AIM RECYCLING WAREHOUSE

267 Marilla Street, Buffalo, NY 14220

Mech./Elec./Plumbing/FP Engineer:

KROMAC DESIGN
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com

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:

AIM RECYCLING

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

© Carmina Wood Design

Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:14:40 PM

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING: it is a violation of article 145, section 7209(4 and 7209 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design

Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:37:01 PM

Architectural Materials

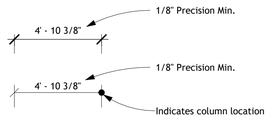
Hatch Patterns

- 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

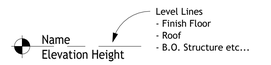
Architectural Drawing Symbols

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

Architectural Dimensions



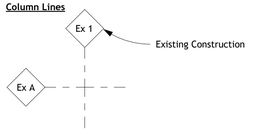
DATUM LINE



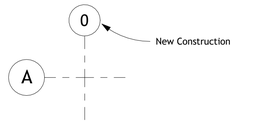
Elevation Target



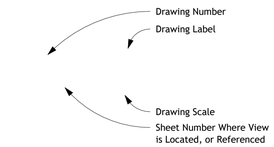
Column Lines



Column Lines



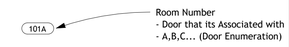
Sheet Veiw Title



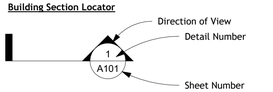
Room Tag



Door Tag



Building Section Locator



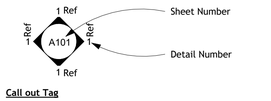
Wall Section Locator



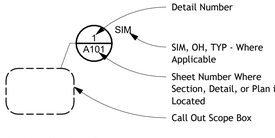
Detail Section Locator



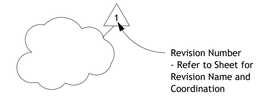
Elevation Locator



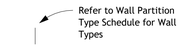
Call out Tag



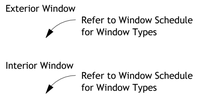
Revision Cloud and Tag



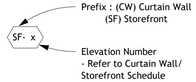
Wall Type Symbol



Window Type Symbol



Curtain Wall / Storefront Tag



Align Symbol



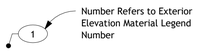
Centerline Symbol



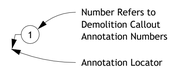
Slope Symbol



Exterior Elevation Material Keynote



Demolition Keynote



North Identifcation



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

Drawing Index - Bid Set

SHEET NUMBER	SHEET NAME	Project Issue Date	CURRENT REVISION	CURRENT REVISION DATE
C-401	Utility Details	11/06/2026		
General				
G-000	Cover Sheet	11/06/2026		
G-001	Drawing Index	11/06/2026		
Civil				
C-100	Site Plan	11/06/2026		
C-101	Site Details	11/06/2026		
C-200	Grading Plan	11/06/2026		
C-400	Utility Plan	11/06/2026		
L-100	Landscape Plan	11/06/2026		
LP-100	Lighting Plan	11/06/2026		
Code Compliance				
CC-100	Code Compliance - Floor Plans	11/06/2026		
Structural				
S-000	Structural Notes & Typical Details	11/06/2026		
S-100	Foundation Plan	11/06/2026		
S-200	Sections & Details	11/06/2026		
Architecture				
A-001	Wall Types - Non-Rated Partitions	11/06/2026		
A-101	Overall Floor Plans	11/06/2026		
A-201	Enlarged Floor Plans & Lav Details	11/06/2026		
A-300	Overall Reflected Ceiling Plans	11/06/2026		
A-400	Roof Plan	11/06/2026		
A-500	Exterior Elevations	11/06/2026		
A-501	Exterior Signage and Details	11/06/2026		
A-600	Building Sections & Details	11/06/2026		
A-601	Building Sections & Details	11/06/2026		
A-700	Door Elevations & Details	11/06/2026		
A-720	Window Schedule & Details	11/06/2026		
Interiors				
I-100	Signage Plan, Schedule & Legend	11/06/2026		
Mechanical				
M-100	Schedules and Notes	11/06/2026		
M-101	Floor Plans	11/06/2026		
M-102	Roof Plan & Specifications	11/06/2026		
Electrical				
E-100	Electrical Notes and Legends	11/06/2026		
E-101	Floor Plans - Lighting	11/06/2026		
E-102	Floor Plans - Power	11/06/2026		
E-102A	Roof Plan - Power	11/06/2026		
E-102B	Site Plan - Power	11/06/2026		
E-103	Electrical Enlarged Plans	11/06/2026		
E-104	Electrical Schedules and One-Line	11/06/2026		
E-105	Electrical Details	11/06/2026		
E-106	Electrical Details	11/06/2026		
E-107	Electrical Specifications	11/06/2026		
Plumbing				
P-100	Schedules and Specifications	11/06/2026		
P-101	First and Second Floor Plans	11/06/2026		
P-102	Roof Plan, Enlarged Floor Plans	11/06/2026		
P-103	Natural Gas Riser	11/06/2026		
P-104	Details	11/06/2026		
Fire Protection				
FP-100	Details and Specifications	11/06/2026		
FP-101	Floor Plans	11/06/2026		
Grand total: 45				



N

Project Location Map

N.T.S.

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 04/25/2025

DRAWING NAME:

Drawing Index

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

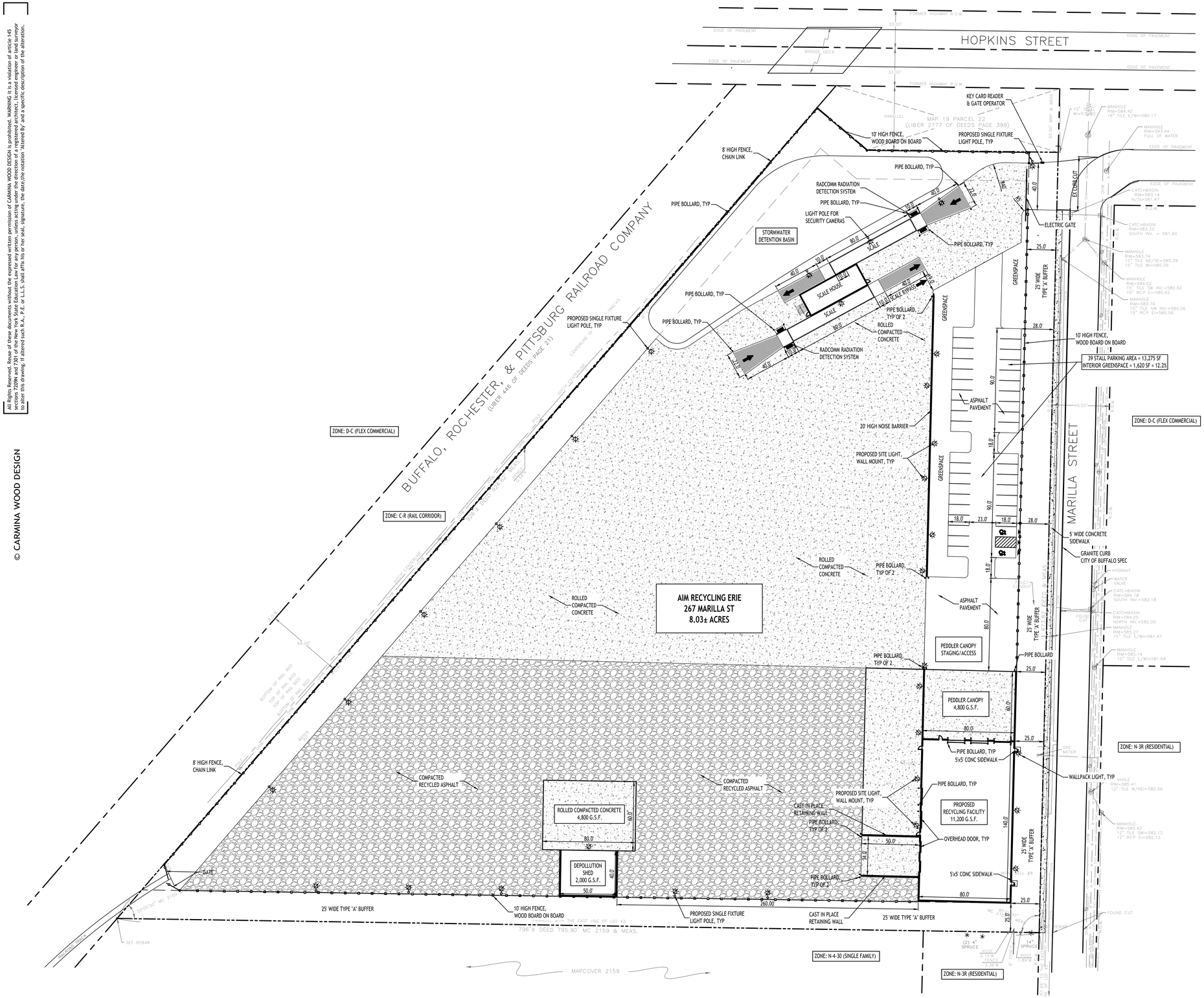
DRAWING NO.

G-001

Project No: 24-1121

© CARMINA WOOD DESIGN

All Rights Reserved. Reuse of these documents without the expressed written permission of CARMINA WOOD DESIGN is prohibited. WARNING it is a violation of article 145 sections 7209 and 7210 of the New York State Education Law for any person, unless acting under the direction of a licensed professional engineer or architect, to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered by' and a specific description of the alteration.



SITE DATA

SITE AREA = 8.03± AC = 349,787± SF
ZONED: D-C (FLEX COMMERCIAL)
BUILDING AREA: 11,200 G.S.F. (2 STORIES)
PROPOSED USE: SALVAGE/RECYCLING FACILITY

LOT DIMENSIONS	REQUIRED	PROVIDED
LOT AREA (MIN):	5,000 SF	349,787± SF
LOT WIDTH (MIN/MAX):	50'	674±
BUILDING SETBACKS		
FRONT YARD (MIN):	0'	25' MIN
CORNER SIDE YARD (MIN):	0'	N/A
INTERIOR SIDE YARD (MIN):	0'	25' MIN
REAR YARD (MIN):	0'	25' MIN
BUILDING HEIGHT		
BUILDING HEIGHT (MAX):	4 STORIES	2 STORIES
STORY HEIGHT		
FINISHED GROUND FLOOR LEVEL (MIN/MAX):	0'/4'	0' MIN
GROUND STORY HEIGHT (MIN):	13'	13' MIN
TRANSPARENCY:		
GROUND FLOOR, FRONT FACADE (MIN):	30%	0% *
GROUND FLOOR, CORNER SIDE FACADE (MIN):	25%	N/A
UPPER FLOOR, FRONT & CORNER SIDES (MIN):	20%	20% MIN
PEDESTRIAN ACCESS:		
MAIN ENTRANCE LOCATION (PREFERRED):	FRONT FACADE	REAR

NOTE: AREA VARIANCES HAVE BEEN REQUESTED OF BY THE ZONING BOARD OF APPEALS FOR:
- * GROUND FLOOR, FRONT FACADE TRANSPARENCY TO ALLOW 0%
- * FENCE OR WALL(NOISE BARRIER) MAX HEIGHT TO ALLOW 20FT

NOTES:

1. ALL RADII SHALL BE 3'-0" UNLESS OTHERWISE NOTED.
2. ALL DISTURBED AREAS: SHALL HAVE 4" MIN. OF TOPSOIL AND SEED.
3. ALL DIMENSIONS FROM PROPERTY LINES SHALL BE MEASURED PERPENDICULAR TO THE PROPERTY LINE.
4. CENTER ENTRANCE SIDEWALKS ON DOOR OPENINGS.
5. BUILDING DIMENSIONS ARE APPROXIMATE, REFER TO ARCHITECTURAL DRAWINGS FOR LAYOUT DIMENSIONS.
6. ALL HANDICAPPED RAMPS OR SIDEWALKS THAT ARE FLUSH SHALL HAVE ADA COMPLIANT TACTILE WARNING STRIPS WHERE ENTERING PARKING AREAS/DRIVEWAYS.

GENERAL NOTES:

1. INSTALL ALL MATERIALS TO MANUFACTURER'S RECOMMENDATIONS AND BEST STANDARDS OF TRADE INVOLVED.
2. SUBSTITUTIONS SHALL BE MADE ONLY WITH OWNER'S APPROVAL AND BE OF EQUIVALENT QUALITY TO WHAT IS SPECIFIED.
3. WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND OSHA SAFETY RULES AND REGULATIONS.
4. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE. NOTIFY OWNER & ENGINEER OF DISCREPANCIES IN CONDITIONS SHOWN ON DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ANY EXISTING STRUCTURES TO REMAIN AND ANY FINISH MATERIAL INSTALLED WHILE WORKING ON OTHER COMPONENTS.
6. CONTRACTOR SHALL KEEP JOB FREE OF DEBRIS AND MAKE FINAL CLEANUP TO SATISFACTION OF OWNER.
7. CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION SO THAT THIS WORK WILL NOT DISTURB EXISTING LINES AND/OR INSTALLATIONS. COORDINATE ALL WORK WITH THE APPLICABLE UTILITY COMPANIES.
8. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS NECESSARY TO PERFORM THE WORK.

SITE LEGEND

- PROPERTY LINE
- PROPOSED CONCRETE CURB
- PROPOSED CONCRETE SIDEWALK
- PROPOSED SIGN
- PROPOSED PARKING NUMBER (27)
- PROPOSED LIGHT POLE FOUNDATION
- PROPOSED WALL-MOUNTED LIGHT

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40 0 40 80Ft.

N

SITE PLAN

SCALE: 1"=40'

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

AIM RECYCLING USA

Proposed Recycling Facility

AIM RECYCLING

267 Marilla Street
Buffalo, New York 14220
Tax SBL:133.17-1-4 (207 Marilla St)

REVISIONS:

No.	Description	Date

PRELIMINARY
NOT FOR CONSTRUCTION
07.29.2026

DRAWING NAME:
Concept Site Plan

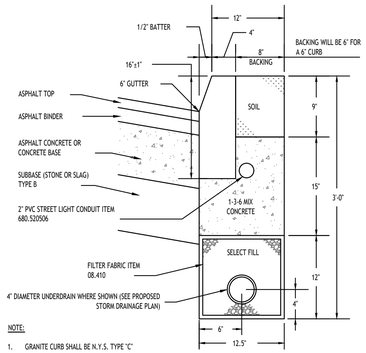
Date: 11.06.2026
Drawn By: JP
Checked By: 1:40

DRAWING NO.
C-100

Project No: 24-1121

All Rights Reserved. Reuse of these documents without the expressed written permission of CARMINA WOOD DESIGN is prohibited. WARNING it is a violation of article 145 section 7209 of the New York State Education Law for any person, unless acting under the direction of a licensed professional engineer or licensed architect, to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered by' and a specific description of the alteration.

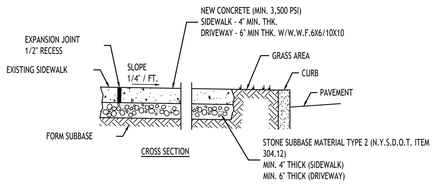
© CARMINA WOOD DESIGN



NOTE:

1. GRANITE CURB SHALL BE N.Y.S. TYPE "C" CURB.
2. REFERENCE CITY OF BUFFALO DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING SS-1.

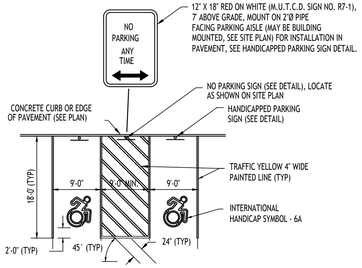
GRANITE CURB (CITY OF BUFFALO DETAIL: N.T.S.)



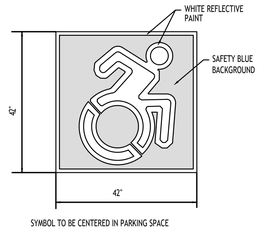
NOTES:

1. CONTROL JOINTS TO BE AT 5'-0" O.C., BOTH WAYS WHERE APPLICABLE. SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYSDOT 702-0700.
2. CONCRETE SIDEWALK AND DRIVEWAY MATERIAL SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 501 AND CONSTRUCTION METHODS SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 608-3.
3. SUBBASE GRADE SHALL FOLLOW THE PROPOSED GRADE OF THE SIDEWALK AND SLOPE AWAY FROM BUILDING WHERE APPLICABLE, PROVIDE CONTINUOUS STONE PATH TO CURB UNDERDRAIN WHERE PROVIDED.
4. FULL DEPTH EXPANSION JOINTS SHALL BE INSTALLED EVERY 20' O.C., BOTHWAYS WHERE APPLICABLE. SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYSDOT 702-0700.
5. SEE CURB DETAIL FOR DOWLING REQUIREMENTS WHERE ABUTTING CURB.
6. INSTALL 6' LONG #3 DOWELS @ 12" O.C. WHERE SIDEWALK ABUTS A BUILDING WALL AT AN ENTRANCE, THICKEN SIDEWALK TO 6' AT BUILDING WALL AND INSTALL DOWEL CENTERED IN THE 6' DEPTH. DOWELS AND THICKENING OF SIDEWALK SHALL EXTEND 18" EITHER SIDE OF ENTRANCE.
7. INSTALL 1/2" PREMOLDED EXPANSION JOINT WITH BACKER ROD & SEALANT WHERE SIDEWALK ABUTS BUILDING OR OTHER STRUCTURE.

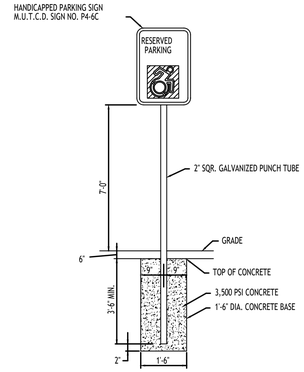
CONCRETE SIDEWALK



HANDICAPPED PAVEMENT MARKINGS & SIGNAGE



INTERNATIONAL HANDICAP SYMBOL

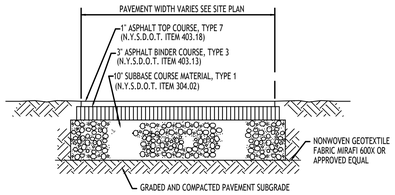


NOTES:

1. HANDICAPPED PARKING SIGN SHALL CONFORM WITH CURRENT STATE AND LOCAL CODES AND REGULATIONS.

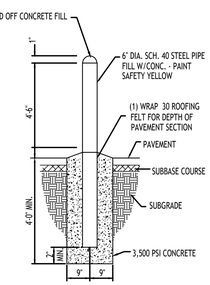
HANDICAP PARKING SIGNS

INSTALLED IN GRASS/LANDSCAPED AREA

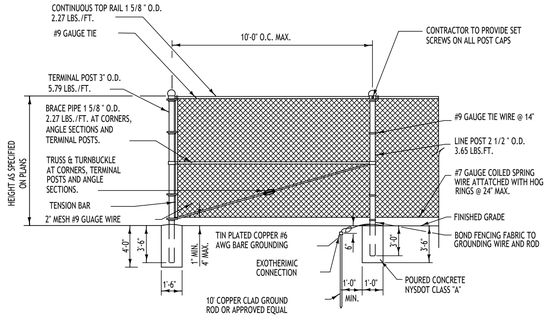


NOTE: CONSTRUCTION METHODS FOR ASPHALT PAVEMENT SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 401-3, WITH SUBBASE CONSTRUCTION METHODS CONFORMING TO NYSDOT STANDARD SPECIFICATION 304-3.

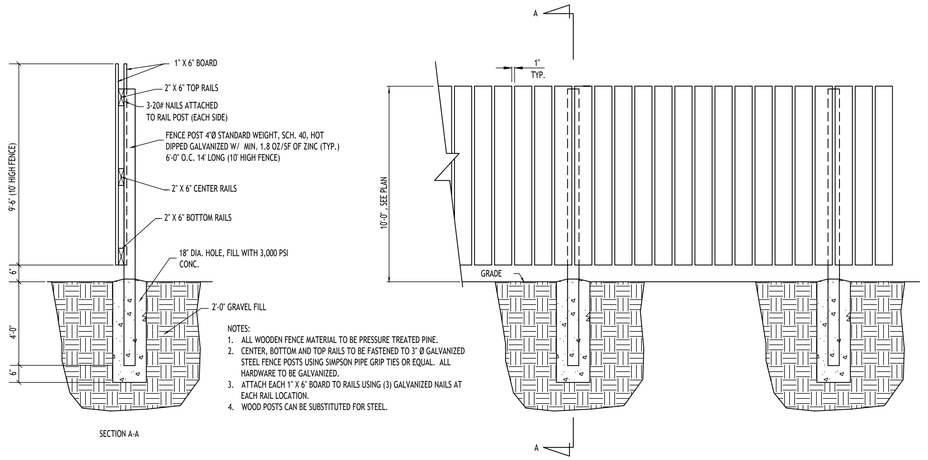
HEAVY DUTY ASPHALT SECTION



PIPE BOLLARD



CHAIN LINK FENCE DETAIL



NOTES:

1. ALL WOODEN FENCE MATERIAL TO BE PRESSURE TREATED PINE.
2. CENTER, BOTTOM AND TOP RAILS TO BE FASTENED TO 3" Ø GALVANIZED STEEL FENCE POSTS USING SIMPSON PIPE GRIP TIES OR EQUAL. ALL HARDWARE TO BE GALVANIZED.
3. ATTACH EACH 1" X 6" BOARD TO RAILS USING (3) GALVANIZED NAILS AT EACH RAIL LOCATION.
4. WOOD POSTS CAN BE SUBSTITUTED FOR STEEL.

BOARD ON BOARD FENCE

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Proposed Recycling Facility
AIM RECYCLING
267 Marilla Street
Buffalo, New York 14220
Tax SBL:133.17-1-4 (207 Marilla St)

REVISIONS:

No.	Description	Date

PRELIMINARY
NOT FOR CONSTRUCTION
07.29.2026

DRAWING NAME:
Site Details

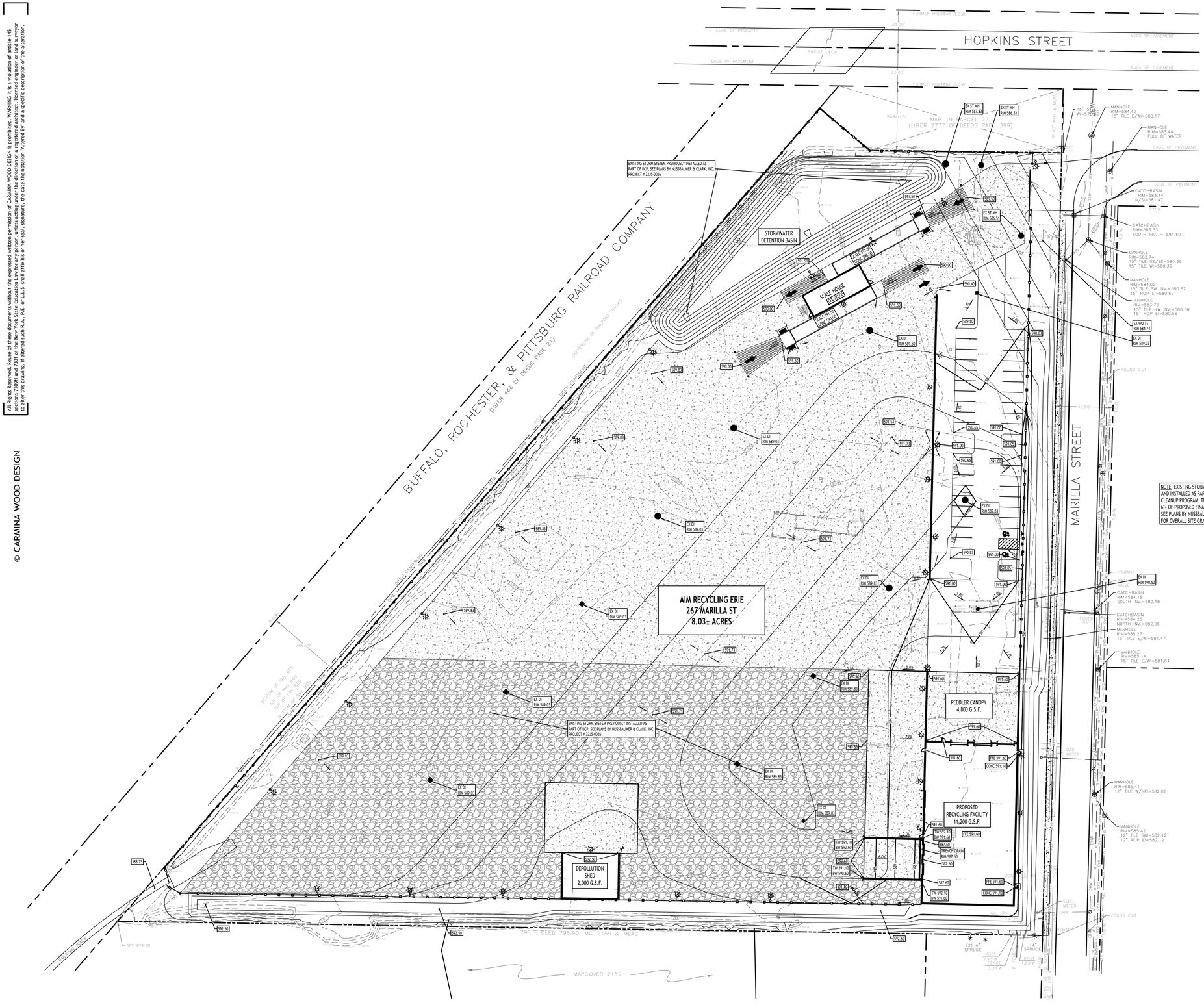
Date: 11.06.2026
Drawn By: JP
Checked By:

DRAWING NO.
C-101

Project No: 24-1121

© CARMINA WOOD DESIGN

All Rights Reserved. Reuse of these documents without the expressed written permission of CARMINA WOOD DESIGN is prohibited. WARNING: It is a violation of article 145 section 7209 sub 2 of the N.Y.S. Education Law for any person, unless acting under the direction of a licensed professional engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.



PROPOSED GRADING LEGEND

PROPOSED CONTOUR	101
PROPOSED SPOT ELEVATION	100.80
PROPOSED TOP/BOTTOM OF CURB ELEV.	TC 100.50 / BC 100.00
PROPOSED CATCH BASIN	CB
PAVEMENT/GROUND SLOPE	
PROPOSED YARD DRAIN	YD
PROPOSED MANHOLE	MH

SITE PLAN

SCALE: 1"=40'

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40 0 40 80Ft.

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Proposed Recycling Facility
AIM RECYCLING
267 Marilla Street
Buffalo, New York 14220
Tax SBL:133.17-1-4 (207 Marilla St)

REVISIONS:

No.	Description	Date

PRELIMINARY
NOT FOR CONSTRUCTION
07.29.2026

DRAWING NAME:
Grading Plan

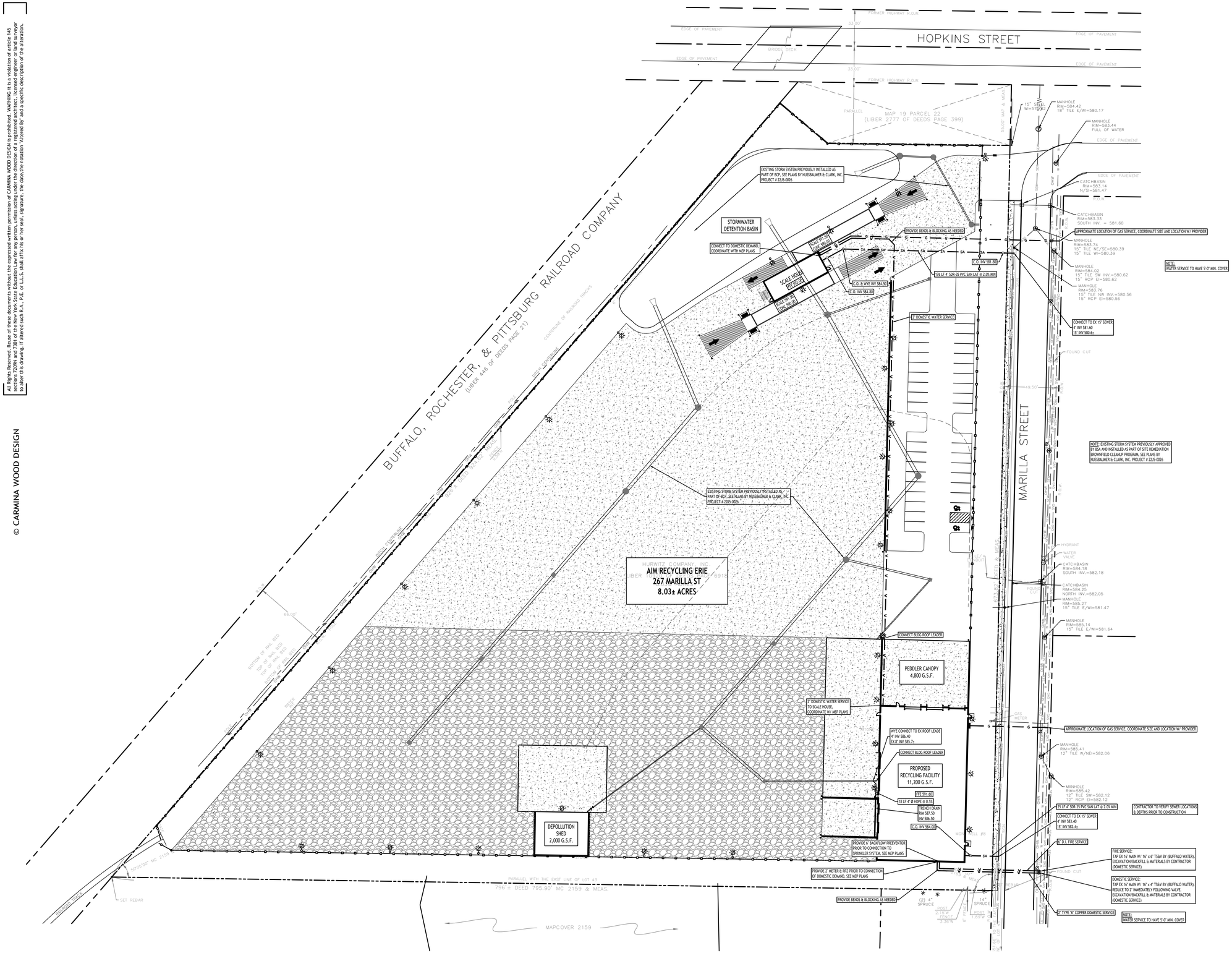
Date: 11.06.2026
Drawn By: JP
Checked By: 1:40

DRAWING NO.
C-200

Project No: 24-1121

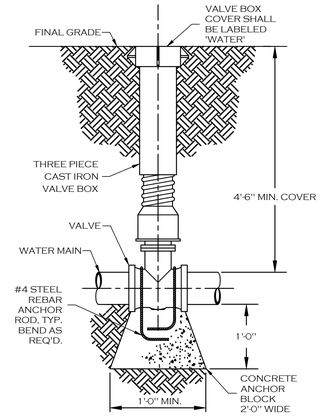
© CARMINA WOOD DESIGN

All Rights Reserved. Reuse of these documents without the expressed written permission of CARMINA WOOD DESIGN is prohibited. WARNING: It is a violation of article 145 section 7209 sub 2 of the New York State Education Law for any person, unless acting under the direction of a licensed engineer, architect, landscape architect or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

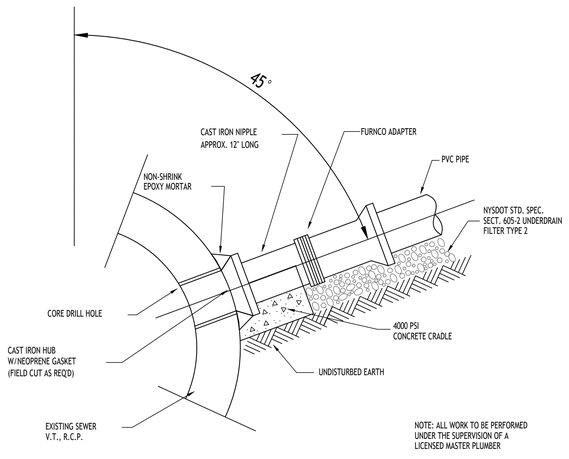

HOPKINS STREET
FORMER HIGHWAY R.O.W.
EDGE OF PAVEMENT
BRIDGE DECK
33.00'
PARALLEL
MAP 19 PARCEL 22
(LIBER 2777 OF DEEDS PAGE 399)
BUFFALO, ROCHESTER, & PITTSBURG RAILROAD COMPANY
(LIBER 446 OF DEEDS PAGE 21)
CENTERLINE OF RAILROAD TRACKS
MARILLA STREET
AIM RECYCLING ERIE
267 MARILLA ST
8.03± ACRES
STORMWATER DETENTION BASIN
EXISTING STORM SYSTEM PREVIOUSLY INSTALLED AS PART OF RCP. SEE PLANS BY NUSSBAUMER & CLARK, INC. PROJECT # 22J5-0026
CONNECT TO DOMESTIC DEMAND, COORDINATE WITH MEP PLANS
SCALE HOUSE
175 LF 4" SDR-35 PVC SAN LAT @ 2.0% MIN
C.O. INV 581.80
C.O. S WYE INV 584.50
C.O. INV 584.80
4" DOMESTIC WATER SERVICE
PROVIDE BENDS & BLOCKING AS NEEDED
NOTE: EXISTING STORM SYSTEM PREVIOUSLY APPROVED BY BSA AND INSTALLED AS PART OF SITE REMEDIATION BROWNFIELD CLEANUP PROGRAM, SEE PLANS BY NUSSBAUMER & CLARK, INC. PROJECT # 22J5-0026
MANHOLE RIM=584.42 18" TILE E/WI=580.17
MANHOLE RIM=583.44 FULL OF WATER
CATCHBASIN RIM=583.14 N/SW=581.47
CATCHBASIN RIM=583.33 SOUTH INV. = 581.60
APPROXIMATE LOCATION OF GAS SERVICE, COORDINATE SIZE AND LOCATION W/ PROVIDER
MANHOLE RIM=583.74 15" TILE NE/SE=580.39 15" TILE W=580.39
MANHOLE RIM=584.02 15" TILE SW INV.=580.62 15" RCP EI=580.62
MANHOLE RIM=583.76 15" TILE NW INV.=580.56 15" RCP EI=580.56
NOTE: WATER SERVICE TO HAVE 5'-0" MIN. COVER
CONNECT TO EX 15" SEWER 4" INV 581.60 15" INV 580.6±
FOUND CUT
EXISTING STORM SYSTEM PREVIOUSLY INSTALLED AS PART OF RCP. SEE PLANS BY NUSSBAUMER & CLARK, INC. PROJECT # 22J5-0026
HISTORIC PROPERTY LINE
LIBER 446 OF DEEDS PAGE 219
CONNECT BLDG ROOF LEADER
PEDDLER CANOPY 4,800 G.S.F.
4" DOMESTIC WATER SERVICE TO SCALE HOUSE, COORDINATE W/ MEP PLANS
WYE CONNECT TO EX ROOF LEADE 4" INV 586.40 EX E INV 585.7±
PROPOSED RECYCLING FACILITY 11,200 G.S.F.
FFE 591.60
18 LF 4" @ HDPE @ 0.5%
TRENCH DRAIN RIM 587.50 INV 586.50
C.O. INV 584.00
DEPOLLUTION SHED 2,000 G.S.F.
PROVIDE 6" BACKFLOW PREVENTOR PRIOR TO CONNECTION TO SPRINKLER SYSTEM, SEE MEP PLANS
PROVIDE 2" METER & RPZ PRIOR TO CONNECTION OF DOMESTIC DEMAND, SEE MEP PLANS
PROVIDE BENDS & BLOCKING AS NEEDED
25 LF 4" SDR-35 PVC SAN LAT @ 2.0% MIN
CONNECT TO EX 15" SEWER 4" INV 583.40 15" INV 582.4±
CONTRACTOR TO VERIFY SEWER LOCATIONS & DEPTHS PRIOR TO CONSTRUCTION
6" D.I. FIRE SERVICE
FIRE SERVICE: TAP EX 16" MAIN W/ 16" x 6" TSSV BY (BUFFALO WATER) EXCAVATION/BACKFILL & MATERIALS BY CONTRACTOR (DOMESTIC SERVICE)
DOMESTIC SERVICE: TAP EX 16" MAIN W/ 16" x 4" TSSV BY (BUFFALO WATER) REDUCE TO 2" IMMEDIATELY FOLLOWING VALVE. EXCAVATION/BACKFILL & MATERIALS BY CONTRACTOR (DOMESTIC SERVICE)
2" TYPE 'K' COPPER DOMESTIC SERVICE
NOTE: WATER SERVICE TO HAVE 5'-0" MIN. COVER
HYDRANT
WATER VALVE
CATCHBASIN RIM=584.18 SOUTH INV.=582.18
CATCHBASIN RIM=584.25 NORTH INV.=582.05
MANHOLE RIM=585.27 15" TILE E/WI=581.47
MANHOLE RIM=585.14 15" TILE E/W=581.64
GAS METER
MANHOLE RIM=585.41 12" TILE W/NE=582.06
MANHOLE RIM=585.42 12" TILE SW=582.12 12" RCP EI=582.12
MH #8
GV 4" SPRUCE
POST 2.15'W FENCE 4.30'W
POST 1.85'W
14" SPRUCE
PARALLEL WITH THE EAST LINE OF LOT 43
796.5' DEED 795.00' MC 2159 & MEAS.
MAPCOVER 2159
SET REBAR
S07°05'06"E MC 2159
66.00'
BOTTOM OF RAIL BED
TOP OF RAIL BED
BOTTOM OF RAIL BED
TOP OF RAIL BED
49.50'
49.50'
49.50'

All Rights Reserved. Reuse of these documents without the expressed written permission of CARMINA WOOD DESIGN is prohibited. WARNING: It is a violation of article 145 of section 7209 sub 2 of the New York State Education Law for any person, unless acting under the direction of a registered architect or licensed engineer to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© CARMINA WOOD DESIGN

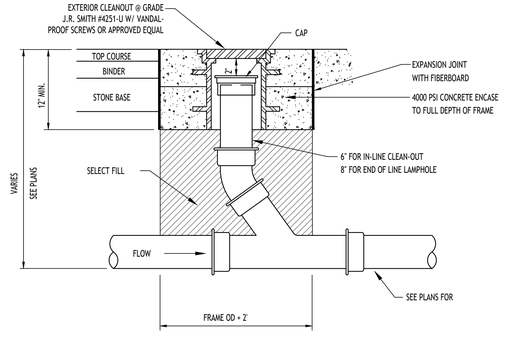


TYPICAL GATE VALVE DETAIL



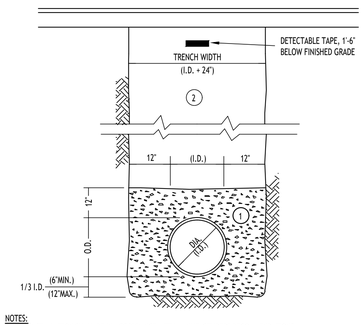
TYPICAL CONNECTION TO EXISTING SEWER

(CITY OF BUFFALO DETAIL) NOT TO SCALE



LAMPHOLE/CLEANOUT IN PAVEMENT/SIDEWALK

NOT TO SCALE



NOTES:
A. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
B. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
C. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.
D. AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.

MATERIALS

PIPE BEDDING MATERIAL (NYSDOT 1985 EDITION)

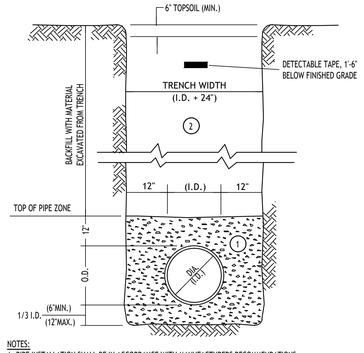
(1) NO. 1 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYSDOT SECTION 703-02. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL (1)

(2) TYPE 2 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYSDOT SECTION 304-2.02 TYPE 2. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN TWO INCHES AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL (2)

UTILITY TRENCH SECTION IN PAVED AREAS



NOTES:
A. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
B. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
C. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.
D. AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.

MATERIALS

PIPE BEDDING MATERIAL (NYSDOT 1985 EDITION)

(1) NO. 1 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYSDOT SECTION 703-02. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL (1)

(2) BACKFILL MATERIAL SHALL BE NATIVE SOIL CONTAINING NO UNSUITABLE MATERIAL, COMPACTED IN 6" LIFTS.

UTILITY TRENCH SECTION IN UNPAVED AREAS

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Proposed Recycling Facility
AIM RECYCLING
267 Marilla Street
Buffalo, New York 14220
Tax SBL:133.17-1-4 (207 Marilla St)

REVISIONS:
No. Description Date

PRELIMINARY
NOT FOR CONSTRUCTION
07.29.2026

DRAWING NAME:
Utility Details

Date: 11.06.2026
Drawn By:
Checked By:

DRAWING NO.
C-401

Project No: 24-1121

All Rights Reserved. Reuse of these documents without the expressed written permission of CARMINA WOOD DESIGN is prohibited. WARNING It is a violation of article 145 section 7209 of the NYS Education Law for any person, unless they shall be acting under the direction of a licensed professional engineer or licensed architect, to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

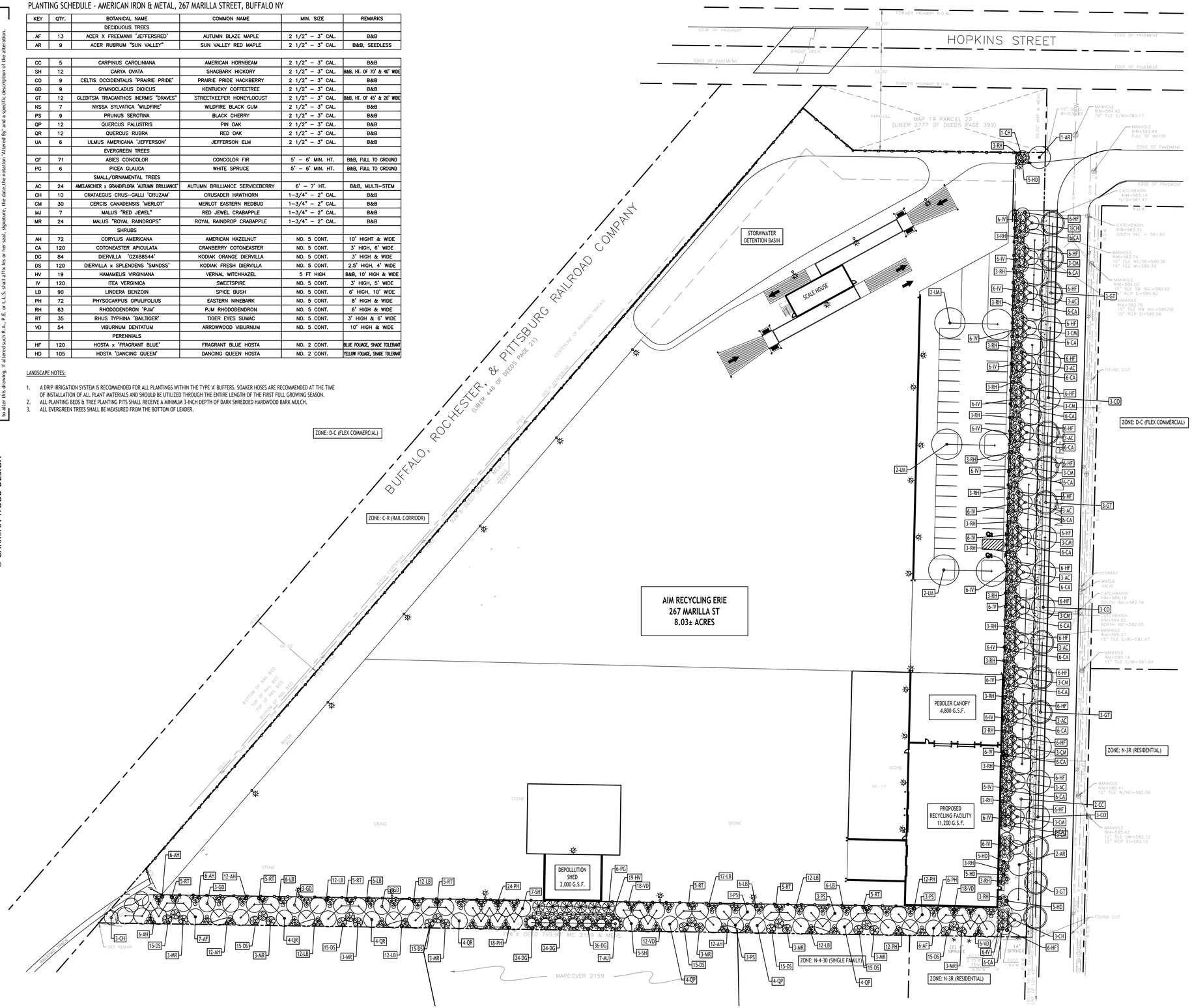
© CARMINA WOOD DESIGN

PLANTING SCHEDULE - AMERICAN IRON & METAL, 267 MARILLA STREET, BUFFALO NY

KEY	QTY.	BOTANICAL NAME	COMMON NAME	MIN. SIZE	REMARKS
		DECIDUOUS TREES			
AF	13	ACER X FREEMANII 'JEFFERSRED'	AUTUMN BLAZE MAPLE	2 1/2" – 3" CAL.	B&B
AR	9	ACER RUBRUM 'SUN VALLEY'	SUN VALLEY RED MAPLE	2 1/2" – 3" CAL.	B&B, SEEDLESS
CC	5	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	2 1/2" – 3" CAL.	B&B
SH	12	CARYA OVATA	SHAGBARK HICKORY	2 1/2" – 3" CAL.	B&B, HT. OF 70' & 40' WIDE
CO	9	CELTIS OCCIDENTALIS 'PRAIRIE PRIDE'	PRAIRIE PRIDE HACKBERRY	2 1/2" – 3" CAL.	B&B
GD	9	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	2 1/2" – 3" CAL.	B&B
GT	12	GLEDITSIA TRIACANTHOS INERMIS 'DRAVES'	STREETKEEPER HONEYLOCUST	2 1/2" – 3" CAL.	B&B, HT. OF 45' & 20' WIDE
NS	7	NYSSA SYLVATICA 'WILDFIRE'	WILDFIRE BLACK GUM	2 1/2" – 3" CAL.	B&B
PS	9	PRUNUS SEROTINA	BLACK CHERRY	2 1/2" – 3" CAL.	B&B
QP	12	QUERCUS PALUSTRIS	PIN OAK	2 1/2" – 3" CAL.	B&B
QR	12	QUERCUS RUBRA	RED OAK	2 1/2" – 3" CAL.	B&B
UA	6	ULMUS AMERICANA 'JEFFERSON'	JEFFERSON ELM	2 1/2" – 3" CAL.	B&B
		EVERGREEN TREES			
CF	71	ABIES CONCOLOR	CONCOLOR FIR	5' – 6' MIN. HT.	B&B, FULL TO GROUND
PG	6	PICEA GLAUCA	WHITE SPRUCE	5' – 6' MIN. HT.	B&B, FULL TO GROUND
		SMALL/ORNAMENTAL TREES			
AC	24	AMELANCHIER x GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	6" – 7" HT.	B&B, MULTI-STEM
CH	10	CRATAEGUS CRUS-GALLI 'CRUZAM'	CRUSADER HAWTHORN	1-3/4" – 2" CAL.	B&B
CM	30	CERCIS CANADENSIS 'MERLOT'	MERLOT EASTERN REDBUD	1-3/4" – 2" CAL.	B&B
MJ	7	MALUS 'RED JEWEL'	RED JEWEL CRABAPPLE	1-3/4" – 2" CAL.	B&B
MR	24	MALUS 'ROYAL RAINDROPS'	ROYAL RAINDROP CRABAPPLE	1-3/4" – 2" CAL.	B&B
		SHRUBS			
AH	72	CORYLUS AMERICANA	AMERICAN HAZELNUT	NO. 5 CONT.	10' HIGHT & WIDE
CA	120	COTONEASTER APICULATA	CRANBERRY COTONEASTER	NO. 5 CONT.	3' HIGH, 6' WIDE
DG	84	DIERVILLA 'G2X88544'	KODIAK ORANGE DIERVILLA	NO. 5 CONT.	3' HIGH & WIDE
DS	120	DIERVILLA x SPLENDENS 'SMNDSS'	KODIAK FRESH DIERVILLA	NO. 5 CONT.	2.5' HIGH, 4' WIDE
HV	19	HAMAMELIS VIRGINIANA	VERNAL WITCHHAZEL	5 FT HIGH	B&B, 10' HIGH & WIDE
IV	120	ITEA VERGINICA	SWEETSPIRE	NO. 5 CONT.	3' HIGH, 5' WIDE
LB	90	LINDERA BENZOIN	SPICE BUSH	NO. 5 CONT.	6' HIGH, 10' WIDE
PH	72	PHYSOCARPUS OPULIFOLIUS	EASTERN NINEBARK	NO. 5 CONT.	8' HIGH & WIDE
RH	63	RHODODENDRON 'PJM'	PJM RHODODENDRON	NO. 5 CONT.	6' HIGH & WIDE
RT	35	RHUS TYPHINA 'BAILTIGER'	TIGER EYES SUMAC	NO. 5 CONT.	3' HIGH & 6' WIDE
VD	54	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	NO. 5 CONT.	10' HIGH & WIDE
		PERENNIALS			
HF	120	HOSTA x 'FRAGRANT BLUE'	FRAGRANT BLUE HOSTA	NO. 2 CONT.	BLUE FOLIAGE, SHADE TOLERANT
HD	105	HOSTA 'DANCING QUEEN'	DANCING QUEEN HOSTA	NO. 2 CONT.	YELLOW FOLIAGE, SHADE TOLERANT

LANDSCAPE NOTES:

1. A DRIP IRRIGATION SYSTEM IS RECOMMENDED FOR ALL PLANTINGS WITHIN THE TYPE 'A' BUFFERS. SOAKER HOSES ARE RECOMMENDED AT THE TIME OF INSTALLATION OF ALL PLANT MATERIALS AND SHOULD BE UTILIZED THROUGH THE ENTIRE LENGTH OF THE FIRST FULL GROWING SEASON.
2. ALL PLANTING BEDS & TREE PLANTING PITS SHALL RECEIVE A MINIMUM 3-INCH DEPTH OF DARK SHREDDED HARDWOOD BARK MULCH.
3. ALL EVERGREEN TREES SHALL BE MEASURED FROM THE BOTTOM OF LEADER.

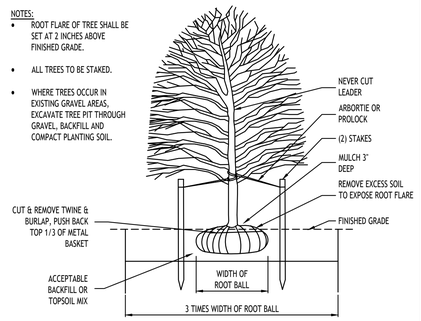


SITE PLAN

SCALE: 1"=40'

NOTES:

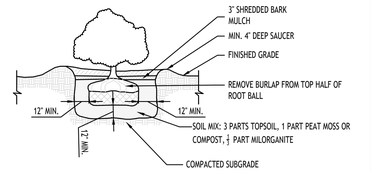
- ROOT FLARE OF TREE SHALL BE SET AT 2 INCHES ABOVE FINISHED GRADE.
- ALL TREES TO BE STAKED.
- WHERE TREES OCCUR IN EXISTING GRAVEL AREAS, EXCAVATE TREE PIT THROUGH GRAVEL, BACKFILL AND COMPACT PLANTING SOIL.



DECIDUOUS TREE PLANTING W/STAKES

(CITY OF BUFFALO TREE PLANTING DETAIL)

N.T.S.



SHRUB PLANTING DETAIL

N.T.S.

LANDSCAPE NOTES:

1. ALL PLANTS INSTALLED SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS NOTED ON THE PLANS AND IN THE LATEST EDITION ON THE AMERICAN STANDARD FOR NURSERY STOCK, BY THE AMERICAN ASSOCIATION OF NURSERYMEN, ANSI Z60.1
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY TAKEOFF, THE QUANTITIES SHOWN ARE A MINIMUM AND ARE FOR REFERENCE ONLY.
3. THE CONTRACTOR SHALL PERFORM A ROUGH FIELD STAKEOUT OF ALL PLANTING MATERIAL LOCATIONS AND CONTACT THE OWNERS FIELD REPRESENTATIVE PRIOR TO ACTUAL INSTALLING. THE PLANTING MATERIAL LOCATIONS SHOWN ON THE PLANS ARE TO CONVEY THE DESIGN INTENT ONLY, ACTUAL LOCATIONS WILL BE FINALIZED BY THE OWNERS FIELD REPRESENTATIVE AT THE TIME OF INSTALLATION.
4. THE CONTRACTOR IS HEREBY NOTIFIED THAT IF UNDERGROUND UTILITIES EXIST IN THE VICINITY OF THE PLANTINGS, ALL PROPOSED PLANTINGS SHALL BE INSTALLED A MINIMUM OF 5' FROM ANY UNDERGROUND UTILITY, CONTACT THE OWNERS FIELD REPRESENTATIVE IF PLANTINGS SHOWN ON THE PLANS VIOLATE THIS SITUATION.
5. ALL TREES SHALL BE INSTALLED A MINIMUM OF 20' FROM ANY OVERHEAD ELECTRIC LINES.
6. PLANTING BACKFILL MIXTURE SHALL CONSIST OF 3 PARTS TOPSOIL, 1 PART PEAT MOSS, ½ PART MILORGANITE.
7. STAKE TREES IMMEDIATELY FOLLOWING INSTALLATION.
8. ALL PLANTED AREAS SHALL RECEIVE A 3" LAYER OF SHREDDED HARDWOOD BARK MULCH WITH 'PREEN'.
9. ALL DISTURBED AREAS NOT RECEIVING PLANTINGS (INCLUDING RIGHT-OF-WAYS) SHALL BE SEEDED.
10. THE AREAS ON THE PLAN TO BE SEEDED SHALL HAVE 4" MINIMUM OF TOPSOIL, DISK PLOWED, LEVELED AND HAND RAKED SMOOTH. SURFACE SHALL BE ROLLED TO REMOVE LUMPS.
11. ALL SEEDED AREAS SHALL BE HYDROSEEDED IN ACCORDANCE WITH THE SPECIFICATION INDICATED. WHERE REQUIRED BY CLIMATIC CONDITIONS, SLOPE OR SEASON OF PLANTING, SOD MAY BE SUBSTITUTED FOR SEEDING IN ORDER TO ACHIEVE THE REQUIRED COVERAGE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING, MOWING AND OTHER MAINTENANCE TO SEEDED AREAS UNTIL THE PROJECT IS ACCEPTED BY THE OWNER. THIS SHALL INCLUDE WATERING DAILY FOR 15 DAYS OR AS REQUIRED BY WEATHER CONDITIONS AND RE-SEEDING OF THIN SPOTS FOLLOWING THE GERMINATION OF THE SEEDS.

PLANTING NOTES:

1. ALL INTERIOR LANDSCAPED AREAS SHALL HAVE A MINIMUM PLANTING SOIL DEPTH OF THREE (3) FEET AND BE FREE FROM ALL FORMS OF CONSTRUCTION DEBRIS AND FOREIGN MATERIAL.
2. ALL TREE PIT SAUCERS, SHRUB BEDS, ORNAMENTAL GRASS BEDS, AND PERENNIAL FLOWER BEDS SHALL RECEIVE THREE (3) INCHES DEPTH OF DARK SHREDDED HARDWOOD BARK MULCH.
3. ALL SEASONAL FLOWER BEDS SHALL BE A MINIMUM OF TWELVE (12) INCHES DEEP WITH A WELL-BLENDED MIXTURE OF 50% PEAT MOSS & 50% SCREENED TOPSOIL. NO MULCH SHALL BE INSTALLED IN THE SEASONAL FLOWER BEDS.
4. ALL DECIDUOUS AND EVERGREEN TREES SHALL BE STAKED WITH TWO (2) TREE STAKES AS PER THE CITY OF BUFFALO TREE PLANTING DETAIL.

ROBERT C. WALTER
registered landscape architect
MEMBER AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS
2765 DODGE ROAD, EAST AMHERST N.Y. 14051-2113
PHONE: (716) 364-5964

SITE LEGEND

- PROPERTY LINE
- PROPOSED CONCRETE CURB
- PROPOSED CONCRETE SIDEWALK
- PROPOSED SIGN
- PROPOSED PARKING NUMBER (27)
- PROPOSED LIGHT POLE FOUNDATION
- PROPOSED WALL-MOUNTED LIGHT

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40' 40 0 40 80Ft.

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Proposed Recycling Facility
AIM RECYCLING
267 Marilla Street
Buffalo, New York 14220
Tax SBL:133.17-1-4 (207 Marilla St)

REVISIONS:

No.	Description	Date

PRELIMINARY
NOT FOR CONSTRUCTION
07.29.2026

DRAWING NAME:
Concept Landscape Plan

Date: 11.06.2026
Drawn By: JP
Checked By: 1:40

DRAWING NO.
L-100

Project No: 24-1121

© CARMINA WOOD DESIGN

All Rights Reserved. Reuse of these documents without the expressed written permission of CARMINA WOOD DESIGN is prohibited. WARNING it is a violation of article 145 section 7209 of the New York State Education Law for any person, unless acting under the direction of a licensed professional engineer or architect, to alter this drawing. If altered such R.A., P.E. or L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

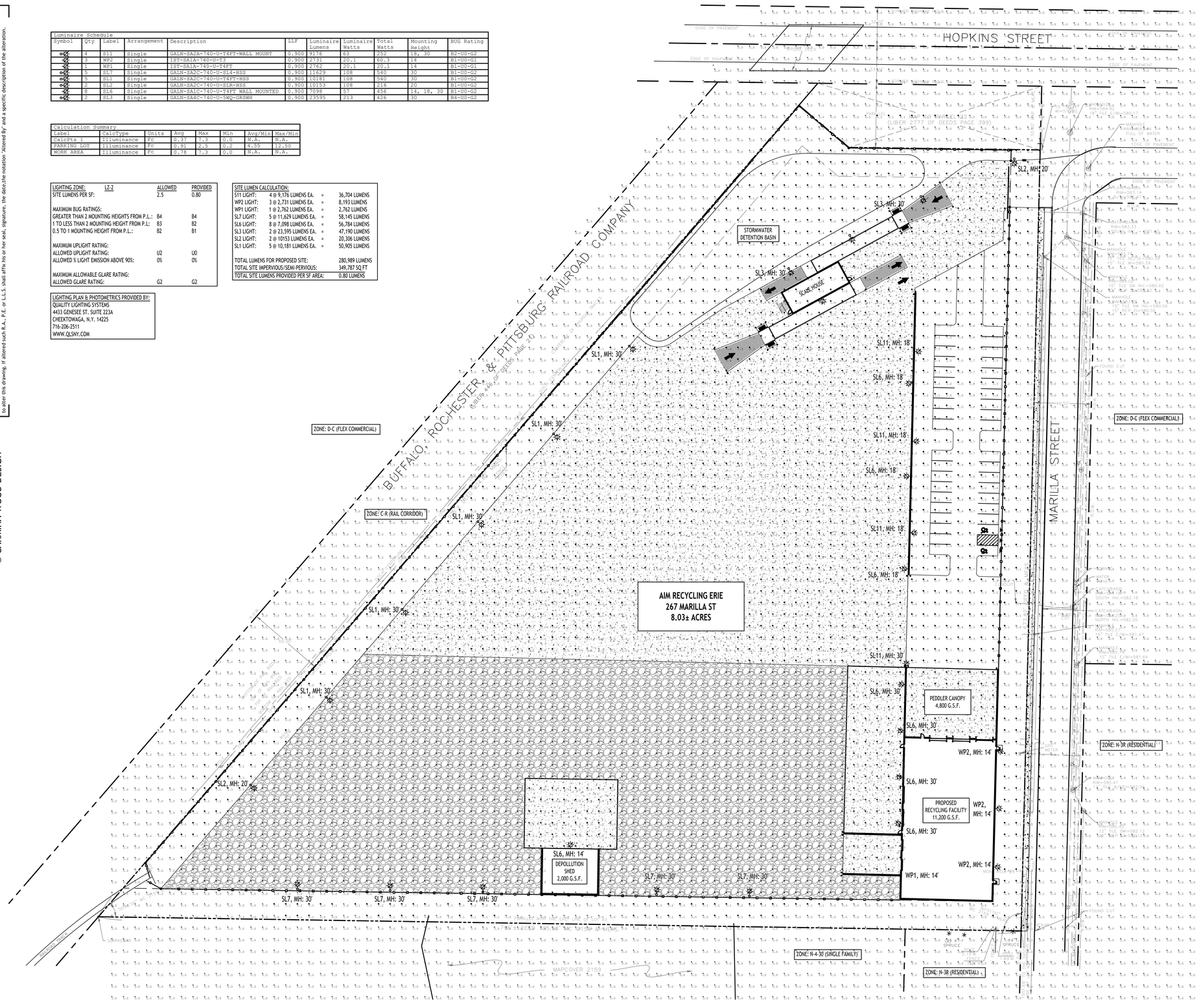
Luminaire Schedule										
Symbol	Qty	Label	Arrangement	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height	BUG Rating
	4	S11	Single	GALN-SA2A-740-U-T4FT-WALL MOUNT	0.900	9176	63	252	18, 30	B2-U0-G2
	3	WP2	Single	IST-SA1A-740-U-T3	0.900	2731	20.1	60.3	14	B1-U0-G1
	1	WP1	Single	IST-SA1A-740-U-T4FT	0.900	2762	20.1	20.1	14	B1-U0-G1
	5	SL7	Single	GALN-SA2C-740-U-SL4-HSS	0.900	11629	108	540	30	B1-U0-G2
	5	SL1	Single	GALN-SA2C-740-U-T4FT-HSS	0.900	10181	108	540	30	B1-U0-G2
	2	SL2	Single	GALN-SA2C-740-U-SLR-HSS	0.900	10153	108	216	20	B1-U0-G2
	8	SL6	Single	GALN-SA1C-740-U-T4FT WALL MOUNTED	0.900	7098	57	456	14, 18, 30	B1-U0-G2
	2	SL3	Single	GALN-SA4C-740-U-SWQ-GRSWH	0.900	23595	213	426	30	B4-U0-G2

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts 1	Illuminance	FC	0.37	7.3	0.0	N.A.	N.A.
PARKING LOT	Illuminance	FC	0.91	2.5	0.2	4.55	12.50
WORK AREA	Illuminance	FC	0.78	7.3	0.0	N.A.	N.A.

LIGHTING ZONE: LZ-2	ALLOWED	PROVIDED
SITE LUMENS PER SF:	2.5	0.80
MAXIMUM BUG RATINGS:		
GREATER THAN 2 MOUNTING HEIGHTS FROM P.L.:	B4	B4
1 TO LESS THAN 2 MOUNTING HEIGHT FROM P.L.:	B3	B2
0.5 TO 1 MOUNTING HEIGHT FROM P.L.:	B2	B1
MAXIMUM UPLIGHT RATING:		
ALLOWED UPLIGHT RATING:	U2	U0
ALLOWED % LIGHT EMISSION ABOVE 90%:	0%	0%
MAXIMUM ALLOWABLE GLARE RATING:		
ALLOWED GLARE RATING:	G2	G2

SITE LUMEN CALCULATION:		
S11 LIGHT:	4 @ 9,176 LUMENS EA. =	36,704 LUMENS
WP2 LIGHT:	3 @ 2,731 LUMENS EA. =	8,193 LUMENS
WP1 LIGHT:	1 @ 2,762 LUMENS EA. =	2,762 LUMENS
SL7 LIGHT:	5 @ 11,629 LUMENS EA. =	58,145 LUMENS
SL6 LIGHT:	8 @ 7,098 LUMENS EA. =	56,784 LUMENS
SL3 LIGHT:	2 @ 23,595 LUMENS EA. =	47,190 LUMENS
SL2 LIGHT:	2 @ 10153 LUMENS EA. =	20,306 LUMENS
SL1 LIGHT:	5 @ 10,181 LUMENS EA. =	50,905 LUMENS
TOTAL LUMENS FOR PROPOSED SITE:		280,989 LUMENS
TOTAL SITE IMPERVIOUS/SEMI-PERVIOUS:		349,787 SQ FT
TOTAL SITE LUMENS PROVIDED PER SF AREA:		0.80 LUMENS

LIGHTING PLAN & PHOTOMETRICS PROVIDED BY:
QUALITY LIGHTING SYSTEMS
4433 GENESEE ST. SUITE 223A
CHEEKTOWAGA, N.Y. 14225
716-206-2511
WWW.QLSNY.COM



N SITE PLAN
SCALE: 1"=40'

SITE LEGEND

- PROPERTY LINE
- PROPOSED CONCRETE CURB
- PROPOSED CONCRETE SIDEWALK
- PROPOSED SIGN
- PROPOSED PARKING NUMBER (27)
- PROPOSED LIGHT POLE FOUNDATION
- PROPOSED WALL-MOUNTED LIGHT

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40' 40 0 40 80Ft.

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Proposed Recycling Facility
AIM RECYCLING
267 Marilla Street
Buffalo, New York 14220
Tax SBL:133.17-1-4 (207 Marilla St)

REVISIONS:

No.	Description	Date

PRELIMINARY
NOT FOR CONSTRUCTION
07.29.2026

DRAWING NAME:
Site
Lighting Plan

Date: 11.06.2026
Drawn By: JP
Checked By:
1:40

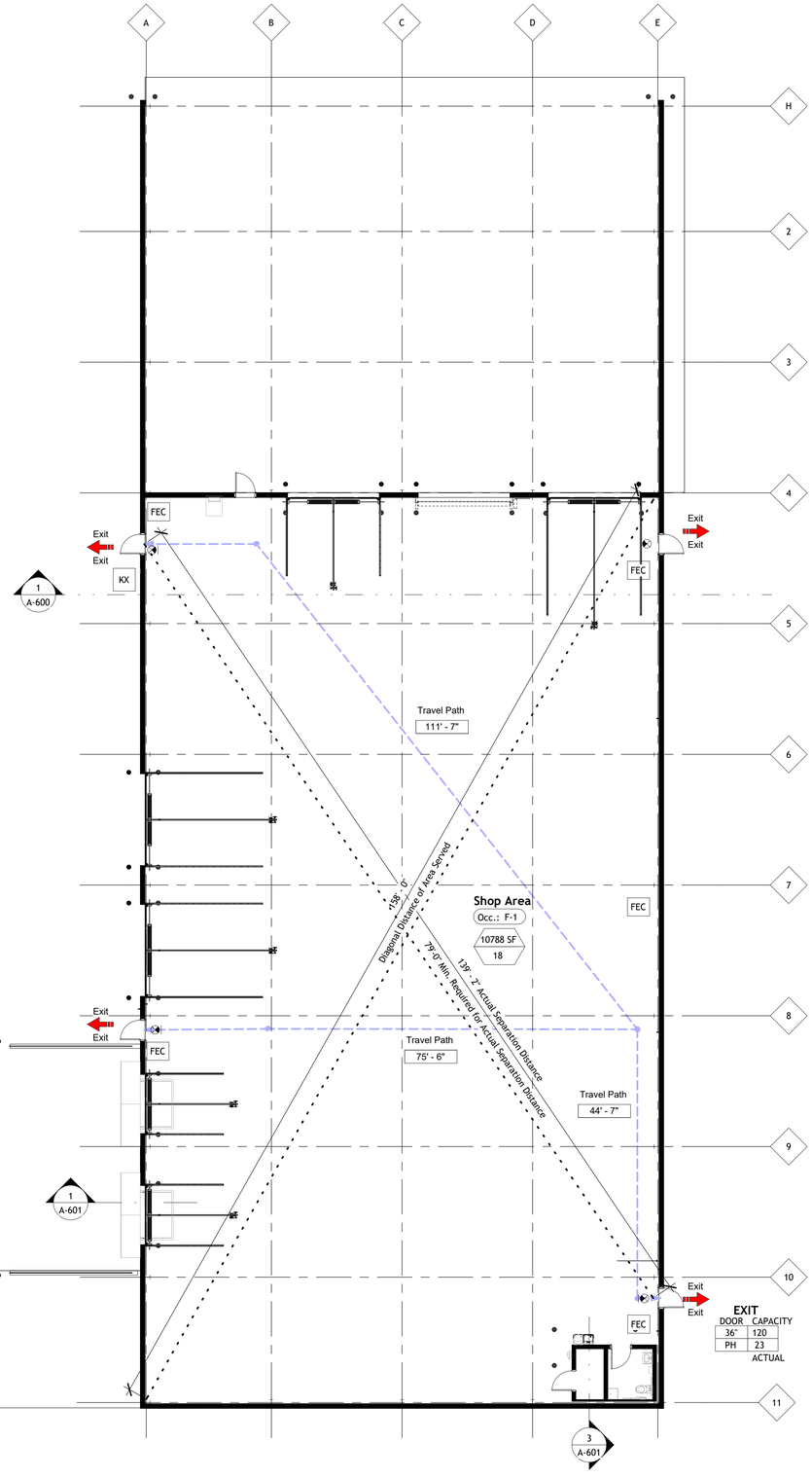
DRAWING NO.
LP-100

Project No: 24-1121

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING: it is a violation of article 145, sections 7209A and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design

Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:15:18 PM



1 CC-100 **01_First Floor Code Compliance**

3/32" = 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	Distance to FEC	
1 Hr Fire Rated Construction		Exit Signs	
45/60 Min. Fire Rated Door/Window		Exit or Exit Access Door	
		FEC — Fire Extinguisher Cabinet	
		KX — Fire Department Knox Box	

Occupant Loads - First Floor

ROOM #	ROOM NAME	AREA	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	CALCULATED # OF OCCUPANTS
102	Lav.	53 SF	Buisness Area	150	1
103	Mech.	33 SF	Accessory Storage areas, Mechanical, Equipment	300	1
105	Shop Area	10788 SF	Warehouses	500	22
		10874 SF			24

Building Code Summary

	Project Type:	■ New ☐ Change of Use ☐ Addition ☐ Alteration			
302	Occupancy Type:	Occupancy: F-1	Use: Factory (Metals)		
	Special Detailed Req. Based on Occ.				
	Building Area (sf.):	Existing : _____	New : 12,150	Total : 12,150	
	Gross Areas (sf.):	Level : 01- First Floor	Existing : _____	New : 11,230	
504.3	Building Height (ft):	Occupancy	Construction Classification	Allowable	Shown on Plan(s)
		F-1	IIB	55	28
504.4	Building Height (Stories):	Occupancy	Construction Classification	Allowable	Shown on Plan(s)
		F-1	IIB	2	1
506.2.4	Building Area (sf/Story):	Occupancy	Construction Classification	Allowable	Shown on Plan(s)
	$A_a=[A_t + (NS \times I_f)]$	F-1	IIB	31,000	1st Fl. 10,788
508.4	Separated Occupancies:	☐ Yes ■ No Occupancy: _____ Use: _____ **No separation requirement**			
508.4.2		$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$ .31 + .06 = .37			
601	Required Fire Resistance Rating:	Building Element			Listed Design No.
		Primary Structural Frame	0 Hours		N/A
		Bearing Walls Exterior	0 Hours		N/A
		Bearing Walls Interior	0 Hours		N/A
		Floor Construction	0 Hours		N/A
		Roof Construction	0 Hours		N/A
	Fire Protection Requirements:	Shaft Enclosures - Other	N/A Hours		
		Corridor Seperation	N/A Hours		
		Dwelling Unit/Sleeping Unit Separation	N/A Hours		
903	Fire Protection Systems:	Automatic Sprinkler System	No: ■ Yes: ☐		
905		Standpipe System	No: ■ Yes: ☐		
906		Portable Fire Extinguishers	No: ☐ Yes: ■		
907		Fire Alarm Systems	No: ■ Yes: ☐		
1004.5	Occupant Load:	**See calculated loads on compliance plans**		1st Fl. 36 persons	
1006.2.1	Spaces With One Exit:	Occupancy: F-1	Max. Occ. Load (Allowed/Actual): 49/41	Max. Travel Dist. (Allowed/Actual): 75' / 70'	
1017.2	Travel Distance:	Occupancy: F-1	Max. Exit Access Travel Dist.: 200'	Actual: 86'-6"	

2902.1	Plumbing Fixture Requirements:	Occupant Load (Male/Female Count .50 % / .50 %)	WC Required	Lavatory Required	Provided
	Floor 1st Function Industrial	31 (16M,16F)	1/100 (.16M,.16F)	1/100 (.16M,.16F)	**WC - (2M,1F,1UNI) Urinal - (2M,0F) Lavs - (2M,1F,1UNI) Mop Sink - 1 D. Fount. - 1**
	Floor 1st & 2nd Function Business	47 (24M,24F)	1/50 (.48M,.48F)	1/40 (.60M,.60F)	
	Total Required:		.64M, .64F	.76M, .76F	

2902.2 Seperate toilet facilities shall not be required to be designated by sex wehre single-user toilet rooms are provided in accordance with Section 2902.1.2

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 04/29/2025

DRAWING NAME:

Code Compliance - Floor Plans

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

DRAWING NO.

CC-100

Project No: 24-1121

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING! It is a violation of article 145 section 7209 of the NYS Education Law for any person, unless acting under the direction of a licensed architect or engineer to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design

GENERAL NOTES:

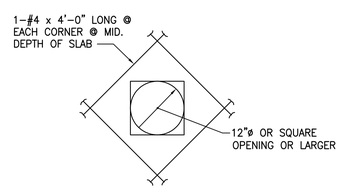
1. THE STRUCTURAL DESIGN IS IN ACCORDANCE WITH CHAPTER 16 2018 INTERNATIONAL BUILDING CODE.
2. THE GENERAL CONTRACTOR SHALL ENSURE THAT ALL WORK IS COMPLETED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES AND ORDINANCES.
3. REPRODUCTION OF ANY PORTION OF THE STRUCTURAL DRAWINGS IS A VIOLATION OF COPYRIGHT LAWS. ALL PLANS, NOTES, DETAILS, AND SECTIONS MUST BE REDRAWN AND COORDINATED WITH THE ARCHITECTURAL DRAWINGS AND THE BUILDING MANUFACTURER'S 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 AND THE BUILDING MANUFACTURER'S DRAWINGS FOR INFORMATION NOT NOTED ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS AND THE BUILDING MANUFACTURER'S 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:
    LIVE LOADS:
    MEZZANINE FLOOR: 50 P.S.F. + 15 P.S.F. PARTITION LOADING.
    BUILDING: PER PRE-ENGINEERED BUILDING MANUFACTURER
    SNOW LOAD (GROUND) 50 P.S.F.
    SNOW DRIFT LOADS AS REQUIRED BY IBC SECTION 1603.1.3 & 1608.
    WIND LOAD: 3 SECOND GUST SPEED = 115 MPH
    WIND EXPOSURE CATEGORY 'B'
    SEISMIC LOADING: SEISMIC DESIGN CATEGORY 'B'
    SITE CLASS 'D'

    DEAD LOADS:
    MEZZANINE FLOOR: PER PRE-ENGINEERED BUILDING MANUFACTURER.
    BUILDING: PER PRE-ENGINEERED BUILDING MANUFACTURER

    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 ROOF SYSTEM WITHOUT WRITTEN APPROVAL FROM THE BUILDING MANUFACTURER.
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 ROOFS IN EXCESS OF THE DESIGN LIVE LOADS UNLESS SPECIFICALLY APPROVED IN WRITING BY THE PRE-ENGINEERED BUILDING SUPPLIER. IMPACT SHALL BE AVOIDED WHEN PLACING MATERIALS ON ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENFORCE THESE REQUIREMENTS.
15. STRUCTURAL DRAWINGS HAVE BEEN PREPARED FOR THE PRE-MANUFACTURED BUILDING FOUNDATIONS ONLY. ALL OTHER BUILDING COMPONENTS ARE THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.

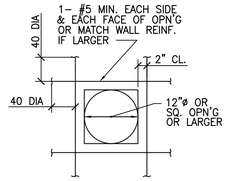
FOUNDATION AND CONCRETE NOTES:

1. FOOTINGS SHALL BEAR ON UNDISTURBED SOIL HAVING AN ASSUMED ALLOWABLE BEARING CAPACITY OF 2,000 POUNDS PER SQ. FT.
2. IF BEARING MATERIALS WITH A LOWER BEARING CAPACITY THAN 2,000 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 AS NOTED ON DRAWINGS.
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".
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.



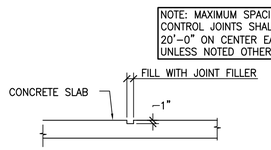
ADD'L REINF. REQ'D. @ OPENINGS IN SLAB

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



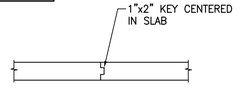
ADD'L. REINF. REQ'D. @ OPENINGS IN WALL

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



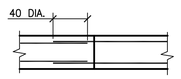
TYP, CONC. SLAB CONTROL JOINT

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



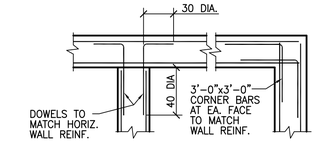
TYP, CONC. SLAB CONSTRUCTION JOINT

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



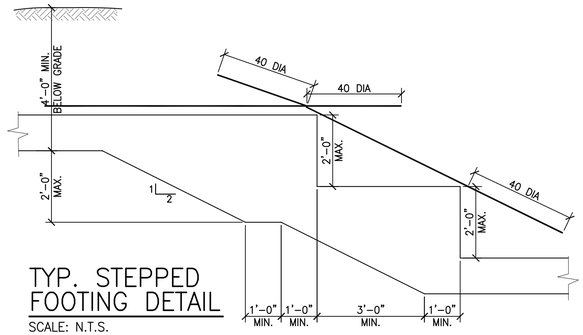
TYP. WALL CONSTR. JOINT

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



HORIZ. WALL REINF. DETAIL

SCALE: N.T.S.



TYP. STEPPED FOOTING DETAIL

SCALE: N.T.S.

CARMINA WOOD DESIGN

Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed:

DRAWING NAME:

Structural Notes & Typical Details

Date: 11/06/2026
Drawn By: MLK
Checked By: LGT

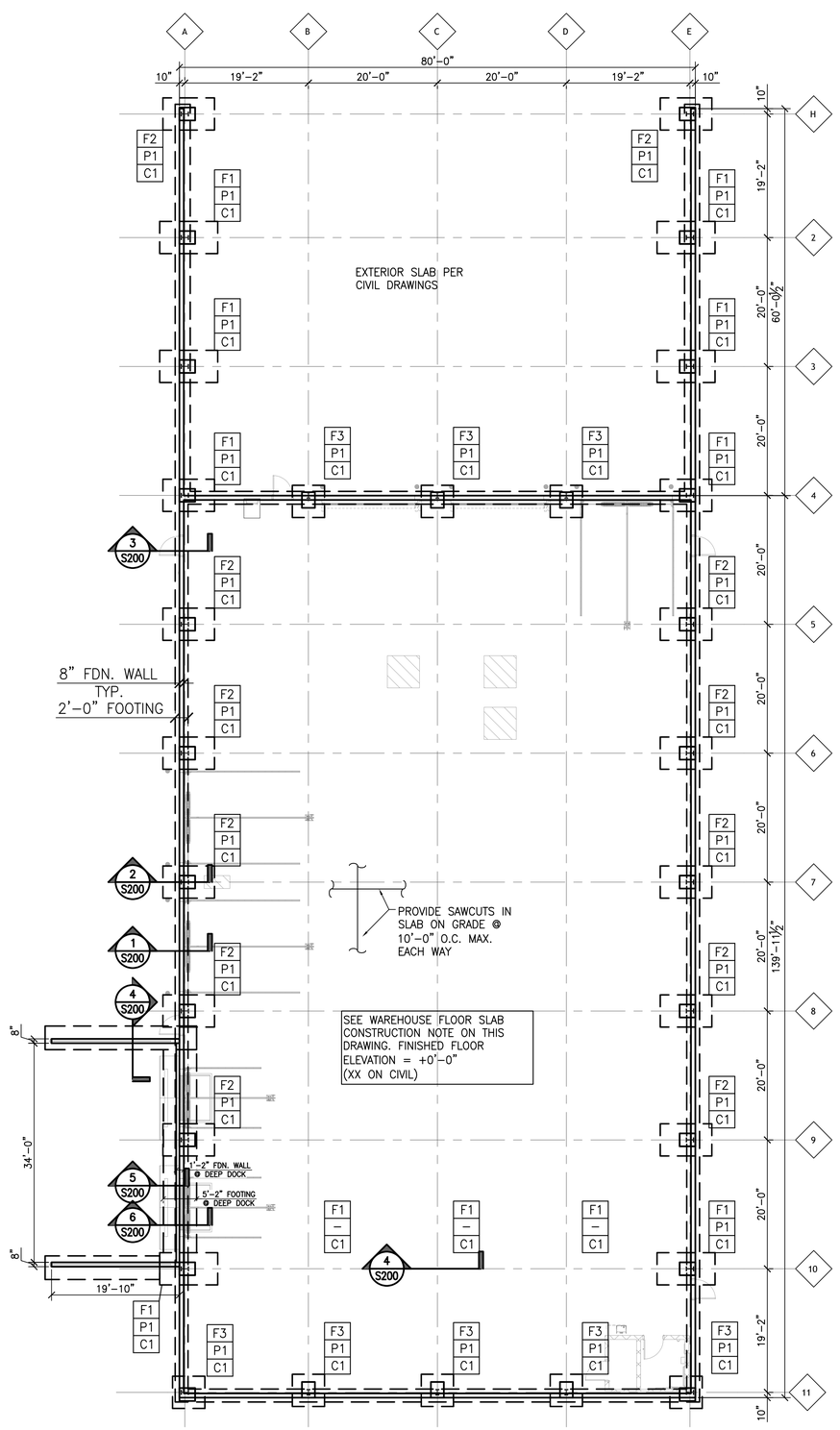
DRAWING NO.

S-000

Project No: 24-1121

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 section 7209 of the New York State Education Law for any person, unless acting under the direction of a licensed professional engineer, architect, landscape architect or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design



FOUNDATION PLAN

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

LEGEND

FOOTING TYPE — F / P / C — PIER TYPE

COLUMN TYPE

xxxx — BOT. OF FOOTING ELEVATION BELOW TOP OF FLOOR ELEVATION

FOOTING SCHEDULE

TYPE	SIZE	REINFORCING
F1	9'-0" x5'-0" x 18" MIN.	7-#5 x8'-6" LONG + 14-#6 x 4'-6" LONG TOP & BOTTOM
F2	8'-0" x5'-0" x 18" MIN.	7-#5 x7'-6" LONG + 12-#6 x 4'-6" LONG TOP & BOTTOM
F3	5'-0" x 5'-0" x 12" MIN.	7-#5 E.W.

PIER SCHEDULE

TYPE	SIZE	REINF.
P1	SEE DETAILS ON S3	SEE DETAIL

COLUMN SCHEDULE

TYPE	SIZE
C1	STEEL COLUMN BY PE BUILDING SUPPLIER

FLOOR CONSTRUCTION: 8" CONCRETE SLAB ON GRADE WITH FIBERMESH REINFORCING & (1) #5 @ 16" O.C. BOTTOM EACH WAY ON MIN. OF 12" COMPACTED GRANULAR FILL PER GEOTECHNICAL ENGINEERS REPORT. VAPOR BARRIER PER ARCHITECTURAL DRAWINGS.

8"

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: THIS FOUNDATION PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A GRADING PLAN. THE OWNER MUST CO-ORDINATE THE BOTTOM OF FOOTING ELEVATIONS AND THE LOCATIONS OF THE FOOTING STEPS WITH THE GENERAL CONTRACTOR TO ENSURE A MINIMUM OF 4'-0" FROST COVER OVER ALL EXTERIOR FOOTINGS. BOTTOM OF FOOTING ELEVATIONS WILL BE NOTED ON THIS DRAWING AFTER A GRADING PLAN HAS BEEN PROVIDED

NOTE: VERIFY ALL COLUMN LOCATIONS WITH BLDG. MANUFACTURER'S DRAWINGS

NOTE: VERIFY LOCATIONS & SIZES OF ALL EXTERIOR DOORS WITH ARCH. DWGS. VERIFY DIMENSIONS WITH ARCH. DWGS.

NOTE: ALL FOUNDATION & BACKFILL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED
BY:
PROJECT NO.:
DATED:

THIS PLAN HAS BEEN PREPARED IN CONJUNCTION WITH BUILDING REACTIONS
PREPARED BY:
PROJECT NO.:
REVISION NO.:
DATED:

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

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

AIM RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Sealed:

DRAWING NAME:
Foundation Plan

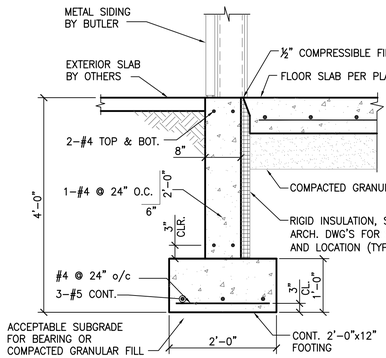
Date: 11/06/2026
Drawn By: MLK
Checked By: LGT

DRAWING NO.
S-100

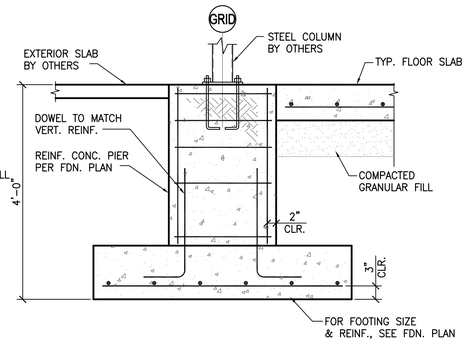
Project No: 24-1121

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING! It is a violation of article 145 section 7209 sub 2 of the New York State education law for any person, unless acting under the direction of a licensed architect, to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

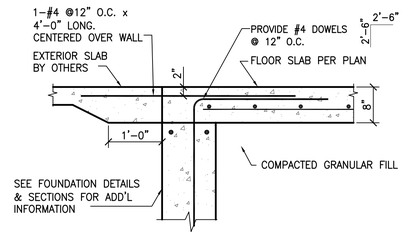
© Carmina Wood Design



SECTION
SCALE: 3/4"= 1'–0" 1 S–100

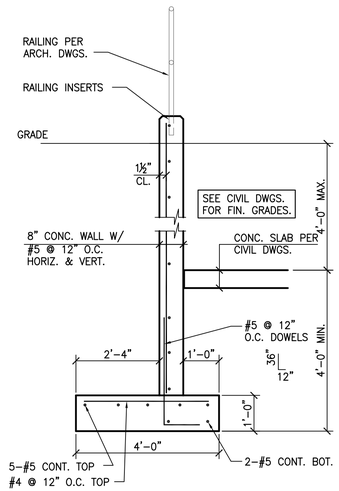


SECTION
SCALE: 3/4"= 1'–0" 2 S–100

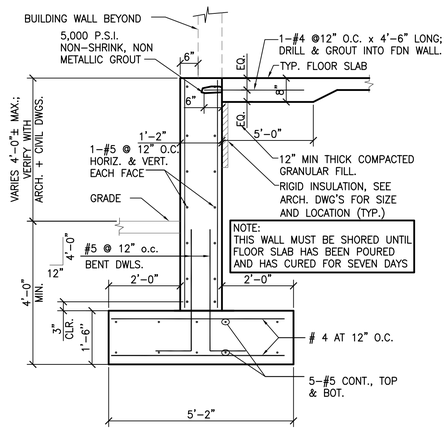


TYPICAL @ EXTERIOR DOOR LOCATIONS

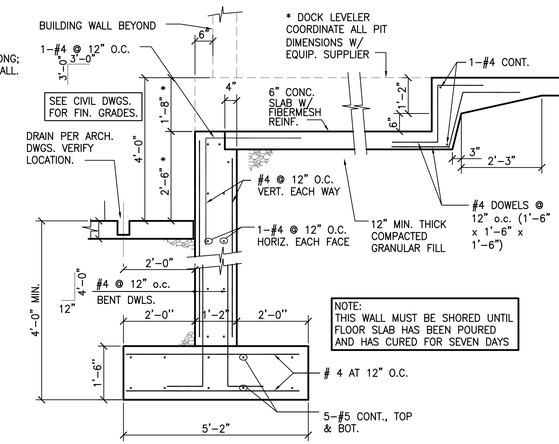
SECTION
SCALE: 3/4"= 1'–0" 3 S–100



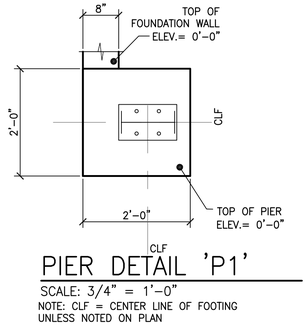
SECTION
SCALE: 1/2" = 1'–0" 4 S–100



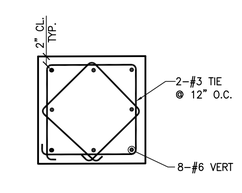
SECTION
SCALE: 1/2" = 1'–0" 5 S–100



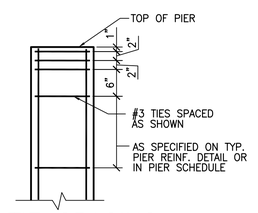
SECTION
@ DOCK LEVEL
SCALE: 1/2"= 1'–0" 6 S–100



PIER DETAIL 'P1'
SCALE: 3/4" = 1'–0"
NOTE: CLF = CENTER LINE OF FOOTING UNLESS NOTED ON PLAN



PIER REINFORCING P1
SCALE: 3/4" = 1'–0"



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

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed:

DRAWING NAME:
Sections & Details

Date: 11/06/2026
Drawn By: MLK
Checked By: LGT

DRAWING NO.
S-200

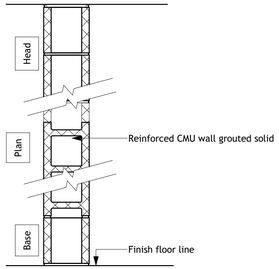
Project No: 24-1121

All Right Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING: it is a violation of article 145, sections 7209A and 7301 of the New York State Education Law for any person, persons acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design

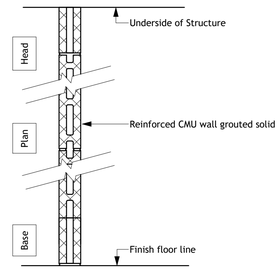
Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:15:19 PM

Non-Rated Masonry Wall Partition Types



Interior Partition - 7 5/8" CMU

TYPE		
C1	FIRE RATING: N/A	DESIGN: N/A
	STC RATING: N/A	DESIGN: N/A
	C1: 7 5/8" CMU	



Interior Partition - 3 5/8" CMU

TYPE		
C2	FIRE RATING: N/A	DESIGN: N/A
	STC RATING: N/A	DESIGN: N/A
	C2: 3 5/8" CMU	

1 / A-001 Non-Rated Partition Types

1" = 1'-0"

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 or 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.*

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:		
No.	Description	Date

Sealed: 04/25/2025

DRAWING NAME:

Wall Types - Non-Rated Partitions

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

DRAWING NO.

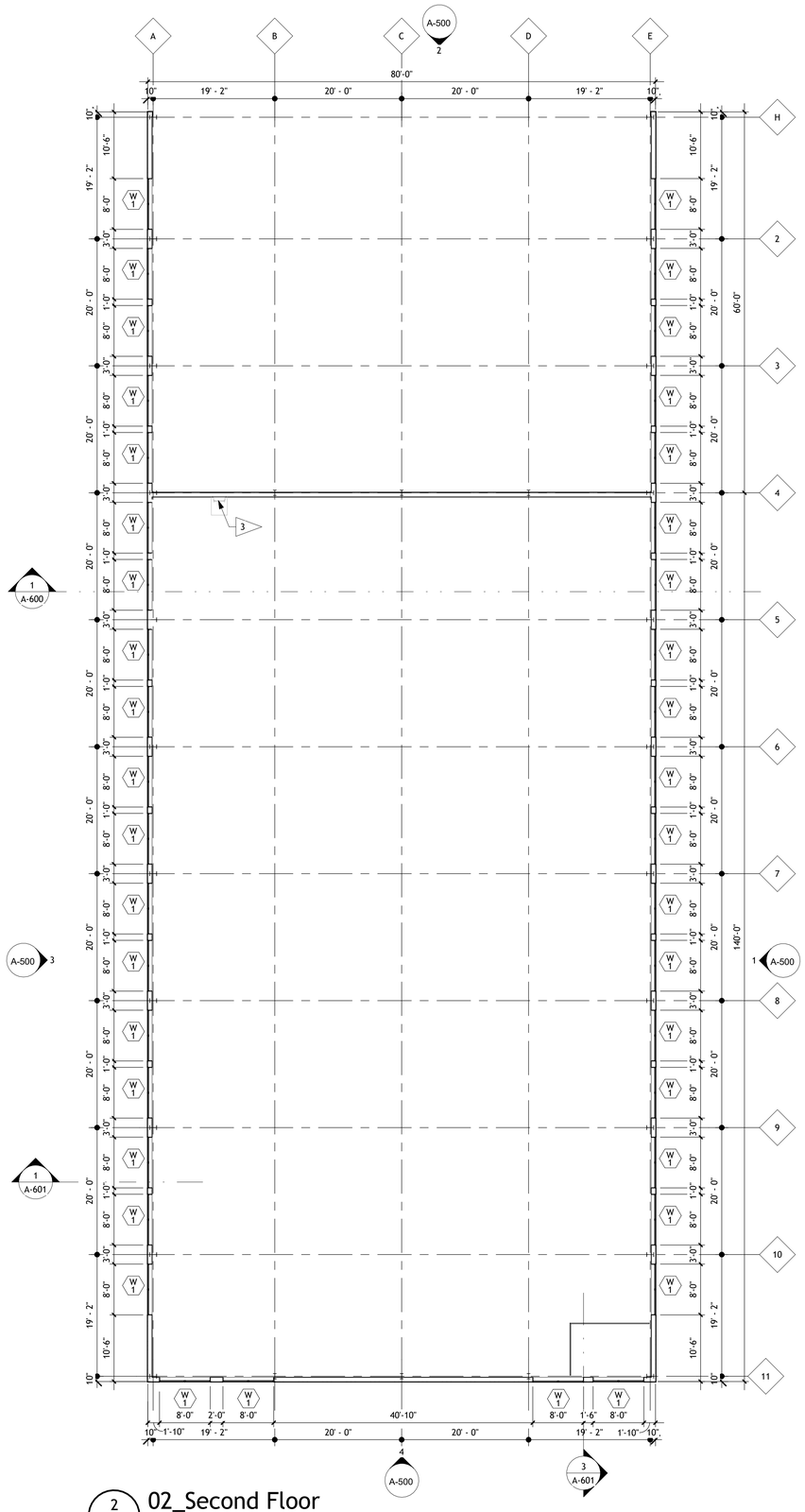
A-001

Project No: 24-1121

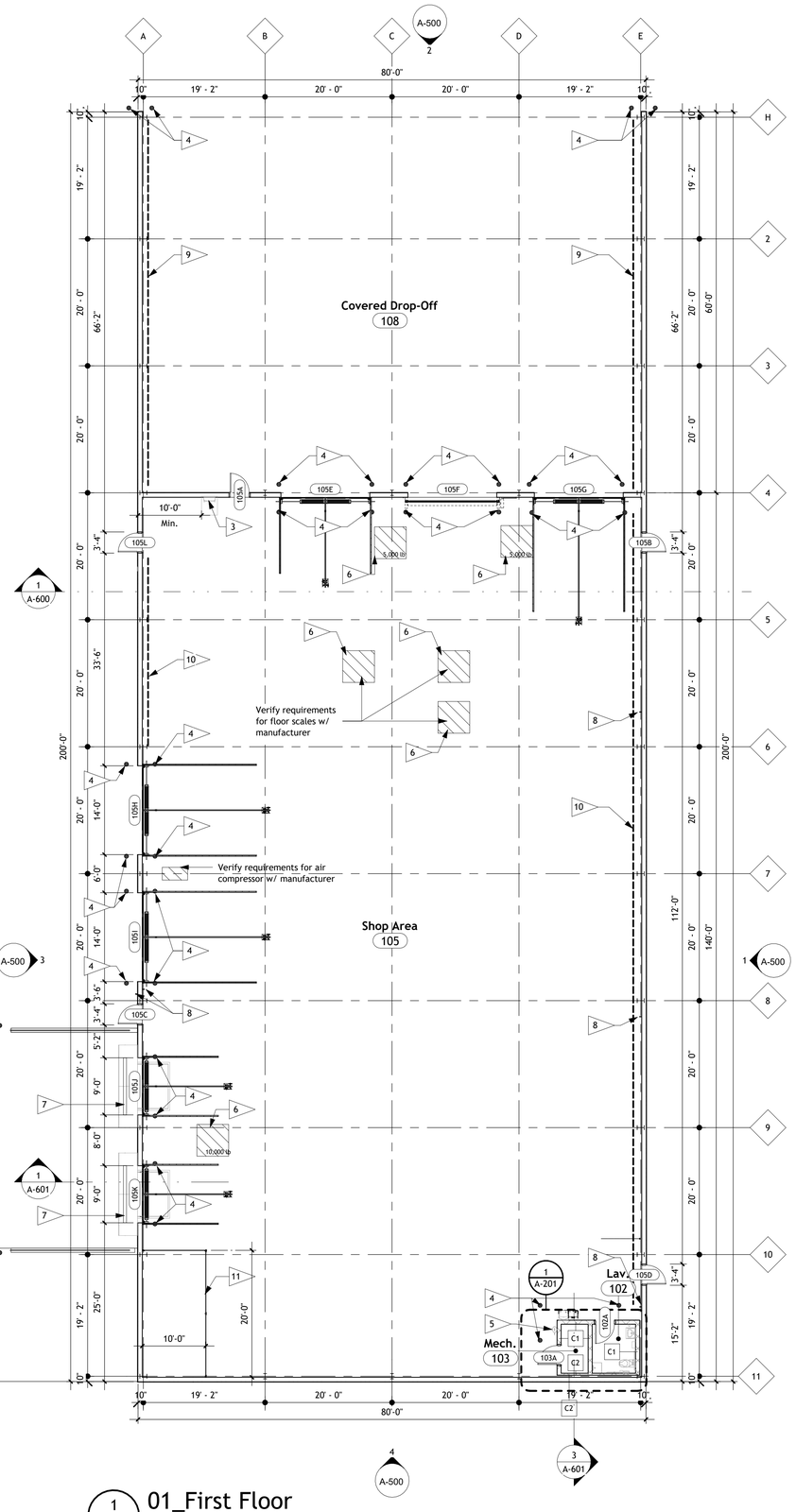
All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING: it is a violation of article 145, sections 7209A and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design

Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:15:56 PM



2 A-101 **02_Second Floor**
3/32" = 1'-0"



1 A-101 **01_First Floor**
3/32" = 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. 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

- New wall construction
- XXX — New door to be installed size as spec'd, type by owner
- New interior/view window to be installed size as spec'd, type by owner
- 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

Floor Plan Keynotes

1. Not Used
2. Not Used
3. Roof access ladder. Refer to A-400s for details.
4. 8" Steel and Conc. Bollard. 5 / A-601
5. Wall mount emergency eye wash station. Guardian Stainless Steel with dust cover, emergency signage, and inspection tag.
6. Floor scales and kiosk. (1)-5,000 lb. floor scale and (1)-10,000 lb. floor scale. Provide data and power between kiosk station and floor scale. Location to be coordinated with owner.
   5,000 lb. - Model - F2EC-6060-2500 with, Rice Lake 680 plus digital weigh indicators
   10,000 lb. - Model - F2EC-6060-5000 with, Rice Lake 680 plus digital weigh indicators
7. Traffic rated trench drain system tied to storm system
8. 3/4" Hose Bib - Coordinate with plumbing
9. HD Guard Rail System, ULINE Safety Guard System - Extend full length of wall. Secure to conc. slab per manufacturers instructions. **System Components** - Bolt-On 3-Rib Guard Rails - Model H-3714, Posts - H-3716, Safety Curb - H-6856.
10. LD Guard Rail System, ULINE Safety Guard System - Extend full length of wall. Secure to conc. slab per manufacturers instructions. **System Components** - Light Duty Rails - Model H-6242, Posts - H-6244, Safety Curb - H-6856.
11. 8' Tall, chain link fence. Provide 36" wide locking door/gate.

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

AIM RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Sealed: 04/25/2025

DRAWING NAME:
Overall Floor Plans

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

DRAWING NO.
A-101

Project No: 24-1121

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING: it is a violation of article 145, sections 7209A and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

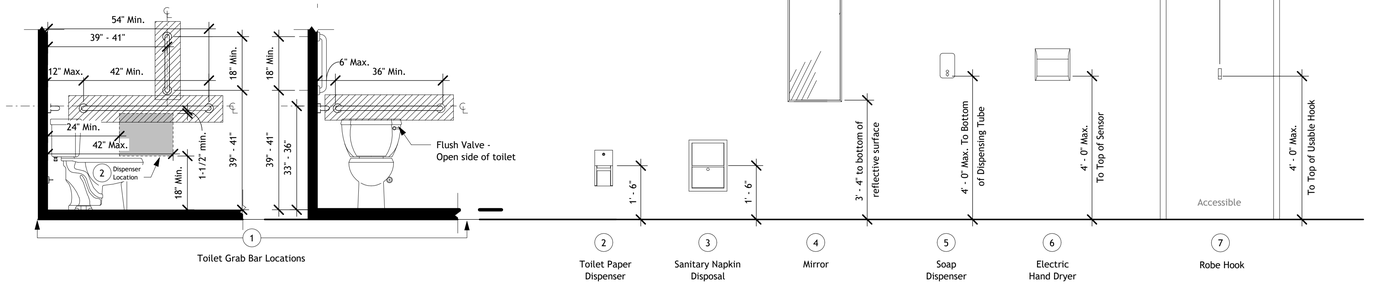
© Carmina Wood Design

Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:15:58 PM

NOTE: The hatched areas are areas to Receive Blocking for Accessories.

NOTE: The hatched areas are areas of mounting ranges

NOTE: Contractor is responsible for providing and maintaining these ADA Mandates, referencing the ICC/ANSI A117.1 where required.
Contractor shall contact the Architect if variances occur in the field due to construction.



3 A-201 Public Accessory Mounting Heights

1/2" = 1'-0"

Public Plumbing Fixture Schedule

Tag	Item	Manufacturer	Model	Location	Selected By
PF-1	Sink	Refer to P series drawings	N/A	Lav.	MEP
PF-2	Faucet	Refer to P series drawings	N/A	Lav.	MEP
PF-3	Mop Sink	Refer to P series drawings	N/A	Lav.	MEP
PF-4	Drinking Fountain	Refer to P series drawings	N/A	Shop Area	MEP
PF-5	Eye Wash	Refer to P series drawings	N/A	Shop Area	MEP

Notes:

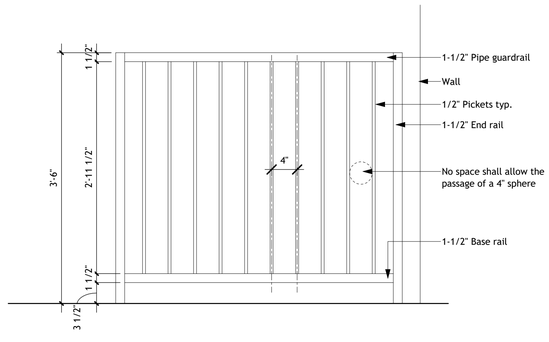
1. Plumbing fixture appurtenances to be coordinated by others; Coorinate misc. finish selections with Interior Designer.
2. If any conflicts reguarding selected products and required appurtenances and assosiated casework are apparent; Nofity Interior Designer prior to purchase.

Public 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	Lav.	
2	Toilet Paper Dispenser		Bradley	5A10 Diplomat Toilet Tissue Dispenser	Surface mounted dual roll toilet tissue dispenser.	Stainless Steel; Satin Finish	Lav.	
3	Sanitary product Disposal		Bradley	4A10 Diplomat Sanitary Product Disposal	Surface mounted 1.5 gal capacity sanitary napkin disposal.	Stainless Steel; Satin Finish	Lav.	
4	Mirror		Bradley	780 Angle Frame Mirror	Float glass in a one-piece roll-formed angle frame. Frame corners are welded, ground and polished to a smooth finish.	N/A	Lav.	
5	Soap Dispenser		Bradley	6A03 Diplomat Liquid Soap/Gel Dispenser	Surface mounted 27oz. capacity liquid soap or sanitizer dispenser.	Brushed Stainless	Lav.	
6	Electric Hand Dryer		Bradley	2923 Aerix+ High Speed Sensor-Operated Hand Dryer	Surface mounted dryer. Surface Mounted Dryer; Use metal backer panel at painted wall locations only.	Stainless Steel; Satin Finish	Lav.	Coordinate with Electrical
11	Robe Hook		Bradley	9124 Stainless Steel Double Robe Hook	Surface-Mounted, Concealed Mounting, Vandal-Resistant Escutcheons	Stainless Steel; Satin Finish	Lav.	
14	Utility Shelf		Bradley	9933 Utility Shelf with 4 hooks and 3 holders	18 gauge stainless steel with exposed surfaces in architectural satin finish.	Stainless Steel; Satin Finish	Lav.	

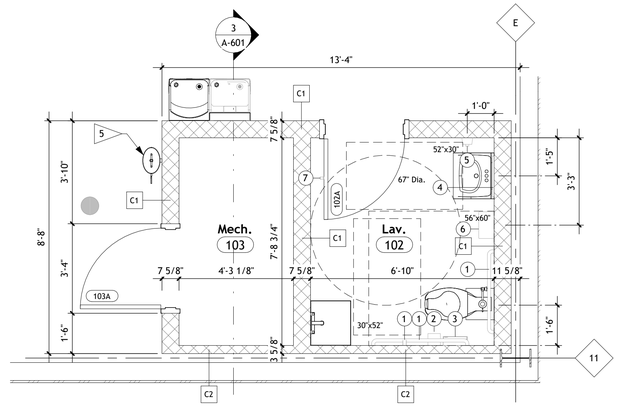
Notes:

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-201 Pipe_Vertical_Guardrail @ Balcony

1" = 1'-0"



1 A-201 Enlarged Restroom

3/8" = 1'-0"

Floor Plan Legend

- New wall construction
- XXX — New door to be installed size as spec'd, type by owner
- New interior/view window to be installed size as spec'd, type by owner
- 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 WAREHOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 04/25/2025

DRAWING NAME:

Enlarged Floor Plans & Lav Details

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

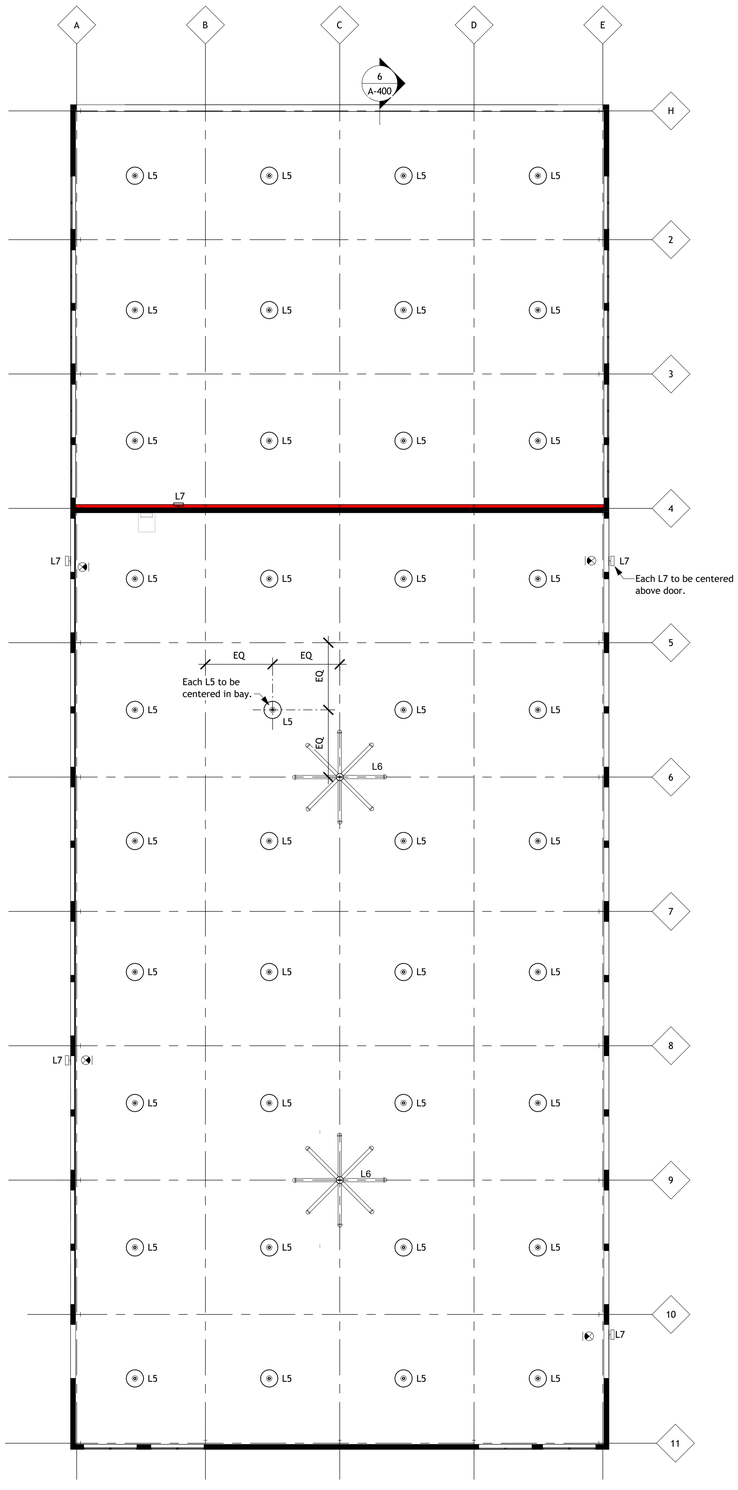
DRAWING NO.

A-201

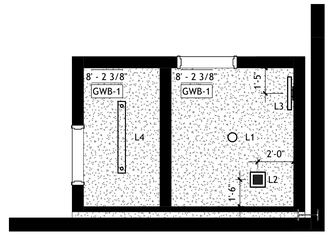
Project No: 24-1121

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING: it is a violation of article 145, sections 7209A and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design



2 A-300 Overall Second Floor RCP
3/32" = 1'-0"



1 A-300 Enlarged First Floor Work RCP
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, fire suppression 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. Contractor shall follow all regulations for supporting fire protection sprinkler systems, see Specifications § 21 0500 for Common Work Results for Fire Protection.
J. 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.

Ceiling Fixtures

	L1	Recessed LED Downlight
	L2	Vent Fan
	L3	Wall Mounted Vanity Sconce
	L4	Linear LED Utility Pendant
	L5	High Bay Fixture
	L6	Fan
	L7	Exterior Vertical Sconce

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

Symbol Legend

X — Signage; See Signage Schedule for information.

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Sealed: 04/25/2025

DRAWING NAME:
Overall Reflected Ceiling Plans

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

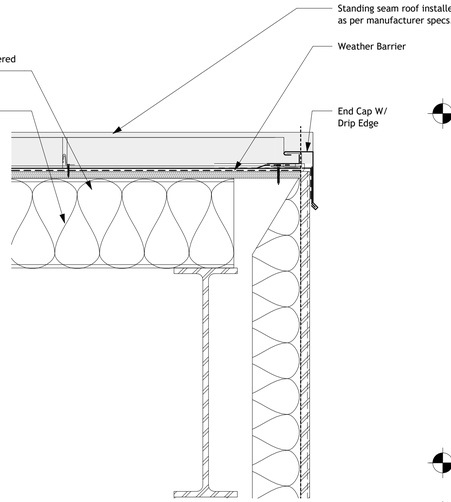
DRAWING NO.
A-300

Project No: 24-1121

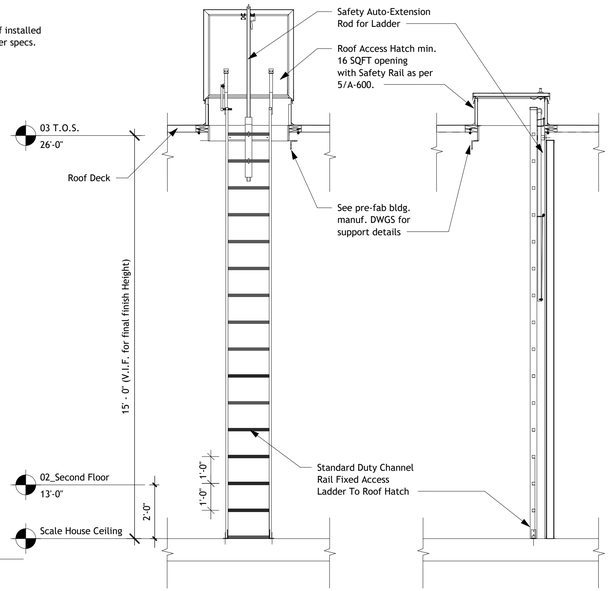
Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:16:00 PM

All Right Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING! it is a violation of article 145, sections 7209A and 7301 of the New York State Education Law for any person, persons acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

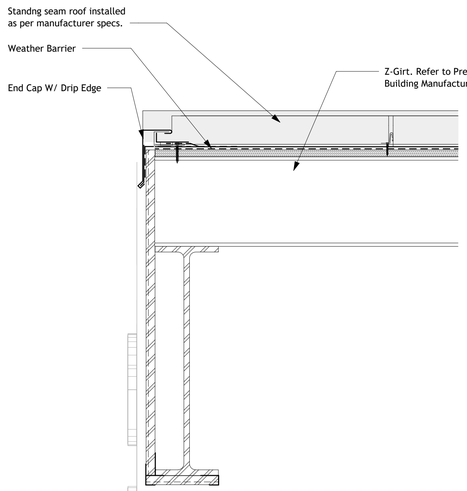
© Carmina Wood Design



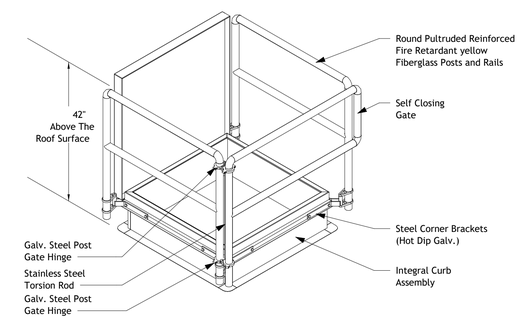
7 A-400 **Roof Detail 2**
1 1/2" = 1'-0"



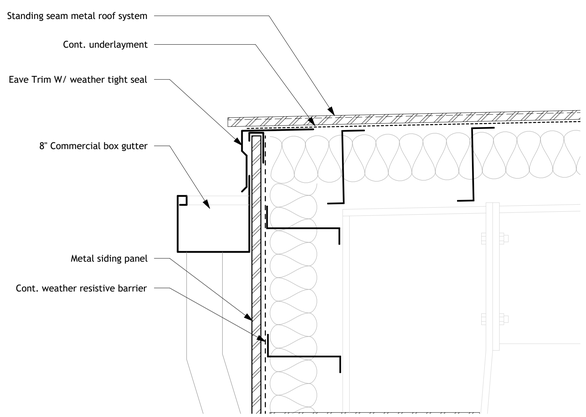
4 A-400 **Roof Access Ladder**
3/8" = 1'-0"



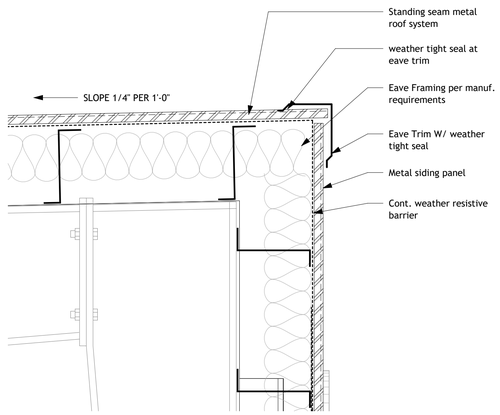
6 A-400 **Covered Drop Off Roof Detail**
1 1/2" = 1'-0"



3 A-400 **Roof Hatch Safety Rail**
1" = 1'-0"

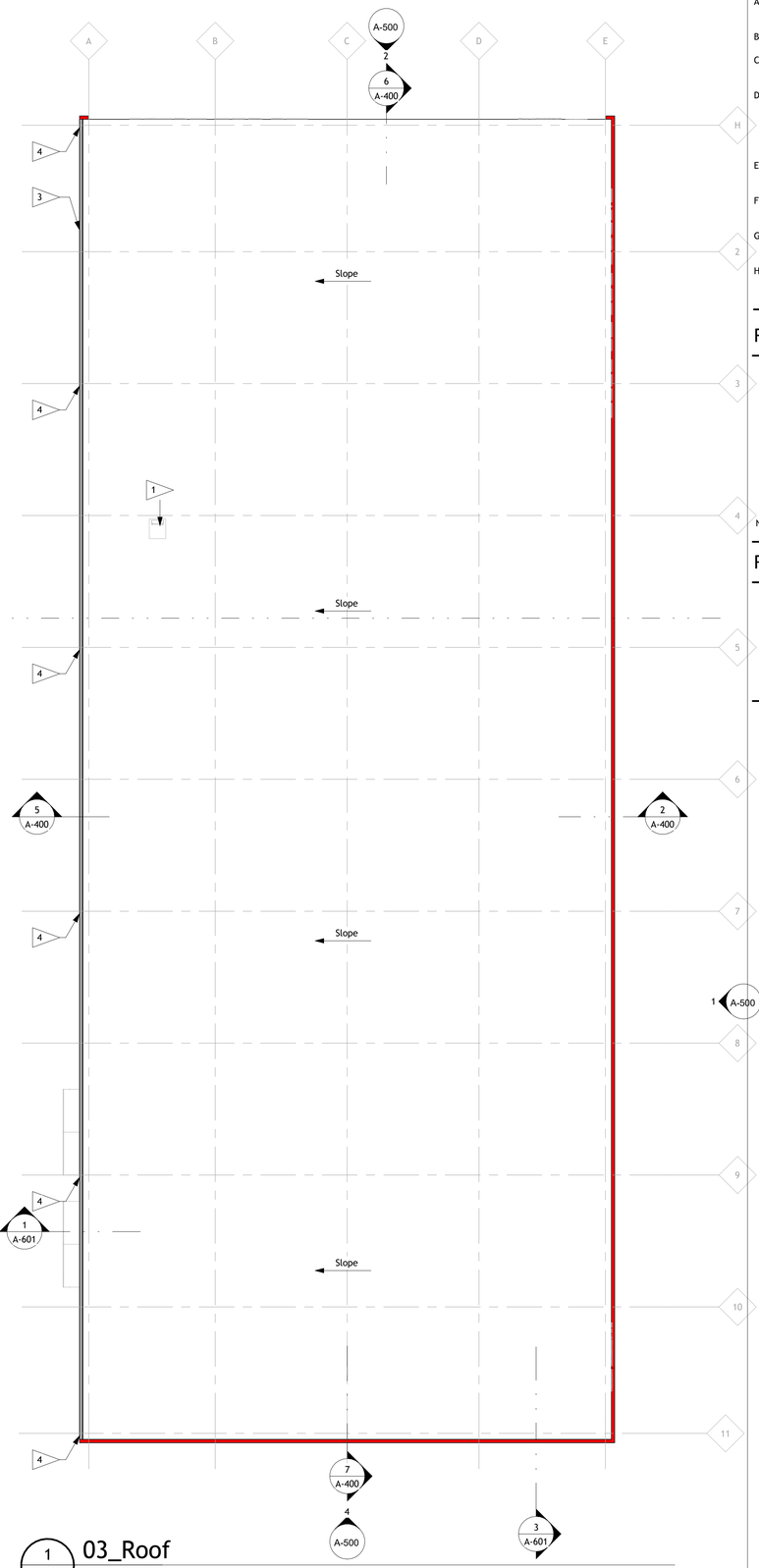


5 A-400 **Roof Eave Detail**
1 1/2" = 1'-0"



2 A-400 **Roof High Edge Detail**
1 1/2" = 1'-0"

1 A-600



A-500 3

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

Roof Crickets. All roof crickets shall be sloped 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.

Roof coping. Refer to spec's & A-500s for elevations

Combo roof drain w/ secondary overflow. Drain to daylight. Refer to Spec.

Note: Coordinate with architect prior to installation.

Roof Plan Keynotes

1. Roof access hatch w/ guardrail. Refer to A-250s for roof access ladder placement. Refer to manufacturer details & specifications.
2. Walkway pads as spec'd.
3. Commercial 8" Box gutter. Slope 1/8" per 1'-0"
4. 4" downspout, tie to site storm system

KEY PLAN
N.T.S
N

1 A-400 **03_Roof**
3/32" = 1'-0"

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Sealed: 04/25/2025

DRAWING NAME:
Roof Plan

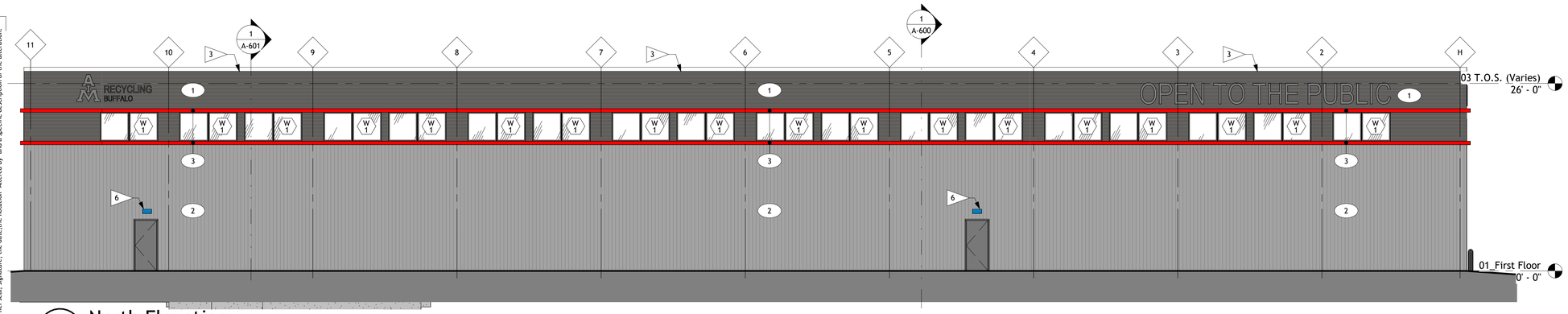
Date: 11/06/2026
Drawn By: Author
Checked By: Checker

DRAWING NO.
A-400

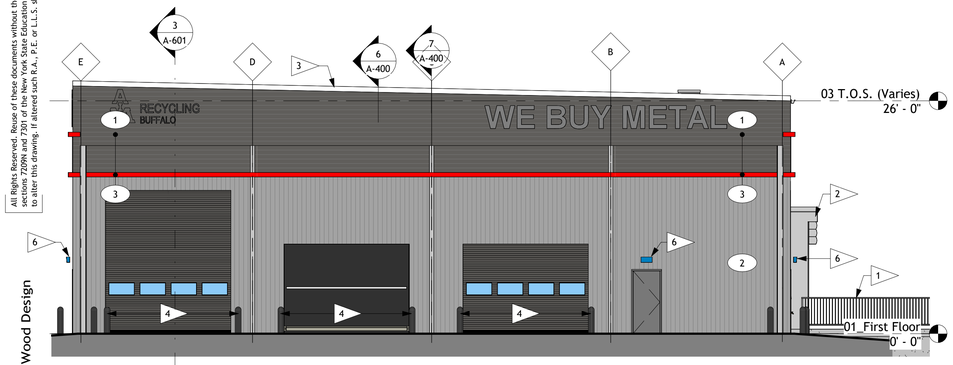
Project No: 24-1121

Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:16:28 PM

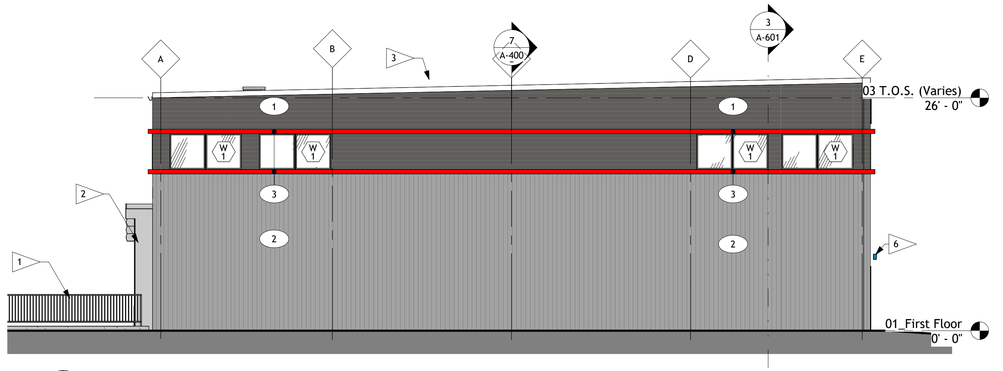
All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING: it is a violation of article 145, sections 7209A and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.



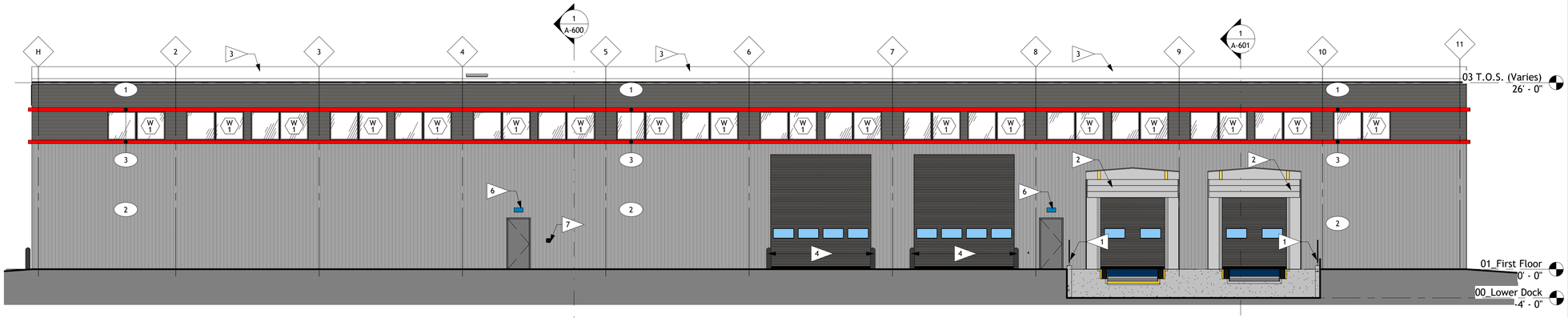
1 A-500 North Elevation
1/8" = 1'-0"



2 A-500 West Elevation
1/8" = 1'-0"



4 A-500 East Elevation
1/8" = 1'-0"



3 A-500 South Elevation
1/8" = 1'-0"

Exterior Finish Schedule			
Callout	Pattern	Material	Description
1		Kingspan Panel	Metal Panel Manufacturer: Vicwest Color: 55174 Deep Grey
2		Kingspan Panel	Metal Panel Manufacturer: Vicwest Color: 56082 Regent Grey
3		Aluminum Trim	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. Guard railing as spec'd. Refer to details on A-250's.
2. Loading dock shelter. Blue Giant BG450IS
3. Roof edge coping. Refer to A-400's for details.
4. Concrete Pipe Bollard. Refer to 5/A-601 for details.
5. Exterior Sconce
   All Exterior sconces shall be 6'-0" above finish floor unless otherwise noted. Coordinate with Electrical for specs & locations.
6. Emergency Wall Pack
   Coordinate with Electrical for specs & locations.
7. Knox Box
   Coordinate with Fire Protection for specs & locations.
8. Hose Bib
   Coordinate with Plumbing for specs & locations.
9. FDC
   Coordinate with Plumbing for specs & locations.
10. ADA Push Button
    Coordinate with Electrical for specs & locations.
11. Louver
    Coordinate with Mechanical for specs & locations.
12. Overflow discharge
    Coordinate with Plumbing for specs & locations.

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

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:
No. Description Date

Sealed: 04/25/2025

DRAWING NAME:
Exterior Elevations

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

DRAWING NO.
A-500

Project No: 24-1121

© Carmina Wood Design

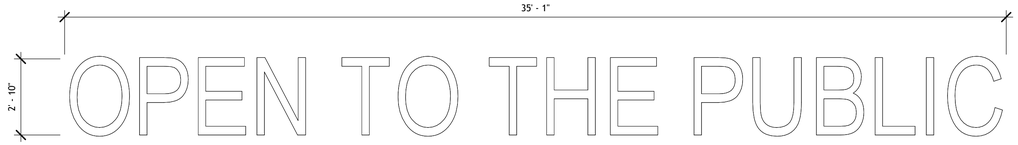
Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:16:51 PM

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING: it is a violation of article 145, sections 7209A and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design

Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:17:44 PM

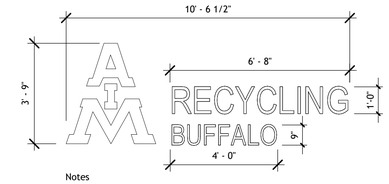
General Signage Note: Confirm font style and color information prior to production.



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

3 / A-501 — North Elevation - Open to the Public

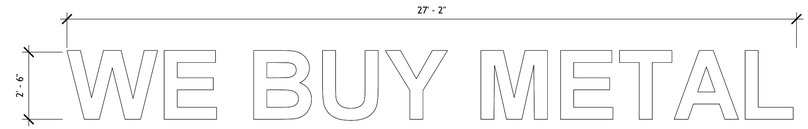
3/8" = 1'-0"



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

2 / A-501 — "AIM Recycling Buffalo"

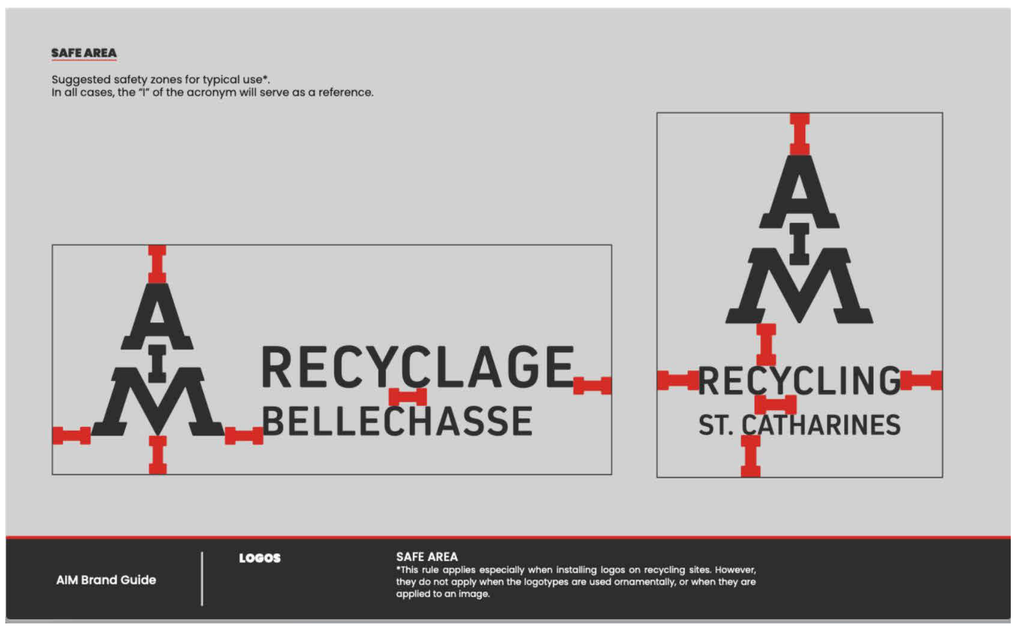
3/8" = 1'-0"



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

1 / A-501 — "We buy metal"

3/8" = 1'-0"



CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 04/25/2025

DRAWING NAME:

Exterior Signage and Details

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

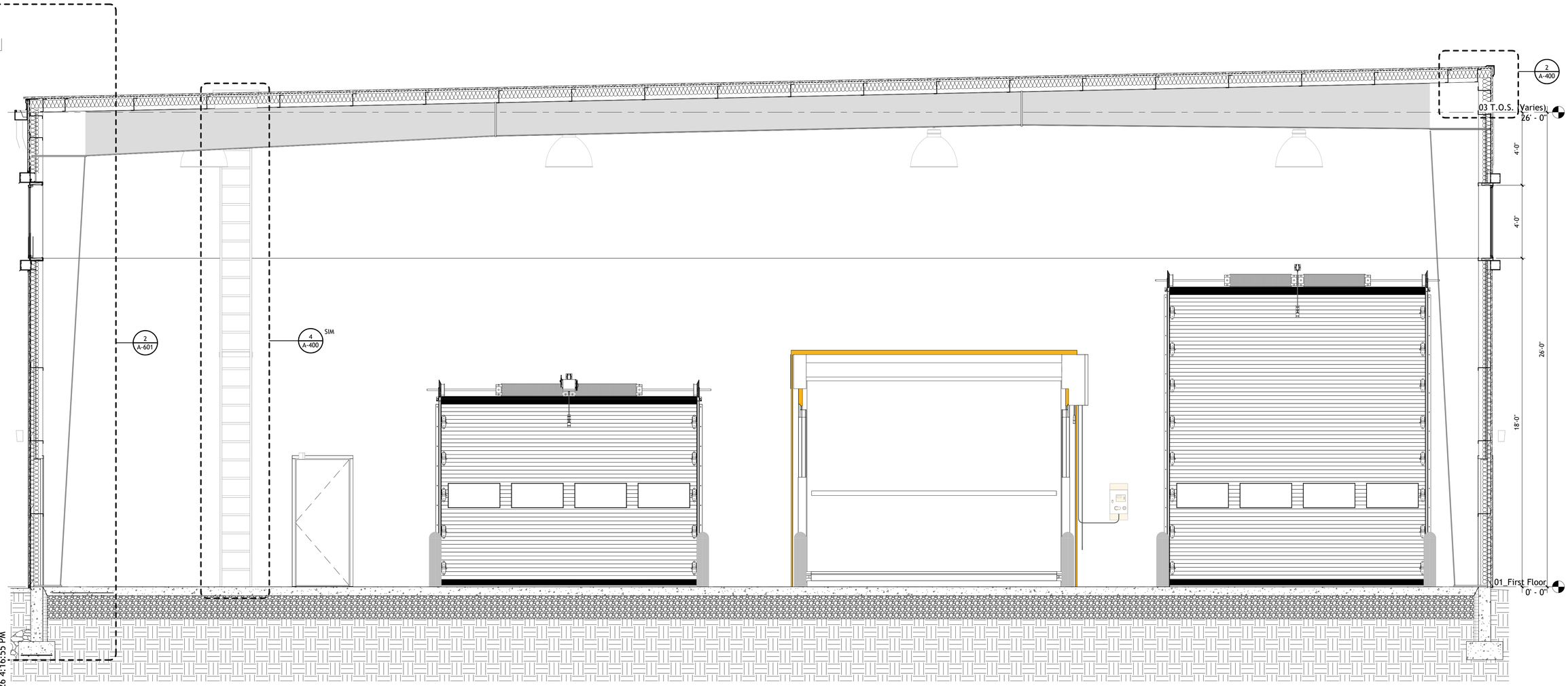
DRAWING NO.

A-501

Project No: 24-1121

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING: it is a violation of article 145, sections 7209A and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design



1 A-600 Building Section 2

3/8" = 1'-0"

Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:16:55 PM

CARMINAWOOD
DESIGN
Buffalo | Utica | Greensboro

RECYCLING
USA

Bid Set

AIM RECYCLING WAREHOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 04/25/2025

DRAWING NAME:

Building Sections & Details

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

DRAWING NO.

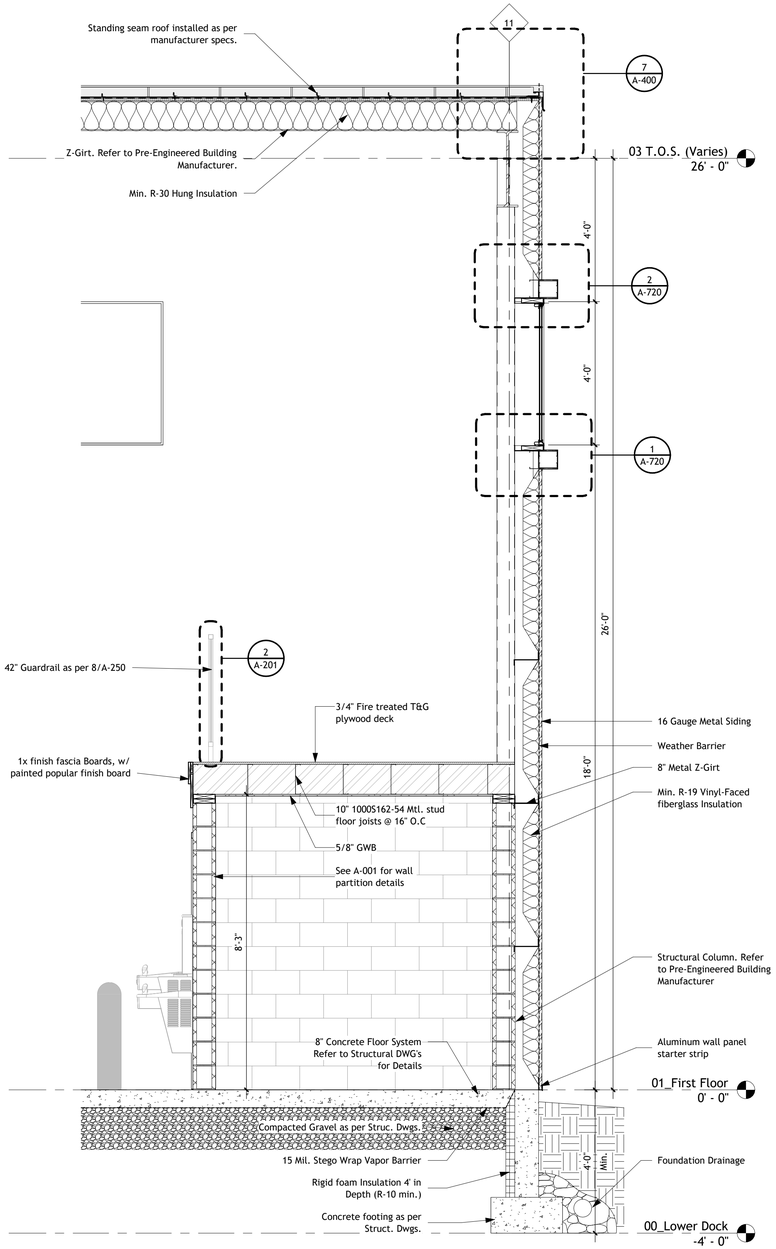
A-600

Project No: 24-1121

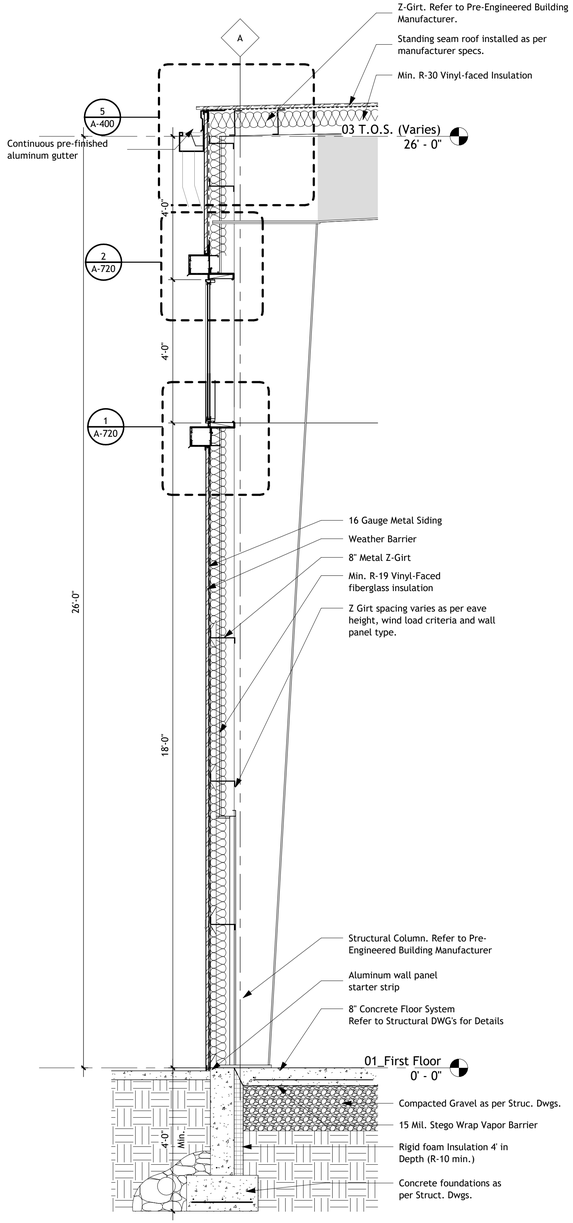
All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING: it is a violation of article 145, sections 7209A and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design

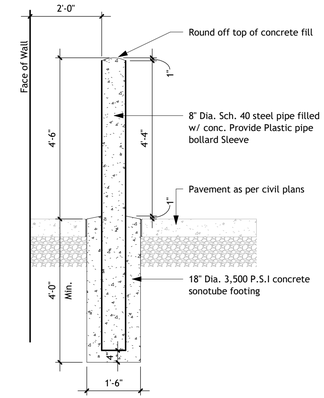
Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:16:58 PM



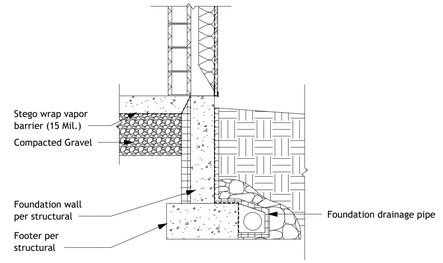
3 A-601 Wall Section
1/2" = 1'-0"



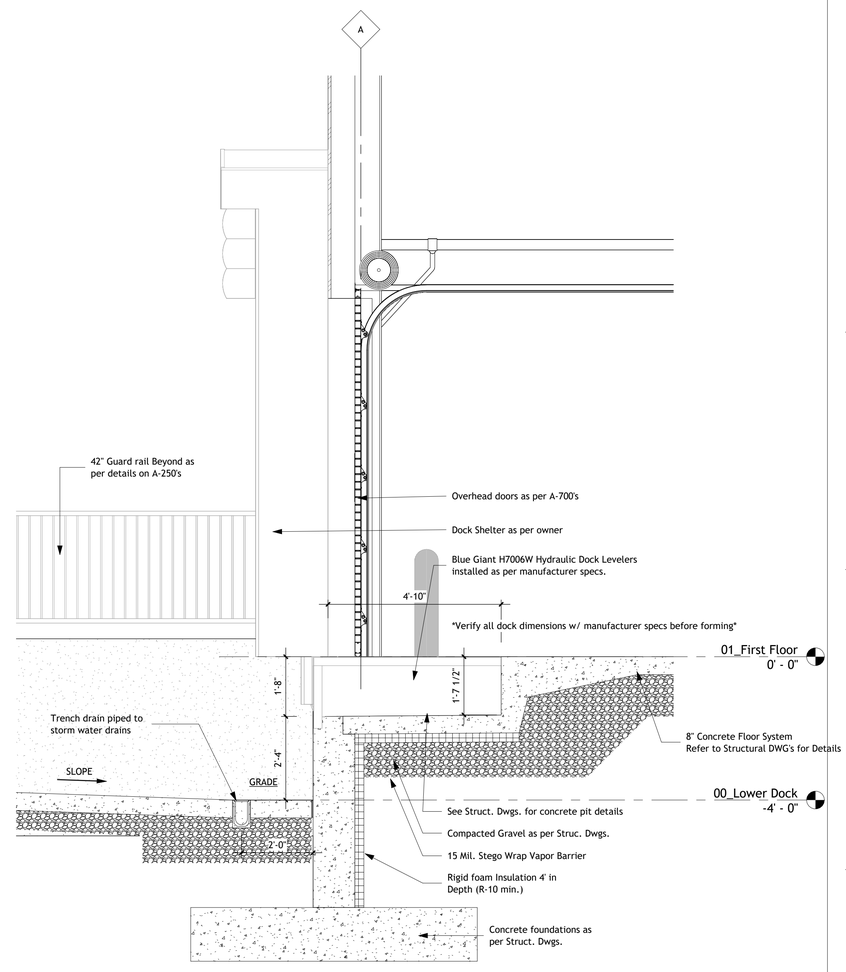
2 A-601 Wall Section TYP.
1/2" = 1'-0"



5 A-601 Pipe Bollard
1/2" = 1'-0"



4 A-601 Footing Detail
1/2" = 1'-0"



1 A-601 Section @ Overhead Door
1/2" = 1'-0"

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Scaled: 04/25/2025

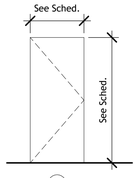
DRAWING NAME:
Building Sections & Details

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

DRAWING NO.
A-601

Project No: 24-1121

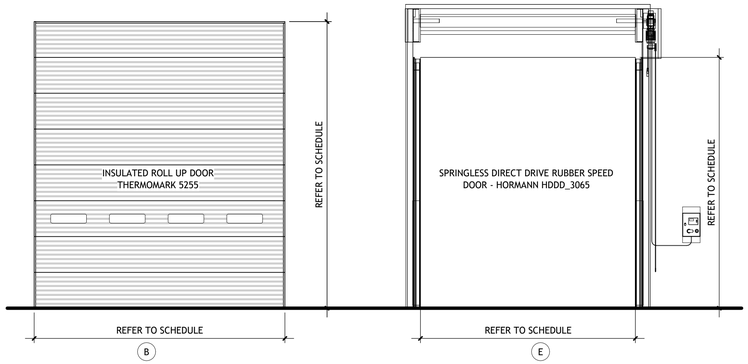
all Right Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209A and 7301 of the New York State Education Law for any person, persons acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation "Altered By" and a specific description of the alteration.



Solid Core Metal Door

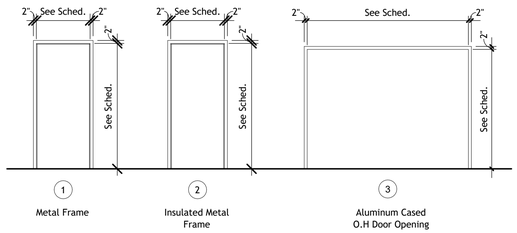
1 / A-700 Door Elevations

1/4" = 1'-0"



Overhead Door Elevations

1/4" = 1'-0"



2 / A-700 Door Frame Elevations

1/4" = 1'-0"

First Floor Door Schedule

Door No.	Height	Width	Frame Type	Frame Mat'l	Door Type	Door Mat'l	Number of Panels	Panel 1 Width	Panel 2 Width	Head Detail	Jamb Detail	Hardware Group	Fire Rating	Remarks	Door No.
102A	7' - 0"	3' - 0"	1	HM	A	HM	1	3' - 0"		H2	J2				102A
103A	7' - 0"	3' - 0"	1	HM	A	HM	1	3' - 0"		H2	J2				103A
105A	7' - 0"	3' - 0"	2	HM	A	HM	1	3' - 0"		H1	J1				105A
105B	7' - 0"	3' - 0"	2	HM	A	HM	1	3' - 0"		H1	J1				105B
105C	7' - 0"	3' - 0"	2	HM	A	HM	1	3' - 0"		H1	J1				105C
105D	7' - 0"	3' - 0"	2	HM	A	HM	1	3' - 0"		H1	J1				105D
105E	16' - 0"	14' - 0"	3	Alumn.	B	Alum.				H3	J3				105E
105F	10' - 0"	14' - 0"	3	Alumn.	C	Rubber				H3	J3				105F
105G	16' - 0"	14' - 0"	3	Alumn.	B	Alum.				H3	J3				105G
105H	16' - 0"	14' - 0"	3	Alumn.	B	Alum.				H3	J3				105H
105I	16' - 0"	14' - 0"	3	Alumn.	B	Alum.				H3	J3				105I
105J	10' - 0"	9' - 0"	3	Alumn.	B	Alum.				H3	J3				105J
105K	10' - 0"	9' - 0"	3	Alumn.	B	Alum.				H3	J3				105K
105L	7' - 0"	3' - 0"	2	HM	A	HM	1	3' - 0"		H1	J1				105L

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.

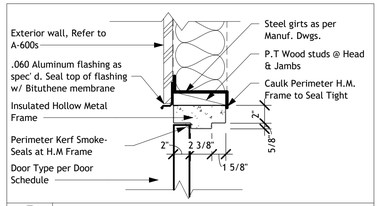
Glazing Schedule	
Tag	**Description**
IG-1	Insulated clear glass

Frame Types:
- Fiberglass Frames - Finish to be selected (Unless otherwise noted).
- Interior Frames - Refer to I-series drawings

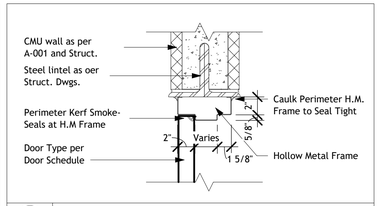
Notes:
- All glazing in hazardous locations as defined in IBC 2406.3 shall be safety glazing and be labeled per IBC paragraph 2406

Door Frame Details

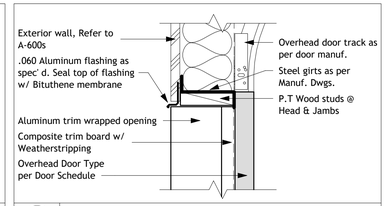
Door Head



H1 Exterior H.M. Frame - Head Detail

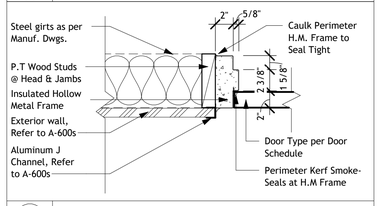


H2 H.M. Frame - Head Detail

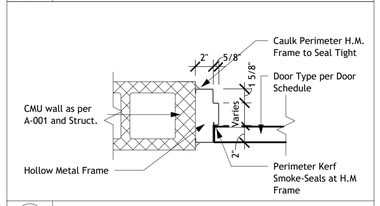


H3 Overhead Door - Head Detail

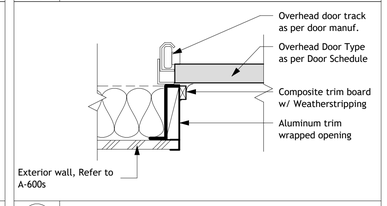
Door Jamb



J1 Exterior H.M. Frame - Jamb Detail

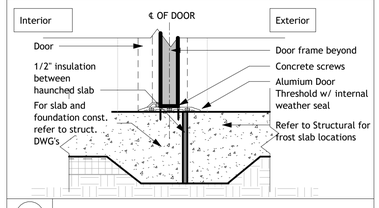


J2 H.M. Frame - Jamb Detail



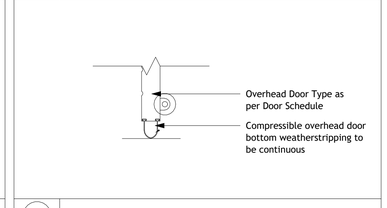
J3 Overhead Door - Jamb Detail

Door Sill



S1 Overhead Door Standard H.M. Frame Head Detail

S2 N/A



S3 Overhead Door Standard H.M. Frame Head Detail

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

AIM RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE

267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 04/25/2025

DRAWING NAME:

Door Elevations & Details

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

DRAWING NO.

A-700

Project No: 24-1121

© Carmina Wood Design

Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:17:00 PM

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING: it is a violation of article 145, section 7209A and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

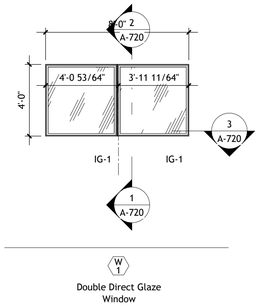
© Carmina Wood Design

Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:17:01 PM

Glazing Schedule	
Tag	**Description**
IG-1	Insulated clear glass

Frame Types:
- Fiberglass Frames - Finish to be selected (Unless otherwise noted).
- Interior Frames - Refer to I-series drawings

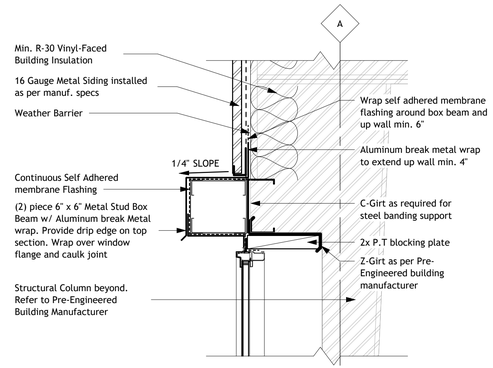
Notes:
- All glazing in hazardous locations as defined in IBC 2406.3 shall be safety glazing and be labeled per IBC paragraph 2406



Double Direct Glaze Window

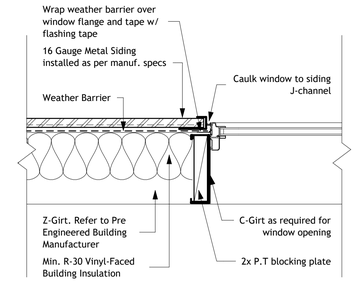
A-700s_Window Legend

1/4" = 1'-0"



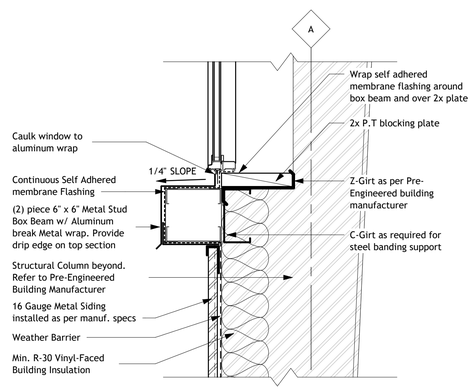
2 A-720 **Fixed Window Head Detail**

1 1/2" = 1'-0"



3 A-720 **Fixed Window Jamb Detail**

1 1/2" = 1'-0"



1 A-720 **Fixed Window Sill Detail**

1 1/2" = 1'-0"

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

AIM RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:		
No.	Description	Date

Sealed: 04/25/2025

DRAWING NAME:

Window Schedule & Details

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

DRAWING NO.

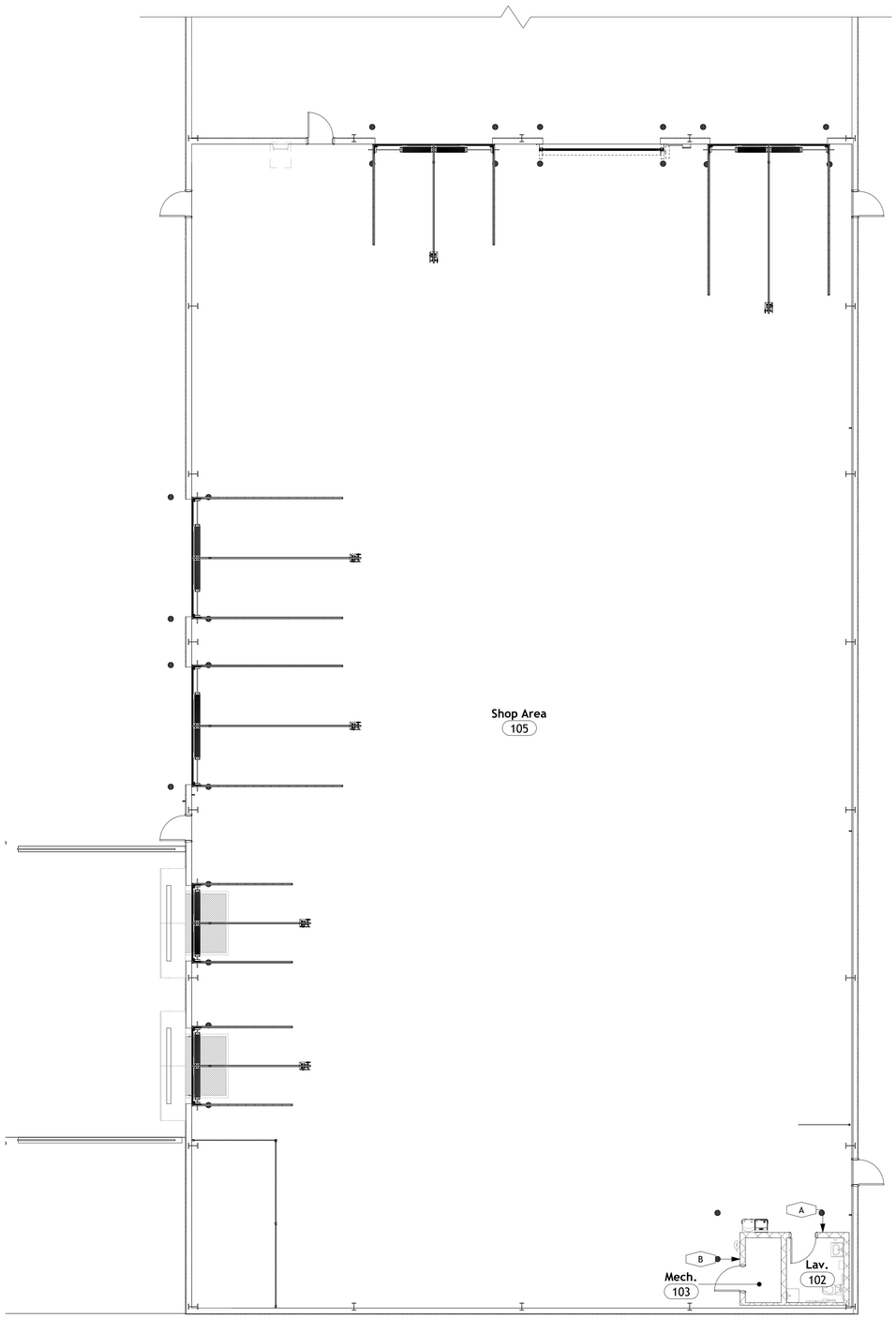
A-720

Project No: 24-1121

all Right Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING: it is a violation of article 145, section 7209A and 7301 of the New York State Education Law for any person, perfons acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design

Autodesk Docs://24-1121 AIM Recycling/24-1121_AIM Recycling.rvt
11/6/2026 4:17:43 PM



1 / I-100 Interior Signage Plan

1/8" = 1'-0"

Interior Finish Matrix					
Room	Walls	Wall Base	Floor	Ceiling	Comments
Lav.	PT-3	B-1	CONC-1	PT-1	
Mech.	PT-3	B-1	CONC-1	PT-1	
Shop Area	Exposed Insulation	N/A	CONC-1	Exposed Insulation	

Finish Notes:

1. H.M. door frames to be painted PT-5 in semi-gloss finish, U.N.O.
2. H.M. doors panels to be painted PT-5 in matte finish, U.N.O.
3. Columns to be painted PT-3 in semi-gloss finish, U.N.O.
4. Trusses to be painted PT-3 in semi-gloss finish, U.N.O.
5. Girts and all other structural steel to be painted PT-3 in semi-gloss finish, U.N.O.

Interior Finish Schedule

CONCRETE

CONC-1 Description: Sealed Concrete

BASE

B-1 Description: Rubber Base
Manufacturer: Johnsonite
Product: Johnsonite Baseworks Thermoset Rubber
Side: 4"
Type: Toe
Color: Black
Size: 4"h; Roll Goods

Electrical Device Cover Finish

Dectription: Fiish for all wall plates, recepticales, jackets, ETC.
Finish: Black

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.

Interior Signage Schedule					
Number	Name	Signage - Type	Signage - Image/Copy	Signage - Mount	Signage - Notes
102	Lav.	A	"Restroom"	1	
103	Mech.	B	"Mechanical"	1	

Signage Information

Manufacturer: Inpro
Style: Standard Architectural Signage
Collection: Aspen 1
Sign Material: Palladium Rigid Vinyl
Face Plate Color: 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:

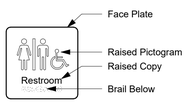
1.) Latch side of door, as indicated on signage plans. Mount @ 48" a.f.f. and 6" to sign center from edge of frame.

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

3.) All office/room signs to beinstalled on the sidelight @ 54" a.f.f. w/ a signage backer on the opposite side of the sidelight for a professional appearance.

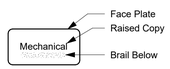
General Note:

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

X ← Signage; See Signage Schedule for information.

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

RECYCLING USA

Bid Set

AIM RECYCLING WAREHOUSE
267 Marilla Street,
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: xx/xx/xxxx

DRAWING NAME:

Signage Plan, Schedule & Legend

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

DRAWING NO.

I-100

Project No: 24-1121

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation "Altered By" and a specific description of the alteration.

© Carmina Wood Design

ROOFTOP AIR CONDITIONING UNIT SCHEDULE - (GAS HEAT/ ELECTRIC COOLING)

UNIT NO.	LOCATION	CFM STD AIR	MIN OA CFM	TONS	EXT SP (IN WG)	FILTER	NG HEATING		INDOOR MOTOR					COOLING COIL			MCA	MOP	DESIGN EQUIPMENT CARRIER	WEIGHT	ACCESSORIES
							INPUT MBH	OUTPUT MBH	RPM	BHP	VOLTS	PHASE	STARTER	CAPACITY (MBH) TOTAL	CAPACITY (MBH) SEN.	EER/SEER					
RTU-1	ROOFTOP	8000	650	–	2.00	2" THROWAWAY	400	320	1706	6.7	480	3	YES	–	–	–	3	15	39MW14W	3600 LBS	1,2,3,4,5,6,7

ACCESSORIES:
1. 14" ROOF CURB
2. DIRECT DRIVE FAN WITH VFD
3. FILTER/MIXING BOX
4. MERV 8 FILTERS
5. REAR INLET HOOD
6. 409SS HEAT EXCHANGER
7. OUTDOOR VENT KIT

UNIT HEATER SCHEDULE (GAS HEAT)

UNIT NO.	REZNOR MODEL	CFM	MOTOR H.P.	HEATING (MBH) INPUT	HEATING (MBH) OUTPUT	POWER	FLA	MOCP	UNIT WEIGHT	FLUE	ACCESSORIES
UH-1	UBXC-125	2000	3/4	120	99.6	120V/1P	13	30	171 LBS	6" CAT III VENT	1,2,3,4
UH-2	UBXC-125	2000	3/4	120	99.6	120V/1P	13	30	171 LBS	6" CAT III VENT	1,2,3,4
UH-3	UBXC-125	2000	3/4	120	99.6	120V/1P	13	30	171 LBS	6" CAT III VENT	1,2,3,4
UH-4	UBXC-125	2000	3/4	120	99.6	120V/1P	13	30	171 LBS	6" CAT III VENT	1,2,3,4
UH-5	UBXC-125	2000	3/4	120	99.6	120V/1P	13	30	171 LBS	6" CAT III VENT	1,2,3,4

ACCESSORIES
1. PROVIDE DISCONNECT SWITCH.
2. PROVIDE HANGING KIT WITH VIBRATION ISOLATORS.
3. PROVIDE HORIZONTAL CAT III VENT PIPE AND CAP.
4. PROVIDE THERMOSTAT.

AIR DEVICE SCHEDULE

MARK	TYPE	STYLE	FACE	BASIS OF DESIGN
A	SUPPLY	DUCT MOUNTED	SEE PLANS	TITUS TMRA-AA

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.

SHOP AREA EXHAUST FAN SCHEDULE

UNIT NO.	AREA SERVED	GREENHECK MODEL NO.	TYPE	CFM	S.P. (IN WC.)	FAN RPM	LIGHT	OPERATING POWER	EC MOTOR INFORMATION VOLTAGE	ENCL.	RPM	SONES	NOTES
EF-1	SHOP AREA	AER-20-03-0328	WALL	5000	0.25	1750	NA	3/4 HP	460/3ø	ODP	1750	26	1,2,3,4
EF-2	SHOP AREA	AER-20-03-0328	WALL	5000	0.25	1750	NA	3/4 HP	460/3ø	ODP	1750	26	1,2,3,4

NOTES:
1. PROVIDE DISCONNECT
2. CONTROLLED BY WALL SWITCH
3. MOTOR GUARD.
4. GRAVITY DAMPER, WD-320PB-22x22

CEILING EXHAUST FAN SCHEDULE

UNIT NO.	AREA SERVED	BROAN MODEL NO.	TYPE	CFM	S.P. (IN WC.)	FAN RPM	LIGHT	OPERATING POWER	MOTOR INFORMATION VOLTAGE	ENCL.	RPM	SONES	NOTES
EF-3	RESTROOM	L100E	CEILING	100	0.125	799	NO	19 W	115/60/1ø	ODP	799	0.8	1,2,3,4

NOTES:
1. CONTROLLED BY SWITCH
2. PROVIDE MANUFACTURER'S WALL CAP.
3. PROVIDE BACKDRAFT DAMPER
4. PROVIDE HANGING KIT WITH VIBRATION ISOLATORS.

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.

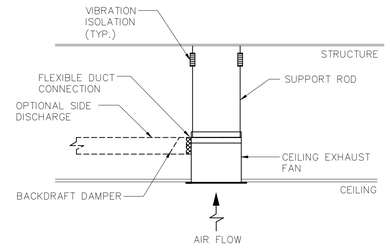
G. COORDINATE EXACT LOCATION OF HVAC UNITS WITH ARCHITECTURAL DRAWINGS AND STRUCTURAL STEEL.

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

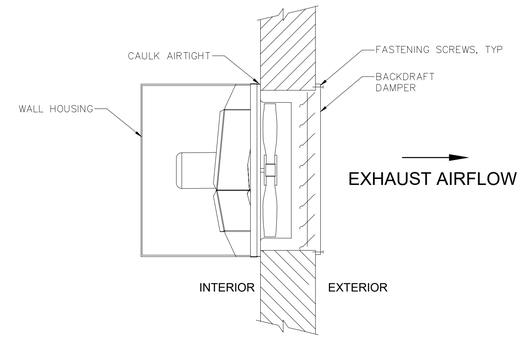
MECHANICAL LEGEND

	SUPPLY DIFFUSER
	EXHAUST FAN
UD	UNDERCUT DOOR (3/4")
	EXHAUST AIR DUCTWORK
	SUPPLY AIR DUCTWORK
	BALANCE/VOLUME DAMPER
T	PROGRAMMABLE THERMOSTAT (+48"AFF)
F	LARGE FAN CONTROLLER (+48"AFF)
1 / M-100	DETAIL NUMBER / DRAWING SHEET NUMBER

AFF	ABOVE FINISHED FLOOR
RTU	ROOF TOP UNIT
VD	VOLUME DAMPER
CFM	CUBIC FEET PER MINUTE
FD	FIRE DAMPER
O.A.	OUTSIDE AIR
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
HVAC	HEATING VENTILATING AND AIR CONDITIONING
MC	MECHANICAL CONTRACTOR



1 / M-100 CEILING EXHAUST FAN DETAIL
SCALE : NONE



2 / M-100 AXIAL EXHAUST FAN DETAIL
SCALE : NONE

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE
267 Maritta 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.

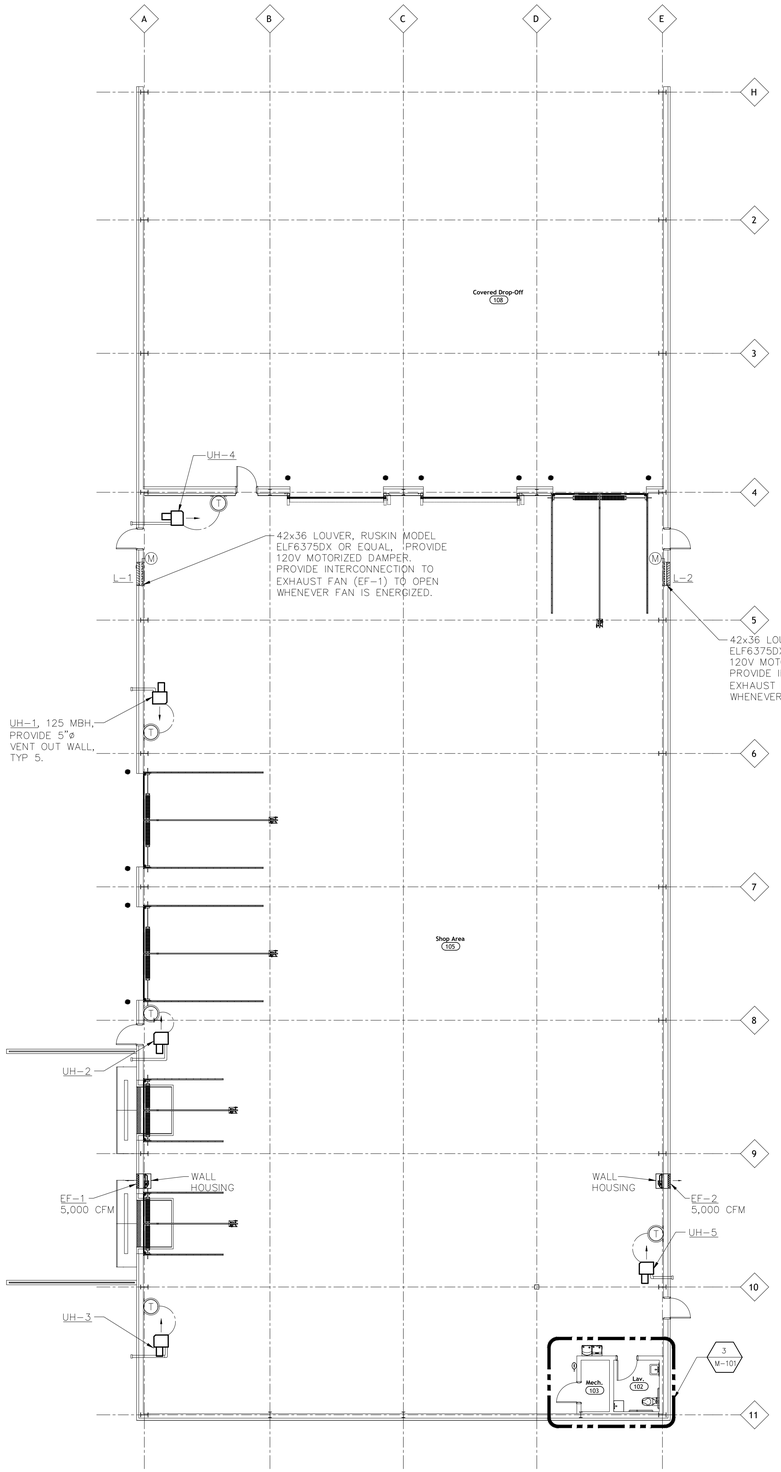
M-100

Project No: 24.1121

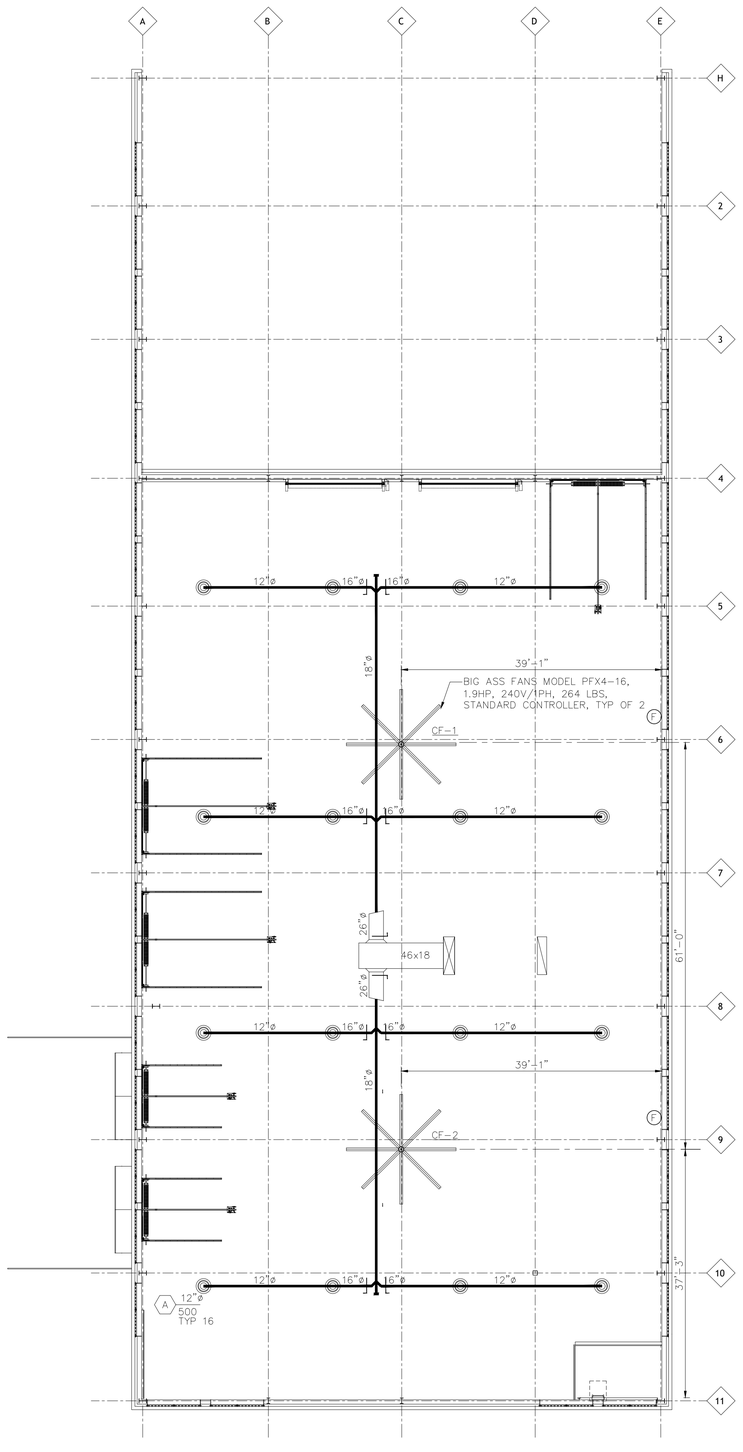
KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation "Altered By" and a specific description of the alteration.

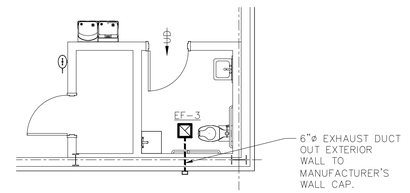
© Carmina Wood Design



1 M-101 FIRST FLOOR PLAN NORTH
SCALE: 3/32" = 1'-0"



2 M-101 FIRST FLOOR (UPPER AREA) PLAN NORTH
SCALE: 3/32" = 1'-0"



3 M-101 ENLARGED PARTIAL FIRST FLOOR NORTH
SCALE: 3/16" = 1'-0"

GENERAL LARGE FAN NOTES

1. VERIFY EXTENSION TUBE LENGTH AND MOUNTING BRACKET WITH MANUFACTURER PRIOR TO ORDERING.
2. BOTTOM OF HVLS FANS SHALL BE AT LEAST 10' AFF.
3. FANS SHALL BE AT LEAST 2' AWAY, IN ALL DIRECTIONS, FROM POSSIBLE OBSTRUCTIONS.
4. FANS SHALL NOT BE WITHIN 1X OF THE FAN DIAMETER OF EXHAUST OR RETURN FAN INTAKES, AND SHALL NOT BE IN DIRECT LINE OF DISCHARGE OF HVAC EQUIPMENT.
5. HVLS FAN EXTENSION TUBES 4' OR LONGER SHALL BE INSTALLED WITH GUY WIRES PER THE MANUFACTURER'S INSTALLATION REQUIREMENTS.
6. FANS SHALL BE BE SPACED CENTER-TO-CENTER AT LEAST TWO AND ONE-HALF TIMES THE DIAMETER OF THE LARGEST FAN AWAY FROM NEIGHBORING FANS.

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE
267 Marilla Street
Buffalo, NY 14220

REVISIONS:
No. Description Date



Sealed: 11/06/2026

DRAWING NAME:

FLOOR PLANS

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

DRAWING NO.

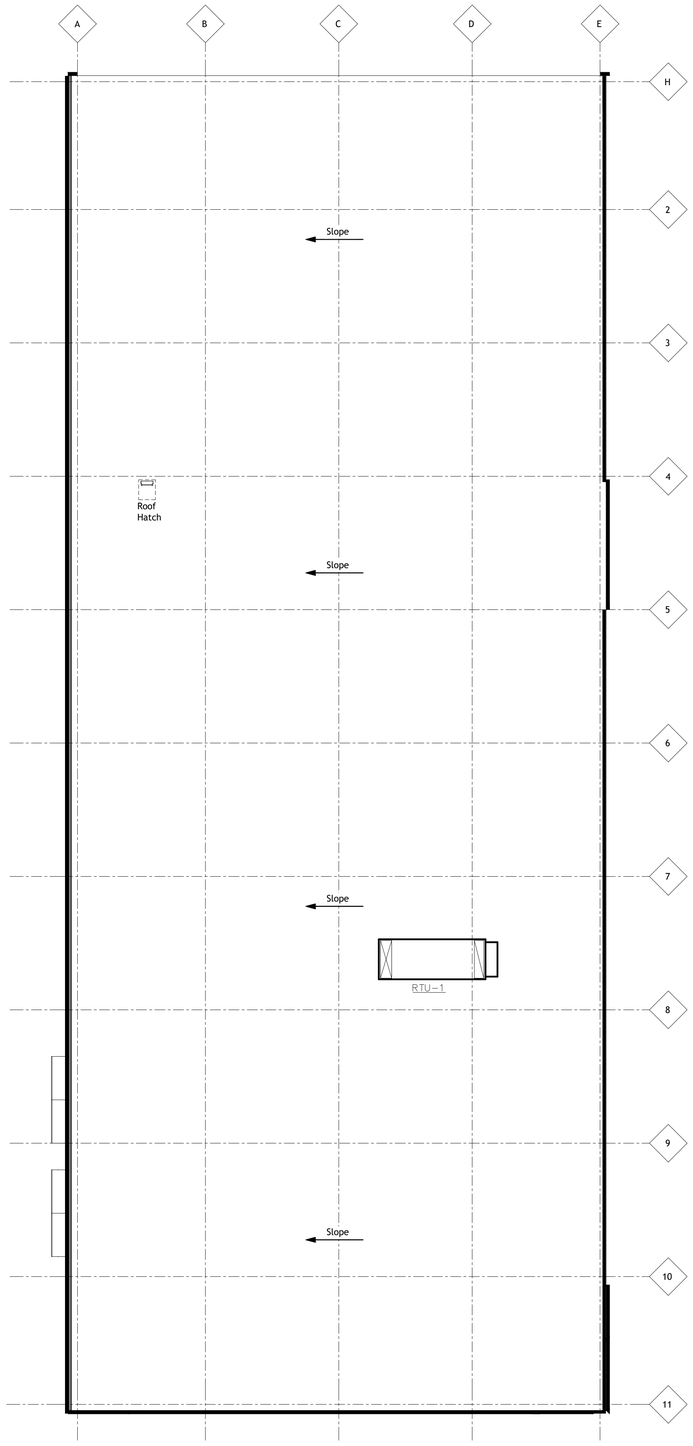
M-101

Project No: 24.1121

KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

© Carmina Wood Design

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation "Altered By" and a specific description of the alteration.



1 ROOF PLAN
M-102 SCALE: 3/32" = 1'-0"

NORTH

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.

KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE
267 Marilla Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

STATE OF NEW YORK
KEVIN R. OSCHMANN
LICENSED PROFESSIONAL ENGINEER
No. 79446

Sealed: 11/06/2026

DRAWING NAME:

ROOF PLAN & SPECIFICATIONS

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

DRAWING NO.

M-102

Project No: 24.1121

© Carmina Wood Design

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

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
- PB — HANDICAP PUSH BUTTON
- ES — ELECTRIC DOOR STRIKE
- CR — CARD READER
- PP — POWER POLE
- ES — ELECTRIC DOOR STRIKE
- GM — GAS MONITOR
- SC — FAN SPEED CONTROL
- MD — MOTORIZED DAMPER

LIGHTING SYMBOLS

- LIGHTING FIXTURES, UPPERCASE LETTER INDICATES FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) 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 / S1a,b — 3-WAY SWITCH II = 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 — PHOTOELECTRIC SMOKE SENSOR WITH INTEGRAL HEAT ELEMENT–PROVIDED WITH SOUNDER BASE. 110V
- HD — PHOTOELECTRIC SMOKE SENSOR WITH INTEGRAL HEAT ELEMENT 135°F. 110V
- H/S — COMBINATION HEAT/SMOKE DETECTOR. 110V
- CO — CARBON MONOXIDE DETECTOR. 110V
- IND — IONIZATION TYPE SMOKE SENSOR. 110V
- RS — COMBINATION OF RATE-OF-RISE & FIXED TEMPERATURE HEAT DETECTOR, UNLESS OTHERWISE NOTED FIXED-135°F & ROR-15°F/MIN
- 190°F RS — FIXED TEMPERATURE ELEMENT HEAT DETECTOR. TAG HEAT ELEMENT INDICATES RATING
- DD — DUCT DETECTOR. PROVIDE HOUSING COMPLETE WITH SAMPLING TUBES & IN A WEATHERPROOF ENCLOSURE IF INSTALLED OUTDOORS
- F — MANUAL PULL STATION, UNLESS OTHERWISE NOTED, PROVIDE DUAL ACTION.
- FIRE ALARM NOTIFICATION AUDIO/VISUAL DEVICE. PROVIDE 15cd STROBE RATING UNLESS OTHERWISE NOTED
- FIRE ALARM NOTIFICATION VISUAL DEVICE. PROVIDE 15cd STROBE RATING UNLESS OTHERWISE NOTED
- FIRE ALARM NOTIFICATION AUDIBLE DEVICE
- ELECTRIC WATERFLOW BELL CONNECTION. BELL IS PROVIDED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR
- FAAP — FIRE ALARM ANNUCIATOR PANEL
- FACP — FIRE ALARM CONTROL PANEL
- AUX — FIRE ALARM AUXILIARY RELAY
- CZAM — FIRE ALARM CONTROLLABLE ZONE ADDRESSABLE MODULE
- IAM — FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE
- FIRE ALARM CONNECTION TO SPRINKLER FLOW SWITCH
- FIRE ALARM CONNECTION TO SPRINKLER TAMPER SWITCH
- ELECTROMAGNETIC DOOR HOLDER–SHALL RELEASE UPON FIRE ALARM ACTUATION
- S — FIRE ALARM CONNECTION TO FIRE/SMOKE DAMPER
- REMOTE TEST STATION
- FS — FAN SHUTDOWN RELAY

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 2010, 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.

KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE

267 Marilla Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

STATE OF NEW YORK — KEVIN M. DOLL — No. 78144 — LICENSED PROFESSIONAL ENGINEER

Sealed: 11/06/2026

DRAWING NAME:

ELECTRICAL NOTES AND LEGENDS

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

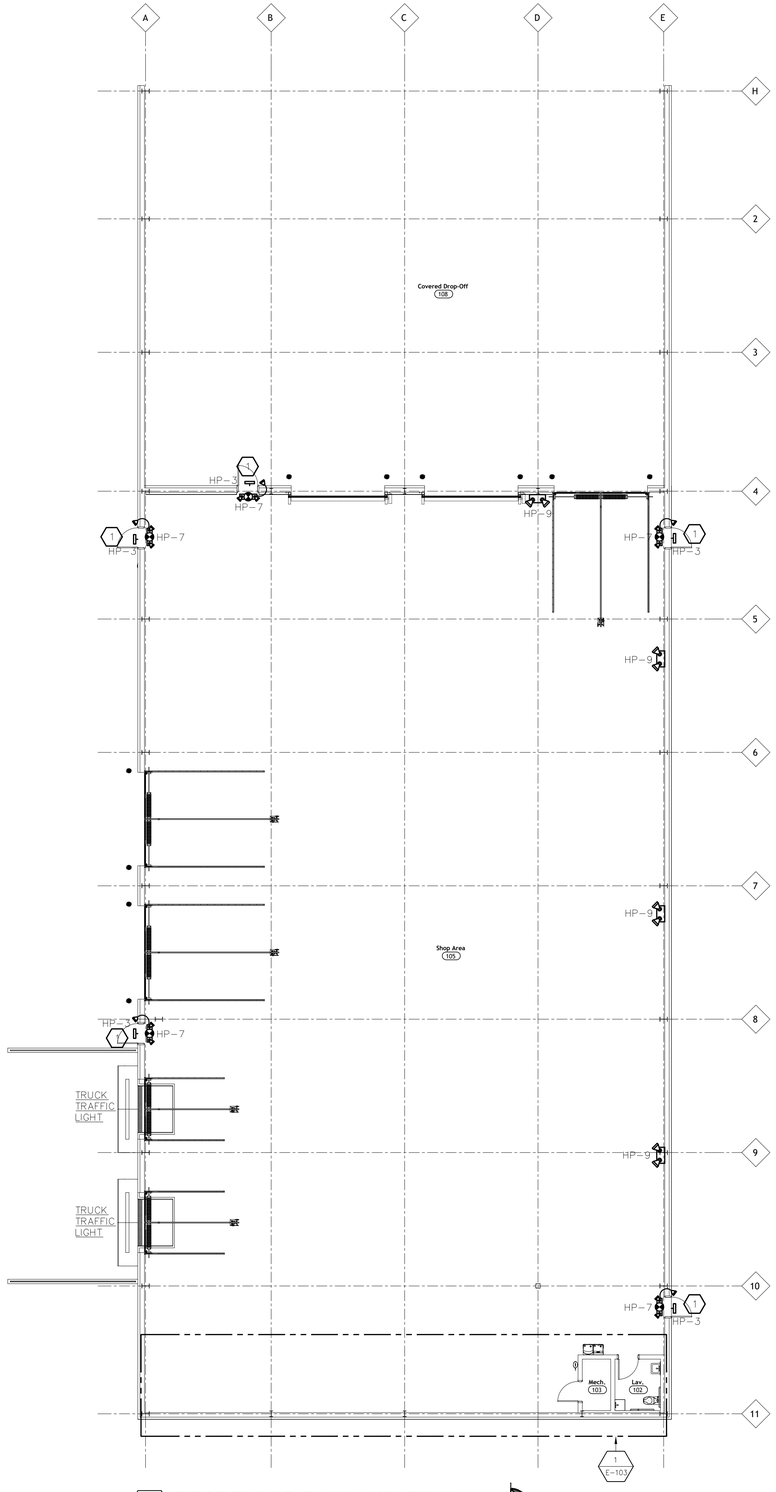
DRAWING NO.

E-100

Project No: 24.1121

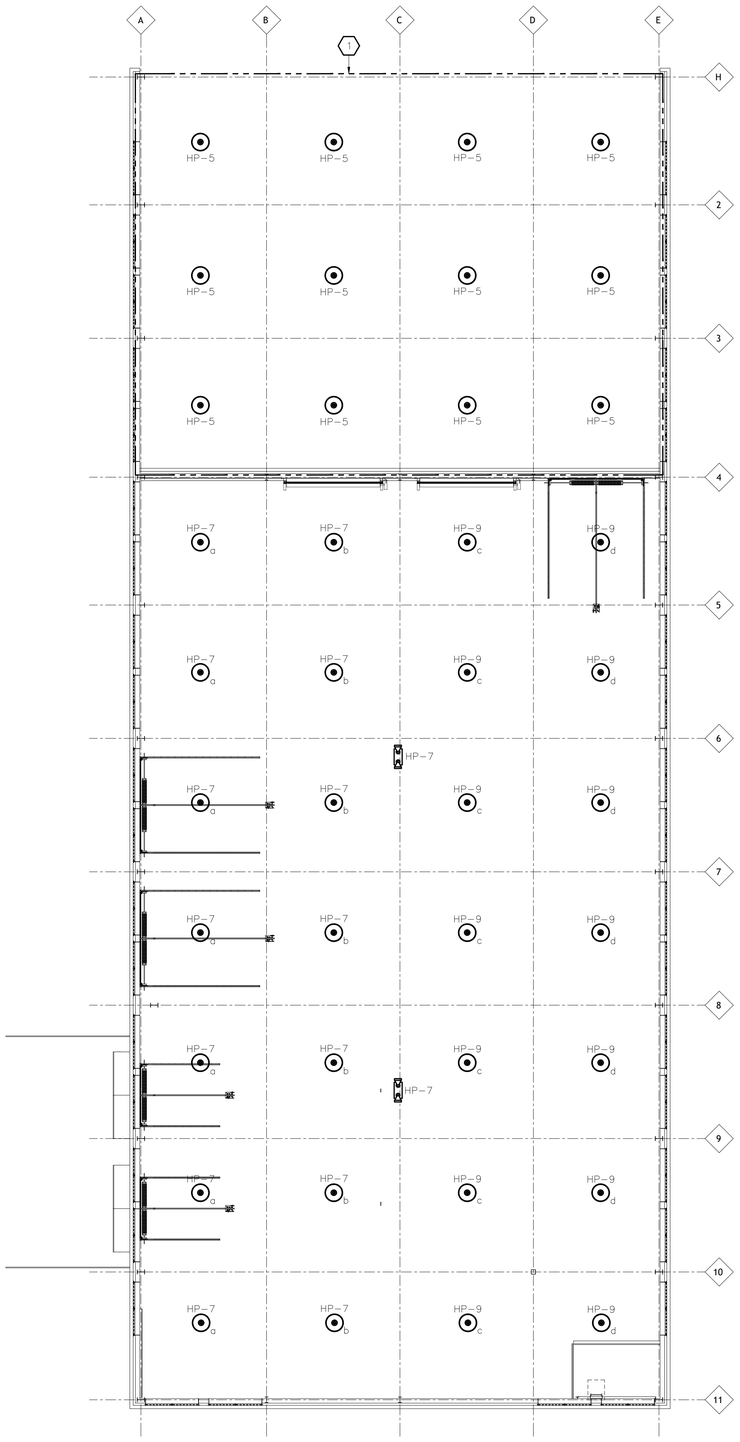
© Carmina Wood Design

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation "Altered By" and a specific description of the alteration.



1 E-101 FIRST FLOOR PLAN - LIGHTING
SCALE: 3/32" = 1'-0"

NORTH



2 E-101 SECOND FLOOR PLAN - LIGHTING
SCALE: 3/32" = 1'-0"

NORTH

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, LIGHTING CONTACTOR.
2. PROVIDE A DEDICATED 20A/1P CIRCUIT FOR EXTERIOR SIGN LOCATION (TERMINATING TO A MANUALLY SET 24-HOUR SIGNAGE TIMECLOCK MODEL TORK EWZ101). IF EXISTING, ENSURE GOOD WORKING ORDER.

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE

267 Marilla Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

FLOOR PLANS - LIGHTING

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

DRAWING NO.

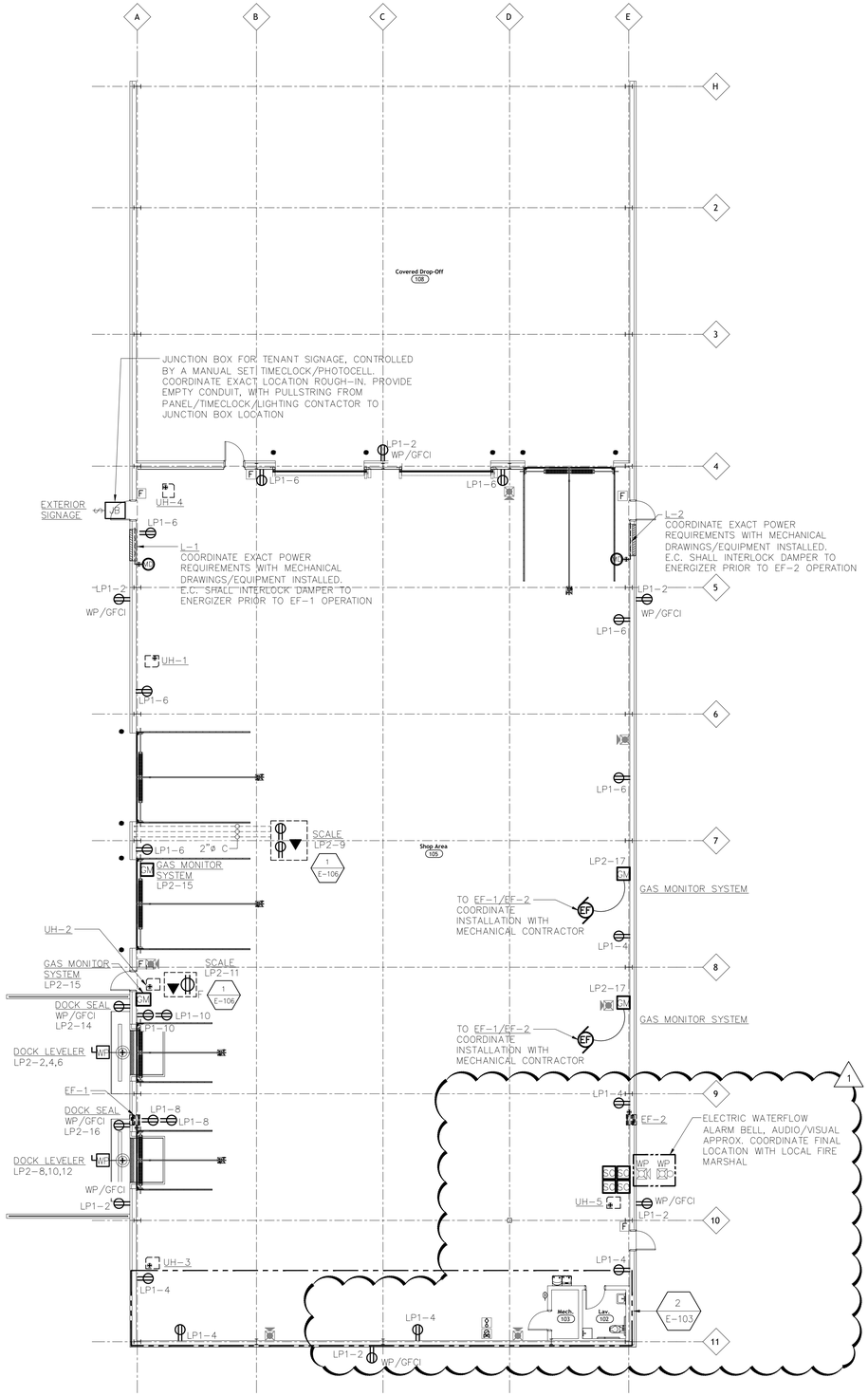
E-101

Project No: 24.1121

KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

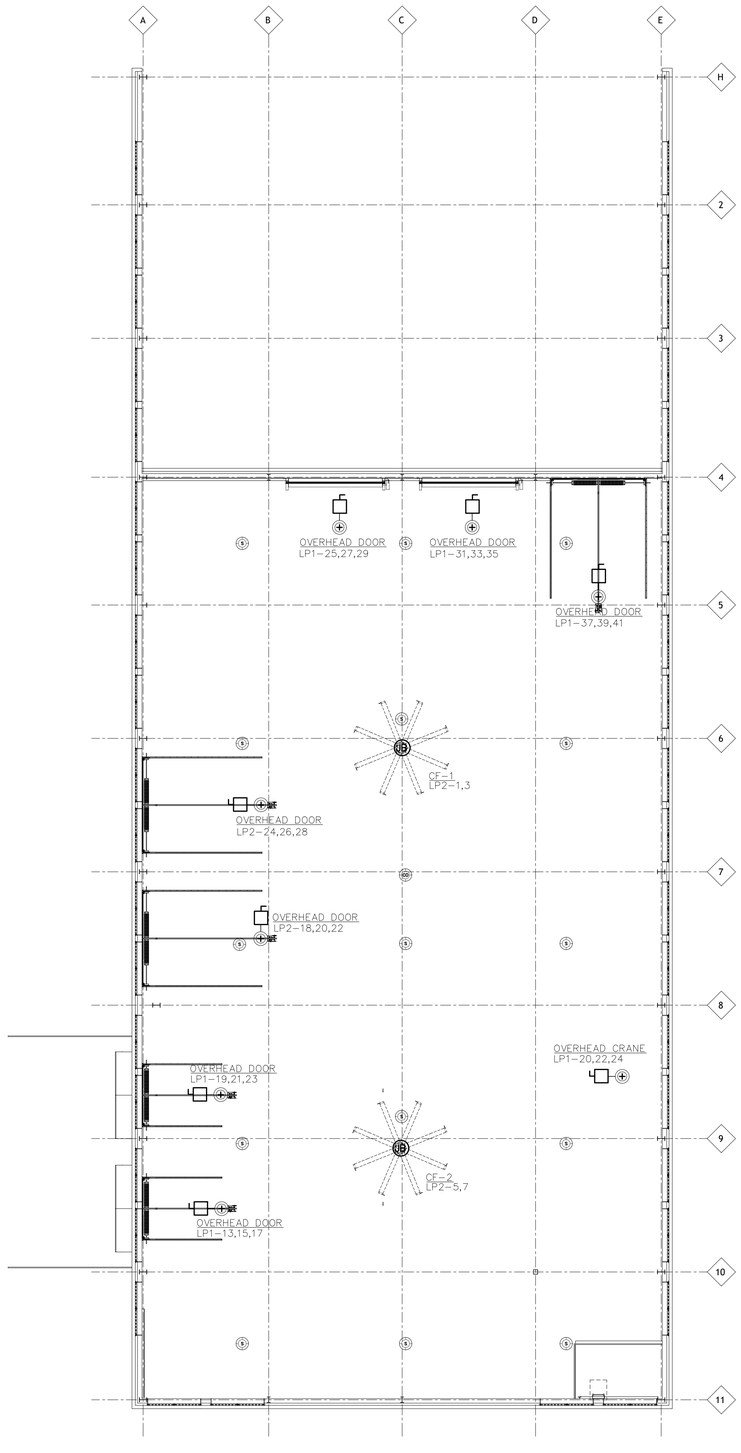
© Carmina Wood Design

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.



1 FIRST FLOOR PLAN - POWER
E-102 SCALE: 3/32" = 1'-0"

NORTH



2 SECOND FLOOR PLAN - POWER
E-102 SCALE: 3/32" = 1'-0"

NORTH

KEYED NOTES - POWER:

1. WATER COOLER SHALL BE PROTECTED BY A 20A/1P GFCI TYPE CIRCUIT BREAKER BACK TO ELECTRIC PANEL "LP1".
2. PROVIDE WEATHERPROOF GFI RECEPTACLE (FIELD INSTALLED) FOR ROOFTOP UNITS (TYP OF 2), PROVIDE A 20A/1P CIRCUIT BACK TO ELECTRIC PANEL "LP2-11".
3. ROOFTOP UNIT, 480V-3ø-60, FURNISHED AND INSTALLED COMPLETE WITH NEMA 3R DISCONNECT SWITCH BY E.C., WIRED BY ELECTRICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR FOR ALL REQUIRED WIRING.
4. PROVIDE JUNCTION BOX FOR TENANT SIGNAGE. PROVIDE EMPTY CONDUIT W/PULLSTRING BACK TO DISTRIBUTION PANEL. CONTROLLED BY TIMECLOCK/PHOTOCELL. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION. FIXTURE SHALL BE SPECIFIED BY BUILDING OWNER.
5. 3.0 KW ELECTRIC WATER HEATER. E.C. TO FURNISH AND INSTALL 25A-2P DISCONNECT. VERIFY BREAKER SIZE WITH EQUIPMENT PURCHASED.

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE

267 Marilla Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

STATE OF NEW YORK — KEVIN R. OLCOMENDY — NO. 78446 — LICENSED PROFESSIONAL ENGINEER

Sealed: 11/06/2026

DRAWING NAME:

FLOOR PLANS - POWER

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

DRAWING NO.

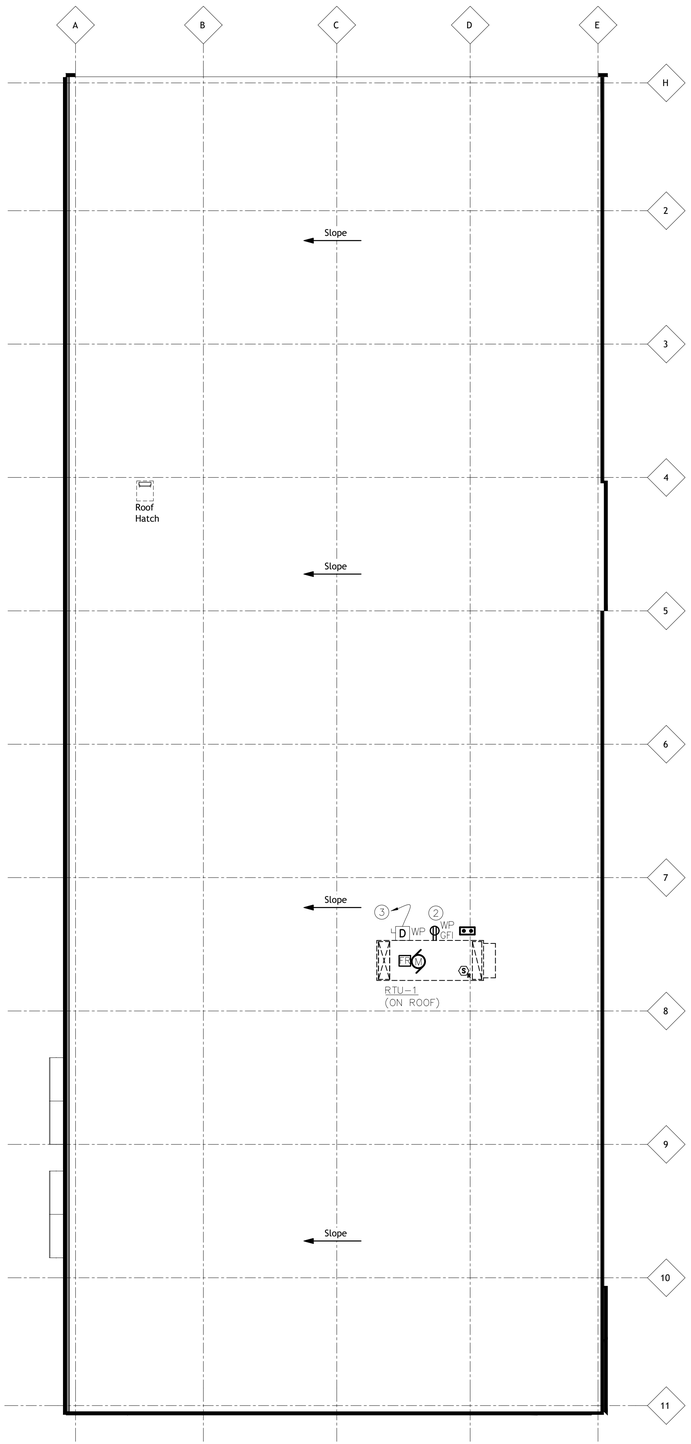
E-102

Project No: 24.1121

KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

© Carmina Wood Design

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation "Altered By" and a specific description of the alteration.



1 E-102A ROOF PLAN - POWER SCALE: 3/32" = 1'-0"

NORTH

GENERAL NOTE:

1. REFER TO DRAWING E-102 FOR GENERAL AND KEYED DRAWING NOTES PERTAINING TO THIS DRAWING.

PANEL "HP"

MOUNTING: SURFACE | 277 / 480 VOLTS | 3 Ø | 4 WIRE | A.I.C. RATING: 14,000 | MAIN: MLO | BUS: 600A

DESCRIPTION	WIRE & CONDUIT SIZE	EQ. NUM.	WATTS ØA	WATTS ØB	WATTS ØC	LIGHTS	KITCHEN RECEPTR	MISC RECEPTR	BRKR	CIRCUIT		CIRCUIT	BRKR	MISC RECEPTR	KITCHEN LIGHTS	WATTS ØA	WATTS ØB	WATTS ØC	WIRE & CONDUIT SIZE	EQ. NUM.	DESCRIPTION
TIMECLOCK			200					X	20/1	1		2									SPACE
EXTERIOR LIGHTING				200		X			20/1	3		4									SPACE
EXTERIOR LIGHTING					2376	X			20/1	5		6									SPACE
LIGHTING**			2772			X			20/1	7		8									SPACE
LIGHTING**				2,772		X			20/1	9		10									SPACE
SPACE										11		12									SPACE
SPACE										13		14									SPACE
SPACE										15		16									SPACE
SPACE										17		18									SPACE
SPACE										19		20									SPACE
SPACE										21		22									SPACE
SPACE										23		24									SPACE
SPACE										25		26									SPACE
SPACE										27		28									SPACE
SPACE										29		30									SPACE
EF-1			600					X	20	31	20 /	32	X			600					EF-2
				600				X		33		34	X				600				
					600			X	3	35	3	36	X					600			
RTU-1			831					X	15	37	30 /	38	X			28,956					TRANSFORMER
				831				X		39		40	X				27,846				
					631			X	3	41	3	42	X					26,316			

** EMERGENCY LIGHTING IS ON THIS CIRCUIT
PROVIDE LOCKABLE TYPE CIRQUIT BREAKER PER NEC

TOTAL WATTS ØA= 33,959
TOTAL WATTS ØB= 32,849
TOTAL WATTS ØC= 30,723
TOTAL LOAD (WATTS)= 97,531
TOTAL AMPS = 117.51
TOTAL DEMAND AMPS= 389.46

PANEL LOAD ANALYSIS

ITEM	LOAD	DIVERSITY	DEMAND
LIGHTING	8.12 KW	125 %	10.15 KW
KITCHEN	0.00 KW	65 %	0.00 KW
RECEPT/SPARES	68.44 KW	100 %	68.44 KW
MISCELLANEOUS	245.21 KW	100 %	245.21 KW
TOTAL	321.77 KW		323.80 KW

PANEL "LP1"

MOUNTING: SURFACE | 120 / 208 VOLTS | 3 Ø | 4 WIRE | A.I.C. RATING: 10,000 | MAIN: MCB | BUS: 400A

DESCRIPTION	WIRE & CONDUIT SIZE	EQ. NUM.	WATTS ØA	WATTS ØB	WATTS ØC	LIGHTS	KITCHEN RECEPTR	MISC RECEPTR	BRKR	CIRCUIT		CIRCUIT	BRKR	MISC RECEPTR	KITCHEN LIGHTS	WATTS ØA	WATTS ØB	WATTS ØC	WIRE & CONDUIT SIZE	EQ. NUM.	DESCRIPTION
LAVATORY 102			200					X	20/1	1		2	20/1	X		1080					EXTERIOR RECEPTACLES
WATER COOLER				400				X	20/1	3		4	20/1	X			1440				RECEPTACLES
FACP					200			X	20/1	5		6	20/1	X				1260			RECEPTACLES
RECEPTACLES			360					X	20/1	7		8	20/1	X		360					RECEPTACLES
TIMECLOCK				200				X	20/1	9		10	20/1	X			360				RECEPTACLES
SPACE										11		12	20/1	X				720			RECEPTACLES
			1667					X	15	13		14	20/1	X		200					FIXTS
OH DOOR				1667				X		15		16									SPACE
					1667			X	3	17		18									SPACE
			1667					X	15	19		20	30	X		6167					
OH DOOR				1667				X		21		22		X			6167				OH CRANE
					1667			X	3	23		24	3	X				6167			
			1967					X	15	25		26	20/3	X		12,254					
OH DOOR				1667				X		27		28		X			10,944				PANEL 'LP2'
					1667			X	3	29		30	3	X				9,634			
			1967					X	15	31		32									SPACE
OH DOOR				1667				X		33		34									SPACE
					1667			X	3	35		36									SPACE
			1967					X	15	37		38									SPACE
OH DOOR				1667				X		39		40	30	X							DE-POLLUTION SHED DISC
					1667			X	3	41		42	2	X							

TOTAL WATTS ØA= 28,956
TOTAL WATTS ØB= 27,846
TOTAL WATTS ØC= 26,316
TOTAL LOAD (WATTS)= 83,118
TOTAL AMPS = 230.88

PANEL LOAD ANALYSIS

ITEM	LOAD	DIVERSITY	DEMAND
LIGHTING	0.00 KW	125 %	0.00 KW
KITCHEN	0.00 KW	65 %	0.00 KW
RECEPT/SPARES	19.14 KW	100 %	19.14 KW
MISCELLANEOUS	77.90 KW	100 %	77.90 KW
TOTAL	97.04 KW		97.04 KW

PANEL "LP2"

MOUNTING: SURFACE | 120 / 208 VOLTS | 3 Ø | 4 WIRE | A.I.C. RATING: 10,000 | MAIN: MLO | BUS: 225A

DESCRIPTION	WIRE & CONDUIT SIZE	EQ. NUM.	WATTS ØA	WATTS ØB	WATTS ØC	LIGHTS	KITCHEN RECEPTR	MISC RECEPTR	BRKR	CIRCUIT		CIRCUIT	BRKR	MISC RECEPTR	KITCHEN LIGHTS	WATTS ØA	WATTS ØB	WATTS ØC	WIRE & CONDUIT SIZE	EQ. NUM.	DESCRIPTION
CEILING FAN			900					X	20/1	1		2	15	X		1000					
CEILING FAN				900				X	20/1	3		4		X			1000				DOCK LEVELER
CEILING FAN					900			X	20/1	5		6	3	X				1000			
CEILING FAN			900					X	20/1	7		8	15	X		1000					
SCALE				1350				X	20/1	9		10		X			1000				DOCK LEVELER
RTU RECEPTACLES					180		X		20/1	11		12	3	X				1000			
SCALE			500					X	20/1	13		14	15/1	X		200					DOCK SEAL
GAS MONITOR SYSTEM				200				X	20/1	15		16	15/1	X			200				DOCK SEAL
GAS MONITOR SYSTEM					200			X	20/1	17		18	15	X				1667			
WATER HEATER			1500					X	30	19		20		X		1667					OH DOOR
				1500				X	2	21		22	3	X			1667				
UH-1					1560			X	30/1	23		24	15	X				1667			
UH-2			1560					X	30/1	25		26		X		1667					OH DOOR
UH-3				1560				X	30/1	27		28	3	X			1667				
UH-4					1560			X	30/1	29		30									SPACE
UH-5			1560					X	30/1	31		32									SPACE
SPACE										33		34									SPACE
SPACE										35		36									SPACE
SPACE										37		38									SPACE
SPACE										39		40									SPACE
SPACE										41		42									SPACE

TOTAL WATTS ØA= 12,454
TOTAL WATTS ØB= 11,044
TOTAL WATTS ØC= 9,734
TOTAL LOAD (WATTS)= 33,232
TOTAL AMPS = 92.31

PANEL LOAD ANALYSIS

ITEM	LOAD	DIVERSITY	DEMAND
LIGHTING	0.00 KW	125 %	0.00 KW
KITCHEN	0.00 KW	65 %	0.00 KW
RECEPT/SPARES	0.00 KW	100 %	0.00 KW
MISCELLANEOUS	0.00 KW	100 %	0.00 KW
TOTAL	0.00 KW		0.00 KW

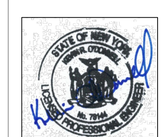
CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE
267 Maritta Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

ROOF PLAN - POWER

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

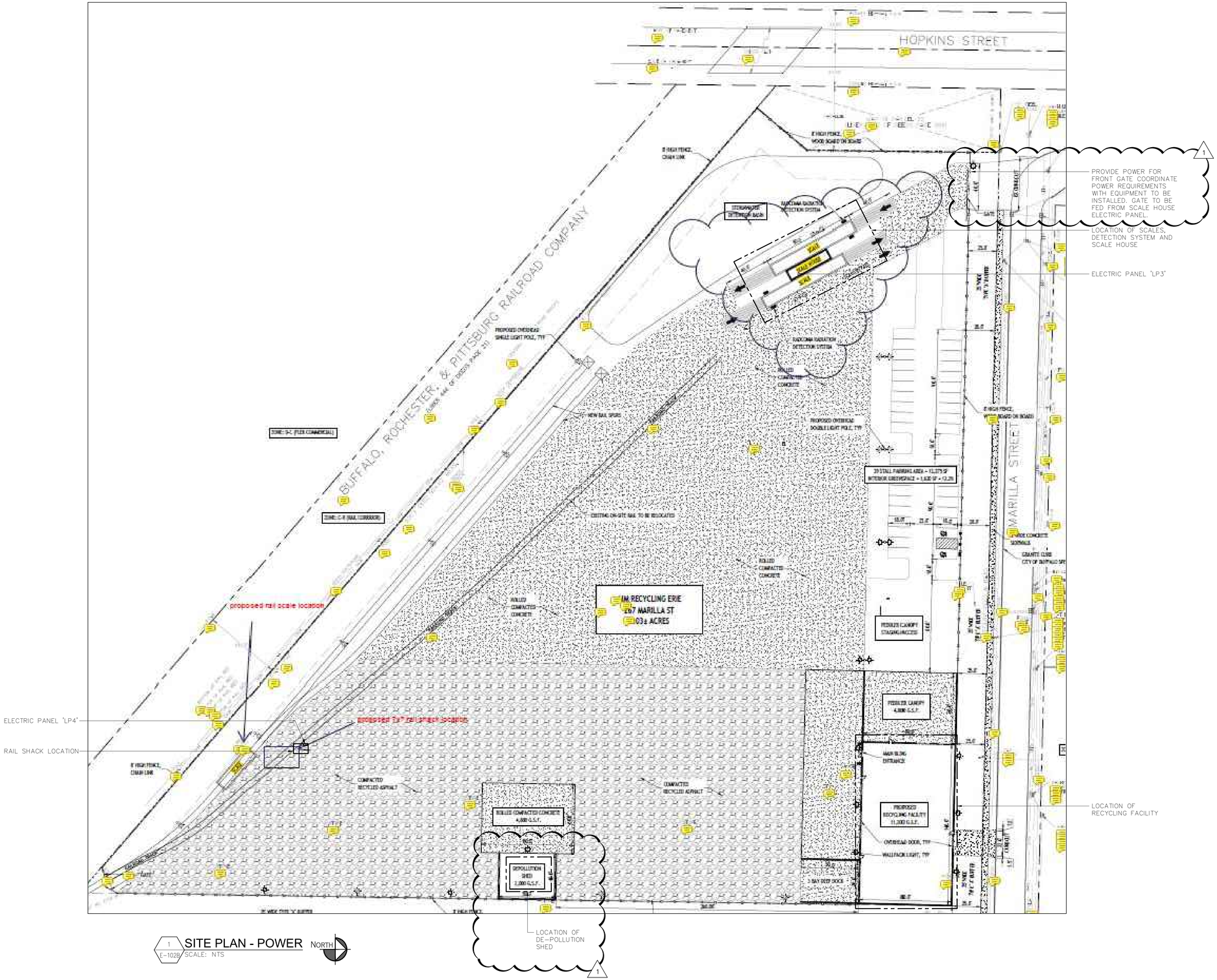
DRAWING NO.

E-102A

Project No: 24.1121

KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

FOR REFERENCE ONLY



1 SITE PLAN - POWER
E-102B SCALE: NTS

NORTH

© Carmina Wood Design

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE

267 Marilla Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

Sealed: 11/06/2026

DRAWING NAME:

SITE PLAN - POWER

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

DRAWING NO.

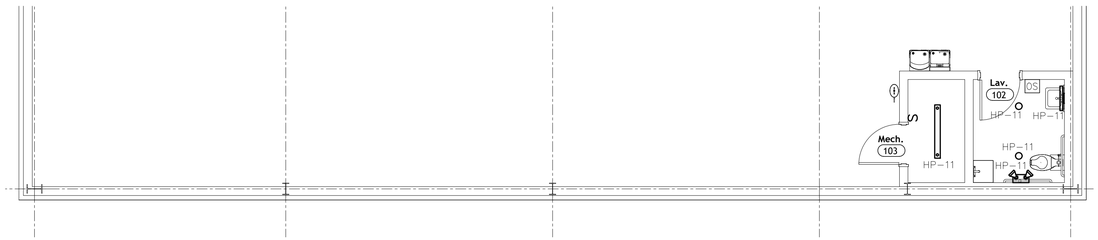
E-102B

Project No: 24.1121

KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

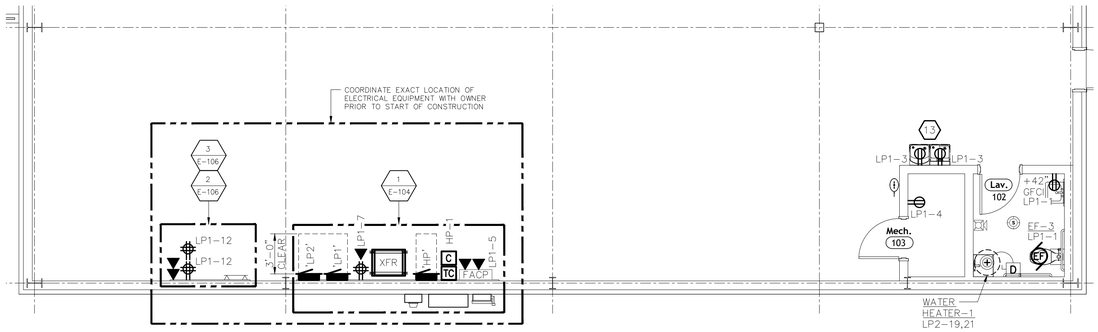
All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design



1 E-103 ENLARGED PARTIAL FIRST FLOOR - LIGHTING
SCALE: 3/16" = 1'-0"

NORTH



2 E-103 ENLARGED PARTIAL FIRST FLOOR - POWER
SCALE: 3/16" = 1'-0"

NORTH

KEYED NOTES - LIGHTING: (NOT ALL NOTES ARE USED)

1. OVERHEAD DOOR/DOCK LEVELER: PROVIDE POWER AND CONNECT AS SHOWN. CONNECT TO DOOR CONTROLLER/DOCK LEVELER CONTROLLER AS REQUIRED. COORDINATE AND DETERMINE EXACT LOCATION AND CONNECTION REQUIREMENTS ON SITE WITH MANUFACTURER/EQUIPMENT REPRESENTATIVE PRIOR TO INSTALL. VERIFY BREAKER SIZE AND PROVIDE CORRECT SIZE TO SUIT.
2. OVERHEAD CRANE. PROVIDE POWER AND CONNECT AS SHOWN. CONNECT TO OVERHEAD CRANE CONTROLLER AS REQUIRED. COORDINATE AND DETERMINE EXACT LOCATION AND CONNECTION REQUIREMENTS ON SITE WITH MANUFACTURER/EQUIPMENT REPRESENTATIVE PRIOR TO INSTALL. VERIFY BREAKER SIZE AND PROVIDE CORRECT SIZE TO SUIT.
3. FLOOR SCALES AND KIOSK. PROVIDE (1) DATA LINE AND (1) POWER LINE SUPPLIED BETWEEN KIOSK STATION AND FLOOR SCALE. PROVIDE (3) X 2" EMPTY CONDUITS FOR FLOOR SCALE LOCATION TO BE CONFIRMED WITH OWNER. CONFIRM EXACT CONNECTION REQUIREMENTS PRIOR TO INSTALL.
4. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF SENSORS FOR UNIT HEATERS, FANS, HEAT PUMPS, FORCED FLOW HEATERS, ETC WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO COMMENCE OF THE INSTALLATION. SENSORS FOR MECHANICAL EQUIPMENTS SUPPLIED, INSTALLED AND WIRED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE (EMT) CONDUIT FROM THERMOSTAT/CONTROLS TO MECHANICAL EQUIPMENT AND BOX FOR SENSOR FOR CONTROL WIRING. COORDINATE WITH MECHANICAL CONTRACTOR (TYPICAL).
5. PROVIDE CONDUIT, POWER CONNECTION AND ROUGH IN TO ALL MECHANICAL EQUIPMENT AND ASSOCIATED CONTROL SYSTEMS. INSTALL STARTERS, SUPPLY AND INSTALL SWITCHES, ETC AS REQUIRED AND MAKE ALL CONNECTIONS. PROVIDE RECOMMENDED FUSES/BREAKERS TO PROTECT EQUIPMENT AND WIRING TO SUIT. COORDINATE WITH MECHANICAL DRAWING FOR EXACT LOCATION OF MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL TRADES PRIOR TO INSTALL.
6. CEILING FAN SPEED CONTROLLER SHALL BE SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. 1/2" CONDUIT FOR ALL SPEED CONTROLLER SHALL BE SUPPLIED AND INSTALLED BY ELECTRICAL.
7. CONNECTION FOR AUTO FLUSH/AUTO FAUCETS. COORDINATE AND DETERMINE EXACT LOCATIONS AND REQUIREMENTS ON SITE WITH MECHANICAL TRADES PRIOR TO INSTALL.
8. PROVIDE EMERGENCY SECURITY CALL SYSTEM FOR ASSISTANCE EQUIPMENT C/W DOOR CONTROL, DOOR PUSH BUTTONS, LOCK BUTTONS, FLASHING STROBE LIGHT, TRANSFORMER AND A CALL BUTTON TO COMPLY THE NEW ADDA CODE FOR BARRIER FREE UNIVERSAL WASHROOM. PROVIDE REQUIRED SIGNAGE FOR THE EMERGENCY CALL SYSTEM TO COMPLY THE CODE. SECURITY CALL SYSTEM SHALL BE CAMDEN CK-ON-CANFAC-01 AND CK-ON-CANFAC-02 COMPLETE WITH MULTI FUNCTION RELAY, DOOR PUSH BUTTONS, MAGNETIC DOOR CONTACTS, STROBES AND SIGNAGE. COORDINATE WITH THE ARCHITECTURAL DRAWING FOR ALL DIMENSION AND MOUNTING HEIGHTS FOR BARRIER FREE PUSH BUTTONS & LOCK BUTTONS AND SECURITY CALL ASSISTANCE SYSTEM DEVICES.SEE DETAILS ON DRAWING E-106
9. NEW ELECTRICAL DISTRIBUTION, REFER TO DWG 2/E-3.02 FOR FURTHER DETAILS. PROVIDE 8' H x 3/4" T FIRE RATED PLYWOOD BACKBOARD FOR FULL EXTENT OF DISTRIBUTION WALL TO SUIT.
10. TELECOM GROUND BUSBAR. PROVIDE AND INSTALL TO SUIT. DETERMINE EXACT LOCATION ON SITE. REFER TO DWGS E-106 FOR FURTHER DETAILS.
11. COMMUNICATIONS CONDUITS TO BE RUN BACK TO MAIN ELECTRICAL ROOM ON SECOND. DETERMINE EXACT ROUTING ON SITE. PROVIDE PULL STRING FOR CONDUIT FOR FUTURE COMMUNICATIONS WIRING TO SUIT .PROVIDE 8' H x 3/4" T FIRE RATED PLYWOOD BACKBOARD FOR FULL EXTENT OF WALL TO SUIT. (TYPICAL)
12. MEETING ROOM FLOOR BOX CONNECTION WITH HDMI CONNECTION TO MEETING ROOM WALL. DETERMINE AND COORDINATE EXACT LOCATION ON SITE PRIOR TO ROUGH-INS. E-106

13. WATER COOLER SHALL BE PROTECTED BY A 20A/1P GFCI TYPE CIRCUIT BREAKER BACK TO ELECTRIC PANEL 'LP1'.

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE

267 Marilla Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



DRAWING NAME:

ELECTRICAL ENLARGED PLANS

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

DRAWING NO.

E-103

Project No: 24.1121

KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design

LIGHTING FIXTURE SCHEDULE

FIXTURE DES.	FIXTURE TYPE	DESCRIPTION	MANUFACTURER MODEL No.	MOUNTING	LAMPS	BALLAST	VOLTAGE
	4'–0" LED LINEAR FIXTURE	4'–0" LED LINEAR FIXTURE. COLOR SELECTED BY ARCHITECT.	DAY–BRITE: OWL 4 835	SURFACE/ SUSPENDED	37 WATT LED, 3500K	–	MVOLT
	LED PENDANT HIGH–BAY FIXTURE	DUEL SELECT LED HIGH BAY FIXTURE. FINISH SHALL BE SELECTED BY ARCHITECT. CLEAR REFLECTOR WITH WIREGUARD AND MOUNTING BRACKET.	DAY–BRITE: HYC 3500	SURFACE	LED 198W	–	MVOLT
	LED VANITY FIXTURE	2'–0" VANITY SCONCE. 1" DROP LENS	MARK ARCHITECTURAL LIGHTING: MODEL #: S4WD MSL2 80CRI 35K	SURFACE	LED 16.0W	–	120
	6"ø LED DOWNLIGHT	LED DOWNLIGHT SUITABLE FOR WET LOCATIONS. TRIM COLOR SELECTED BY ARCHITECT.	GOTHAM: EVO	RECESSED	LED 28.0W	–	MVOLT
	EXTERIOR LED WALLPACK	LED DOWNLIGHT SUITABLE FOR WET LOCATIONS. COLOR TO BE DARK BRONZE.	LITHONIA: WDGE2	SURFACE	LED 18.0W 3500K	–	MVOLT
	EMERGENCY LIGHT FIXTURE	LED EMERGENCY LIGHT	CES–NAPA–NAPA–LEDR–1–EM	SURFACE	12W LED	–	MVOLT
	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	–	MVOLT

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	REFERENCE NOTES
EQUIPMENT DESIGNATION	LOCATION	HP	FLA	PHASE	VOLTS	BREAKER	POLE	PANELBOARD SOURCE	CIRCUIT NO.	QUANTITIES AND SIZE	
RTU–1	ROOFTOP UNIT – 1	ROOF	–	3.0	3	480	15A	3	HP	37,39,41	(3)#12AWG, (1)#12AWG GND, 3/4"C	1,2,3,4,5
EF–1	EXHAUST FAN – 1	SHOP AREA	3/4	1.3	3	460	20A	3	HP	1	(2)#12AWG, (1)#12AWG GND, 1/2"C	7
EF–2	EXHAUST FAN – 2	SHOP AREA	3/4	1.3	3	460	20A	3	HP	1	(2)#12AWG, (1)#12AWG GND, 1/2"C	7
EF–3	EXHAUST FAN – 3	TOILET ROOM	–	20W	1	115	15A	1	LP1	1	(2)#12AWG, (1)#12AWG GND, 1/2"C	6
UH–1	UNIT HEATER – 1	SHOP AREA	–	13.0	1	115	30A	1	LP2	23	(3)#10AWG, (1)#10AWG GND, 3/4"C	2
UH–2	UNIT HEATER – 2	SHOP AREA	–	13.0	1	115	30A	1	LP2	25	(3)#10AWG, (1)#10AWG GND, 3/4"C	2
UH–3	UNIT HEATER – 3	SHOP AREA	–	13.0	1	115	30A	1	LP2	27	(3)#10AWG, (1)#10AWG GND, 3/4"C	2
UH–4	UNIT HEATER – 4	SHOP AREA	–	13.0	1	115	30A	1	LP2	29	(3)#10AWG, (1)#10AWG GND, 3/4"C	2
UH–5	UNIT HEATER – 5	SHOP AREA	–	13.0	1	115	30A	1	LP2	31	(3)#10AWG, (1)#10AWG GND, 3/4"C	2

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. EC SHALL POWER GFI TYPE MAINTENANCE RECEPTACLE PROVIDED WITH FURNACE.
2. EC SHALL PROVIDE AND INSTALL HACR TYPE CIRCUIT BREAKER.
3. FIRE ALARM CONTRACTOR SHALL FURNISH AND INSTALL DUCT TYPE FIRE ALARM SMOKE DETECTOR IN RETURN AIR DUCTS IN ACCORDANCE WITH SYSTEM MFGR'S INSTRUCTIONS. PROVIDE AND INSTALL SEPARATE REMOTE TEST STATIONS. REMOTE TEST STATIONS SHALL BE LOCATED +/– 6" BELOW CEILING (8'–6" ABOVE FLOOR MAX.) AND IN CLOSE PROXIMITY TO THE DETECTOR. CONTRACTOR SHALL PROVIDE ALL REQUIRED FIRE ALARM SYSTEM WIRING TO THE MECHANICAL EQUIPMENT CONTROLS FOR PROPER UNIT SHUTDOWN AND RE–START OPERATION IN ACCORDANCE WITH NFPA REQUIREMENTS. FIELD COORDINATE INSTALLATION WITH MECHANICAL EQUIPMENT INSTALLER.
4. EC SHALL FURNISH AND INSTALL FIRE ALARM FAN SHUTDOWN RELAY.
5. EC SHALL RECEIVE, INSTALL AND CONNECT DISCONNECT SWITCH PROVIDED BY MECHANICAL EQUIPMENT INSTALLER. COORDINATE LOCATION WITH MECHANICAL EQUIPMENT INSTALLER.
6. EXHAUST FAN TO BE CONTROLLED BY OCCUPANCY SWITCH.
7. EXHAUST FAN TO BE CONTROLLED BY WALL SWITCH.

(#) SINGLE LINE DIAGRAM NOTES:

1. NEW UTILITY METER. COORDINATE EXACT REQUIREMENTS WITH LOCAL UTILITY.
2. REFER TO PANELBOARD SCHEDULES ON DRAWING E–102A FOR ADDITIONAL INFORMATION.
3. DISCONNECT SWITCH/C/T CABINET SHALL BE RATED AS SERVICE ENTRANCE EQUIPMENT, 600A, 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.
4. PROVIDE A 480 VOLT PRIMARY TO 208/120 VOLT, 3 PHASE, 4–WIRE 225 KVA. TRANSFORMER. GROUND TRANSFORMER PER N.E.C. ARTICLE 250.

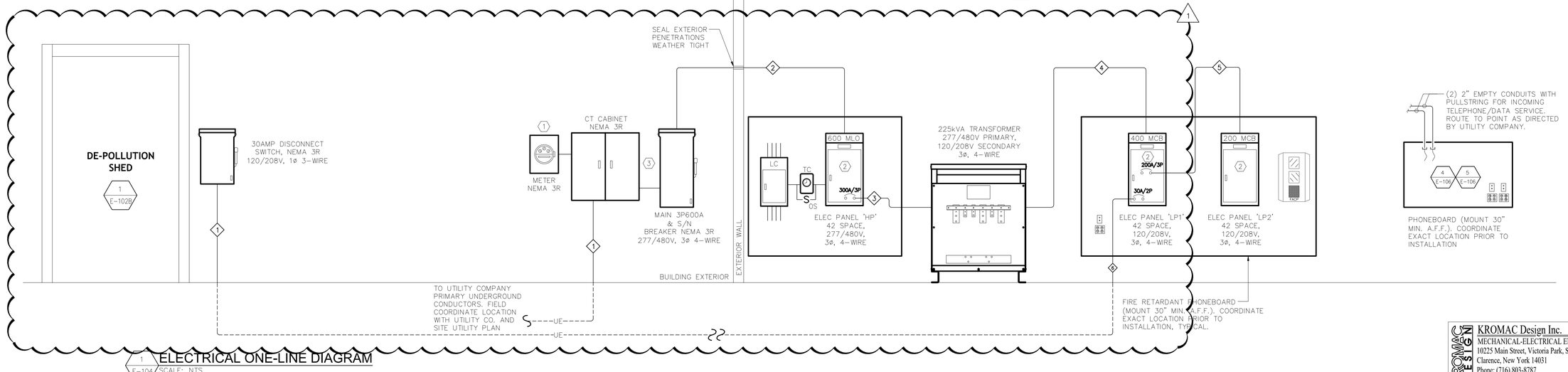
NOTE:
CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT FROM LOCAL UTILITY PRIOR TO COMMENCING WORK AND PROVIDE A LETTER FROM THE UTILITY TO THE LOCAL ELECTRIC INSPECTOR STATING THE AVAILABLE FAULT CURRENT. ALL EQUIPMENT SHALL MATCH THE REQUIRED AIC RATINGS

FEEDER SIZE SCHEDULE

◈	COPPER CONDUCTORS (3ø–4 WIRE WITH GROUND)	CONDUIT SIZE
◈	2 SETS @ (4) #350	•• (2) @ 3"ø
◈	2 SETS @ (4) #350 & 1#1 GND	(2) @ 3"ø
◈	(4) #350 & 1#4 GND	3"ø
◈	(4) #600 & 1#3 GND	4"ø
◈	(4) #4/0 & 1#4 GND	3"ø
◈	(3) #10 & 1#10 GND	1"ø

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

PROVIDE AND INSTALL CT CABINET METER AND DISCONNECT IN ACCORDANCE WITH LOCAL UTILITY REQUIREMENTS



1 E–104 ELECTRICAL ONE–LINE DIAGRAM SCALE: NTS

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE
267 Maritta Street
Buffalo, NY 14220

REVISIONS:
No. Description Date



Sealed: 11/06/2026

DRAWING NAME:

ELECTRICAL SCHEDULES AND ONE-LINE

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

DRAWING NO.

E-104

Project No: 24.1121

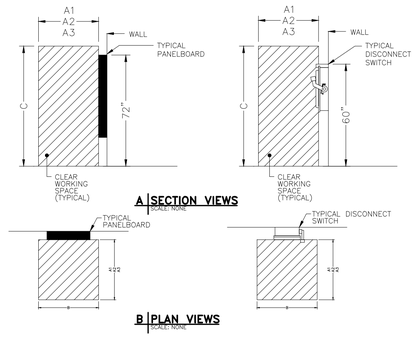
KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design

TYPICAL WORKING SPACE FOR 0 TO 600 VOLT ELECTRIC EQUIPMENT

NO SCALE



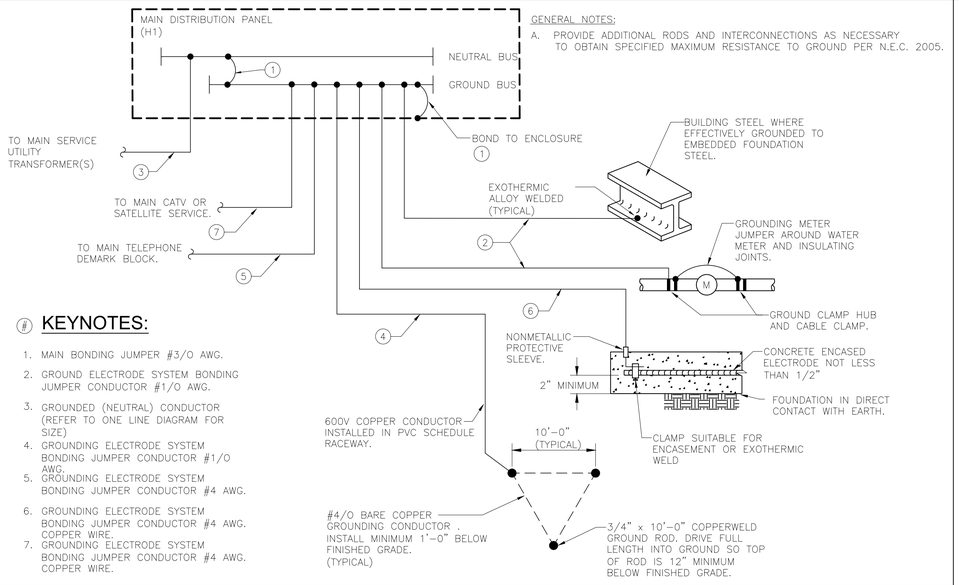
WORKING SPACE DISTANCES—MINIMUM REQUIREMENTS			
DIM	DISTANCE	VOLTS-GND	REMARKS
A1	3'-0"	0-600	NO LIVE/GROUNDED PARTS OPPOSITE EQUIPMENT
A2	3'-6"	151-600	GROUNDED PARTS OPPOSITE EQUIPMENT
A3	4'-0"	151-600	LIVE PARTS OPPOSITE EQUIPMENT
B	2'-6"	0-600	2'-6" OR WIDTH OF EQUIPMENT, WHICHEVER IS GREATER
C	6'-6"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

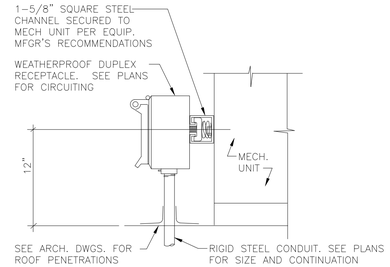
A. PROVIDE ADDITIONAL RODS AND INTERCONNECTIONS AS NECESSARY TO OBTAIN SPECIFIED MAXIMUM RESISTANCE TO GROUND PER N.E.C. 2005.

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.

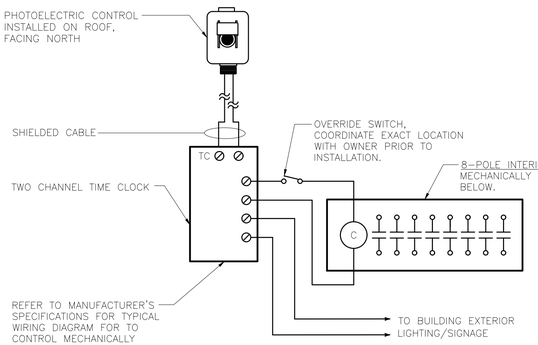
RTU RECEPTACLE MOUNTING DETAIL

NO SCALE



TIME CLOCK - CONTACTOR DETAIL

NO SCALE



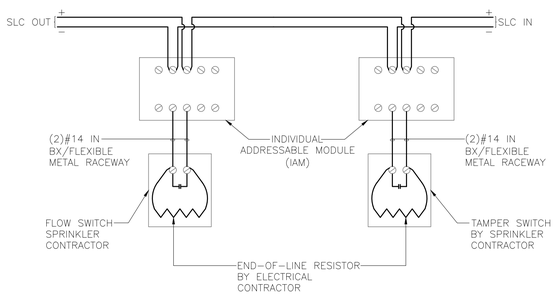
SPECIFICATION

A. CONTACTORS SHALL BE SQUARE D 8903 OR APPROVED EQUAL. MOUNT CONTACTORS IN A NEMA 1 ENCLOSURE NEXT TO PANEL "LP1".

B. PROVIDE PARAGON EL72, 2-CHANNEL ELECTRONIC TIME CONTROL. THE CONTROL SHALL HAVE 24-HOUR, 7-DAY, 365 DAY, SUNTRACKER.

TYPICAL SPRINKLER SYSTEM INTERFACE DIAGRAM

NO SCALE

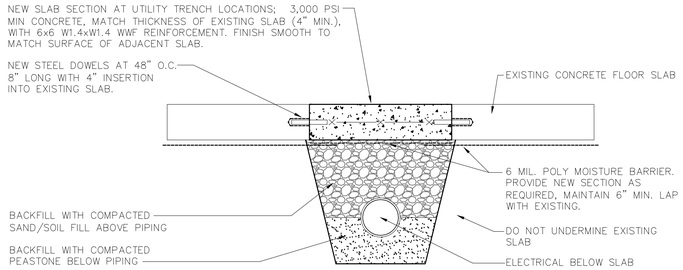


NOTE:

DUAL TYPE ADDRESSABLE ALARM INITIATING TYPE OF DEVICES MAY BE USED IN LIEU OF INDIVIDUAL DEVICES.

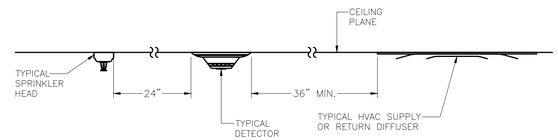
TRENCH/SLAB REPAIR DETAIL

NO SCALE



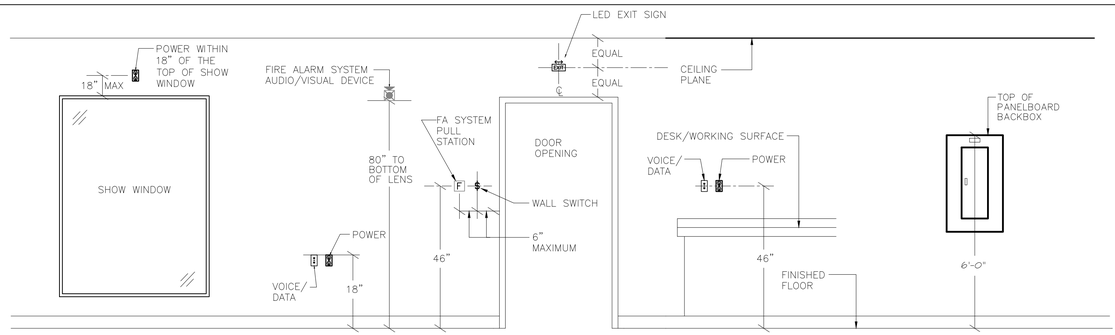
SMOKE DETECTOR INSTALLATION CLEARANCES

NO SCALE



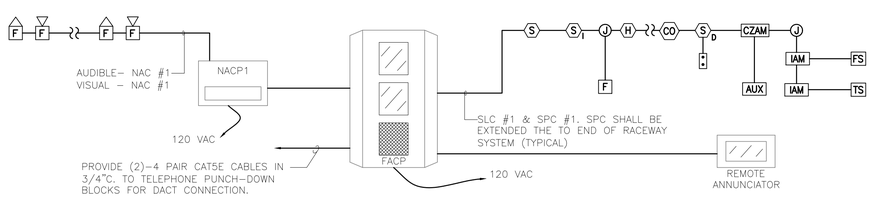
TYPICAL MOUNTING HEIGHTS FOR ELECTRIC WORK

NO SCALE



FIRE ALARM RISER DETAIL

NO SCALE



CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE

267 Marilla Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

ELECTRICAL DETAILS

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

DRAWING NO.

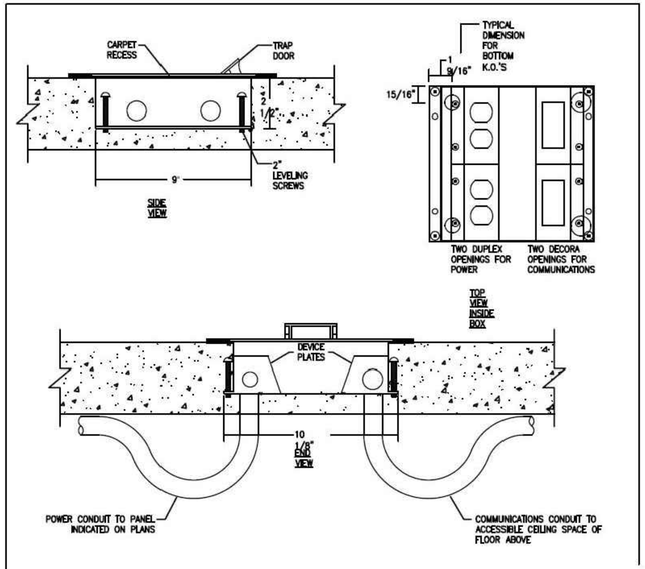
E-105

Project No: 24.1121

KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

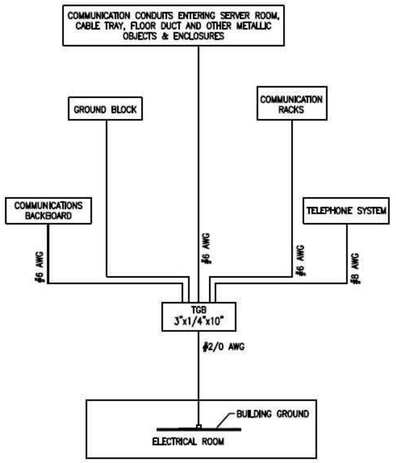
© Carmina Wood Design



NOTES:

1. PROVIDE CORE DRILLING FOR BOTH POWER AND COMMUNICATIONS CABLING SYSTEM AS REQUIRED TO SUIT CONDUIT SIZES.
2. FLOOR MONUMENT TO COMPLETE WITH POWER AND COMMUNICATIONS OUTLETS WHERE SHOWN ON PLAN. REFER TO FLOOR PLAN AND ELECTRICAL LEGEND.
3. FLOOR BOX SHALL BE LEGRAND, NEPCO, WELLMARK OR CANADIAN ELECTRICAL RACEWAYS.
4. FLOOR BOX FINISH SHALL BE COORDINATED WITH INTERIOR DESIGNER/ARCHITECT.
5. PROVIDE APPROPRIATE CAN/ULC APPROVED FIRE STOP MATERIAL TO MAINTAIN FIRE RATING BETWEEN FLOORS.

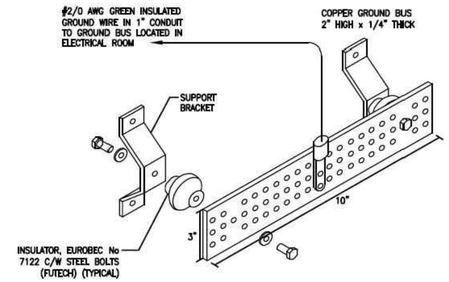
1 E-106 FLOOR BOX DETAIL
SCALE: NTS



NOTES:

1. ALL GROUND WIRING SHALL BE GREEN INSULATED.

2 E-106 COMMUNICATION GROUNDING SCHEMATIC
SCALE: NTS



NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL GROUND BUS AT HUB ROOM. INSTALL 2-HOLE COMPRESSION LUGS 'BURNDY/HYLUG' TYPE YALZT FOR GROUND CONDUCTORS C/W DURIUM BOLTS, NUTS AND WASHERS.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A GROUND CONNECTION BETWEEN THE BASE BUILDING SERVICE GROUNDING ELECTRODE AND THE HUB ROOM MAIN GROUNDING BUS BARS.
3. ALL BRANCH GROUNDING WITHIN THE LAN/HUB ROOM SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
4. GROUND BUS BAR SHALL BE INSTALLED AT THE TOP OF THE BACKBOARD OR 4" BELOW THE CEILING NEAR THE RACK. EXACT LOCATION TO BE COORDINATED ON SITE.
5. COVER TIPS, LUGS AND COPPER GROUND BAR WITH 'PENETROX E' FROM 'BURNDY' OR 'KOPR-SHIELD' FROM 'T&B'.
6. ALL GROUNDING TERMINATIONS SHALL BE DONE WITH U.L.C LISTED HYPRESS LUGS AND GROUNDING CLAMPS.
7. LANDLORD MUST APPROVE ROUTING OF GROUNDING CONDUIT TO THE BUILDING MAIN GROUND.

3 E-106 GROUND BUS BAR DETAIL
SCALE: NTS

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE

267 Marilla Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

ELECTRICAL DETAILS

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

DRAWING NO.

E-106

Project No: 24.1121

KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

ELECTRICAL SPECIFICATIONS

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design

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 OF 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 8539(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 PROPOSED SU

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

© Carmina Wood Design

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE AND TYPE	SYMBOL	DRAINAGE SAN	DRAINAGE VENT	DOMESTIC WATER DCW	DOMESTIC WATER DHW	DOMESTIC WATER DTW	REMARKS
WC1	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
LV1	LAVATORY –ADA –WALL MOUNT –		1–1/2"	1–1/2"	1/2"	1/2"	–	MANUFACTURER: MANSFIELD (ADA) MODEL: 2018HBNS4, WHITE VITREOUS CHINA, 4" FAUCET CENTERS, FAUCET: MOEN, 8800, CHROME 2 HANDLE FAUCET WITH WRIST BLADES, TRUEBRO LAV GUARD 2 FOR UNDER SINK PIPE PROTECTION OR EQUAL GERBER
SS1	SERVICE SINK – – – –		2"	1–1/2"	1/2"	1/2"	–	MANUFACTURER: BY OWNER (PROVIDED AND INSTALLED BY PLUMBER)
EWC1	ELECTRIC WATER COOLER –BI–LEVEL – –		1–1/4"	1–1/4"	1/2"	–	–	MANUFACTURER: HAWS (ADA) MODEL: 1212SF, .45 GPM, 115V / 60HZ, 350 WATTS, 5 FLA, WITH BUBBLER DEACTIVATION AND FILTER (3,000 GALLON) BI–LEVEL WITH BOTTLE FILLING STATION
FD1	FLOOR DRAIN – – – –		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 – –
WH1	WATER HEATER –ELECTRIC –10 GAL –MECH. 103 –REFER TO 6 & 7/P–104		–	–	3/4"	3/4"	–	MANUFACTURER: BRADFORD WHITE MODEL: LE110U3–1, 10 GALLON ELECTRIC WATER HEATER, SET AT 110°F, 208V/1PH, 3.0 KW WITH **VITRAGLAS LINING WITH MICROBAN PROTECTION,** T&P VALVE, EXPANSION TANK AMTROL ST–5–DD,
MV1	MIXING VALVE –WH1 – – –		–	–	1"	1"	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 TO THE LAVATORY FAUCETS
WHA	WATER HAMMER ARRESTER –PER SCHEDULE – – –		–	–	–	–	–	MANUFACTURER: MIFAB MODEL: MWH, PISTON OPERATED, LEAD FREE SIZE PER PDI STANDARDS
EEW1	EMERGENCY EYEWASH STATION –WALL MOUNT –		1–1/2"	1–1/2"	1/2"	1/2"	1/2"	MANUFACTURER: GUARDIAN STAINLESS STEEL WITH DUST COVER, EMERGENCY SIGNAGE AND INSPECTION TAG
HB1	HOSE BIBB – – – –		–	–	1/2"	–	–	MANUFACTURER: MIFAB MODEL: MHY–9240–NPB (1/2") POLISHED CHROME PLATED
WHY	WALL HYDRANT – – – –		–	–	1/2"	–	–	MANUFACTURER: MIFAB MODEL: MHY–20 – PROVIDE EXTRA KEY – –

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.

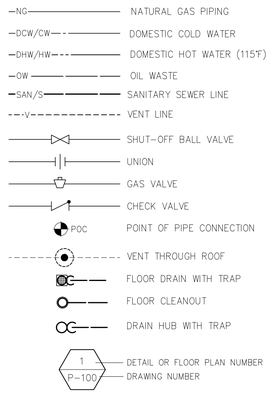
ADA ACCESS NOTES

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

LEGEND



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)

KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL–ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803–8787
Email: info@kromacdesign.com Project # 24.12.23

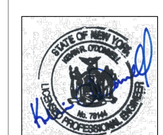
CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE
267 Maritta Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

SCHEDULES AND SPECIFICATIONS

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

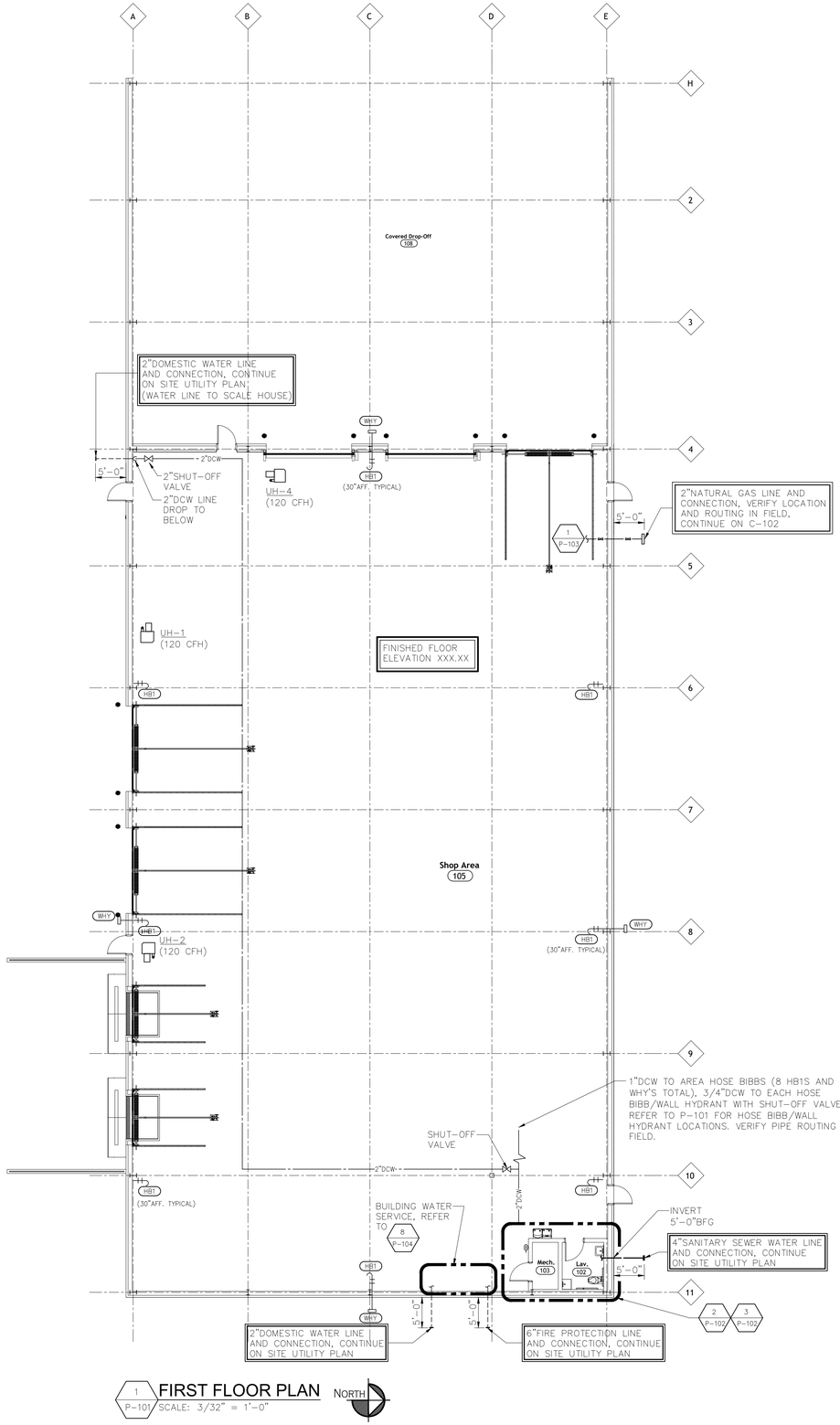
DRAWING NO.

P-100

Project No: 24.1121

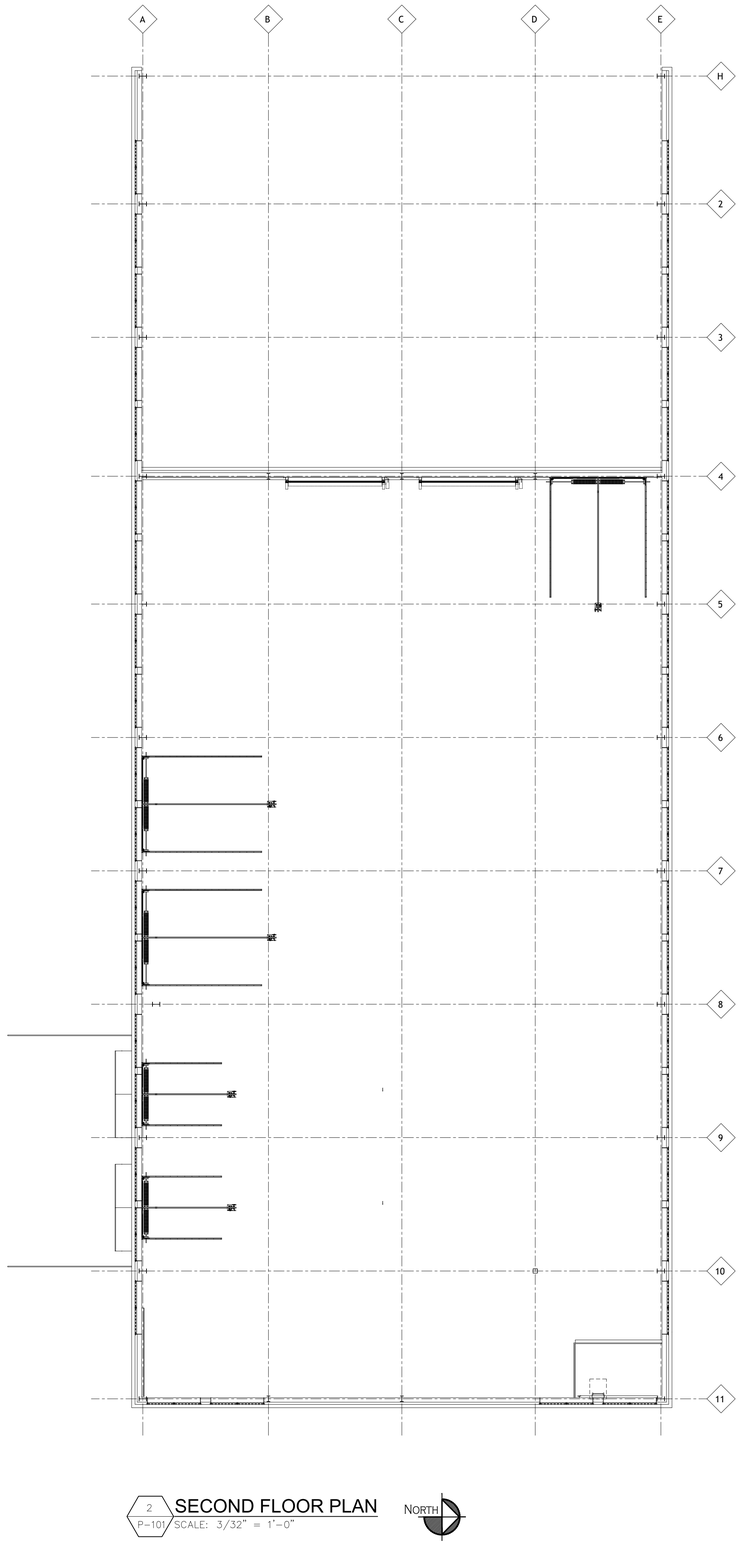
All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation "Altered By" and a specific description of the alteration.

© Carmina Wood Design



1 P-101 **FIRST FLOOR PLAN** SCALE: 3/32" = 1'-0"

NORTH



2 P-101 **SECOND FLOOR PLAN** SCALE: 3/32" = 1'-0"

NORTH

GENERAL NOTES:

a. HORIZONTAL STORM WATER LINES SLOPED AT 1/8/FT. UNLESS NOTED OTHERWISE ON PLANS.

b. RAINFALL IN AREA 2.7 INCHES PER HOUR FOR SIZING STORM WATER LINES.

c. HEAT TRACING – REFER TO ELECTRICAL PLANS. (CANOPY DRAINS)

d. NATURAL GAS PIPING – REFER TO 3/P-105 FOR NATURAL GAS RISER DIAGRAM.

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE

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.

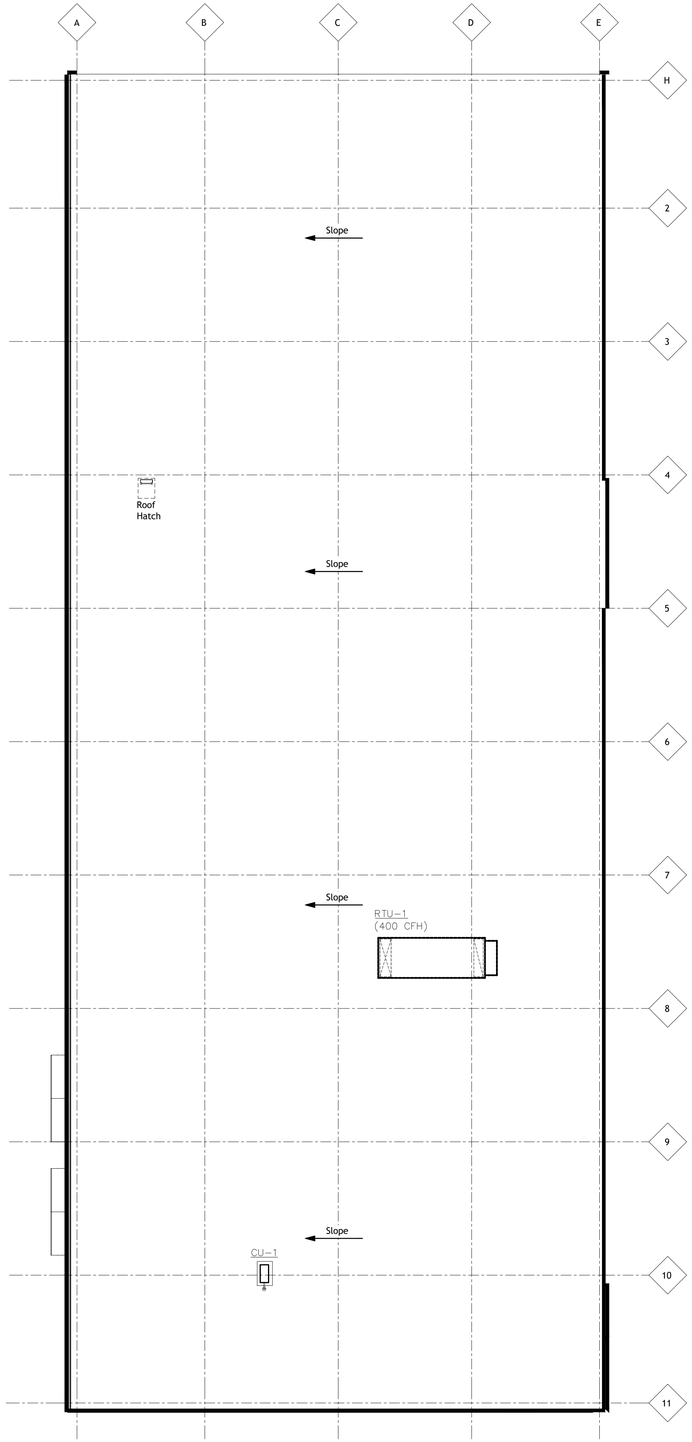
P-101

Project No: 24.1121

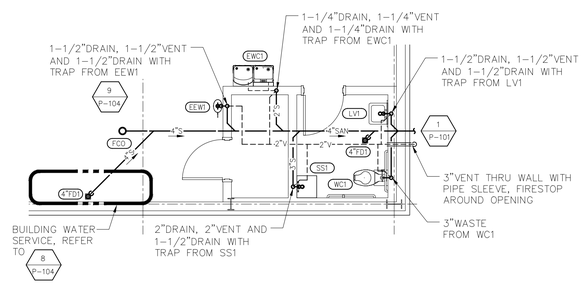
KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

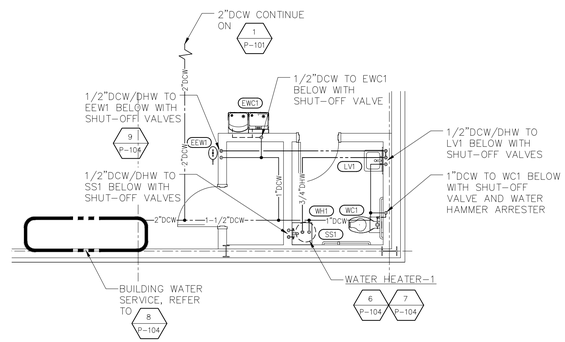
© Carmina Wood Design

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation "Altered By" and a specific description of the alteration.



1 P-102 ROOF PLAN
SCALE: 3/32" = 1'-0"
NORTH


1-1/4"DRAIN, 1-1/4"VENT AND 1-1/4"DRAIN WITH TRAP FROM EWC1
1-1/2"DRAIN, 1-1/2"VENT AND 1-1/2"DRAIN WITH TRAP FROM EEW1
1-1/2"DRAIN, 1-1/2"VENT AND 1-1/2"DRAIN WITH TRAP FROM LV1
3"VENT THRU WALL WITH PIPE SLEEVE, FIRESTOP AROUND OPENING
3"WASTE FROM WC1
2"DRAIN, 2"VENT AND 1-1/2"DRAIN WITH TRAP FROM SS1
BUILDING WATER SERVICE, REFER TO
EWC1
EEW1
LV1
SS1
WC1
FCO
4"SAN
4"TSD
2"V
3"V
4"
2 P-102 ENLARGED PARTIAL PLAN
SCALE: 3/16" = 1'-0"
(SANITARY WASTE AND VENT)
NORTH



3 P-102 ENLARGED PARTIAL PLAN
SCALE: 3/16" = 1'-0"
(DOMESTIC WATER)
NORTH

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE

267 Marilla Street
Buffalo, NY 14220

REVISIONS:		
No.	Description	Date

STATE OF NEW YORK
KEVIN R. DOLL
No. 78144
LICENSED PROFESSIONAL ENGINEER

Sealed: 11/06/2026

DRAWING NAME:

ROOF PLAN, ENLARGED FLOOR PLANS

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

DRAWING NO.

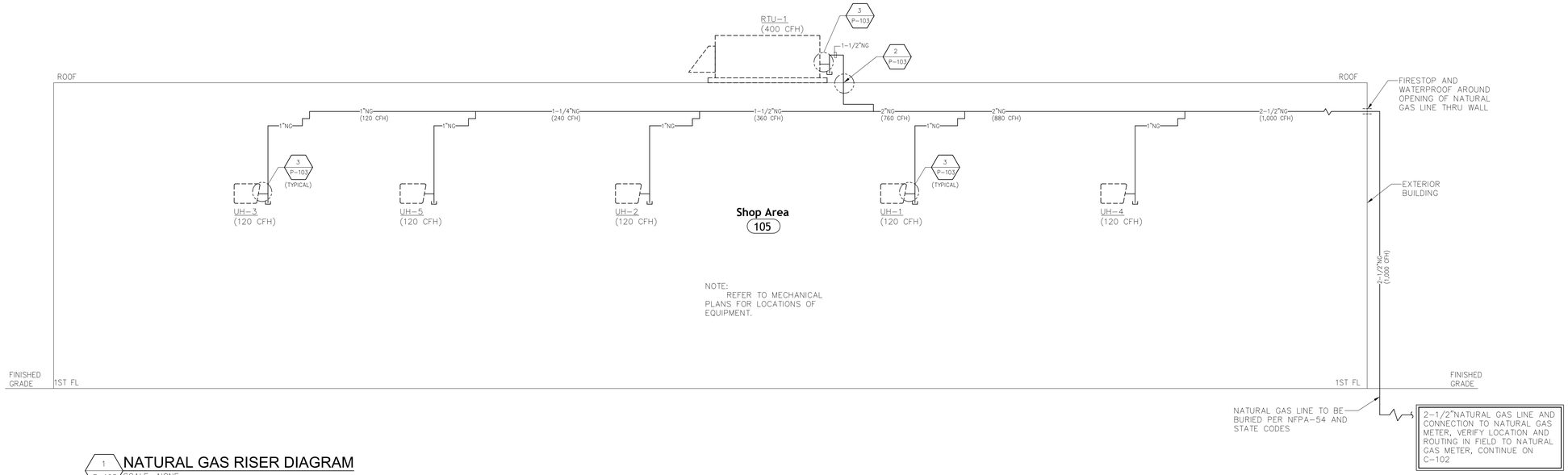
P-102

Project No: 24.1121

KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation "Altered By" and a specific description of the alteration.

© Carmina Wood Design



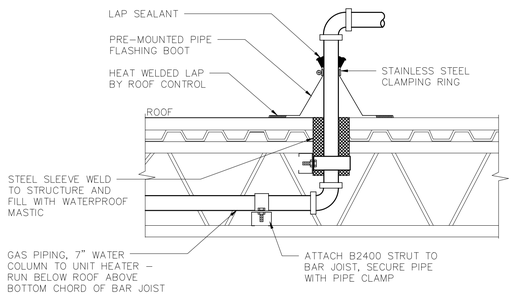
1 P-103 NATURAL GAS RISER DIAGRAM
SCALE: NONE

NATURAL GAS NOTES:

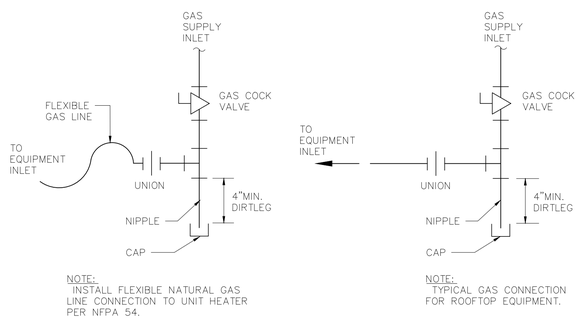
1. PROVIDE GAS VALVE, DIRT LEG, AND UNION AT EACH APPLIANCE.
2. PAINT ALL EXPOSED GAS PIPING (1) COAT PRIMER (2) COATS YELLOW FINISH. (EXPOSED TO OUTSIDE)
3. GAS SIZING BASED ON MINIMUM GAS PRESSURE OF 4" TO 9" WC DOWNSTREAM OF GAS METER WITH A PRESSURE DROP OF 1.0 AND A TOTAL LENGTH OF **300'-0"**.
4. REFER TO 3/P-103 FOR GAS LINE CONNECTIONS TO EQUIPMENT.
5. PLUMBING CONTRACTOR TO COORDINATE INSTALLATION OF MAIN GAS SERVICE TO BUILDING WITH GAS COMPANY IF REQUIRED. PROVIDE ALL COST FOR GAS CONNECTION FROM GAS MAIN TO GAS METER SETTING WITH PLUMBING BID. COORDINATE WITH LOCAL GAS COMPANY FOR PRICING.

NATURAL GAS LOAD

EQUIPMENT	CFH
ROOF TOP UNIT-1	400.0
UNIT HEATER-1	120.0
UNIT HEATER-2	120.0
UNIT HEATER-3	120.0
UNIT HEATER-4	120.0
UNIT HEATER-5	120.0
CONNECTED EQUIPMENT UNIT (CFH INPUT)	1,000.0



2 P-103 GAS PIPE THROUGH ROOF DETAIL
SCALE: NONE



3 P-103 GAS CONNECTION DETAIL
SCALE: NONE

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE

267 Marilla Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

NATURAL GAS RISER

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

DRAWING NO.

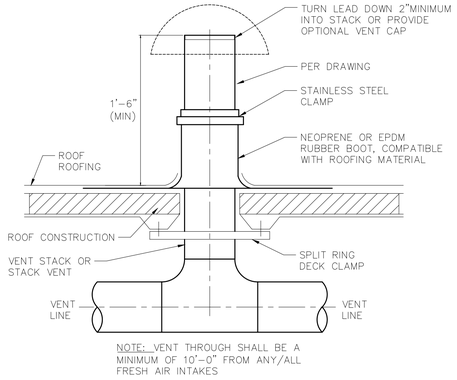
P-103

Project No: 24.1121

KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

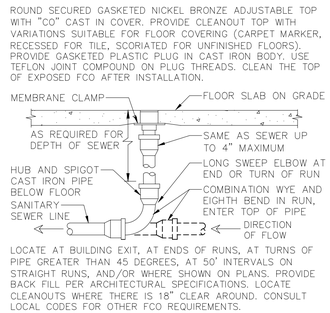
All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation "Altered By" and a specific description of the alteration.

© Carmina Wood Design

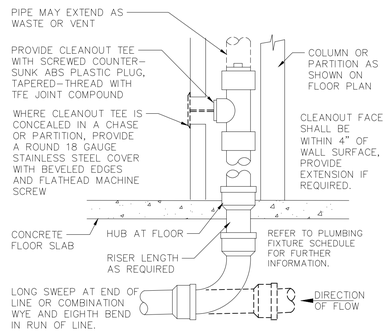


NOTE: VENT THROUGH SHALL BE A MINIMUM OF 10'-0" FROM ANY/ALL FRESH AIR INTAKES

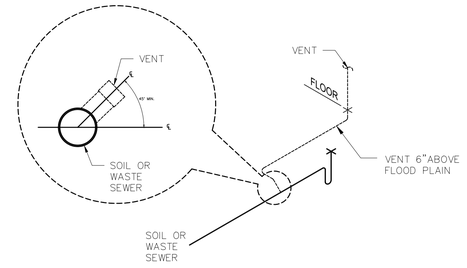
1 P-104 VENT THRU ROOF DETAIL
SCALE : NONE



2 P-104 FLOOR CLEANOUT DETAIL
SCALE : NONE

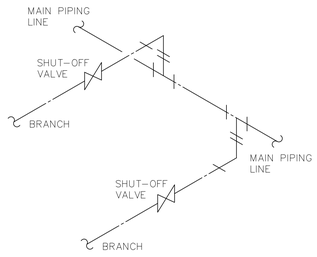


3 P-104 WALL CLEANOUT DETAIL
SCALE : NONE



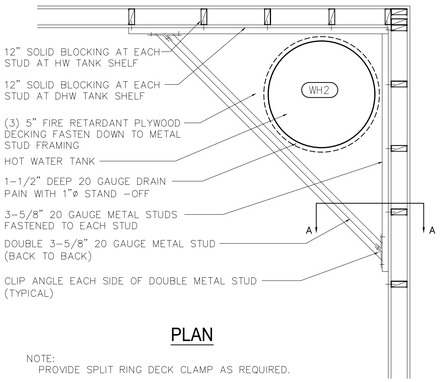
NOTE:
CONNECT VENT TO SOIL OR WASTE PIPING ABOVE CENTERLINE. UNDER SLAB HORIZONTAL CONNECTIONS OF VENT PIPING TO WASTE SEWER SYSTEM PIPELINE SHALL NOT BE ALLOWED.

4 P-104 VENT PIPE INSTALLATION
SCALE: NONE



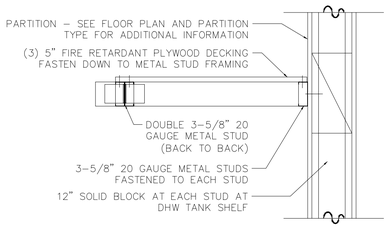
NOTE: TOP OFFSET REQUIRED ON ALL PIPING TAKEOFFS.

5 P-104 PIPING TAKE-OFF DETAIL
SCALE : NONE



PLAN

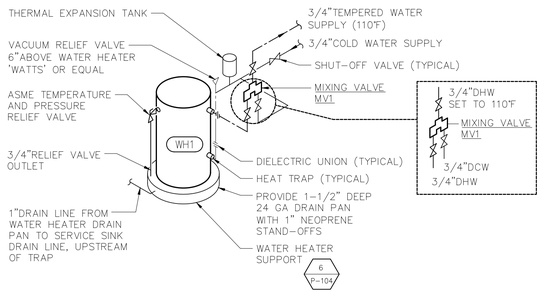
NOTE:
PROVIDE SPLIT RING DECK CLAMP AS REQUIRED.



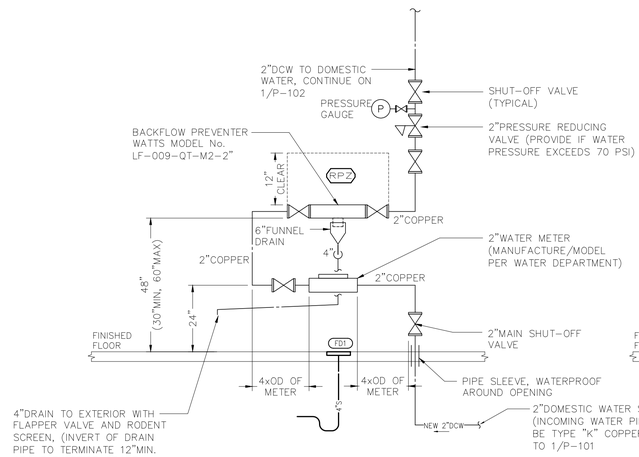
SECTION A-A

NOTE:
COORDINATE WITH ARCHITECTURAL PLANS.

6 P-104 WATER HEATER SUPPORT DETAIL
SCALE: NONE



7 P-104 WATER HEATER DETAIL (WH1)
SCALE: NONE



RPZ NOTES:

A. PROVIDE SUPPORT TO RPZ FROM WALL/FLOOR.

B. PROVIDE 30"CLEAR IN FRONT OF RPZ (TYPICAL).

C. PROVIDE 12" CLEAR ABOVE RPZ (TYPICAL).

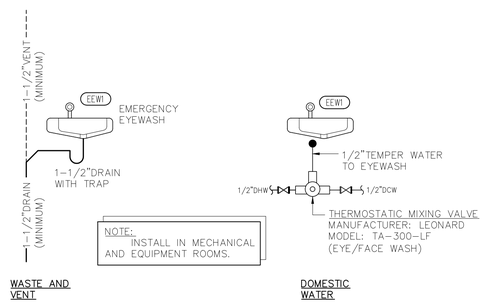
D. PROVIDE 12"SPACE FROM WALL TO BACK OF RPZ.

E. COORDINATE WATER METER MANUFACTURER/MODEL WITH LOCAL WATER AUTHORITY.

F. REFER TO 1/P102 FOR PLAN LAYOUT OF WATER SERVICES.

COORDINATE INSTALLATION/LAYOUT WITH EQUIPMENT PURCHASED IN WATER ROOMS

8 P-104 BUILDING WATER SERVICE
SCALE: NONE



9 P-104 EMERGENCY EYE WASH DETAIL
SCALE: NONE

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE
267 Maritta 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.

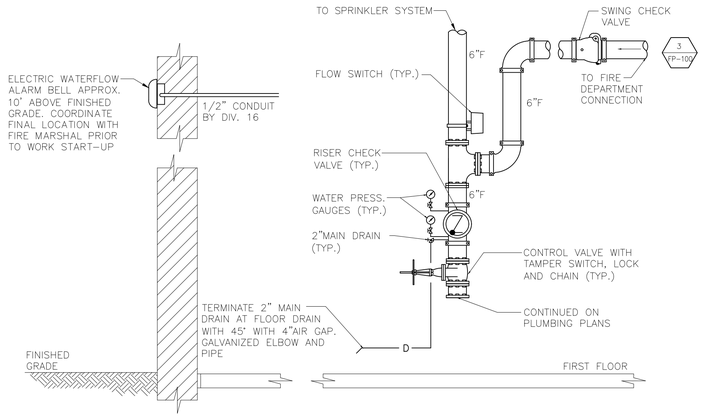
P-104

Project No: 24.1121

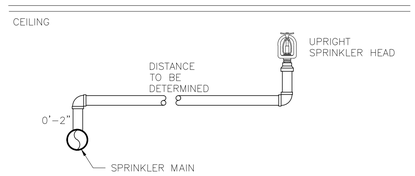
KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.

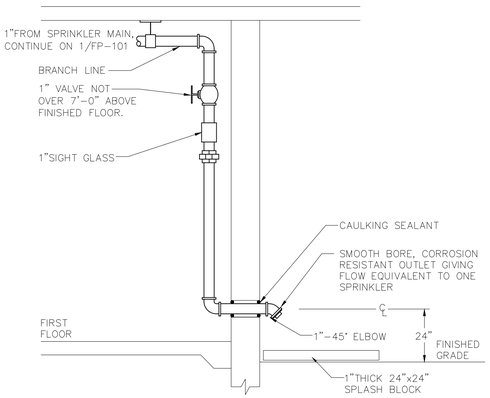
© Carmina Wood Design



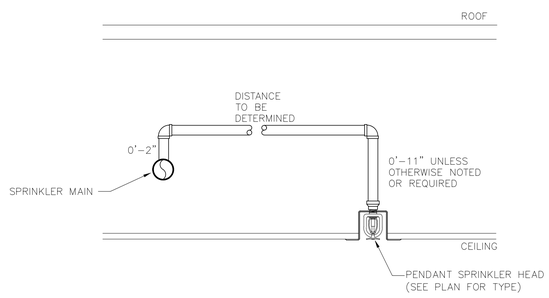
1 FP-100 **FIRE DEPARTMENT RISER DETAIL**
SCALE: NONE



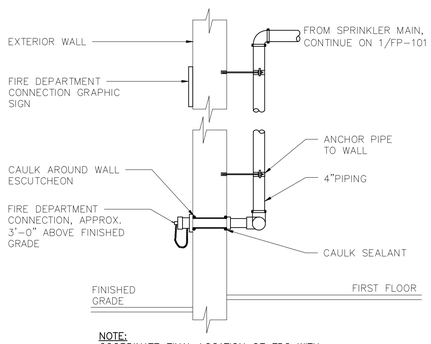
4 FP-100 **UPRIGHT SPRINKLER HEAD DETAIL**
SCALE: NONE



2 FP-100 **INSPECTOR TEST DETAIL**
SCALE: NONE



5 FP-100 **PENDENT SPRINKLER HEAD DETAIL**
SCALE: NONE



NOTE:
COORDINATE FINAL LOCATION OF FDC WITH LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.

3 FP-100 **FIRE DEPARTMENT CONNECTION DETAIL**
SCALE: NONE

SPRINKLER NOTES:

1. THE BUILDING SHALL BE COMPLETELY PROTECTED WITH A SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH NFPA 13R AND STATE BUILDING CODE. REFER TO DRAWING FOR FIRE PROTECTION RISER. REFER TO SPECIFICATIONS BOOK FOR ADDITIONAL INFORMATION.
2. PROVIDE SHIELDING FOR ELECTRICAL PANELS IN ELECTRICAL/MECHANICAL ROOMS. VERIFY EXACT LOCATIONS IN FIELD. COORDINATE WITH ELECTRICAL PANEL LOCATIONS.
3. SPRINKLER CONTRACTOR TO COORDINATE WITH LOCAL FIRE MARSHAL LOCATION AND TYPE OF FIRE DEPARTMENT CONNECTION ON PROJECT. REFER TO DETAIL 4/FP-100.
4. SPRINKLER CONTRACTOR SHALL PROVIDE HYDRAULIC CALCULATIONS AND DRAWINGS TO ENGINEER AND LOCAL AUTHORITY FOR APPROVAL.
5. SPRINKLER HEADS SHALL BE LOCATED CENTER OF CEILING TILE.

PROJECT NOTES:

A. FIRE PROTECTION CONTRACTOR SHALL COORDINATE SPRINKLER LAYOUT WITH LIGHTS, DIFFUSERS, CEILING GRID, ETC.

B. FIRE PROTECTION CONTRACTOR SHALL DESIGN AND INSTALL A COMPLETE HYDRAULICALLY CALCULATED FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH ALL NFPA AND LOCAL CODE REQUIREMENTS.

C. FIRE SPRINKLER INSTALLATION PLANS SHALL BE SUBMITTED TO THE MUNICIPALITY, ENGINEER AND OWNER'S INSURANCE CARRIER.

SYMBOL LIST

F	FIRE PROTECTION SERVICE OR MAIN (F)
S	SPRINKLER MAIN/BRANCH (SPR)
D	FIRE PROTECTION DRAIN (DR)
FDC	FIRE DEPARTMENT CONNECTION MAIN (FDC)
	FIRE PROTECTION RISER
	CHECK VALVE
	RISER CHECK VALVE
	DOUBLE CHECK VALVE ASSEMBLY
	SUPERVISED CONTROL VALVE
	SHUT OFF VALVE
	CONCEALED PENDENT SPRINKLER
	PENDENT SPRINKLER
DP	DRY UPRIGHT SPRINKLER
EC	EXTENDED COVERAGE PENDENT SPRINKLER
	UPRIGHT SPRINKLER
DP	DRY PENDENT SPRINKLER
DS	DRY SIDEWALL SPRINKLER
	SIDEWALL SPRINKLER
EC	EXTENDED COVERAGE SIDEWALL SPRINKLER
	SPRINKLER WITH GUARD
	ELECTRIC WATERFLOW ALARM BELL
ITC	INSPECTOR'S TEST CONNECTION (ITC)
	FIRE DEPARTMENT CONNECTION (FDC)
	FLOW SWITCH (FS)
	2-1/2" FIRE DEPARTMENT VALVE (FDV) WITH CABINET
	GAUGE

GENERAL NOTES:

A. CONTRACTORS ARE RESPONSIBLE FOR PROPER FIELD FITTING AND QUANTITY OF WORK. ALL CONTRACTORS SHALL TAKE FIELD MEASUREMENTS AS REQUIRED AND BE RESPONSIBLE FOR FITTING NEW CONSTRUCTION. ALL CONTRACTORS SHALL BE RESPONSIBLE TO REPAIR ANY EXISTING CONDITIONS DISTURBED OR DAMAGED DURING CONSTRUCTION (TO MATCH EXISTING).

B. THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL CONDITIONS.

C. THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING AND REPAIRING OF MATERIALS AND FINISHES THAT ARE DISTURBED BY THEIR RESPECTIVE TRADES.

D. THE FIRE PROTECTION CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS BEFORE STARTING INSTALLATION.

E. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE CONSTRUCTION OF ALL FIRE PROTECTION WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DUMENTS/DRAWINGS.

F. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND SHALL HAVE THE APPROVAL OF THE ENGINEER BEFORE BEING INSTALLED.

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE

267 Marilla Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date



Sealed: 11/06/2026

DRAWING NAME:

DETAILS AND SPECIFICATIONS

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

DRAWING NO.

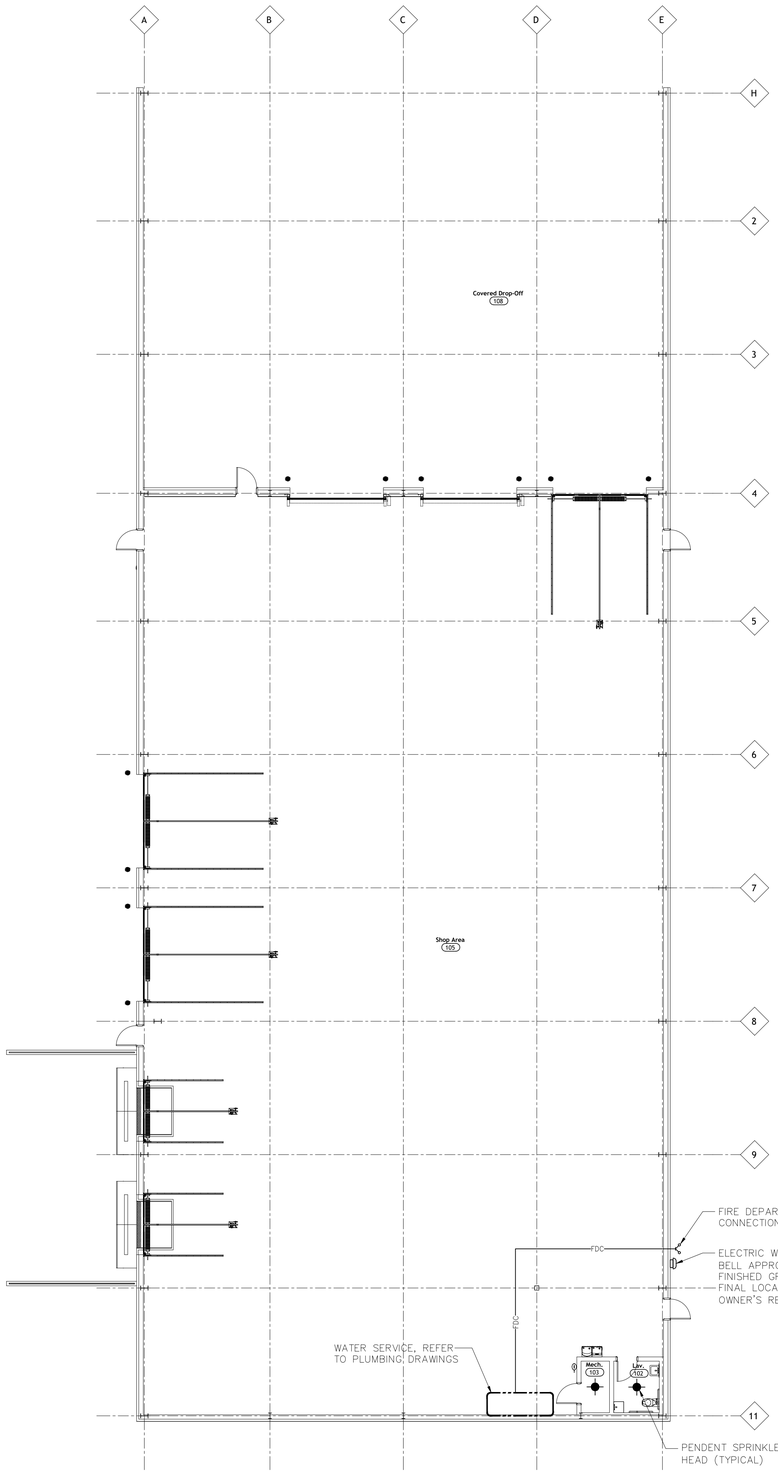
FP-100

Project No: 24.1121

KROMAC DESIGN
KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23

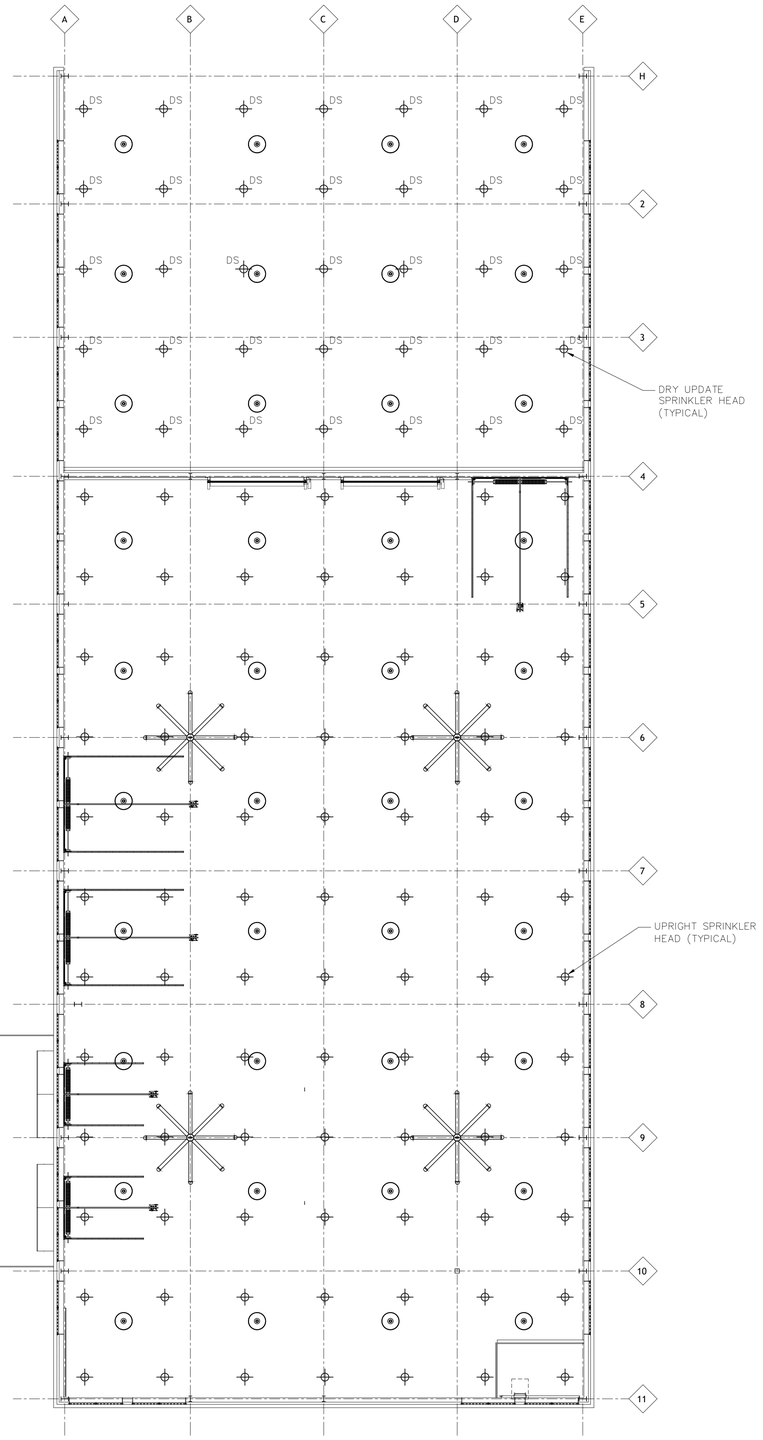
© Carmina Wood Design

All Rights Reserved. Reuse of these documents without the expressed written permission of Carmina Wood Design is prohibited. WARNING it is a violation of article 145 sections 7209N and 7301 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.



1 FP-101 FIRST FLOOR PLAN
SCALE: 3/32" = 1'-0"

NORTH



2 FP-101 SECOND FLOOR PLAN
SCALE: 3/32" = 1'-0"

NORTH

CARMINA WOOD DESIGN

Preliminary Drawings

AIM RECYCLING WAREHOUSE

267 Marilla Street
Buffalo, NY 14220

REVISIONS:

No.	Description	Date

STATE OF NEW YORK — KEVIN R. DOLL — No. 78144 — LICENSED PROFESSIONAL ENGINEER

Sealed: 11/06/2026

DRAWING NAME:

FLOOR PLANS

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

DRAWING NO.

FP-101

Project No: 24.1121

KROMAC DESIGN

KROMAC Design Inc.
MECHANICAL-ELECTRICAL ENGINEERING
10225 Main Street, Victoria Park, Suite 10B
Clarence, New York 14031
Phone: (716) 803-8787
Email: info@kromacdesign.com Project # 24.12.23