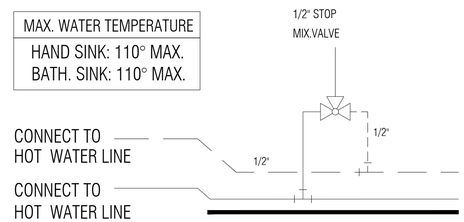


H.C. WATER CLOSET FRONT VIEW

PLUMBING NOTES:

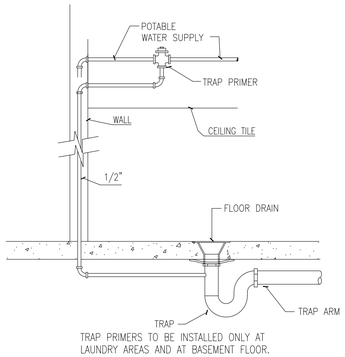
1. ALL PLUMBING WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL STANDARD PLUMBING CODE AND THE NJ UNIFORM CONSTRUCTION CODE.
2. THE PLUMBING WORK IS TO BE PERFORMED BY A CONTRACTOR OR SUB-CONTRACTOR LICENSED IN THE STATE OF N.J.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PLUMBING PERMITS AND INSPECTIONS FOR THE WORK.
4. PROVIDE AND INSTALL ALL NEW INTERIOR WATER DISTRIBUTION PIPING, OF PEX PIPE AND TUBING WITH PEX CONNECTIONS. DISTRIBUTION PIPING SHALL BE 2" SCH. 80 CPVC.
5. ALL KITCHENS SINK DRAINS AND WATER PIPING SHALL BE INSTALLED TO ACCOMMODATE THE FIXTURE BEING INSTALLED AT HEIGHTS RANGING FROM 29" TO 36".
6. ALL WATER CONNECTIONS ARE TO BE MADE WITH PEX COMPATIBLE FITTINGS ONLY.
7. PROVIDE SHUT-OFF CONNECTIONS AT ALL PLUMBING FIXTURES.
8. PROVIDE 1/2" ARMAFLEX PIPE INSULATION AT ALL HOT WATER PIPING.
9. PROVIDE NEW 4" DIAMETER PVC SANITARY HOUSE SEWER CONNECTION.
10. ALL INTERIOR DRAIN, WASTE AND VENT PIPING IS TO BE SCH. 40 PVC PIPING WITH CEMENTED CONNECTIONS.
11. PROVIDE DRAIN, WASTE AND VENT PIPING FOR ALL FIXTURES INDICATED.
12. ALL SANITARY LINES SHALL BE SLOPED A MINIMUM OF 1/4" PER FOOT.
13. PROVIDE ALL PLUMBING FIXTURES AS SELECTED BY OWNER- COORDINATE.
14. COORDINATE GAS SERVICE CONNECTION & SIZE WITH PSE&G REP.
15. PROVIDE ALL NEW BLACK IRON GAS PIPING WITH THREADED CONNECTIONS AND/OR CSST FLEX PIPES FOR APARTMENT RANGES, FURNACES.
16. VERIFY EXISTING GAS SERVICE PRESSURE WITH GENERATOR MANUFACTURER'S RECOMMENDED GAS REQUIREMENTS.
17. ALL PENETRATIONS THROUGH FLOOR ASSEMBLIES, CORRIDOR WALLS AND OTHER SIMILAR FIRE-RATED PARTITIONS SHALL RECEIVE CODE COMPLIANT FIRE STOPPING TO MAINTAIN FIRE RATING OF PENETRATED ASSEMBLY. PENETRATIONS OF PIPES 2" DIA. OR GREATER SHALL BE INSTALLED WITH FIRE STOP COLLARS.

MAX. WATER TEMPERATURE
HAND SINK: 110° MAX.
BATH. SINK: 110° MAX.



MIXING VALVE DETAIL

NOT TO SCALE



TRAP PRIMERS TO BE INSTALLED ONLY AT LAUNDRY AREAS AND AT BASEMENT FLOOR.

TRAP PRIMER DETAIL

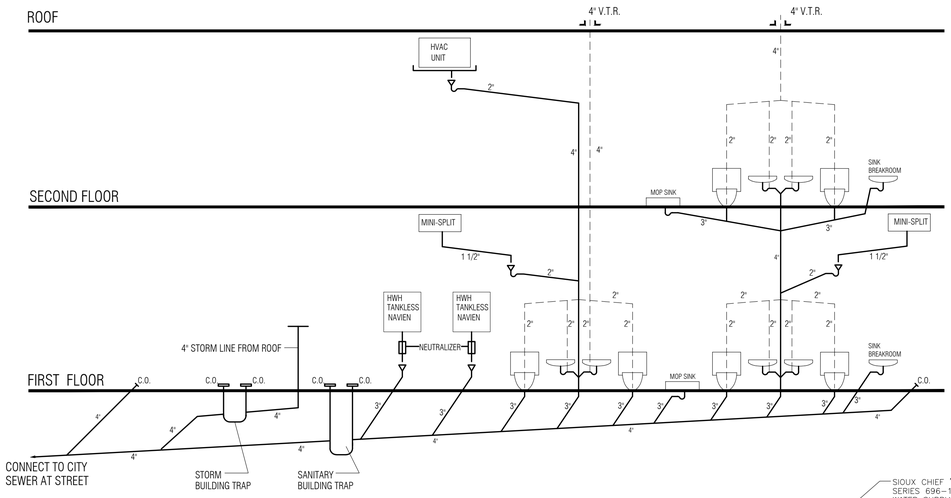
NOT TO SCALE

MECHANICAL NOTES

1. PROVIDE RECESSED WALL CONNECTIONS FOR LAUNDRY EQUIPMENT.
2. PROVIDE ALL RIGID AND FLEXIBLE DUCTWORK FOR CEILING AND WALL REGISTERS AND GRILLES.
3. PROVIDE BALANCING VOLUME DAMPERS AT EACH REGISTER.
4. PROVIDE DIGITAL PROGRAMMABLE ENERGY STAR RATED THERMOSTATS FOR EACH FURNACE UNIT.
5. ALL HEATING AND COOLING DUCTS SHALL BE WRAPPED WITH 4.2 DUCT INSULATION.
6. ALL DUCTWORK JOINTS SHALL BE SEALED WITH MASTIC.
7. AN OUT OF STREAM FIRE DAMPER IS TO BE INSTALLED AT THE MAIN TRUNK LINE OF EACH INDIVIDUAL FURNACE UNIT AS IT PENETRATES THE FIRE RATED CEILING ASSEMBLY (DAMPER SHALL COMPLY WITH UL 555).
8. ALL REGISTERS THAT PENETRATE A FIRE RATED ASSEMBLY ARE TO BE RADIATION DAMPERS, INSTALLED & PROVIDED BY THE MECHANICAL CONTRACTOR (RADIATION DAMPERS TO COMPLY WITH UL 555).
9. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITIONS OF THE N.J. STATE UNIFORM CONSTRUCTION CODE (UCC), 2015 IBC, 2015 INTERNATIONAL MECHANICAL CODE, 2015 NATIONAL ELECTRIC CODE, 2015 NATIONAL STANDARD PLUMBING CODE, 2015 INTERNATIONAL FUEL GAS CODE, 2015 IECC, ASHRAE, SMANA, OSHA, NFPA AND LOCATION INSPECTOR'S OVERRIDING JURISDICTION.
10. DURING CONSTRUCTION, COMPLETELY SEAL ALL DUCTS AND HVAC EQUIPMENT OPENINGS WITH PLASTIC FILM AND TAPE UNTIL AFTER FINAL CLEARING OF UNIT. IF DUCTED SYSTEM IS TO BE USED DURING CONSTRUCTION, INSTALL MERV 8 FILTERS ON ALL RETURN GRILLS TO CONTAIN DUST.

FIRE AND CEILING DAMPER NOTES

1. IT IS THE HVAC SUBCONTRACTOR'S RESPONSIBILITY TO INSURE THAT:
   A. ALL HVAC DUCTWORK PENETRATIONS OF FIRE RATED PARTITIONS, WALLS AND CEILINGS ARE PROVIDED WITH FIRE DAMPER ASSEMBLIES. ALL FIRE DAMPERS MUST BE ACCESSIBLE AND SHALL HAVE REMOVABLE DUCT SECTIONS AND ACCESS PANELS AT WALLS OR CEILINGS AS NECESSARY TO ACCOMPLISH THIS.
   B. ALL REGISTER ASSEMBLIES IN THE DWELLING UNITS THAT PENETRATE THE CEILING ASSEMBLY DRYWALL FROM DUCTS THAT ARE WITHIN THE FIRE RATED FLOOR-CEILING ASSEMBLY ARE TO BE PROVIDED WITH RATED CEILING RADIATION DAMPERS (UL 555 RATED).
   C. THE MAIN SUPPLY DUCT FROM THE FURNACES ARE TO BE PROVIDED WITH FIRE DAMPERS WHERE THEY PENETRATE THE CEILING DRYWALL INTO THE FLOOR-CEILING ASSEMBLY.
2. IT IS THE HVAC SUBCONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL PENETRATIONS OF CEILINGS AND FIRE RATED WALLS ARE PROVIDED WITH THE NECESSARY FIRE DAMPERS OR RADIATION DAMPERS, WHETHER INDICATED ON THE DRAWING OR NOT.
3. COORDINATE FINAL EXHAUST LOCATIONS AS INDICATED IN THESE DRAWINGS.

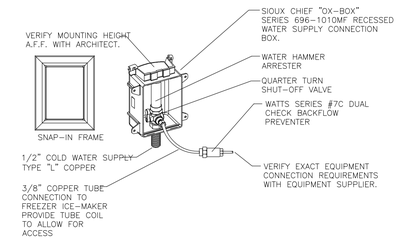


PLUMBING RISER DIAGRAM

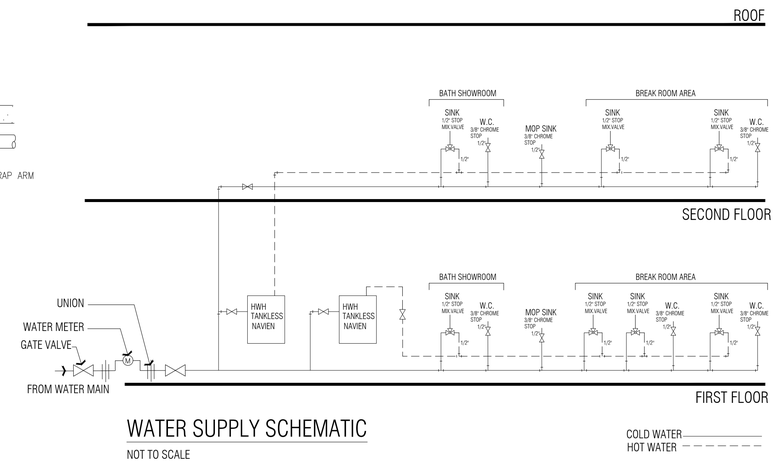
NOT TO SCALE

PIPE SCHEDULE

SANITARY - ABS/PVC - SCHED. 40 (OR APPROVED MATERIAL AS PER TABLE 3.4 OF NSPC 2021) HOT WATER - COPPER/PEX (OR APPROVED MATERIAL AS PER TABLE 3.4 OF NSPC 2021) C.W.S. - COPPER/PEX (OR APPROVED MATERIAL AS PER TABLE 3.4 OF NSPC 2021) VENT - ABS/P.V.C. - SCHED. 40 (OR APPROVED MATERIAL AS PER TABLE 3.4 OF NSPC 2021) FIXTURES WITHOUT INTEGRAL TRAPS MUST BE TRAPPED. A CLEANOUT IS REQUIRED AT THE UPPER END OF ANY HORIZONTAL DRAIN LINE OVER 5'-0" IN LENGTH. SANITARY RISER DIAGRAM FOR SCHEMATIC PURPOSES ONLY. PLUMBING CONTRACTOR SHALL VERIFY DESIGN & FIELD CONDITIONS AS PER ALL APPLICABLE CODES & ORDINANCES AND SHALL BE RESPONSIBLE FOR FINAL DESIGN.

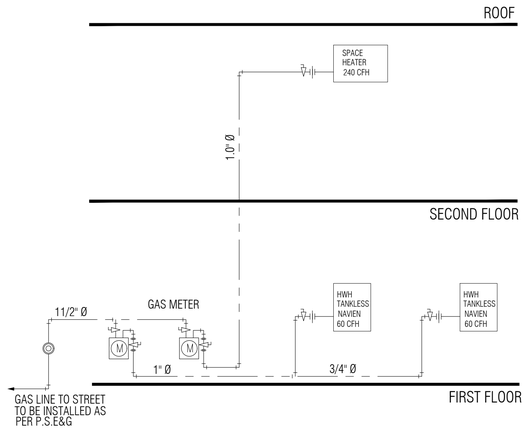


RECESSED WATER SUPPLY CONNECTION BOX FOR REFRIGERATOR/FREEZER ICE MAKER
N.T.S.



WATER SUPPLY SCHEMATIC

NOT TO SCALE



SCHEMATIC GAS RISER DIAGRAM

NOT TO SCALE

NOTE: -GENERAL CONTRACTOR TO VERIFY W/PSE&G IF NEW GAS SERVICE WILL BE NECESSARY. -PROVIDE DRIP LEG, VALVE AND UNION AT EACH APPLIANCE.

TOTAL BTU DEMAND : 360 CFH = 360,000 BTU
MAX. DEVELOPED GAS PIPE LENGTH = 75 FEET
GAS PIPES SIZED AS PER TABLE 402.4 (1)
2021 NTERNATIONAL FUEL GAS CODE

SEAL:

JEFFREY V. LEWIS
REGISTERED ARCHITECT
NJ LICENSE # AI018118

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REVISIONS:

PROJECT:

PROPOSED NEW SHOW-ROOM AND INTERIOR RENOVATION TO AN EXISTING WAREHOUSE .

ADDRESS:

470 BELLEVILLE TURNPIKE
NORTH ARLINGTON, NJ

LOTS: 16 & 17
BLOCK: 129

CLIENT:

JULIO BONILLA

DRAWING INFO:

Drawn by:	MP
Checked by:	JVL
Issue date:	07-12-24
Project #:	24023

SHEET TITLE:

PLUMBING

DWG #:	SHEET #:
P-100	6 OF 6