50' x 104' x 12'
Storage/Warehouse Building
(Post Construction/Conditioned)

DRAWING NO.	DRAWING TITLE
A–1.0	COVER PAGE, GENERAL BUILDING NOTES AND DESIGN DATA
A–2.0	FLOOR PLAN
A–2.1	ELEVATION VIEWS
A–3.0	POST LOCATION PLAN
A–3.1	ROOF FRAMING PLAN
A–4.0	TYPICAL SECTION, AND DETAILS
A–4.1	TYPICAL DETAILS
P–1.0	PLUMBING PLAN AND DETAILS
E–1.0	ELECTRICAL PLAN AND DETAILS
FP–1	FIRE PROTECTION PLAN

1. THE INTENDED USE OF THE PROPOSED BUILDING IS TO PROVIDE EQUIPMENT RENTAL TO THE PUBLIC.
2. THE PROPOSED BUILDING IS A 5,000 SF, WOOD FRAMED, POST CONSTRUCTED, SINGLE STORY BUILDING WITH PRE–ENGINEERED WOOD TRUSSES.
3. THE BUILDING WILL HAVE METAL SIDING AND METAL ROOFING.
4. DOORS AND WINDOWS WILL BE INSULATED.

CALL DIG SAFELY NEW YORK 48 HOURS BEFORE DIGGING OR DRIVING POSTS @ 811

Dig Safely. New York Call 811 before you dig

CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING CONSTRUCTION OR PURCHASING OF MATERIALS.

CLIMATIC & GEOGRAPHIC DESIGN CRITERIA

RISK CATEGORY	II
GROUND SNOW LOAD	45 PSF
WIND SPEED	115 MPH
SEISMIC DESIGN CATEGORY	B
CLIMATE ZONE	5A

ICE SHIELD UNDERLAYMENT IS REQUIRED FOR NON METAL ROOFS

HURRICANE TIE DOWNS ARE REQUIRED

SUBJECT TO DAMAGE FROM:

WEATHERING	SEVERE
FROST LINE DEPTH	42"
TERMITES	SLIGHT TO MODERATE
DECAY	SLIGHT TO MODERATE
FLOOD HAZARDS	NONE

DESIGN LOADS

SNOW LOAD	
GROUND SNOW LOAD	45 PSF
SLOPED ROOF SNOW LOAD	43 PSF
SNOW EXPOSURE FACTOR	1
SNOW LOAD IMPORTANCE FACTOR	1.2
THERMAL FACTOR	1.2
SLOPE FACTOR	1
WIND SPEED (ULTIMATE)	115 MPH
WIND IMPORTANCE FACTOR	1
INTERNAL PRESSURE COEFFICIENT	+/– 0.18
TABLE 1607.1	
FLOOR LOAD	250 PSF
TRUSS TOP CHORD DEAD LOAD	10 PSF
TRUSS BOTTOM CHORD DEAD LOAD	10 PSF

ENERGY CONSERVATION DATA – NON RESIDENTIAL

CLIMATE ZONE	FENESTRATION U–FACTOR FIXED/OPER.	SKYLIGHT U–FACTOR\SHGC	CEILING R–VALUE	WOOD FRAME R–VALUE	MASS WALL R–VALUE	FLOOR R–VALUE
5A	0.38/0.45	0.50\0.40	38	13+3.8CI OR 20	11.4 CI	30

BASEMENT R–VALUE	SLAB R–VALUE & DEPTH	VERTICAL FENESTRATION OF ABOVE GRADE WALL	STORE FRONT U–FACTOR	ENTRANCE DOOR U–FACTOR	OPAQUE DOORS U–FACTORS SWINGING	OPAQUE DOORS U–FACTORS NON–SWING
7.5 CI	10, 2' (UNHEATED)	30%	0.45	0.77	0.37	0.31

MINIMUM REQUIREMENTS – REFER TO TYPICAL SECTION FOR INSULATION IN THIS STRUCTURE

WINDOWS

WINDOWS SHALL BE ANDERSEN SILVER LINE WINDOWS OR APPROVED EQUAL

DOUBLE PANE
LOW–E

U–FACTOR	0.29
SHGC	0.26
AIR INFILTRATION	<0.3 CFM/SF

DOORS

MAN DOORS:

3068 MANDOOR WITH WINDOW
TERMA–TRU–SMOOT STAR MODEL#S–206LE
OR APPROVED EQUAL

U–FACTOR	0.23
SHGC	0.24
AIR INFILTRATION	<0.2 CFM/SF

OVERHEAD DOORS

INSULATED – R–17/U–FACTOR 0.058
DOUBLE GASKET SEAL
WINDOWS LESS THAN 14% GLAZING

GENERAL BUILDING NOTES:
1. ALL CONSTRUCTION SHALL MEET THE MINIMUM REQUIREMENTS OF THE 2020 BUILDING CODE OF NEW YORK STATE.
2. BUILDING USE: STORAGE AND WAREHOUSE
3. OCCUPANCY CLASSIFICATION: S–1 MODERATE HAZARD STORAGE
4. CONSTRUCTION TYPE: TYPE V (B)

FIRE SEPARATION (TABLE 508.4):
PER TABLE 508.4, THERE IS NO SEPARATION REQUIREMENT SINCE THIS IS A SINGLE OCCUPANCY BUILDING.

HEIGHT REQUIREMENTS FROM TABLES 504.3 AND 504.4 (BASED ON S–1 OCCUPANCY):
ALLOWABLE HEIGHT – 40 FEET, 1 STORIES
ACTUAL HEIGHT – 1.0 STORY, APPROXIMATELY 22'

MEZZANINE AREA:
NO MEZZANINE AREAS ARE PROPOSED

AREA REQUIREMENTS FROM TABLE 506.2 (BASED ON S–1 OCCUPANCY)
TABULAR AREA FROM TABLE 506.2 – 9,000 SF

ACTUAL AREA –	50'X104' (BUILDING)	5,200 SF
	TOTAL BUILDING AREA	5,200 SF
	(TOTAL BUILDING AREA IS LESS THAN ALLOWABLE AREA)	

MEZZANINE AREA:
NO MEZZANINES ARE PROPOSED

OCCUPANT LOAD CALCULATIONS
CALCULATIONS BASE ON TABLE 1004.1.2 OF THE 2020 BUILDING CODE OF NEW YORK STATE

5,200SF\500SF PER OCCUPANT	= 10 OCCUPANTS
TOTAL	10 OCCUPANTS

AUTOMATIC SPRINKLER SYSTEM
AN AUTOMATIC SPRINKLER SYSTEM IS NOT PROPOSED FOR THIS PROJECT. PER SECTION 903.2.9 GROUP S–1, SPRINKLERS ARE NOT REQUIRED SINCE
A. THE FIRE AREA IS NOT MORE THAN 12,000 SF,
B. THE BUILDING IS NOT MORE THAN 3 STORIES,
C. COMBINED AREA OF ALL GROUP S–1 FIRE AREAS IS LESS THAN 24,000 SF,
E. THE GROUP S–1 OCCUPANCY IS NOT USED FOR THE STORAGE OF COMMERCIAL MOTOR VEHICLES,
F. THE GROUP S–1 OCCUPANCY IS NOT USED FOR STORAGE OF UPHOLSTERED FURNITURE OR MATTRESSES,
G. THE BUILDING IS NOT USED AS A REPAIR GARAGE, AND
H. THE BUILDING IS NOT USED FOR THE BULK STORAGE OF TIRES.

DETECTION SYSTEM AND FIRE ALARMS
A MANUAL FIRE ALARM SYSTEM IS NOT PER FOR THIS PROJECT. PER SECTION 907.2 GROUP F, A MANUAL FIRE ALARM IS NOT REQUIRED SINCE
A. THE GROUP F OCCUPANCY IS ONLY A SINGLE STORY,
B. THE OCCUPANT LOAD IS LESS THAN 500, AND
C. THE BUILDING IS NOT USED FOR HIGH PILE STORAGE.

FINISHES (TABLE 803.1.1)
GROUP S OCCUPANCIES REQUIRE ROOM AND ENCLOSED SPACE FINISHES TO MEET LEVEL C REQUIREMENTS FOR ROOM AND LEVEL B FOR EXIT STAIRWAYS AND CORIRIDORS

REFER TO FINISH SCHEDULE
A FLAME SPREAD INDEX 0–25/SMOKE–DEVELOPED INDEX 0–450
B FLAME SPREAD INDEX 26–75/SMOKE–DEVELOPED INDEX 0–450
C FLAME SPREAD INDEX 76–200/SMOKE–DEVELOPED INDEX 0–450

THE BUILDING WILL HAVE METAL LINER PANELS ON WALLS AND METAL LINER PANELS OR TRI–PLY PANELS ON CEILING WHICH MEET BOTH THE LEVEL B AND C REQUIREMENTS

EXIT ACCESS
TRAVEL DISTANCE
REQUIRED: 200 FEET (TABLE 1017.2 – BUILDING WITHOUT AUTOMATIC SPRINKLER SYSTEMS)
ACTUAL: 150 FEET MAX.

EXIT DOORS
1. THE BUILDING SHALL HAVE ACCESSIBLE MEANS OF ENTRANCE\EGRESS.
2. BUILDING SHALL BE EQUIPPED WITH MINIMUM OF TWO EXIT DOOR. ALL EXIT DOORS ARE SHOWN ON THE PLAN VIEW.
3. EXIT DOORS SHALL SWING IN THE DIRECTION OF TRAVEL AND SHALL BE EQUIPPED WITH ADA COMPLIANT HARDWARE.
4. A COMBINATION EXIT SIGN/EMERGENCY LIGHT WITH BATTERY BACKUP SHALL BE INSTALLED OVER EACH EXIT DOOR

MINIMUM EXIT WIDTH 25 OCCUPANTS * 0.2"/OCCUPANT = 5"

EXIT WIDTH PROVIDED: 2 * 32" CLEAR = 64"

DOORWAYS
ALL NEW DOORS SHALL:
5. BE ACCESSIBLE;
6. BE A MINIMUM OF 3068 WITH A MINIMUM CLEAR OPENING OF 32";
7. HAVE A MAXIMUM THRESHOLDS OF 3/4" AND SHALL HAVE BEVELED EDGES;
8. BE EQUIPPED WITH ADA COMPLIANT LEVER HANDLES ON THE BOTH SIDES OF DOOR.

CORRIDOR WIDTH (TABLE 1020.2)
MINIMUM CORRIDOR WIDTH IS 44 (BUILDING WILL NOT HAVE ANY CORRIDORS)

AIR LEAKAGE TEST
AN AIR LEAKAGE TEST IS REQUIRED FOR THIS PROJECT SINCE THE BUILDING WILL BE CONDITIONED.

1. A BLOWER DOOR TEST IS REQUIRED FOR THIS PROJECT.
2. THE THERMAL ENVELOPE SHALL BE TESTED IN ACCORDANCE WITH ASTM 7E 779 AT PRESSURE DIFFERENTIAL OF 0.3 INCH WATER GAUGE (75 Pa) OR AN APPROVED EQUIVALENT METHOD.
3. THE TESTED AIR LEAKAGE RATE OF THE BUILDING THERMAL ENVELOPE SHALL NOT BE GREATER THAN 0.40 CFM/SQ FT.

NOTE: ADDITIONAL INSPECTIONS DURING AIR BARRIER CONSTRUCTION CAN ELIMINATE THE BLOWER DOOR REQUIREMENT IF APPROVED BY THE LOCAL CODE ENFORCEMENT OFFICER

MAXIMUM AIR LEAKAGE RATE FOR FENESTRATION ASSEMBLIES
ALL NEW WINDOWS AND DOORS HAVE A REPORTED AIR INFILTRATION RATE EQUAL TO OR LESS THAN THE MAXIMUM RATE SPECIFIED IN TABLE C402.5.2 OF THE INTERNATIONAL ENERGY CONSERVATION CODE WITH THE NEW YORK STATE ADDENDUM

CONCRETE
1. ALL CONCRETE WORK SHALL CONFORM TO ACI 301, LATEST EDITION, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND SHALL COMPLY WITH ALL LOCAL LAWS AND ORDINANCES. WHERE CONFLICTING REQUIREMENTS OCCUR, THE MORE STRINGENT SHALL APPLY.
2. ALL CONCRETE DESIGN IS BASED ON ACI 318 LATEST SPECIFICATIONS
3. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE SHALL BE:
   3000 PSI – FOOTINGS.
   4000 PSI – FOUNDATION WALLS
   3500 PSI – SIDEWALKS AND STEPS
   4000 PSI – FLOORS, TRUCK BAYS AND DRIVEWAYS
4. PLACE CONCRETE SLABS ON 6" MINIMUM OF 95% COMPACTED CRUSHED STONE OR GRAVEL. ALL SLABS UNDER INTERIOR FINISHED AND HEATED SPACES SHALL BE PLACED ON 10 MIL POLYETHYLENE VAPOR BARRIER WITH A MINIMUM OF 6" LAPPED JOINTS.
5. PROVIDE 1/2" EXPANSION JOINT MATERIAL BETWEEN ALL CONCRETE SLABS AND ABUTTING CONCRETE OR MASONRY WALLS OCCURRING IN EXTERIOR OR UNHEATED SPACES OR AREAS.
6. CONCRETE FOR ALL SIDEWALKS, STEPS, FLOOR SLABS AND DRIVEWAYS SHALL BE AIR–ENTRAINED.
7. REINFORCING STEEL BARS: ASTM A–615 GRADE 60

FOUNDATION
1. CONSULT ENGINEER WHEN ENCOUNTERING UNUSUAL, SUSPECT OR UNSTABLE SOIL CONDITIONS.
2. FOUNDATIONS DESIGN BASED ON A MINIMUM SOIL BEARING CAPACITY OF 2000 PSF.
3. ALL GRADES TO SLOPE AWAY FROM FOUNDATION A MINIMUM OF 6" DROP WITHIN THE FIRST 10 FEET USE CONCRETE SPLASH BLOCK OR DRAIN PIPE AT EACH DOWNSPOUT TO DIRECT RUN–OFF AWAY FROM FOUNDATION.
4. PROVIDE TERMITE PROTECTION AS REQUIRED AND REMOVE ALL WOOD CONSTRUCTION MATERIALS FROM THE EXCAVATION NEAR THE STRUCTURE.

WALLS
1. UNLESS OTHERWISE SPECIFIED ALL PARTITION WALLS ARE 2x4 CONSTRUCTION 16" ON CENTER AND ALL PLUMBING WALLS ARE 2X6 CONSTRUCTION 16" ON CENTER.

MISCELLANEOUS STRUCTURAL
1. SOLID WOOD BEAMS SHALL HAVE AN ALLOWABLE BENDING STRESS OF 1,500 PSI AND A MODULUS OF ELASTICITY OF 1,760,000 PSI.
2. COMPOSITE WOOD BEAMS (CONSTRUCTED OF 3 OR MORE MEMBERS) AND REPETITIVE MEMBERS (JOISTS, RAFTERS SHALL HAVE AN ALLOWABLE BENDING STRESS OF Fb x1.15 PSI AND A MODULUS OF ELASTICITY OF 1,500,000 PSI.
3. ALL STRUCTURAL PANELS (PLYWOOD, WAFER–BOARD, COMPOSITE, PARTICLE BOARD, OSB) SHALL BEAR THE BASIC GRADE TRADEMARKS OF THE AMERICAN PLYWOOD ASSOCIATION.
4. INSTALL TIE–DOWNS (SIMPSON #H7Z OR EQUAL) AT EACH TRUSS OR RAFTER BEARING POINT

TREATED LUMBER:
1. ALL LUMBER SHALL BE STORED OFF GROUND AND UNDER COVER
2. ALL LUMBER SHALL BE FREE OF VISIBLE DEFECTS INCLUDING BUT NOT LIMITED TO SPLINTERING, CRACKS, CHECKS, SEVER TWISTS & BOWS, ETC.
3. ALL LUMBER IN CONTACT WITH GROUND OR CONCRETE SHALL BE SOUTHERN PINE, GRADE NO. 2 OR BETTER, PRESSURE TREATED WITH ALKALINE COPPER QUATERNARY (ACQ).
4. THE PRESERVATIVE TREATMENT SHALL BE FREE OF BOTH ARSENIC AND CHROMIUM.
5. ALL MATERIALS SHALL MEET THE MINIMUM STANDARDS SET BY THE AMERICA WOOD PRESERVERS ASSOCIATION (AWPA).
6. THE FOLLOWING MINIMUM RETENTION RATES FOR THE PRESERVATIVE SHALL BE MET:
   A. MATERIALS INSTALLED ABOVE GROUND (BEAMS, JOISTS, HANDRAILS, ETC)– 0.25–0.40 PCF
   B. MATERIALS IN CONTACT WITH THE GROUND (POSTS) – 0.4 PCF
   C. 5/4" DECKING – 0.15 PCF PLUS WATER REPELLENT
7. END CUTS SHALL BE TREATED WITH FIELD APPLIED PRESERVATIVE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

FASTENERS FOR TREATED LUMBER:
1. ALL FASTENERS SHALL BE APPROVED FOR USE WITH ACQ TREATED LUMBER.
2. ALL FASTENERS SHALL BE EITHER STAINLESS STEEL OR HOT DIPPED GALVANIZED STEEL.
3. ALL FASTENERS USED BELOW GRADE TO WITHIN 6 INCHES OF THE FINISHED GROUND ELEVATION SHALL BE STAINLESS. ALL FASTENERS USED ABOVE 6 INCHES FROM THE FINISHED GRADE ELEVATION CAN BE EITHER STAINLESS STEEL OR HOT DIPPED GALVANIZED.
4. STAINLESS STEEL FASTENERS SHALL BE EITHER TYPE 304 OR TYPE 316 STAINLESS STEEL.
5. HOT DIPPED GALVANIZED FASTENERS AND CONNECTORS SHALL MEET ASTM A653, CLASS G185 SHEET WITH 1.85 OUNCES OF ZINC COATING PER SQUARE FOOT MINIMUM.
6. FASTENERS AND CONNECTORS USED TOGETHER SHALL BE OF THE SAME TYPE (I.E. – HOT DIPPED NAILS SHALL BE USED WITH HOT DIPPED JOIST HANGERS, STAINLESS STEEL NUTS\WASHERS SHALL BE USED WITH STAINLESS STEEL BOLTS).
7. STANDARD CARBON STEEL AND ALUMINUM PRODUCTS SHALL NOT BE INSTALLED IN DIRECT CONTACT WITH PRESSURE TREATED LUMBER.

WOOD TRUSS NOTES:
1. TRUSSES SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO ORDERING TRUSSES.
3. WOOD TRUSSES SHALL BE DESIGNED/MANUFACTURED BY A RECOGNIZED WOOD TRUSS SUPPLIER NORMALLY ENGAGED IN THIS TYPE OF WORK.
4. TRUSS SUPPLIER SHALL SUBMIT SHOP DRAWINGS\DESIGN DRAWINGS STAMPED BY AN ENGINEER LICENSED IN THE STATE OF NEW YORK SHOWING TRUSS CONFIGURATIONS, MEMBER SIZES, CONNECTIONS, LUMBER GRADES/SPECIES, MEMBER FORCES, DEFLECTIONS, ETC.
5. TRUSS CERTIFICATES SHALL BE SUPPLIED TO THE CODE ENFORCEMENT DEPARTMENT, OWNER AND ENGINEER.
6. ROOF TRUSSES SHALL BE DESIGNED FOR A MAXIMUM LIVE LOAD DEFLECTION OF L/360.
7. IT IS THE RESPONSIBILITY OF THE TRUSS DESIGNER/MANUFACTURER TO DETERMINE AND DESIGN FOR ANY POINT LOADS DUE TO RIDGE AND VALLEY FRAMING (IF APPLICABLE).
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER AND TIMELY INSTALLATION OF ALL TEMPORARY AND PERMANENT TRUSS BRACING. BRACING SHALL BE IN ACCORDANCE WITH THE TRUSS MANUFACTURER'S RECOMMENDATIONS AND TPI PUBLICATION BWT–76.
9. TRUSSES SHALL BE ANCHORED SECURELY AT ALL BEARING POINTS WITH METAL DEVICES APPROVED BY THE TRUSS MANUFACTURER.

"ATTIC" ACCESS
1. PROVIDE A 22" X 30" MINIMUM ACCESS TO ATTIC AREAS IN EXCESS OF 30SF AND HAVE A VERTICAL HEIGHT OF 30 INCHES OR MORE
2. A 30" MINIMUM UNOBSTRUCTED HEADROOM IN THE ATTIC SPACE SHALL BE PROVIDED AT SOME POINT ABOVE THE ACCESS OPENING
3. ATTIC ACCESS MUST BE PROVIDED FOR EACH FIRE AREA AND EACH SECTION CREATED BY THE REQUIRED DRAFT STOPPING.

DRAFTSTOPPING – **DRAFTSTOPPING IS NOT REQUIRED FOR THIS BUILDING SINCE THE AREA IS 3,000 SF.**
1. CONCEALED ROOF SPACES\ATTICS SHALL BE DRAFTSTOPPED IN ACCORDANCE WITH SECTION 718.4 OF THE 2020 BUILDING CODE OF NEW YORK STATE.
2. DRAFTSTOPPING SHALL BE INSTALLED SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3,000 SQUARE FEET.
3. DRAFTSTOPPING OF CONCEALED ROOF SPACES\ATTICS SHALL BE ACHIEVED BY INSTALLING ONE LAYER OF 1/2" GYPSUM BOARD OR PLYWOOD FROM FINISHED CEILING TO BOTTOM OF ROOF SHEATING.
4. REFER TO ROOF FRAMING PLAN FOR DRAFT STOPPING LOCATIONS.

FIRE BLOCKING – **FIRE BLOCKING IS REQUIRED FOR THIS BUILDING SINCE THE WALL HEIGHT IS GREATER THAN 10'.**
1. CONCEALED SPACES SHALL BE FIRE BLOCKED IN ACCORDANCE WITH SECTION 718 OF THE 2020 BUILDING CODE OF NEW YORK STATE.
2. FIREBLOCKING SHALL BE CONSTRUCTED OF 2" NOMINAL LUMBER.
3. FIREBLOCKING SHALL BE INSTALLED HORIZONTALLY IN WALLS AT INTERVALS NOT EXCEEDING 10 FEET.
4. FIREBLOCKING SHALL BE PROVIDED AT INTERSECTIONS BETWEEN CONCEALED VERTICAL STUD WALLS AND CONCEALED HORIZONTAL SPACES (FLOORS OR CEILINGS)

PLUMBING
1. ALL PLUMBING SHALL MEET THE REQUIREMENTS OF THE 2020 PLUMBING CODE OF NEW YORK STATE.
2. PROTECTIVE SHIELD PLATES (MINIMUM THICKNESS OF 0.062 INCHES) SHALL BE INSTALLED
3. WHEN PIPING IS INSTALLED THROUGH HOLES\NOTCHES IN STUDS\RAFTERS\JOIST\ETC. AND IS LESS THAN 1.5 INCHES FROM THE NEAREST EDGE OF THE MEMBER.
4. THE EXISTING WATER SERVICE SHALL BE UTILIZED FOR THIS PROJECT.
5. WASTEWATER FROM THE ADDITION SHALL BE DISCHARGED TO A SANITARY SEWER LATERAL.
6. CONNECTION OF STORM DRAINS TO THE SANITARY SEWER SYSTEM IS NOT PERMITTED.
7. GUTTERS AND DOWNSPOUTS SHALL BE INSTALLED TO PROVIDE POSITIVE DRAINAGE OF STORMWATER RUNOFF FROM ROOF.

HEATING, COOLING AND VENTILATION SYSTEMS
BUILDING WILL BE CONDITIONED SPACE. HVAC DESIGN TO BE SUBMITTED UNDER SEPARATE COVER.
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2020 BUILDING, PLUMBING, MECHANICAL AND FUEL GAS CODES OF NEW YORK STATE.
2. THE HEATING SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH THE CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA CONTAINED IN THESE DRAWINGS.
3. THE HEATING SYSTEM SHALL BE CAPABLE OF MAINTAINING AN INDOOR AIR TEMPERATURE OF 68°f (MIN.) AT A POINT OF 3 FEET ABOVE FINISHED FLOOR.
4. FURNACE COMBUSTION AIR SHALL MEET THE REQUIREMENTS OF CHAPTER 7 OF MECHANICAL CODE OF NEW YORK STATE.
5. SPACES THAT CONTAIN HEAT PRODUCING, AIR CONDITIONING AND OTHER EQUIPMENT SHALL BE VENTILATED TO THE OUTER AIR. AIR FROM THESE SPACES SHALL NOT BE RECIRCULATED TO OTHER PARTS OF THE BUILDING.
6. DUCTS SHALL MEET THE REQUIREMENTS OF CHAPTER 6 OF THE MECHANICAL CODE OF NEW YORK STATE.
7. DUCTWORK PASSING THROUGH OR LOCATED WITHIN COMBUSTIBLE CONSTRUCTION SHALL BE SEPARATED FROM SUCH CONSTRUCTION BY A CLEARANCE OF AT LEAST ONE–HALF INCH.
8. DUCTS PENETRATING FIRE RATE ASSEMBLIES SHALL BE RATED FOR THE SAME DURATION AS THE RATED ASSEMBLY.
9. CONCEALED SPACES AROUND DUCT OPENING IN WALLS, CEILINGS, PARTITIONS AND FLOORS SHALL BE FIRE STOPPED.
10. MECHANICAL VENTILATION SHALL BE CAPABLE OF MEETING THE REQUIREMENTS OF TABLE 403.3.1.1 OF INTERNATIONAL MECHANICAL CODE WITH THE NEW YORK STATE ADDENDUM.
11. SUPPLY AND EXHAUST VENTILATION SYSTEMS SHALL BE EQUIPPED WITH TIGHT SHUTOFF DAMPERS TO MINIMIZE AIR LEAKAGE.
12. CONTROLS FOR THE VENTILATING SYSTEM SHALL BE PROVIDED SUCH THAT IT AUTOMATICALLY STOPS THE VENTILATING FANS WHEN FIRE PROTECTION DEVICES ARE ACTIVATED.
13. EXHAUST VENTILATION FOR BATHROOMS SHALL DISCHARGE INDEPENDENTLY AND DIRECTLY TO THE EXTERIOR.

VENTILATION
1. MECHANICAL VENTILATION SHALL BE PROVIDED AS NECESSARY TO COMPLY WITH THE MECHANICAL CODE OF NEW YORK STATE. REFER TO HVAC PLAN.

ELECTRICAL
1. ALL ELECTRICAL WORK AND MATERIALS SHALL MEET THE MINIMUM REQUIREMENTS OF THE NATIONAL ELECTRIC CODE AND SHALL BE IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS AND ALL LOCAL, STATE AND UTILITY COMPANY LAWS, RULES AND ORDINANCES.
2. PROTECTIVE SHIELD PLATES (MINIMUM THICKNESS OF 0.062 INCHES) SHALL BE INSTALLED WHEN WIRING IS INSTALLED THROUGH HOLES\NOTCHES IN STUDS\RAFTERS\JOIST\ETC. AND IS LESS THAN 1.5 INCHES FROM THE NEAREST EDGE OF THE MEMBER.
3. THE LOCATION OF ELECTRICAL SERVICE SHALL BE COORDINATED WITH THE LOCAL ELECTRIC UTILITY.
4. ALL WORK SHALL BE INSPECTED BY AN INDEPENDENT THIRD PARTY ELECTRICAL INSPECTION AGENCY.

LIGHTS
1. ALL OF THE PERMANENTLY INSTALLED LIGHT FIXTURES SHALL BE HIGH–EFFFICACY (I.E. LED)
2. ALL LIGHTS SHALL BE CONTROLLED BY OCCUPANCY SENSOR SWITCHES

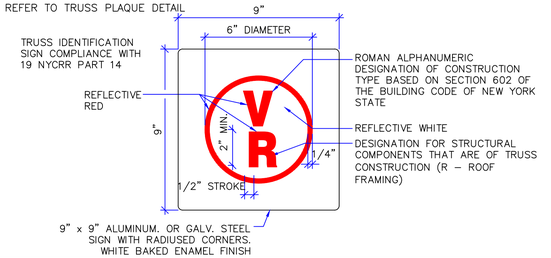
RECESSED LIGHTING
NO RECESSED LIGHTS ARE PROPOSED

SKYLIGHTS
SKYLIGHTS ARE NOT REQUIRED FOR THE STORAGE AREA PER EXCEPTION 2 OF SECTION C402.4.2 SINCE DESIGNED GENERAL LIGHTING POWER DENSITIES ARE LESS THAN 0.5 WATTS/SF

VESTIBULES
VESTIBULES ARE NOT REQUIRED FOR THIS PROJECT PER EXCEPTION NO 2 OF SECTION C402.5.7 SINCE THE BUILDING IS NOT INTENDED FOR PUBLIC USE

ROOF SOLAR REFLECTANCE AND THERMAL EMITTANCE
A WHITE ROOF IS NOT REQUIRED ON ROOF BECAUSE THE PROJECT IS IN CLIMATE ZONE 5.

TRUSS PLAQUES\SIGNS:
1. TRUSS PLAQUES\SIGNS SHALL BE INSTALLED ON THE OUTSIDE OF THE ADDITION AT ALL EXTERIOR DOOR LOCATIONS
2. TRUSS PLAQUES\SIGNS SHALL MEET THE REQUIREMENTS OF NYCRR TITLE 19, CHAPTER XXXIII – STATE FIRE PREVENTION & BUILDING CODE COUNCIL, SUBCHAPTER C– OTHER REGULATIONS, PART 1264–IDENTIFICATION OF BUILDINGS UTILIZING TRUSS TYPE CONSTRUCTION.
3. TRUSS PLAQUE\SIGN SHALL BE LABELED V – R.
4. REFER TO TRUSS PLAQUE DETAIL



DRAWN BY: JTM
PROJ. ENGR.: JTM
PROJ. MNGR.: JTM
CHECKED BY: JTM

NO.	DATE	DESCRIPTION
0	04/09/22	FOR APPROVAL

REVISIONS

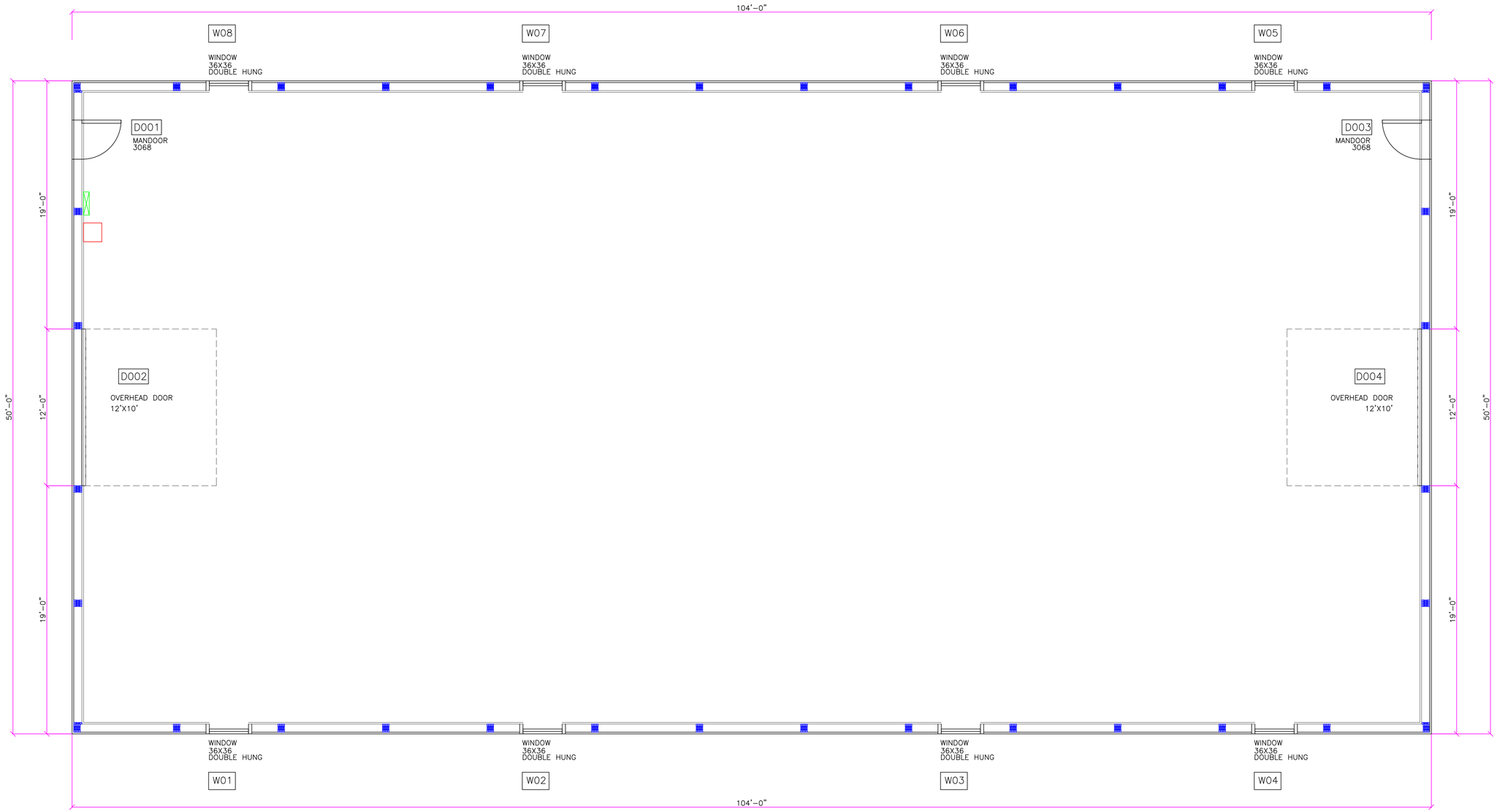
McCormick Engineering P.C.
294 Skuse Road
Geneva, New York 14456
(585) 721–7219

JOB No. 22–164

PRO-CUTTER LANDSCAPE
COUNTY ROAD 47
CANANDAIGUA, NY
Ontario County, New York

GENERAL NOTES

Scale: AS NOTED
Date: 04/22
DWG. A–1.0



FLOOR PLAN

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

CONTRACTOR SHALL CONFIRM ALL DIMENSIONS PRIOR TO ORDERING MATERIALS OR STARTING CONSTRUCTION

CONTRACTOR SHALL CONFIRM LOCATION AND SIZE OF ALL DOORS WITH OWNER PRIOR ORDERING MATERIALS OR STARTING CONSTRUCTION

DRAWN BY: JTM
PROJ. ENGR.: JTM
PROJ. MNGR.: JTM
CHECKED BY: JTM

NO.	DATE	DESCRIPTION
0	04/09/22	FOR APPROVAL

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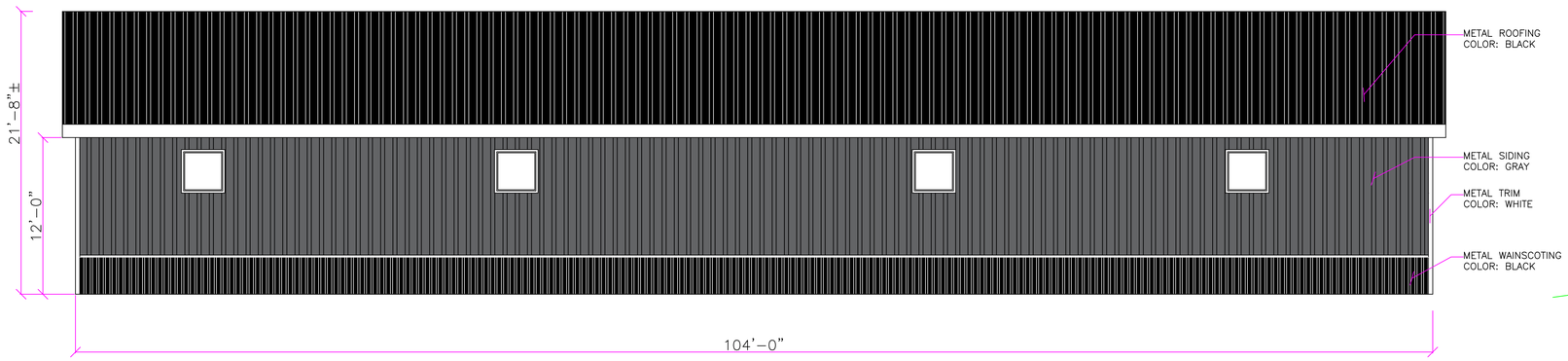
PRO-CUTTER LANDSCAPE
COUNTY ROAD 47
CANANDAIGUA, NY
Ontario County, New York

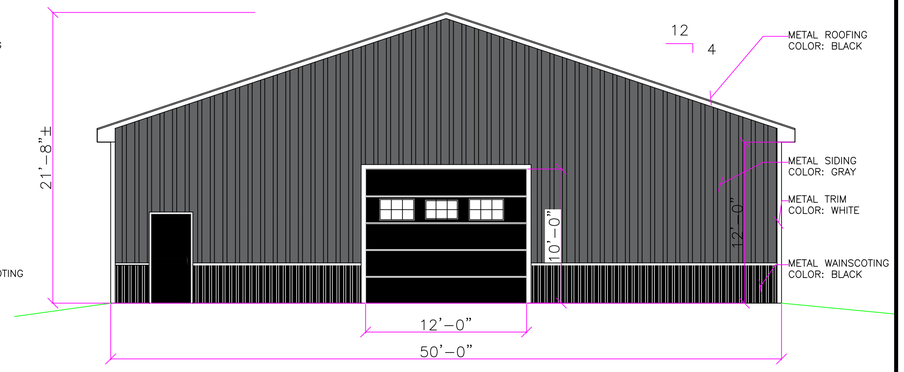
FLOOR PLAN

Scale: AS NOTED | 04/22 | DWG. A-2.0



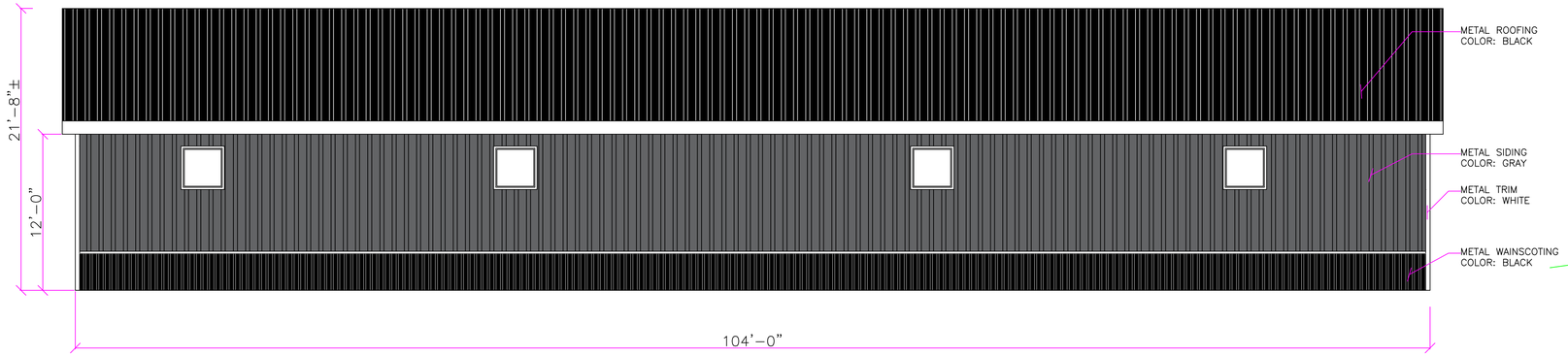
ELEVATION VIEW – EAVE SIDE

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



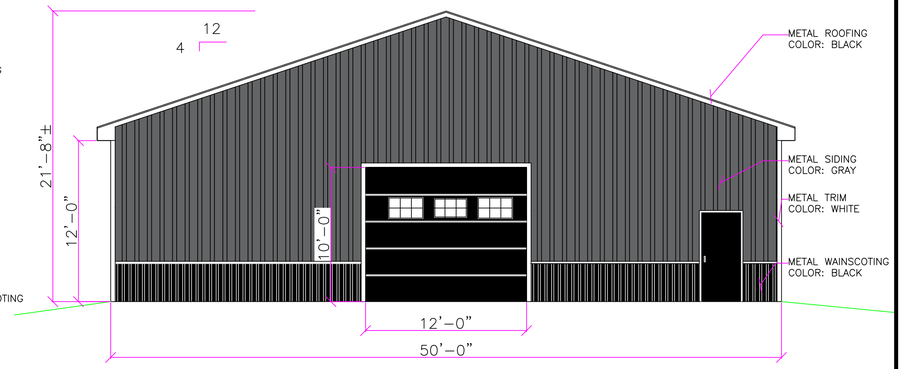
ELEVATION VIEW – GABLE END

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



ELEVATION VIEW – EAVE SIDE

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



ELEVATION VIEW – GABLE END

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

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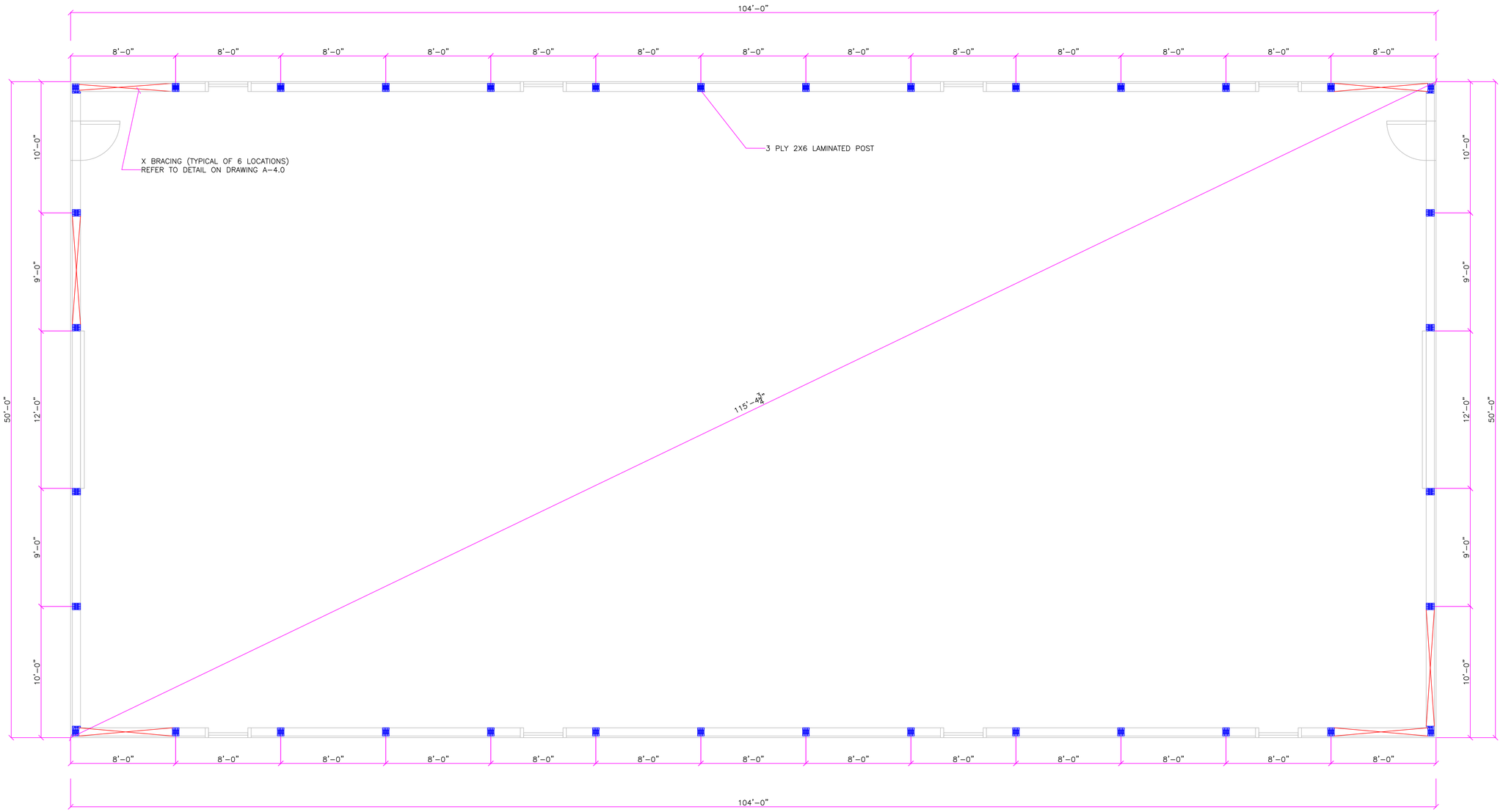
JOB No. 22-164

PRO-CUTTER LANDSCAPE
COUNTY ROAD 47
CANANDAIGUA, NY
Ontario County, New York

ELEVATION VIEWS

Scale: AS NOTED | Date: 04/22 | DWG. A-2.1



POST LOCATION PLAN

SCALE: 1/4" = 1'–0"

WARNING

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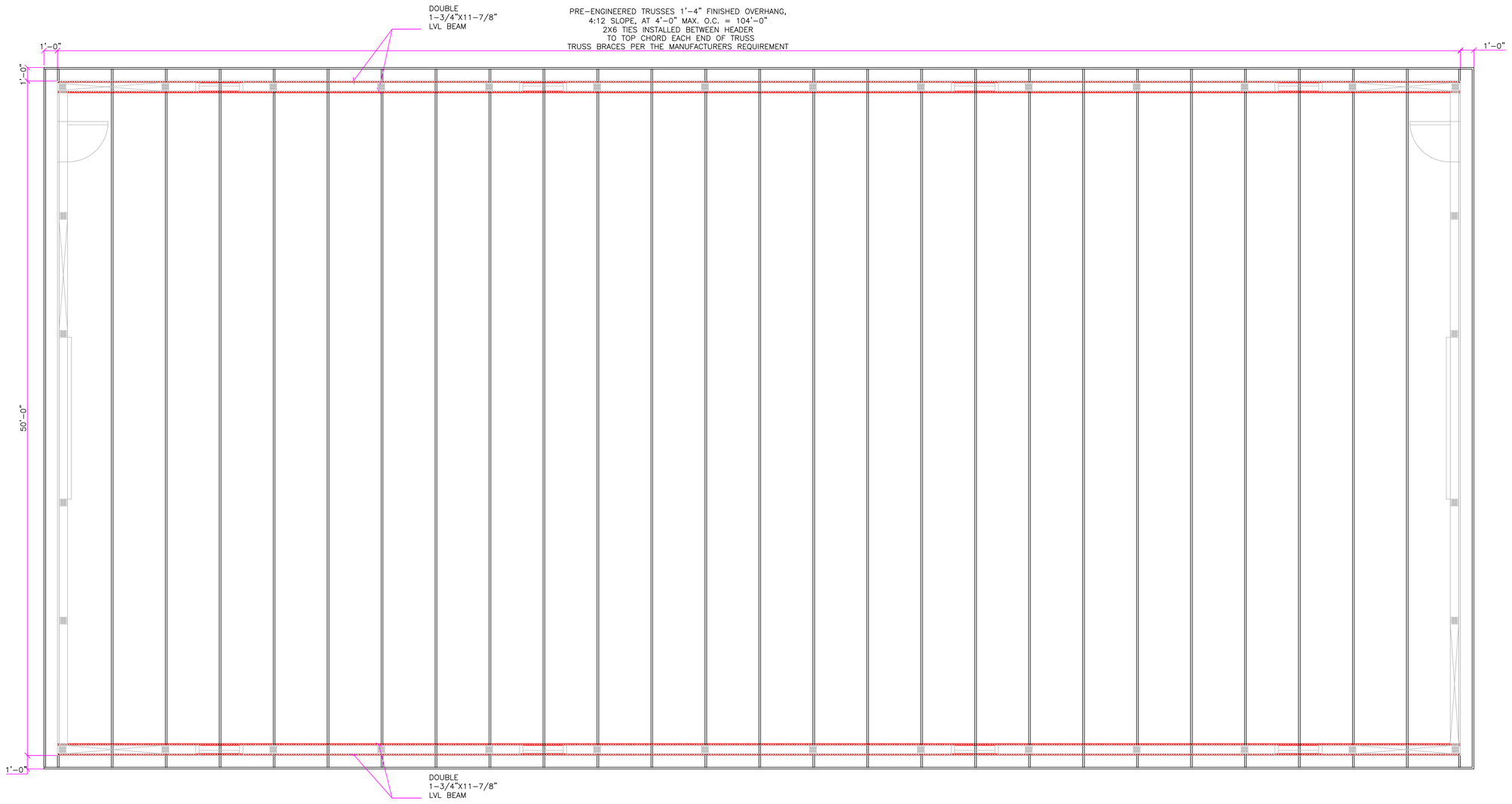
POST LOCATION PLAN

Scale: AS NOTED

Date: 04/22

DWG. A–3.0



ROOF FRAMING PLAN

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

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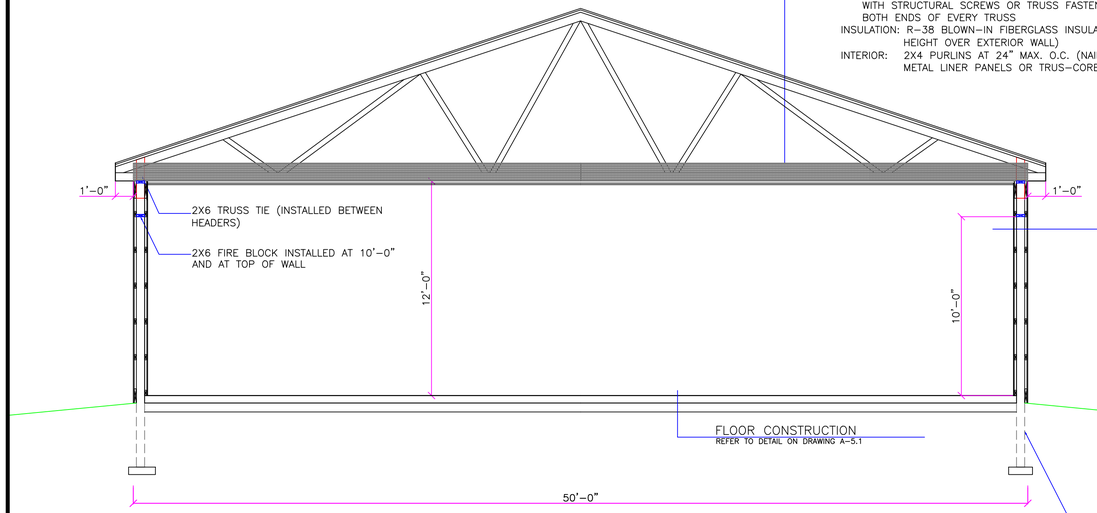
ROOF FRAMING PLAN

Scale: AS NOTED | Date: 04/22 | DWG. A-3.1

TYPICAL ROOF CONSTRUCTION

RIDGE VENT
40 YR METAL ROOFING (COORDINATE STYLE & COLOR WITH OWNER)
DOUBLE BUBBLE INSULATION
2X4 PURLINS AT 24" MAX. O.C. (NAILED TO TRUSSES)
PRE-ENGINEERED TRUSSES (REFER TO BUILDING NOTES AND DRAWING A-3.0)
@ 4'-0" O.C. MAXIMUM, 4:12 PITCH, 2'-0" FINISHED OVERHANG
(NOTE: VAULTED TRUSS AT MEZZANINE)
HURRICANE TIE DOWN STRAPS (2X6 TRUSS INSTALLED BETWEEN HEADERS FASTENED WITH STRUCTURAL SCREWS OR TRUSS FASTENED TO POST WITH STRUCTURAL SCREWS) BOTH ENDS OF EVERY TRUSS
INSULATION: R-38 BLOWN-IN FIBERGLASS INSULATION - MAINTAIN 1" MINIMUM AIR GAP (FULL UNCOMPRESSED HEIGHT OVER EXTERIOR WALL)
INTERIOR: 2X4 PURLINS AT 24" MAX. O.C. (NAILED TO BOTTOM CHORD TRUSSES) METAL LINER PANELS OR TRUS-CORE PANELS



TYPICAL CONSTRUCTION

POSTS - 3 PLY 2X6 LAMINATED POSTS - REFER TO DRAWING ON A-3.0
PURLINS - 2X4 AT 2'-0" MAX. O.C. (INSTALLED HORIZONTAL ON EXTERIOR SIDE OF POST)
BOTTOM BOARD - 2X8 PRESSURE TREATED
HEADER - TWO 1-3/4" X 11-7/8"" LVL REFER TO DETAILS ON DRAWING A-4.1, REFER TO DRAWING A-3.1 FOR HEADER LOCATIONS/SIZES
EXTERIOR FINISH - 40 YR METAL SIDING OVER VAPOR BARRIER SEAL (TAPE) VAPOR BARRIER SEAMS (COORDINATE STYLE & COLOR WITH OWNER)
INSULATION - R-21 FIBERGLASS INSULATION OR APPROVED EQUIVALENT R-VALUE INSULATION
INTERIOR - 2X4 AT 2'-0" MAX. O.C. (INSTALLED HORIZONTAL ON WHITE METAL LINER PANELS (REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISHES)

PANELS SHALL BE TRIMMED AT ALL OPENINGS AND SEAMS

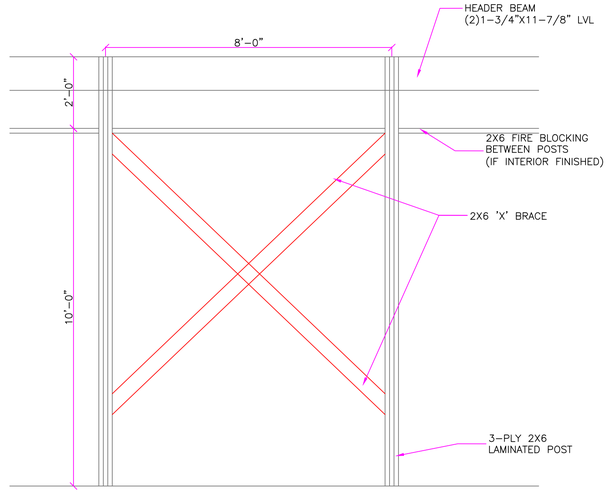
LAMINATED POST WITH POST WRAP AND FOOTER SHALL BE A MINIMUM OF 42" BELOW GRADE. REFER TO DETAILS ON DRAWING A-4.1 (TYPICAL ALL POSTS)

NOTES:

1. ALL WOOD IN CONTACT WITH EARTH OR CONCRETE SHALL BE ACQ TREATED LUMBER

TYPICAL SECTION

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



'X' BRACE DETAIL

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

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PROJECT
PRO-CUTTER LANDSCAPE
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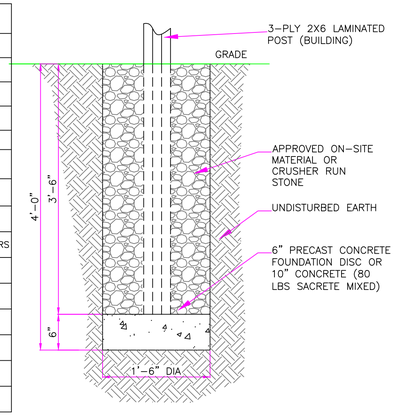
Ontario County, New York

TYPICAL SECTIONS AND DETAILS

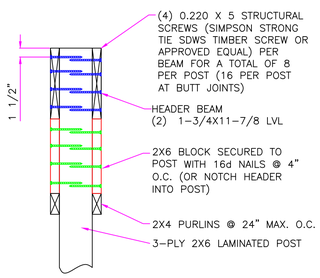
Scale: AS NOTED | Date: 04/22 | DWG. A-4.0

MATERIALS SUMMARY TABLE

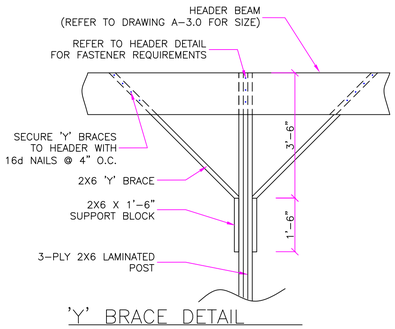
ITEM	DIMENSIONS
POSTS	3 PLY 2X6 LAMINATED POST (BUILDING) REFER TO DRAWING A–3.0
HEADERS	(2) 1–3/4"X11–7/8" LVL (AT OHDs) REFER TO ROOF FRAMING PLAN ON DRAWING A–3.1
PURLINS (ROOF & SIDES)	2X4 @ 24" MAX. O.C.
BOTTOM\BASE BOARD	2X8 PRESSURE TREATED
'X' BRACES	2X6 AT LOCATIONS SHOWN ON POST LOCATION PLAN
'Y' BRACES	2X6 AT EVERY POST (EXCEPT OVERHED DOOR LOCATIONS)
TRUSS CROSS BRACE	2X4
TRUSS FOR BUILDING	PRE–ENGINEERED RAISED HEEL ENERGY TRUSS @ 4' MAX OC, 12" OVERHANG REFER TO ROOF FRAMING PLAN ON DRAWING A–3.0
TRUSS TIES	2X6 (BOTH ENDS AND INTERIOR BEARING POINTOF EACH TRUSS) BETWEEN HEADERS
STRUCTURAL SCREWS	0.220 X 6 STRONG DRIVE SDWS TIMBER SCREW BY SIMPSON STRONG TIE OR APPROVED EQUAL
ROOFING	40 YEAR STEEL ROOFING PANELS OVER DOUBLE BUBBLE INSULATION STYLE AND COLOR TO BE DETERMINED
SIDING	40 YEAR STEEL SIDING PANELS OVER VAPIER BARRIER STYLE AND COLOR TO BE DETERMINED
INTERIOR FINISH	WALLS – WHITE METAL LINER PANELS/CEILING – WHITE METAL LINER PANELS
INSULATION	R–21 FIBERGLASS WALLS/R–38 BLOWN–IN OR BATT FIBERGLASS CEILING
GUTTERS	6" SEEAMLESS (OPTIONAL)



POST DETAIL
BUILDING
SCALE: 3/4" = 1'–0"



HEADER DETAIL
EAVES (BUILDING)
SCALE: 3/4" = 1'–0"



'Y' BRACE DETAIL
SCALE: 1/2" = 1'–0"

DOOR SCHEDULE

MARK	QUANTITY	SIZE	TYPE/SPECIFICATIONS
D001	1	3'–0"'X6'–8"	EXTERIOR MAN DOOR, PAINTED METAL FRAME AND DOOR, WINDOW, R–15 MINIMUM R–VALUE, ADA LEVER HANDLES, LOCKSET
D002	1	12'X10'	OVERHEAD DOOR, R–15 MINIMUM R–VALUE, DOUBLE GASKET SEALS, JACK SHAFT OPERATOR, WINDOWS
D003	1	3'–0"'X6'–8"	EXTERIOR MAN DOOR, PAINTED METAL FRAME AND DOOR, WINDOW, R–15 MINIMUM R–VALUE, ADA LEVER HANDLES, LOCKSET
D004	1	12'X10'	OVERHEAD DOOR, R–15 MINIMUM R–VALUE, DOUBLE GASKET SEALS, JACK SHAFT OPERATOR, WINDOWS

WINDOW SCHEDULE

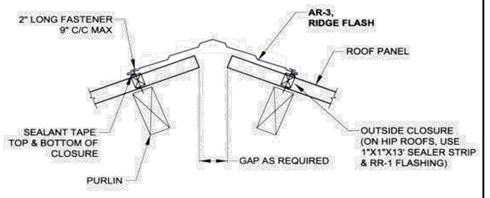
MARK	QUANTITY	SIZE	TYPE	MANUFACTURER	U–FACTOR	SHGC
W001	1	36"X36"	DOUBLE HUNG, DOUBLE PANE, LOW–E	ANDERSEN SILVERLINE	0.29	0.26
W002	1	36"X36"	DOUBLE HUNG, DOUBLE PANE, LOW–E	ANDERSEN SILVERLINE	0.29	0.26
W003	1	36"X36"	DOUBLE HUNG, DOUBLE PANE, LOW–E	ANDERSEN SILVERLINE	0.29	0.26
W004	1	36"X36"	DOUBLE HUNG, DOUBLE PANE, LOW–E	ANDERSEN SILVERLINE	0.29	0.26
W005	1	36"X36"	DOUBLE HUNG, DOUBLE PANE, LOW–E	ANDERSEN SILVERLINE	0.29	0.26
W006	1	36"X36"	DOUBLE HUNG, DOUBLE PANE, LOW–E	ANDERSEN SILVERLINE	0.29	0.26
W007	1	36"X36"	DOUBLE HUNG, DOUBLE PANE, LOW–E	ANDERSEN SILVERLINE	0.29	0.26
W008	1	36"X36"	DOUBLE HUNG, DOUBLE PANE, LOW–E	ANDERSEN SILVERLINE	0.29	0.26

FINISH SCHEDULE

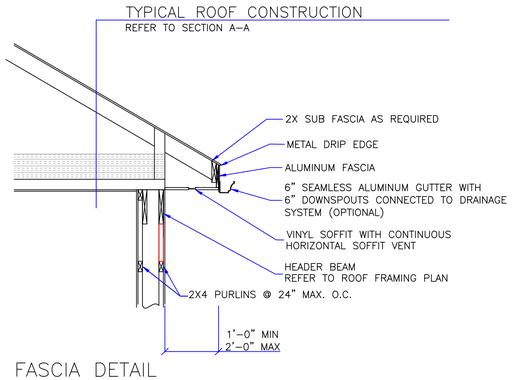
ROOM	FLOOR	WALLS	CEILING
STORAGE AREA	SEALED CONCRETE	WHITE METAL LINER PANELS	WHITE METAL LINER PANELS OR TRUS–CORE PANELS

CONFIRM ALL ROOM FINISHES, DOOR/WINDOW SIZES AND ROUGH OPENINGS WITH OWNER PRIOR TO CONSTRUCTION

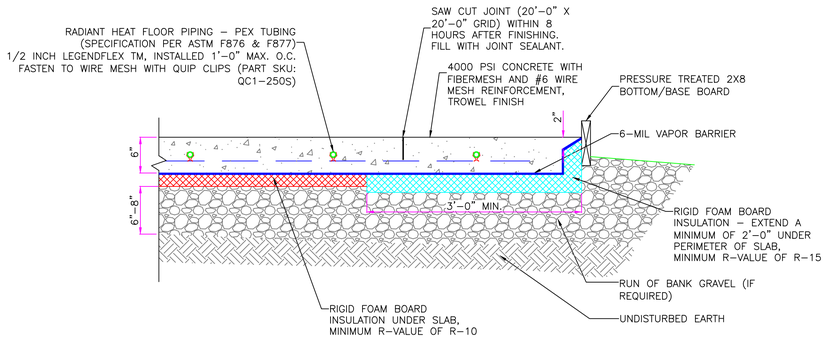
Ridge Vent Detail



If closures are omitted, Fabral suggests using screen wire between panels and ridge gap area to keep insects and birds out of attic area. Closures and sealant are recommended where weather resistance is necessary.



FASCIA DETAIL
SCALE: 1/2" = 1'–0"



TYPICAL CONCRETE FLOOR SECTION
(RADIANT HEAT)
SCALE: 1" = 1'–0"

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TYPICAL DETAILS

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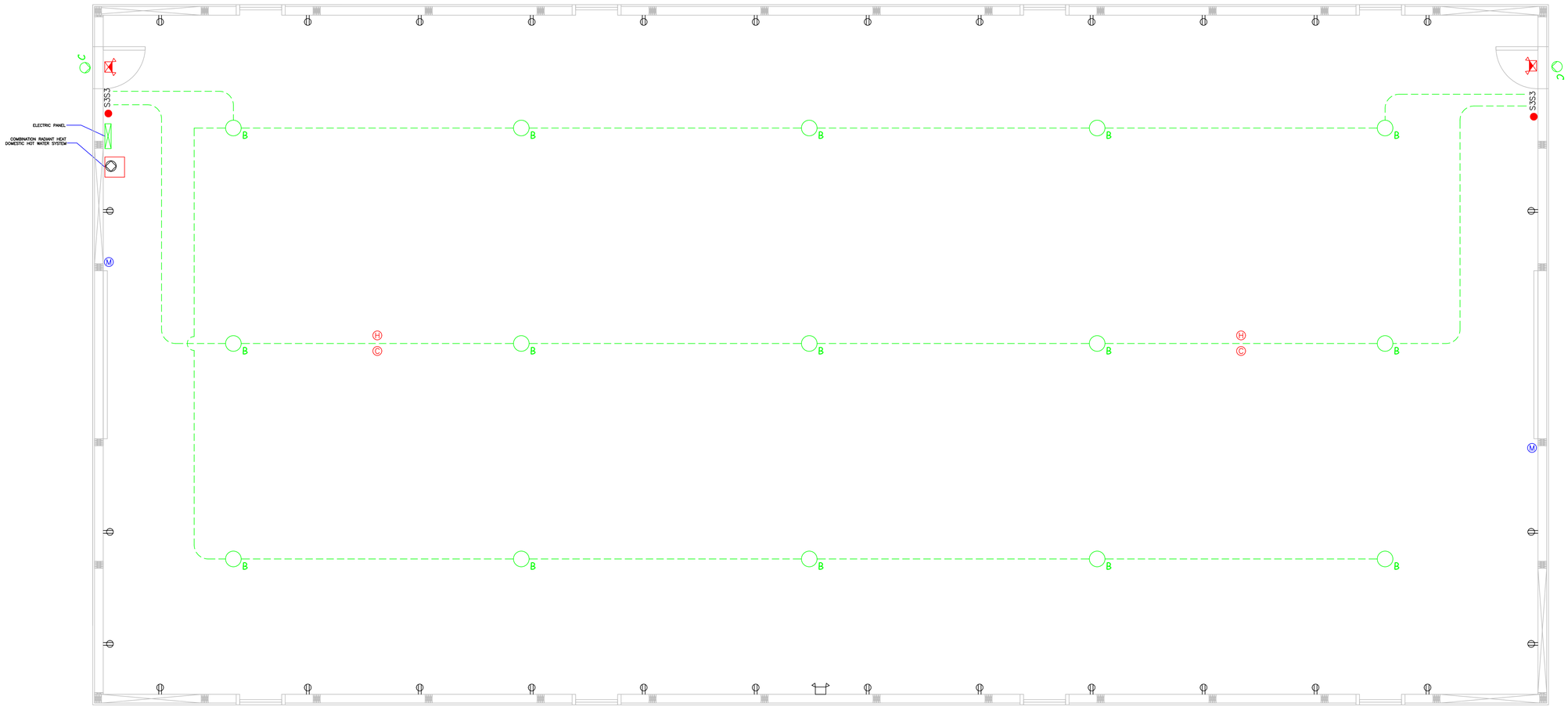

LEGEND

- EXIT SIGN & EMERGENCY EGRESS LIGHT
- EMERGENCY EGRESS LIGHT
- (S) SMOKE DETECTOR – HARD WIRED
- (H) HEAT DETECTOR – HARD WIRED
- (C) CARBON MONOXIDE DETECTOR – HARD WIRED
- TYPE 4–A FIRE EXTINGUISHER W/ ID SIGN
- DUPLEX ELECTRICAL OUTLET, 120 V
- ELECTRICAL OUTLET AS REQUIRED FOR APPLIANCE
- S LIGHT SWITCH WITH OCCUPANCY SENSOR
- S3 THREE WAY LIGHT SWITCH WITH OCCUPANCY SENSOR
- (M) OVERHEAD DOOR OPENER

B = HIGH BAY LED SURFACE OR APPROVED EQUAL
SURFACE MOUNTED
QTY 15
MOTION SENSOR ACTIVATION

C = LED EXTERIOR LIGHT
BUILDING MOUNTED FIXTURE
DUSK–TO–DAWN SENSOR
MOUNTING HEIGHT IS 10'
QTY 2

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ELECTRIC PLAN AND FIRE PROTECTION PLAN

Scale: AS NOTED
Date: 04/22
DWG. E–1.0 FP–1.0