AIM RECYCLING SCALE HOUSE

267 Marilla Street,
Buffalo, NY 14220

Mech./Elec./Plumbing/FP Engineer:

KROMAC Design, Inc.
10225 Main Street, Suite 10B
Clarence, New York 14031
716-803-8787

Structural Engineer:

Studio T3 Engineering, PLLC
2495 Main St #301
Buffalo, NY 14214
716-803-6400



OWNER:

75 Steel City Court,
Hamilton, ON L8H 3Y2 CA
365.384.3113

Construction Manager:

TBD

CARMINA WOOD DESIGN

Buffalo | Utica | Greensboro

Bid Set

PRELIMINARY
NOT FOR CONSTRUCTION

Date Issued: 11/06/2026

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Architectural Abbreviations

A B	Anchor Bolt
ADD'L	Additional
A F F	Above Finish Floor
AGG	Aggregate
ALT	Alternate
AL ALUM	Aluminum
APPROX	Appoximate
AVG	Average
B C	Block Courses
BD	Board
BET	Between
BEW	Bottom Each Way
BLDG	Building
BM	Beam
BNT	Bent
B O F	Bottom of Footing
BOT	Bottom
BSM	Basement
CEIL	Ceiling
C.J.	Control Joint
℄	CenterLine
CLR.	Clear
C M U	Concrete Masonary Unit
COL	Column
CONN	Connection
CONC	Concrete
CONT	Continued/Continuous
CONST.	Construction
CRS	Course(s)
DIA	Diameter
DET	Detail
DWG	Drawings
EA	Each
E F	Each Face
E J	Expansion Joint
ELEC	Electrical
ELEV EL	Elevation
EMBED	Embedment
E W	Each Way
E W E F	Each Way Each Face
EXT	Exterior
EXST.	Existing
FABRIC	Fabrication
FDN	Foundation
F F FIN FLR	Finish Floor
FAST	Fasteners
F G	Full Glass
FIN	Finish
FLASH	Flashing
FL	Floor
F O B	Face of Block
F O C	Face of Concrete
FOUND FDN	Foundation
F P	Fire Protection
FTG	Footing
GA	Gauge
GALV	Galvanized
GWB	Gypsum Wallboard
HD	Head
H M	Hollow Metal
HORIZ	Horizontal
HR	Hour
H T	High Temperature
HT	Height
HYD	Hydraulic
ID	Inside Diameter
INFO	Information
INSUL	Insulation
JT	Joint
LG	Long
KB	Knee Brace
L H	Left Hand
L H R B	Left Hand Reverse Bevel
LLV	Long Leg Vertical
LLH	Long Leg Horizontal
LT WT	Light Weight
MA	Masonry
MAT	Masonary Tee
MANUF	Manufacturer
MAX	Maximum
MECH RM	Mechanical Room
MIN	Minimum
MC	Misc Channel
MECH	Mechanical
MET MTL	Metal
MIN	Minimum
M O	Masonry Opening
N	North
N I C	Not in Contract
NO	Number
NOM	Nominal
N R	Non-rated
N & S	North and South
O C	On Center
O D	Outside Diameter
O H	Overhead
OPNG	Opening
OPP HAND	Opposite Hand
PBAM	Provided by Arch Manuf.
P F	Pre-finish
PL	Plate
PNEU	Pneumatic
PR	Pair
PREFIN	Prefinished
PSF	Pounds per Square Foot
PSI	Pounds per Square Inch
PT	Paint
PVC	Poly Vinyl Chloride
R	Riser
R/CMU	Reinforced Concrete Block
REG	Regular
REG	Regular
REINF	Reinforcment
REQ	Required
R H	Right Hand
R H R B	Right Hand Reverse Bevel
RM	Room
S	South
SC	Shear Connector
SCHED	Schedule
SECT	Section
SHT.	Sheet
SIM	Similar
SPECS	Specification
STD	Standard
STIFF	Stiffener
STL	Steel
STRUCT	Structural
TEMP	Temperature
THK	Thick
T O	Top of
T O B	Top of Block
T O C	Top of Concrete
T O F	Top of Footer
T O S	Top of Steel
TYP	Typical
U N O	Unless Noted Otherwise
U O N	Unless Otherwise Noted
VERT	Vertical
W	Wide
W/	With
WD	Wood
WF	Wide Flange
W/R	Water Resistant
W W F	Welded Wire Fabric
W W M	Welded Wire Mesh

Architectural Materials

Hatch Patterns

- Brick Elevation
- Brick Section
- Existing Brick Section
- CMU Elevation
- CMU Section
- Existing CMU Section
- Concrete Elevation
- Concrete Section
- Existing Concrete Section
- Wood Section
- Existing Wood Section
- E.F.I.S. Elevation
- Geo-Foam Section
- Lapp Siding
- Ashpalt Shingles
- Shake Shingles
- Standing Seam Roof
- Ridged Insulation Section
- Batt Insulation
- Glass
- Gypsum
- Spray Foam Insulation
- Aluminum Section
- Plywood Section
- Gravel Section
- Earth Section
- 36 x 12 Running Stone Elevation
- Field Stone Elevation
- Wood Blocking, Nailer (Continuous)
- Wood Blocking, Interrupted or Shims
- Sealant w/ Bond Break Tape
- Sealant w/ Backer Rod (1/2 X, X)

Architectural Drawing Symbols

NOTE: For all other legends not listed here, refer to desired sheets for additional legends and drawing information

Architectural Dimensions

4' - 10 3/8" — 1/8" Precision Min.

4' - 10 3/8" — 1/8" Precision Min. — Indicates column location

DATUM LINE

Name / Elevation Height — Level Lines - Finish Floor - Roof - B.O. Structure etc...

Elevation Target

Datum / Working Point

Column Lines

Ex 1 — Existing Construction

Ex A

Column Lines

0 — New Construction

A

Sheet Veiw Title

1 / A-100 — View Name — 1/8" = 1'-0"

Drawing Number; Drawing Label; Drawing Scale; Sheet Number Where View is Located, or Referenced From

Room Tag

Room name / 101 — Room Tag Enumeration - Level 1 - 101, 102, 103... - Level 2 - 201, 202, 203...

Door Tag

101A — Room Number - Door that its Associated with - A,B,C... (Door Enumeration)

Building Section Locator

1 / A101 — Direction of View; Detail Number; Sheet Number

Wall Section Locator

1 / A101 — Direction of View

Detail Section Locator

Direction of View

Elevation Locator

1 Ref / Ref / A101 / Ref / 1 Ref — Sheet Number; Detail Number

Call out Tag

1 / A101 — SIM — Detail Number; SIM, OH, TYP - Where Applicable; Sheet Number Where Section, Detail, or Plan is Located; Call Out Scope Box

Revision Cloud and Tag

1 — Revision Number - Refer to Sheet for Revision Name and Coordination

Wall Type Symbol

X — Refer to Wall Partition Type Schedule for Wall Types

Window Type Symbol

Exterior Window — W / x — Refer to Window Schedule for Window Types

Interior Window — W / x — Refer to Window Schedule for Window Types

Curtain Wall / Storefront Tag

SF- x — Prefix : (CW) Curtain Wall (SF) Storefront; Elevation Number - Refer to Curtain Wall/ Storefront Schedule

Align Symbol

ALIGN

Centerline Symbol

Slope Symbol

SLOPE — Direction of Slope

1/2" / FT — Rise of Slope

Exterior Elevation Material Keynote

1 — Number Refers to Exterior Elevation Material Legend Number

Demolition Keynote

1 — Number Refers to Demolition Callout Annotation Numbers; Annotation Locator

North Identifcation

N

CPT-X / B-X — Floor finish; See I-700 for finish information. Base finish; See I-700 for finish information.

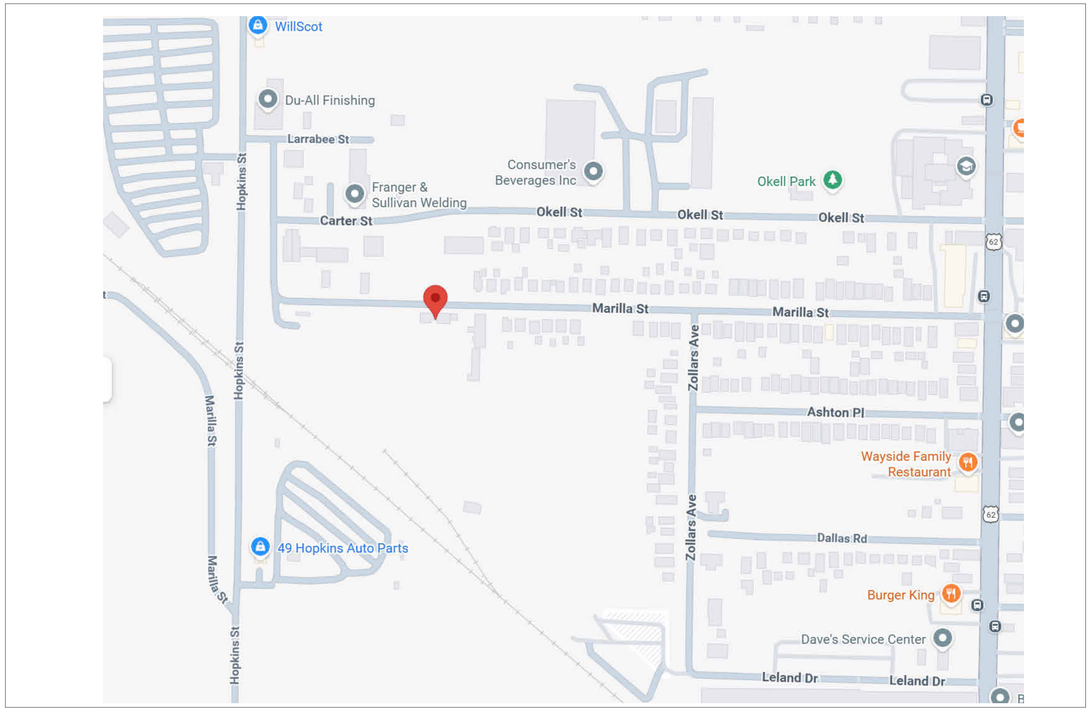
PT-X — Wall or other finish; See I-700 for finish information.

X — Keynote; See keynote legend on sheet.

X — Signage; See I-900 for information.

Drawing Index - Issued for Bid & Permit

SHEET NUMBER	SHEET NAME	Sheet Issue Date	Sheet Issued For	CURRENT REVISION	CURRENT REVISION DATE
General					
G-000	Cover Sheet	02/27/2026	Permit		
G-001	General Notes, Symbols & Drawings Index	03/13/2026	Permit		
Code Compliance					
CC-000	Code Compliance Summary	03/13/2026	Permit		
CC-100	Code Compliance Plans	03/13/2026	Permit		
Structural					
S-000	Structural Notes	03/13/2026	Permit		
S-100	Foundation Plan, Sections & Details	03/13/2026	Permit		
S-101	Scale Foundation Plan and Sections	11/06/26			
S-200	Framing Plans	03/13/2026	Permit		
S-300	Typical Details	03/13/2026	Permit		
Architecture					
A-001	Wall Types - Non-Rated Partitions	03/13/2026	Permit		
A-101	Floor Plans	03/13/2026	Permit		
A-200	Restroom & Appliance Information	03/13/2026	Permit		
A-201	Enlarged Restroom Plans	03/13/2026	Permit		
A-250	Vert. Circulation Details	03/13/2026	Permit		
A-251	Enlarged Stair Plans & Sections	03/13/2026	Permit		
A-300	Reflected Ceiling Plans & Details	03/13/2026	Permit		
A-400	Roof Plan & Details	03/13/2026	Permit		
A-500	Exterior Elevations	03/13/2026	Permit		
A-501	Exterior Signage and Details	03/13/2026	Permit		
A-600	Building Sections & Details	03/13/2026	Permit		
A-601	Wall Sections & Details	03/13/2026	Permit		
A-700	Door & Window Elevations, Details, Schedules	03/13/2026	Permit		
Interiors					
I-000	Interiors Notes, Symbols & Typical Details	03/13/2026			
I-100	Enlarged Finish & Signage Plans	03/13/2026	Permit		
I-200	Enlarged Plans, Elevations, & Details	03/13/2026	Permit		
I-600	Millwork Sections	03/13/2026			
Mechanical					
M-100	Schedules and Notes	03/09/26	Permit		
M-101	First and Second Floor Plans	03/09/26	Permit		
Electrical					
E-100	Schedules and Notes	03/13/2026	Permit		
E-101	First and Second Floor Plans - Lighting	03/13/2026	Permit		
E-102	First and Second Floor Plans - Power	03/13/2026	Permit		
E-103	Electrical Schedules	03/13/2026	Permit		
E-104	Electrical Details	03/13/2026	Permit		
E-105	Electrical Specifications	03/13/2026	Permit		
Plumbing					
P-100	Schedules and Notes	03/13/2026	Permit		
P-101	First and Second Floor Plans - Waste & Vent	03/13/2026	Permit		
P-102	First and Second Floor Plans - Water	03/13/2026	Permit		
P-103	Details	03/13/2026	Permit		
Grand total: 38					



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Project Location Map

N.T.S.

CARMINA WOOD DESIGN
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RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 03/13/2026

DRAWING NAME:

General Notes, Symbols & Drawings Index

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.

G-001

Project No: 24-1121

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BUILDING CODE SUMMARY

Name of Project: AIM RECYCLING SCALE HOUSE		
Address: 267 Marilla Street, Buffalo	State: New York	Zip Code: 14220
Owner/Authorized Agent: Joel Williams	Phone #: (905) 547-5533	E-Mail: jowilliams@aim-recycling.com

Contact Information:

Designer	Firm	Name	License #	Telephone #	E-Mail
Architectural	Carmina Wood Design	Dan Buchanan		( )	dbuchanan@carminawooddesign.com
Civil				( )	
Structural	Studio T3	Lauri Traynor		(716) 803-6400	Lauri@studiot3engineering.com
Mechanical	Kromac	Kevin O' Donnell		(716) 803-8787	kevin@kromacdesign.com
Electrical	Kromac	Kevin O' Donnell		(716) 803-8787	kevin@kromacdesign.com
Plumbing	Kromac	Kevin O' Donnell		(716) 803-8787	kevin@kromacdesign.com
Fire Protection				( )	
Other				( )	

Applicable Codes:

2025 Building Code of New York State (2025 BCNYS)
ADA - ICC/ANSI A117.1 - 2017
2024 NFPA Life Saftey Code (NFPA 101)
2025 Energy Conservation Construction Code of New York State (2025 ECCCNYS)

2025 NY Building Code:

New Building: ☑	Addition: ☐	Renovation: ☐	1st Time Interior Completion: ☐		
Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements: ☐					
Phased Construction - Shell/Core- Contact the local inspection jurisdiction for possible additional procedures and requirements: ☐					

2025 NY Existing Building Code:

Prescriptive: ☐	Work Area: ☐	Performance: ☐	Alteration:	Level I: ☐	Level II: ☐	Level III: ☐	Historic Property: ☐	Change of Use: ☐
Constructed (Date):			Current Occupancy(s) (Ch. 3):					
Renovated (Date):			Proposed Occupancy(s) (Ch. 3):					
Risk Category (Table 1604.5):			Current:	I: ☐	II: ☐	III: ☐	IV: ☐	
			Proposed:	I: ☐	II: ☐	III: ☐	IV: ☐	

Basic Building Data:

Construction Type:	I-A: ☐	II-A: ☐	III-A: ☐	IV: ☐	V-A: ☐	Sprinklers:	No: ☑	Yes: ☐	Partial: ☐	NFPA 13: ☐	NFPA 13R: ☐	NFPA 13D: ☐
	I-B: ☐	II-B: ☐	III-B: ☐		V-B: ☑	Standpipes:	No: ☑	Yes: ☐	Class:	I: ☐	II: ☐	III: ☐	Wet: ☐	Dry: ☐
						Fire District:	No: ☑	Yes: ☐	Flood Hazard Area:	No: ☑	Yes: ☐	
Special Inspection Required:	No: ☐	Yes: ☑ (Contact the local inspection jurisdiction for additional procedures and requirements.)										

Chapter 3: Occupancy Classification(s)

Primary Occupancy Classification:

Assembly:	A-1: ☐	A-2: ☐	A-3: ☐	A-4: ☐	A-5: ☐	
Business:	☑					
Educational:	☐					
Factory:	F-1 Moderate: ☐	F-2 Low: ☐				
Hazardous:	H-1 Detonate: ☐	H-2 Deflagrate: ☐	H-3 Combust: ☐	H-4 Health: ☐	H-5 HPM: ☐	
Institutional:	I-1 Condition: ☐	1: ☐	2: ☐			
	I-2 Condition: ☐	1: ☐	2: ☐			
	I-3 Condition: ☐	1: ☐	2: ☐	3: ☐	4: ☐	
	I-4: ☐					
Mercantile:	☐					
Residential:	R-1: ☐	R-2: ☐	R-3: ☐	R-4: ☐		
Storage:	S-1 Moderate: ☐	S-2 Low: ☐	High-piled: ☐			
	Parking Garage: ☐	Open: ☐	Enclosed: ☐	Repair Garage: ☐		
Utility and Miscellaneous:	☐					
Accessory Occupancy Classification(s):						

Chapter 4: Special Detailed Requirements Based on Use and Occupancy

Detailed Occupancy and Use Requirements:

Topic	Building Code Section	Comments

Chapter 5: General Building Heights and Areas

Building Height in Feet (Table 504.3):

Occupancy	Construction Classification	Allowable	Shown on Plan(s)
B	VB	40'-0"	21'-0"

Building Height in Stories (Table 504.4):

Occupancy	Construction Classification	Allowable	Shown on Plan(s)
B	VB	2 Stories	2 Stories

Story No.	Occupancy	BLDG Area per Story (Actual)	Table 506.2 Area	Area for Frontage Increase[2]	Allowable Area per Story or Unlimited[1,3]
1st Floor	B	1,176 sqft.	9,000 sqft.		9,000 sqft.
2nd Floor	B	882 sqft.	9,000 sqft.		9,000 sqft.

No.	Note & Formulas
1	Allowable Area is based on tabulated values in section 506.2.1 through 506.2.4
	A_t = Tabular allowable area factor (NS, S13R, S13D or SM value, as applicable) = _____ (A_t)
	NS = Tabular allowable area factor in accordance with Table 506.2 for a nonsprinklered building = _____ (NS)
	S_a = Actual number of building stories above grade plane = _____ (S_a)
	A_a =Allowable Area = A_a=[A_t + (NS x I_f)] x S_a = _____ (A_a)
2	Frontage increase is based on the unsprinklered area value in Table 506.3
	F = Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
	P = Total Building Perimeter = _____ (P)
	F/P = Ratio (F/P) = _____ (F/P)
	W = Minimum width of public way = _____ (W)
	I_f = Percent of frontage increase If = 100[F/P - 0.25] x W/30 = _____ (%)
3	Unlimited area applicable under conditions of Section 507.

Separation Occupancies (508.4):

Mixed Occupancy:	No: ☑	Yes: ☐	Separation:	Hr.	Exception:
$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$					

Special Provisions (Ch. 5)	Building Code Section	Comments

Gross Building Areas:

Floor	Existing (Sq/Ft)	New (Sq/Ft)	Sub-Total
1st Floor	N/A	1,176 sqft.	1,176 sqft.
2nd Floor	N/A	882 sqft.	882 sqft.
Total			2,058 sqft.

Chapter 6: Types of Construction

Fire-Resistance Rating Requirements (Table 601):

Building Element	Type I		Type II		Type III		Type IV		Type V	
	A	B	A	B	A	B	A	B	A	B
Primary Structural Frame										0
Bearing Walls										
Exterior										0
Interior										0
Nonbearing Walls & Partitions										
Exterior										0
Nonbearing Walls & Partitions										
Interior										0
Floor Construction and Associated Secondary Members										0
Roof Construction and Associated Secondary Members										0

Actual Fire Separation Distance		

Chapter 7: Fire and Smoke Protection Features

Fire Protection Requirements:

Building Elements	Fire Separation Distance (Feet)	Rating		Design # for Rated Assembly
		Req'd	Provided (w/_____* Reduction	
Structural frame, including columns, girders, trusses		0		
Bearing Walls				
Exterior		0		
Interior		0		
Nonbearing Walls and Partitions				
Exterior		0		
Interior		0		
Interior Wall Partitions		0		
Floor Construction Including Support Beams and Joists		0		
Floor Ceiling Assembly		0		
Shaft Enclosures - Exit		N/A		
Shaft Enclosures - Other		N/A		
Corridor Separation		N/A		
Occupancy/Fire Barrier Separation		N/A		
Party/Fire Wall Separation		N/A		
Smoke Barrier Separation		N/A		
Smoke Partition		N/A		
Tenant/Dwelling Unit/Sleeping Unit Serration		N/A		
Incidental Use Separation		N/A		

Maximum Area of Exterior Wall Openings (Table 705.8):

Fire Separation Distance (Ft) From Property Lines	Degree of openings Protection	Allowable Area (%)	Actual Area Shown on Plans (%)
30 Feet or Greater	Unprotected, Nonsprinklered	No Limit	

Chapter 9: Fire Protection and Life Safety Systems

Fire Protection System:

System Type	Building Code Section	Required/Allowed	Comments
Automatic Sprinkler System	Section 903	No: ☑ Yes: ☐	Proposed Bldg Not Sprinklered - Egress & Area Calcs based on BCNYS Table 506.2
Alt. Fire Extinguishing System	Section 904	No: ☑ Yes: ☐	
Standpipe System	Section 905	No: ☑ Yes: ☐	
Portable Fire Extinguishers	Section 906	No: ☐ Yes: ☑	
Fire Alarm Systems	Section 907	No: ☐ Yes: ☑	
Emergency Alarm Systems	Section 908	No: ☑ Yes: ☐	
Smoke Control	Section 909	No: ☑ Yes: ☐	
Smoke and Heat Vents	Section 910	No: ☑ Yes: ☐	
Fire Command Center	Section 911	No: ☑ Yes: ☐	

Chapter 10: Means of Egress

Occupancy Load Chart (Section 1004):

Floor Level	Function of Space	Area	Occupancy Load Factor (1004.5)	Calculated # of Occupants
1st Floor	Buisness	1,176 sqft.	See Plans	14 Persons
2nd Floor	Buisness	882 sqft.	150 Gross	6 Persons
Total				20 Persons

Exit Access Travel Distance (Table 1017.2):

Occupancy Type	With Sprinkler System (Ft)
Buisness	200 Feet

Minimum Width Based on Component (1005.2):

Component	Capacity Factor (Inches/Occupants)	Occupant Load Served	Required Capacity (In Inches)	Actual Provided Capacity (In Inches)
Stairways	0.3	14 Persons	4.2"	36"
Other Egress Component	0.2	14 Persons	2.8"	36"

Corridor Fire-Resistance Rating (Table 1020.1):

Occupancy Type	Occupant Load Served	With Sprinkler System (Hr)
Buisness	6	0 Hr.

Minimum Corridor Width (Table 1020.2):

Occupancy	With Sprinkler System (Inches)
Buisness	36"

Chapter 11: Accessibility

Multistory Buildings and Facilities (Section 1104.4):

At least one accessible route shall connect each accessible story, mezzanine and occupiable roofs in multilevel buildings and facilities.
Exceptions:
1. An accessible route is not required to stories, mezzanines and occupiable roofs that have an aggregate area of not more than 3,000 square feet and are located above or below accesible levels.

Chapter 29: Plumbing Systems

Plumbing Fixture Requirements (Table 2902.1):

Occupancy		Waterclosets			Urinals	Lavatories			Showers/Tub	Drinking Foundations	Other
		Male	Female	Single-User		Male	Female	Single-User			
Buisness	Req'd	1	1	N/A	N/A	1	1	N/A	N/A	1 per 500	1 Serv. Sink
	Provided	2	1	1	1	2	1	1	3	Water Provided in Breakroom	N.P
	Req'd										
	Provided										
	Req'd										
	Provided										

Energy Summary:

Energy Requirements		The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.
Existing building envelope complies with code:		No: ☐ Yes: ☐
Exempt Building:		No: ☐ Yes: ☐ (The remainder of this section is not applicable)
Climate Zone:		3A: ☐ 4A: ☐ 5A: ☑ 6A: ☐
Method of Compliance:	Energy Code:	Performance ☐ Prescriptive ☑
	ASHRAE 90.1:	Performance ☐ Prescriptive ☐
	If "Other" Specify here	

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 03/13/2026

DRAWING NAME:
Code Compliance Summary

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
CC-000

Project No: 24-1121

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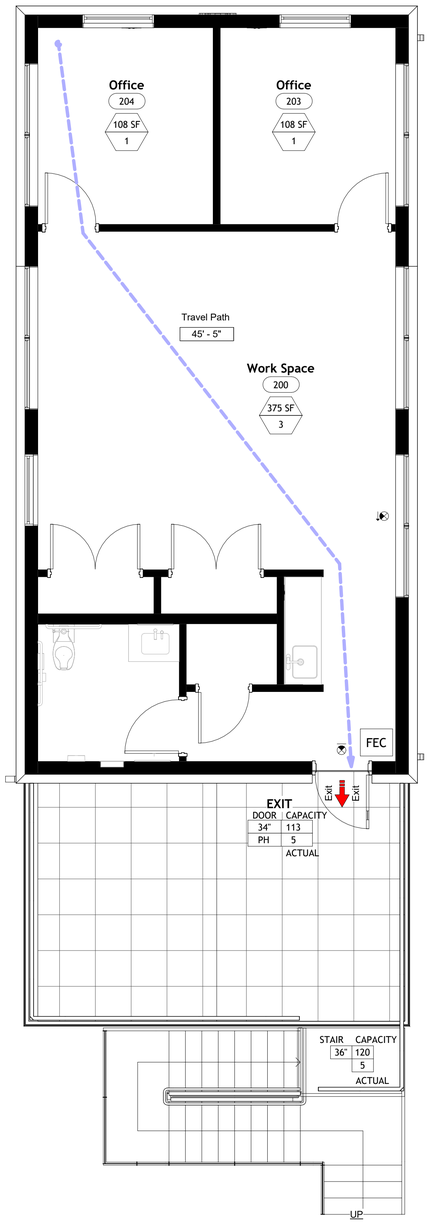
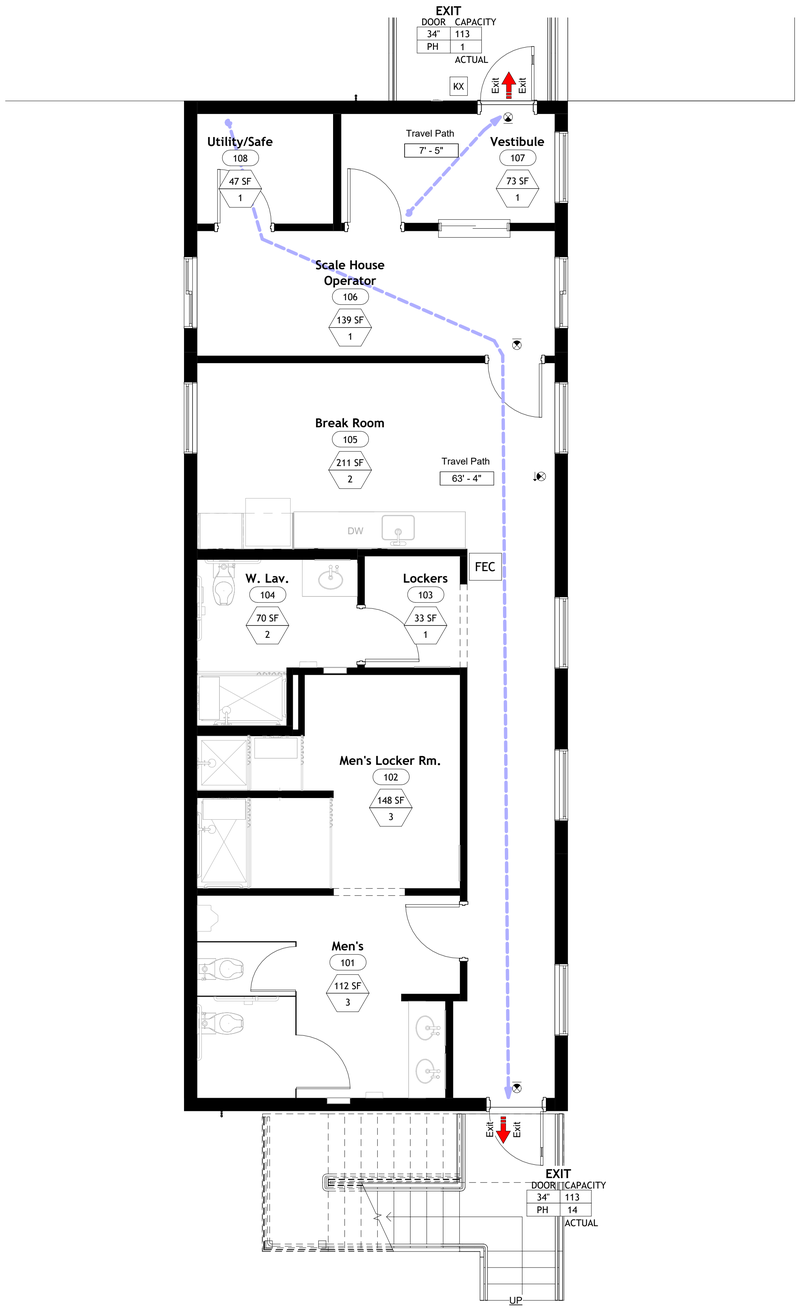
Occupant Loads - Second Floor					
ROOM #	ROOM NAME	AREA	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	CALCULATED # OF OCCUPANTS
200	Work Space	375 SF	Business Area	150	3
203	Office	108 SF	Business Area	150	1
204	Office	108 SF	Business Area	150	1
		590 SF			5

Occupant Loads - First Floor					
ROOM #	ROOM NAME	AREA	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	CALCULATED # OF OCCUPANTS
101	Men's	112 SF	Business Area	50	3
102	Men's Locker Rm.	148 SF	Business Area	50	3
103	Lockers	33 SF	Business Area	50	1
104	W. Lav.	70 SF	Business Area	50	2
105	Break Room	211 SF	Business Area	150	2
106	Scale House Operator	139 SF	Business Area	150	1
107	Vestibule	73 SF	Business Area	150	1
108	Utility/Safe	47 SF	Accessory Storage areas, Mechanical, Equipment	300	1
		834 SF			14



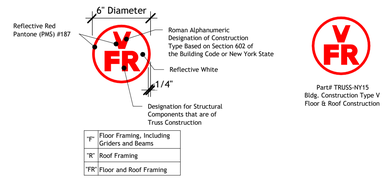
2 CC-100 Second Floor Code Compliance
1/4" = 1'-0"



1 CC-100 First Floor Code Compliance
1/4" = 1'-0"

Code Analysis Symbols Legend

Symbols	Meaning	Symbols	Meaning
DOOR CAPACITY / ACTUAL	Exit Capacity; Actual Occupants; Egress Width; Panic Hardware		Total Travel Distance
STAIR CAPACITY / ACTUAL	Stair Capacity; Actual Occupants; Stair Width		Common Path of Travel
ROOM/AREA	Room/Area (SF); Occupancy Load		Dead End Corridor
			Exit Signs
		Exit / Exit	Exit or Exit Access Door
		FEC	Fire Extinguisher Cabinet
		FACP	Fire Alarm Control Panel
		KX	Fire Department Knox Box
20	1/2 Hr Fire Rated Construction; 20 Min. Fire Rated Door/Window	90	3 Hr Fire Rated Construction; 180 Min. Fire Rated Door/Window
45 60	1 Hr Fire Rated Construction; 45/60 Min. Fire Rated Door/Window		4 Hr Fire Rated Construction
90	2 Hr Fire Rated Construction; 90 Min. Fire Rated Door/Window	180	180 Min. Fire Rated Door/Window



Part# TRUSS-NY15
Bldg. Construction Type V
Floor & Roof Construction

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 03/13/2026

DRAWING NAME:
Code Compliance Plans

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
CC-100

Project No: 24-1121

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GENERAL NOTES:

1. THE STRUCTURAL DESIGN IS IN ACCORDANCE WITH CHAPTER 16 2025 NEW YORK STATE BUILDING CODE.

2. THE GENERAL CONTRACTOR SHALL INSURE THAT ALL WORK IS COMPLETED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES AND ORDINANCES.

3. REPRODUCTION OF ANY PORTION OF THE STRUCTURAL DRAWINGS IS A VIOLATION OF COPYRIGHT LAWS. ALL PLANS, NOTES, DETAILS, AND SECTIONS MUST BE REDRAWN AND COORDINATED WITH THE ARCHITECTURAL DRAWINGS. REPRODUCED CONTRACT DOCUMENTS THAT ARE SUBMITTED WILL NOT BE REVIEWED.

4. THE GENERAL CONTRACTOR SHALL VERIFY ALL INFORMATION SHOWN ON THE PLANS PRIOR TO INITIATING CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE SHOWN ON THE PLANS FOR POSSIBLE MODIFICATION OF THE DESIGN OR DETAILS.

5. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION NOT NOTED ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMPLETION OF SHOP DRAWINGS.

6. ANY DEVIATION FROM, ADDITION TO, SUBSTITUTION FOR, OR MODIFICATIONS TO THE STRUCTURE SHOWN ON THESE DRAWINGS SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS THAT ARE SUBMITTED FOR REVIEW DO NOT CONSTITUTE "IN WRITING" UNLESS IT IS CLEARLY NOTED THAT SPECIFIC CHANGES ARE BEING SUGGESTED.

7. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT WORKERS AND OTHER PERSONS DURING CONSTRUCTION.

8. THE STRUCTURAL DRAWINGS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS OR FIT OF MATERIALS.

9. THE GENERAL CONTRACTOR SHALL BE SOLELY AND EXCLUSIVELY RESPONSIBLE FOR THE ADEQUACY OF ALL SHORING AND BRACING. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION SHORING AND BRACING OF ALL STRUCTURAL WORK AS REQUIRED FOR THE STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY CONDITION WHICH, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS IN THE STRUCTURE.

10. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO INITIATING FABRICATION.

11. DESIGN LOADS:
    OCCUPANCY CATEGORY II
    LIVE LOAD:
    FLOOR: 50 PSF + 15 PSF PARTITIONS

    ROOF DEAD LOAD: 20 P.S.F.
    FLOORS DEAD LOADS:
    WOOD FLOORS: 20 P.S.F.
    SNOW LOAD (GROUND) 50 P.S.F.
    Pf = 35P.S.F.
    C_e = 1.0
    C_T = 1.0
    I = 1.0
    SNOW DRIFT LOADS AS REQUIRED BY ASCE-7-10.

    WIND LOAD:
    3 SECOND GUST SPEED = 115 MPH
    WIND EXPOSURE CATEGORY 'B'
    IMPORTANCE FACTOR 1.0
    INTERNAL PRESSURE COEFFICIENT 0.18

    SITE CLASS 'D'
    SEISMIC DESIGN CATEGORY 'A'

    OTHER DEAD LOADS HAVE BEEN CALCULATED TO INCLUDE THE ACTUAL WEIGHT OF ALL WORK SHOWN ON THE STRUCTURAL DRAWINGS. NO EQUIPMENT SHALL BE PLACED ON OR HUNG FROM THE FLOOR OR ROOF SYSTEMS WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

12. COMPLETE SHOP DRAWINGS FOR THE STRUCTURAL WORK SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF CONSTRUCTION. REVIEW OF SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR CORRECT FABRICATION AND CONSTRUCTION OF THE WORK.

13. PRINCIPAL OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR SLEEVES, CURBS, INSERTS, AND SIMILAR DETAILS NOT SHOWN. SIZE AND LOCATION OF ALL OPENINGS SHALL BE VERIFIED BY THE CONTRACTOR. ANY DEVIATION FROM OPENINGS SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR APPROVAL PRIOR TO CONSTRUCTION.

14. CONSTRUCTION MATERIALS SHALL NOT BE STORED ON FLOORS OR ROOFS IN EXCESS OF THE DESIGN LIVE LOADS UNLESS SPECIFICALLY APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD. IMPACT SHALL BE AVOIDED WHEN PLACING MATERIALS ON FLOORS OR ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENFORCE THESE REQUIREMENTS.

FOUNDATION AND CONCRETE NOTES:

1. FOOTINGS SHALL BEAR ON UNDISTURBED SOIL HAVING AN ALLOWABLE BEARING CAPACITY OF 3,000 POUNDS PER SQ. FT.

2. IF BEARING MATERIALS WITH A LOWER BEARING CAPACITY THAN 3,000 POUNDS PER SQ. FT. ARE ENCOUNTERED, THE UNDERLYING UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER.

3. THE ARCHITECT AND ENGINEER ASSUME NO RESPONSIBILITY FOR THE ADEQUACY OF THE SUBSURFACE CONDITIONS.

4. ANY OBSTRUCTIONS ENCOUNTERED DURING EXCAVATION WHICH MAY INTERFERE WITH THE CONSTRUCTION OF ANY OF THE FOUNDATIONS OR WALLS MUST BE REMOVED AND REPLACED IN COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

5. GENERAL CONTRACTOR SHALL INSURE COMPLIANCE WITH ALL APPLICABLE STATE, COUNTY, AND LOCAL BUILDING ORDINANCES.

6. NO CONCRETE SHALL BE PLACED IN WATER OR ON FROZEN GROUND.

7. ALL CONCRETE AND FOUNDATIONS SHALL BE PROTECTED AGAINST FROST UNTIL THE PROJECT IS COMPLETED.

8. BACKFILL UNDER ANY PORTION OF THE BUILDING OR FOUNDATION SHALL BE COMPACTED IN 6" LIFTS OF 95% COMPACTED FILL AS APPROVED BY THE GEOTECHNICAL ENGINEER.

9. ALL CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-LATEST EDITION) AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301, LATEST EDITION).

10. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT 28 DAYS.

11. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AIR ENTRAINMENT OF 4-6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED. PROVIDE PROPER CONCRETE PROTECTION IN COLD WEATHER AND MAINTAIN PROPER CURING PROCEDURES IN ACCORDANCE WITH ALL A.C.I. REQUIREMENTS.

12. CONCRETE FOR FLOOR SLABS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS, 3" SLUMP AND 3% MAXIMUM AIR ENTRAINMENT.

13. STEEL REINFORCEMENT SHALL CONFORM TO A.S.T.M. A-615, GRADE 60.

14. ALL REINFORCING BARS SHALL BE COLD BENT IN ACCORDANCE WITH THE PROPER RADII ESTABLISHED BY THE A.C.I. UNDER NO CIRCUMSTANCES SHALL HEAT BE APPLIED TO THE BARS TO OBTAIN BENDS.

15. ALL CONCRETE SLABS PLACED ON GROUND SHALL BE REINFORCED WITH FIBERMESH REINFORCING.

16. WHERE CONTINUOUS BARS ARE CALLED FOR, THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS. LAPS SHALL BE 40 BAR DIAMETERS, UNLESS OTHERWISE SHOWN.

17. ALL FOUNDATION WALLS SHALL BE BRACED DURING BACKFILLING AND TAMPING OPERATIONS.

18. THE USE OF CONTROL JOINTS IN THE SLAB IS RECOMMENDED TO CONTROL CRACKING. SAW CUT TO A DEPTH OF 1/5 OF THE DEPTH OF THE SLAB.

19. BACKFILL NO EXTERIOR WALLS UNTIL PERMANENT STRUCTURAL SUPPORTS (FRAMED FLOORS AND SLABS) ARE IN PLACE.

20. CONCRETE SHALL REACH 75% OF SPECIFIED STRENGTH BEFORE CONSTRUCTION LOADS ARE APPLIED, UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER-OF-RECORD. CONCRETE STRENGTH SHALL BE VERIFIED WITH 7-DAY CYLINDER BREAKS.

21. CONCRETE PROTECTION FROM REINFORCING BARS:
    FOUNDATION & BASEMENT WALLS; 2" CLEAR
    BOTTOM OF FOOTINGS & GRADE BEAMS: 3" CLEAR
    BEAMS, COLUMNS & STRUCTURAL SLABS: 1½" CLEAR.

WOOD FLOOR TRUSS FRAMING NOTES:

1. ALL WOOD FLOOR TRUSSES SHALL BE FABRICATED IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE'S (T.P.I.) REQUIREMENTS AND ALL APPLICABLE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (A.I.T.C.) SPECIFICATIONS.

2. FOUR COPIES OF THE TRUSS ERECTION PLAN AND THE TRUSS SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION OF ANY COMPONENTS.

3. ALL ERECTION PLANS AND SHOP DRAWINGS SHALL BEAR THE NAME, SIGNATURE, AND SEAL OF A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK. ALL DESIGNS AND/OR SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING: SPAN, BEARING REQUIREMENTS, DESIGN LOADS, AXIAL FORCES, SIZES AND LOCATIONS OF CONNECTION PLATES AT ALL JOINTS, SPECIES, ALLOWABLE STRESSES, GRADE OF LUMBER USED, LATERAL BRACING REQUIRED, AND HANDLING AND ERECTION REQUIREMENTS.

4. SEE FRAMING PLANS FOR SCHEMATIC LAYOUT OF TRUSSES.

5. FLOOR TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING LOADS:
   DEAD LOAD: 20P.S.F.
   LIVE LOAD: 50 P.S.F. + 15 P.S.F. PARTITIONS
   LIVE LOAD DEFLECTION TO BE LIMITED TO L/480
   TOTAL LOAD DEFLECTION TO BE LIMITED TO L/360

6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROPER HANDLING AND FOR PROVIDING TEMPORARY BRACING IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS. SEE STANDARD T.P.I. ERECTION DATA SHEETS PRIOR TO INITIATING CONSTRUCTION. GENERAL CONTRACTOR MUST ASSURE THAT THE TRUSSES ARE NOT STRUCTURALLY DAMAGED DURING ERECTION AND THAT THEY ARE MAINTAINED IN ALIGNMENT BEFORE, DURING AND AFTER INSTALLATION. TEMPORARY BRACING SHALL BE IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE GENERAL CONTRACTOR SHALL SUBMIT A FORMAL WRITTEN PROCEDURE DETAILING THE METHOD, MEMBER SIZES, AND LOCATIONS FOR TEMPORARY LATERAL BRACING WITH THE SHOP DRAWINGS FOR THE ARCHITECT'S REVIEW.

STRUCTURAL STEEL NOTES:

1. ALL STEEL SHALL BE NEW STEEL, CONFORMING TO A.I.S.C. "SPECIFICATIONS FOR DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION, AND A.S.T.M. GRADE 50. ANGLES, PLATES, ETC. TO BE GRADE 36

2. STRUCTURAL STEEL TUBING SHALL CONFORM TO A.S.T.M. A 500, GRADE B, WITH A MINIMUM YIELD STRESS OF 46 K.S.I.

3. NO PERMANENT CONNECTIONS SHOULD BE MADE UP UNTIL THE STRUCTURE HAS BEEN PROPERLY ALIGNED. PROVIDE TEMPORARY BRACING AS REQUIRED.

4. ALL CONNECTIONS SHALL BE CAPABLE OF SUPPORTING ONE-HALF OF THE MAXIMUM ALLOWABLE UNIFORM LOAD AS INDICATED UNDER PART 2 OF THE MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.

5. ALL SHOP AND FIELD WELDS SHOWN SHALL BE MADE BY APPROVED CERTIFIED WELDERS AND SHALL CONFORM TO THE A.W.S. CODE FOR BUILDINGS. ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE MATERIAL BEING WELDED. USE E-70XX ELECTRODES.

6. ALL STEEL SHALL HAVE ONE COAT OF RUST INHIBITIVE PRIMER PAINT. TOUCH UP ALL WELDS, SCRATCHES, OR SCRAPES AFTER ERECTION.

7. WELD ALL STEEL CONTACT SURFACES (OTHER THAN BOLTED CONNECTIONS) WITH A CONTINUOUS 3/16" (MINIMUM) FILLET WELD.

8. THE FABRICATOR SHALL DESIGN ALL CONNECTIONS. CONNECTION DESIGNS SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE A.I.S.C. "MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN," LATEST EDITION. WHERE DESIGN REACTIONS ARE SHOWN ON DRAWINGS, THESE VALUES SUPERSEDE THE MINIMUM CRITERIA IN THE A.I.S.C. MANUAL.

9. REPRODUCTION OF THE CONTRACT DRAWINGS FOR USE IN SHOP DRAWING SUBMITTAL IS PROHIBITED. ALL PLANS, SECTIONS, NOTES, AND DETAILS SHALL BE COORDINATED WITH THE ARCHITECTURAL PLANS AND REDRAWN. REPRODUCED CONTRACT DRAWINGS SUBMITTED WILL NOT BE REVIEWED.

10. ALL STRUCTURAL STEEL CONNECTIONS & DETAILS SHALL CONFORM TO THE A.I.S.C. "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS & BRIDGES."

11. UNFINISHED THREADED FASTENERS SHALL CONFORM TO A.S.T.M. A 307 GRADE A BOLTS & NUTS WITH HEXAGONAL HEADS. UNFINISHED THREADED FASTENERS SHALL BE USED ONLY FOR ANCHORAGE TO CONCRETE CONSTRUCTION.

12. BOLTED CONNECTIONS OF PRIMARY MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF THE A.I.S.C. "SPECIFICATIONS FOR STRUCTURAL JOINTS USING A.S.T.M. A 325 BOLTS." ALL PRIMARY CONNECTIONS SHALL USE A.S.T.M. A 325 BOLTS AND HEAVY HEX NUTS. ALL BOLTS AND NUTS SHALL BE NEW.

13. ALL STEEL BEAMS SHALL BE ERECTED WITH NATURAL CAMBER UP.

14. BOLTED CONNECTIONS SHALL BE BEARING TYPE WITH THREADS EXCLUDED FROM SHEAR PLANE UNLESS NOTED OTHERWISE.

15. THE USE OF OVERSIZED, SHORT-SLOTTED, OR LONG SLOTTED HOLES IN LIEU OF STANDARD HOLES REQUIRES THE APPROVAL OF THE ENGINEER-OF-RECORD.

16. THE USE OF THERMAL CUTTING IN THE PRODUCTION OR ALTERATION OF BOLT HOLES REQUIRES THE APPROVAL OF THE ENGINEER-OF-RECORD.

WOOD FRAMING NOTES:

1. ALL FRAMING LUMBER SHALL BE S.P.F. (SPRUCE-PINE- FIR) STRUCTURAL GRADE NO. 2 (UNLESS OTHERWISE SPECIFIED) AND SHALL MEET THE REQUIREMENTS OF THE NATIONAL FOREST PRODUCTS ASSOCIATION (N.F.P.A.) THE MINIMUM ALLOWABLE BENDING STRESS (Fb) SHALL BE 850 P.S.I. THE MINIMUM ALLOWABLE COMPRESSION STRESS (Fc) SHALL BE 405 P.S.I. THE MINIMUM ALLOWABLE MODULUS OF ELASTICITY (E) SHALL BE 1,300,000 P.S.I.

2. USE 3/4" TONGUE & GROOVE STRUCTURAL GRADE FIR PLYWOOD OR OSB FLOOR SHEATHING, 5/8" EXTERIOR STRUCTURAL GRADE FIR C.D.X. PLYWOOD OR OSB ROOF SHEATHING, EDGES BLOCKED WITH LUMBER OR OTHER APPROVED TYPE OF EDGE SUPPORTS, FACE GRAIN PERPENDICULAR TO SUPPORTS AND CONTINUOUS OVER TWO OR MORE SPANS.

3. ALL INTERIOR AND EXTERIOR LOAD BEARING WALLS SHALL BE AS NOTED ON DRAWINGS.

4. PROVIDE ADEQUATE WALL RESISTANCE TO RACKING WITH CORNER WIND BRACING OR ANCHORAGE OF STRUCTURAL SHEATHING TO PLATES.

5. PROVIDE SOLID BLOCKING BETWEEN FLOOR JOISTS & TRUSSES.

6. PROVIDE DOUBLE JOISTS OR TRUSSES UNDER EACH PARALLEL PARTITION.

7. USE FULLY NAILED METAL JOIST OR BEAM CONNECTORS (SIMPSON, OR APPROVED EQUAL) WHEN JOISTS OR BEAMS FRAME INTO OTHER JOISTS OR BEAMS.

8. PROVIDE PROPERLY SIZED SIMPSON POST BASES AND CAPS FOR ALL WOOD POSTS.

9. ALL FRAMING SHALL BE INSTALLED IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE REQUIREMENTS.

10. ALL PLYWOOD FLOOR SHEATHING SHALL BE SCREWED AND GLUED TO SUPPORTING WOOD FRAMING MEMBERS USING AN AMERICAN PLYWOOD ASSOCIATION (A.P.A.) GLUED FLOOR SYSTEM. WOOD GLUE TO BE CONTECH INC. PL400 SUBFLOOR & CONSTRUCTION ADHESIVE OR APPROVED EQUAL. FLOOR SHEATHING SHALL BE SCREWED TO THE FLOOR JOISTS @ 6" O.C. AT DIRECT EDGES AND @ 12" O.C. AT INTERMEDIATE LOCATIONS.

11. ALL WALL STUDS SHALL ALIGN WITH FLOOR JOISTS & ROOF TRUSSES, EXCEPT AS NOTED ON THE PLANS.

12. CROSS WALLS AND TIE BEAMS ARE TO PROVIDE LATERAL RESTRAINT FOR THE BUILDING AND SHOULD BE SECURELY ATTACHED AT EACH END AND AT THE EXTERIOR WALLS. POSTS SUPPORTING THE STRUCTURE ABOVE THE FIRST FLOOR SHALL BE FULLY SECURED & BRACED TO PROVIDE LATERAL RESTRAINT.

13. BUILT UP BEAMS AND POSTS USING CONVENTIONAL FRAMING LUMBER SHALL BE FULLY SPIKED TOGETHER WITH 2-10d GALVANIZED NAILS (TOP & BOTTOM) AT 12" ON CENTER.

WOOD ROOF TRUSS FRAMING NOTES:

1. ALL WOOD TRUSSES SHALL BE FABRICATED IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE'S (T.P.I.) REQUIREMENTS AND ALL APPLICABLE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (A.I.T.C.) SPECIFICATIONS.

2. FOUR COPIES OF THE TRUSS ERECTION PLAN AND THE TRUSS SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION OF ANY COMPONENTS.

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4. SEE FRAMING PLANS FOR SCHEMATIC LAYOUT OF TRUSSES.

5. ROOF TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING LOADS:
   SNOW LOAD (GROUND) 50 P.S.F.
   SNOW DRIFT LOADS AS REQUIRED BY IBC SECTION 1603.1.3 & 1608.
   TOTAL DEAD LOAD 20 P.S.F.
   TOP CHORD DEAD LOAD 10 P.S.F.
   BOTTOM CHORD DEAD LOAD 10 P.S.F.
   LIVE LOAD DEFLECTION TO BE LIMITED TO L/360
   TOTAL LOAD DEFLECTION TO BE LIMITED TO L/240

6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROPER HANDLING AND FOR PROVIDING TEMPORARY BRACING IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS. SEE STANDARD T.P.I. ERECTION DATA SHEETS PRIOR TO INITIATING CONSTRUCTION. GENERAL CONTRACTOR MUST ASSURE THAT THE TRUSSES ARE NOT STRUCTURALLY DAMAGED DURING ERECTION AND THAT THEY ARE MAINTAINED IN ALIGNMENT BEFORE, DURING AND AFTER INSTALLATION. TEMPORARY BRACING SHALL BE IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE GENERAL CONTRACTOR SHALL SUBMIT A FORMAL WRITTEN PROCEDURE DETAILING THE METHOD, MEMBER SIZES, AND LOCATIONS FOR TEMPORARY LATERAL BRACING WITH THE SHOP DRAWINGS FOR THE ARCHITECT'S REVIEW.

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CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 2/26/26

DRAWING NAME:

Structural Notes

Date: 11/06/2026
Drawn By: M.Kieffer
Checked By: L.Traynor

DRAWING NO.

S-000

Project No: 24-1121

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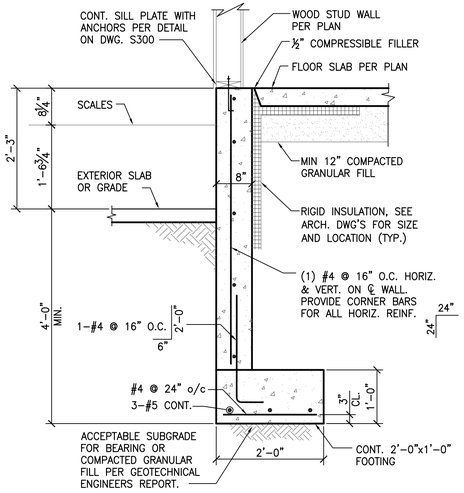
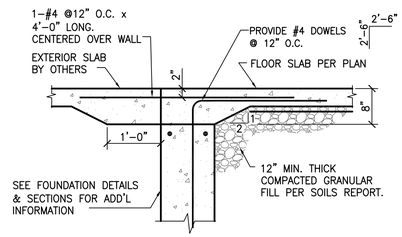
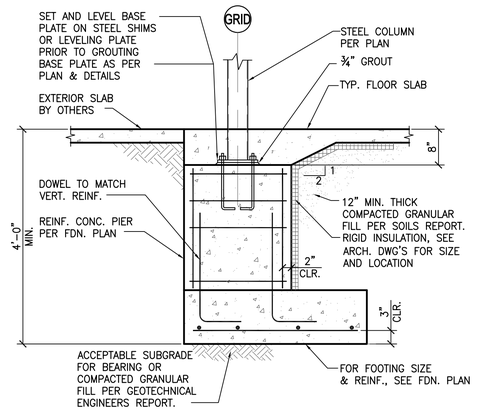


SECTION 1
SCALE: 3/4"= 1'-0"

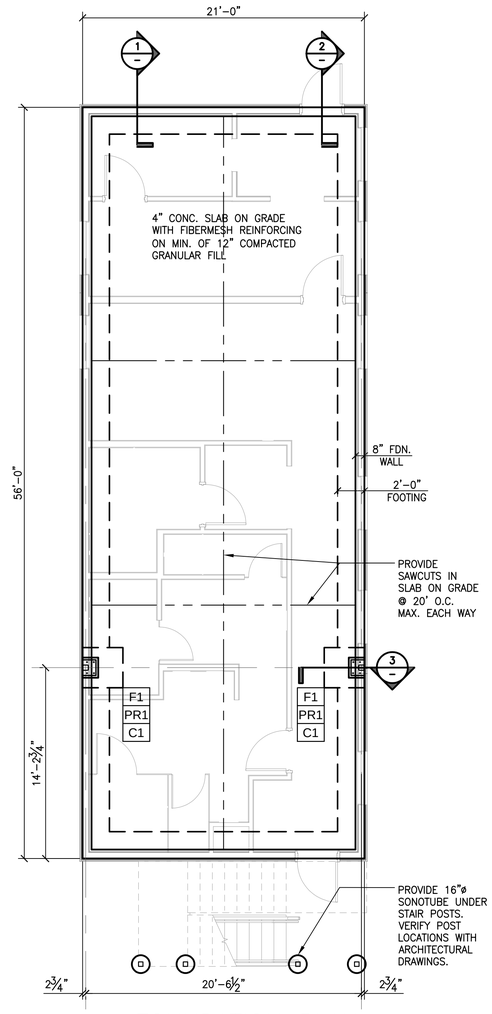


TYPICAL @ EXTERIOR DOOR LOCATIONS

SECTION 2
SCALE: 3/4"= 1'-0"



SECTION 3
SCALE: 3/4"= 1'-0"
S1.0



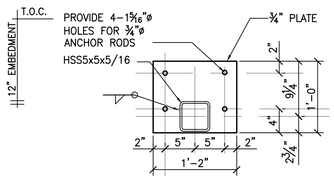
FOUNDATION PLAN
SCALE: 3/16"= 1'-0"

PIER DETAIL 'PR1'
SCALE: 3/4"= 1'-0"

PR1 PIER REINFORCING
SCALE: 3/4"= 1'-0"

TIE SPACING FOR PIERS
SCALE: 3/4" = 1'-0"

SONOTUBE DETAIL
SCALE: 3/4" = 1'-0"



BASEPLATE DETAIL TYPE '1'
SCALE: 1"= 1'-0"

LEGEND

FOOTING TYPE — F / PR / C — PIER TYPE

POST OR COLUMN TYPE

xxxx — BOT. OF FOOTING ELEVATION

FOOTING SCHEDULE

TYPE	SIZE	REINFORCING
F1	3'-0" x 3'-0" x 12"	4-#4 E.W.

PIER SCHEDULE

TYPE	SIZE	REINF.
PR1	SHAPED; SEE DETAIL	SEE DETAIL

COLUMN SCHEDULE

TYPE	SIZE	BASEPLATE
C1	HSS5x5x5/16	1

NOTE:
COORDINATE FINAL EXTERIOR GRADES WITH LATEST CIVIL GRADING PLAN TO ENSURE 4'-0" COVER OVER FOOTINGS.

NOTE:
COORDINATE NEW FOUNDATION WALLS & FOOTINGS WITH SCALE PIT DRAWINGS. FOOTINGS MUST HAVE MINIMUM 4'-0" FROST COVER OR MATCH BOTTOM OF SCALE PIT FOUNDATIONS; WHICHEVER IS DEEPER.

THIS PLAN HAS BEEN PREPARED IN CONJUNCTION WITH THE SITE GRADING PLAN PREPARED
BY:
PROJECT NO.:
DRAWING NO.:
REVISION NO.:
DATED:

NOTE: FOOTINGS FOR THIS PROJECT MAY REQUIRE UNDERCUTS BELOW THE 4'-0" FROST COVER. THE SOIL AT BEARING ELEVATIONS MUST BE INSPECTED BY THE SOILS ENGINEER / INSPECTOR HIRED BY THE OWNER PRIOR TO POURING CONCRETE FOR FOUNDATIONS. THE SOILS ENGINEER / INSPECTOR WILL DETERMINE ADEQUATE BEARING ELEVATIONS AND THE AMOUNT OF COMPACTED GRANULAR FILL MATERIAL REQUIRED ON SITE PRIOR TO EACH CONCRETE POUR.

NOTE: ALL FOUNDATION & BACKFILL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED
BY: WHITESTONE
PROJECT NO.: GR2523247,Y00
DATED: JULY 3, 2025

studio T3
ENGINEERING, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 2/26/26

DRAWING NAME:
Foundation Plan, Sections & Details

Date: 11/06/2026
Drawn By: M.Kieffer
Checked By: L.Traynor

DRAWING NO.
S-100

Project No: 24-1121

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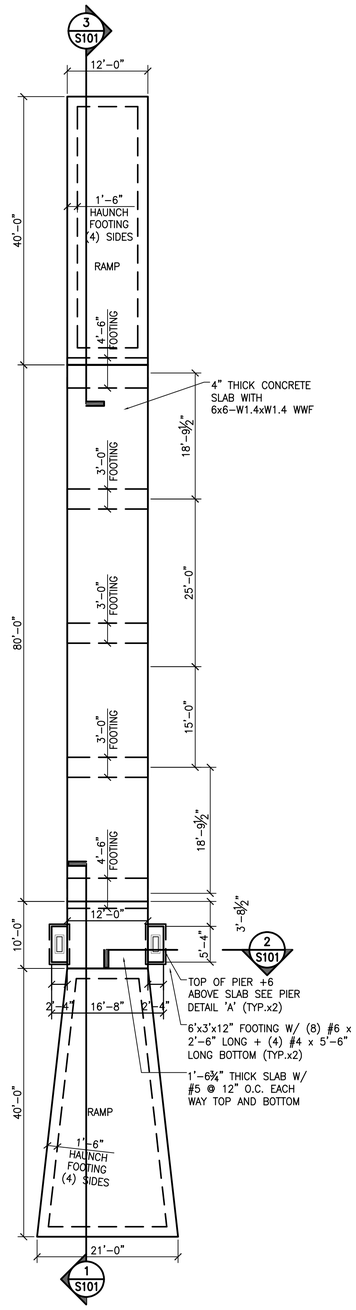
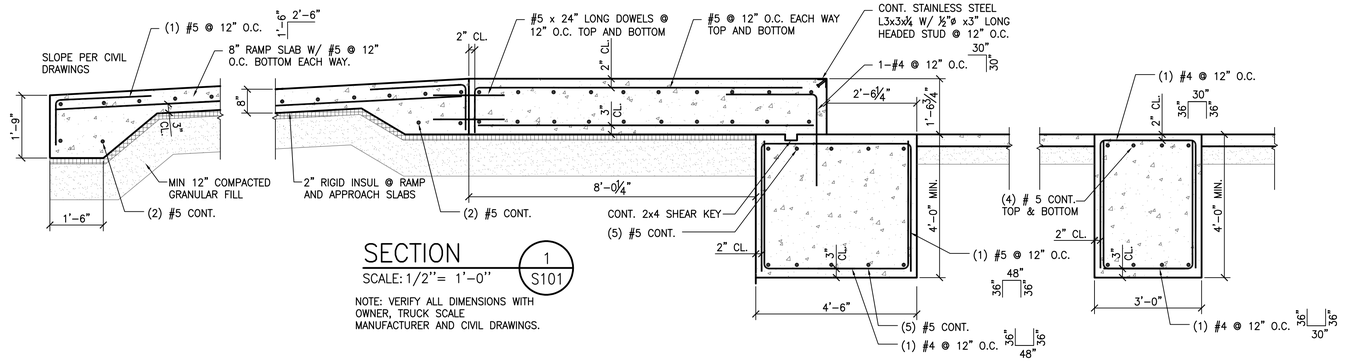


SCALE FOUNDATION

SCALE: 3/32"= 1'-0"

NOTE: VERIFY LOCATION OF (2) SCALE FOUNDATIONS WITH CIVIL DRAWINGS.

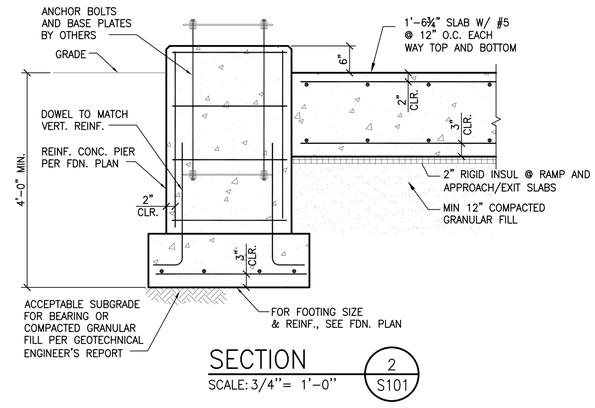


SECTION

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

1 S101

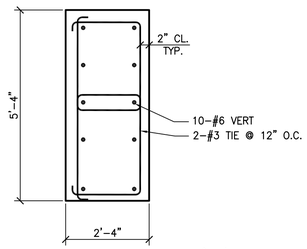
NOTE: VERIFY ALL DIMENSIONS WITH OWNER, TRUCK SCALE MANUFACTURER AND CIVIL DRAWINGS.



SECTION

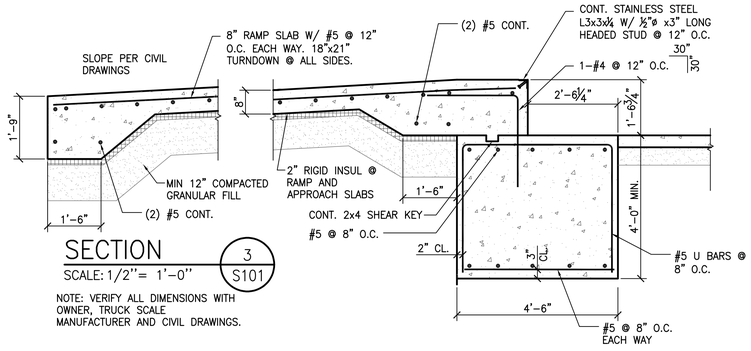
SCALE: 3/4"= 1'-0"

2 S101



PIER DETAIL 'A'

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



SECTION

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

3 S101

NOTE: VERIFY ALL DIMENSIONS WITH OWNER, TRUCK SCALE MANUFACTURER AND CIVIL DRAWINGS.

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

AIM RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 2/26/26

DRAWING NAME:

Scale Foundation Plan and Sections

Date: 11/06/2026
Drawn By: M.Kieffer
Checked By: L.Traynor

DRAWING NO.

S-101

Project No: 24-1121

studio T3
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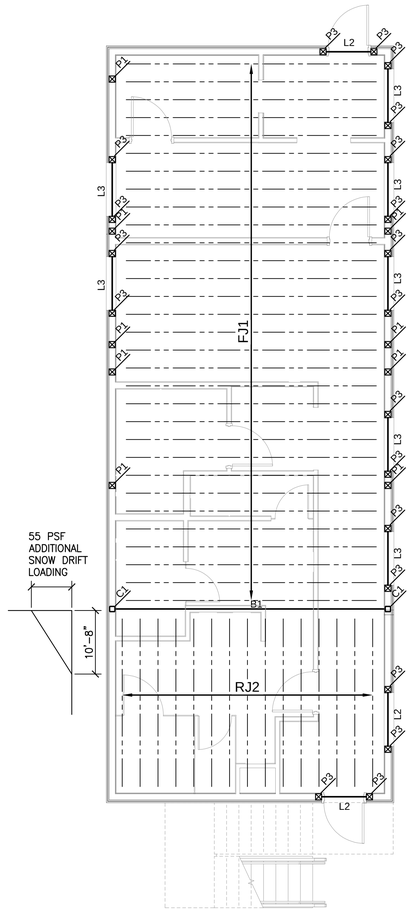
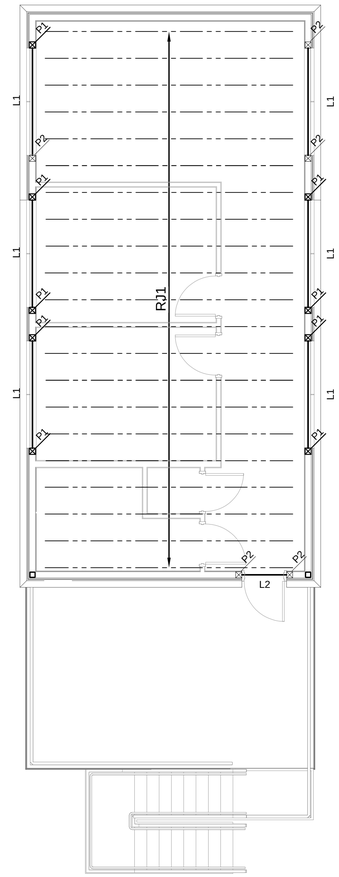


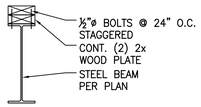
2ND FLOOR FRAMING PLAN

SCALE: 1/8"= 1'-0"



ROOF FRAMING PLAN

SCALE: 1/8"= 1'-0"



WOOD TOP PLATE DETAIL

SCALE: N.T.S.

STEEL BEAM SCHEDULE	
BEAM	SIZE
B1	W14x22 + (2) WOOD TOP PLATES

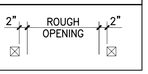
LINTEL SCHEDULE		
TYPE	SIZE	MAT'L
L1	(3) 2x12	WOOD
L2	(3) 2x8	WOOD
L3	(3) 2x10	WOOD

FLOOR TRUSS SCHEDULE	
TYPE	SIZE
FJ1	14" DEEP BOTTOM CHORD BEARING WOOD TRUSSES @ 16" O.C. LL = 50 PSF + 15 PSF PARTITIONS, DL= 20 PSF Δ_{LL}= L/480, Δ_{TL}= L/360

COLUMN SCHEDULE		
TYPE	SIZE	BASEPLATE
C1	HSS5x5x5/16	1

WOOD POST SCHEDULE			
TYPE	SIZE	MATERIAL	NOTES
P1	(3) 2x6	WOOD	
P2	(3) 2x6	WOOD	
P3	(3) 2x6	WOOD	

NOTE:
ALL WOOD POSTS TO HAVE 2" CLEAR EACH SIDE OF ROUGH OPENING.
VERIFY ROUGH OPENING SIZES WITH ARCHITECTURAL DRAWINGS.



NOTE: PROVIDE P1 POST AT ENDS OF ALL LINTELS & BEAMS PER POST NAILING DETAILS ON DWG S300 UNLESS NOTED OTHERWISE.

ROOF TRUSS SCHEDULE	
TYPE	SIZE
RJ1	14" DEEP BOTTOM CHORD BEARING WOOD TRUSSES @ 24" O.C. P_g = 50 PSF, DL= 20 PSF Δ_{LL}= L/360, Δ_{TL}= L/240
RJ2	11⅞" DEEP TJI @ 16" O.C. (2) LOAD CASES (1) P_g = 50 PSF + DRIFT DL = 20 PSF. (2) LL = 100 PSF, DL= 20 PSF Δ_{LL}= L/360, Δ_{TL}= L/240

NOTE:
DO NOT NOTCH ANY LOAD BEARING STUDS. HOLES ARE NOT PERMITTED IN LOAD BEARING STUDS.

NOTE:
VERIFY DIMS. W/ARCH DRAWINGS.

NOTE:
SEE DETAILS ON DWG. S300 FOR ALLOWABLE NOTCHES AND HOLES IN 2x8, 2x10 & 2x12. NO NOTCHES ARE ALLOWED IN PARALLAM AND/OR MICROLLAM FRAMING.

NOTE:
ALL POSTS MAY BE SOLID POSTS OR BUILT UP USING THE NAILING PATTERNS SHOWN ON DWG. S300

SHEAR WALL SCHEDULE
ALL EXTERIOR WALLS:
EXTERIOR SIDE: ½" R-6 ZIP PANELS. 0.131" SHANK NAILS @ 3" O.C. AT PERIMETER & 12" O.C. INTERIOR WITH 1.5" PENETRATION INTO STUD.
INTERIOR SIDE – ⅝" GYP BOARD UNBLOCKED – WITH 16ga. STAPLES – 1½" LEG, 1⅝" LONG @ 7" MAX.

NOTE:
PROVIDE DOUBLE TOP PLATE AT ALL EXTERIOR LOAD BEARING WALLS. PROVIDE DOUBLE TOP PLATE AT ALL INTERIOR LOAD BEARING WALLS.

NOTE:
ALL LOAD BEARING WALLS SHALL BE (1) 2x6 @ 16" O.C. UNLESS NOTED OTHERWISE

CARMINA WOOD
DESIGN
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AIM RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 2/26/26

DRAWING NAME:

Framing Plans

Date: 11/06/2026
Drawn By: M.Kieffer
Checked By: L.Traynor

DRAWING NO.

S-200

Project No: 24-1121

studio T3
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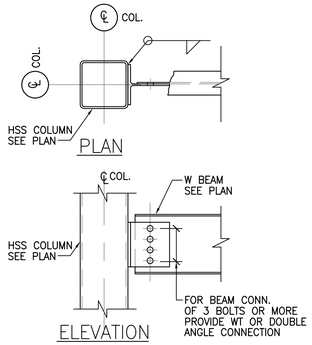
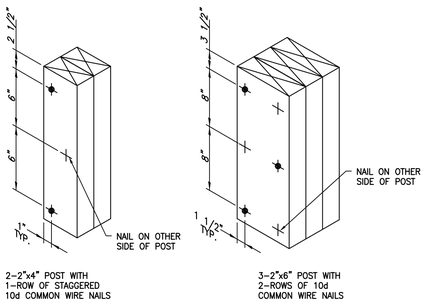


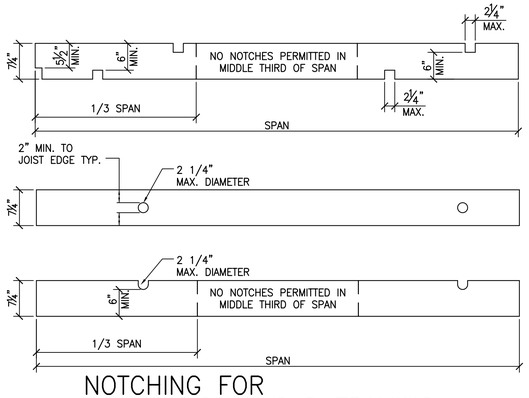
TYPICAL CONNECTION W BEAM TO HSS COLUMN DETAIL

SCALE: 1" = 1'-0"



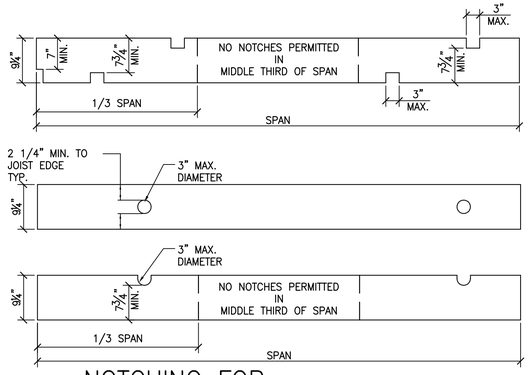
POST NAILING DETAIL

SCALE: N.T.S.



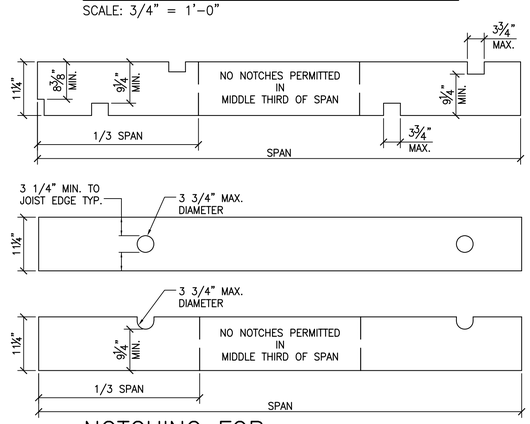
NOTCHING FOR CONVENTIONAL 2x8 FRAMING

SCALE: 3/4" = 1'-0"



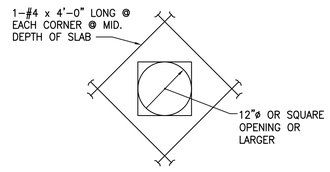
NOTCHING FOR CONVENTIONAL 2x10 FRAMING

SCALE: 3/4" = 1'-0"



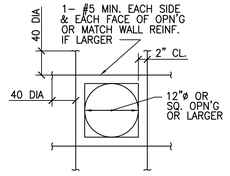
NOTCHING FOR CONVENTIONAL 2x12 FRAMING

SCALE: 3/4" = 1'-0"



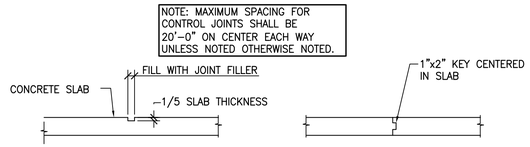
ADD'L REINF. REQ'D. @ OPENINGS IN SLAB

SCALE: 3/4" = 1'-0"



ADD'L. REINF. REQ'D. @ OPENINGS IN WALL

SCALE: 3/4" = 1'-0"

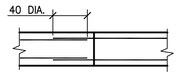


TYP, CONC. SLAB CONTROL JOINT

SCALE: 3/4" = 1'-0"

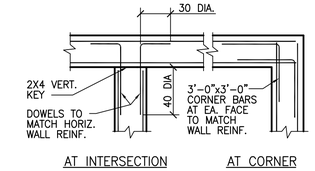
TYP, CONC. SLAB CONSTRUCTION JOINT

SCALE: 3/4" = 1'-0"



TYP. WALL CONSTR. JOINT

SCALE: 3/4" = 1'-0"



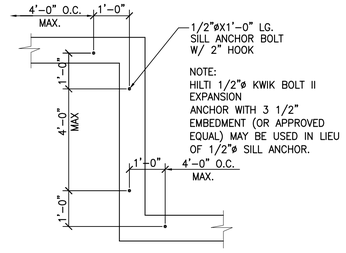
HORIZ. WALL REINF. DETAIL

SCALE: N.T.S.



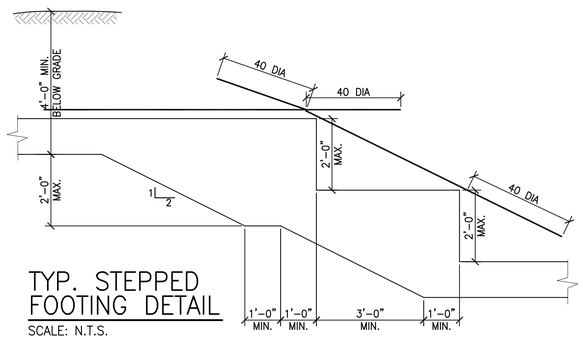
TYPICAL WOOD LAP SPLICE DETAIL

SCALE: N.T.S.



TYPICAL SILL ANCHOR BOLT LAYOUT

SCALE: N.T.S.



TYP. STEPPED FOOTING DETAIL

SCALE: N.T.S.

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 2/26/26

DRAWING NAME:
Typical Details

Date: 11/06/2026
Drawn By: M.Kieffer
Checked By: L.Traynor

DRAWING NO.
S-300

Project No: 24-1121

studio T3
ENGINEERING, PLLC
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Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling Scale House.rvt
11/6/2026 4:09:50 PM

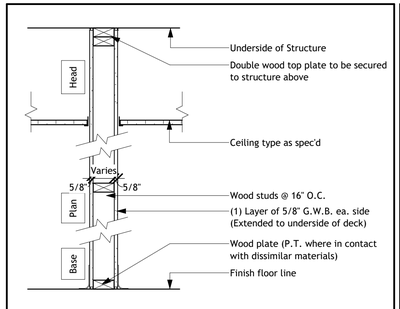
Partition Notes

A. These notes are intended for use in conjunction with the specifications. Refer to specifications for additional information.
B. Gypsum board nomenclature generally refers to products of the United States Gypsum Company. Other gypsum products of similar or equivalent nature will be acceptable when differences do not materially detract from the design concept or the intended performances
C. When a non-rated wall intersects a fire rated wall, the construction of the rated wall shall carry through.
D. When two rated walls meet or intersect, the construction of the higher rated wall shall carry through.
E. On ALL partition walls in wet areas provide mold and moisture resistant (MMR) gypsum board and cementboard at tile walls. This includes but not limited to public restrooms, kitchens, laundries, bathrooms and janitor closets. Exceptions as follows in locations listed below.
   a. Wherever wall tile is scheduled for installation (use cementboard)
   b. From the floor to a minimum of 12 inches above the floor in wet areas.
   c. From the floor to a minimum of 6 inches above the rims of the bathtubs.
F. Provide Blocking as bracing in stud walls, chase walls or furred walls to support fixtures, accessories, grab bars, handrails, etc... Coordinate location(s) with Construction Documents.
G. Contractor is to frame around ductwork at partition locations and brace studs as required for rigid construction.
H. Provide double studs at all jambs.
I. All exposed gypsum board edges are to have metal trim.
J. Tape, spackle and sand all partitions. Partitions to be left in a smooth condition ready for paint unless otherwise noted. Level 4 Minimum
K. Provide solid lateral bracing in stud walls at 48" O.C. maximum or at wall mid span, whichever is less.
L. Where gypsum wall board with fire resistant ratings are indicated or required, provide materials and installations which are identical with those of applicable assembly design designations indicated in the underwriters laboratory "Fire Resistance Directory."
M. For ALL incidental penetrations during construction for mechanical, electrical, or plumbing, refer to specifications for fire rated firestopping at through wall penetrations and provide and install required product(s) accordingly.
N. Hold ALL gypsum wall board 3/8" off Floor and caulk at floor line to prevent potential weeping of water from floor surface. This is to be approved fire caulking at fire rated assemblies as shown in partition types (UL Design #s)
O. Provide control joints per manufacturer's and BIA recommendations. Coordinate location of control joints with Architect before installation.
P. Rated walls and smoke barriers shall be permanently identified with signs or stenciling above any ceiling and or in concealed spaces with letters a minimum of 2 inches high on a contrasting background spaced a maximum of 10 feet O.C. with a minimum of 1 per wall or barrier. The hourly fire rating shall be included on all fire rated walls. Suggested wording: "1 HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS".
Q. Grout all door frames per manufacturer's recommendations in masonry walls.
R. Top of Stud Partition walls shall be designed with double slip track to allow for deflection of roof structure (so roof deflection does not result in damage to interior partition walls.
S. Provide SillSeal Gasket below all Wood Base Plates on Slab on Grade Concrete Construction.

STC Partition Notes

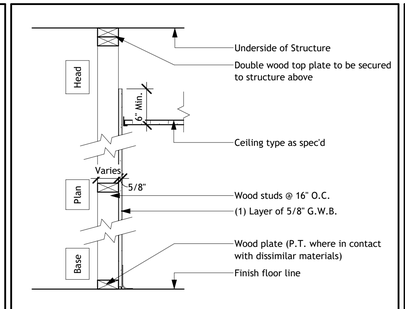
A. Assemblies with STC (Sound Transmission Class) ratings shall be air-tight, hairline cracks or holes will not be accepted. Tape and Finish gypsum wall board wall-to-wall intersections and seal gypsum wall board wall-to-ceiling and wall-to-floor intersections to provide an adequate air seal.
B. Any openings cut for fixtures or controls shall be carefully cut to size, blocked properly, and continuously sealed.
C. The entire perimeter of a sound rated partition shall be made air-tight to prevent "sound-flanking". Apply sealant continuously as required to meet the indicated STC and/or fire rating. Apply the sealant to the entire partition perimeter and penetrations per the manufacturer's recommendations or UL requirements.
D. An acoustic sealant shall be used to seal between the sound rated assemblies and all dissimilar surfaces and between the assembly and similar surfaces where perimeter relief is required. Where voids greater than 1/4" exist, pack with 1.5 PCF fiberglass and caulk air tight.
E. Recommended practices in ASTM E-497 shall be followed for sound control and the manufacturers of the gypsum wall board shall be consulted for any special recommendations relating to their systems.
F. For rated walls that extend to fluted steel deck/concrete floor assemblies, comply with fire rating requirements of UL System No. HW-D-0001 or HW-D-0002.
G. Stagger back-to-back outlet boxes on opposite sides of walls by one stud width minimum. If boxes exists within the same stud cavity apply a putty-pack to the back side of the box and seal voids around box and adjoining drywall.
H. Install acoustical sealant in accordance with manufacturer's recommendations. Caulk the perimeter of partitions, openings, outlet box openings, and cutouts in all partitions designated to receive acoustical insulation - *see additional sound rated partition notes below.*

Non-Rated Wood Partition Types



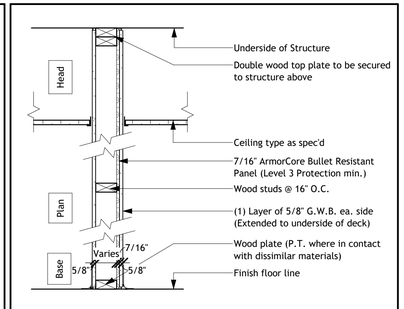
Interior Partition

TYPE		
B1	FIRE RATING: N/A	DESIGN: N/A
	STC RATING: N/A	DESIGN: N/A
	B1.1: 4-3/4" Interior Partition - 2x4 Wood Stud	
	B1.2: 6-3/4" Interior Partition - 2x6 Wood Stud	



Interior Partition - Finish 1-Side

TYPE		
B4	FIRE RATING: N/A	DESIGN: N/A
	STC RATING: N/A	DESIGN: N/A
	B4.1: 4-1/8" Interior Partition - 2x4 Wood Stud	
	B4.2: 6-1/8" Interior Partition - 2x6 Wood Stud	



Interior Partition - Bullet Resistant

TYPE		
D1	FIRE RATING: N/A	DESIGN: N/A
	STC RATING: N/A	DESIGN: N/A
	D1.1: 5" Interior Partition - 2x4 Wood Stud	
	Note: Level 3 Protection, ballistic rating based on ArmorCore Bullet Resistant Fiberglass Panel. Contractor to coordinate installation with Manufacturer Requirements	

1 A-001 Non-Rated Partition Types
1" = 1'-0"

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Sealed: 03/13/2026

DRAWING NAME:
Wall Types - Non-Rated Partitions

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
A-001

Project No: 24-1121

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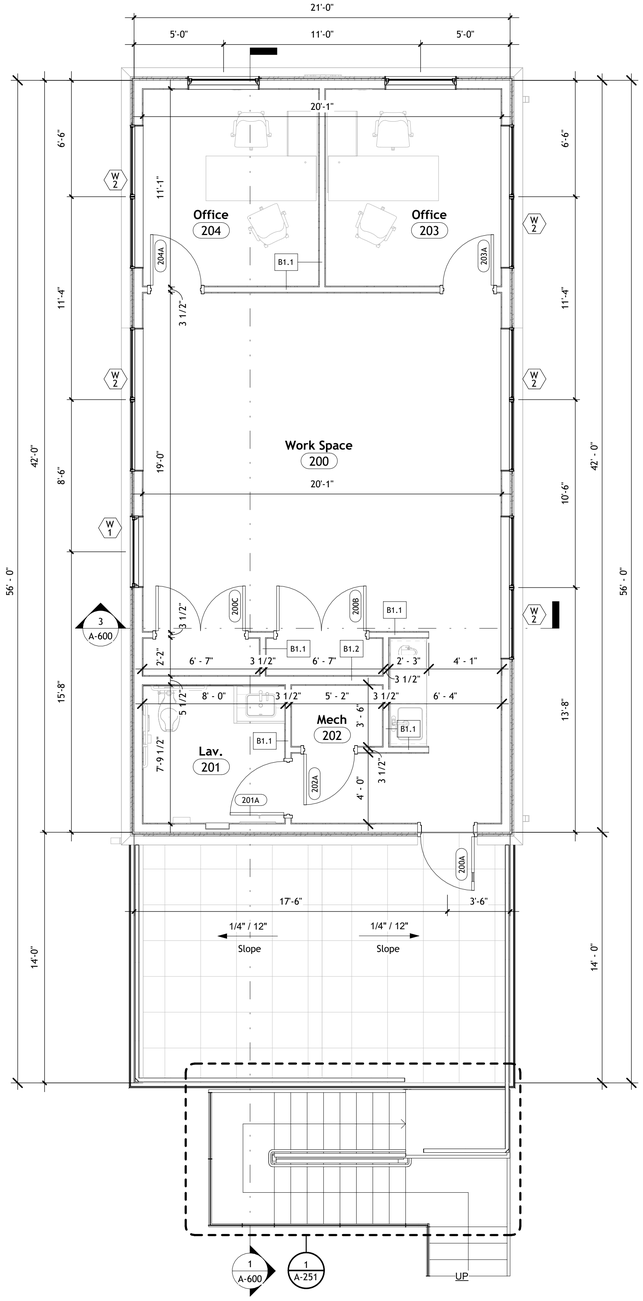
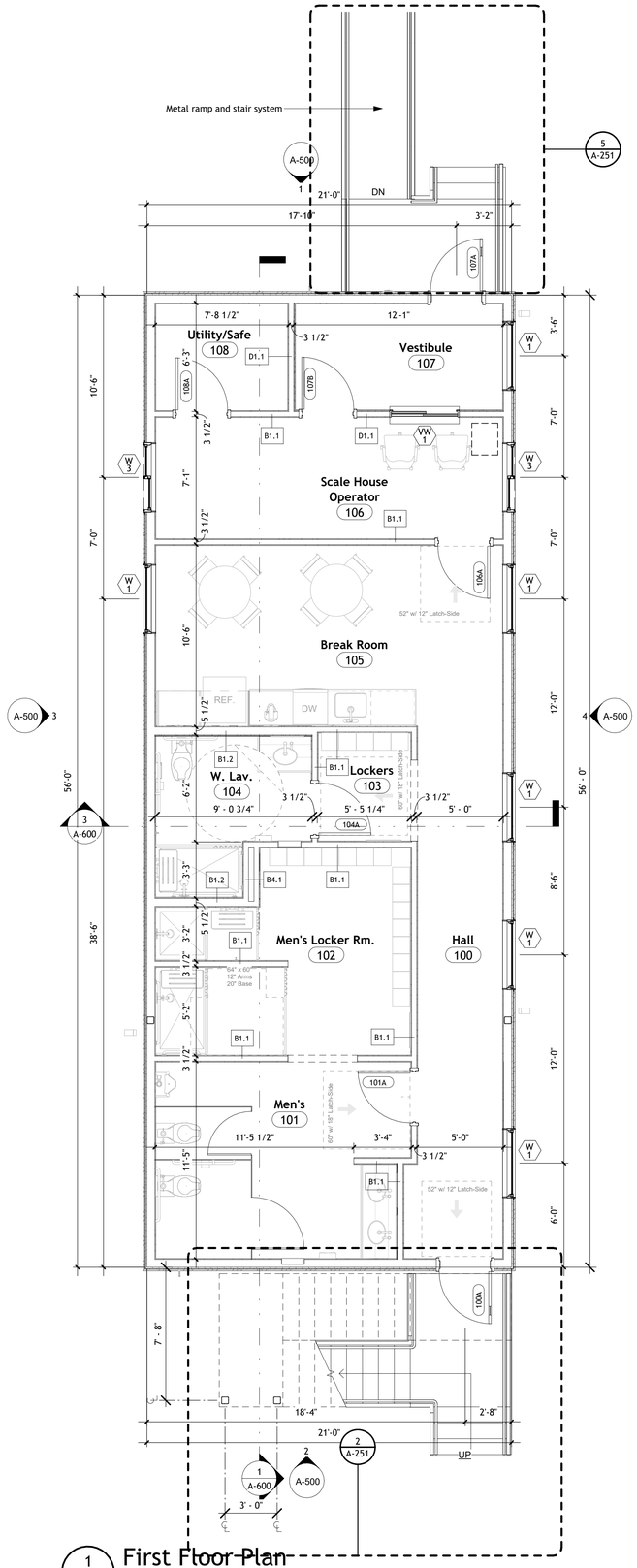


2 A-101 Second Floor Plan

1/4" = 1'-0"



1 A-101 First Floor Plan

1/4" = 1'-0"

General Floor Plan Notes

A. DO NOT SCALE DRAWINGS. If there is a dimension that is not shown on the construction documents that requires clarification, request that clarification of the Architect.
B. The Contractor shall verify all dimensions, grades, boundaries, and construction documents and immediately report any discrepancies to the architect.
C. All work shall conform to the requirements of all Local, State and Federal codes. Local, State and Federal Codes are to take precedence over the drawings and specifications. If discrepancy is noted, inform the Architect immediately and before proceeding with the work.
D. All dimensions, notes, finishes and fixtures shown on typical floor plans, sections and details shall apply to all similar, opposite hand, or symmetrical plans, sections or details.
E. All dimensions are to face of stud, unless otherwise noted.
F. All new walls shall be aligned with the center or nearest edge (as indicated on drawings) of existing walls, columns, window openings, etc. unless otherwise noted.
G. The contractor shall confine operations at the site to areas indicated on the drawings and shall not encumber the site with material and equipment.
H. Failure to show of mention minor details shall not be warrant for omission of necessary appurtenances for the normal, usual or proper completion of the Work.
I. All Finishes not involved in areas of Construction shall be protected in such a manner that when the work is complete the finishes would be in the same condition they were before the work started. Any unfortunate damage to existing to remain will be restored at no additional cost to the Owner.
J. Smoke Tight: areas indicating smoke tight construction shall meet requirements of the local adopted building code. Penetrations and Joints shall be filled with an approved material to limit the free passage of smoke, such as fire rated spray foam.
K. If not noted on A-Series drawings please refer to Interior drawings for information on all interior finishes and millwork in the project (I-100, I-101...).

Floor Plan Legend

- X — New wall construction
- XXX — New door to be installed size as spec'd, type by owner
- VW X — New interior/view window to be installed size as spec'd, type by owner
- W X — New exterior window to be installed size as spec'd, type by owner
- SF- x — New curtainwall/storefront to be installed size as spec'd, type by owner

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 03/13/2026

DRAWING NAME:

Floor Plans

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.

A-101

Project No: 24-1121

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Plumbing Fixture Schedule

Tag	Item	Manufacturer	Model	Location	Selected By
PF-1	Sink	Elkay	Asana® Stainless Steel 18" x 14" x 6" Single Bowl Undermount Bathroom Sink	Men's 101 W. Lav. 104 Lav. 201	Carmina Wood Design
PF-2	Faucet	Bradley	S53-3300 Verge, Metro	Men's 101 W. Lav. 104 Lav. 201	Carmina Wood Design
PF-3	Sink	Elkay	ELUHAD191655PD Lustertone	Break Room 105 Coffee 203	Carmina Wood Design
PF-4	Faucet	Moen	87070 Durani	Break Room 105 Coffee 203	Carmina Wood Design
PF-5	Toilet	*See Plumbing Drawings for Selection*		All Lavs	Other
PF-6	Urnial	*See Plumbing Drawings for Selection*		All Lavs	Other
PF-7	Handheld Shower (ADA)	Moen	Moen Eco-Performance Handheld Shower	Men's 101 W. Lav. 104	Carmina Wood Design
PF-8	Shower Head	Moen	Method Chrome Posi-Temp(R) Shower only	Men's 101	Carmina Wood Design

Notes:

1. Plumbing fixture appurtenances to be coordinated by others; Coorinate misc. finish selections with Interior Designer.
2. If any conflicts reguarding selected products and required appurtenances and assosiated casework are apparent; Nofity Interior Designer prior to purchase.

Public Appliance Schedule

Tag	Item	Manufacturer	Model	Location	Selected By
AP-1	Microwave			Break Room 105	By Owner
AP-2	Refrigerator			Break Room 105	By Owner
AP-3	Coffee Machine			Break Room 105	By Owner
AP-4	Dishwasher			Break Room 105	By Owner
AP-5	Coffee Machine			Coffee 230	By Owner
AP-6	Undercounter Fridge			Coffee 230	By Owner

Toilet Partition Schedule

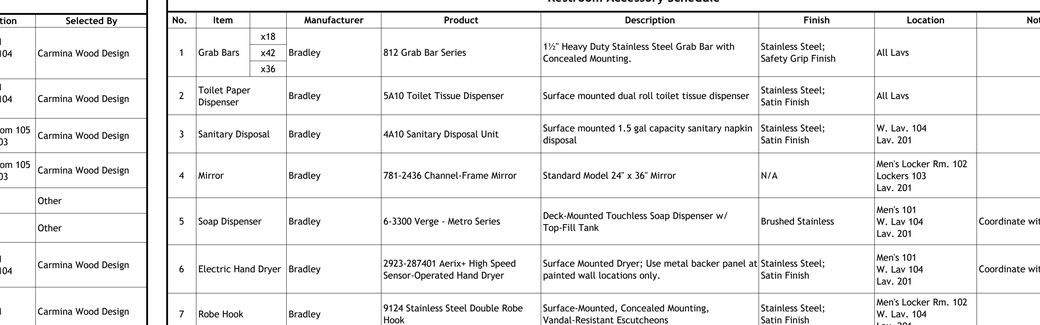
Tag	Item	Manufacturer	Product	Description	Finish	Location	Note
TP-1	Toilet Partition	ASI Global Partition	Color Thru Phenolic Style: Floor Anchored Color: Black Privacy: Standard Note: Include Coat Hook	Color Thru Phenolic Paritition with Self Closing Doors	Black	Men's 101	

Restroom Accessory Schedule

No.	Item		Manufacturer	Product	Description	Finish	Location	Note
1	Grab Bars	x18 x42 x36	Bradley	812 Grab Bar Series	1½" Heavy Duty Stainless Steel Grab Bar with Concealed Mounting.	Stainless Steel; Safety Grip Finish	All Lavs	
2	Toilet Paper Dispenser		Bradley	5A10 Toilet Tissue Dispenser	Surface mounted dual roll toilet tissue dispenser	Stainless Steel; Satin Finish	All Lavs	
3	Sanitary Disposal		Bradley	4A10 Sanitary Disposal Unit	Surface mounted 1.5 gal capacity sanitary napkin disposal	Stainless Steel; Satin Finish	W. Lav. 104 Lav. 201	
4	Mirror		Bradley	781-2436 Channel-Frame Mirror	Standard Model 24" x 36" Mirror	N/A	Men's Locker Rm. 102 Lockers 103 Lav. 201	
5	Soap Dispenser		Bradley	6-3300 Verge - Metro Series	Deck-Mounted Touchless Soap Dispenser w/ Top-Fill Tank	Brushed Stainless	Men's 101 W. Lav 104 Lav. 201	Coordinate with Electrical
6	Electric Hand Dryer		Bradley	2923-287401 Aerix+ High Speed Sensor-Operated Hand Dryer	Surface Mounted Dryer; Use metal backer panel at painted wall locations only.	Stainless Steel; Satin Finish	Men's 101 W. Lav 104 Lav. 201	Coordinate with Electrical
7	Robe Hook		Bradley	9124 Stainless Steel Double Robe Hook	Surface-Mounted, Concealed Mounting, Vandal-Resistant Escutcheons	Stainless Steel; Satin Finish	Men's Locker Rm. 102 W. Lav. 104 Lav. 201	
8	Paper Towel Dispenser & Receptacle		Bradley	238 Towel Dispenser / Waste Receptacle	Recessed, high capacity dispenser & 8,2 gal receptacle	Stainless Steel; Satin Finish	All Lavs	
9	Shower Rod Shower Curtain & Hooks		Bradley Bradley	9539 Shower Curtain Rod Hooks: 9540 Shower Hooks w/ Rollers | Curtain: 9533 Antimicrobial Vinyl Shower Curtain	Rod: 1-1/4" Dia., Concealed-Mount Shower Rod in 36" & 60" Lengths Hooks: Snap fastener hook w/ rollers for 1-1/4" dia. rods @ 6 Hooks (36") & 10 Hooks (60") Curtain: Vinyl Curtain w/ Aluminum Grommets @ 36" & 60" Lengths	Stainless Steel; Satin Finish Hooks: Stainless Steel Curtain: TBD	Lav. Showers Lav. Showers	
10	Folding Shower Chair		Bradley	9562 Folding Phenolic Shower Seat	Wall-Mounted Solid 1/2" Phenolic Seat; Supports up to 500lbs	White	Lav. Showers	
11	Full Length Mirror		Bradley	781-2460 Channel-Frame Mirror	Standard Model 24" x 60" Mirror	N/A	Men's Locker Rm. 102 Lockers 103 Lav. 201	

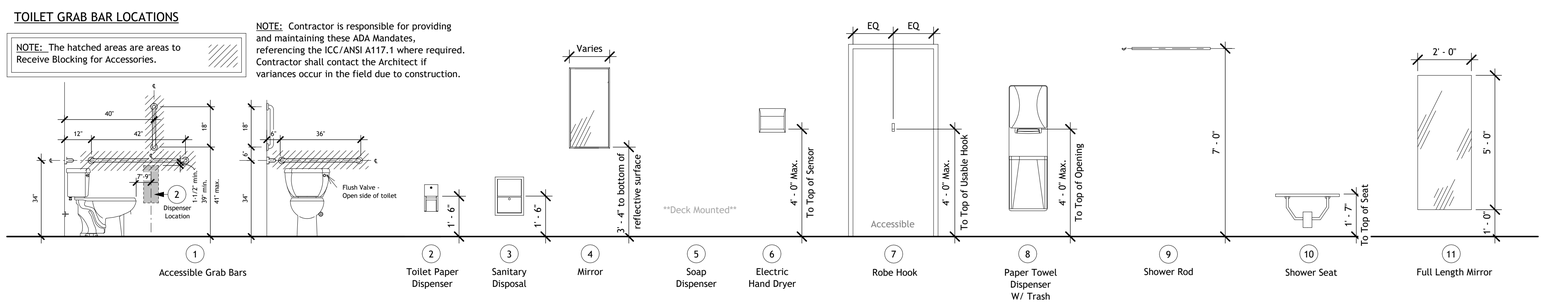
Notes:

1. Install all restroom accessories at heights indicated on installation instruction, in compliance with ICC/ANSI A-117.1
2. Refer to specifications section 10 2800 for additional information.



2 A-200 **Roll-in Shower Detail**

1/2" = 1'-0"



1 A-200 **Restroom Accessory Mounting Heights**

3/8" = 1'-0"

Floor Plan Legend

- X — New wall construction
- XXX — New door to be installed size as spec'd, type by owner
- VW x — New interior/view window to be installed size as spec'd, type by owner
- W x — New exterior window to be installed size as spec'd, type by owner
- SF- x — New curtainwall/storefront to be installed size as spec'd, type by owner

Restroom Notes

A. All dimensions and clearance outlines shown for drawings herein provided for restrooms (elevations and plans) are in compliance with Chapter 11 NYSUFP & Bldg. Code and the ICC/ANSI Standards A117.1 referenced therein (U.N.O.).
B. For Grab Bars and other wall mounted accessories, Refer To Elevations for Typical Mounting Heights, Locations & Clearances. Wood Blocking Shall be Provided For All Wall Mounted Accessories. coordinate with Equipment Provider & Installation Instructions.
C. Provide 2x6 Wd. Blocking Between Metal Studs Within Walls At Drywall Partitions For Supporting Millwork.
D. Location and Type of Plumbing Fixtures must be Coordinated with Engineering Plumbing Drawings.
E. For All Additional Accessory Information, Reference The Accessories Schedule & Specifications.
F. For Location Of Finishes, Coordinate Interior Elevations with Finish Floor Plans, Interior Elevations & Schedule on 'I' - Series Drawings.
G. If grab bars are mounted to toilet partitions, use tamper proof through bolts in lieu of standard anchors/screws to mount grab bars. In addition, provide additional supports at wall mounting for toilet partitions.

Keynotes

1 — Flooring material transition, Use transistion [TRN-X] assosiated with abutting materials as decribed on I-000.

2 — Reference shower detail drawings in A-200 series for accessible accessory locations.

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AIM RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 03/13/2026

DRAWING NAME:
Restroom & Appliance Information

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
A-200

Project No: 24-1121

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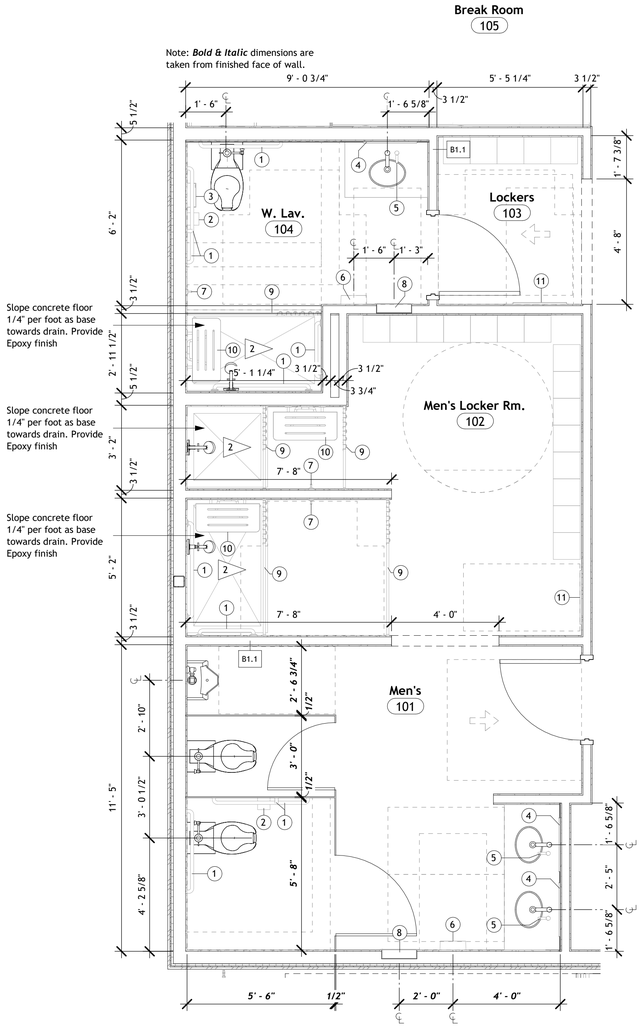
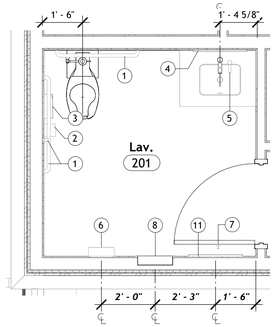
Note: ***Bold & Italic*** dimensions are taken from finished face of wall.



1 A-201 Enlarged First Floor Lavs

3/8" = 1'-0"

Note: ***Bold & Italic*** dimensions are taken from finished face of wall.



2 A-201 Enlarged Second Floor Lav.

3/8" = 1'-0"

Floor Plan Legend

- X — New wall construction
- XXX — New door to be installed size as spec'd, type by owner
- VW x — New interior/view window to be installed size as spec'd, type by owner
- W x — New exterior window to be installed size as spec'd, type by owner
- SF- x — New curtainwall/storefront to be installed size as spec'd, type by owner

Restroom Notes

A. All dimensions and clearance outlines shown for drawings herein provided for restrooms (elevations and plans) are in compliance with Chapter 11 NYSUFP & Bldg. Code and the ICC/ANSI Standards A117.1 referenced therein (U.N.O.).
B. For Grab Bars and other wall mounted accessories, Refer To Elevations for Typical Mounting Heights, Locations & Clearances. Wood Blocking Shall be Provided For All Wall Mounted Accessories. coordinate with Equipment Provider & Installation Instructions.
C. Provide 2x6 Wd. Blocking Between Metal Studs Within Walls At Drywall Partitions For Supporting Millwork.
D. Location and Type of Plumbing Fixtures must be Coordinated with Engineering Plumbing Drawings.
E. For All Additional Accessory Information, Reference The Accessories Schedule & Specifications.
F. For Location Of Finishes, Coordinate Interior Elevations with Finish Floor Plans, Interior Elevations & Schedule on 'I' - Series Drawings.
G. If grab bars are mounted to toilet partitions, use tamper proof through bolts in lieu of standard anchors/screws to mount grab bars. In addition, provide additional supports at wall mounting for toilet partitions.

Keynotes

1. Flooring material transition, Use transistion [TRN-X] assosiated with abutting materials as decribed on I-000.
2. Reference shower detail drawings in A-200 series for accessible accessory locations.

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AIM RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 03/13/2026

DRAWING NAME:
Enlarged Restroom Plans

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
A-201

Project No: 24-1121

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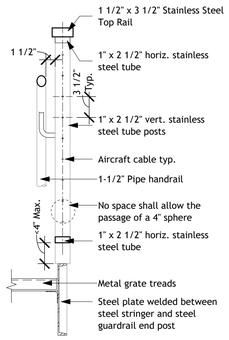
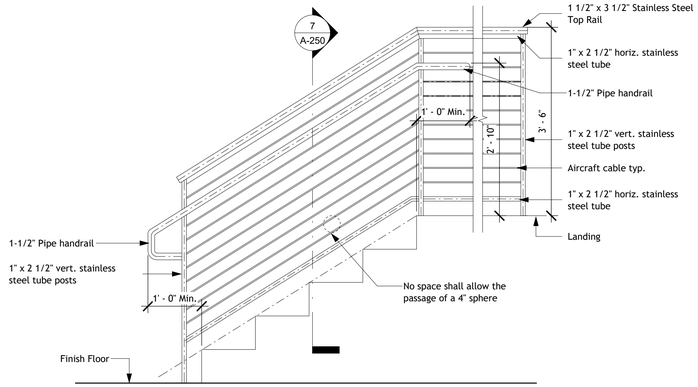
Note:
- Refer to Interior drawings for all stair finishes. including but not limited to paint, stains and species.
- All exposed steel shall be primed and painted for exterior exposure.



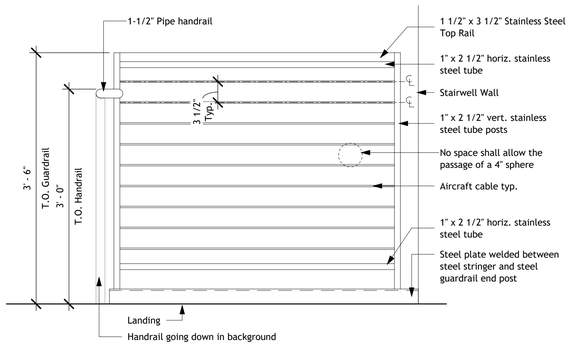
7 A-250 Pipe_Cable_Guardrail Section Detail
1" = 1'-0"

Note:
- Refer to Interior drawings for all stair finishes. including but not limited to paint, stains and species.
- All exposed steel shall be primed and painted for exterior exposure.



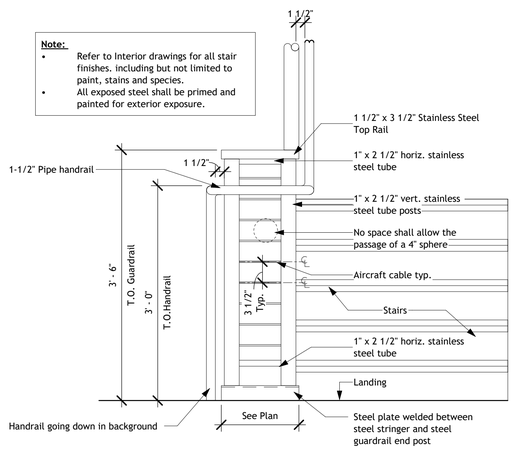
8 A-250 Pipe_Cable_Guardrail Elevation
3/4" = 1'-0"

Note:
- Refer to Interior drawings for all stair finishes. including but not limited to paint, stains and species.
- All exposed steel shall be primed and painted for exterior exposure.



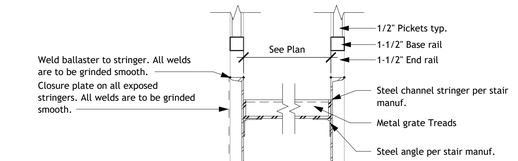
9 A-250 Pipe_Cable_Guardrail @ Top Landing
1" = 1'-0"

Note:
- Refer to Interior drawings for all stair finishes. including but not limited to paint, stains and species.
- All exposed steel shall be primed and painted for exterior exposure.



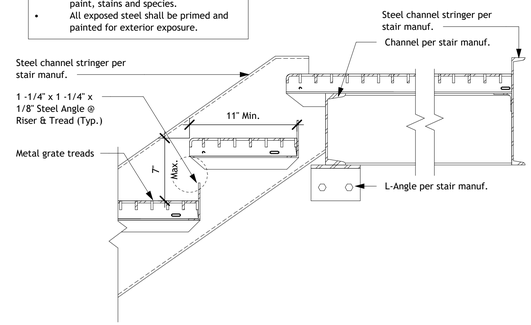
10 A-250 Pipe_Cable_Guardrail @ Intermidate Landing
1" = 1'-0"

Note:
- Refer to Interior drawings for all stair finishes. including but not limited to paint, stains and species.
- All exposed steel shall be primed and painted for exterior exposure.



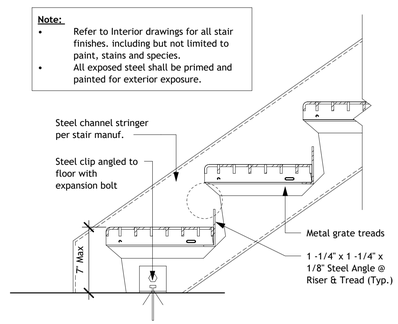
3 A-250 Metal Pan_Stringer Details
1 1/2" = 1'-0"

Note:
- Refer to Interior drawings for all stair finishes. including but not limited to paint, stains and species.
- All exposed steel shall be primed and painted for exterior exposure.



2 A-250 Metal Grate_Stair Landing Details
1 1/2" = 1'-0"

Note:
- Refer to Interior drawings for all stair finishes. including but not limited to paint, stains and species.
- All exposed steel shall be primed and painted for exterior exposure.



1 A-250 Metal Grate_Stair Detail B.O. Landing
1 1/2" = 1'-0"

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Scale: 03/13/2026

DRAWING NAME:
Vert. Circulation Details

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
A-250

Project No: 24-1121

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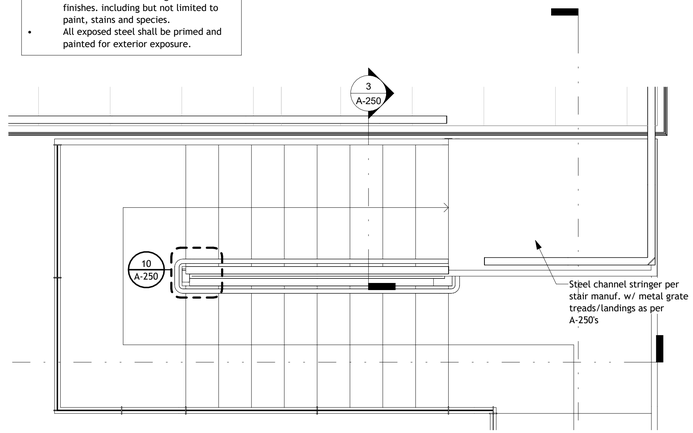
Stair Notes & Keynotes

A. Stairs to provide a minimum of 44" clear width between stringers. Unless noted otherwise.
B. Stair landings to provide a minimum clear width equal or greater to the width between stringers.
C. Sprinkler standpipes and valves (if applicable) must be located tight within the corners of the stair, outside of the radial path of travel.
D. Any windows less than 60" above the adjacent walking surface (stair treads and or landings) shall have a guard.
E. Stair risers shall be 7 inches max. and 4 inches min. unless otherwise noted. The riser height shall be measured vertically between the nosings of adjacent treads.
F. Stair treads shall be 11 inches min. unless otherwise noted. The tread shall be measured horizontally between the vertical plans of the foremost projection of adjacent treads and at the right angle to the treads nosing.
G. The area of refuge, if applicable, must be 30 inches by 48 inches. Such wheelchair space shall not reduce the means of egress min. width or required capacity.

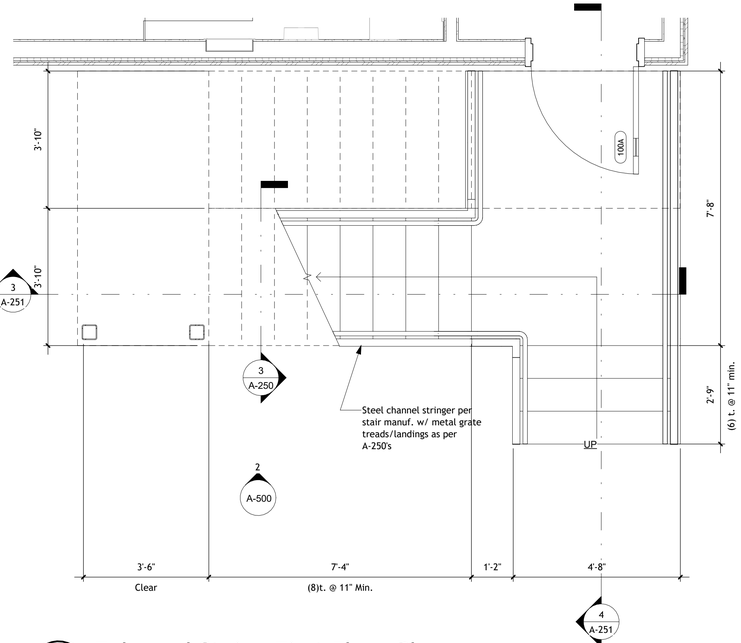
1 — Refer to A-250 for railing details.

Note:
- Refer to Interior drawings for all stair finishes. including but not limited to paint, stains and species.
- All exposed steel shall be primed and painted for exterior exposure.

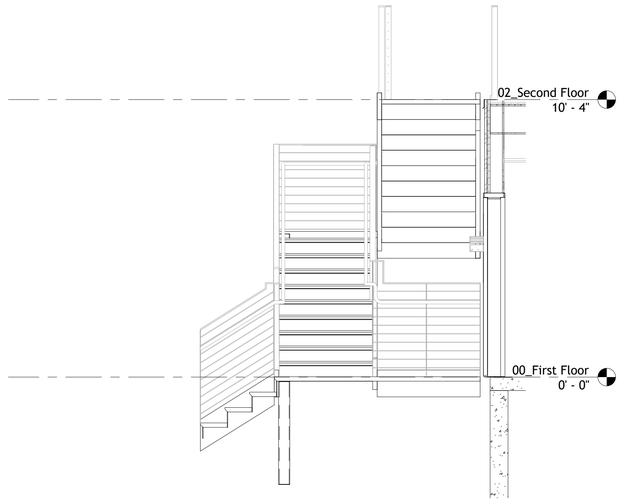


1 A-251 — Enlarged Stair - Second Floor Plan
1/2" = 1'-0"

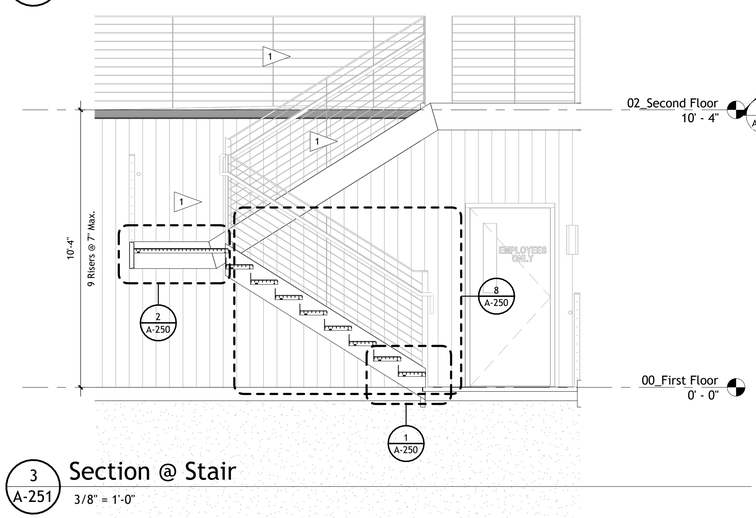
Note:
- Refer to Interior drawings for all stair finishes. including but not limited to paint, stains and species.
- All exposed steel shall be primed and painted for exterior exposure.



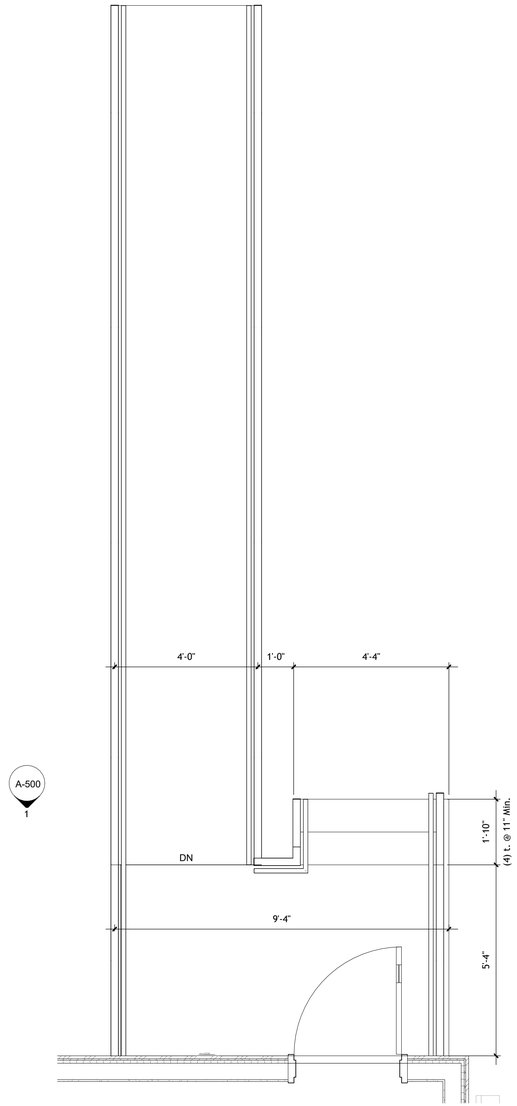
2 A-251 — Enlarged Stair - First Floor Plan
1/2" = 1'-0"



4 A-251 — Section @ Stair 2
3/8" = 1'-0"



3 A-251 — Section @ Stair
3/8" = 1'-0"



5 A-251 — Stair and Ramp Plan
1/2" = 1'-0"

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RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description — Date

Sealed: 03/13/2026

DRAWING NAME:
Enlarged Stair Plans & Sections

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
A-251

Project No: 24-1121

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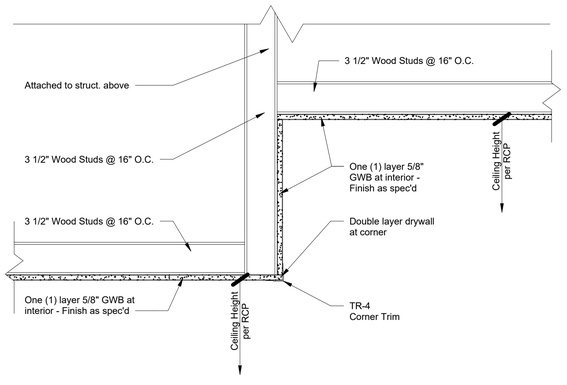
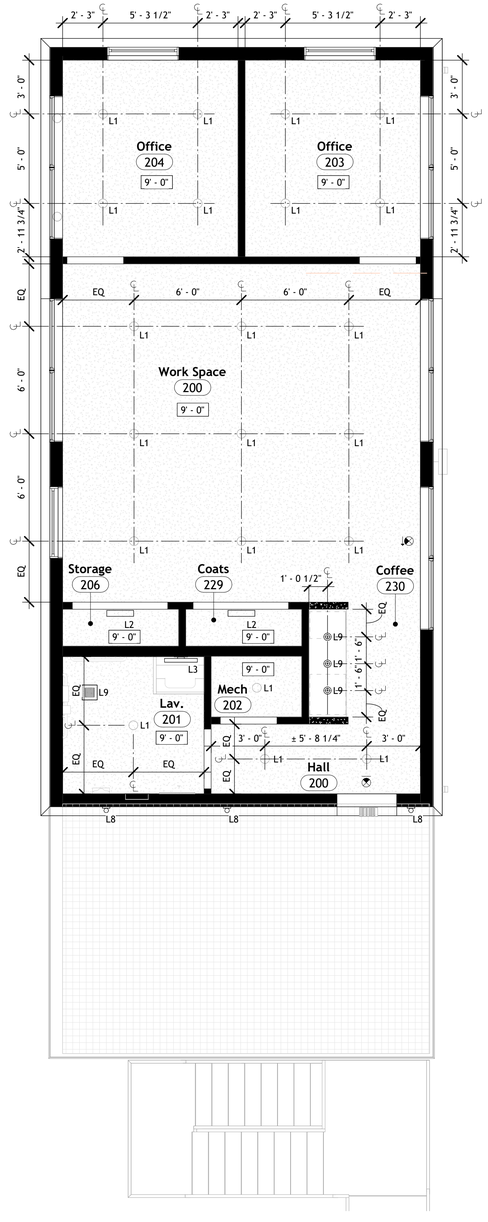
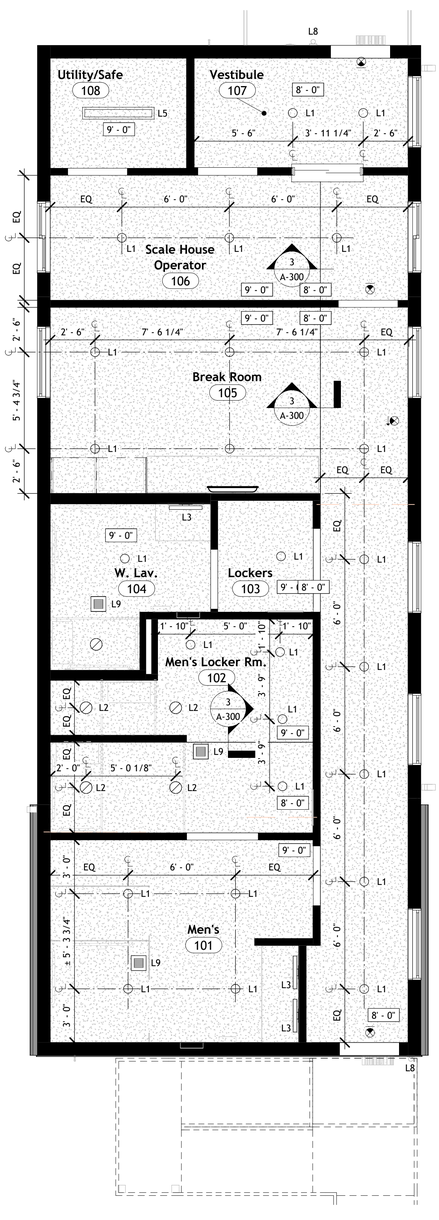


3 A-300 DWG Soffit Detail
1 1/2" = 1'-0"



2 A-300 Second Floor Plan
1/4" = 1'-0"



1 A-300 First Floor Plan
1/4" = 1'-0"

Ceiling Plan Notes

A. All ceilings shall be installed at height above finish floor as indicated on reflected ceiling plans.
B. Do not begin installation of ceiling materials until all overhead work including, but not limited to, mechanical, electrical and fire protection system installations are completed, tested and approved.
C. Verify ceiling layouts by actual field dimensions prior to installation. Verify actual location of penetrating items in field.
D. Support system independent of walls, columns, ducts, pipes, and conduit. Maintain face plane with adjacent members when splicing carrying tees.
E. Use properly placed and suspended load carrying frame channels to maintain hanger spacing and vertical position when interrupted by mechanical and electrical equipment and other horizontally run equipment.
F. Coordinate with other work supported by or penetrating ceiling systems, mechanical and electrical work and partition systems, including, but not limited to, return and supply air diffusers, light fixtures, emergency lighting, exit signs, fire detection systems, audio and video systems.
G. For installation and selection of interior lighting, see Specifications § 26 5100 for Interior Lighting, and other related section in Division 26 for wiring and devices.
H. Refer to finish selection schedule and Specifications § 09 5100 for specific ceiling system information.
I. New light fixtures shall have new light switching shall be adjacent or incorporated in new box with existing light switching. Coordinate final locations with Owner, and direction on Engineering Drawings.

Ceiling Type Legend

GWB-1 — Gypsum Wall Board Ceiling
Height as Specified

ACT-1 — 24"x48" Acoustical Ceiling Tile and Grid
Height as Specified
Product as Indicated on Interiors Drawings.

Ceiling Light & Symbol Legend

MEP Items

Exit device.
Coordinate with Electrical for specs & locations.

Supply diffuser.
Coordinate with Mechanical for specs & locations.

Return register.
Coordinate with Mechanical for specs & locations.

Light Fixtures

L1	Recessed Downlight
L2	Recessed Downlight - Wet Rated
L3	Vanity Sconce
L4	Utility CL. Sconce
L5	Utility Linear Fixture
L6	Mini Pendant
L7	Recessed Perimeter Linear
L8	Exterior Sconce
L9	Vent Fan
L10	Vent Fan with Light

Note: Coordinate with Electrical for specs & locations of all light fixtures.

Symbol Legend

CPT-X / B-X — Floor finish; See I-700 for finish information. / Base finish; See I-700 for finish information.
PT-X — Wall or other finish; See I-700 for finish information.
X — Keynote; See keynote legend on sheet.
X — Signage; See I-900 for information.

Project Specific Finish Notes

A. Refer to A-200 series for plumbing fixture, lav accessory, appliance schedules & mounting details.
B. Drywall ceilings, soffits & bulkheads to be painted PT-1 U.N.O.
C. H.M. doors and door frames to be painted PT-5 in semi-gloss finish, U.N.O.
D. Window Sills and Frames to be painted PT-5 in semi-gloss finish, U.N.O.

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RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Scaled: 03/13/2026

DRAWING NAME:
Reflected Ceiling Plans & Details

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
A-300

Project No: 24-1121

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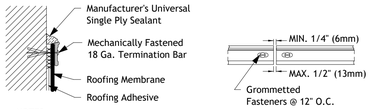
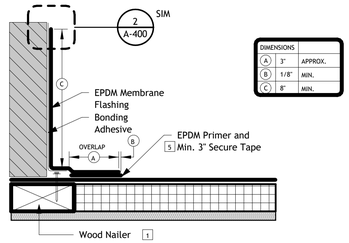


NOTES:
1. Apply on hard smooth surfaces only, not for use with exposed wood.
2. Do not wrap compression termination bars around corners. Follow manufacturer's installation instructions for all detailing.
3. This detail is not for use with warranty projects exceeding 20 years.
4. Wrap EPDM membrane min. 8" up veritcal wall.

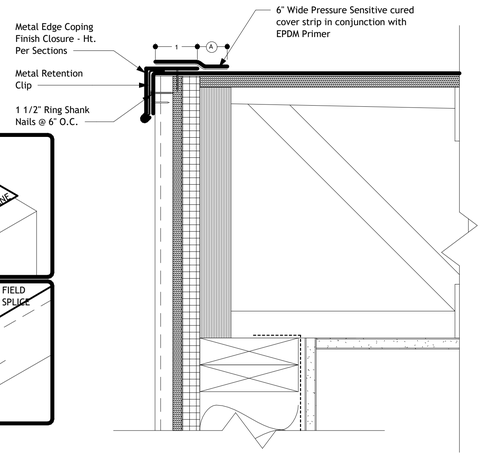
2 A-400 EPDM - Top Termination
3" = 1'-0"



DIMENSIONS		
A	3"	APPROX.
B	1/8"	MIN.
C	8"	MIN.

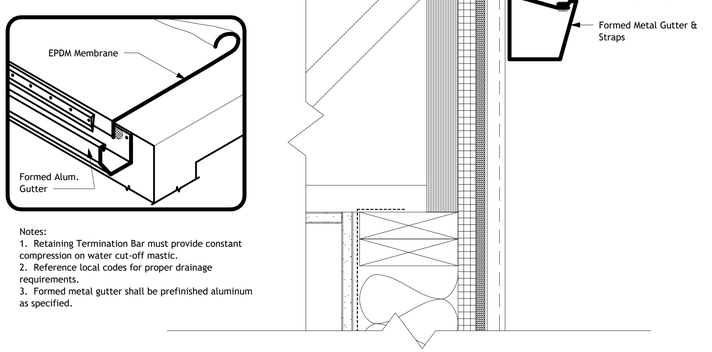
Notes:
1. Wood Nailer must extend past total width of curb flange.
2. Length of rod stock is limited to 4'-0", use individual sections of rod stock for longer dimensions.
3. 7" x 9" pressure-sensitive corners cannot be used for this details when tech flange is located on the top of the membrane due to incomplete coverage of the metal flanges at corners - use other detail as approved by manufacturer.
4. Detail is not acceptable for Vibrating rooftop units.
5. Membrane splices shall incorporate 6 inch wide field applied secure tape for projects with 20, 25 and 30 year warranties.

3 A-400 EPDM - Bottom Termination
3" = 1'-0"



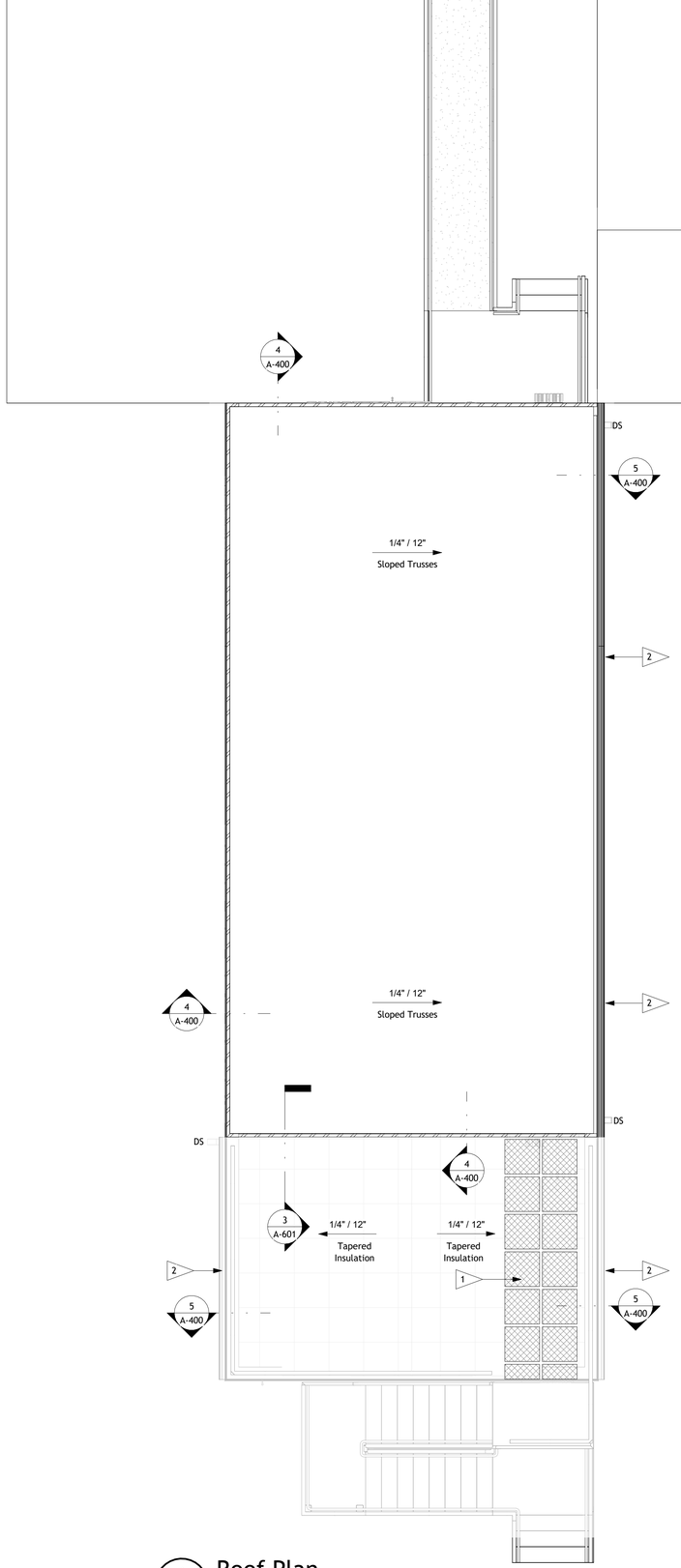
Notes:
1. Deck Flange must be totally covered by pressure sensitive cured cover strip with minimum 2 inch coverage past nails.
2. Wood Nailer must extend past total width of metal edge.
3. To remove finishing oils, scrub metal flange with weathered membrane cleaner. Allow to dry prior to applying primer.
4. Lap Sealant must be applied at flashing overlaps and intersections with joints in metal edging.
5. Apply lap sealant along the leading edge of the membrane splice (under the 6x6 T-joint cover) covering the exposed splice tape 2" in all directions from the splice intersection.
6. Refer to Manufacturer's step by step installation procedures prior to installation.
7. This detail is not to be used with Gravel/ballast.

4 A-400 Typ. Enlarged Roof Edge
3" = 1'-0"



Notes:
1. Retaining Termination Bar must provide constant compression on water cut-off mastic.
2. Reference local codes for proper drainage requirements.
3. Formed metal gutter shall be prefinished aluminum as specified.

5 A-400 Enlarged Roof Edge @ Gutter
3" = 1'-0"



1 A-400 Roof Plan
1/4" = 1'-0"

ROOF PLAN NOTES

A. Roofing contractor shall coordinate with other disciplines for all roof penetrations including- but not limited to- the Mechanical, Electrical, Structural & General Contractor.
B. Check projections, curbs & deck for adequacy of anchorage, foreign material, moisture or unevenness that would prevent execution of work.
C. All surfaces that are to receive new insulation, roofing or flashing shall be thoroughly dry. should surface moisture occur, contractor shall provide necessary equipment to dry surface prior to application.
D. Arrange work sequence to avoid use of newly constructed roofing for storage, walk surface & equipment movement. Where such access is absolutely required, contractor shall provide all necessary protection & barriers to segregate the work areas & prevent damage to adjacent areas. Both plywood & polyester felt protection shall be provided for all roof areas (New & Old) that receive traffic during construction.
E. Roofing, flashing, insulation & vapor barrier shall be installed in strict accordance with manufacturers specifications & shall be applied only by a contractor authorized by roofing manufacturer.
F. Maintain a minimum slope of 1/4" per 1'-0" to drains. Actual tapered insulation layout may vary & shall be provided by contractor to Architect for approval during construction prior to installation.
G. All work shall be scheduled & executed without exposing the interior of the building areas to the effects of inclimate weather. The existing building & its contents shall be protected against all risks.
H. All new or temporary construction including equipment & accessories shall be secured in such a manner at all times as to preclude blow-off & or wind damage.

Roof Plan Legend

Aluminum Roof coping. Refer to spec's

Walkable roof pavers.

Note: Coordinate with architect prior to installation.

Roof Plan Keynotes

1 Walkway pads as spec'd. Coordinate height w/ finished stair height.

2 Aluminum gutter system w/ D.S ties to storm drainage system. Slope gutter 1/8" per 10'-0"

N
KEY PLAN
N.T.S

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AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:		
No.	Description	Date

Sealed: 01/13/2026

DRAWING NAME:
Roof Plan & Details

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
A-400

Project No: 24-1121

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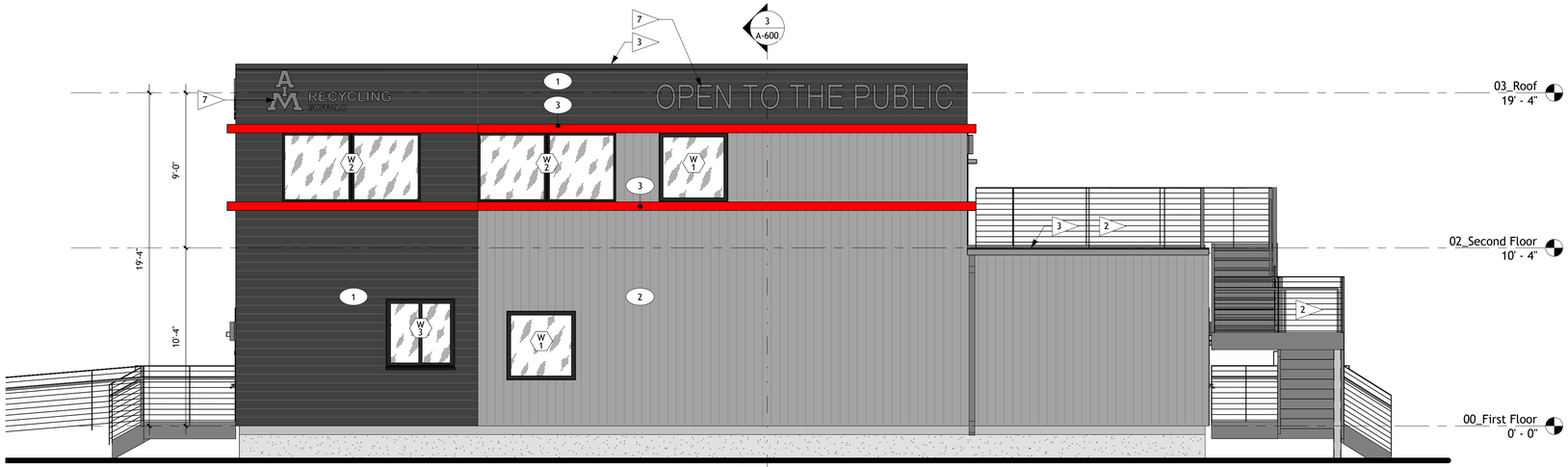
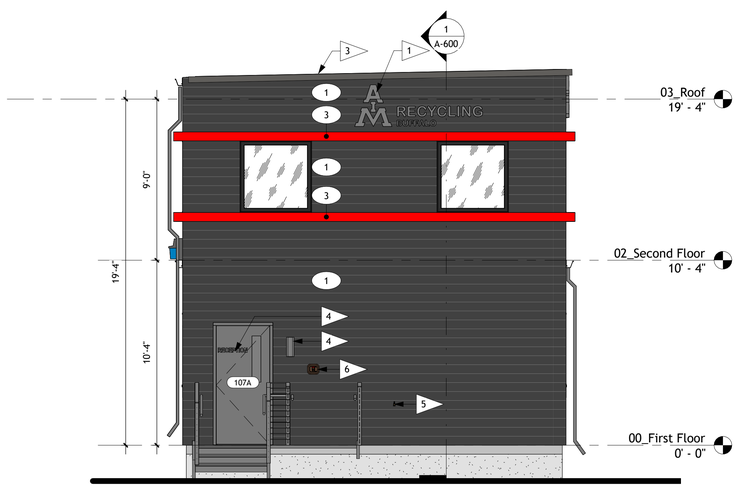
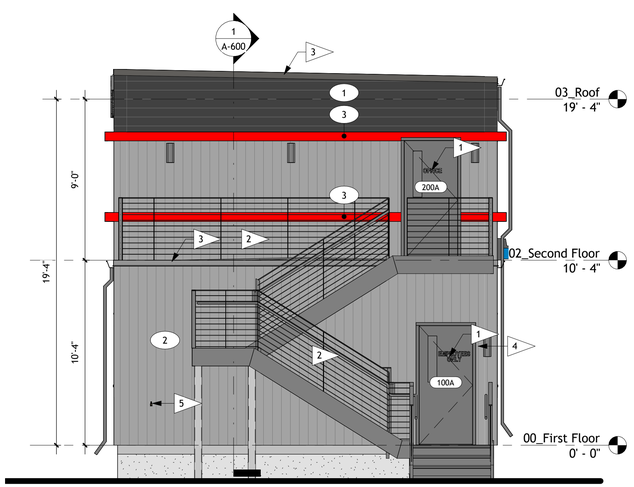
4 A-500 East Elevation
1/4" = 1'-0"



3 A-500 West Elevation
1/4" = 1'-0"



1 A-500 North Elevation
1/4" = 1'-0"



2 A-500 South Elevation
1/4" = 1'-0"

Exterior Finish Schedule			
Callout	Pattern	Material	Description
1		Horizontal Mtl. Panel	Metal Panel Manufacturer: Vicwest Color: 55174 Deep Grey
2		Vertical Mtl. Panel	Metal Panel Manufacturer: Vicwest Color: 56082 Regent Grey
3		Accent Band	Metal Accent Manufacturer: Vicwest Color: 56080 Bright Red

NOTES:
A. **IMPORTANT!** Before final ordering of materials, coordinate color schemes with architect via use of exterior elevations in color.
B. Refer to written specifications for further requirements for each exterior finish listed above, including finishes for doors and windows.
C. ALL exterior dis-similar materials shall be caulked weather tight with silicone caulk, color to match adjacent materials. Contractor shall coordinate all colors selection of caulk to be used on the job with the Architect using elevations for location and application.

Elevation Keynotes

1. Exterior signage.
2. Metal Cable Railings as spec'd. Refer to railing details on A-250.
3. Roof Edge Coping. Refer to A-400's for details.
4. Exterior Sconce
   All Exterior sconces shall be 6'-0" above finish floor unless otherwise noted. Coordinate with Electrical for specs & locations.
5. Hose Bib
   Coordinate with Plumbing for specs & locations.
6. Knox Box
   Coordinate with Fire Protection for specs & locations.
7. Illuminated building signage.

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AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 03/13/2026

DRAWING NAME:
Exterior Elevations

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
A-500

Project No: 24-1121

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General Signage Note: Confirm font style and color information prior to production.



Note
- White Lettering

5 A-501 "Reception"
3/8" = 1'-0"



Note
- White Lettering

4 A-501 "Employees Only"
3/8" = 1'-0"



Note
- White Lettering

3 A-501 "Office"
3/8" = 1'-0"



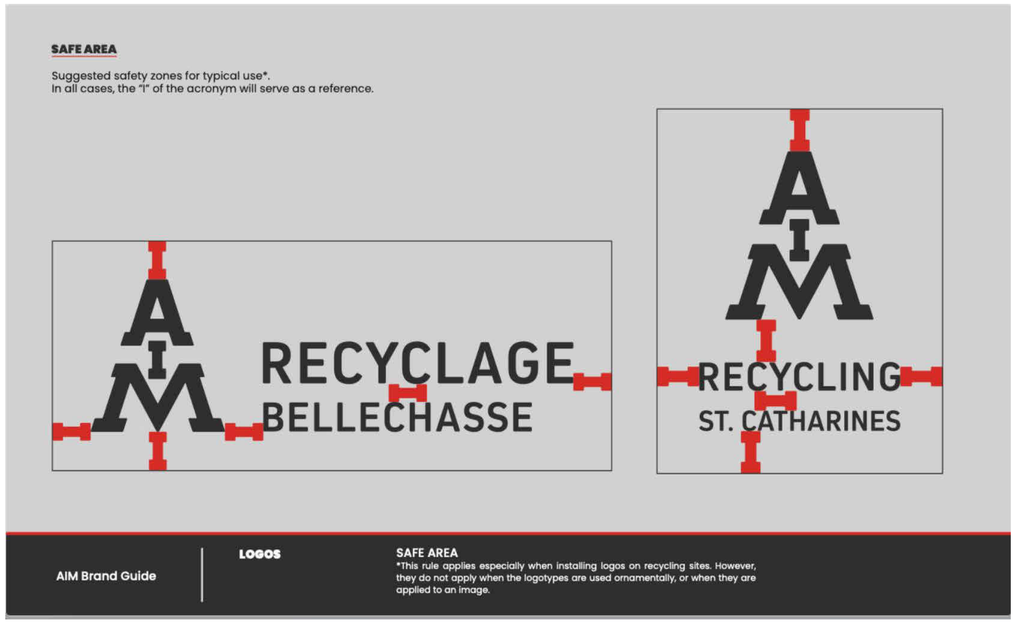
Notes
- Aluminum formed cans w/ 3" deep black returns
- White acrylic faces
- Internal face lit illuminate using LED modules

2 A-501 "Open to the Public"
3/8" = 1'-0"



Notes
- Aluminum formed cans w/ 3" deep black returns
- White acrylic faces
- Internal face lit illuminate using LED modules

1 A-501 "AIM Recycling Buffalo"
3/8" = 1'-0"



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Bid Set

AIM RECYCLING SCALE HOUSE

267 Marilla Street,
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REVISIONS:

No.	Description	Date

Scaled: 03/13/2026

DRAWING NAME:
Exterior Signage and Details

Date: 11/06/2026
Drawn By: CB
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DRAWING NO.
A-501

Project No: 24-1121

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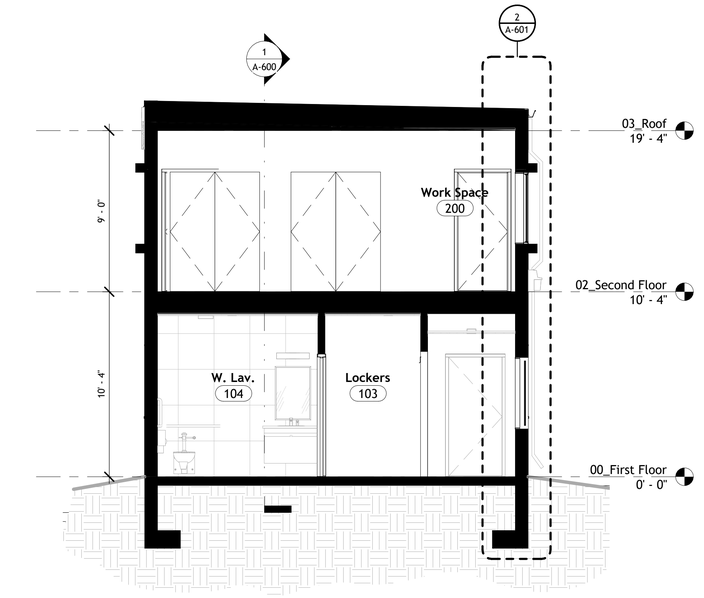
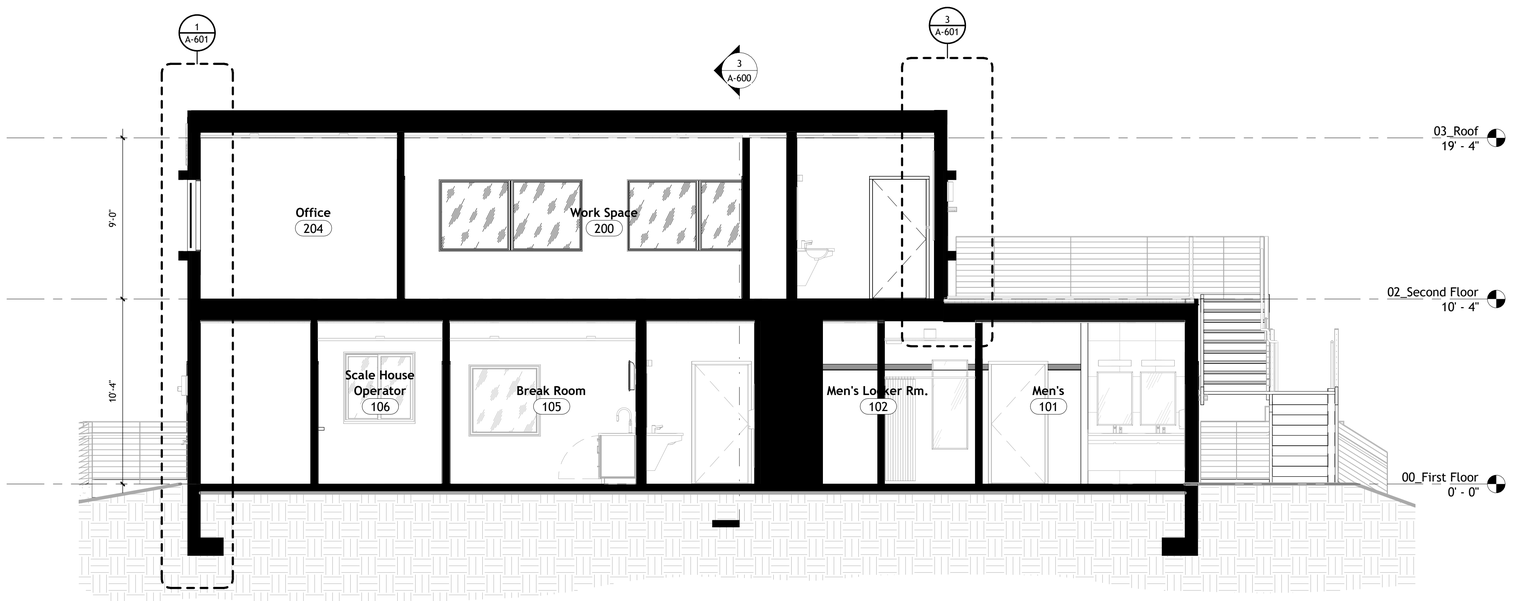


3 A-600 Building Section 2

1/4" = 1'-0"



1 A-600 Building Section

1/4" = 1'-0"

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AIM RECYCLING SCALE HOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 03/13/2026

DRAWING NAME:

Building Sections & Details

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.

A-600

Project No: 24-1121

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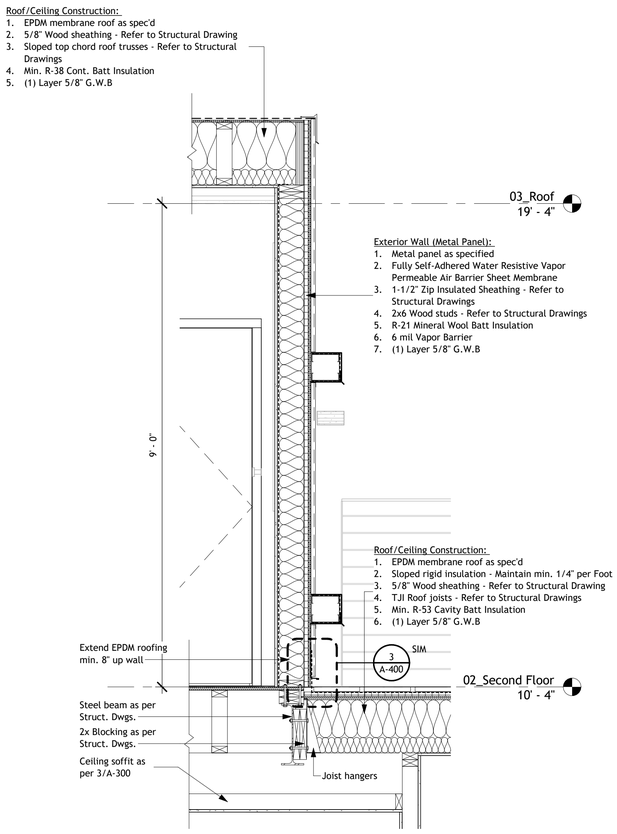
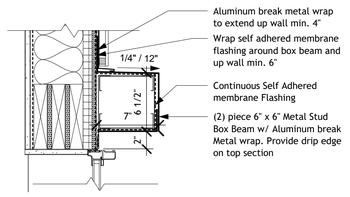
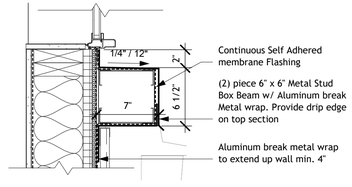


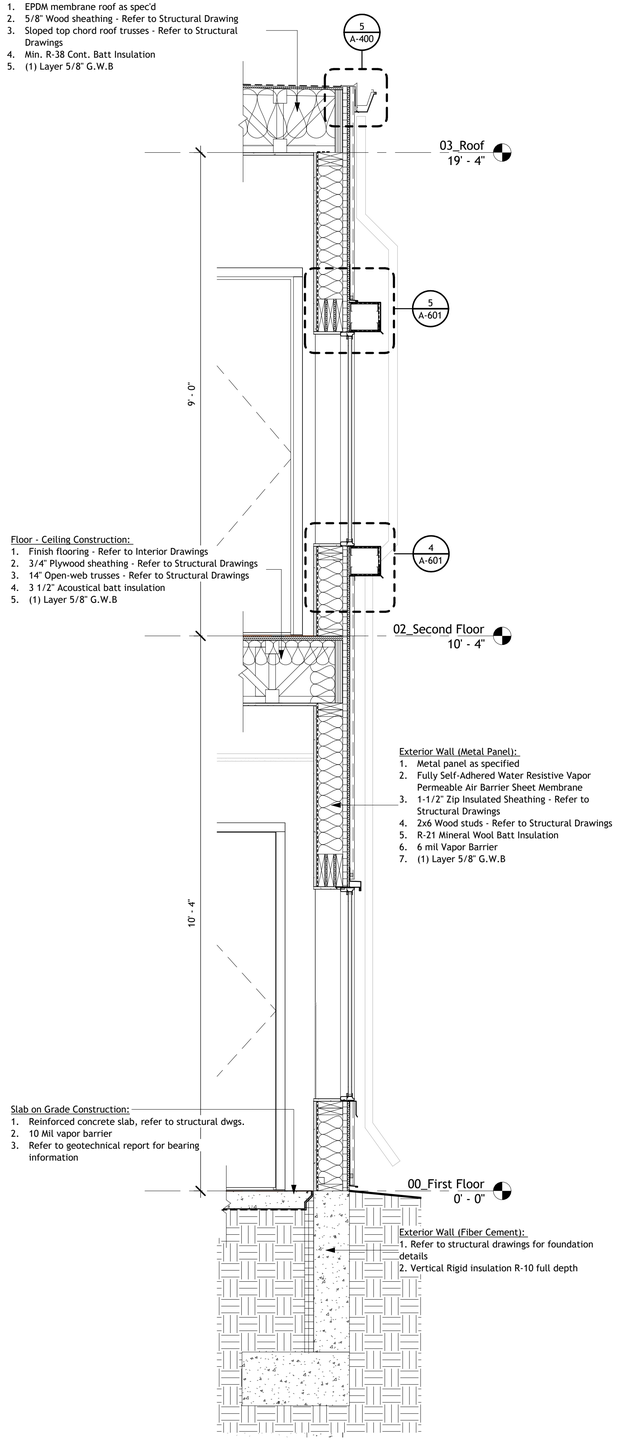
3 / A-601 Wall Section 3
3/4" = 1'-0"



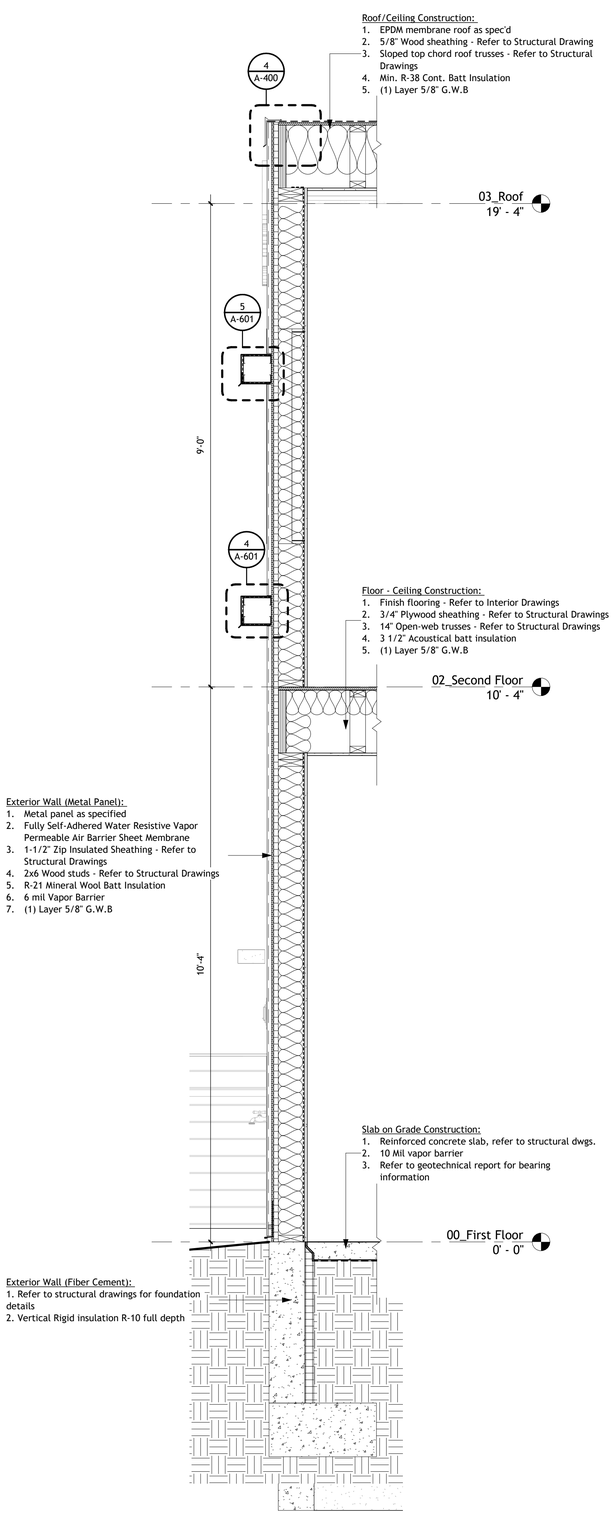
5 / A-601 Box Trim @ Head Detail
1 1/2" = 1'-0"



4 / A-601 Box Trim @ Sill Detail
1 1/2" = 1'-0"



2 / A-601 Wall Section 2
3/4" = 1'-0"



1 / A-601 Wall Section
3/4" = 1'-0"

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AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Scaled: 03/13/2026

DRAWING NAME:
Wall Sections & Details

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
A-601

Project No: 24-1121

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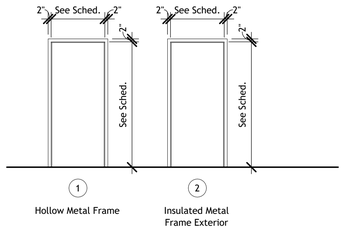
Door Schedule Notes

A. Dimensions given on plans and schedules are nominal. General Contractor and manufacturers to coordinate all dimensions in field concerning frames and rough openings, prior to fabrication and construction.
B. All glazing to comply with glazed panel safety standards and code requirements.
C. Provide tempered glass as required and to comply with code requirements and as indicated by a "temp." on the drawings.
D. All hollow metal frames to be of knock down type unless welded frames are required for fire rating/exterior.
E. All metal entrance doors and frames shall be of cold rolled steel furnished with a factory coat of prime paint. Wipe coat galvanized steel will not be acceptable.
F. Integral frame and door weatherstripping shall be provided as part of the entry doors as Specified.
G. Do not paint over any code required labels such as underwriters laboratories performance rating, name or nomenclature plates.
H. Door hardware shall not mounted over 42" high per accessibility guidelines.
I. For Information on door hardware, refer to specification section 08 7100 DOOR HARDWARE, outlining requirements for hardware and set functions.
J. Protect salvaged doors for reuse in new construction, any damage to doors shall be the responsibility of the contractor for proper replacement in kind.

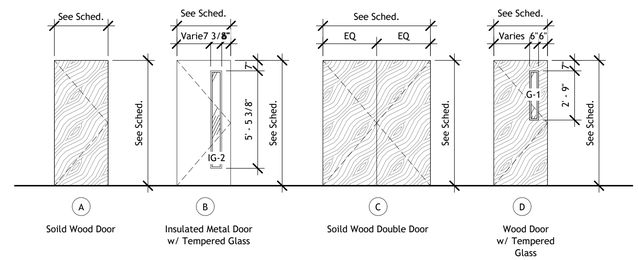
Glazing Schedule	
Tag	**Description**
G-1	1/4" Thick Tempered clear glass
G-2	Bulletproof Level 3 glass
IG-1	1" Insulated clear glass
IG-2	1" Insulated tempered glass

Frame Finish:
- Aluminum Frames - W/ clear anodized finish (Unless otherwise noted).
- Exterior Frames - .....
- Interior Frames - Refer to I-series drawings

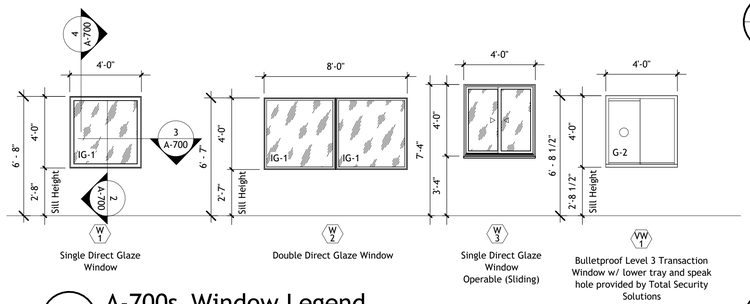
Notes:
- All glazing in hazardous locations as defined in IBC 2406.3 shall be safety glazing and be labeled per IBC paragraph 2406



6 A-700 Door Frame Elevations
1/4" = 1'-0"

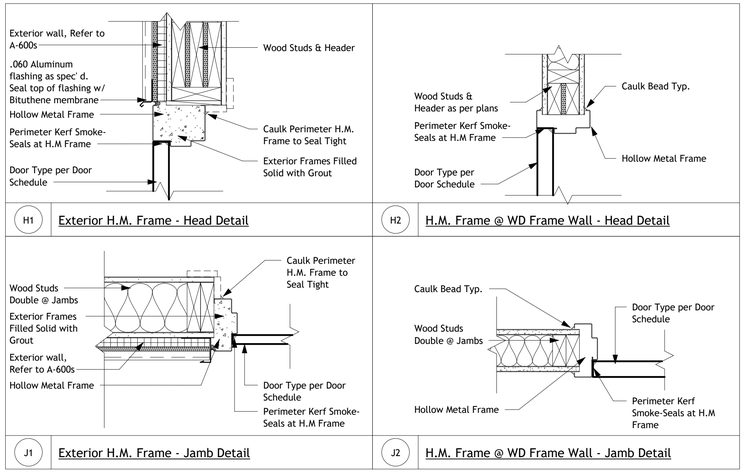


5 A-700 Door Elevations
1/4" = 1'-0"

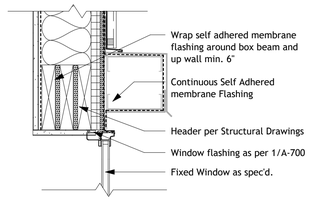


A-700s_Window Legend
1/4" = 1'-0"

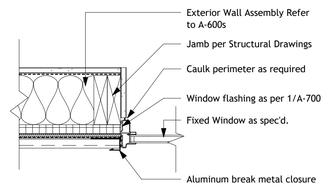
Door Frame Details



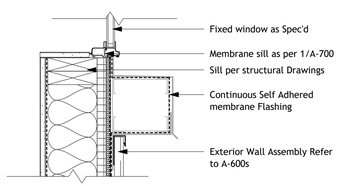
7 A-700 Door Head and Jamb Details
1 1/2" = 1'-0"



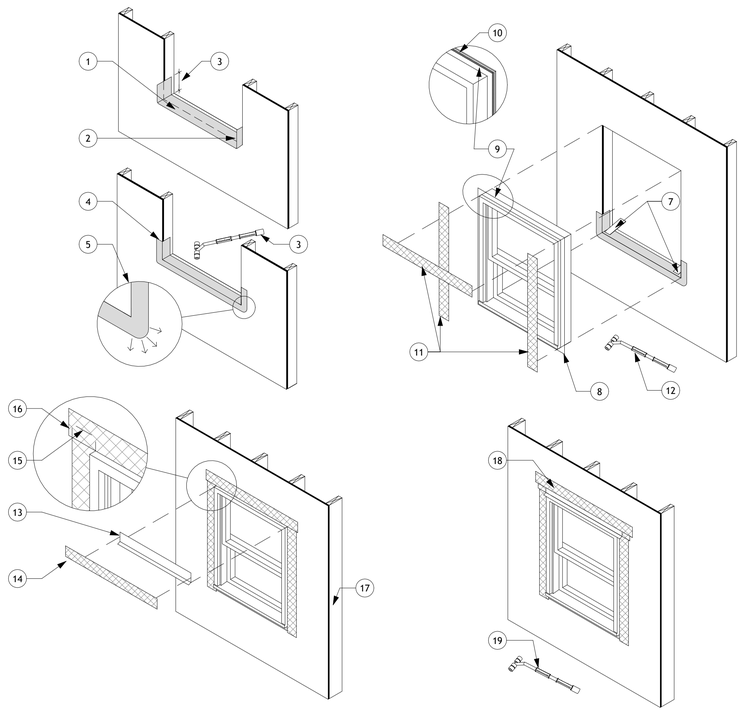
4 A-700 Window Head Detail
1 1/2" = 1'-0"



3 A-700 Window Jamb Detail
1 1/2" = 1'-0"



2 A-700 Window Sill Detail
1 1/2" = 1'-0" '



1 A-700 Window Flashing Detail
1/2" = 1'-0"

WINDOW FLASHING KEYNOTES

1. CENTER FLEXIBLE SELF-ADHERED FLASHING TAPE ON WINDOW SILL. SILL PAN TO EXTEND INTO ROUGH OPENING AS SPECIFIED PER DESIGNER OF RECORD OR WINDOW MANUFACTURER.
2. ENSURE FLEXIBLE SELF-ADHERED FLASHING TAPE FITS TIGHTLY INTO THE CORNERS.
3. EXTEND FLEXIBLE SELF-ADHERED FLASHING TAPE UP THE JAMBS A MINIMUM OF 6-INCHES.
4. EXTEND FLEXIBLE SELF-ADHERED FLASHING TAPE ON THE FACE OF THE ZIP SYSTEM™ PANEL A MINIMUM OF 2-INCHES.
5. WHEN ROLLING THE TAPE ONTO THE PANEL'S SURFACE, START WITH THE CORNERS.
6. ROLL ALL TAPE.
7. SHIMS AS REQUIRED BY THE WINDOW MANUFACTURER.
8. INSTALL GAPS IN THE SEALANT PER WINDOW MANUFACTURER.
9. APPLY A CONTINUOUS BEAD OF SEALANT* AROUND THE BACK SIDE (INTERIOR SURFACE) OF THE WINDOW MOUNTING FLANGE.
10. INSIDE SURFACE OF WINDOW FLANGE.
11. ADHESIVE BACKED FLASHING (MEETING AAMA 711 OR AC148).
12. ROLL ALL TAPE.
13. ZEE FLASHING (ONLY REQUIRED WHEN BUILT-IN DRAINAGE CHANNELS ARE NOT APART OF THE WINDOW'S DESIGN).
14. ADHESIVE BACKED FLASHING (MEETING AAMA 711 OR AC148).
15. ENSURE JAMB FLASHING DOES NOT EXTEND MORE THAN HALF WAY THROUGH THE HEAD FLASHING.
16. EXTEND THE HEAD FLASHING BEYOND THE JAMB FLASHING A MINIMUM OF 1-INCH.
17. FROM THE INTERIOR, INSTALL LOW PRESSURE POLYURETHANE FOAM BETWEEN WINDOW AND ROUGH OPENING TO MAINTAIN CONTINUITY OF THE AIR BARRIER. IF GAP IS TOO NARROW USE A COMPATIBLE CAULK SEALANT.
18. EXTEND THE HEAD FLASHING BEYOND THE JAMB FLASHING A MINIMUM OF 1-INCH.
19. ROLL ALL TAPE.

Door Schedule - First Floor

Door No.	Height	Width	Frame Type	Frame Matl	Door Type	Door Matl	No. of Panels	Panel 1 Width	Panel 2 Width	Head Detail	Jamb Detail	Remarks	Door No.
100A	6' - 8"	3' - 0"	2	HM	B	HM	1	3' - 0"		H1	J1		100A
101A	6' - 8"	3' - 0"	1	HM	A	WD	1	3' - 0"		H2	J2		101A
104A	6' - 8"	3' - 0"	1	HM	A	WD	1	3' - 0"		H2	J2		104A
106A	6' - 8"	3' - 0"	1	HM	D	WD	1	3' - 0"		H2	J2		106A
107A	6' - 8"	3' - 0"	2	HM	B	HM	1	3' - 0"		H1	J1		107A
107B	6' - 8"	3' - 0"	1	HM	D	WD	1	3' - 0"		H2	J2		107B
108A	6' - 8"	3' - 0"	1	HM	A	WD	1	3' - 0"		H2	J2		108A

Door Schedule - Second Floor

Door No.	Height	Width	Frame Type	Frame Matl	Door Type	Door Matl	No. of Panels	Panel 1 Width	Panel 2 Width	Head Detail	Jamb Detail	Remarks	Door No.
200A	6' - 8"	3' - 0"	2	HM	B	HM	1	3' - 0"		H1	J1		200A
200B	6' - 8"	5' - 0"	1	HM	C	WD	2	2' - 6"	2' - 6"	H2	J2		200B
200C	6' - 8"	5' - 0"	1	HM	C	WD	2	2' - 6"	2' - 6"	H2	J2		200C
201A	6' - 8"	3' - 0"	1	HM	A	WD	1	3' - 0"		H2	J2		201A
202A	6' - 8"	2' - 10"	1	HM	A	WD	1	2' - 10"		H2	J2		202A
203A	6' - 8"	2' - 10"	1	HM	D	WD	1	2' - 10"		H2	J2		203A
204A	6' - 8"	2' - 10"	1	HM	D	WD	1	2' - 10"		H2	J2		204A

Door Hardware Schedule - First Floor

Door No.	Hinges/Pivots	Lockset Function	Lockset Cylindrical	Lockset Mortise	Lockset Bolts	Lockset Exit Dev.	Electric Hdw.	Auto. Opener	Closer	Push/Pull	Plates	Stops Wall	Stops Floor	Stops Overhead	Seals	Sweep	Silencers	Threshold	Remarks
100A	(3) Hinges	Exterior		X			X							X	X	X	X	X	
101A	(3) Hinges	Exterior							X		Kick Plate	X					X		
104A	(3) Hinges	Privacy	X								Kick Plate	X					X		
106A	(3) Hinges	Office	X										X				X		
107A	(3) Hinges	Exterior		X			X	X	X					X	X	X	X	X	
107B	(3) Hinges	Privacy		X			X		X			X					X	X	
108A	(3) Hinges	Storage	X									X					X		

Door Hardware Schedule - Second Floor

Door No.	Hinges/Pivots	Lockset Function	Lockset Cylindrical	Lockset Mortise	Lockset Bolts	Lockset Exit Dev.	Electric Hdw.	Auto. Opener	Closer	Push/Pull	Plates	Stops Wall	Stops Floor	Stops Overhead	Seals	Sweep	Silencers	Threshold	Remarks
200A	(3) Hinges	Exterior		X			X							X	X	X	X	X	
200B	(3) Hinges	Storage	X										X				X		
200C	(3) Hinges	Storage	X										X				X		
201A	(3) Hinges	Privacy	X								Kick Plate	X					X		
202A	(3) Hinges	Storage	X											X			X		
203A	(3) Hinges	Office	X										X				X		
204A	(3) Hinges	Office	X										X				X		

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Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Scaled: 03/13/2026

DRAWING NAME:
Door & Window Elevations, Details, Schedules

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
A-700

Project No: 24-1121

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Interior Finish Schedule

EPOXY

EP-1 Manufacturer: Stonhard
Product: Stontec ERF
Color: Custom Blend
Note: Textured for sufficient COF
Location: First Floor

EP-2 Manufacturer: Stonhard
Product: Stontec ERF
Color: Custom Blend
Note: Extra texture for sufficient COF
Location: Shower Floors

EP-3 Manufacturer: Stonhard
Product: TBD
Color: Pewter
Location: Shower Walls

TILE

T-1 Distributor: Best Tile
Manufacturer: American Olean
Collection: Theoretical Evolved
Color: Abstract Black
Finish: Matte
Size: 24"x24"

LVT

LVT-1 Manufacturer: Tarkett
Collection: Event Wood
Style: Crafted Plank+
Color: Savannah

BASE

B-1 Description: Epoxy Base
Manufacturer: Stonhard
Product: Stontec ERF
Color: Custom Blend
Height: 4"

B-2 Description: Rubber Base
Manufacturer: Johnsonite
Product: Johnsonite Baseworks Thermoset Rubber
Type: Toe
Color: Black
Size: 4"h; Roll Goods

B-3 Distributor: Best Tile
Manufacturer: American Olean
Collection: Theoretical Evolved
Color: Abstract Black
Finish: Matte
Size: 6" H cut from full tile

TRANSITION

TR-1 Description: Tile to LVT
Manufacturer: Schluter
Collection: Key_Mood
Product: Reno-TK
Finish: Satin Anodized Aluminum

Note: Contractor to test & verify that all flooring transition heights correspond to abutting flooring materials prior to installation.

PLASTIC LAMINATE

PL-1 Manufacturer: Fenix
Product: J0720 Nero Ingo

PL-2 Manufacturer: Formica
Product: Deco Metal Stainless Aluminum

PL-3 Manufacturer: Wilsonart
Product: Fawn Cypress

Symbol Legend

PAINT

CPT-X1 / B-X — Floor finish; See I-700 for manufacturer information.

PT-2 Manufacturer: Sherwian Williams
Color: Ceiling Bright White
Finish: Semi-Gloss
Base: Similar to I-700 for finish information.

PT-X — Wall & Ceiling finish; See I-700 for finish information.

PT-3 Manufacturer: Sherwian Williams
Color: Custom "Light Grey"
Finish: Semi-Gloss

X — Keynote legend on sheet.

PT-4 Manufacturer: Sherwian Williams
Color: See Sheet A-200 for Color Schedule
Finish: Semi-Gloss

PT-5 Manufacturer: Sherwian Williams
Color: Custom Grey
Finish: Semi-Gloss
Location: All doors, door frames & window trim.
Note: Coordinate custom colors with architect.
Note: At doors and door frames to be painted PT-5 in semi-gloss finish, U.N.O.
Note: At Overhead Coiling Doors and door slats and frames to be painted PT-5 in semi-gloss finish, U.N.O.

WALL PROTECTION

WP-1 Manufacturer: Inpro
Product: Palladium R
Wall Protec
Pattern: Washed Wa
Size: 4'x8' (4' Height
Note: Include matchi

CABINETRY

CB-1 Door & Drawer Style:
Overlay: Full
Finish: PL-1
Cabinet Pull: HW-1
Hardware: Soft Close
Note: Finish all expo
cabinet to ma

HARDWARE

HW-1 Description: Small P
Manufacturer: Richel
Iron Fo TBD
Color: TBD

SOLID SURFACE

SS-1 Manufacturer: Corian
Product: Carbon Aggr

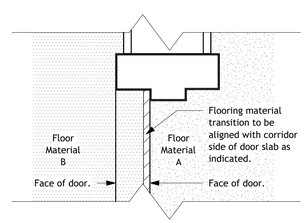
Project Specific Finish Notes

A. Refer to A-200 series for plumbing fixture, lav accessory, appliance schedules & mounting detals.
B. Drywall ceilings, soffits & bulkheads to be painted PT-1 U.N.O.
C. H.M. doors and door frames to be painted PT-5 in semi-gloss finish, U.N.O.
D. Window sills and frames shall be painted PT-5 in semi-gloss finish, U.N.O.

Keynotes

1 — Flooring material transition, Use transistion [TRN-X] assosiated with abutting materials as decribed on I-000.

2 — Reference shower detail drawings in A-200 series for accessible accessory locations.



1 / I-000 Flooring Transition Detail
3" = 1'-0"

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CORNER GU

CG-1 Man
Proc

WINDOW TR

WTR-1 Desc
fasc
Man
Fabr
Ope
Colo
Fasc
Mou
Loca

Electrical D

Description: Fl
receptacles, ja
Finish: Black

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 03/13/2026

DRAWING NAME:
Interiors Notes, Symbols & Typical Details

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
I-000

Project No: 24-1121

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Interior Finish Schedule

EPOXY

EP-1 Manufacturer: Stonhard
Product: Stontec ERF
Color: Custom Blend
Note: Textured for sufficient COF
Location: First Floor

EP-2 Manufacturer: Stonhard
Product: Stontec ERF
Color: Custom Blend
Note: Extra texture for sufficient COF
Location: Shower Floors

EP-3 Manufacturer: Stonhard
Product: TBD
Color: Pewter
Location: Shower Walls

TILE

T-1 Distributor: Best Tile
Manufacturer: American Olean
Collection: Theoretical Evolved
Color: Abstract Black
Finish: Matte
Size: 24"x24"

LVT

LVT-1 Manufacturer: Tarkett
Collection: Event Wood
Style: Crafted Plank+
Color: Savannah

BASE

B-1 Description: Epoxy Base
Manufacturer: Stonhard
Product: Stontec ERF
Color: Custom Blend
Height: 4"

B-2 Description: Rubber Base
Manufacturer: Johnsonite
Product: Johnsonite Baseworks Thermoset Rubber
Type: Toe
Color: Black
Size: 4"h; Roll Goods

B-3 Distributor: Best Tile
Manufacturer: American Olean
Collection: Theoretical Evolved
Color: Abstract Black
Finish: Matte
Size: 6" H cut from full tile

TRANSITION

TR-1 Description: Tile to LVT
Manufacturer: Schluter
Collection: Key_Mood
Product: Reno-TK
Finish: Satin Anodized Aluminum

Note: Contractor to test & verify that all flooring transition heights correspond to abutting flooring materials prior to installation.

PLASTIC LAMINATE

PL-1 Manufacturer: Fenix
Product: J0720 Nero Ingo

PL-2 Manufacturer: Formica
Product: Deco Metal Stainless Aluminum

PL-3 Manufacturer: Wilsonart
Product: Fawn Cypress

PAINT

PT-1 Manufacturer: Sherwian Williams
Color: Ceiling Bright White
Finish: Semi-gloss

PT-2 Manufacturer: Sherwian Williams
Color: Custom "Dark Grey"
Finish: Semi-gloss

PT-3 Manufacturer: Sherwian Williams
Color: Custom "Light Grey"
Finish: Semi-Gloss

PT-4 Manufacturer: Sherwian Williams
Color: Custom "Red"
Finish: Semi-Gloss

PT-5 Manufacturer: Sherwian Williams
Color: Grizzle Gray
Finish: Semi-Gloss
Location: All doors, door frames & window trim.

Note: Coordiante custom colors with interior designer. custom colors are correlated to the brand identitity.

WALL PROTECTION

WP-1 Manufacturer: Inpro
Product: Palladium Rigid Sheet Wall Protection
Pattern: Washed Walnut
Size: 4'x8' (4' Height)
Note: Include matching trim

CABINETRY

CB-1 Door & Drawer Style: Flat
Overlay: Full
Finish: PL-1
Cabinet Pull: HW-1
Hardware: Soft Close Doors & Drawers
Note: Finish all exposed faces of cabinet; to match cabinet face.

HARDWARE

HW-1 Description: Small Pulls
Manufacturer: Richelieu
Item #: TBD
Color: TBD

SOLID SURFACE

SS-1 Manufacturer: Corian
Product: Carbon Aggregate

CORNER GUARDS

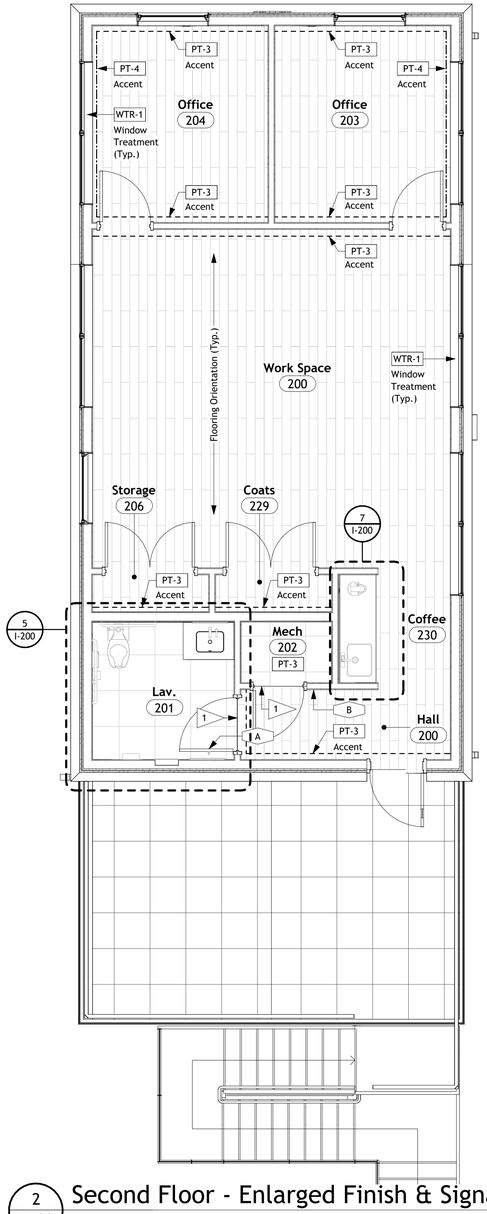
CG-1 Manufacturer: Construction Specialties
Product: Stainless Steel Corner Guards

WINDOW TREATMENT

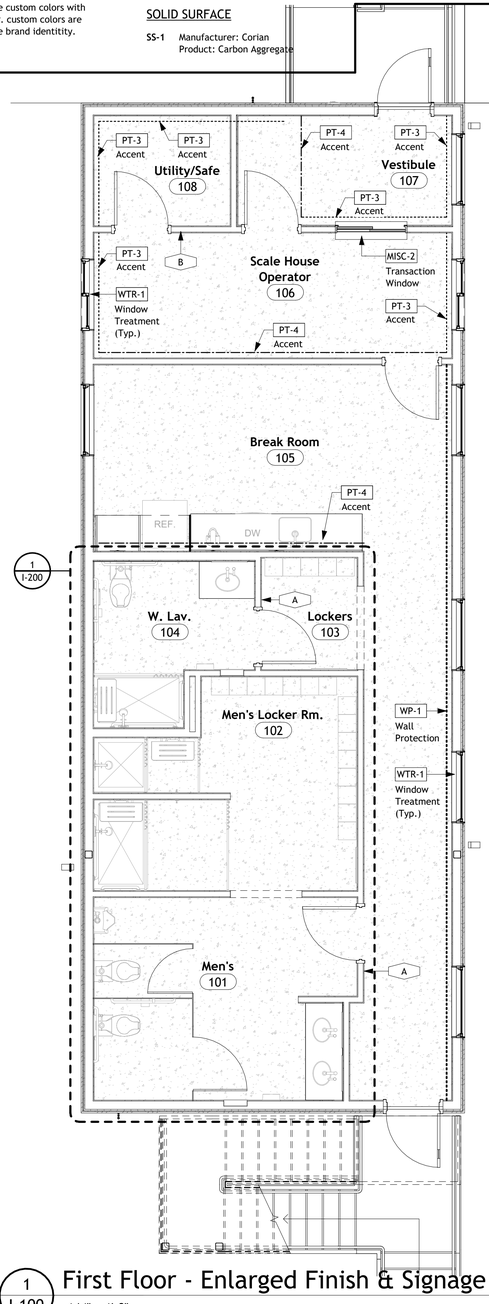
WTR-1 Description: Manual roller shade w/ 3" fascia system
Manufacturer: SWF Contract
Fabric: TBD
Openness Factor: 5%
Color: TBD
Fascia Finish: TBD
Mounted: Interior
Location: All Exterior Windows U.N.O.

Electrical Device Cover Finish

Description: Finish for all wall plates, receptacles, jackets, ETC.
Finish: Black



2 I-100 Second Floor - Enlarged Finish & Signage Plan
1/4" = 1'-0"



1 I-100 First Floor - Enlarged Finish & Signage Plan
1/4" = 1'-0"

1st Floor Interior Finish Matrix

Room	Walls	Wall Base	Floor	Ceiling	Comments
Hall	PT-2 / WP-1 where noted.	B-1	EP-1	PT-1	-
Men's	PT-2	B-1	EP-1	PT-1	See enlarged finish plan for accent wall information.
Men's Locker Rm.	PT-2	B-1	EP-1 / EP-2 @ showers	PT-1	See enlarged finish plan for accent wall information.
Lockers	PT-2	B-1	EP-1	PT-1	See enlarged finish plan for accent wall information.
W. Lav	PT-2	B-1	EP-1 / EP-2 @ shower	PT-1	See enlarged finish plan for accent wall information.
Break Room	PT-2	B-1	EP-1	PT-1	See enlarged finish plan for accent wall information.
Scale House Operator	PT-2	B-1	EP-1	PT-1	-
Vestibule	PT-2	B-1	EP-1	PT-1	-
Utility	PT-2	B-1	EP-1	PT-1	-

Finish Notes:
1. H.M. doors and door frames to be painted PT-5 in semi-gloss finish, U.N.O.
2. Window trim and sills to be painted PT-5 in Semi-gloss finish, U.N.O.

2nd Floor Interior Finish Matrix

Room	Walls	Wall Base	Floor	Ceiling	Comments
Hall	PT-2	B-2	LVT-1	PT-1	-
2nd FL Restroom	PT-2	B-3	T-1	PT-1	See enlarged finish plan for accent wall information.
Office(s)	PT-2	B-2	LVT-1	PT-1	-
Workspace	PT-2	B-2	LVT-1	PT-1	-
Mech.	PT-2	B-2	LVT-1	PT-1	-

Finish Notes:
1. H.M. doors and door frames to be painted PT-5 in semi-gloss finish, U.N.O.
2. Window trim and wills panels to be painted PT-5 in matte finish, U.N.O.

Interior Signage Schedule - First Floor

Number	Name	Signage - Type	Signage - Image/Copy	Signage - Mount	Signage - Notes
101	Men's	A	'Men's Restroom & Lockers'	1	
104	W. Lav.	A	'Women's Restroom'	1	
108	Utility/Safe	B	'Mechanical'	1	

Interior Signage Schedule - Second Floor

Number	Name	Signage - Type	Signage - Image/Copy	Signage - Mount	Signage - Notes
201	Lav.	A	'Restroom'	2	
202	Mech	B	'Mechanical'	1	

Signage Information

Manufacturer: Inpro
Style: Standard Architectural Signage
Collection: Aspen 1
Sign Material: Palladium Rigid Vinyl
Face Plate: Washed Walnut
Back Plate: None
Accent: None
Font: ADA Arial
Text Color: Designer White

Installation Note:

1.) Confirm / verify all sign verbage w/ owner prior to production.

2.) Signage vendor to submit detailed room by room signage schedule for owner & architect review for required text/copy. confirmation of additional sign types per owner request may be applicable at that time.

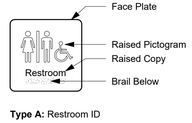
Mounting Types:

1.) Latch side of door, as indicated on signage plans. Mount @ 48" a.f.f. and 6" to sign center from edge of frame.

2.) Location as indicated on signage plan, Mount signage @ 48" a.f.f. to sign center.

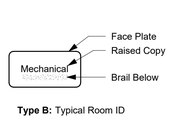
General Note:

1.) Final size of signage to be determined by signage manufacture based on appropriate copy sizing, spacing and numbers of characters. To be approved by interior designer prior to manufacturing.



Type A: Restroom ID

Size: 8"H x 8"W
Note: Verbage depicted is for reference only.



Type B: Typical Room ID

Size: 4"H x 8"W
Note: Verbage depicted is for reference only.

Symbol Legend

CPT-X / B-X — Floor finish; See I-700 for finish information. Base finish; See I-700 for finish information.

PT-X — Wall or other finish; See I-700 for finish information.

X — Keynote; See keynote legend on sheet.

X — Signage; See I-900 for information.

Project Specific Finish Notes

A. Refer to A-200 series for plumbing fixture, lav accessory, appliance schedules & mounting details.
B. Drywall ceilings, soffits & bulkheads to be painted PT-1 U.N.O.
C. H.M. doors and door frames to be painted PT-5 in semi-gloss finish, U.N.O.
D. Window Sills and Frames to be painted PT-5 in semi-gloss finish, U.N.O.

Keynotes

1 — Flooring material transition, Use transistion [TRN-X] assosiated with abutting materials as decribed on I-000.

2 — Reference shower detail drawings in A-200 series for accessible accessory locations.

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Sealed: 03/13/2026

DRAWING NAME:
Enlarged Finish & Signage Plans

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
I-100

Project No: 24-1121

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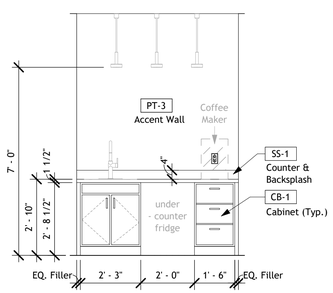
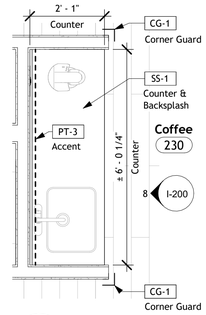
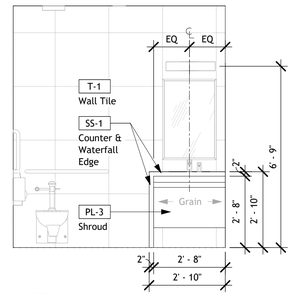


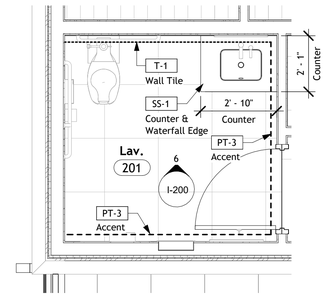
8 I-200 **Coffee Elevation**
3/8" = 1'-0"



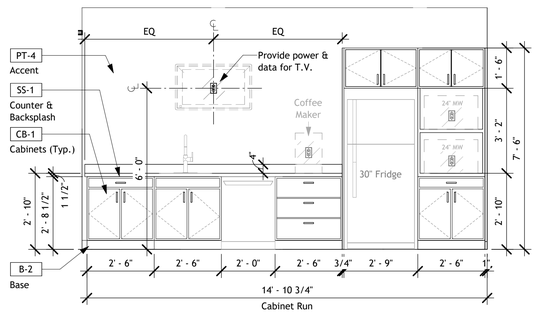
7 I-200 **Enlarged Coffee**
1/2" = 1'-0"



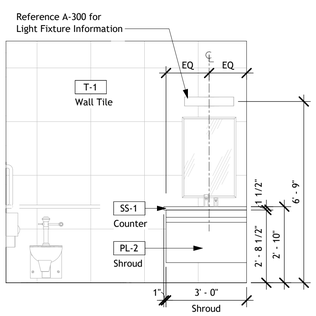
6 I-200 **Lav. Elevation**
3/8" = 1'-0"



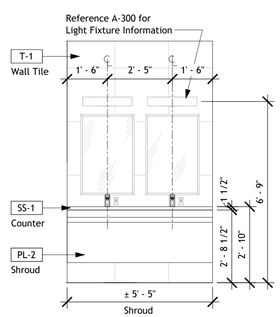
5 I-200 **Enlarged Lav.**
3/8" = 1'-0"



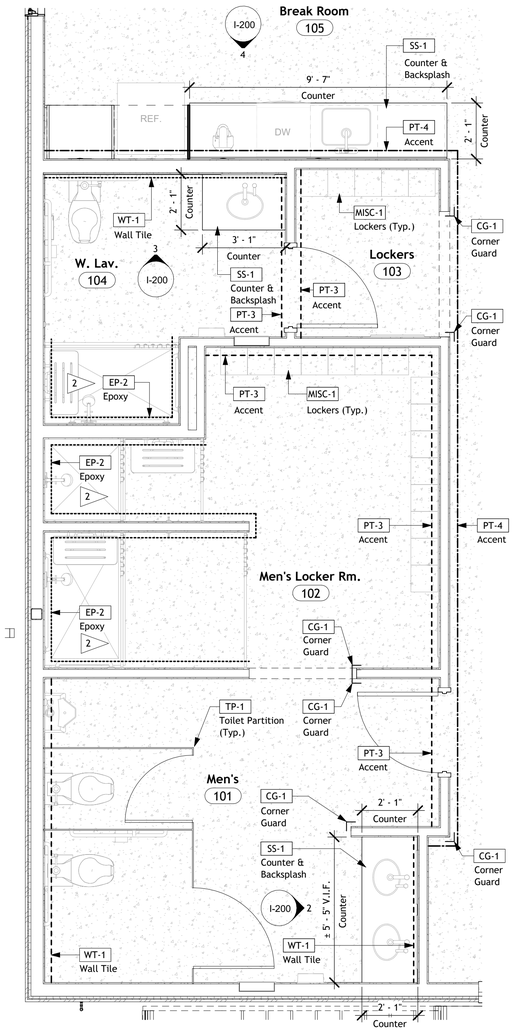
4 I-200 **Break Room Elevation**
3/8" = 1'-0"



3 I-200 **W. Bath Elevation**
3/8" = 1'-0"



2 I-200 **Men's Elevation**
3/8" = 1'-0"



1 I-200 **Enlarged First Floor Lavs & Break Room**
3/8" = 1'-0"

Symbol Legend

- CPT-X / B-X — Floor finish; See I-700 for finish information. / Base finish; See I-700 for finish information.
- PT-X — Wall or other finish; See I-700 for finish information.
- X — Keynote; See keynote legend on sheet.
- X — Signage; See I-900 for information.

Project Specific Finish Notes

A. Refer to A-200 series for plumbing fixture, lav accessory, appliance schedules & mounting details.
B. Drywall ceilings, soffits & bulkheads to be painted PT-1 U.N.O.
C. H.M. doors and door frames to be painted PT-5 in semi-gloss finish, U.N.O.
D. Window Sills and Frames to be painted PT-5 in semi-gloss finish, U.N.O.

Keynotes

1. Flooring material transition, Use transistion [TRN-X] assosiated with abutting materials as decribed on I-000.
2. Reference shower detail drawings in A-200 series for accessible accessory locations.

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 03/13/2026

DRAWING NAME:
Enlarged Plans, Elevations, & Details

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
I-200

Project No: 24-1121

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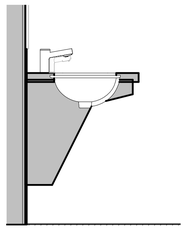
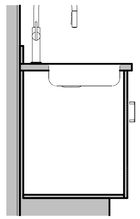
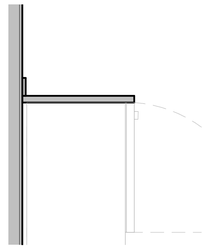


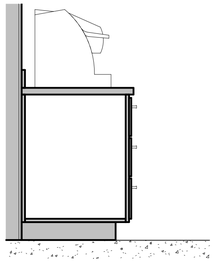
7 I-600 Second Floor Lav. Millwork Section
3/4" = 1'-0"



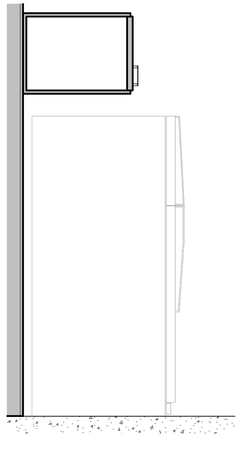
6 I-600 Break Room Millwork Section
3/4" = 1'-0"



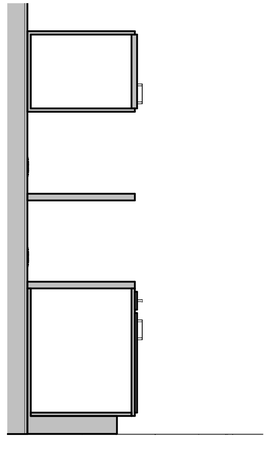
5 I-600 Break Room Millwork Section
3/4" = 1'-0"



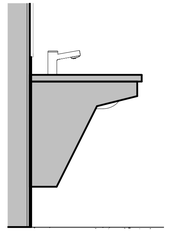
4 I-600 Break Room Millwork Section
3/4" = 1'-0"



3 I-600 Break Room Millwork Section
3/4" = 1'-0"



2 I-600 Break Room Millwork Section
3/4" = 1'-0"



1 I-600 Restroom Millwork Section
3/4" = 1'-0"

Symbol Legend

CPT-X / B-X — Floor finish; See I-700 for finish information. Base finish; See I-700 for finish information.

PT-X — Wall or other finish; See I-700 for finish information.

X — Keynote; See keynote legend on sheet.

X — Signage; See I-900 for information.

Project Specific Finish Notes

A. Refer to A-200 series for plumbing fixture, lav accessory, appliance schedules & mounting detals.
B. Drywall ceilings, soffits & bulkheads to be painted PT-1 U.N.O.
C. H.M. doors and door frames to be painted PT-5 in semi-gloss finish, U.N.O.
D. Window Sills and Frames to be painted PT-5 in semi-gloss finish, U.N.O.

Keynotes

1 Flooring material transition, Use transistion [TRN-X] assosiated with abutting materials as decribed on I-000.

2 Reference shower detail drawings in A-200 series for accessible accessory locations.

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Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Sealed: 03/13/2026

DRAWING NAME:
Millwork Sections

Date: 11/06/2026
Drawn By: CA
Checked By: Checker

DRAWING NO.
I-600

Project No: 24-1121

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FURNACE/CONDENSING UNIT SCHEDULE

FURNACE UNIT NO.	TRANE MODEL NO.	AREA SERVED	INDOOR FAN			S.P. (IN WC)	NG HEATING DATA			COOLING		POWER				CONDENSER. UNIT NO.	TRANE MODEL NO.	CAPACITY TONS	OUTDOOR FAN			ELECTRICAL			REFRIGERANT PIPING		WEIGHT LBS	NOTES
			TOTAL CFM	OA CFM	HP		MBH INPUT	MBH OUTPUT	AFUE %	TOTAL MBH	SEER	VOLTS	PH	MCA	MOCP				# OF FANS	RPM	HP	VOLTS	MCA	MOP	LIQU.	GAS		
F-1	S9X1B060U4PSBA	1ST FLR	1200	150	3/4	0.50	60	58	96.0	36.0	13.0	115	1	10.3	15	ACCU-1	5TTR3036A	3.0	1	1100	1/8	208/1	18	30	5/16"	3/4"	170	
F-2	S9X1B040U3PSBA	2ND FLR	800	100	1/2	0.50	40	38.8	96.0	24.0	13.0	115	1	8.8	15	ACCU-2	5TTR3024A	2.0	1	505	1/8	208/1	14.0	20	5/16"	3/4"	140	

FURNACE ACCESSORIES:

1. DISCONNECT SWITCH.
2. PROGRAMMABLE THERMOSTAT.
3. HOUSEKEEPING PAD
4. LIQUID/SUCTION LINE KIT TO COND UNIT
5. PROVIDE HANGING KIT

CONDENSING UNIT ACCESSORIES:

1. PROVIDE CONCRETE PAD.
2. PROVIDE FACTORY INSTALLED HIGH AND LOW PRESSURE SWITCHES AND THERMAL EXPANSION VALVE.
3. PROVIDE LIQUID LINE SOLENOID VALVE.
4. PROVIDE DISCONNECT SWITCH
5. PROVIDE LOW AMBIENT CONTROL WITH WINTER START-UP KIT.

EXHAUST FAN SCHEDULE

UNIT NO.	AREA SERVED	GREENHECK MODEL NO.	TYPE	CFM	S.P. (IN WC.)	FAN RPM	LIGHT	OPERATING POWER	MOTOR INFORMATION			SONES	NOTES
									VOLTAGE	ENCL.	RPM		
EF-1	ROOM 104	SP-B90	CEILING	80	0.125	700	NO	20 W	115/60/1ø	ODP	700	1.0	1,2,3,4
EF-2	ROOM 102	SP-B150	CEILING	150	0.125	1050	NO	128 W	115/60/1ø	ODP	1050	2.5	1,2,3,4
EF-3	ROOM 101	SP-A200	CEILING	225	0.125	900	NO	54 W	115/60/1ø	ODP	900	1.5	1,2,3,4
EF-4	ROOM 201	SP-B90	CEILING	80	0.125	700	NO	20 W	115/60/1ø	ODP	700	1.0	1,3,4,5

NOTES:

1. CONTROLLED BY SWITCH
2. PROVIDE MANUFACTURER'S WALL CAP.
3. PROVIDE BACKDRAFT DAMPER
4. PROVIDE HANGING KIT WITH VIBRATION ISOLATORS
5. PROVIDE MANUFACTURER'S ROOF CURB AND CAP.

ELECTRIC HEATER SCHEDULE

MARK	SERVICE	TYPE	CFM	POWER	MOTOR AMPS	HEAT K.W.	STEPS	MODEL	ACC
EWH-1	VESTIBULE	WALL	100	208/1	7.2	1.5	1	QMARK AWH4404F	1,2,3,4

ACCESSORIES

1. INTEGRAL TAMPER PROOF THERMOSTAT.
2. SECURITY COVER.
3. MOUNTING FRAME KIT.
4. FACTORY MOUNTED DISCONNECT SWITCH.

AIR DEVICE SCHEDULE

MARK	TYPE	STYLE	FACE	BASIS OF DESIGN
A	SUPPLY	LAY-IN	24"x24"	TITUS TMS
A1	SUPPLY	LAY-IN	12"x12"	TITUS TMS
B	RETURN	LOUVERED, LAY-IN	24"x24"	TITUS 350RL
C	RETURN	LOUVERED, LAY-IN	24"x12"	TITUS 350RL

MARK — A — 8"ø NECK / 150 CFM

NOTES:

1. FINISH TO MATCH ARCHITECTURAL.
2. OPTIONAL VOLUME DAMPER ON ALL DIFFUSERS MOUNTED IN GYPSUM CEILINGS OR SOFFITS.
3. PROVIDE ALL REQUIRED MOUNTING FRAMES AND HARDWARE.

MECHANICAL LEGEND

SUPPLY AIR DIFFUSER	AFF ABOVE FINISHED FLOOR
RETURN AIR GRILLE	RTU ROOF TOP UNIT
EXHAUST FAN	VD VOLUME DAMPER
UNDERCUT DOOR (3/4")	CFM CUBIC FEET PER MINUTE
EXHAUST AIR DUCTWORK	FD FIRE DAMPER
RETURN AIR DUCTWORK	O.A. OUTSIDE AIR
SUPPLY AIR DUCTWORK	EAG EXHAUST AIR GRILLE
	SAR SUPPLY AIR REGISTER
	RAG RETURN AIR GRILLE
	NK NECK
	UD UNDERCUT DOOR (BY ARCHITECT)
	GC GENERAL CONTRACTOR
	OBVD OPPOSED BLADE VOLUME DAMPER
	OED OPEN END DUCT
BALANCE/VOLUME DAMPER	HVAC HEATING VENTILATING AND AIR CONDITIONING
PROGRAMMABLE THERMOSTAT (+48"AFF)	MC MECHANICAL CONTRACTOR
1 / M-100 DETAIL NUMBER / DRAWING SHEET NUMBER	

GENERAL HVAC NOTES

A. CONTRACTOR SHALL MAINTAIN A MIN. OF 10 FEET CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND EXHAUSTS, PLUMBING VENTS, ETC.

B. CONTRACTOR SHALL MAINTAIN RECOMMENDED CLEARANCES FOR MAINTENANCE, OPERATION, ETC. ON ALL MECHANICAL EQUIPMENT.

C. INSULATED FLEXIBLE SUPPLY AIR DUCT MAY BE USED UP TO 5'-0" FROM SUPPLY DIFFUSERS.

D. CONTRACTOR SHALL COORDINATE ALL HVAC WORK WITH OTHER TRADES, ELECTRICAL, PLUMBING, STRUCTURAL, ETC.

E. ALL WORK SHALL BE IN FULL COMPLIANCE WITH ALL STATE AND LOCAL CODES AND REGULATIONS.

F. HVAC EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

G. COORDINATE EXACT LOCATION OF HVAC UNITS WITH ARCHITECTURAL DRAWINGS AND STRUCTURAL STEEL.

H. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF THERMOSTATS WITH OWNER.

I. REFRIGERANT PIPING INSTALLATION SHALL CONFORM TO SECTION 1109 OF THE 2025 MCNYS.

HVAC SPECIFICATIONS

NOTE: MANUFACTURERS' NAMES ON WHICH THIS SPECIFICATION IS BASED INDICATE THE MINIMUM QUALITY OF PRODUCT REQUIRED. SUBSTITUTION MAY BE MADE TO THOSE SPECIFIED IF DEEMED EQUIVALENT BY THE OWNER'S REPRESENTATIVE. ALL WORK AND PRODUCTS SHALL MEET THE REQUIREMENTS OF GOVERNING CODES.

1. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH ALL APPLICABLE CODES.
2. SEE ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS. ALL CONDITION REQUIREMENTS SHALL APPLY UNLESS OTHERWISE NOTED.
3. ALL WORK SHALL BE PERFORMED AS INDICATED ON DRAWINGS UNLESS FIELD CONDITIONS REQUIRED MINOR CHANGES BE MADE. MINOR CHANGES SHALL BE MADE WITH NO ADDITIONAL COST.
4. ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK BY THE OWNER.
5. CONTRACTOR SHALL PREPARE AND SUBMIT AS-BUILT DRAWINGS TO THE OWNER AND THE LANDLORD. AS-BUILT DRAWINGS SHALL INDICATE THE ACTUAL MANUFACTURER OF THE EQUIPMENT THAT WAS INSTALLED, THE EXACT LOCATION OF THE EQUIPMENT AND PERTINENT CAPACITIES FOR HEATING, COOLING, ELECTRICAL, ETC.
6. DEFICIENCIES AND NON-CONFORMING ITEMS SHALL BE CORRECTED BY THE CONTRACTOR. FAILURE TO CORRECT SUCH ITEMS SHALL PERMIT THE OWNER TO CORRECT SAME AT A COST TO THE CONTRACTOR
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL PERMITS AND PAYING FOR SAME. HE SHALL INCLUDE IN HIS BID CHARGES FOR ALL FEES ASSOCIATED WITH THE CONSTRUCTION OF THE SPACE INCLUDING BUT NOT LIMITED TO LOCAL, COUNTY, OR STATE SERVICE CHARGES AND PERMIT FEES.
8. THE SCOPE OF WORK OF THIS CONTRACT INCLUDES, BUT SHALL NOT BE LIMITED TO:
   A. PROVIDE AND INSTALL ALL EQUIPMENT, APPLIANCES, CONTROL DEVICES, ACCESSORIES, MATERIAL AND LABOR.
   B. PROVIDE AND INSTALL ALL DUCTWORK, INSULATION, AIR DEVICES DUCT ACCESSORIES, MATERIAL AND LABOR
   C. PROVIDE AND INSTALL ALL PIPING, FITTINGS, VALVES, INSULATION, ACCESSORIES , MATERIAL AND LABOR
   D. PROVIDE AND INSTALL TOILET EXHAUST SYSTEM INDICATED.
   E. CLEAN, TEST AND PUT INTO SERVICE ALL SYSTEMS SPECIFIED.
   F. PROVIDE A BALANCE REPORT PREPARED BY AN INDEPENDENT AABC OR NEBB CERTIFIED AIR BALANCE CONTRACTOR.
   G. WARRANTY ALL WORK AND MATERIALS HEREIN SPECIFIED FOR A PERIOD OF NOT LESS THAN ONE YEAR.
9. MATERIALS

9.1. ALL MATERIALS SHALL BE NEW AND OF RECOGNIZED COMMERCIAL QUALITY. USED MATERIALS WILL NOT BE PERMITTED.

9.2. DUCTWORK

SHALL BE GALVANIZED SHEET METAL, FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF SMACNA – "HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE".

DUCTWORK 18" WIDTH AND LARGER SHALL BE CROSS-BROKEN OR RIBBED AND STIFFENED SO THAT IT WILL NOT "BREATHE", RATTLE, VIBRATE OR SAG.

9.3. FLEXIBLE DUCTWORK

FLEXIBLE DUCTS SHALL BE FLAT METAL SPIRAL WITH FLAME RESISTANCE PER NBFU AND NFPA STANDARDS. DUCTS SHALL HAVE INTEGRAL INSULATION 1" THICK, 3/4 LB. DENSITY GLASS FIBER ENCLOSED IN A VINYL VAPOR BARRIER.MINIMUM R VALUE = 5. SECURE INSULATED JACKET TO DUCT TAKEOFFS AND DIFFUSER COLLARS. MAXIMUM LENGTH OF FLEXIBLE DUCT IS 5'-0".

ALL FLEX DUCT SHALL BE FULLY STRETCHED OUT TO REDUCE AIR RESISTANCE.

CONNECTIONS TO FITTINGS OR AIR DEVICES SHALL BE MADE WITH TWO (2) STAINLESS STEEL BANDS. THE INNER LINER SHALL BE CLAMPED TIGHT WITH THE FIRST BAND, THEN THE INSULATION AND VAPOR-PROOF JACKET PULLED TO BE TIGHT AGAINST THE DUCT FITTING OR AIR DEVICE AND SECURED WITH THE SECOND BAND. INSTALLATION SHALL BE AS RECOMMENDED BY THE DUCT MANUFACTURER AND SMACNA

SUPPORT THE FLEXIBLE DUCT WITH ADEQUATE HANGERS TO RELIEVE STRAIN ON ANY FITTING. UNNECESSARY BENDS, SAGS, TWISTS., WILL NOT BE ALLOWED.

9.4. DUCT INSULATION

INSULATION SUPPLY AND RETURN AIR DUCTWORK WITH MINIMUM R=6 FOR NON-CONDITIONED SPACE AND MIN R=12 FOR OUTSIDE DUCTS IN ACCORDANCE WITH THE STATE ENERGY CONSERVATION CODE. PROVIDE VAPOR BARRIER.

LINED DUCT SHALL BE LINED WITH 1" THICK COATED FIBERGLASS BOARD EQUAL TO JOHNS MANVILLE "PERMACOTE" INSULATION. SHALL BE PER SMACNA STANDARDS AND MANUFACTURER'S INSTRUCTIONS. LINED DUCTWORK SHALL BE USED WHERE INDICATED ON DRAWING

ALL DUCT INSULATION SHALL BE UL LABELED FOR FIRE AND SMOKE RATINGS.

DUCT INSULATION SHALL BE EQUAL TO PRODUCTS MANUFACTURED BY CERTAINTEED AND SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

9.5. AIR DEVICES

CEILING DIFFUSERS SHALL HAVE A FRAME STYLE COMPATIBLE WITH THE TYPE OF CEILING USED. THE DIFFUSER FACE SIZE OR FACE PLATE SIZE SHALL BE OF THE SAME NORMAL SIZE AS THE CEILING MODULE. DIFFUSERS SHALL HAVE HIGH ANTI-SMUDGE CHARACTERISTICS. REFER TO AIR DEVICE SCHEDULE.

9.6. PIPING AND FITTINGS

CONDENSATE DRAIN PIPING SHALL BE TYPE L COPPER WITH SOLDERED JOINTS AND WROUGHT COPPER FITTINGS.

10. EQUIPMENT

HVAC EQUIPMENT SHALL BE AS SCHEDULED ON THE DRAWINGS AND/OR SPECIFIED HEREIN. EQUIVALENT EQUIPMENT AND/OR COMPONENTS THEREOF MAY BE SUBSTITUTED FOR SPECIFIED EQUIPMENT ONLY AS APPROVED BY THE OWNER AND/OR THE PROJECT ENGINEER.

11. EXECUTION

11.1. GENERAL

ACCESSIBILITY – ALL EQUIPMENT SHALL BE INSTALLED IN SUCH A MANNER THAT ALL COMPONENTS REQUIRING ACCESS ARE LOCATED AND INSTALLED THAT THEY MAY BE SERVICED, RESET, REPLACED, OR RECALIBRATED, ETC., BY SERVICE PEOPLE WITH NORMAL SERVICE TOOLS AND EQUIPMENT.

WORK BY OTHER TRADES – FOR THE WORK REQUIRED BY OTHER TRADES FOR CHANGES MADE BY THIS CONTRACTOR IN TYPE OR SIZE OF EQUIPMENT PURCHASED, ANY CUTTING, PATCHING, FURRING, PAINTING, ELECTRICAL OR PLUMBING WORK SHALL BE DONE BY THE AFFECTED TRADE AT THIS CONTRACTOR'S EXPENSE.

EARLY START-UP – THIS CONTRACTOR SHALL ENSURE THAT ALL MECHANICAL EQUIPMENT IS CONNECTED WITH ELECTRICAL POWER AS EARLY AS POSSIBLE SO THAT BALANCING AND TESTING CAN BEGIN AT THE EARLIEST DATE AVAILABLE.

CLEANING AND PAINTING – THOROUGHLY CLEAN ALL EQUIPMENT AND REMOVE ALL TRASH, CARTONS, ETC., FROM THE WORK AREA. MAKE ANY NECESSARY CORRECTIONS OR REPAIR/ REPLACE ANY DAMAGED MATERIALS OR EQUIPMENT. LEAVE THE ENTIRE SPACE IN A THOROUGHLY CLEAN AND ORDERLY MANNER. ANY FINISHED SURFACES THAT HAVE BEEN SCRATCHED OR DISCOLORED SHALL BE TOUCHED UP OR REPAINTED TO MATCH THE ORIGINAL COLOR. IF ANY PART HAS BEEN BENT, BROKEN OR OTHERWISE DAMAGED, IT SHALL BE REPLACED PRIOR TO PROJECT CLOSEOUT. ALL METAL ITEMS INSIDE THE BUILDING SUBJECT TO RUSTING, AND ALL FERROUS METAL EXPOSED TO THE WEATHER SHALL BE GIVEN ONE COAT OF RUST PREVENTIVE PRIMER AS SOON AS INSTALLED.

11.2. EQUIPMENT INSTALLATION

ALL EQUIPMENT AND RELATED PIPING, DUCTWORK, CONTROL WIRING AND ACCESSORIES SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING LINES AND, IF INSTALLED WITHIN WITHIN THE BUILDING ENVELOPE SHALL BE INSTALLED AS HIGH AS POSSIBLE TO ALLOW THE MAXIMUM AMOUNT OF HEADROOM. EQUIPMENT THAT REQUIRES ROUTINE MAINTENANCE SUCH AS FILTER REPLACEMENT SHALL BE INSTALLED AND ARRANGED TO BE ACCESSIBLE. PROVIDE ACCESS PANEL(S) AS REQUIRED AND/OR AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. ALL EQUIPMENT SHALL BE INSTALLED WITH THE REQUIRED CLEARANCES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER OR AS REQUIRED BY GOVERNING CODES, WHICHEVER IS GREATER.

11.3. DUCTWORK

LOW PRESSURE DUCTWORK AND FITTING SHALL BE MADE TIGHT FOR MINIMUM AIR LEAKAGE. DUCT TAPE SHALL NOT BE USED TO SEAL JOINTS, TO MAKE TRANSITIONS OR FOR ANY OTHER REASON ON THE OUTSIDE OF THE WRAPPED INSULATION

INSTALL DUCTWORK AS HIGH AS POSSIBLE.

PROVIDE TURNING VANES AT ALL CHANGES IN DIRECTION.

PROVIDE VANED TEES AT BRANCH CONNECTIONS SERVING MORE THAN ONE DIFFUSER

PROVIDE VOLUME CONTROL DAMPERS AND BALANCING DEVICES AS REQUIRED TO DISTRIBUTE THE AIR AND AS INDICATED ON THE DRAWINGS.

NOTE: DUCT DIMENSIONS INDICATED ON THE DRAWINGS ARE INSIDE CLEAR, OR "FREE AREA" DIMENSIONS, CONTRACTOR SHALL MAKE ALLOWANCE FOR INTERNAL DUCT LINER (WHERE SPECIFIED) WHEN ORDERING PRE-FABRICATED DUCTWORK OR WHEN FABRICATING DUCTS IN THE FIELD.

11.4. AIR DEVICES

INSTALL ALL GRILLES AND DIFFUSERS TO BE FLUSH WITH THE PENETRATED SURFACE AND LEVEL OR STRAIGHT WITH SURROUNDING FEATURES. ALL CEILING MOUNTED AIR DEVICES SHALL BE LOCATED IN THE CEILING TILE INDICATED ON THE DRAWINGS. AT THE PROPER HEIGHT TO HOLD IT SNUG AGAINST THE CEILING.

12. INSTALL ROOF MOUNTED EQUIPMENT SUPPORT RAILS OR ROOF CURB AS REQUIRED FOR THE JOB CONDITIONS AND AS RECOMMENDED BY THE MANUFACTURER FOR THE INSTALLATION OF ROOF MOUNTED EQUIPMENT.

ALL ROOF PENETRATIONS FOR POWER AND CONTROL WIRING CONDUITS AND GAS, CONDENSATE, OR REFRIGERANT PIPING SHALL BE MADE WITH WATERPROOF PIPE SLEEVES OR CURB(S).

13. THIS CONTRACTOR SHALL ENGAGE THE SERVICES OF AN AABC OR NEBB CERTIFIED AIR BALANCE CONTRACTOR TO ADJUST AND COMPLETELY BALANCE THE INSTALLED SYSTEM(S) TO THE DESIGN AIR QUANTITIES. CONTRACTOR SHALL PROVIDE THE OWNER AND THE LANDLORD A COPY OF THE CERTIFIED AIR BALANCE REPORT SHOWING DESIGN AND MEASURED AIR QUANTITIES, STATIC PRESSURES, FAN MOTOR RPM AND MOTOR CURRENT, DEVIATION BETWEEN DESIGN AND MEASURED QUANTITIES SHALL NOT BE GREATER THAN 10%.

14. ALL MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.

FOR THE SAME PERIOD, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE PREMISES BY DEFECTS IN HIS WORKMANSHIP OR WORK AND/OR EQUIPMENT INSTALLED BY OTHERS UNDER HIS CONTRACT.

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CARMINA WOOD DESIGN

Schematic

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

SCHEDULES AND NOTES

Date: 11/06/2026
Drawn By: KMD
Checked By: KRO

DRAWING NO.

M-100

Project No: 24-1121

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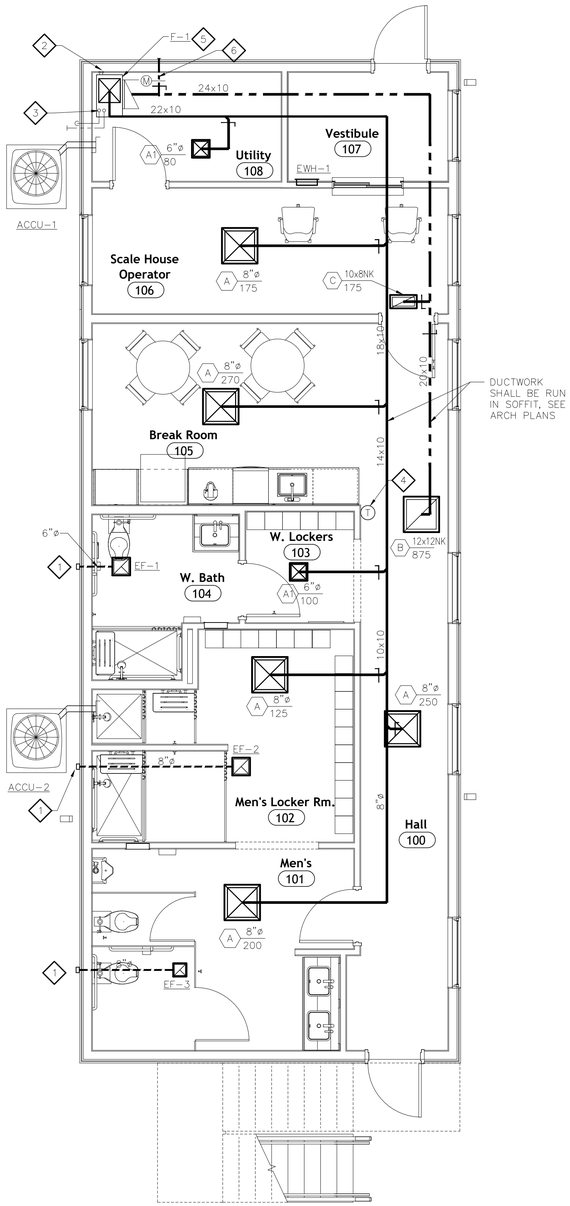
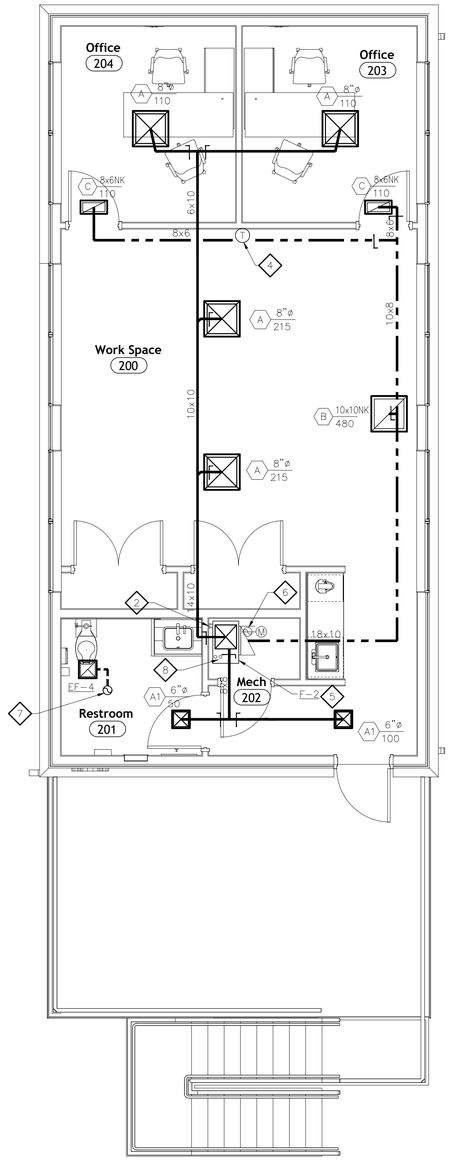


AIM RECYCLING SCALE HOUSE
FIRST FLOOR PLAN
1 / M-101 SCALE: 1/4" = 1'-0"



AIM RECYCLING SCALE HOUSE
SECOND FLOOR PLAN
2 / M-101 SCALE: 1/4" = 1'-0"

NOTES:

NOTES PERTAIN TO THIS DRAWING ONLY.

1. EXHAUST DUCT OUT WALL TO MANUFACTURER'S WALL CAP.
2. RUN REFRIGERANT PIPING OUT TO CONDENSING UNIT ON GRADE.
3. RUN 3" PVC INTAKE AND EXHAUST VENTS OUT EXTERIOR WALL TO WALL VENT TERMINATIONS.
4. PROVIDE THERMOSTAT WITH LOCKABLE COVER MOUNTED AT 48"AFF. VERIFY EXACT LOCATION WITH OWNER
5. RUN CONDENSATE DOWN TO NEAREST FLOOR DRAIN.
6. 8"ø OUTSIDE AIR DUCT, CONNECT TO RETURN AIR DUCT AND RUN TO EXTERIOR WALL WITH CAP OR ROOF WITH GOOSENECK. BALANCE TO CFM LISTED ON SCHEDULE AND PROVIDE MOTORIZED DAMPER TO OPEN WHEN FURNACE IS ENERGIZED.
7. 6"ø EXHAUST DUCT UP THRU ROOF TO MANUFACTURER'S ROOF CURB AND CAP.
8. RUN 3" PVC INTAKE AND EXHAUST VENTS UP THRU ROOF TO GOOSENECK TERMINATIONS.

CARMINA WOOD DESIGN

Schematic

AIM RECYCLING SCALE HOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

FIRST AND SECOND FLOOR PLANS

Date: 11/06/2026
Drawn By: KMD
Checked By: KRO

DRAWING NO.

M-101

Project No: 24-1121

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POWER SYMBOLS

- DUPLEX RECEPTACLE.
  X = BRANCH CIRCUIT NUMBER
  GFCI = PROTECTED BY GFI CIRCUIT BREAKER
  F = FURNISHED WITH EQUIPMENT COORDINATE INSTALLATION WITH MANUFACTURER SPECIFICATIONS
  IG = ISOLATED GROUND RECEPTACLE REFER TO DRAWING E-2 FOR SPECIFICATION.
  (TYP. FOR ALL RECEPTACLES)
- TOP HALF OF RECEPTACLE TO BE HOT.
  BOTTOM HALF OF RECEPTACLE TO BE CONTROLLED BY WALL SWITCH.
- WP — DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER (GFI)
  WP=WEATHER PROOF WHILE IN USE COVER PLATE
- X — SPECIAL PURPOSE RECEPTACLE
  X=NEMA CONFIGURATION
- QUAD RECEPTACLE (TWO DUPLEX RECEPTACLES IN A TWO GANG BOX)
- C — CEILING MOUNTED DUPLEX RECEPTACLE
- SWITCHED DUPLEX RECEPTACLE, BOTTOM SHALL BE SWITCHED BY S.T.S.P. SWITCH. TOP SHALL BE WIRED HOT.
- F — 20A, 120V, FLUSH MOUNTED DUPLEX RECEPTACLE. COLOR PER ARCHITECT'S DIRECTION.
  C=CEILING MOUNTED, F= FLOOR MOUNTED.
- LPX — SURFACE MOUNT 208/120 VOLT 3ø PANELBOARD FOR POWER.
- J — JUNCTION BOX
- CONDUIT UP TO
- CONDUIT DOWN TO
- HOME RUN TO PANELBOARD
- CONDUIT SLEEVE
- X — POWER OUTLET
  X= REFER TO MECHANICAL EQUIPMENT SCHEDULE DRAWING E-XXX.
- T — TRANSFORMER
- F — FUSIBLE DISCONNECT SWITCH
- NON-FUSIBLE DISCONNECT SWITCH
- SS — INDICATES GANGED DEVICES
- FLUSH MOUNT TELEPHONE OUTLET WITH 4 PAIR TWISTED BARE COPPER CABLE
- TV — FLUSH MONT TELEVISION OUTLET F TYPE CONNECTOR FED WITH RG-6 COAXIAL CABLE
- 120 VOLT COMPLETE CONNECTION
- 208 VOLT COMPLETE CONNECTION
- EC — EMERGENCY CALL
- EL — EMERGENCY DOME LIGHT
- HB — HANDICAP PUSH BUTTON
- EDS — ELECTRIC DOOR STRIKE
- CR — CARD READER
- PP — POWER POLE
- EDS — ELECTRIC DOOR STRIKE
- GM — GAS MONITOR
- FSC — FAN SPEED CONTROL
- M — MOTORIZED DAMPER

LIGHTING SYMBOLS

- LETTER — LIGHTING FIXTURES, UPPERCASE LETTER INDICATES FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)
  lc — LOWER CASE LETTER CORRESPONDS SWITCH, NUMBER INDICATES CIRCUIT.
- TRACK LIGHTING
- A / 8a — 2'x4' RECESSED FLUORESCENT LUMINAIRE
  A=INDICATES FIXTURE TYPE REFER TO LUMINAIRE SCHEDULE ARCHITECTURAL DWGS
  1=INDICATES CIRCUIT NUMBER
  a=INDICATES SWITCHING LEGS
  TYPICAL OF ALL LIGHTING FIXTURES
- 3 / S11a,b — 3-WAY SWITCH
  11 — INDICATES TWO SWITCHES GANGED TOGETHER
  a,b — INDICATES SWITCHING LEGS
  K — INDICATES KEYED SWITCH
  F — FAN SPEED CONTROL SWITCH.
- 4 / S — SAME AS ABOVE EXCEPT 4-WAY SWITCH
- EMERGENCY LIGHT
- EXIT SIGN/EXIT SIGN WITH EMERGENCY LIGHTS
- OS — CEILING MOUNTED OCCUPANCY WITH POWER PACK, WATTSTOPPER DT-200.
- OS D — WALL MOUNTED OCCUPANCY SENSOR, SINGLE BUTTON, WATTSTOPPER PW-SERIES. 'D' INDICATED SWITCH PROVIDED WITH DIMMER
- C — LIGHTING CONTACTOR
- TC — TIME CLOCK
- D — DIMMER SWITCH

EQUIPMENT MOUNTING HEIGHTS

UNLESS OTHERWISE NOTED, MOUNT DEVICES AND EQUIPMENT AT HEIGHTS MEASURED FROM FINISHED FLOOR TO DEVICE CENTERLINE AS FOLLOWS:

TOGGLE SWITCHES – 46"
MANUAL MOTOR STARTERS (ROOM EXHAUST FAN) – 46"
RECEPTACLE OUTLETS – 18"
RECEPTACLE OUTLETS ABOVE COUNTERS – 8" ABOVE COUNTER
CLOCK OUTLETS – 104"
TELEPHONE OUTLETS – 18"
WALL MOUNTED TELEPHONE OUTLET – 46"
FIRE ALARM MANUAL PULL STATION – 46"
FIRE ALARM HORN/STROBE – 90" TO TOP OF DEVICE AND 6" >BELOW FINISHED CEILING
FIRE ALARM STROBE – 80" > ENTIRE LENS < 96"
BRANCH CIRCUIT PANELBOARDS – 72" TO TOP OF ENCLOSURE
DISTRIBUTION PANELBOARDS – 72" TO TOP OF ENCLOSURE
DISCONNECT SWITCHES – 72" TO TOP OF ENCLOSURE
MOTOR STARTERS – 72" TO TOP OF ENCLOSURE
ENCLOSED CIRCUIT BREAKERS – 72" TO TOP OF ENCLOSURE

WHERE STRUCTURAL OR OTHER INTERFERENCES PREVENT COMPLIANCE WITH MOUNTING HEIGHTS LISTED ABOVE, CONSULT OWNER'S REPRESENTATIVE, ARCHITECT AND/OR ENGINEER IN WRITING FOR APPROVAL TO CHANGE LOCATION BEFORE INSTALLATION.

FIRE ALARM LEGEND:

- S — SMOKE DETECTOR. PROVIDED WITH SOUNDER BASE. 110V
- CO — CARBON MONXIDE DETECTOR. PROVIDE WITH SOUNDER BASE. 110V

ABBREVIATIONS

A.F.F	ABOVE FINISHED FLOOR
A.F.G	ABOVE FINISHED GROUND
AHU	AIR HANDLING UNIT
ANN	ANNUNCIATION UNIT
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
DC	DIRECT CURRENT
EC	ELECTRICAL CONTRACTOR
E/F, EF	EXHAUST FAN
EH	ELECTRIC HEATER
EM	EMERGENCY LIGHTING
ER	EXISTING TO BE RELOCATED
EMT	ELECTRICAL METALLIC TUBING
EXH	EXHAUST
EX	EXISTING
EWC	ELECTRICAL WATER COOLER
FACP	FIRE ALARM CONTROL PANEL
GC	GENERAL CONTRACTOR
HC	HVAC CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
GFIC	GROUND FAULT INTERRUPTING CIRCUIT
LTG	LIGHTING
LC	LIGHTING CONTACTOR
NEC	NATIONAL ELECTRIC CODE
NL	NIGHT LIGHT
NF	NON-FUSED
NTS	NOT TO SCALE
OC	OVER COUNTER
PVC-XXX	POLYVINYL CHLORIDE 80 = SCHEDULE 80, 40 = SCHEDULE 40
SM	SURFACE MOUNT
SR	SURFACE RACEWAY
UC	UNDER COUNTER
WP	WEATHER PROOF

GENERAL PROJECT NOTES:

1. ALL WORK SHALL CONFORM TO NEC 2017, 2007 NATION FIRE ALARM CODE (NFPA 72), NEW YORK STATE DEPARTMENT OF LABOR RULES AND REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), LOCAL CODES AND ORDINANCES, AND LIFE SAFETY CODE (NFPA 101).
2. "WIRING" REFERS TO WIRE AND RACEWAY, (2) #12, (1) #12 GROUND IN 3/4" CONDUIT. MC, BX OR NM MAY BE USED INDOORS WHERE NOT EXPOSED, PROVIDED E.C. OBTAINS APPROVAL BY LOCAL AUTHORITY HAVING JURISDICTION IN AND LANDLORD IN WRITING PRIOR TO INSTALLATION.
3. REFER TO ARCHITECTURAL DRAWINGS TO COORDINATE DEVICE LOCATIONS WITH GENERAL CONTRACTORS WORK.
4. COORDINATE LOCATION OF TEMPERATURE CONTROL PANELS WITH HC. PROVIDE 120 VOLT WIRING TO PANELS AND EQUIPMENT. LOW VOLTAGE WIRING BY OTHERS.
5. E.C. SHALL WIRE EMERGENCY/EXIT LIGHTING INTO CIRCUIT SERVING AREA WHERE DEVICE IS LOCATED, CIRCUIT AHEAD OF LOCAL SWITCHING, OCCUPANCY SENSING AND TIME CLOCK CONTROL.
6. WHERE DEVICE IS NOTED WITH 'OC' OR 'UC', PROVIDE DEVICE SO THAT BOTTOM OF OUTLET BOX IS 2" ABOVE COUNTER TOP, OF BACKSPLASH. COORDINATE FINAL LOCATION WITH G.C.
7. ALL DEVICES SHALL BE COMMERCIAL SPECIFICATION GRADE FLUSH MOUNTED WITH CONCEALED WIRING, UNLESS SHOWN OTHERWISE. COLOR AS SELECTED BY THE OWNER PRIOR TO ORDERING MATERIAL.
8. ALL MATERIALS SHALL BE NEW AND BEAR THE UL LABEL WHERE APPLICABLE.
9. PROVIDE PVC SCHEDULE 80 FOR ALL UNDERGROUND CONDUIT AND WHEN IN CONCRETE. CONDUIT EXPOSED TO PHYSICAL DAMAGE SHALL BE RIGID GALVANIZED STEEL CONDUIT.
10. ALL WORK SHALL BE IN A NEAT AND WORKMANLIKE MANNER.
11. ALL EQUIPMENT (i.e. CONDUIT, BACKBOXES, PANELBOARDS, LIGHTING FIXTURES, ETC.) SHALL BE SECURELY SUPPORTED FROM THE PRIMARY BUILDING STRUCTURE.
12. E.C. IS RESPONSIBLE TO HAVE ALL WORK INSPECTED ON A REGULAR BASIS BY LOCAL AUTHORITY, PROVIDE CERTIFICATE OF APPROVED INSTALLATION UPON COMPLETION AND PAY ALL ASSOCIATED FEES.
13. CONTACT ARCHITECT/ENGINEER OF ANY CONFLICT WITH LOCATION OF EQUIPMENT PRIOR TO INSTALLATION.
14. FIRESTOP ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS WITH U.L. LISTED MATERIAL.
15. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR (1) FROM THE DATE OF ACCEPTANCE.
16. CORRECTION OF ANY DEFECTS TO BE COMPLETED WITHOUT ADDITIONAL CHARGE AND TO INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
17. IT IS NOT THE INTENT OF THE THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM, AND PROVIDE ALL NECESSARY DEVICES AND COMPONENTS FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
18. "AC" AND "MC" CABLE ARE PERMITTED PROVIDED THE FOLLOWING CRITERIA IS MET:
    a) THE ELECTRICAL CONTRACTOR SHALL PROVIDE WRITTEN PERMISSION THE "AC" OR "MC" CABLE IS APPROVED BY THE OWNER.
    b) PROVIDED PART "a" ABOVE IS MET, THE ELECTRICAL CONTRACTOR SHALL PROVIDE WRITTEN APPROVAL FROM THE LOCAL AUTHORITY HAVING JURISDICTION.
19. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL PRIOR TO SUBMITTING A BID. REPORT ANY DISCREPANCIES TO THE ARCHITECT IN WRITING 1 WEEK PRIOR TO BID SUBMISSION.
20. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE SIZE AND GENERAL ARRANGEMENT OF ELECTRICAL EQUIPMENT, ETC. EXACT LOCATIONS AND ROUTING SHALL BE DETERMINED IN THE FIELD BEFORE AND AS THE WORK PROGRESSES. CAREFULLY COORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF EQUIPMENT.
21. DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATION, ETC. WHICH MAY BE REQUIRED BY ACTUAL FIELD CONDITIONS. THE CONTRACTOR IS TO FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION AND MAKE SUCH CHANGES IN ROUTING OF CONDUIT AND PLACEMENT OF EQUIPMENT, ETC. AS NECESSARY TO ACCOMMODATE FIELD CONDITIONS. COORDINATE ALL CHANGES WITH OTHER TRADES AND ARCHITECT/ENGINEER.

GENERAL WIRING NOTES:

THE MAJORITY OF WIRING, FOR DEVICES, LIGHTING, ALL OTHER EQUIPMENT REQUIRING ELECTRICAL ENERGY IS INTENTIONALLY NOT SHOWN FOR CLARITY. EACH DEVICE OR LIGHT HAS A CIRCUIT NUMBER ASSOCIATED WITH IT. EQUIPMENT HAS A TAG ASSOCIATED WITH IT, WIRING INFORMATION CAN BE REFERENCED BY THE MECHANICAL EQUIPMENT SCHEDULE. PROVIDE RACEWAY AND WIRE TO EACH ITEM NOTED ABOVE FROM DESIGNATED PANELBOARD TO FORM A COMPLETE AND OPERATIONAL INSTALLATION. THE FOLLOWING IS HOW BRANCH CIRCUITS SHALE BE WIRED:

1. PROVIDE A EQUIPMENT GROUND CONDUCTOR IN EACH BRANCH CIRCUIT HOMERUN.
2. WHERE DEDICATED BRANCH CIRCUIT IS CALLED FOR PROVIDE (1) PHASE CONDUCTOR, (1) NEUTRAL CONDUCTOR AND (1) EQUIPMENT GROUND CONDUCTOR ALL IN (1) RACEWAY.
3. MULTI-WIRE NON-DEDICATED BRANCH CIRCUITS MAY BE INSTALLED IN (1) RACEWAY WHERE (3) PHASE CONDUCTORS (PHASE A,B,&C) MAY SHARE (1) NEUTRAL CONDUCTOR AND (1) EQUIPMENT GROUND CONDUCTOR.
4. MINIMUM SHARED NEUTRAL CONDUCTOR SIZE SHALL BE #10 AWG. WHERE PHASE ARE INCREASED IN SIZE FOR VOLTAGE DROP THE NEUTRAL CONDUCTOR SHALL BE INCREASED PROPORTIONALLY.
5. FOR (3) OR MORE CURRENT CARRYING CONDUCTORS IN A RACEWAY (INCLUDING NEUTRAL) DERATE CONDUCTORS PER NEC TABLE 310-15(b)(2)(a).
6. 120 VOLT CIRCUITS EXCEEDING 150'-0" MINIMUM CONDUCTOR SIZE SHALL BE #10 AWG. INCLUDING EQUIPMENT GROUND CONDUCTORS.
7. 208 VOLT CIRCUITS EXCEEDING 280'-0" MINIMUM CONDUCTOR SIZE SHALL BE #10 AWG. INCLUDING EQUIPMENT GROUND.
8. ANY WIRE LOCATED IN CEILING ABOVE PLENUM RATED CEILINGS TO BE PLENUM RATED.

GENERAL NOTES (ALL DRAWINGS):

A. CIRCUIT NUMBERS INDICATED ON THE DRAWINGS ARE SHOWN FOR THE PURPOSE OF CLARIFYING THE GROUPING OF OUTLETS. THE ACTUAL NUMBER ASSIGNED TO THE CIRCUIT IN THE PANELBOARD SHALL SUIT THE BUSSING AND BRANCH CIRCUITING TO THE PANEL. PROVIDE COMPLETE AND ACCURATE TYPEWRITTEN PANEL DIRECTORIES FOR ALL NEW AND EXISTING BRANCH CIRCUIT PANELBOARDS.

B. LOCATIONS INDICATED FOR LIGHT FIXTURES ARE APPROXIMATE. LOCATE FIXTURES AS REQUIRED TO AVOID INTERFERENCE WITH EXISTING AND NEW BUILDING STEEL, PIPING, DUCTWORK, CONDUIT, DIFFUSERS, SMOKE DETECTORS, etc. FIELD COORDINATE THE LOCATIONS AS NEAR AS POSSIBLE TO THOSE INDICATED ON THE PLANS. ALSO REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.

C. ALL CIRCUITING SHALL BE CONCEALED (EXCEPT IN ELECTRICAL AND MECHANICAL SPACES). ALL CONDUITS SHALL BE INSTALLED AS HIGH AS POSSIBLE ABOVE FINISHED CEILINGS AND CONCEALED IN WALLS UNLESS OTHERWISE INDICATED.

D. EXACT LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS AND EXIT SIGNS SHALL BE COORDINATED WITH OTHER CEILING MOUNTED EQUIPMENT TO AVOID CONFLICT. LOCATE DEVICES AS NEAR AS POSSIBLE TO THE LOCATION INDICATED. FIRE ALARM SMOKE AND HEAT DETECTORS SHALL BE REQUIRED TO BE INSTALLED A MINIMUM OF THREE (3) FEET AWAY FROM SUPPLY OR RETURN AIR GRILLES OR PER SYSTEM MANUFACTURERS INSTALLATION REQUIREMENTS AND NFPA 72.

E THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW OTHER TRADES PROJECT CONTRACT DOCUMENTS TO DETERMINE MOUNTING HEIGHTS FOR ELECTRICAL DEVICES OR EQUIPMENT. THE LOCATIONS FOR MECHANICAL AND PLUMBING EQUIPMENT THAT REQUIRES ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS. COORDINATE EXACT MOUNTING LOCATIONS AND HEIGHTS IN THE FIELD WITH OTHER TRADES PRIOR TO INSTALLATION.

F. E.C. SHALL WIRE EMERGENCY/EXIT LIGHTING INTO CIRCUIT SERVING AREA WHERE DEVICE IS LOCATED, CIRCUIT AHEAD OF LOCAL SWITCHING, OCCUPANCY SENSING AND TIME CLOCK CONTROL.

CONDUIT AND CONDUCTOR SCHEDULE

C.B.	POLES	WIRE SIZE (TYPE THW)	CONDUIT	PHASE
20A	1	2-#12, 1-#12 E.G.	3/4"	1ø 2W
	2	2-#12, 1-#12 E.G.		1ø 2W
	3	3-#12, 1-#12 E.G.		3ø 3W
	3	3-#12, 1-#12 N., 1-#12 E.G.		3ø 4W
25A	1	2-#10, 1-#10 E.G.	3/4"	1ø 2W
	2	2-#10, 1-#10 E.G.		1ø 2W
	3	3-#10, 1-#10 E.G.		3ø 3W
	3	3-#10, 1-#10 N., 1-#10 E.G.		3ø 4W
30A	1	2-#10, 1-#10 E.G.	3/4"	1ø 2W
	2	2-#10, 1-#10 E.G.		1ø 2W
	3	3-#10, 1-#10 E.G.		3ø 3W
	3	3-#10, 1-#10 N., 1-#10 E.G.		3ø 4W
35A	3	3-#8, 1-#10 E.G.	1"	3ø 3W
	3	3-#8, 1-#8 N., 1-#10 E.G.		3ø 4W
40A	2	2-#8, 1-#10 E.G.	1"	1ø 2W
	3	3-#8, 1-#10 E.G.		3ø 3W
	3	3-#8, 1-#8 N., 1-#10 E.G.		3ø 4W
45A	2	2-#8, 1-#10 E.G.	1"	1ø 2W
	3	3-#8, 1-#10 E.G.		3ø 3W
	3	3-#8, 1-#8 N., 1-#10 E.G.		3ø 4W
50A	2	2-#8, 1-#10 E.G.	1"	1ø 2W
	3	3-#8, 1-#10 E.G.		3ø 3W
	3	3-#8, 1-#8 N., 1-#10 E.G.		3ø 4W
60A	2	2-#6, 1-#10 E.G.	1"	1ø 2W
	3	3-#6, 1-#10 E.G.		3ø 3W
	3	3-#6, 1-#6 N., 1-#10 E.G.	1 1/4"	3ø 4W
70A	2	2-#4, 1-#8 E.G.	1"	1ø 2W
	3	3-#4, 1-#8 E.G.	1 1/4"	3ø 3W
	3	3-#4, 1-#4 N., 1-#8 E.G.		3ø 4W
80A	2	2-#4, 1-#8 E.G.	1"	1ø 2W
	3	3-#4, 1-#8 E.G.	1 1/4"	3ø 3W
	3	3-#4, 1-#4 N., 1-#8 E.G.		3ø 4W
90A	2	2-#3, 1-#8 E.G.	1 1/4"	1ø 2W
	3	3-#3, 1-#8 E.G.		3ø 3W
	3	3-#3, 1-#3 N., 1-#8 E.G.		3ø 4W
100A	2	2-#3, 1-#8 E.G.	1 1/4"	1ø 2W
	3	3-#3, 1-#8 E.G.		3ø 3W
	3	3-#3, 1-#3 N., 1-#8 E.G.		3ø 4W

NOTES:
1. ALL CONDUCTORS SHALL BE COPPER
2. ALL CONDUIT SHALL HAVE EQUIPMENT GROUNDING CONDUCTOR INSTALLED.
3. CONDUIT BELOW GRADE OUTSIDE OF BUILDING SHALL BE 1" MINIMUM.
4. SIZING OF CONDUCTORS SHALL BE ALTERED FOR DERATING PER N.E.C. OR VOLTAGE DROP CONSIDERATIONS.
5. SEE RISER DIAGRAM FOR SIZING OF CIRCUITS GREATER THAN 100A.
6. USE #10 AWG, COPPER CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 75 FEET. USE #10 AWG, COPPER CONDUCTORS FOR 20 AMPERE, 277 VOLT BRANCH CIRCUITS LONGER THAN 200 FEET. WHERE WIRE SIZE IS INCREASED IN SIZE FOR VOLTAGE DROP, EQUIPMENT GROUND SHALL BE INCREASED PROPORTIONATELY PER NEC 250.122 (B).
7. WHERE MC CABLE IS ALLOWED BY THE AUTHORITY HAVING JURISDICTION, THE CONDUCTORS FOR MC CABLE SHALL BE THHN. JACKET SHALL BE THE MANUFACTURER'S STANDARD SIZE FOR CONDUCTORS UTILIZED.

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Schematic

NEW RECYCLING SCALE HOUSE

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REVISIONS:

No.	Description	Date

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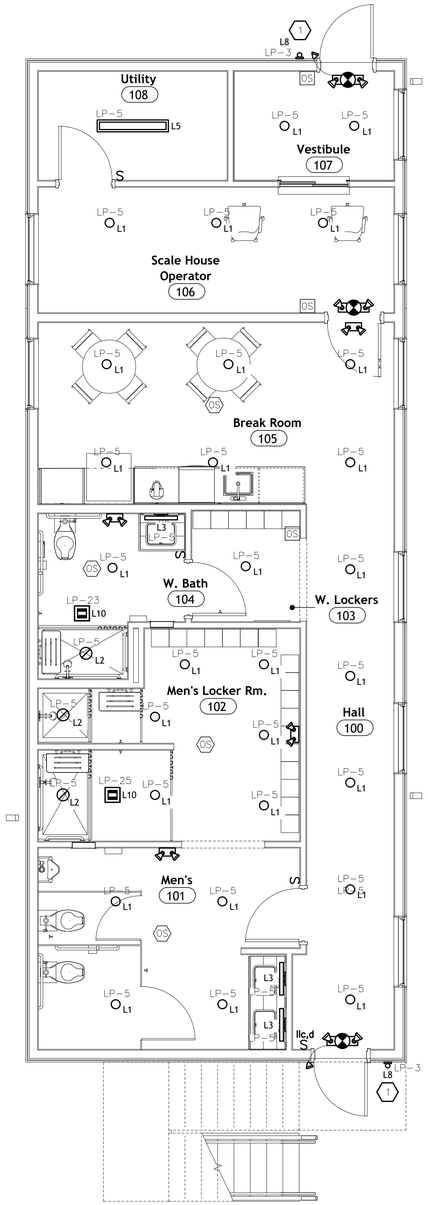
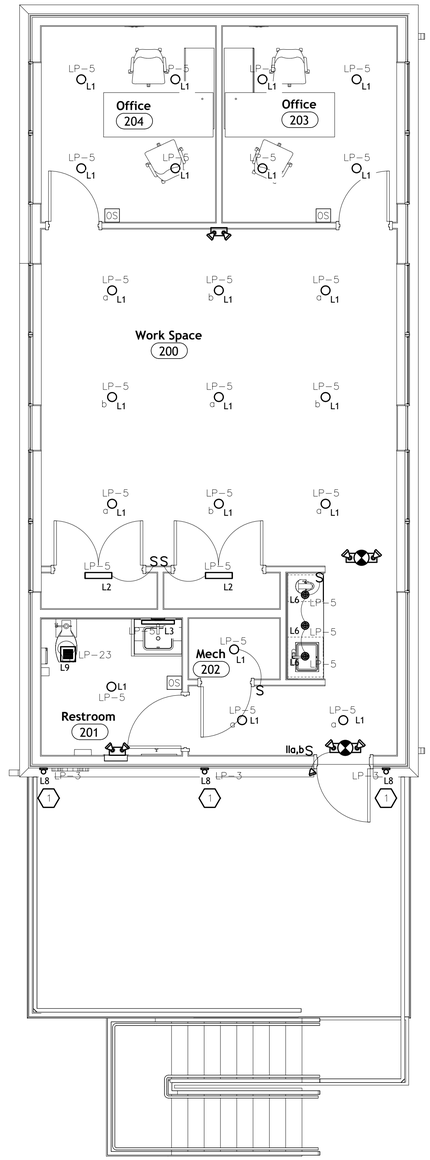


AIM RECYCLING SCALE HOUSE
FIRST FLOOR PLAN - LIGHTING

1 E-101 SCALE: 1/4" = 1'-0"



AIM RECYCLING SCALE HOUSE
SECOND FLOOR PLAN - LIGHTING

2 E-101 SCALE: 1/4" = 1'-0"

GENERAL NOTES - LIGHTING:

1. EMERGENCY/EXIT LIGHTING SHALL BE FED FROM LOCAL LIGHTING CIRCUIT SERVING THAT AREA.

KEYED NOTES - LIGHTING:

1. EXTERIOR LIGHTING SHALL BE CONTROLLED BY TIMECLOCK, PHOTOCELL.

CARMINA WOOD DESIGN

Schematic

AIM RECYCLING SCALE HOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

FIRST AND SECOND FLOOR PLANS - LIGHTING

Date: 11/06/2026
Drawn By: KMD
Checked By: KRO

DRAWING NO.

E-101

Project No: 24-1121

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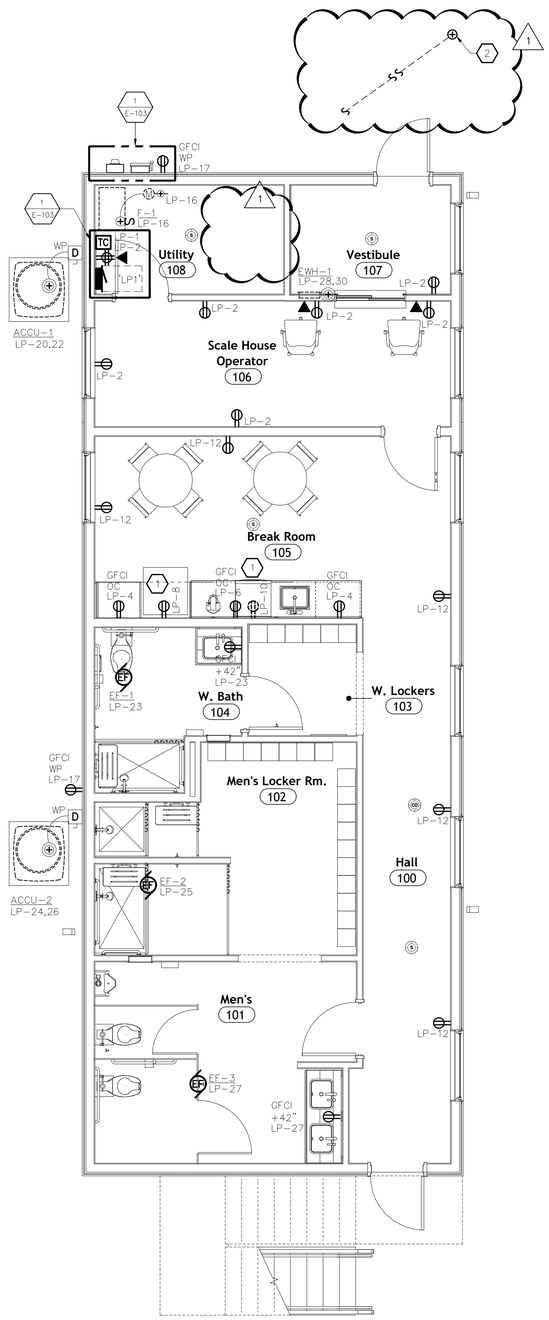
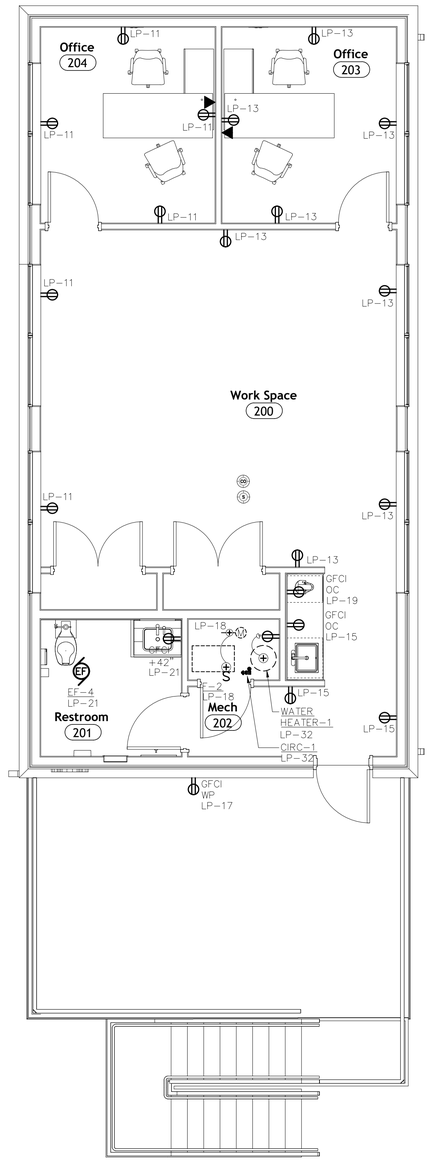


1 E-102 AIM RECYCLING SCALE HOUSE
FIRST FLOOR PLAN - POWER
SCALE: 1/4" = 1'-0"



2 E-102 AIM RECYCLING SCALE HOUSE
SECOND FLOOR PLAN - POWER
SCALE: 1/4" = 1'-0"

KEYED NOTES - POWER:

1 1. REFRIGERATOR/DISHWASHER SHALL BE PROTECTED BY A GFCI TYPE CIRCUIT BREAKER.
2. PROVIDE POWER FOR FRONT GATE COORDINATE POWER REQUIREMENTS WITH EQUIPMENT TO BE INSTALLED. GATE TO BE FED FROM LP1-29. COORDINATE EXACT ROUTING AND LOCATION FOR GATE ON SITE PRIOR TO ROUGH-IN.

CARMINA WOOD DESIGN

Schematic

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

FIRST AND SECOND FLOOR PLANS - POWER

Date: 11/06/2026
Drawn By: KMD
Checked By: KRO

DRAWING NO.

E-102

Project No: 24-1121

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LIGHTING FIXTURE SCHEDULE

FIXTURE DES.	FIXTURE TYPE	DESCRIPTION	MANUFACTURER MODEL No.	MOUNTING	LAMPS	BALLAST	VOLTAGE
L1	LED RECESSED DOWNLIGHT	LED DOWNLIGHT. TRIM COLOR SELECTED BY ARCHITECT.	GOTHEM: EVO	RECESSED	LED 28.0W	–	120V
L2	LED RECESSED DOWNLIGHT – WET RATED	LED DOWNLIGHT SUITABLE FOR WET LOCATIONS. TRIM COLOR SELECTED BY ARCHITECT.	GOTHEM: EVO	RECESSED	LED 28.0W	–	120V
L3	LED VANITY SCONCE	2'–0" VANITY SCONCE. 1" DROP LENS	MARK ARCHITECTURAL LIGHTING: MODEL #: S4WD MSL2 80CRI 35K	SURFACE	LED 16.0W	–	120V
L4	LED UTILITY CL. SCONCE	2'–0" LED STRIP FIXTURE.	LITHONIA LIGHTING: CXL	SURFACE	LED 17.0W 3500K	–	120V
L5	LED UTILITY LINEAR FIXTURE	4'–0" LED LINEAR FIXTURE. COLOR SELECTED BY ARCHITECT.	DAY–BRITE: OWL 4 835	SURFACE	37 WATT LED, 3500K	–	120V
L6	LED MINI PENDANT	FIXTURE SHALL BE SPECIFIED BY OWNER, PURCHASED AND INSTALLED BY ELECTRICAL CONTRACTOR.	MANUFACTURE: VERIFY MODEL: VERIFY	SUSPENDED	VERIFY	–	120V
L7	LED RECESSED PERIMETER LINEAR	FIXTURE SHALL BE SPECIFIED BY OWNER, PURCHASED AND INSTALLED BY ELECTRICAL CONTRACTOR.	MANUFACTURE: VERIFY MODEL: VERIFY	RECESSED	VERIFY	–	120V
L8	LED EXTERIOR SCONCE	FIXTURE SHALL BE SPECIFIED BY OWNER, PURCHASED AND INSTALLED BY ELECTRICAL CONTRACTOR.	MANUFACTURE: VERIFY MODEL: VERIFY	SURFACE	VERIFY	–	120V
L9	EXHAUST FAN	REFER TO MECHANICAL DRAWINGS FOR FURTHER INFORMATION.	–	RECESSED	–	–	120V
L10	EXHAUST FAN W/LIGHT	REFER TO MECHANICAL DRAWINGS FOR FURTHER INFORMATION.	–	RECESSED	–	–	120V
	EMERGENCY LIGHT FIXTURE	LED EMERGENCY LIGHT	CES–NAPA–NAPA–LEDR–1–EM	SURFACE	12W LED	–	120V
	EMERGENCY EXIT COMBINATION WITH REMOTE HEAD	LED EMERGENCY EXIT LIGHT COMBINATION WITH LED REMOTE HEAD SUITABLE FOR WET LOCATIONS.	CES–NAPA–CXTEU–1RW	SURFACE	3.6W LED	–	120V

GENERAL LIGHTING FIXTURE SCHEDULE NOTES:

– E.C. SHALL PROVIDE AND INSTALL ALL NECESSARY FIXTURE LAMPS.
– E.C. SHALL VERIFY ALL FINAL FIXTURE TYPES, STYLES, COLORS & FINISHES ETC. WITH ARCHITECT/OWNER PRIOR TO PURCHASING FIXTURES.
– REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES, E.C. SHALL PROVIDE NECESSARY MOUNTING KITS ASSOCIATED WITH FIXTURES FOR PROPER INSTALLATION IN SPECIFIED CEILING.

EQUIPMENT WIRING SCHEDULE

EQUIPMENT / MOTOR DATA						SOURCE PROTECTION DEVICE				BRANCH CIRCUIT CONDUIT & WIRE	
EQUIPMENT DESIGNATION (EF–1 (M))	LOCATION	HP	FLA	PHASE	VOLTS	BREAKER	POLE	PANELBOARD SOURCE	CIRCUIT NO.	QUANTITIES AND SIZE	REFERENCE NOTES
F–1	FURNACE – 1	MECH. ROOM	–	10.3	1	115	15A	1	LP	16	(3)#12AWG, (1)#12AWG GND, 1/2"C	2
F–2	FURNACE – 2	MECH. ROOM	–	8.8	1	115	15A	1	LP	18	(3)#12AWG, (1)#12AWG GND, 1/2"C	2
ACCU–1	FURNACE – 1	EXTERIOR GRADE	–	10.3	1	208	30A	2	LP	20,22	(3)#10AWG, (1)#10AWG GND, 3/4"C	2,4
ACCU–2	FURNACE – 2	EXTERIOR GRADE	–	8.8	1	208	20A	2	LP	24,26	(3)#12AWG, (1)#12AWG GND, 1/2"C	2,4
EF–1	EXHAUST FAN – 1	ROOM 104	–	20.0W	1	115	20A	1	LP	23	(3)#12AWG, (1)#12AWG GND, 1/2"C	1,2
EF–2	EXHAUST FAN – 2	ROOM 102	–	128.0W	1	115	20A	1	LP	25	(3)#12AWG, (1)#12AWG GND, 1/2"C	1,2
EF–3	EXHAUST FAN – 3	ROOM 101	–	54.0W	1	115	20A	1	LP	27	(3)#12AWG, (1)#12AWG GND, 1/2"C	1,2
EF–4	EXHAUST FAN – 4	ROOM 201	–	20.0W	1	115	20A	1	LP	29	(3)#12AWG, (1)#12AWG GND, 1/2"C	1,2
EWH–1	WALL HEATER – 1	VESTIBULE	–	20.0W	1	208	20A	2	LP	28,30	(3)#12AWG, (1)#12AWG GND, 1/2"C	2,3
CIRC–1	RECIRCULATING PUMP – 1		1/16	–	1	120	20A	1	LP	32	(3)#12AWG, (1)#12AWG GND, 1/2"C	5

WIRING SCHEDULE GENERAL NOTES:

A. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL CHARACTERISTICS (VOLTAGE, PHASE, HORSEPOWER, AMPERES, ETC.) OF MECHANICAL EQUIPMENT PRIOR TO CONNECTION AGAINST APPROVED SHOP DRAWINGS.

WIRING SCHEDULE REFERENCE NOTES

1. FAN CONTROLLED BY OCCUPANCY SWITCH.
2. EC SHALL PROVIDE AND INSTALL HACR TYPE CIRCUIT BREAKER.
3. EC TO FURNISH AND INSTALL THERMAL SWITCH.
4. EC SHALL PROVIDE AND INSTALL HACR PULL–OUT TYPE CIRCUIT BREAKER. MOUNT DISCONNECT SWITCH ON BUILDING. PROVIDE A LOCK AND PROVIDE KEY TO OWNER.
5. RECIRCULATION PUMP SUPPLIED WITH TIMER DISCONNECT SWITCH.

PANEL "LP"

MOUNTING: SURFACE — 120 / 240 VOLTS — 3 Ø — 4 WIRE — A.I.C. RATING: 10,000 — MAIN: MCB — BUS: 125A

DESCRIPTION	WIRE & CONDUIT SIZE	EQ. NUM.	WATTS ØA	WATTS ØB	WATTS ØC	LIGHTS	KITCHEN	REC/SPR	MISC	BRKR	CIRCUIT		CIRCUIT	BRKR	MISC	REC/SPR	KITCHEN	LIGHTS	WATTS ØA	WATTS ØB	WATTS ØC	WIRE & CONDUIT SIZE	EQ. NUM.	DESCRIPTION
TIMECLOCK			200						X	20/1	1		2	20/1		X			1080					RECEPTCLES
EXTERIOR LIGHTING				200		X				20/1	3		4	20/1		X				360				RECEPTACLES
LIGHTING**					800	X				20/1	5		6	20/1		X					1200			COFFEE MAKER
LIGHTING**			1600			X				20/1	7		8	20/1		X			800					REFRIGERATOR
SPACE											9		10	20/1		X				800				DISHWASHER
RECEPACLES					1080			X		20/1	11		12	20/1		X					900			RECEPACLES
RECEPACLES			1440					X		20/1	13		14											SPACE
RECEPACLES				360						20/1	15		16	15/1	X					1185				F-1
EXTERIOR RECEPTACLES					540			X		20/1	17		18	15/1	X						1015			F-2
COFFEE MAKER			540					X		20/1	19		20	30/	X				1872					ACCU-1
TOILET ROOM				200					X	20/1	21		22	/2	X					1872				
TOILET ROOM					200				X	20/1	23		24	20/	X						1456			ACCU-2
TOILET ROOM			200						X	20/1	25		26	/2	X				1,456					
TOILET ROOM				200					X	20/1	27		28	20/	X					750				EWH-1
FRONT GATE					1500				X	20/1	29		30	/2	X						750			
SPACE											31		32	20/1	X				500					WATER HEATER/CIRC-1
SPACE											33		34											SPACE
SPACE											35		36											SPACE
SPACE											37		38											SPACE
SPACE											39		40											SPACE
SPACE											41		42											SPACE

TOTAL WATTS Ø A= 9,688
TOTAL WATTS Ø B= 5,927
TOTAL WATTS Ø C= 9,441
TOTAL LOAD (WATTS)= 25,056
TOTAL AMPS = 69.60

PANEL LOAD ANALYSIS

ITEM	LOAD	DIVERSITY	DEMAND
LIGHTING	2.60 KW	125 %	3.25 KW
KITCHEN	0.00 KW	65 %	0.00 KW
RECEPT/SPARES	8.74 KW	100 %	8.74 KW
MISCELLANEOUS	13.36 KW	100 %	13.36 KW
TOTAL	24.70 KW		25.35 KW

NOTE:
CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT FROM LOCAL UTILITY PRIOR TO COMMENCING WORK AND PROVIDE A LETTER FROM THE UTILITY TO THE LOCAL ELECTRIC INSPECTOR STATING THE AVAILABLE FAULT CURRENT. ALL EQUIPMENT SHALL MATCH THE REQUIRED AIC RATINGS

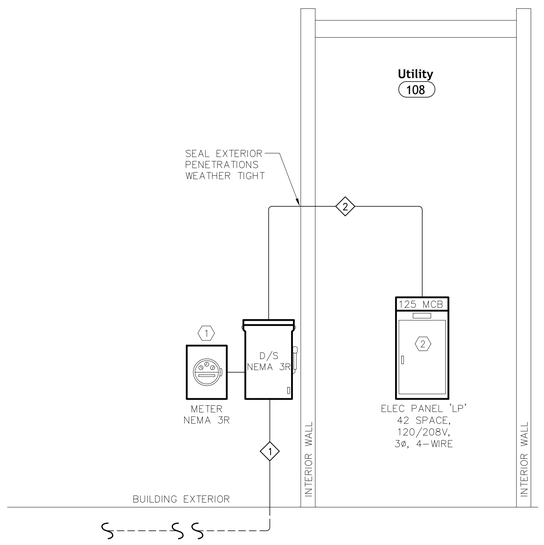
FEEDER SIZE SCHEDULE

	COPPER CONDUCTORS (3ø–4 WIRE WITH GROUND)	COUNDUIT SIZE
1	(4) #1	1–1/2"ø •
2	(4) #1 & 1#6 GND	2"ø

• PROVIDE AN ADDITIONAL MATCHING CONDUIT W/PULLSTRING AS A SPARE

(#) SINGLE LINE DIAGRAM NOTES:

1. NEW UTILITY METER. COORDINATE EXACT REQUIREMENTS WITH LOCAL UTILITY.
2. REFER TO PANELBOARD SCHEDULES ON THIS DRAWING FOR ADDITIONAL INFORMATION.
3. DISCONNECT SWITCH SHALL BE RATED AS SERVICE ENTRANCE EQUIPMENT, 125A, 600V, 3P, NEMA 3R, HEAVY DUTY TYPE, FUSED WITH A MINIMUM 22,000 AIC FUSES, SOLID NEUTRAL, AND EQUIPMENT GROUNDING KITS. SQUARE 'D' CLASS 3110 OR APPROVED EQUAL.



1 E–103 ELECTIRCAL ONE-LINE DIAGRAM
SCALE: NTS

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CARMINA WOOD DESIGN

Schematic
AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Sealed: 11/06/2026

DRAWING NAME:
ELECTRICAL SCHEDULES

Date: 11/06/2026
Drawn By: KMD
Checked By: KRO
DRAWING NO.
E-103
Project No: 24-1121

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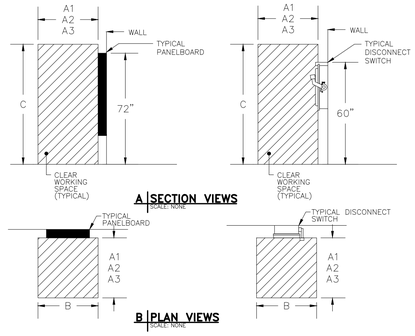
TYPICAL WORKING SPACE FOR 0 TO 600 VOLT ELECTRIC EQUIPMENT

NO SCALE



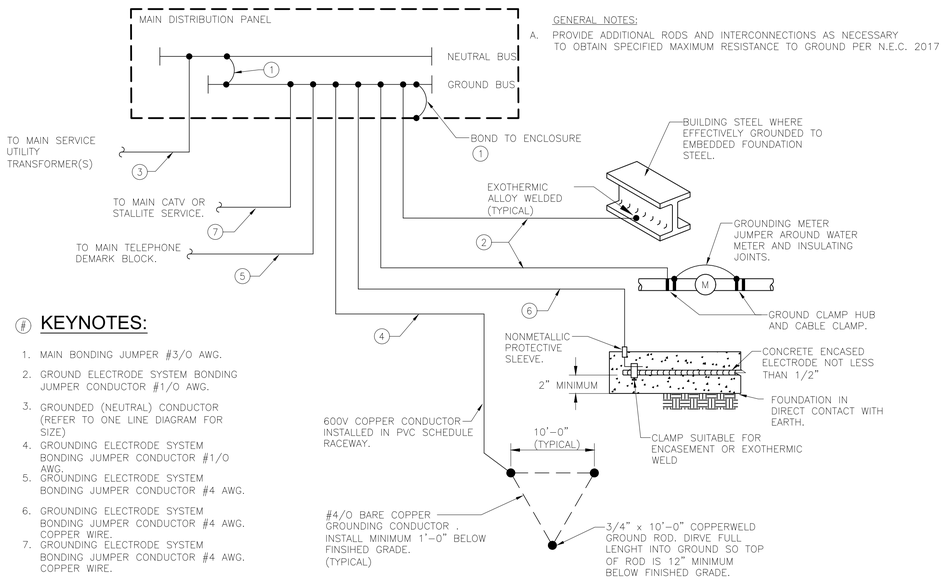
WORKING SPACE DISTANCES–MINIMUM REQUIREMENTS			
DIM	DISTANCE	VOLTS–GND	REMARKS
A1	3'–0"	0–600	NO LIVE/GROUNDED PARTS OPPOSITE EQUIPMENT
A2	3'–6"	151–600	GROUNDED PARTS OPPOSITE EQUIPMENT
A3	4'–0"	151–600	LIVE PARTS OPPOSITE EQUIPMENT
B	2'–6"	0–600	2'–6" OR WIDTH OF EQUIPMENT, WHICHEVER IS GREATER
C	6'–6"	0–600	6'–6" OR HEIGHT OF EQUIPMENT, WHICHEVER IS GREATER

GENERAL NOTES:

1. REFER TO NEC 110–26 FOR ADDITIONAL WORKING SPACE REQUIREMENTS.
2. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE WORKING SPACE DISTANCE REQUIREMENTS ARE MET. COORDINATE EQUIPMENT LOCATIONS WITH ALL TRADES.

SERVICE GROUNDING DETAIL

NO SCALE



GENERAL NOTES:

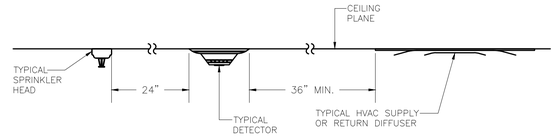
A. PROVIDE ADDITIONAL RODS AND INTERCONNECTIONS AS NECESSARY TO OBTAIN SPECIFIED MAXIMUM RESISTANCE TO GROUND PER N.E.C. 2017

KEYNOTES:

1. MAIN BONDING JUMPER #3/0 AWG.
2. GROUND ELECTRODE SYSTEM BONDING JUMPER CONDUCTOR #1/0 AWG.
3. GROUNDED (NEUTRAL) CONDUCTOR (REFER TO ONE LINE DIAGRAM FOR SIZE)
4. GROUNDING ELECTRODE SYSTEM BONDING JUMPER CONDUCTOR #1/0 AWG.
5. GROUNDING ELECTRODE SYSTEM BONDING JUMPER CONDUCTOR #4 AWG.
6. GROUNDING ELECTRODE SYSTEM BONDING JUMPER CONDUCTOR #4 AWG. COPPER WIRE.
7. GROUNDING ELECTRODE SYSTEM BONDING JUMPER CONDUCTOR #4 AWG. COPPER WIRE.

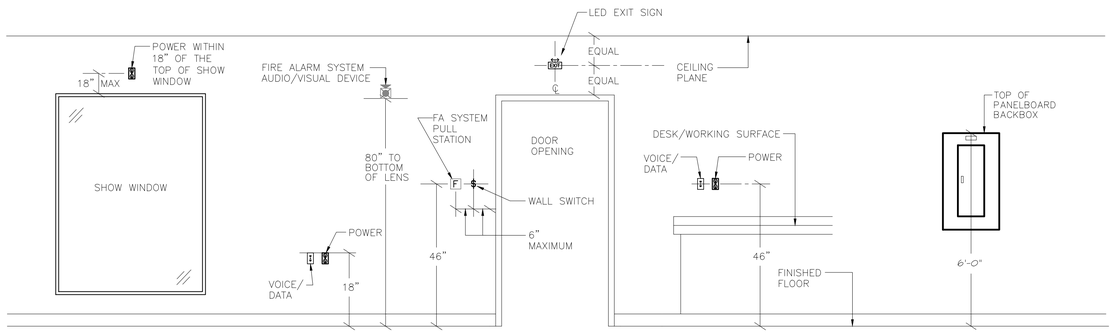
SMOKE DETECTOR INSTALLATION CLEARANCES

NO SCALE



TYPICAL MOUNTING HEIGHTS FOR ELECTRIC WORK

NO SCALE



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Sealed: 11/06/2026

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ELECTRICAL DETAILS

Date: 11/06/2026
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DRAWING NO.

E-104

Project No: 24-1121

ELECTRICAL SPECIFICATIONS

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BASIC ELECTRICAL REQUIREMENTS

A. THE INSTRUCTIONS TO BIDDERS, FORM OF BID, FORM OF CONTRACT, GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS AND THE CONTRACT DRAWINGS ARE A PART OF THE SPECIFICATIONS FOR THIS DIVISION OF WORK AND THIS CONTRACTOR SHALL REFER TO THEM FOR INSTRUCTIONS PERTAINING TO HIS WORK.

B. "THE CONTRACTOR", "THIS CONTRACTOR", "EC", AND "DIVISION 16", AS USED IN THESE DRAWINGS AND SPECIFICATIONS, MEANS THE ELECTRICAL CONTRACTOR. "FURNISH AND INSTALL", "SUPPLY", AND "INSTALL", AS USED IN THESE SPECIFICATIONS, MEANS A COMPLETE AND WORKABLE INSTALLATION BY THE E.C.

C. WHERE SPECIFICATIONS AND/OR DRAWINGS CONFLICT WITH ANY CODE REQUIREMENT, CODE REQUIREMENTS SHALL BE FOLLOWED.

D. CODES AND STANDARDS:

1. STATE BUILDING CODE
2. NFPA STANDARDS
3. ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES
4. STATE CONSERVATION CONSTRUCTION CODE
5. LATEST ADOPTED NATIONAL ELECTRICAL CODE (NEC 2017)

E. THE ELECTRICAL SYSTEMS COVERED BY THIS CONTRACT INCLUDE, BUT ARE NOT LIMITED TO:

1. BRANCH CIRCUIT WIRING AND RACEWAYS
2. WIRING DEVICES
3. DISCONNECTS
4. MOTOR STARTERS AND MOTOR STARTING EQUIPMENT
5. GROUNDING AND BONDING
6. LIGHTING FIXTURES AND LAMPS
7. ELECTRICAL DISTRIBUTION SYSTEM, INCLUDING PANELBOARDS, OVERCURRENT DEVICES, AND FEEDERS
8. EXISTING CONSTRUCTION AND COORDINATION OF DEMOLITION WORK
9. CONNECTIONS TO HVAC, PLUMBING, FIRE PROTECTION, AND ALL OTHER ELECTRICALLY SUPPLIED EQUIPMENT, CONTROLS, CONTROL PANELS, MOTOR STARTERS, MOTOR STARTING EQUIPMENT AND DISCONNECTS NOT FURNISHED UNDER HVAC, PLUMBING, FIRE PROTECTION, OR OTHER CONTRACTS

F. PAY FOR ALL PERMITS, INSPECTION FEES, LICENSES AND FOR TESTS WHICH MAY BE REQUIRED IN DETERMINING THE COMPLETENESS OF THE ELECTRICAL WORK.

G. ALL ELECTRICAL PRODUCTS USED ON THIS PROJECT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL).

H. ALL ELECTRICAL PRODUCTS USED ON THIS PROJECT SHALL CONFORM TO APPLICABLE STANDARD OF THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).

I. ALL ELECTRICAL INSTALLATION AND PRODUCTS USED ON THIS PROJECT SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC).

J. THE PLANS SHOW THE APPROXIMATE LOCATION OF ALL PARTS OF THE WORK. THE ARCHITECT WILL GIVE EXACT LOCATIONS. WHERE STRUCTURAL CONDITIONS ENCOUNTERED NECESSITATE MINOR CHANGES, THESE SHALL BE MADE WITHOUT CHARGE, BUT MUST MEET WITH THE APPROVAL OF THE ARCHITECT. WHERE MAJOR CHANGES ARE REQUIRED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR DECISION BEFORE PROCEEDING WITH THE WORK.

K. NOTIFY THE ARCHITECT, AND OBTAIN APPROVAL, BEFORE ANY COMPONENTS OF THE ELECTRICAL SYSTEM ARE CONCEALED BY CLOSING OFF AREAS, POURING CONCRETE, ETC.

L. DETERMINE AND BE RESPONSIBLE FOR PROPER SIZE AND LOCATION OF OPENINGS AND CHASES, AND GIVE GENERAL CONTRACTOR NOTICE OF REQUIREMENTS. INSTALL ALL SLEEVES NECESSARY FOR THE WORK. WHEREVER ANY RACEWAY PASSES THROUGH A WALL, THE OPENING SHALL BE SEALED TIGHT AGAINST THE RACEWAY BY THIS CONTRACTOR. RACEWAYS THROUGH FOUNDATION WALLS AND ROOFS SHALL BE SEALED WATERTIGHT BY THIS CONTRACTOR.

M. THIS CONTRACTOR SHALL DO ALL NECESSARY CUTTING AND PATCHING WHICH IS NOT CALLED TO BE DONE UNDER ANOTHER DIVISION. ALL CUTTING AND REPAIRING SHALL BE PERFORMED BY SKILLED WORKERS.

N. PAINT ALL EXPOSED RACEWAYS IN FINISHED ROOMS WITH TWO COATS OF PAINT TO MATCH SURROUNDINGS. INSTALL PANELBOARD TRIMS, CABINETS, ENCLOSURES, ETC., IN SUFFICIENT TIME SO THAT THE PAINTING CONTRACTOR MAY PAINT THESE SURFACES WITH THE WALLS. THIS CONTRACTOR SHALL PAY FOR ALL NECESSARY PAINTING IF THE ABOVE PROCEDURE IS NOT FOLLOWED.

O. THE CONTRACTOR SHALL FURNISH AND INSTALL THE POWER AND LIGHTING REQUIRED FOR THE CONSTRUCTION THE SCOPE SHALL INCLUDE, BUT NOT LIMITED TO:

1. TEMPORARY POWER DISTRIBUTION
2. LAMP SOCKETS AND LAMPS
3. OUTLETS AND CONSTRUCTION EQUIPMENT CONNECTION INCLUDING WELDERS
4. REMOVAL OF TEMPORARY DISTRIBUTION AFTER COMPLETION OF CONSTRUCTION

P. THE ELECTRICAL CONTRACTOR SHALL INSTALL RACEWAYS IN SUCH A MANNER THAT THE EXPANSION JOINTS OF THE BUILDING WILL FUNCTION PROPERLY AND NOT STRESS ANY ELECTRICAL RACEWAYS. EXPANSION JOINTS SHALL BE INSTALLED IN ALL RACEWAYS AT THE EXPANSION JOINTS OF THE BUILDING.

Q. BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE BUILDING AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF SAME. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND THE MEASUREMENTS INDICATED ON THE DRAWINGS; ANY DIFFERENCE WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION BEFORE PROCEEDING WITH THE WORK.

R. PROVIDE PRODUCT DATA, CATALOG CUT SHEETS WITH MFG. SPECIFICATIONS FOR REVIEW BY ARCH./ENGR. FOR THE FOLLOWING ITEMS:

1. PANELBOARDS
2. SAFETY DISCONNECT SWITCHES
3. OUTLET BOXES
4. FITTINGS
5. LIGHTING FIXTURES
6. LAMPS
7. CONDUCTORS
8. DEVICES
9. TIME SWITCHES
10. TRANSFORMERS
11. FIRE ALARM SYSTEM

S. PROVIDE (3) SUBMITTAL COPIES FOR EACH ITEM LISTED ABOVE.

T. MAINTAIN THROUGHOUT PROJECT A SET OF PLANS WHICH ACCURATELY PORTRAY THE ACTUAL INSTALLATION, INCLUDING LOCATION OF ALL WIRING, EQUIPMENT, CIRCUIT NUMBERS, ETC. TURN OVER TO OWNER AT COMPLETION OF JOB.

U. TERMINALS: ALL ELECTRICAL EQUIPMENT FURNISHED ON THIS PROJECT SHALL HAVE TERMINALS RATED FOR 75° C OPERATION.

RACEWAYS AND FITTINGS

A. WHERE CALLED FOR ON THE DRAWINGS, FLOOR OUTLET BOXES AND POKE-THROUGH DEVICE SHALL BE AS MANUFACTURED BY HUBBELL, WALKER, OR LEW.

B. WIRING AND RACEWAYS SHALL BE CONCEALED IN ALL ROOMS AND SPACES UNLESS OTHERWISE NOTED.

C. ALL FEEDERS AND BRANCH CIRCUIT HOMERUNS SHALL BE INSTALLED IN EMT. WHERE ALLOWED, BRANCH CIRCUITS MAY BE TYPE MC CABLE BETWEEN HOMERUN JUNCTION BOX AND EQUIPMENT/DEVICE CONNECTION IN DRYWALL PARTITIONS ONLY. HOMERUN JUNCTION BOX TO BE A MAXIMUM OF 20 FT. FROM EQUIPMENT/DEVICE.

D. FOR USE IN UNFINISHED AREAS: WIRE IN SURFACE MOUNTED RGS CONDUIT.

E. FOR OUTDOOR USE: WIRE IN THREADED, RIGID STEEL CONDUIT.

F. FOR UNDERGROUND USE: WIRE IN SCHEDULE 80 RIGID PVC NONMETALLIC CONDUIT.

G. FOR FINAL CONNECTION IN DAMP OR WET LOCATIONS: LIQUID TIGHT FLEXIBLE METAL CONDUIT, WITH LISTED FITTINGS.

H. NOT USED

I. IN ALL INSTANCES, INCLUDE A SEPARATE GROUNDING CONDUCTOR IN EACH FEEDER AND BRANCH CIRCUIT, SIZE PER NEC.

J. FURNISH ALL FITTINGS REQUIRED, BUT NOT LIMITED TO: BUSHINGS TO PREVENT WIRE ABRASION; SINGLE-AND MULTIPLE-GANG BOXES TO ACCOMMODATE DEVICE INSTALLATION; ADAPTERS FROM CONDUIT TO RACEWAY; TRANSITIONS TO BOTH LARGER AND SMALLER SURFACE METAL RACEWAYS; 90 DEGREE ELBOWS, TEES, FIXTURE BOXES, AND FLEXIBLE SECTIONS.

K. SURFACE METAL RACEWAY AND FITTINGS SHALL MEET ALL REQUIREMENTS OF NEC ARTICLE 352A AND SHALL BE UL LISTED.

L. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER APPLICATION, INSTALLATION, AND LOCATION OF ALL NECESSARY AND REQUIRED INSERTS, SUPPORTS, AND ANCHOR BOLTS, AND FOR A SATISFACTORY RACEWAY SYSTEM UPON COMPLETION OF THE PROJECT.

M. WHERE ANY COMPONENT OF THE RACEWAY SYSTEM IS DAMAGED PRIOR TO FINAL ACCEPTANCE BY THE OWNER, THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE SAME OR PROVIDE A NEW RACEWAY SYSTEM, AT THE EXPENSE OF THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.

N. CONDUITS SHALL BE RUN TO AVOID ADVERSE CONDITIONS SUCH AS HEAT AND MOISTURE AND TO AVOID ALL MATERIALS AND EQUIPMENT OF OTHER TRADES. CONDUITS SHALL MAINTAIN A MINIMUM CLEARANCE OF SIX INCHES FROM ALL HOT WATER PIPES, FLUES, OR AND HIGH TEMPERATURE PIPING OR DUCTWORK. SHOULD IT BE FOUND NECESSARY TO INSTALL CONDUIT CLOSER THAN THIS TO HOT WATER PIPES AN INSULATING COVERING SHALL BE USED TO PROTECT THE CONDUIT FROM HIGH TEMPERATURE.

O. RACEWAYS SHALL NOT BE SMALLER THAN THE SIZE REQUIRED BY THE NATIONAL ELECTRICAL CODE FOR THE CONDUCTORS ENCLOSED AND SHALL BE LARGER WHERE SO SPECIFIED OR INDICATED ON THE PLANS.

P. ALL EXPOSED RUNS OF CONDUIT SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS OR CEILINGS. SUPPORTS SHALL BE FROM THE MASONRY OR STEEL STRUCTURE RATHER THAN FROM OTHER MECHANICAL WORK SUCH AS DUCTS, PIPING, ETC., IN ACCORDANCE WITH GOOD INDUSTRY PRACTICE IN A MANNER ACCEPTABLE TO THE ARCHITECT.

Q. SUPPORTS AND ATTACHMENTS PROVIDED SHALL BE SPECIFICALLY DESIGNED FOR THE APPLICATIONS. PERFORATED HANGERS OR WIRE TIE SUPPORTS ARE NOT ACCEPTABLE. ALL HANGERS AND SUPPORTS SHALL HAVE CORROSION RESISTANT FINISH.

R. ALL CONDUITS AND RACEWAYS PASSING THROUGH WALLS, FLOORS, AND CEILINGS SHALLBE SLEEVED WITH A PIECE OF SCHEDULE 40 GALVANIZED STEEL PIPE WITH PLAIN ENDS. ALL SLEEVES SHALL BE SEALED WATERTIGHT USING A MATERIAL SIMILAR IN APPEARANCE TO THE SURROUNDING AREA OR APPROVED MATERIAL.

S. CONDUITS EXTENDING THROUGH ROOFS SHALL BE EQUIPPED WITH PITCH POCKETS.

T. ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH A NYLON PULLWIRE.

U. ALL CONDUIT PASSING THROUGH A FIRE ZONE SHALL HAVE A FIRE RATED INSTALLATION.

V. CONDUIT SHALL BE INSTALLED SO THAT A CONTINUOUS GROUNDING SYSTEM WILL BE MAINTAINED FROM THE FURTHERMOST OUTLET TO THE ESTABLISHED WATER PIPE GROUND.

W. CONDULETS, UNILETS, OR SIMILAR APPROVED TYPE FITTINGS SHALL BE USED ON EXPOSED WORK WHERE CONDUIT CHANGES DIRECTION AND WHERE BENDS WILL NOT MAKE A NEAT JOB.

X. EXPOSED CONDUIT SHALL BE SECURELY FASTENED TO THE BUILDING AT EIGHT-FOOT MINIMUM INTERVALS, USING APPROVED HANGERS, STRAPS, CLAMPS, OR SCREWS. WOOD PLUGS SHALL NOT BE USED FOR FASTENING PURPOSES. CONDUIT RUN ABOVE HUNG CEILING OR IN CRAWL SPACES SHALL BE SUPPORTED IN THE SAME MANNER AS FOR EXPOSED RUNS. WIRE TIES ARE NOT ACCEPTABLE SUPPORTS.

Y. CARE SHALL BE EXERCISED TO MAKE CERTAIN THAT THE CONDUIT SYSTEM NOW PLANNED WILL PERMIT REMOVAL OF CONDUCTORS FOR FUTURE CHANGES AS MAY BE REQUIRED. ALTHOUGH UP TO FOUR 90 DEGREE BENDS ARE PERMITTED BY THE NATIONAL ELECTRICAL CODE, THE PRACTICE OF USING MORE THAN THREE 90 DEGREE BENDS PER RUN SHALL BE AVOIDED. PULL BOXES SHALL BE USED IF AT ALL FEASIBLE.

Z. PULLBOXES SHALL BE INSTALLED AT 100 FOOT INTERVALS IN LONG STRAIGHT RUNS. CLOSE NIPPLES WILL NOT BE PERMITTED.

AA. CONDUIT SMALLER THAN 1/2" SHALL NOT BE USED.

THE REQUIRED STRENGTH OF THE SUPPORTING EQUIPMENT AND THE SIZE AND TYPE OF ANCHORS SHALL BE BASED ON THE COMBINED WEIGHT OF CONDUIT, HANGERS, AND CONDUCTORS. THE USE OF PERFORATED IRON STRAPS FOR SUPPORTING CONDUITS WILL NOT BE PERMITTED.

BB. SINGLE RUNS:

1. WHERE CONDUITS ARE RUN INDIVIDUALLY, THEY SHALL BE SUPPORTED BY APPROVED PIPE STRAPS, SECURED BY MEANS OF TOGGLE BOLTS
2. IN HOLLOW MASONRY; EXPANSION SHIELDS AND MACHINE SCREWS OR STANDARD PRESET INSERTS IN CONCRETE OR SOLID MASONRY; MACHINE SCREWS OR BOLTS IN METAL SURFACES; AND WOOD SCREWS IN WOOD CONSTRUCTION. THE USE OF PERFORATED IRON STRAPS WILL NOT BE PERMITTED.
3. CONDUITS INSTALLED EXPOSED ON THE SURFACE IN DAMP LOCATIONS OR IN REFRIGERATED AREAS SHALL BE PROVIDED WITH CLAMP BACKS UNDER EACH CONDUIT CLAMP TO PREVENT ACCUMULATION OF MOISTURE AROUND THE CONDUITS.
   WHERE INDIVIDUAL CONDUITS ARE SUSPENDED FROM THE CEILING THEY SHALL BE SUPPORTED BY HANGERS EQUIVALENT TO STEEL CITY NO. C-149.

CC. MULTIPLE RUNS:

1. WHERE A NUMBER OF CONDUITS ARE TO BE RUN EXPOSED AND PARALLEL, ONE WITH ANOTHER, THEY SHALL BE GROUPED AND SUPPORTED BY TRAPEZE HANGERS.
2. HANGER RODS SHALL BE FASTENED TO STRUCTURAL STEEL MEMBERS WITH SUITABLE BEAM CLAMPS, OR TO CONCRETE INSERTS SET FLUSH WITH SURFACE.

DD. THE CONTRACTOR SHALL FURNISH AND INSTALL JUNCTION BOXES, PULLBOXES, AND CABLE SUPPORT BOXES AS SHOWN ON THE DRAWINGS, SPECIFIED HEREIN, OR AS OTHERWISE REQUIRED. BOXES SHALL BE SECURED IN POSITION INDEPENDENTLY OF CONDUITS ENTERING THEM BY MEANS OF BOLTS, ROD HANGERS, BRACKETS, OR OTHER APPROVED METHODS. OUTLET BOXES SHALL BE SECURELY FASTENED TO CEILINGS, WALLS OR COLUMNS.

EE. BOXES INSTALLED IN FINISHED CEILINGS, WALLS OR COLUMNS SHALL BE SET SO THAT THE FRONT EDGE OF THE BOX SHALL BE FLUSH WITH FINISHED CEILINGS, WALLS OR COLUMNS.

FF. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR SPECIFIED HEREIN, RECEPTACLE OUTLET CENTERLINES SHALL BE INSTALLED 18" ABOVE THE FLOOR.

GG. PROVIDE FIRESTOPPING TO CABLE AND RACEWAY PENETRATIONS OR FIRE-RATED FLOOR AND WALL ASSEMBLIES TO ACHIEVE FIRE-RESISTANCE RATING OF THE ASSEMBLY.

WIRE AND CABLE

A. ACCEPTABLE MANUFACTURERS SHALL BE ANACONDA, GENERAL ELECTRIC, CERRO, OR BRAND REX.

B. ALL CONDUCTORS SHALL BY COPPER, WITH 600 VOLT INSULATION, UNLESS OTHERWISE NOTED; STRANDING AND INSULATION TYPES AS FOLLOWS:

C. BRANCH CIRCUIT FEEDERS

1. #10 AWG AND SMALLER (SOLID) – TYPE THHN/THWN INSULATION.
2. #8 AWG AND LARGER (STRANDED) – TYPE THHN/THWN INSULATION.

D. ALL WIRE AND CABLE SHALL BE NEW, WITHIN ONE YEAR OF MANUFACTURE WHEN DELIVERED TO THE SITE AND BEAR THE UL LABEL, INSULATION TYPE, VOLTAGE, AND MANUFACTURER'S NAME AT REGULAR INTERVALS ON THE INSULATION.

E. ALL WIRING SHALL BE DONE SO THAT THE SYSTEM WILL BE CONTINUOUSLY POLARIZED THROUGHOUT, FOLLOWING THE COLOR CODING INDICATED IN THE NEC.

F. ALL CONNECTIONS USING COPPER SHALL BE MADE WITH CONNECTORS THAT ARE DESIGNED AND APPROVED FOR COPPER.

G. JOINTS, TAPS AND SPLICES OF WIRES OF SIZES #10 AWG AND SMALLER SHALL BE MADE BY MEANS OF "SCOTCHLOK" SPRING CONNECTORS.

H. JOINTS, TAPS AND SPICES OF WIRES OF SIZE #8 AWG AND LARGER SHALL BE MADE WITH THOMAS AND BETTS ALUMINUM/COPPER COLOR –KEYED COMPRESSION CONNECTORS, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

I. WIRE SIZES SHALL BE AS SHOWN ON THE DRAWINGS OR SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

J. ALL FEEDER CABLES SHALL BE CONTINUOUS FROM ORIGIN TO EQUIPMENT TERMINATION WITHOUT RUNNING SPLICES IN INTERMEDIATE PULL OR SPLICE BOXES AS FAR AS PRACTICABLE. NO SPLICES ARE ALLOWED IN "C" CONDULETS.

K. CONDUCTORS SHALL NOT BE SMALLER THAN CODE SIZE FOR THE LOADS BEING HANDLED AND SHALL BE LARGER IF SO INDICATED IN THE PLANS OR SPECIFICATIONS. NO CONDUCTOR SHALL BE LESS THAN #12 AWG EXCEPT FOR CONTROL CIRCUITS, WHICH MAY BE #14 WIRE WHEN INDICATED.

L. PROVIDE SEPARATE GREEN GROUND (EQUIPMENT GROUND) CONDUCTOR WITH EACH FEEDER AND BRANCH CIRCUIT.

M. WIRING IN DUCTS, PLENUMS, AND OTHER AIR HANDLING SPACES SHALL BE PROVIDED PER NEC ART. 300.22 AND ALL OTHER APPLICABLE CODE SECTIONS. WHERE PROVIDED PLENUM CABLE SHALL BE LISTED AS BEING SUITABLE FOR USE IN DUCTS, PLENUMS, AND OTHER SPACES USED FOR ENVIRONMENTAL AIR AND SHALL ALSO BE LISTED AS HAVING ADEQUATE FIRE-RESISTANT AND LOW SMOKE-PRODUCING CHARACTERISTICS. WIRING SHALL INCLUDE BUT NOT LIMITED TO POWER, LIGHTING, TELEPHONE, DATA, FIRE ALARM, SECURITY, ETC.

CABINETS, BOXES, AND FITTINGS

A. USE SHEET STEEL JUNCTION, OUTLET AND PULL BOXES SIZED PER NEC IN ALL DRY LOCATIONS.

B. USE CAST BOXES FOR EXTERIOR USE, WHERE IN CONCRETE FLOORS, AND IN ALL DAMP OR WET LOCATIONS.

C. NOT USED.

D. USE STEEL OR MALLEABLE IRON FITTINGS SPECIFICALLY DESIGNED FOR EACH RACEWAY TYPE, AS DICTATED BY GOOD PRACTICE.

E. IN ALL CASES, ALL CABINETS, JUNCTION AND OUTLET BOXES SHALL BE ACCESSIBLE.

ELECTRICAL CONNECTIONS FOR EQUIPMENT

A. FIXED EQUIPMENT REQUIRING ATTACHMENT PLUGS SHALL BE PROVIDED WITH APPROPRIATE RECEPTACLE TO MATCH PLUG.

B. FIXED EQUIPMENT REQUIRING DIRECT WIRED CONNECTIONS SHALL BE PROVIDED WITH LOCAL JUNCTION BOX, AND FLEXIBLE NONMETALLIC CONDUIT, OR LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT CONNECTIONS TO EQUIPMENT.

C. PROVIDE SEPARATE FUSIBLE DISCONNECT FOR EQUIPMENT NOT FURNISHED WITH INTEGRAL OR FACTORY FURNISHED DISCONNECTING MEANS.

D. PROVIDE MOTOR STARTER FOR EQUIPMENT NOT FURNISHED WITH FACTORY STARTER.

WIRING DEVICES

A. FOR FINISHED AREAS, USE SPECIFICATION GRADE DEVICES, COLOR AS SELECTED BY ARCHITECT, WITH SMOOTH THERMOPLASTIC WALL PLATE, COLOR TO MATCH DEVICE.

B. FOR UNFINISHED DRY INTERIOR SPACES, USE SPECIFICATION GRADE DEVICE IN STEEL UTILITY BOXES WITH MATCHING STEEL DEVICE COVERS.

C. FOR INTERIOR AND EXTERIOR WET LOCATIONS, USE SPECIFICATION GRADE DEVICES INSTALLED WITH AN OUTLET ENCLOSURE CLEARLY MARKED "SUITABLE FOR WET LOCATIONS WHILE IN USE", AS MANUFACTURED BY TAYMAC CORP., WITH PUSH-BUTTON RELEASE.

D. RECEPTACLES:

20A, 125V DUPLEX RECEPTACLE: EATON (ARROW HART) 5362
20A, 125V DUPLEX GFI RECEPTACLE:GF20 (NON TAMPER) / TRGF20 (TAMPER)
20A, 125V DUPLEX RECEPTACLE: EATON (ARROW HART) IG5362RN (ORANGE)

E. SWITCHES:

20A, 120/277V A.C. TOGGLE SWITCH: EATON (ARROW HART) 1221
20A, 120/277V A.C. THREE-WAY SWITCH: EATON (ARROW HART) 1223
20A, 120/277V A.C. FOUR-WAY SWITCH: EATON ARROW HART) 1224

F. MOUNTING: MOUNT DEVICES IN SINGLE OR GANGED ARRANGEMENT, AS CALLED FOR ON THE DRAWINGS. PROVIDE APPROPRIATE STEEL BACKBOX AS REQUIRED; USE SINGLE OR MULTIPLE DEVICE COVERS, AS REQUIRED. MULTIPLE DEVICES TO BE EQUALLY SPACED, AND ALIGNED STRAIGHT SO AS TO ALLOW DEVICE PLATE TO FIT SNUGLY AND PROPERLY.

G. WHERE MOUNTING ON MILLWORK OR OTHER EQUIPMENT, VERIFY PROPER ROUGH-IN DIMENSIONS WITH ARCHITECT.

H. DEVICES IN MECHANICAL EQUIPMENT ROOMS MAY BE WIRED USING SURFACE MOUNTED CONDUIT. DEVICES TO BE INSTALLED AT HEIGHTS TO COMPLY WITH APPLICABLE HANDICAPPED REQUIREMENTS: RECEPTACLES +18" UNLESS OTHERWISE NOTED; WALL SWITCHES +48"; FIRE ALARM PULLSTATIONS +48"; FIRE ALARM AUDIO VISUAL DEVICES +6'-8" TO CENTERLINE OF STROBE UNLESS OTHERWISE NOTED. DIMENSIONS ABOVE FROM FINISHED FLOOR TO CENTERLINE. REFER TO TYPICAL MOUNTING HEIGHT DETAIL ON DRAWINGS FOR FURTHER REQUIREMENTS.

I. MANUFACTURERS: HUBBELL, PASS & SEYMOUR, LEVITON.

SAFETY DISCONNECT DEVICES

A. DISCONNECTION DEVICES RATING SHALL BE AS SHOWN ON THE DRAWINGS, HEAVY-DUTY, "QUICK-MAKE, QUICK-BREAK", SAFETY SWITCHES WITH INTERLOCKING COVER, CONSTRUCTED OF CODE GAGE STEEL (UL 98). ENCLOSURES SHALL BE TREATED WITH RUST INHIBITING PHOSPHATE AND FINISHED IN GRAY BAKED ENAMEL.

B. DISCONNECTS SHALL BE FUSED OR NON-FUSED AS INDICATED ON THE DRAWINGS, OR AS REQUIRED BY NEC. NUMBER OF POLES, WITH OR WITHOUT SOLID NEUTRAL, SHALL BE AS INDICATED ON THE DRAWINGS, OR AS REQUIRED.

C. ENCLOSURES FOR INDOOR USE SHALL BE NEMA 1; ENCLOSURES FOR EXTERIOR USE SHALL BE NEMA 3R, ENCLOSURES FOR HAZ. LOCATIONS SHALL BE CLASS II DIV. I LISTED.

D. DISCONNECTS SHALL REQUIRE THE USE OF A SCREWDRIVER FOR ACCESS TO INTERIOR WITHOUT OPENING CONTACTS.

E. DISCONNECTS SHALL HAVE PROVISIONS FOR PADLOCKING THE SWITCH IN THE "OFF", OR "OPEN" POSITION.

F. ACCEPTABLE MANUFACTURERS ARE SQUARE D, ITE, WESTINGHOUSE, OR GENERAL ELECTRIC.

G. FURNISH A SAFETY DISCONNECT DEVICE ON ALL EQUIPMENT CONNECTIONS WHERE INDICATED ON THE DRAWINGS, OR AS REQUIRED BY CODE.

H. DISCONNECTS SHALL BE MOUNTED TO PERMANENT STRUCTURAL ELEMENTS WITH APPROVED FASTENING MEANS. DISCONNECTS SHALL NOT BE FASTENED BY WELDING THE ENCLOSURE TO ITS DESIGNATED STRUCTURAL SUPPORT. BEAM CLAMPS, UNISTRUT AND BOLTED WASHERS COMPRISE ACCEPTABLE FASTENING MEANS.

I. GROUND SERVICE, EQUIPMENT, CIRCUITS PER NEC.ART 250. USE COPPER CONDUCTORS.

J. NAMEPLATES SHALL BE PLASTIC LAMINATE WITH WHITE BACKGROUND AND 1/4" BLACK ENGRAVED LETTERS WITH THE TITLE OF THE EQUIPMENT THAT IS FED. NAMEPLATES SHALL BE ATTACHED USING RIVETS OR NUTS, WASHERS, AND BOLTS.

GROUNDING

A. GROUND SERVICE, EQUIPMENT, CIRCUITS PER NEC.ART 250. USE COPPER CONDUCTORS.

PANELBOARDS

A. SHALL BE UL LISTED AS "SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT", WHERE APPLICABLE.

B. PHASE, NEUTRAL AND GROUND BUSSES SHALL BE COPPER, AND PHASE BUSSES SHALL EXTEND THE ENTIRE HEIGHT OF PANELBOARD, FOR FUTURE INSTALLATION OF ADDITIONAL CIRCUIT BREAKERS, WITHOUT THE NEED FOR CONNECTORS, BUT CIRCUIT BREAKERS CONNECTIONS TO THE BUS SHALL BE: BOLT-ON, DOUBLE ROW ARRANGEMENT, DISTRIBUTED PHASE BUS TYPE.

C. CIRCUIT BREAKERS SHALL BE MOLDED CASE, THERMAL MAGNETIC, BOLT-ON TYPE, DEAD FRONT DESIGN, WITH QUICK-MAKE, QUICK-BREAK, COMMON TRIP TYPE SINGLE TOGGLE OPERATING MECHANISMS, 1, 2, OR 3 POLE, AND HACR LISTED WHEN USED FOR HVAC EQUIPMENT, SIZED PER PANELBOARD SCHEDULE.

D. BACKBOXES SHALL BE FABRICATED FROM GALVANIZED, CODE GAUGE, SHEET STEEL, MEETING OR EXCEEDING NECESSARY REQUIREMENT FOR WIRE BENDING SPACE, WITHOUT KNOCKOUTS.

E. COVERS SHALL BE DEAD FRONT DESIGN, WITH HINGED DOOR, CONCEALED FASTENERS, FABRICATED FROM CODE GAGE STEEL WITH POINTED ENAMEL FINISH, FLUSH LOCK AND CATCH.

F. PANELBOARD DIRECTORY CARD, WITH CLEAR PLASTIC COVER, SHALL BE PROVIDED ON BACK OR DOOR. CONTRACTOR SHALL COMPLETE DIRECTORY CARD, WITH CIRCUIT BREAKER NUMBERS CROSS REFERENCED TO THEIR RESPECTIVE LOAD(S), BY LOAD TYPE AND ROOM OR SPACE NAME AND NUMBER.

G. PROVIDE PERMANENT LAMACOID OR EQUAL TYPE LABEL INSIDE PANELBOARD DOOR, IDENTIFYING PANELBOARD NAME.

H. DESIGN EQUIPMENT SHALL BE SQUARE D CO. – TYPE NQOD FOR 208Y/120V PANELBOARDS; TYPE NF FOR 480Y/277V PANELBOARDS; TYPE I-LINE FOR DISTRIBUTION PANELBOARDS. ALTERNATE MANUFACTURERS ARE: CUTTLER-HAMMER/WESTINGHOUSE, OR SIEMENS/ITE.

FUSES

A. PROVIDE INSTANTANEOUS OR TIME DELAY TYPE FUSES FOR EACH FUSIBLE DEVICE, INCLUDING DISCONNECTS, FUSIBLE MOTOR STARTERS, SERVICE SWITCHES. PROVIDE TIME CURRENT CURVES FOR EACH TYPE AND SIZE FUSE USED. PROVIDE ONE SPARE SET OF FUSES FOR EACH SIZE INSTALLED.

B. CARTRIDGE FUSE APPLICATION:

1. MAIN SERVICE: CLASS L FAST ACTING.
2. MAIN FEEDERS: CLASS J TIME DELAY.
3. MOTOR BRANCH CIRCUITS: CLASS RK1 TIME DELAY.
4. OTHER BRANCH CIRCUITS: CLASS RK5 NON-TIME DELAY.

C. MANUFACTURERS: BUSSMAN, EAGLE ELECTRIC, GENERAL ELECTRIC, GOULD.

MOTOR STARTERS

A. FRACTIONAL HORSEPOWER MOTOR CIRCUIT SWITCH: FOR MANUALLY CONTROLLED MOTORS LESS THAN 1 H.P., USE MOTOR CIRCUIT SWITCH WITH PILOT LIGHT, WITH THERMAL UNITS, FOR MOTORS NOT EQUIPPED WITH SAME, BASIS FOR DESIGN: SQUARE D TYPE K.

B. MANUAL MOTOR STARTER: FOR MANUALLY CONTROLLED MOTORS 1 H.P. THROUGH 3 H.P., USE INTEGRAL HORSEPOWER MANUAL STARTER, PUSH-BUTTON TYPE, WITH THERMAL UNITS, ONE AUXILIARY N.O./N.C. CONTACT, PILOT LIGHT, BASIS FOR DESIGN: SQUARE D TYPE M.

C. COMBINATION MOTOR STARTER: FOR ALL OTHER MOTORS, OR WHEN INDICATED ON THE DRAWINGS, USE COMBINATION MOTOR STARTER, FUSIBLE DISCONNECT TYPE, WITH OVERLOADS, CONTROL POWER TRANSFORMER AND FUSES, HAND-OFF-AUTO SELECTOR SWITCH, OFF AND RUNNING PILOT LIGHTS, (2) N.O./N.C. AUX CONTACTS; NEMA 1 ENCLOSURE FOR INDOOR USE, NEMA 4 ENCLOSURE FOR EXTERIOR USE. NON-REVERSING OR REVERSING AS INDICATED ON THE DRAWINGS. SIZE AS REQUIRED FOR MOTOR HORSE POWER SERVED; LARGER SIZE REQUIRED WHERE A SPECIFIC SIZE IS INDICATED ON THE DRAWINGS. FUSIBLE TYPE SHALL BE FURNISHED, UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
   BASIS FOR DESIGN: SQUARE D CLASS 8538(FUSIBLE, NON-REVERSING); CLASS 8738(FUSIBLE, REVERSING); CLASS 8539(CIRCUIT BREAKER, NON-REVERSING); CLASS 8739(CIRCUIT BREAKER, REVERSING).

D. MANUFACTURERS: SQUARE-D, GENERAL ELECTRIC, CHALLENGER, SIEMENS.

INTERIOR LIGHTING

A. PROVIDE AND INSTALL ITEMS AS SPECIFIED HEREIN AND LISTED ON THE LIGHTING FIXTURE SCHEDULE ON THE DRAWINGS.

B. CATALOG NAMES AND NUMBERS USED IN THE LIGHTING FIXTURE SCHEDULE ARE TO ESTABLISH A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION.

C. IF ALTERNATED, OR OPTIONAL, METHODS ARE PROPOSED AS SUBSTITUTION FOR ANY ONE OF THE LIGHTING FIXTURES, THEY MUST BE EQUAL IN DESIGN AND QUALITY, AS DETERMINED BY THE ARCHITECT/ENGINEER. THE DATA SUBMITTED MUST INCLUDE A DESCRIPTION OF THE LIGHTING FIXTURE, LENS, BALLAST, SHEET METAL GAGE, PHOTOMETRIC DATA, ETC.

D. UPON REQUEST OF THE ENGINEER, A SAMPLE OF THE PROPO

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PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE AND TYPE	SYMBOL	DRAINAGE		DOMESTIC WATER			REMARKS
			SAN	VENT	DCW	DHW	DTW	
WC1	WATER CLOSET –FLUSH VALVE –WALL MOUNT – –		3"	2"	1"	–	–	MANUFACTURER: MANSFIELD, GERBER MODEL: WALL MOUNT ONE PIECE WATER CLOSET, ELONGATED BOWL, WALL CARRIER, 1.28 GPF, OPEN FRONT SEAT, FLUSH VALVE BATTERY OPERATED, SLOAN, TOTO
WC2	WATER CLOSET –ADA –FLUSH VALVE –WALL MOUNT –		3"	2"	1"	–	–	MANUFACTURER: MANSFIELD, GERBER (ADA) MODEL: WALL MOUNT ONE PIECE WATER CLOSET, ELONGATED BOWL, WALL CARRIER, 1.28 GPF, OPEN FRONT SEAT, FLUSH VALVE BATTERY OPERATED, SLOAN, TOTO
UR1	URINAL –ADA –FLUSH VALVE –WALL MOUNT –		2"	2"	3/4"	–	–	MANUFACTURER: MANSFIELD (ADA) MODEL: SUBURBAN 475HE, WALL MOUNT URINAL, WALL CARRIER 1.0 GPF, FLUSH VALVE TOP SPUD, SLOAN, TOTO
LV1	LAVATORY –ADA –COUNTER MOUNT –		1–1/2"	1–1/2"	1/2"	1/2"	1/2"	MANUFACTURER: MANSFIELD – (ADA) VITREOUS CHINA MODEL: ALTO II 251–4, 4"CENTER–FAUCET: SYMMONS METER FAUCET, SINGLE HANDLE WITH GRID DRAIN, P–TRAP AND TRUEBRO "HAND LAV–GUARD"
CS1	COUNTER SINK –ADA – –		1–1/2"	1–1/2"	1/2"	1/2"	–	MANUFACTURER: DAYTON (ADA) MODEL: D12521 25"x21–1/4"x6–1/2" DEEP, 3 HOLE SINK FAUCET: ELKAY LKD2437BHC, 8"CENTER, DECK MOUNT FAUCET WITH ARC TUBE, CHROME
DW1	DISHWASHER – – –	DW	1"	–	–	1/2"	–	MANUFACTURER: BY OWNER (PROVIDED AND INSTALLED BY PLUMBER)
SH1	SHOWER –ADA WITH SEAT –INSTALL FAUCET PER –ADA REQUIREMENTS –LD1		2"	2"	1/2"	1/2"	–	SHOWER UNIT – ACCESSIBLE ADA COMPLIANT SHOWER STALL WITH CURTAIN ROD, LINEAR DRAIN AND SEAT – WALL TILE AND BASE BY ARCHITECTURAL WITH SYMMONS – SHOWER HEAD, MIXING VALVE AND FAUCET. COORDINATE WITH OWNER/REPRESENTATIVE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR (SHOWER STALL TO BE A COMPLETE AND OPERATIONAL WHEN COMPLETED WITH ALL ACCESSORIES INCLUDED)
SH2	SHOWER –LD1 – –		2"	2"	1/2"	1/2"	–	SHOWER UNIT – SHOWER STALL WITH CURTAIN ROD, LINEAR DRAIN – WALL TILE AND BASE BY ARCHITECTURAL WITH SYMMONS – SHOWER HEAD, MIXING VALVE AND FAUCET. COORDINATE WITH OWNER/REPRESENTATIVE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR (SHOWER STALL TO BE A COMPLETE AND OPERATIONAL WHEN COMPLETED WITH ALL ACCESSORIES INCLUDED)
LD1	LINEAR DRAIN –SHOWERS (SH1 & SH2) – –		2"	2"	–	–	–	SHOWER – LINEAR DRAIN, SIZE AND LENGTH BY ARCHITECTURAL (MANUFACTRER/MODEL: Oatey ShowerLine Linear Drain by QuickDrain)
WH1	WATER HEATER –ELECTRIC –50 GAL –		–	–	1"	1"	–	MANUFACTURER: BRADFORD WHITE, LIGHT DUTY POWER DIRECT VENT MODEL: LG2PDV50H603N OR APPROVED EQUAL, 48 GAL. 60 CFH, 103 GAL AT 90°F RISE, EFF:96%, VITRAGLAS TANK LINING WITH MICROBAN ANTIMICOBIAL PROTECTION, EXPANSION TANK: AMTROL ST–12–DD, INSTALL PER MANUFACTURER'S RECOMMENDATIONS, COORDINATE VENTING IPEX SYSTEM 1738 WITH MECHANICAL CONTRACTOR
RP1	RECIRCULATING PUMP –WATER HEATER (WH1) – – –		–	–	–	–	–	RECIRCULATING PUMP MANUFACTURER: BELL & GOSSETT MODEL: SERIES PL–36 – 1/2" FLANGE, 1/6 HP, 120V – AQUA–STAT AND TIMER KIT
MV1	MIXING VALVE –WATER HEATER (WH1) – – –		–	–	3/4"	3/4"	1"	CALEFFI – MODEL 521359A – HOT WATER TEMPERATURE CONTROL VALVE WITH BRONZE BODY CONSTRUCTION, SOLID WAX HYDRAULIC PRINCIPLE THERMOSTAT THAT CONTROLS BOTH HOT AND COLD WATER, INTEGRAL FILTER WASHERS AND CHECK VALVES, AND ADJUSTMENT CAP WITH LOCKING FEATURE SET TO PROVIDE MAXIMUM 110 DEG. F HOT WATER
FD1	FLOOR DRAIN –WITH WATERLESS PRIMER – – –		4"	2"	–	–	–	MANUFACTURER: MIFAB MODEL: F1000–C–TS–3–MI–GARD, 5" (4"DRAIN) OR 8" (6"DRAIN) ROUND DRAIN–CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, SATIN FINISHED STAINLESS STEEL STRAINER
WHY	WALL HYDRANT –FROST FREEZE – –		–	–	3/4"	–	–	MANUFACTURER: MIFAB MODEL: MHY–20 – PROVIDE EXTRA KEY – –
WHA	WATER HAMMER ARRESTER –INSTALL PER PDI – – –		–	–	–	–	–	MANUFACTURER: MIFAB MODEL: MWH, PISTON OPERATED, LEAD FREE SIZE PER PDI STANDARDS

PLUMBING FIXTURE NOTE:
– ALL PLUMBING FIXTURES TO BE APPROVED BY BUILDING OWNER REPRESENTATIVE PRIOR TO ORDERING.
– REFER TO FLOOR PLANS FOR LOCATION OF ADDITIONAL PLUMBING FIXTURES/EQUIPMENT.

NOTES:

1. ROUGH ACCORDING TO ABOVE SCHEDULE UNLESS OTHERWISE INDICATED ON DRAWINGS.
2. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE PLUMBING INSTALLATION AS SPECIFIED IN SPECIFICATIONS AND ON DRAWINGS. (SYSTEM TO BE A COMPLETE AND OPERATIONAL UPON COMPLETION)
3. PROVIDE ACCESS PANEL ON ALL NON–ACCESSIBLE CEILINGS BELOW PLUMBING VALVES.
4. REFER TO DRAWINGS FOR ADDITIONAL PLUMBING EQUIPMENT SPECIFICATIONS.
5. PLUMBING FIXTURES MANUFACTURER (TOILETS, LAVATORIES, SINKS AND ACCESSORIES) TO BE COORDINATED WITH OWNER'S REPRESENTATIVE PRIOR TO ORDERING.
6. PLUMBING FIXTURES/EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

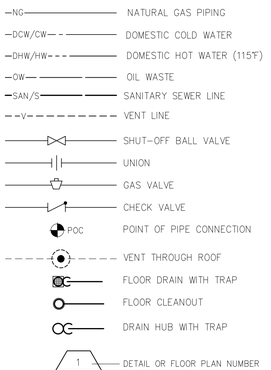
ADA ACCESS NOTES

1. TOILET FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS.
2. HOT WATER AND DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

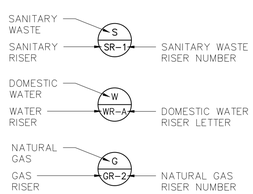
ABBREVIATIONS

DCW/CW	DOMESTIC COLD WATER
DHW/HW	DOMESTIC HOT WATER
CIRC	CIRCULATING HOT WATER
NG	NATURAL GAS
SAN/S	SANITARY SEWER
V/VT	VENT
VTR	VENT THROUGH ROOF
FCO	FLOOR CLEANOUT
WCO	WALL CLEANOUT
POC	POINT OF CONNECTION
SOV	SHUTOFF VALVE
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFG	BELOW FINISHED GRADE
CFH	CUBIC FEET PER HOUR
MEP	MECHANICAL–ELECTRICAL–PLUMBING
OW	OIL WASTE
CO	CLEAN OUT
PDI	PLUMBING DRAINAGE INSTITUTE

LEGEND



PLUMBING RISER LEGENDS



GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE SIZE AND GENERAL ARRANGEMENT OF PIPING, EQUIPMENT, ETC. EXACT LOCATIONS AND ROUTINGS SHALL BE DETERMINED IN THE FIELD BEFORE AND AS THE WORK PROGRESSES. CAREFULLY COORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES.

B. DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATION, ETC. WHICH MAY BE REQUIRED BY ACTUAL FIELD CONDITIONS. THE CONTRACTOR IS TO FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION AND MAKE SUCH CHANGES IN PIPING, EQUIPMENT LOCATIONS, ETC. AS NECESSARY TO ACCOMMODATE FIELD CONDITIONS. COORDINATE ALL CHANGES WITH OTHER TRADES AND ARCHITECT/ENGINEER.

C. ALL CUTTING AND PATCHING OF BUILDING COMPONENTS REQUIRED TO ACCOMMODATE THE WORK OF THIS CONTRACT SHALL BE THE RESPONSIBILITY OF THIS CONTRACT. ALL PATCHING SHALL MATCH THE EXISTING COMPONENTS AND FINISHES. CUTTING AND PATCHING WORK SHALL BE PERFORMED BY PERSONNEL TRAINED AND REGULARLY EMPLOYED FOR SUCH SERVICES.

D. PLUMBING CONTRACTOR TO PROVIDE ALL ACCESSORIES REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM.

PLUMBING NOTES:

A. PROVIDE FIRESTOP AROUND ALL PIPES PENETRATING FIRE RATED WALLS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE EXACT LOCATION OF FIRE WALLS WITH ARCHITECTURAL DRAWINGS.

B. COORDINATE EXACT LOCATION OF EXISTING PLUMBING SERVICES IN FIELD (NATURAL GAS, DOMESTIC WATER, SANITARY SEWER AND VENT LINES).

C. MINIMUM SANITARY SEWER LINE UNDERSLAB 3" (OR AS NOTED ON PLAN).

D. MINIMUM WATER LINE ABOVE CEILING 3/4".

E. VERTICAL DOMESTIC WATER, WASTE AND VENT PIPING ON DEMISING WALLS TO BE LOCATED IN FURRED OUT WALL.

PLUMBING SPECIFICATIONS

DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.

PLUMBING WORK SHALL BE AS INDICATED ON THE PLANS AND AS HEREIN SPECIFIED. WORK SHALL CONSIST OF PROVIDING A COMPLETE AND OPERATIONAL SYSTEM INCLUDING ALL FIXTURES, PIPING, VALVES, AND OTHER REQUIRED DEVICES, EQUIPMENT, ETC. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL STATE AND LOCAL CODE REQUIREMENTS. WHERE THERE ARE CONFLICTS BETWEEN THE PLANS, SPECIFICATIONS, AND CODE REQUIREMENTS, THE CONTRACTOR SHALL MAKE ANY ADJUSTMENTS AS REQUIRED FOR COMPLIANCE WITH ALL CODES AND FOR APPROVAL OF THE SYSTEM. THE SYSTEM SHALL EXTEND TO AND CONNECT INTO THE EXISTING PROJECT WATER AND WASTE SYSTEM AS INDICATED ON THE DRAWINGS.

WHENEVER A MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT IS IDENTIFIED ON THE DRAWINGS BY REFERENCE TO MANUFACTURERS' OR VENDORS NAMES, TRADE NAMES, CATALOG NUMBERS, OR THE LIKE, IT IS SO IDENTIFIED FOR THE PURPOSE OF ESTABLISHING A STANDARD, AND ANY MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT OF OTHER MANUFACTURERS OR VENDORS WHICH WILL PERFORM ADEQUATELY THE DUTIES IMPOSED BY THE GENERAL DESIGN WILL BE CONSIDERED EQUALLY ACCEPTABLE PROVIDED THE MATERIAL, ARTICLE OR PIECE OF EQUIPMENT SO PROPOSED IS, IN THE OPINION OF THE ARCHITECT/ENGINEER, OF EQUAL SUBSTANCE, APPEARANCE, AND FUNCTION. THE MATERIAL, ARTICLE OR PIECE OF EQUIPMENT SHALL NOT BE PURCHASED OR INSTALLED BY THE CONTRACTOR WITHOUT THE ARCHITECT'S/ ENGINEER'S WRITTEN APPROVAL.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL, SHOP DRAWINGS AND/OR MANUFACTURERS SUBMITTAL DATA WITH CAPACITY AND CHARACTERISTICS OF ALL MATERIAL AND EQUIPMENT FOR APPROVAL PRIOR TO PURCHASE AND OR INSTALLATION OF THE WORK. A MINIMUM OF FIVE (5) COPIES SHALL BE SUBMITTED. SUBMITTALS SHALL BE IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT.

THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BEGINNING WORK FOR THE PURPOSE OF OBSERVING EXISTING CONDITIONS AND TO DETERMINE THE EXTENT OF THE WORK. THE CONTRACTOR SHALL MAKE ALLOWANCES FOR PROVIDING ALL MATERIAL, EQUIPMENT, AND LABOR AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS, SPECIFICATIONS, AND ALL CODE REQUIREMENTS.

ALL WATER AND CONDENSATE PIPING SHALL BE TYPE "L" HARD COPPER WITH WROUGHT COPPER FITTINGS. JOINTS SHALL BE SOLDERED WITH LEAD FREE SOLDER. ALL EXPOSED PIPING SHALL BE CHROME PLATED. WASTE AND VENT SHALL BE SERVICE WEIGHT CAST IRON WITH EITHER NO–HUB OR "CHARLOTTE SEAL" JOINTS. NO–HUB JOINTS ARE NOT PERMITTED BELOW GRADE. ALL EQUIPMENT REQUIRING PLUMBING CONNECTIONS SHALL BE CONNECTED BY THE PLUMBER REGARDLESS OF WHO PROVIDES THE EQUIPMENT OR FIXTURE. UNDERGROUND WATER PIPING SHALL BE TYPE "K" COPPER OR SCHEDULE 40 PVC. FORCED MAINS SHALL BE PVC OR APPROVED EQUAL.

ALL COLD AND CONDENSATE WATER PIPING ABOVE GRADE SHALL BE INSULATED (HOT/CIRCULATING WATER PIPING MINIMUM 1" THICK 3 PCF DENSITY FIBERGLASS PIPE COVERING WITH VAPOR BARRIER JACKET OR AS REQUIRED BY CODE), (COLD WATER AND CONDENSATE PIPING 1/2"INSULATION UP TO 2" PIPE AND 1"INSULATION ON 2–1/2"PIPE AND ABOVE WITH 3 PCF DENSITY FIBERGLASS PIPE COVERING WITH VAPOR BARRIER JACKET OR AS REQUIRED BY CODE). ALL JOINTS SHALL BE LAPPED AND SEALED WITH AN APPROVED TYPE ADHESIVE AND END STRIPS AS RECOMMENDED BY THE INSULATION SUPPLIER AND/OR MANUFACTURER.

HORIZONTAL STORM/SEWER PIPING ABOVE GRADE SHALL BE INSULATED WITH MINIMUM 1" THICK 3 PCF DENSITY FIBERGLASS PIPE COVERING WITH VAPOR BARRIER JACKET OR AS REQUIRED BY CODE. ALL JOINTS SHALL BE LAPPED AND SEALED WITH AN APPROVED TYPE ADHESIVE AND END STRIPS AS RECOMMENDED BY THE INSULATION SUPPLIER AND/OR MANUFACTURER. (TO AVOID CONDENSATION) DRAIN HUBS TO BE INSULATED.

VACUUM BREAKERS SHALL BE PROVIDED FOR ALL HOSE CONNECTIONS AND OTHER POINTS WHERE CROSS CONTAMINATION CAN OCCUR. REDUCED PRESSURE BACKFLOW PREVENTERS SHALL BE PROVIDED WHERE REQUIRED BY CODE. ALL FIXTURES, HOSE BIBBS, FLOOR DRAINS, ETC., SHALL BE PROVIDED AS INDICATED AND SCHEDULED ON THE PLANS. THE SYSTEM SHALL BE TESTED, CLEANED, AND DISINFECTED IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.

THE ENTIRE PLUMBING SYSTEM SHALL BE UNCONDITIONALLY GUARANTEED FOR ONE (1) YEAR FROM ACCEPTANCE BY THE OWNER. ALL GUARANTEES SHALL BE WRITTEN, DATED, AND FORWARDED TO THE OWNER. ALL DEFECTIVE EQUIPMENT AND/OR MATERIAL SHALL BE REPLACED AT NO EXPENSE TO THE OWNER.

AT THE CONTRACTOR'S OPTION, PVC MAY BE UTILIZED ABOVE GRADE IN CONCEALED LOCATIONS FOR DWV SYSTEM, SUBJECT TO CODE COMPLIANCE. APPROVAL FROM OWNER/TENANT OR LOCAL INSPECTOR IS REQUIRED.

AT THE CONTRACTOR'S OPTION, PEX PIPING MAY BE UTILIZED ABOVE GRADE SUBJECT TO CODE COMPLIANCE. APPROVAL FROM OWNER/TENANT OR LOCAL INSPECTOR IS REQUIRED. PEX–A (UPONOR–PEX–A AQUAPEX TUBING), PIPING AND FITTINGS (UPONOR PROPEX F1960)

PVC/CPVC PIPING SHALL HAVE A FLAME SPREAD RATING LESS THAN 25 AND A SMOKE DEVELOPMENT RATING LESS THAN 50.

GAS PIPING – SCHEDULE 40 BLACK STEEL WITH MALLEABLE SCREWED FITTING IN SIZE UP TO 3". AND OVER 3" TO BE SCHEDULE 40 BLACK STEEL WITH WELDED FITTINGS.

NATURAL GAS PIPING – COORDINATE ALL NEW GAS LINES ROUTING PER PLANS IN FIELD. PAINT EXTERIOR GAS PIPING AND SUPPORTS TWO COATS EXTERIOR ENAMEL.

INSTALL EQUIPMENT AND PIPING TO AVOID INTERFERENCE WITH THE OPERATION OR SERVICING AND MAINTENANCE OF EQUIPMENT.

PIPES PENETRATING FIRE WALLS AND FLOORS SHALL BE FIRESTOPPED AS SPECIFIED. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIRE WALL AND FLOOR LOCATIONS.

ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY USE OF ITEMS BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.

ALL PLUMBING SERVICE PIPING USE ON PROJECT TO MEET ALL STATE AND LOCAL CODES. COORDINATE USE OF PVC PIPING ABOVE AND BELOW GRADE WITH LOCAL AUTHORITIES PRIOR TO WORK START–UP. (NATURAL GAS, WASTE, STORM, VENT, DOMESTIC HOT, COLD AND CIRCULATING WATER LINES)

NOTE:
SITE BUILDINGS WATER SERVICE, WATER METER AND BACKFLOW PREVENTER ARE LOCATED IN AIM RECYCLING WAREHOUSE ON SITE.

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CARMINA WOOD DESIGN

Schematic

AIM RECYCLING SCALE HOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

SCHEDULES AND NOTES

Date: 11/06/2026
Drawn By: KMD
Checked By: KRO

DRAWING NO.

P-100

Project No: 24-1121

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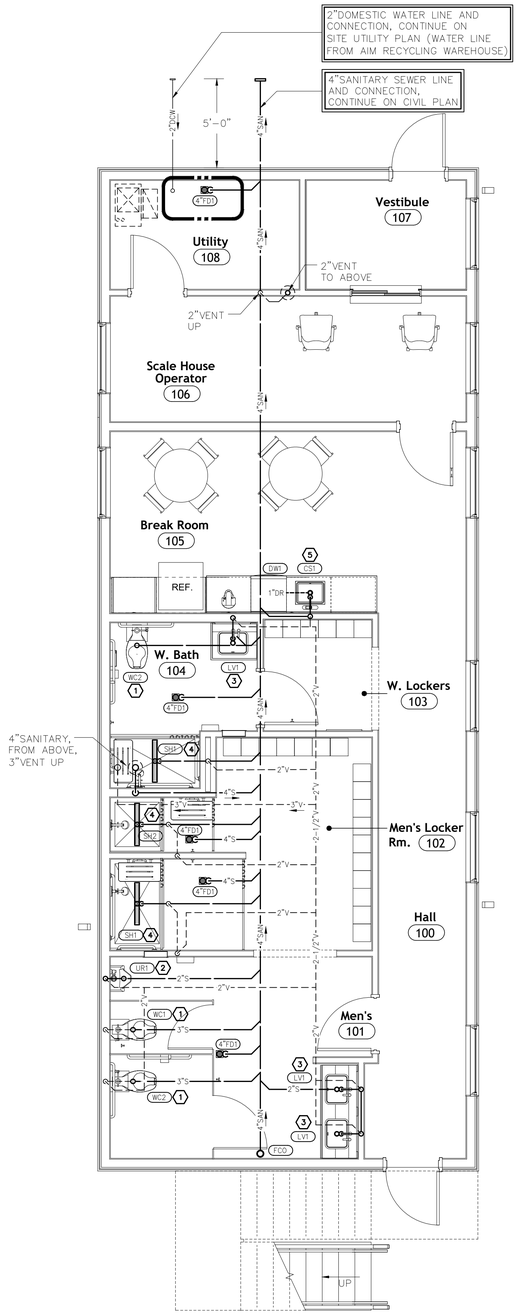
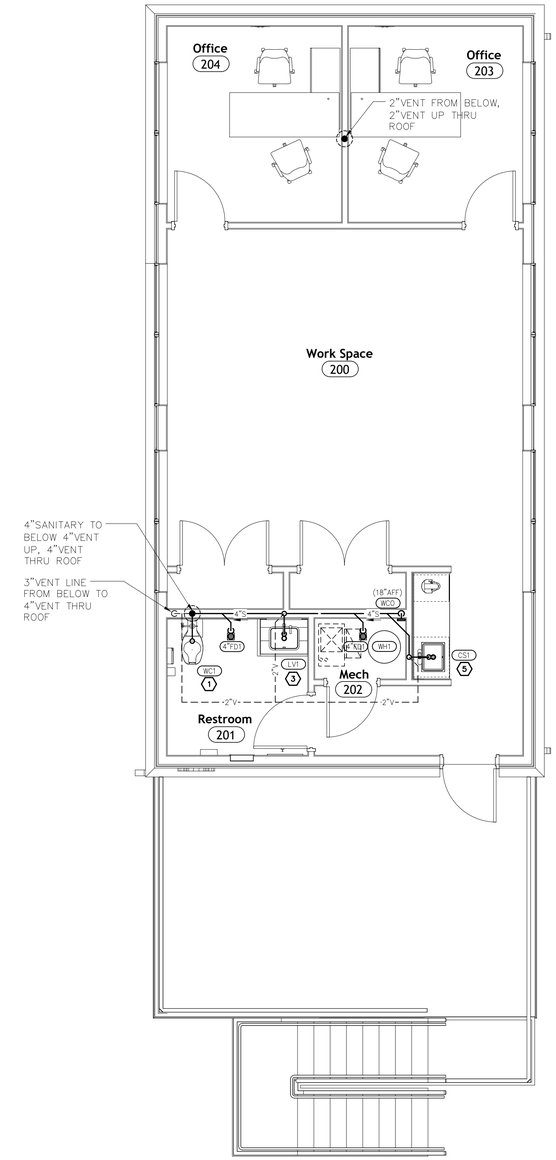


AIM RECYCLING SCALE HOUSE
1 P-101 FIRST FLOOR PLAN (SANITARY WASTE AND VENT)
SCALE: 1/4" = 1'-0"



AIM RECYCLING SCALE HOUSE
2 P-101 SECOND FLOOR PLAN (SANITARY WASTE AND VENT)
SCALE: 1/4" = 1'-0"

DRAWING NOTES
(WASTE AND VENT)

1. 3"WASTE LINE FROM WATER CLOSET (WC1/WC2).
2. 2"DRAIN, 2"VENT AND 2"WASTE WITH INTERNAL TRAP FROM URINAL (UR1).
3. 2"DRAIN, 2"VENT AND 1-1/2"DRAIN WITH TRAP FROM LAVATORY (LV1).
4. LINEAR DRAIN WITH TRAP FOR SHOWER (SH1/SH2) 2"VENT UP. (LOCATE LINEAR DRAIN PER ARCHITECTURAL PLAN WITH SLOPED FLOOR).
5. 1-1/2"DRAIN, 1-1/2"VENT AND 1-1/2"DRAIN WITH TRAP FROM COUNTER SINK (CS1).
6. 1"DRAIN FROM DISHWASHER (DW1) TO CS1 DRAIN.

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Schematic
AIM RECYCLING SCALE HOUSE
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REVISIONS:
No. Description Date



Sealed: 11/06/2026

DRAWING NAME:

FIRST & SECOND FLOOR PLANS - WASTE & VENT

Date: 11/06/2026
Drawn By: KMD
Checked By: KRO

DRAWING NO.

P-101

Project No: 24-1121

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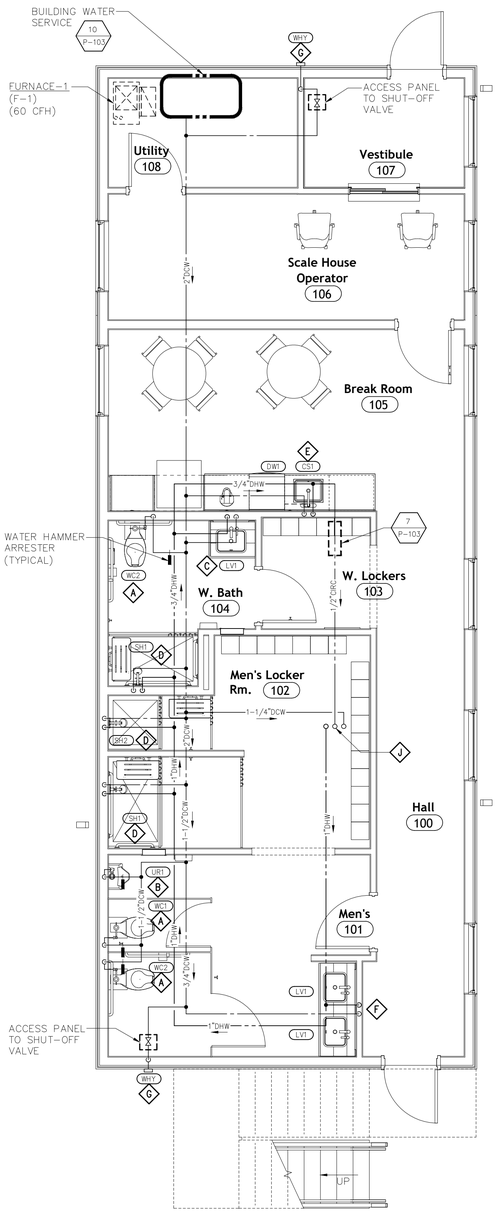
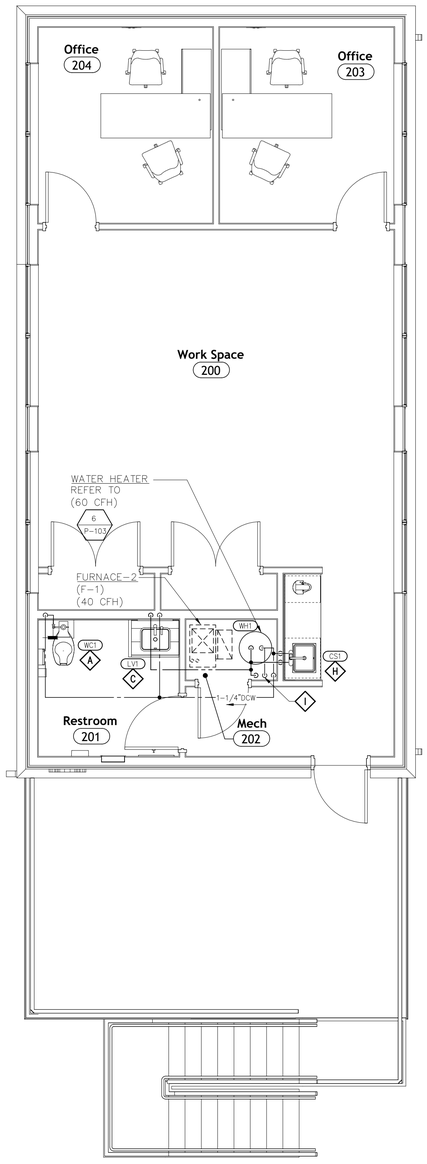


1 P-102 AIM RECYCLING SCALE HOUSE FIRST FLOOR PLAN (DOMESTIC WATER)
SCALE: 1/4" = 1'-0"



2 P-102 AIM RECYCLING SCALE HOUSE SECOND FLOOR PLAN (DOMESTIC WATER)
SCALE: 1/4" = 1'-0"

NATURAL GAS NOTES:

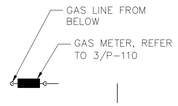
1. ALL GAS PIPING INSTALLATION SHALL MEET THE REQUIREMENTS OF THE 2009 NATIONAL FUEL GAS CODE (NFGC).
2. PROVIDE GAS VALVE, DIRT LEG, UNION AND TEST TEE AT EACH APPLIANCE UNLESS NOTED OTHERWISE.
3. PAINT ALL EXPOSED GAS PIPING WITH RUST PREVENTIVE PAINT: (1) COAT PRIMER (2) COATS YELLOW FINISH. (EXPOSED TO OUTSIDE)
4. GAS SIZING BASED ON MINIMUM GAS PRESSURE OF 7" WC DOWNSTREAM OF GAS METER WITH A PRESSURE DROP OF 0.5 AND A TOTAL LENGTH OF 100'-0".
5. REFER TO DETAILS ON DRAWING 9/P-103 FOR GAS LINE CONNECTIONS TO EQUIPMENT.
6. PLUMBING CONTRACTOR TO COORDINATE INSTALLATION OF MAIN GAS SERVICE TO BUILDING WITH GAS COMPANY. PROVIDE ALL COST FOR GAS CONNECTION FROM GAS MAIN TO GAS METER SETTING WITH PLUMBING BID. COORDINATE WITH LOCAL GAS COMPANY FOR PRICING.
7. PIPING JOINTS ABOVE GYPBOARD CEILINGS OR BEHIND GYPBOARD WALLS OR OTHER CONCEALED LOCATIONS SHALL BE WELDED. TUBE FITTINGS SHALL NOT BE INSTALLED IN CONCEALED LOCATIONS.

NATURAL GAS LOAD

EQUIPMENT	CFH
RTU-1	60.0
RTU-2	40.0
WATER HEATER (WH1)	60.0
CONNECTED EQUIPMENT UNIT (CFH INPUT)	160.0



3 P-102 NATURAL GAS RISER
SCALE: NONE



DRAWING NOTES
(DOMESTIC WATER)

A. 1"DCW TO WATER CLOSET (WC1) BELOW WITH SHUT-OFF VALVE AND WATER HAMMER ARRESTER
B. 3/4"DCW TO UR1 BELOW WITH SHUT-OFF VALVE AND WATER HAMMER ARRESTER.
C. 1/2"DCW/DHW TO LAVATORY (LV1) BELOW WITH SHUT-OFF VALVES.
D. 1/2"DCW/DHW TO SHOWER (SH1/SH2) BELOW WITH SHUT-OFF VALVES.
E. 1/2"DCW/DHW TO COUNTER SINK (CS1) BELOW WITH SHUT-OFF VALVES. 1/2"DCW TO DW1 WITH SHUT-OFF VALVE AND WATER HAMMER ARRESTER.
F. 3/4"DCW/DHW TO BELOW, 1/2"DCW/DHW TO EACH LAVATORY (LV1) WITH SHUT-OFF VALVES.
G. 1/2"DCW TO WALL HYDRANT (WHY) BELOW.
H. 1/2"DCW/DHW TO COUNTER SINK (CS1) BELOW WITH SHUT-OFF VALVES.
I. 1-1/4"DCW FROM BELOW, 1"DCW TO WATER HEATER, 1"DHW FROM WATER HEATER TO BELOW AND 1/2"CIRC LINE FROM BELOW.
J. 1-1/4"DCW TO ABOVE, 1"DHW FROM ABOVE AND 1/2"CIRC LINE TO ABOVE.

GENERAL NOTES:

AA. PROVIDE ACCESS PANELS ON ALL INACCESSIBLE VALVES AND CLEANOUTS. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION. MOUNT SHUT-OFF VALVES NO HIGHER THAN 10'-6" ABOVE FINISHED FLOOR.

CARMINA WOOD DESIGN

Schematic

AIM RECYCLING SCALE HOUSE
267 Marilla Street, Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

FIRST & SECOND FLOOR PLANS - WATER

Date: 11/06/2026
Drawn By: KMD
Checked By: KRO

DRAWING NO.

P-102

Project No: 24-1121

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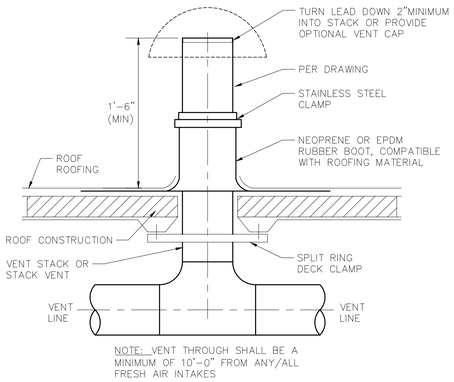
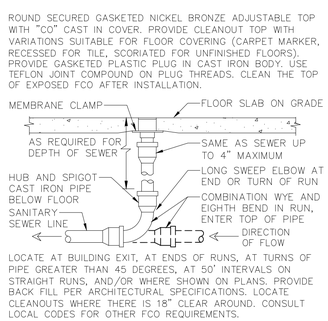
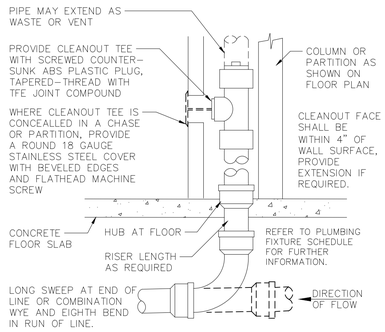


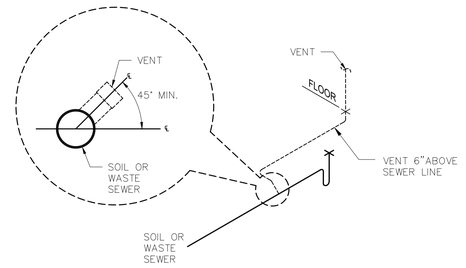
1 P-103 VENT THRU ROOF DETAIL
SCALE : NONE



2 P-103 FLOOR CLEANOUT DETAIL
SCALE : NONE

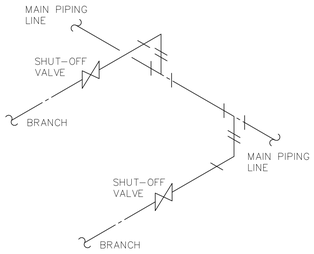


3 P-103 WALL CLEANOUT DETAIL
SCALE : NONE



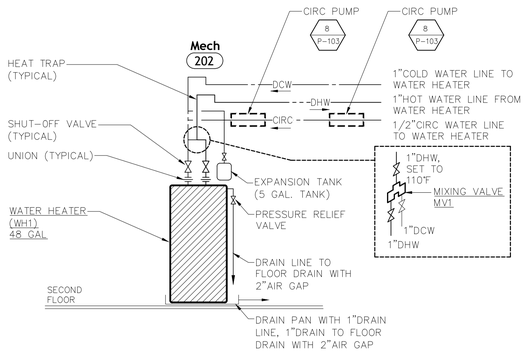
NOTE:
CONNECT VENT TO SOIL OR WASTE PIPING ABOVE CENTERLINE. UNDER SLAB HORIZONTAL CONNECTIONS OF VENT PIPING TO WASTE SEWER SYSTEM PIPELINE SHALL NOT BE ALLOWED.

4 P-103 VENT PIPE INSTALLATION
SCALE: NONE

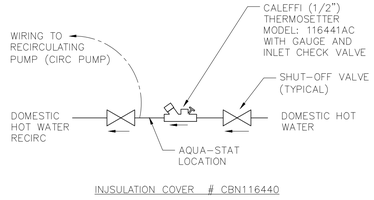


NOTE: TOP OFFSET REQUIRED ON ALL PIPING TAKEOFFS.

5 P-103 PIPING TAKE-OFF DETAIL
SCALE : NONE

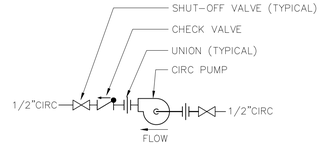


6 P-103 WATER HEATER DETAIL (WH1)
SCALE : NONE

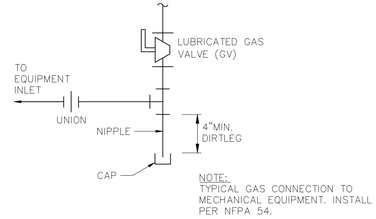


INJSULATION COVER # CBN116440

7 P-103 DOMESTIC HOT WATER RECIRC
SCALE : NONE

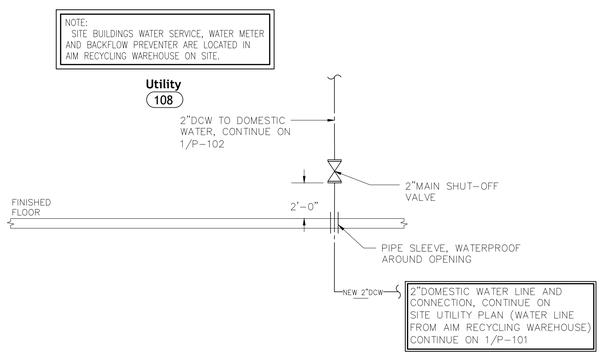


8 P-103 CIRCULATION PUMP DETAIL
SCALE: NONE



NOTE:
TYPICAL GAS CONNECTION TO MECHANICAL EQUIPMENT. INSTALL PER NFPA 54.

9 P-103 GAS CONNECTION DETAIL
SCALE: NONE



10 P-103 BUILDING WATER SERVICE
SCALE: NONE

CARMINA WOOD DESIGN

Schematic

AIM RECYCLING SCALE HOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

DETAILS

Date: 11/06/2026
Drawn By: KMD
Checked By: KRO

DRAWING NO.

P-103

Project No: 24-1121

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