

ARCHITECTURE
DESIGN
COMMERCIAL
RESIDENTIAL

Joshua A. Wright Architect

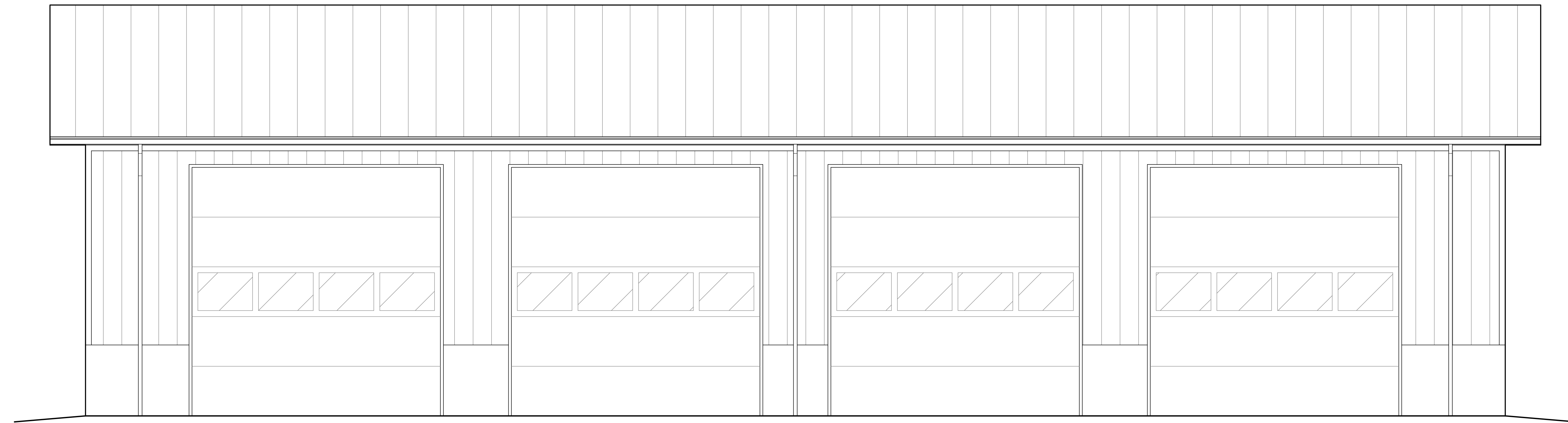
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A NEW STORAGE BUILDING FOR THE TOWN OF ASHLAND CITY FIRE DEPARTMENT ASHLAND CITY, TENNESSEE

ABBREVIATIONS

AL	ALUMINUM	CONC	CONCRETE	ENT	ENTRANCE	INSUL	INSULATION	NOM	NOMINAL	S	SUPPLY	TYP	TYPICAL
ARCH	ARCHITECTURAL	CONF	CONTINUOUS	EST	ESTIMATE	INT	INTERIOR	NR	NOT REQUIRED	S & V	STAIN AND VARNISH	UR	URNAL
AVG	AVERAGE	CPT	CARPET	FIN	FINISH	IRC	INTERNATIONAL RESIDENTI	NTS	NOT TO SCALE	SAT	SUSPENDED ACOUSTICAL C	V	VINYL
BL	BLOCK	CORR	CORRIDOR	FO	FINISH OPENING	LAV	LAVATORY	OC	ON CENTER	SC	SOLID CORE	VERT	VERTICAL
BP	BEARING PLATE	CW	COLD WATER	GA	GAUGE	LINO	LINOLEUM	OD	OUTSIDE DIMENSION	SCHED	SCHEDULE	VEST	VESTIBULE
BR	BRICK	DET	DETAIL	GALV	GALVANIZED	MAR	MARBLE	PNT	PAINT	SEC	SECTION	VT	VINYL TILE
CPT	CARPET	DF	DRINKING FOUNTAIN	GL	GLASS	MAX	MAXIMUM	PLW	PLYWOOD	SHT	SHEET	WC	WATER CLOSET
CBL	CONCRETE BLOCK	DIA	DIAMETER	GALVL	GALVALUME	MET	METAL	POL	POLISHED	SPECS	SPECIFICATIONS	WD	WOOD
CEM	CEMENT	DM	DIMENSION	HC	HOLLOW CORE	MIN	MINIMUM	PROJ	PROJECT	SQ FT	SQUARE FEET	WDW	WINDOW
CT	CERAMIC TILE	DN	DOWN	HM	HOLLOW METAL	MO	MASONRY OPENING	QT	QUARRY TILE	SRWY	STAIRWAY	WP	WATER PROOF
CFM	CUBIC FEET PER MINUTE	DS	DOWNSPOUT	HOR	HORIZONTAL	MULL	MULLION	R	RISER	ST	STEEL		
CI	CAST IRON	DW	DISHWASHER	HT	HEIGHT	NA	NOT APPLICABLE	RNG	RANGE	STOR	STORAGE		
CL	CENTER LINE	EA	EACH	HW	HOT WATER	NAT	NATURAL	REF	REFRIGERATOR	STRUC	STRUCTURAL		
CLG	CEILING	EFS	EXTERIOR INSULATED FIN	HWD	HARD WOOD	NPC	NOT PART OF CONTRACT	REV	REVISION	SUSP	SUSPENDED		
CLO	CLOSER	ELEV	ELEVATION	ID	INSIDE DIMENSION	NO	NUMBER	RO	ROUGH OPENING	T	TREAD		

GENERAL NOTE

IF THE ARCHITECT OF RECORD HAS LIMITED INVOLVEMENT DURING THE CONSTRUCTION ADMINISTRATION PHASE, HE IS NOT RESPONSIBLE FOR INTERPRETING THE INTENT OF THE CONSTRUCTION DOCUMENTS, INCLUDING MAKING MODIFICATIONS AS MAY BE NECESSARY DURING THE CONSTRUCTION PHASE; AND THE ARCHITECT OF RECORD IS NO LONGER LIABLE FOR THE WORK WHERE CHANGES TO THESE DOCUMENTS HAVE BEEN MADE.

GENERAL CODE DATA

APPLICABLE CODES
NATIONAL FRAME BUILDING ASSOCIATION POST-FRAME DESIGN MANUAL SECOND EDITION

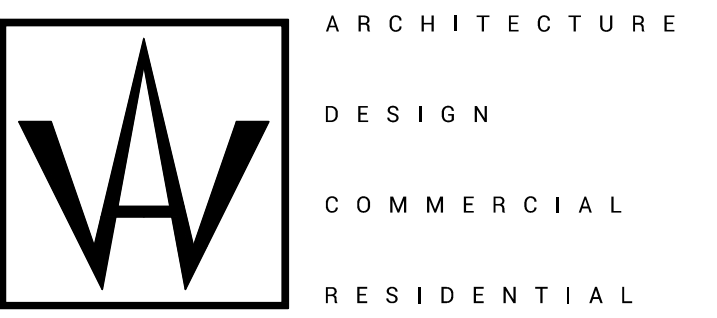
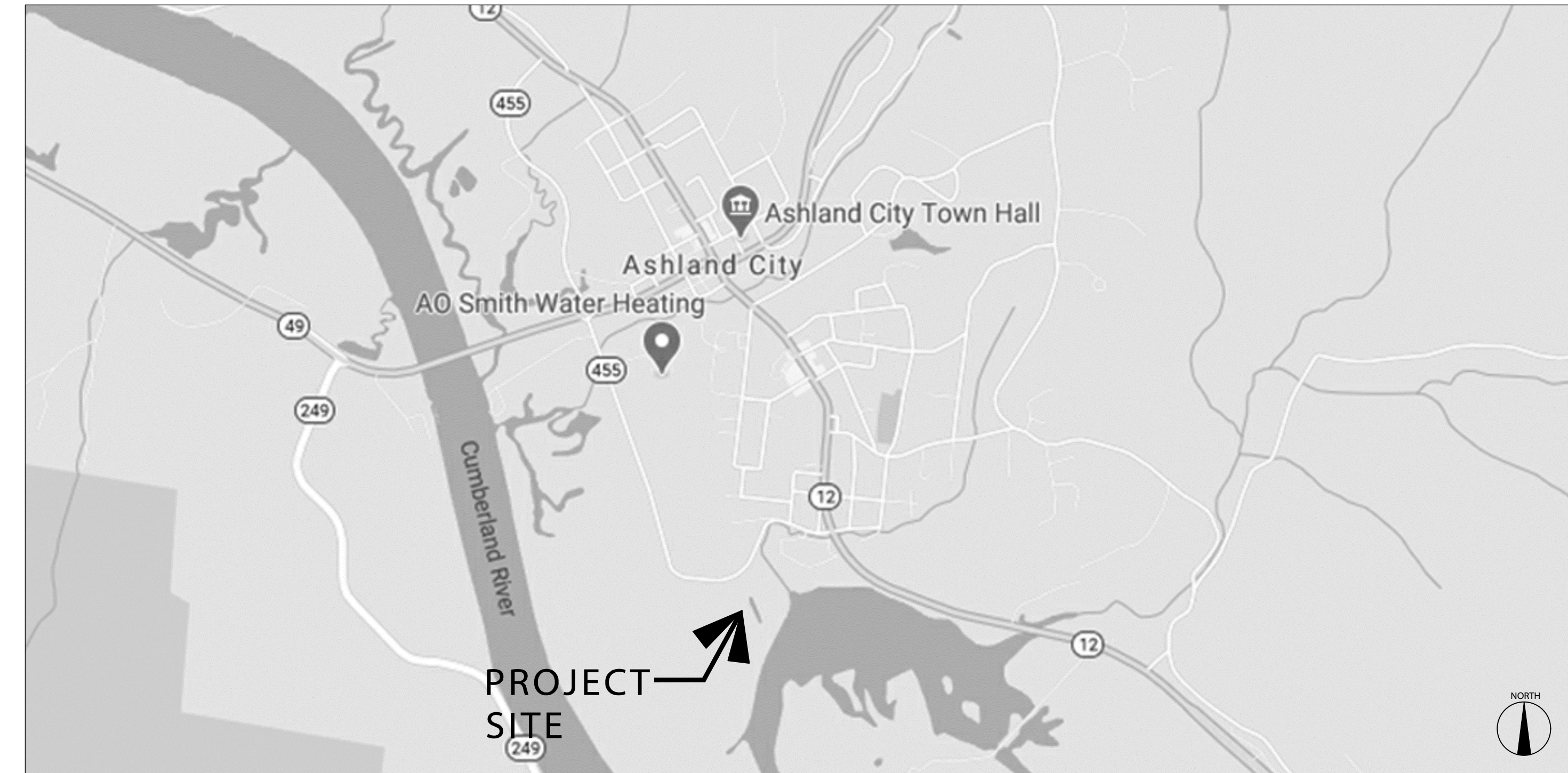
AREA

MAIN FLOOR	3,200 SQUARE FEET
BUILDING HEIGHT	23'-2"

DRAWING SYMBOLS

	COLUMN INDICATOR		SITE PLAN NOTE REFERENCE
	DOOR INDICATOR		INTERIOR ELEVATION INDICATOR
	WINDOW INDICATOR		ELEVATION LEVEL INDICATOR
	DETAIL REFERENCE		EXTERIOR ELEVATION
	SECTION LINE		ENLARGED DETAIL OF AREA
	KEYNOTE		PARTITION INDICATOR
	NORTH ARROW		

VICINITY MAP



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PROJECT:
A NEW STORAGE BUILDING
FOR
THE ASHLAND CITY FIRE DEPARTMENT

ASHLAND CITY, TENNESSEE 37015

SHEET DESCRIPTION:
TITLE SHEET

CONSULTANT:

DATE:

REVISION DATE:

REVISION DATE:

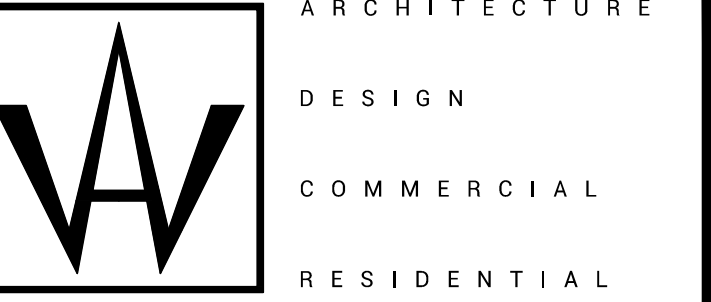
REVISION DATE:

DRAWN BY:

PROJECT NUMBER: 2021 - 12

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T1



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PROJECT:
A NEW STORAGE BUILDING
FOR
THE ASHLAND CITY FIRE DEPARTMENT

ASHLAND CITY, TENNESSEE 37015

SHEET DESCRIPTION:
SCHEMATIC FOUNDATION PLAN

CONSULTANT:

DATE:

REVISION DATE:

REVISION DATE:

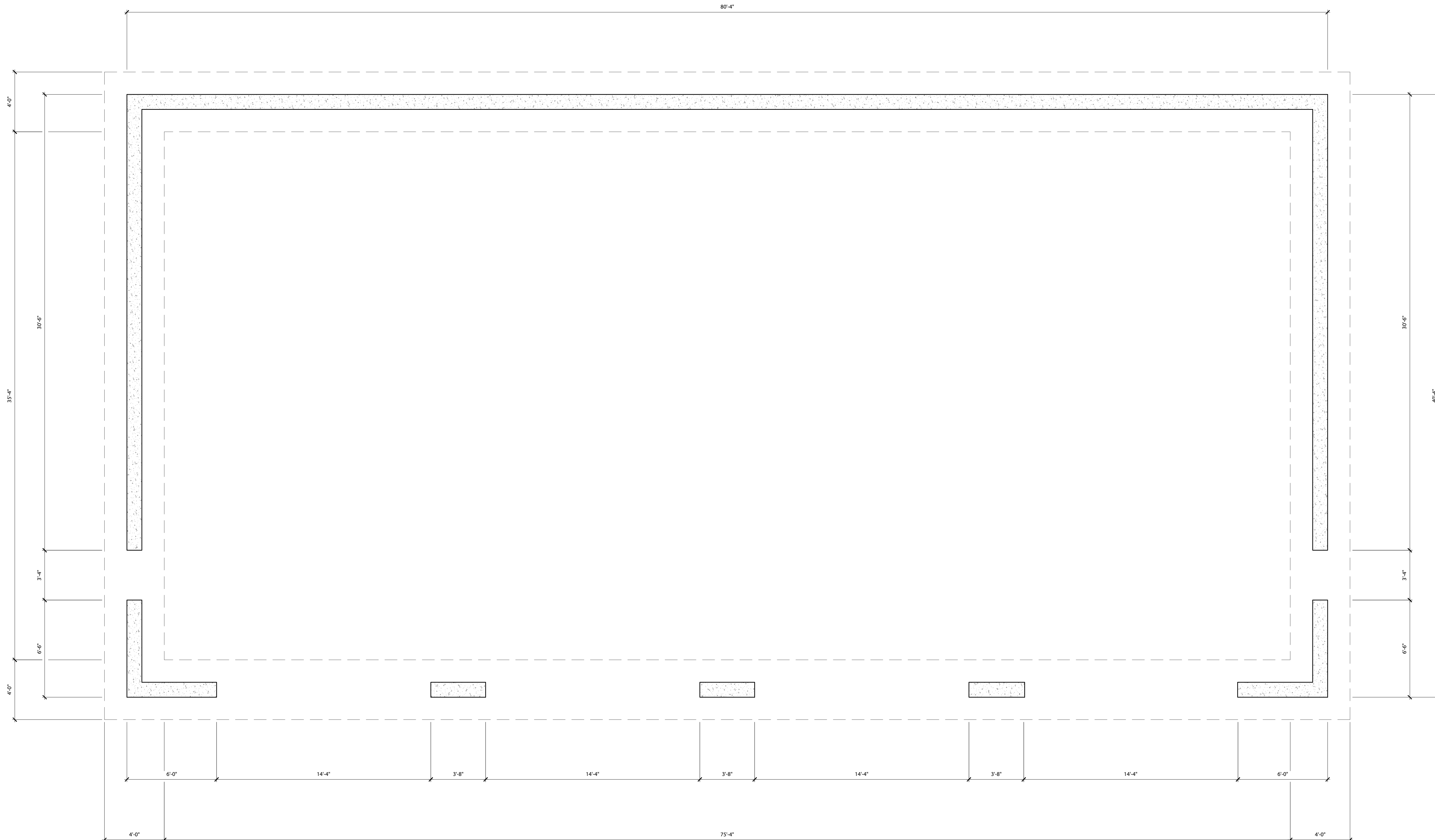
REVISION DATE:

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PROJECT NUMBER: 2021 - 12

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A2.0



1 SCHEMATIC FOUNDATION PLAN
A2.0 SCALE: 3/8" = 1'-0"

PROJECT:
A NEW STORAGE BUILDING
FOR
THE ASHLAND CITY FIRE DEPARTMENT

ASHLAND CITY, TENNESSEE 37015

SHEET DESCRIPTION:
SCHEMATIC FRAMING/FLOOR PLAN

CONSULTANT:

DATE:

REVISION DATE:

REVISION DATE:

REVISION DATE:

DRAWN BY:

PROJECT NUMBER: 2021 - 12

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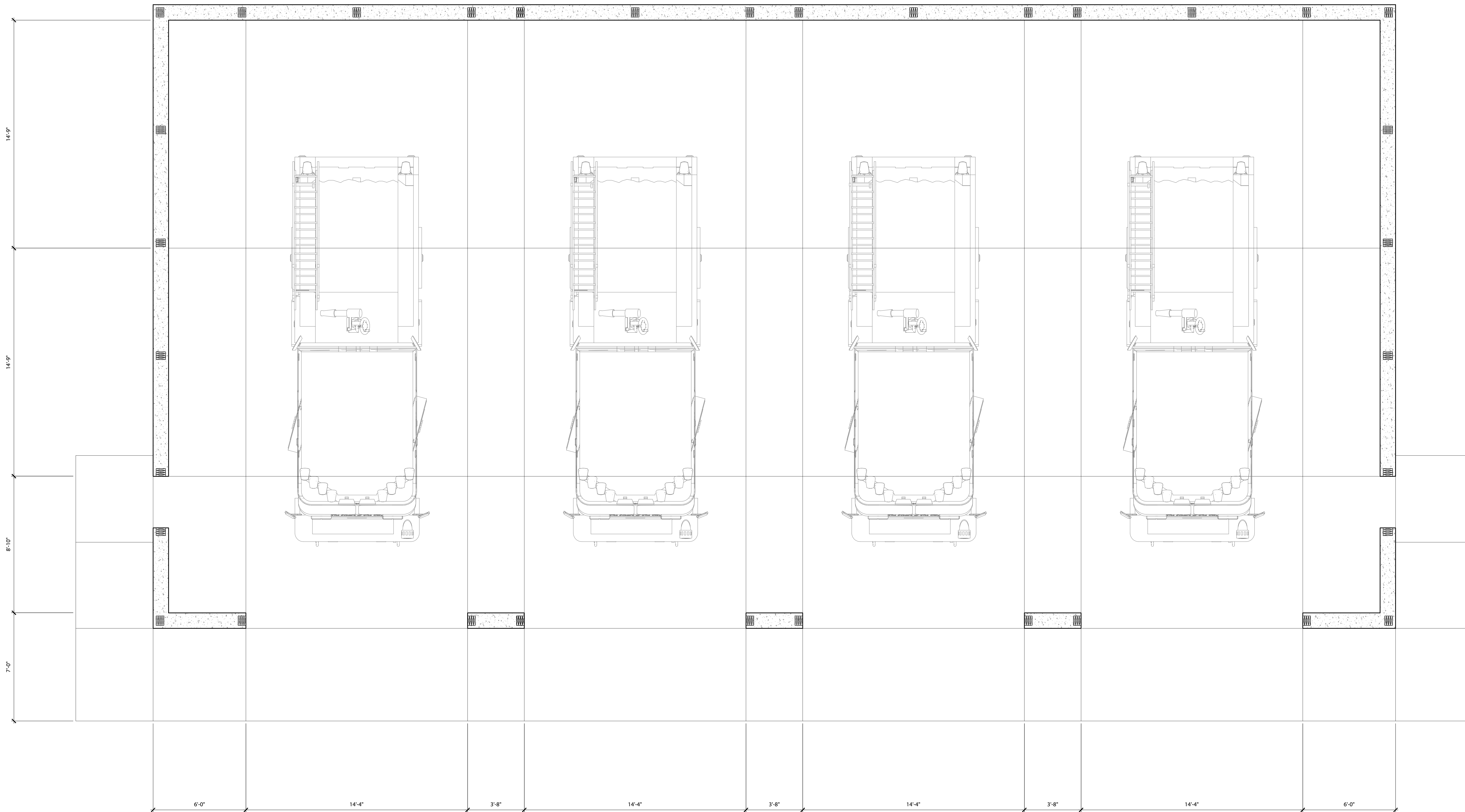
A2.1



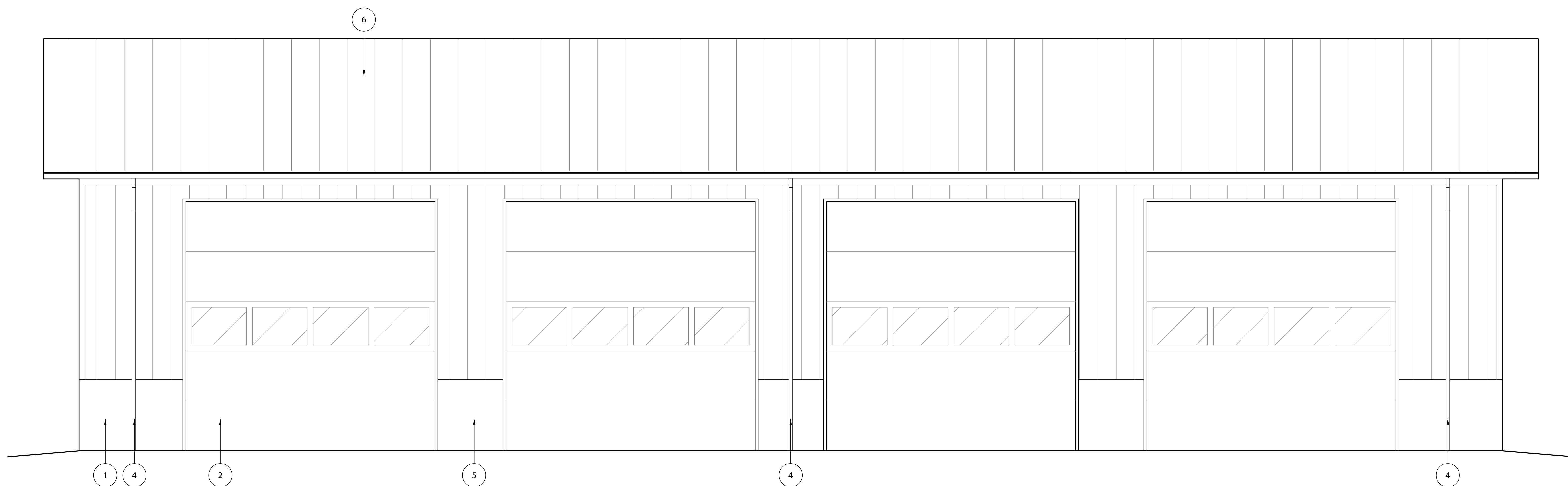
1 SCHEMATIC FRAMING/FLOOR PLAN
A2.1 SCALE: 3/8" = 1'-0"

GENERAL NOTES

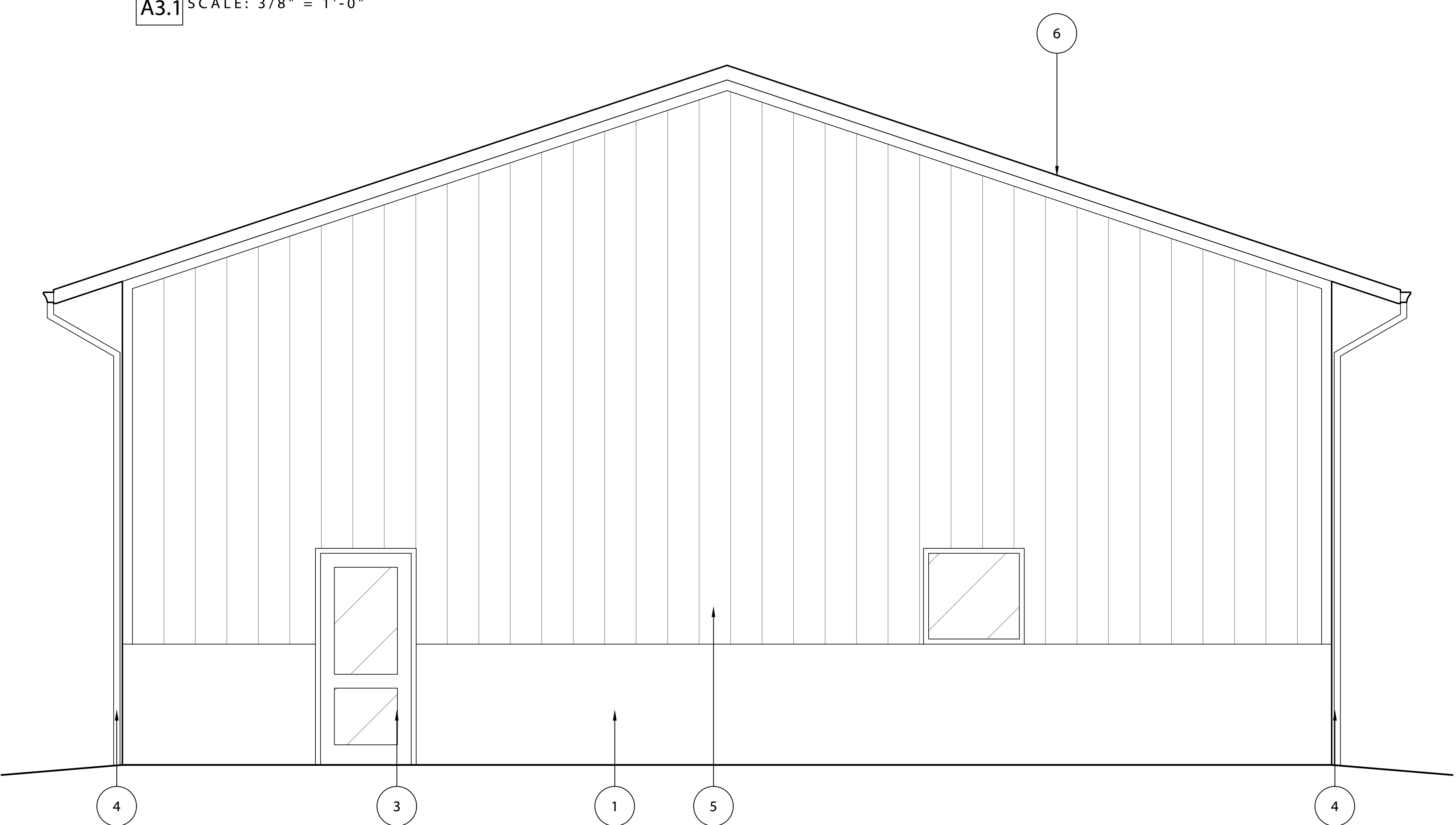
1. ALL BRACING TO BE INSTALLED PER THE NATIONAL FRAME BUILDERS ASSOCIATION POST-FRAME DESIGN MANUAL.



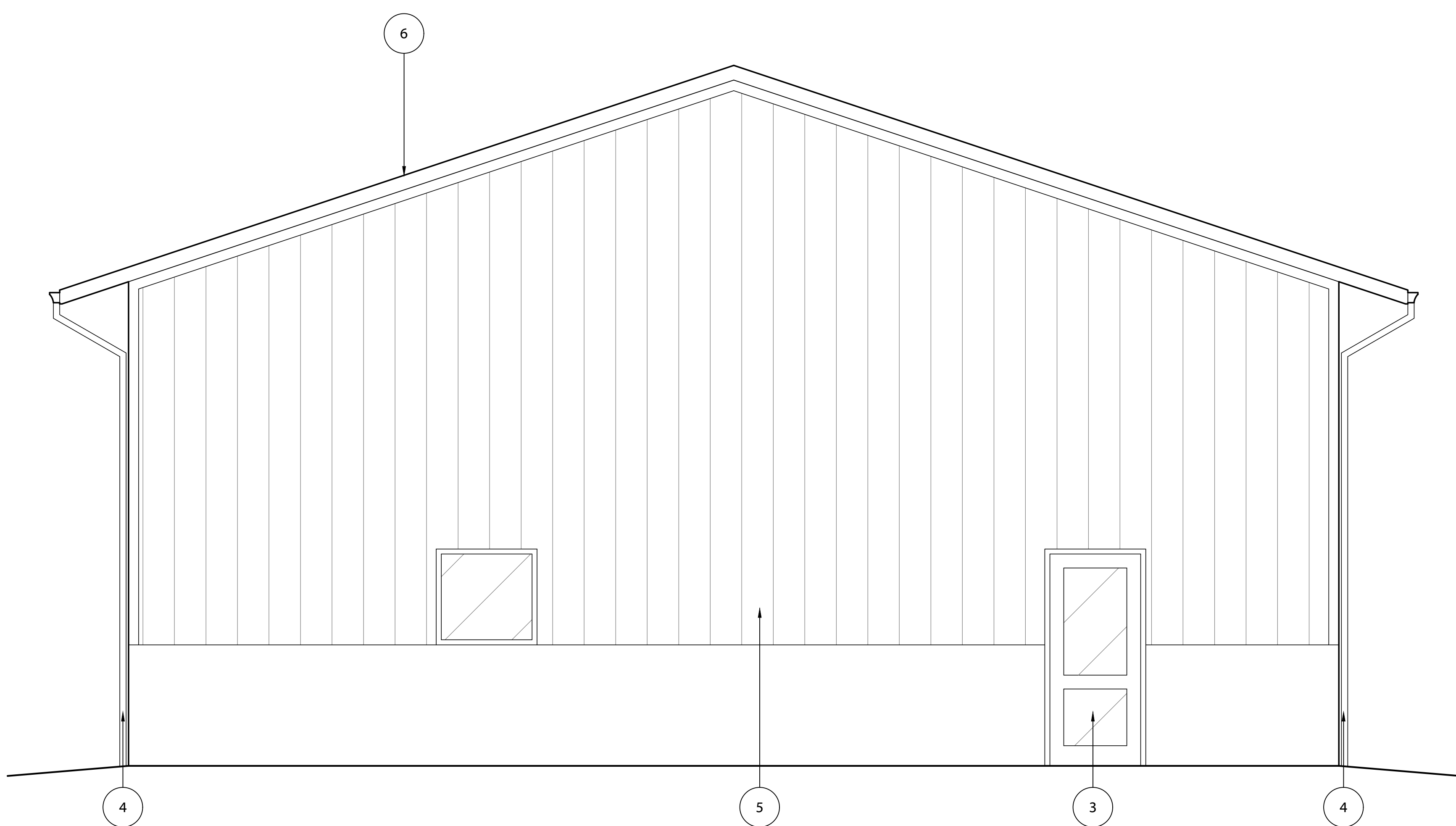
1 CONTROL JOINT PLAN
A2.2 SCALE: 3/8" = 1'-0"



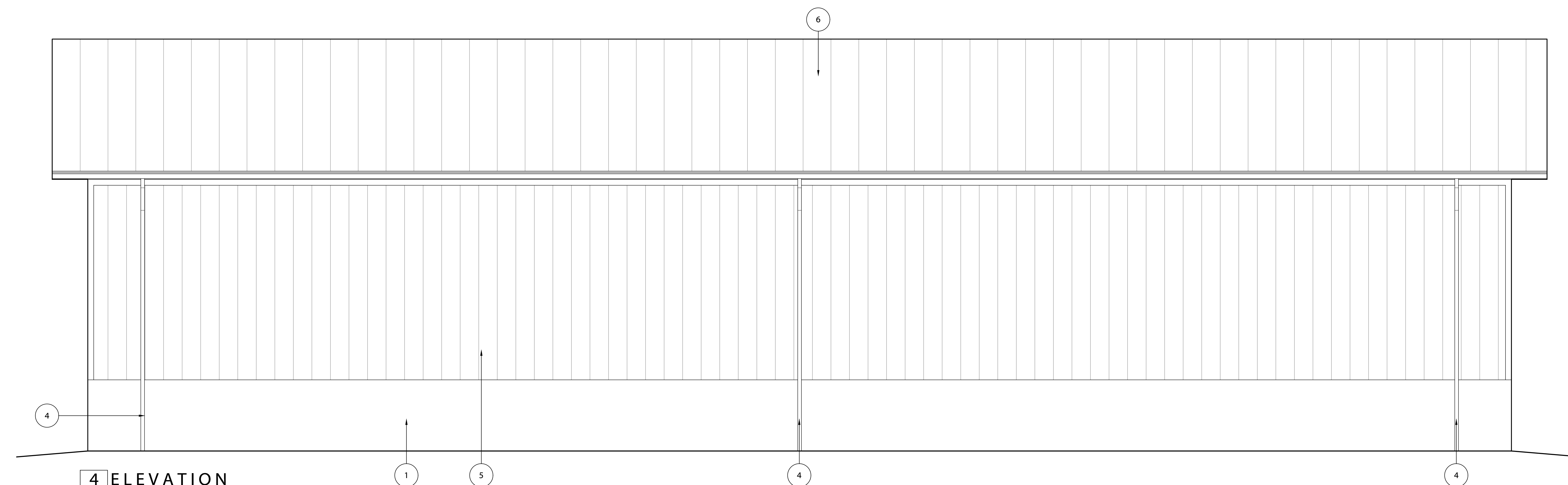
1 ELEVATION
A3.1 SCALE: 3/8" = 1'-0"



2 ELEVATION
A3.1 SCALE: 3/8" = 1'-0"



3 ELEVATION
A3.1 SCALE: 3/8" = 1'-0"



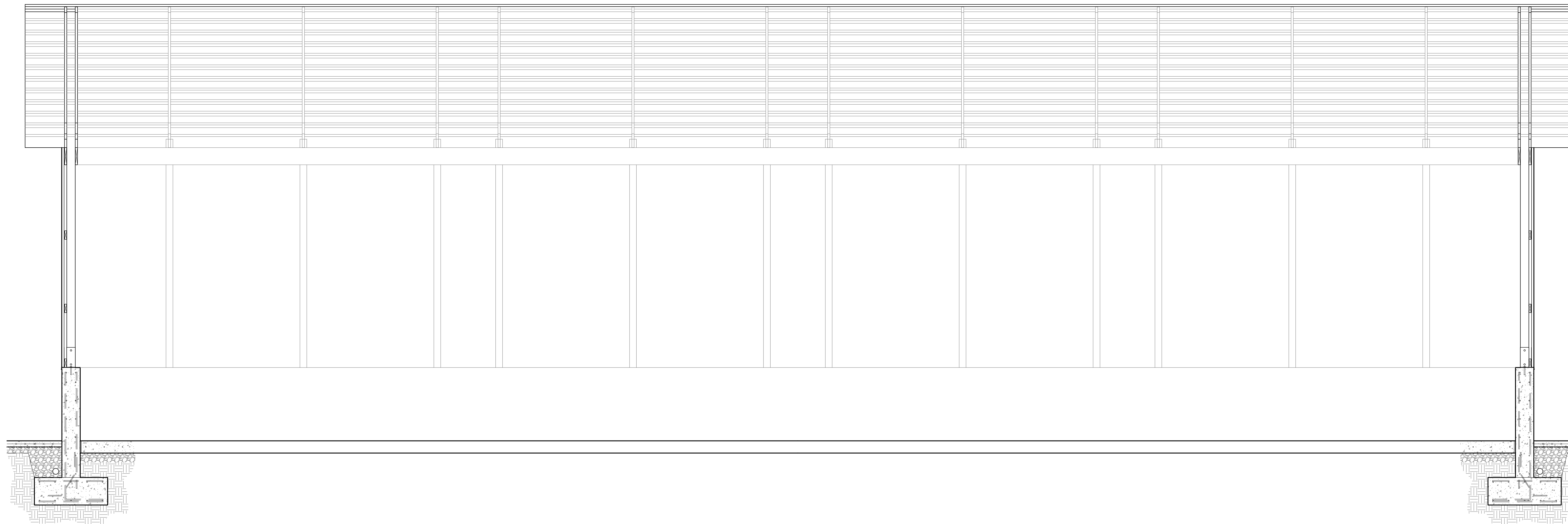
4 ELEVATION
A3.1 SCALE: 3/8" = 1'-0"

GENERAL NOTES

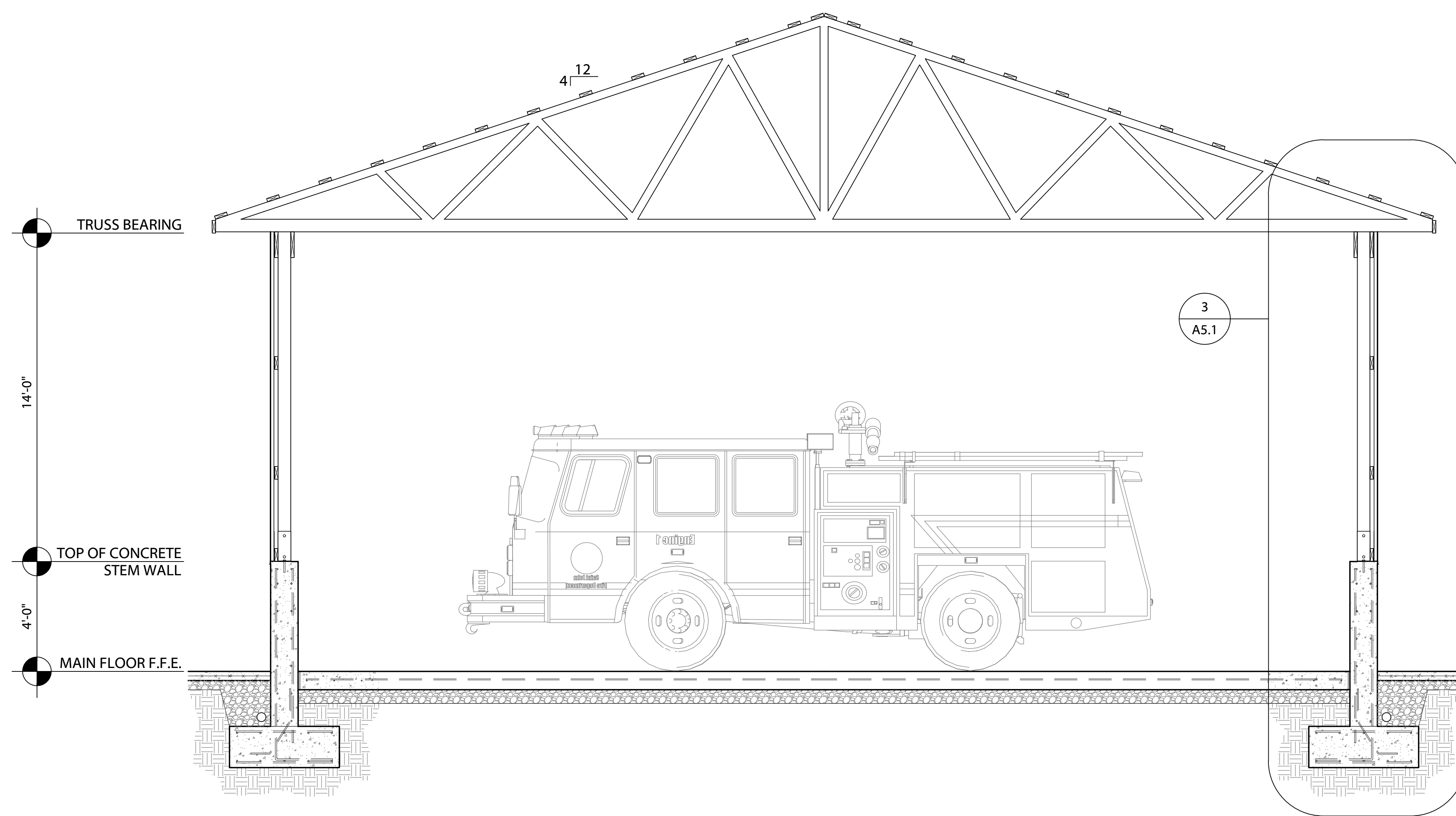
- APPROVED ADDRESS NUMBERS OR LETTERS, EACH CHARACTER SHALL BE A MINIMUM 6 INCHES (152 MM) IN HEIGHT AND MINIMUM STROKE OF 0.5 INCH (12.7 MM) WIDE. THEY SHALL BE INSTALLED ON A CONTRASTING BACKGROUND AND SHALL BE PROVIDED IN SUCH A POSITION AS TO BE CLEARLY VISIBLE AND LEGIBLE FROM THE STREET OR ROADWAY FRONTING THE PROPERTY, WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT, POLE OR OTHER APPROVED SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. COORDINATE WITH OWNER/ARCHITECT.

KEYNOTES TO EXTERIOR ELEVATIONS

- FINISH SMOOTH AND PAINTED EXPOSED CONCRETE STEM WALL.
- 14'-0" W X 14'-0" T INSULATED PREMIUM STEEL REINFORCED OVERHEAD DOOR WITH OPENER.
- 3'-0" X 7'-0" INSULATED STEEL DOOR WITH GLAZING.
- PREFINISHED 6" ALUMINUM DOWNSPOUT/GUTTERS.
- WALL PANEL: NO. 1, 26 GAUGE, PBR PANEL, ZXL LONG LIFE FASTENERS WITH 4" R13 VINYL BACK INSULATION.
- ROOF PANEL: NO. 1, 26 GAUGE, PBR PANEL, ZXL LONG LIFE FASTENERS, WITH 4" R13 VINYL BACK INSULATION.



1 SCHEMATIC BUILDING SECTION
 A5.1 SCALE: 3/8" = 1'-0"



2 SCHEMATIC BUILDING SECTION
 A5.1 SCALE: 3/8" = 1'-0"

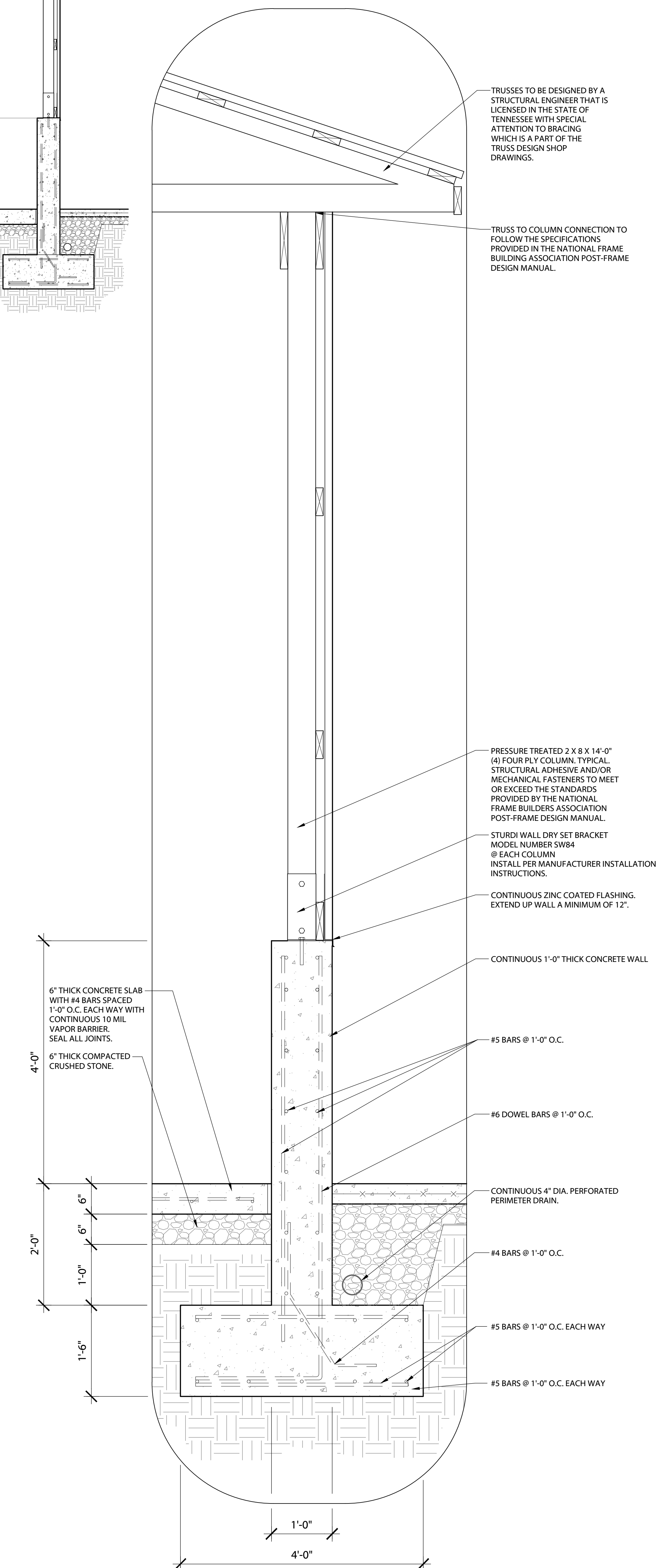
GENERAL NOTES

1. IT IS RECOMMENDED THAT THE OWNER HAVE A GEOTECHNICAL INVESTIGATION PERFORMED.
2. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR APPLICABILITY OF THE REPORT DATA.
3. DESIGN ALLOWABLE SOIL BEARING PRESSURES ARE 2,100 PSF FOR CONTINUOUS (WALL) FOOTINGS.
4. FOOTINGS SHALL BE NEATLY EXCAVATED WHERE POSSIBLE WITH SIDES AND TOP EDGES FREE OF LOOSE OR WET MATERIALS. WHERE NEAT EXCAVATION IS NOT POSSIBLE, FOOTING EXCAVATION SHALL BE OPEN CUT WITH EDGES FORMED AND BRACED. ANY FOOTINGS WITH FORMED EDGES SHALL BE BACKFILLED FROM BOTTOM TO TOP WITH APPROVED FILL MATERIAL.
5. THE BOTTOM OF THE EXCAVATION SHALL BE CLEAN AND DRY AND HAVE ALL LOOSE MATERIAL REMOVED FROM AN ESSENTIALLY FLAT BEARING SURFACE.
6. EXCAVATIONS SHALL NOT BE LEFT OPEN OVERNIGHT UNLESS PROPERLY PROTECTED FROM WEATHER. OPEN EXCAVATIONS EXPOSED TO WEATHER OVERNIGHT WILL BE REJECTED BY THE DESIGNER AND IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO CORRECT, AT THEIR OWN EXPENSE.
7. WHERE SOFT OR UNSUITABLE BEARING SOILS ARE ENCOUNTERED, THE AREA SHALL BE UNDERCUT AS REQUIRED AND REPLACED WITH APPROVED ENGINEERED FILL, AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
8. REINFORCEMENT
 - A. BOTTOM REINFORCING MATS SHALL BE SUPPORTED OFF SLAB BOLSTERS DESIGNED FOR SOIL SUPPORTED SLABS. SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 48" CENTERS, EACH WAY, UNLESS NOTED OTHERWISE. DEPTH OF SUPPORTS SHALL PROVIDE 3" CLEAR COVER TO THE REINFORCING STEEL.
 - B. TOP REINFORCING MATS SHALL BE SUPPORTED OFF REBAR STAND-EE SUPPORTS. SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 48" CENTERS, EACH WAY, UNLESS NOTED OTHERWISE. DEPTH OF SUPPORT SHALL PROVIDE 2" CLEAR TOP COVER TO THE REINFORCING STEEL.
 - C. ALL REINFORCING STEEL SHALL BE SECURELY TIED PRIOR TO CONCRETE PLACEMENT.
 - D. ALL REINFORCING BARS SHALL BE CLEAN AND FREE OF DIRT, CONCRETE SPOOLS OR OTHER DEBRIS PRIOR TO CONCRETE PLACEMENT.
9. SLAB ON GRADE
 - A. UNLESS SPECIFIED OTHERWISE, SLAB ON GRADE CONSTRUCTION SHALL FOLLOW THE RECOMMENDATIONS OF ACI 302.1R - GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION.
 - B. AREAS CONTAINING SLAB ON GRADE CONSTRUCTION SHALL BE STRIPPED TO SUFFICIENT DEPTH TO REMOVE ALL VEGETATION, TOPSOIL, ORGANIC MATERIALS OR OTHER UNSUITABLE MATERIALS. MINIMUM DEPTH OF REMOVAL SHALL BE 12".
 - C. SUBGRADE SOILS SHALL BE SCARIFIED TO MINIMUM SIX INCHES DEPTH, PROOF ROLLED AND COMPACTED TO 98% OF STANDARD PROCTOR DENSITY (ASTM D698). ALL UNSUITABLE MATERIAL AND SOFT SPOTS SHALL BE REMOVED AND BACKFILLED WITH APPROVED FILL PLACED IN MAXIMUM 8" LOOSE LIFTS AND COMPACTED TO 98% STANDARD PROCTOR DENSITY. MOISTURE CONTENT OF SUBGRADE SHALL BE +/- 2% OF OPTIMUM. ALLOW THE SUBGRADE TO DRY OR ADD WATER AS REQUIRED TO ATTAIN THE SPECIFIED MOISTURE CONTENT.
 - D. ALL GRADE ADJUSTMENTS FOR SLAB ON GRADE CONSTRUCTION SHALL BE ACCOMPLISHED WITH APPROVED FILL MATERIAL. REFER TO TECHNICAL SPECIFICATIONS.
 - E. PROVIDE VAPOR BARRIER OVER THE FINAL PREPARED SUBGRADE PRIOR TO CONCRETE PLACEMENT.
 - F. NO SLAB ON GRADE CONCRETE SHALL BE POURED AGAINST A FINAL PREPARED SUBGRADE CONTAINING FREE WATER, ICE, FROST, MUD OR OTHER UNSUITABLE MATERIAL.
10. FOR REINFORCING STEEL, REFER TO THE FOLLOWING:
 - A. REFER TO DRAWINGS FOR TYPICAL SLAB REINFORCEMENT REQUIREMENTS.
 - B. ALL WELDED WIRE FABRIC SHALL BE FURNISHED IN FLAT SHEETS. PROVIDE LAPS (ONE CROSS WIRE SPACING + 2") AT SPLICES.
 - C. CONTINUOUS SLAB ON GRADE REINFORCING SHALL BE PROVIDED WITH LAPPED JOINTS OF 36 BAR DIAMETERS (MIN. 12") AT SPICED LOCATIONS.
 - D. ALL REINFORCING STEEL SHALL BE SUPPORTED ON SLAB BOLSTERS, DESIGNED FOR SUPPORT ON SOIL, TO PROVIDE REQUIRED COVER FOR REINFORCING STEEL.
11. CONCRETE
 - A. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE AND SHALL CONFORM TO THE REQUIREMENTS AS SPECIFIED BELOW, UNLESS NOTED OTHERWISE.

SREAD/COLUMN FOOTINGS	4,000 PSI
COLUMN PIERS	4,000 PSI
WALLS	4,000 PSI
SLAB ON GRADE	4,000 PSI (NO FLY ASH)
 - B. ALL COMPRESSIVE STRENGTHS, NOTED ABOVE SHALL MEET MINIMUM SPECIFIED STRENGTH AT 28 DAYS. ALL NORMAL WEIGHT CONCRETE, SUBJECT TO EXPOSURE OF FREEZE/THAW CYCLE, SHALL HAVE AIR ENTRAINMENT OF 5.5% ± 1% BY VOLUME. UNLESS NOTED OTHERWISE, EXTRA REINFORCEMENT SHALL BE PROVIDED AT ALL MISCELLANEOUS WALL AND SLAB OPENINGS. REINFORCEMENT SIZE SHALL MATCH BAR SIZE OF WALL OR SLAB REINFORCEMENT. BARS SHALL BE LOCATED PARALLEL TO EACH OPEN FACE. ADDITIONAL BARS SHALL LOCATED DIAGONALLY AT ALL CORNER OF OPENING REINFORCEMENT. ALL REINFORCING BARS SHALL EXTEND MINIMUM 24" BEYOND THE CONCRETE OPENING.
- REINFORCING STEEL
 - A. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE. DETAILING OF AND BAR SUPPORTS FOR REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CURRENT ACI STANDARDS.
 - REINFORCING STEEL COVERAGE SHALL BE PROVIDED AS INDICATED ON THE DRAWINGS. MINIMUM LAP/DEVELOPMENT LENGTH OF REINFORCING BARS SHALL BE:

#6 BAR AND SMALLER	38 BAR DIAMETERS
#7 BAR AND GREATER	47 BAR DIAMETERS
- B. MINIMUM COVER FOR CONCRETE REINFORCEMENT:

CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 THRU #8 BARS	2"
#5 AND SMALLER BARS	1 1/2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
SLABS AND WALLS	
#14 AND #18 BARS	1 1/2"
#11 AND SMALLER BARS	3/4"
BEAMS AND PIERS	
PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1 1/2"



3 SCHEMATIC WALL SECTION
 A5.1 SCALE: 1" = 1'-0"

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A5.1