

DESIGN LOADS:

BUILDING CODES: 2025 BUILDING CODE OF NEW YORK STATE (BCNYS)
- ASCE 7-16
- NFPA 13

1. TABLE OF LOADS FOR ASSEMBLY STRUCTURES

FLOOR AREAS - 100 P.S.F. (LIVE)
- 10 P.S.F. (DEAD) unless noted otherwise
by calculations.

ROOF AREAS - TOP CHORD - 50 P.S.F. (LIVE)
- 10 P.S.F. (DEAD)
GROUND SNOW LOAD - 51# P.S.F. PER ASCE/SEI 7-22 (https://ascehazardtool.org/) RISK CATEGORY I

- THERMAL FACTOR = 1.1
- SNOW EXPOSURE FACTOR B = 1.0
- IMPORTANCE FACTOR = 1.0
- 43 P.S.F. BALLANCED ROOF SNOW LOAD PER ASCE 7-16 (UNIFORM LOAD ON ENTIRE ROOF)
- 50 P.S.F. UNBALLANCED ROOF SNOW LOAD PER ASCE 7-16 (UNIFORM LOAD ON E1/2 OF ROOF)
- BUILDING SITES AT ELEVATIONS ABOVE 1,000 FT., THE GROUND SNOW LOAD SHALL BE INCREASED BY 2 PSF FOR EVERY 100 FEET ABOVE 1,000 FEET AS PER SECTION 1608.2

WALLS - 115 M.P.H. WIND LOAD
- EXPOSURE CATEGORY B
- IMPORTANCE CATEGORY I

SEISMIC DATA - SEISMIC DESIGN CATEGORY B
- MAPPED SPECTRAL ACCERATION FORSHORT PERIOD: S_s = 0.30
- SITE COEFFICIENT: F_a = 1.55
- SEISMIC USE GROUP: I
- SOIL CLASS: D (ASSUMED)
- STRUCTURAL & SEISMIC RESISTING SYSTEM: SHEAR WALLS
- ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

WEATHERING INDEX = SEVERE

DESIGN CRITERIA

STRUCTURAL STEEL - WF A992 GR.50
IHS - A500 GR.B
PLATES - ASTM A36
NUTS & BOLTS - A325

CONCRETE QUALITY, DESIGN, AND CONTROL

A.) DESIGN OF MIXTURES - CONCRETE DESIGNED IN ACCORDANCE WITH ACI 301 (LATEST EDITION) TO ATTAIN FOLLOWING PROPERTIES OF STRENGTH, SLUMP, AND ENTRAINED AIR CONTENT. WATERPROOFING, AND SUBMITTED TO ARCHITECT FOR APPROVAL. ALL CONCRETE TO BE A MINIMUM 5.5 BAG MIX.

USE	CLASS	28 DAY PSI	AGGAR. SIZE AIR	SLUMP	W/C RATIO
FOOTINGS, WALLS & PIERS	NO.1	3000#	67 5/8-7%	4"	0.50
SLABS ON GRADE	NO.2	3500#	67 5/8-7%	3"	0.45
EXTERIOR CONCRETE	NO.3	4000#	67 5/8-7%	3"	0.45

ALL CONCRETE NOT DEFINITELY SPECIFIED TO BE OF CLASS 2. REINFORCEMENT INSTALLED WHERE AND AS SHOWN.

B.) IF, AT ANY TIME, TESTS FOR JOB CONCRETE, INDICATE FAILURE TO MEET STRENGTH, SLUMP, WATERPROOFING OR AIR CONTENT, THE CONTRACTOR IS REQUIRED TO CHANGE PROPORTIONS TO MEET REQUIREMENTS

C.) BATCHING OF MATERIALS - IN CONFORMANCE TO REQUIREMENTS OF ASTM SPECIFICATIONS C94, WEIGHT-BATCH APPARATUS FOR CONVENTIONAL TYPE MIXERS TO ALSO MEET SAME REQUIREMENTS.

MIXING OF CONCRETES

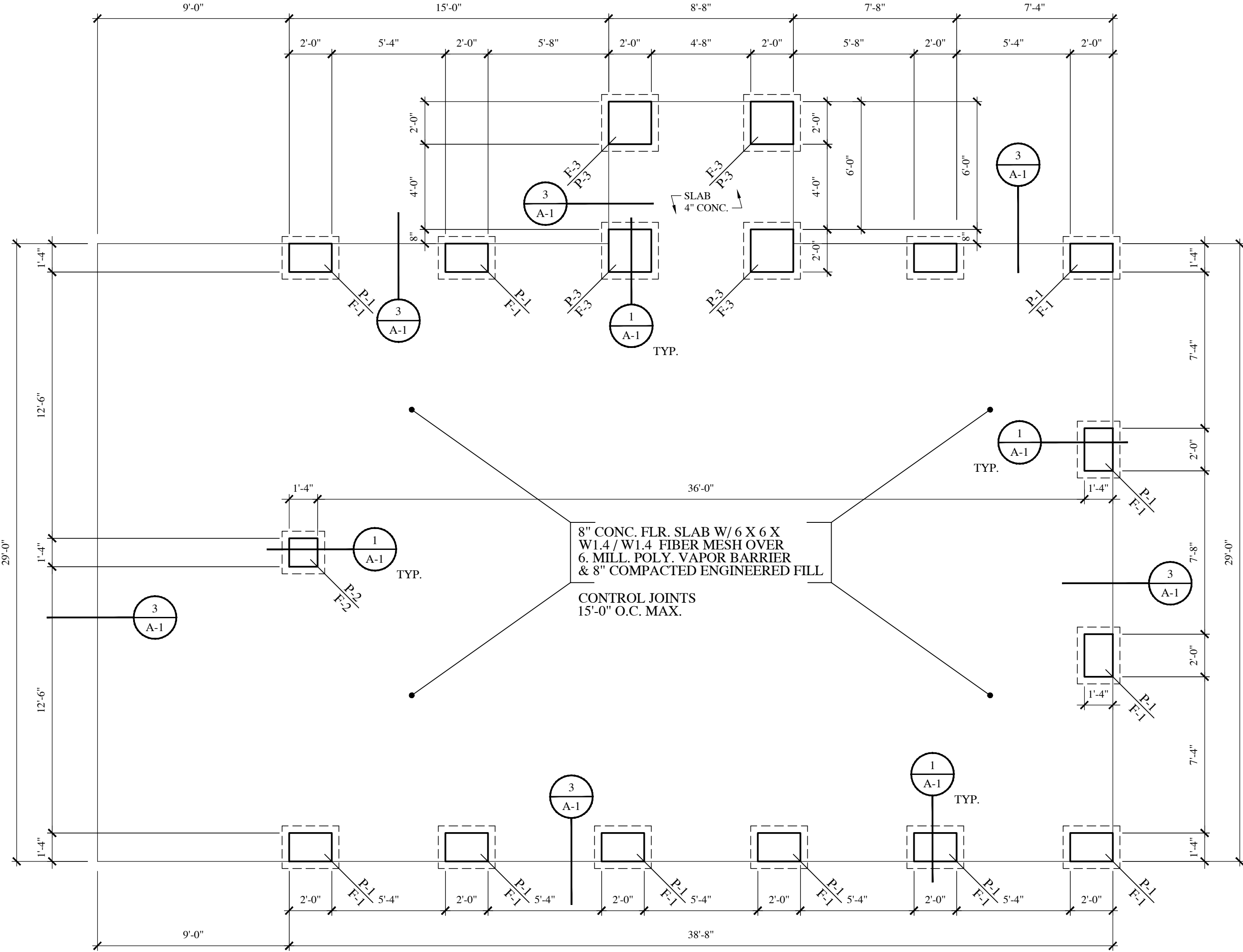
A.) UNLESS OTHERWISE AUTHORIZED, MIXING OF CONCRETE READY-MIX EQUIPMENT CONFORMING TO ASTM SPECIFICATIONS C94, VOLUME OF MIXED MATERIAL FOR EACH BATCH NOT TO EXCEED THE MANUFACTURER'S RATED MIXER CAPACITY.

B.) CONCRETE MIXED UNTIL THERE IS A UNIFORM DISTRIBUTION OF MATERIALS AND DISCHARGED COMPLETELY BEFORE MIXER IS RECHARGED. CONCRETE DELIVERED TO SITE OF WORK AND DISCHARGE COMPLETED WITHIN ONE (1) HOUR FROM THE TIME WATER IS ADDED TO THE MIX, OR BEFORE DRUM HAS REVOLVED 300 REVOLUTIONS, WHICHEVER COMES FIRST.

CONCRETE BEYOND THESE LIMITS SHALL BE REJECTED.

GENERAL NOTES:

- ALL CONSTRUCTION MEETS OR EXCEEDS THE REQUIREMENTS OF THE 2025 BUILDING CODE OF NEW YORK STATE (BCNYS)
- ALL COMPOSITE WOOD BEAMS AND HEADERS TO BE CONSTRUCTED WITH CONTINUOUS MEMBERS WITH NO SPLICES. GLUE ALL CONTACT SURFACES.
- ALL FOOTINGS ROURED ON DRY, FROST FREE, UNDISTURBED VIRGIN SOIL WITH 1500 LB/SF MIN. BEARING CAPACITY.
- ALL POURED CONCRETE TO BE MIN. 5-1/2 BAG MIX WITH MIN. Fc = 3000 PSI @ 28 DAYS
- ALL STRUCTURAL STEEL TO BE A-36 WITH MIN. F_y=24000 PSI, ALL CONNECTIONS AND JOINTS TO DEVELOP 100% CAPACITY OF EACH MEMBER. PROVIDE MIN. 6" BEARING FOR ALL MEMBERS.
- ALL REINFORCING RODS TO BE DEFORMED TYPE "INTERMEDIATE GRADE" WITH MIN. ALLOWABLE TENSILE STRESS OF 20,000 PSI LAP ENDS 24" MIN. INSTALL 2'-6" BENT RODS @ CORNERS.



FOUNDATION PLAN

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

PIER FOOTING SCHEDULE

MARK NO.	W	L	T	REINFORCING @ BOTTOM U.N.O.
F-1	2'-8"	2'-0"	1'-0"	(4)-#5 SW, (3)-#5 LW
F-2	2'-0"	2'-0"	1'-0"	(3)-#5 EW
F-3	2'-8"	2'-8"	1'-4"	(4)-#5 EW

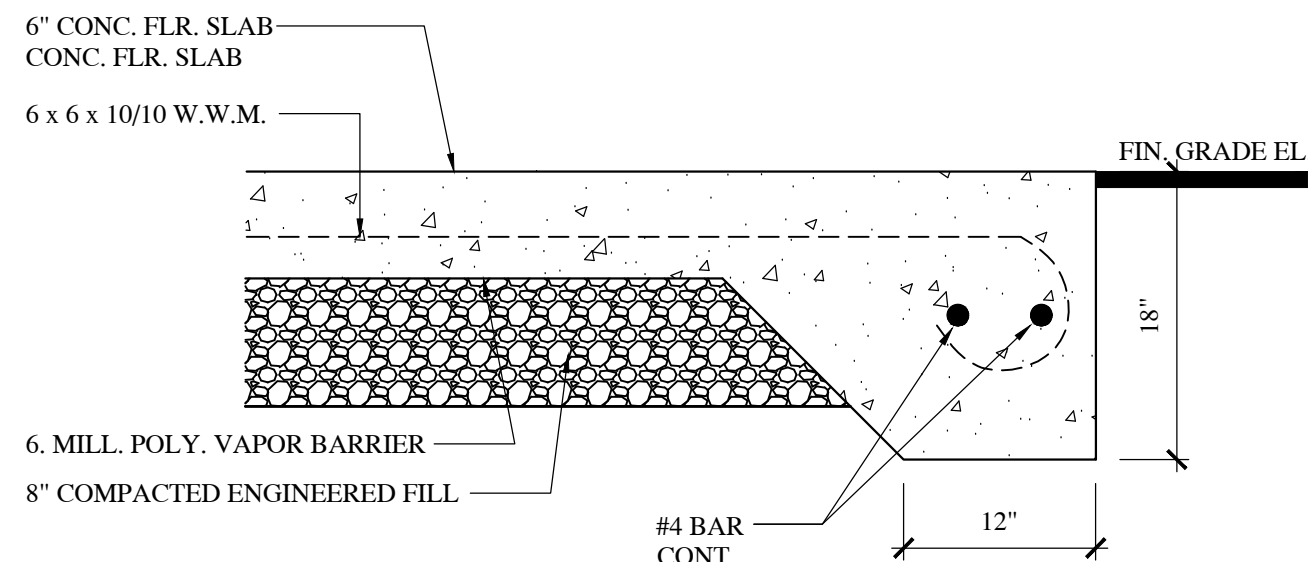
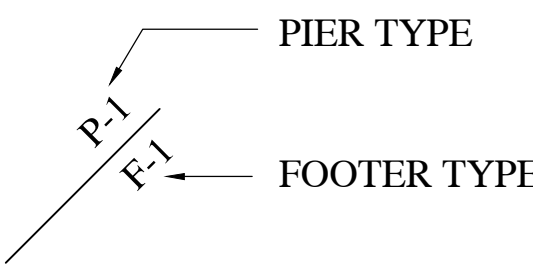
NOTE: FOOTING REINFORCEMENT MIN. COVER = 3" @ BOTTOM & SIDES, 2" @ TOP

PIER SCHEDULE

MARK NO.	SIZE	VERT. REINF.	TIES	SIZE	SPACING
P-1	1'-4" x 2'-0"	6- #5	#4	8"	O/C
P-2	1'-4" x 1'-4"	4- #5	#4	8"	O/C
P-3	2'-0" x 2'-0"	8- #5	#4	8"	O/C

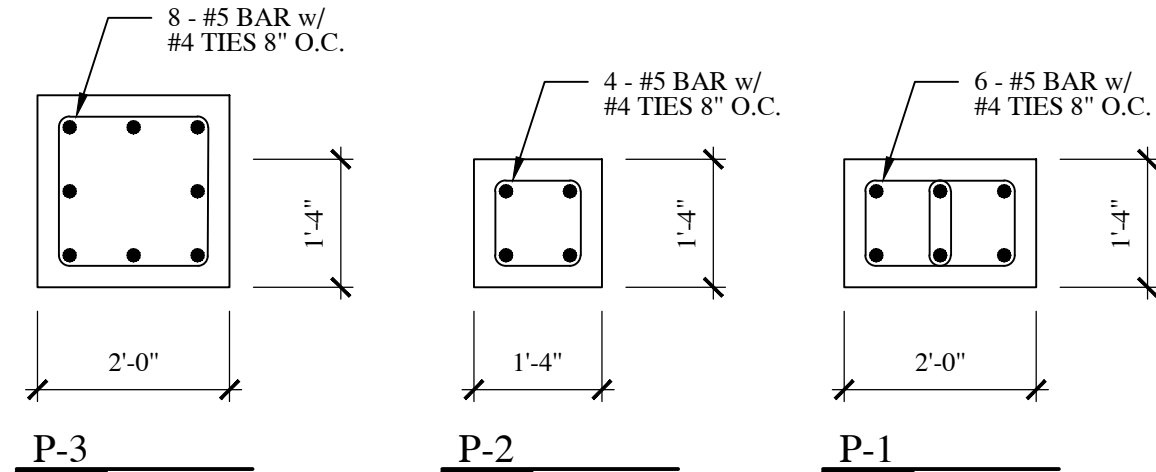
NOTE: PIER REINFORCEMENT MIN. COVER = 1 1/2" TO TIES

LEGEND



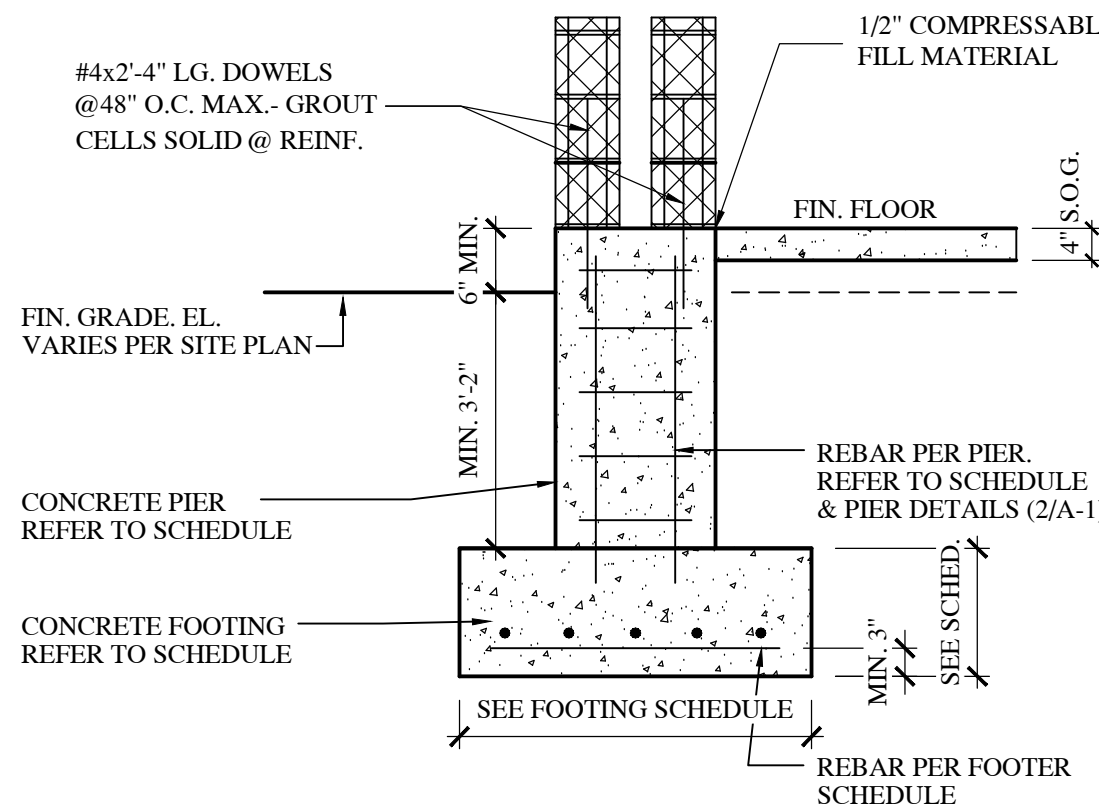
TRASH ROOM SLAB @ HAUNCHED END

1" = 1'-0"



PIER DETAILS

1/2" = 1'-0"



TYP. FOUNDATION PIER

1/2" = 1'-0"

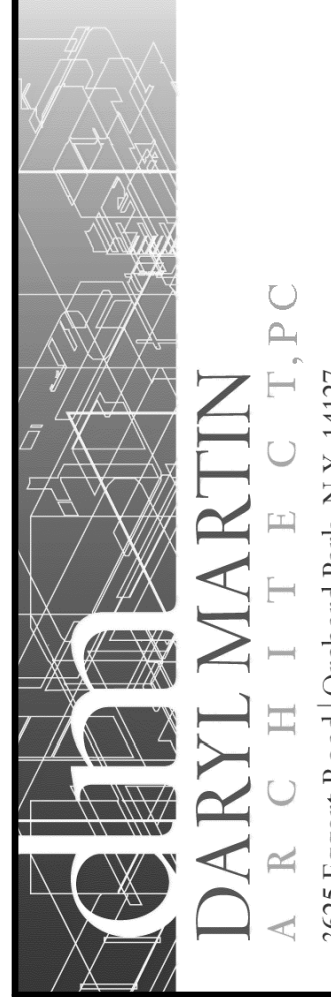
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- ANY UNAUTHORIZED CHANGES FROM THE STAMPED DRAWINGS
- APPLICATION OF DRAWINGS ON THE JOB

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SUB CONTRACTORS ARE REQUIRED TO CHECK ALL DIMENSIONS AND SPECIFICATIONS PRIOR TO START OF WORK AND REPORT ANY DISCREPANCIES.

REVISIONS

PH- (716) 667-1436
dmarchitects@gmail.com



FOUNDATION PLAN & DETAILS

NEW TRASH ENCLOSURE for:

UPTOWN APARTMENTS
2190 WEHRLE DRIVE
AMHERST, NEW YORK

THIS DOCUMENT IS NOT A CONSTRUCTION PERMIT. IT IS THE ARCHITECT'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND TO ENSURE THAT THE PROJECT COMPLIES WITH ALL APPLICABLE REGULATIONS AND CODES. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY VIOLATIONS OF ANY APPLICABLE REGULATIONS AND CODES.

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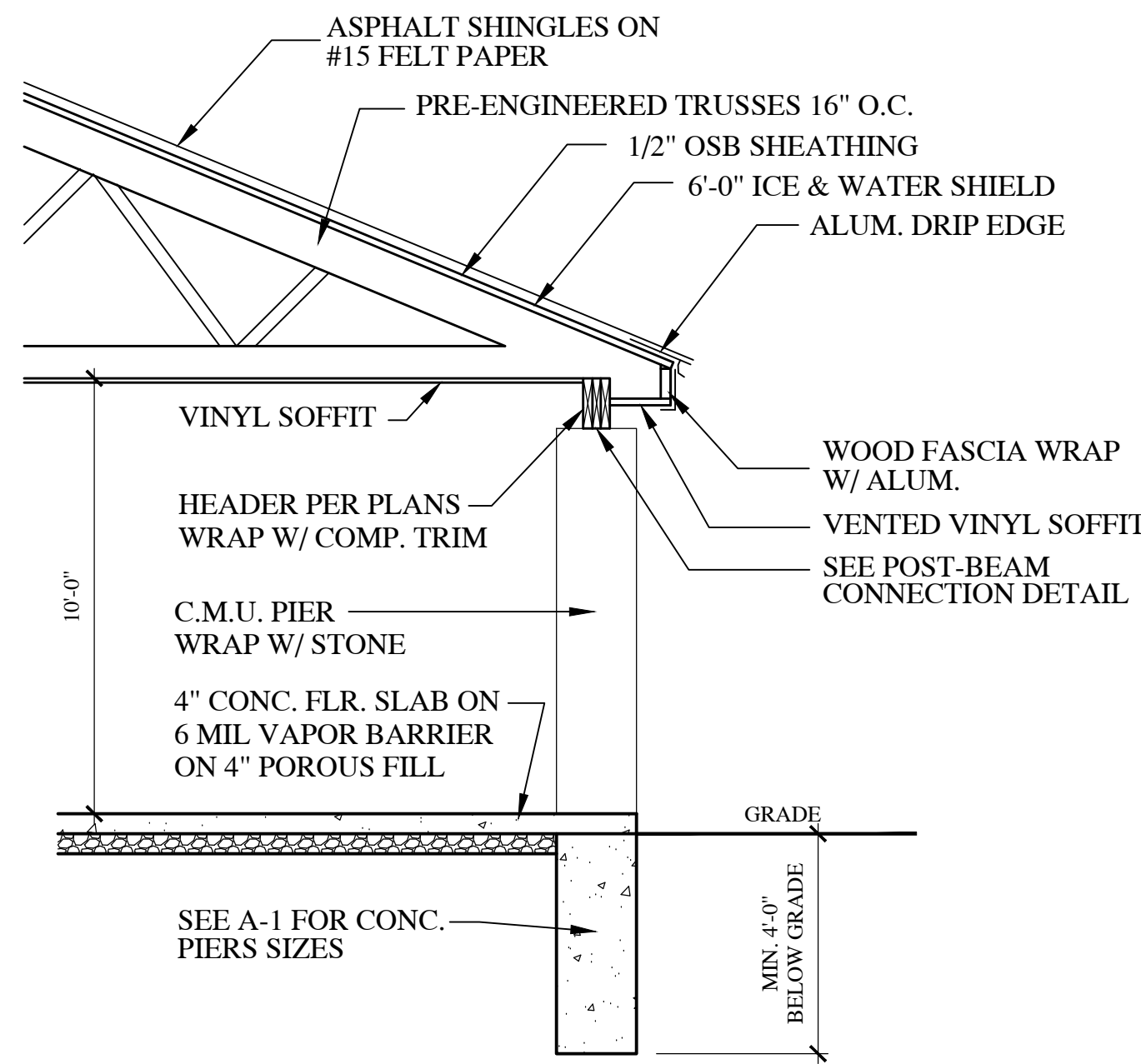
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SHEET NUMBER

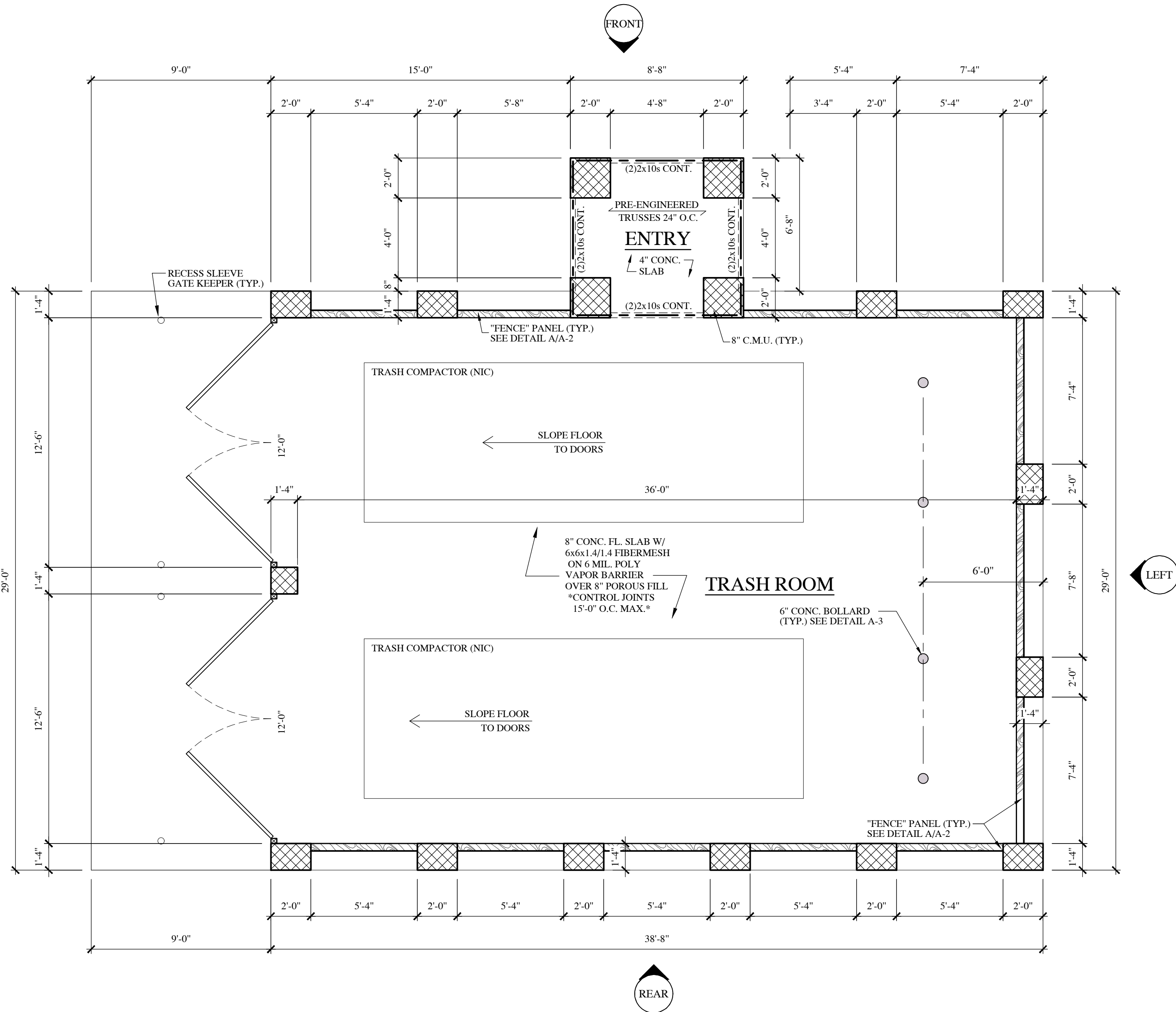
ABBREVIATION INDEX

A.C.	AIR CONDITIONING	H.D.W.D.	HARDWOOD	Q.T.	QUARRY TILE
A.F.F.	ABOVE FINISH FLOOR	HDR.	HEADER	QTY.	QUANTITY
ALUM.	ALUMINUM	HD	HUB DRAIN	RAD.	RADIUS
ALT.	ALTERNATE	H.M.	HOLLOW METAL	REF.	REFRIGERATOR
A.C.T.	ACOUSTICAL CEILING TILE	HORIZ.	HORIZONTAL	REINF.	REINFORCING
A.P.C.	ACOUSTICAL PANEL CEILING	HGT.	HEIGHT	REV.	REVISION
APPROX.	APPROXIMATE	ITT.		REQ'D	REQUIRED
BD.	BOARD	I.D.	INSIDE DIAMETER	RESIL.	RESILIENT
BLDG.	BUILDING	INSUL.	INSULATION	RM.	ROOM
BSMT.	BASEMENT	INT.	INTERIOR	R.O.	ROUGH OPENING
BTWN.	BETWEEN	JT.	JOINT	SCHED.	SCHEDULE
BOT.	BOTTOM	KIT.	KITCHEN	SEC.	SECTION
B.O.	BOTTOM OF	LAM.	LAMINATE	S.F.	SQUARE FOOT
q	CENTER LINE	LAV.	LAVATORY	SHT.	SHEET
C.T.	CERAMIC TILE	L.T.	LIGHT	SIM.	SIMILAR
CLG.	CEILING	MAS.	MASONRY	SPEC.	SPECIFICATION
CLG.		M.O.	MASONRY OPENING	SQ.	SQUARE
CLOS.	CLOSET	M.E.	MATCH EXISTING	S.S.	STAINLESS STEEL
CL.		MAX.	MAXIMUM	STD.	STANDARD
CMU	CONC. MASONRY UNIT	MECH.	MECHANICAL	STL.	STEEL
COL.	COLUMN	MTL.	METAL	STRUCT.	STRUCTURAL
COMBO.	COMBINATION	MFR.	MANUFACTURER	SUSP.	SUSPENDED
CONC.	CONCRETE	MIN.	MINIMUM	T.B.D.	TO BE DETERMINED
CONT.	CONTINUOUS	MISC.	MISCELLANEOUS	TEL.	TELEPHONE
CONST.	CONSTRUCTION	MTD.	MOUNTED	THK.	THICK
DEPT.	DEPARTMENT	N.I.C.	NOT IN CONTRACT	THRU	THROUGH
DTL.	DETAIL	NL.	NIGHT LIGHT	T.O.P.	TOP OF PLATE
D.F.	DRINKING FOUNTAIN	NO.	NUMBER	T.O.S.	TOP OF STEEL
DIA.	DIAMETER	NOM.	NOMINAL	T.O.SL.	TOP OF SLAB
DIM.	DIMENSION	N.T.S.	NOT TO SCALE	T.O.W.	TOP OF WALL
DN	DOWN	O.C.	ON CENTER	TRT.	TREATED
DS	DOWN SPOUT	O.D.	OUTSIDE DIAMETER	TYP.	TYPICAL
DWG.	DRAWING	OPNG.	OPENING	U.O.N.	UNLESS OTHERWISE NOTED
EA	EACH	OPT.	OPTIONAL	V.C.B.	VINYL COMPOSITION BASE
E.F.	EXHAUST FAN	O.S.B.	ORIENTED STRAND BOARD	V.C.T.	VINYL COMPOSITION TILE
ELEV.	ELEVATION	PL.	PLATE	VERT.	VERTICAL
ELEC.	ELECTRICAL	P.LAM.	PLASTIC LAMINATE	V.I.F.	VERIFY IN FIELD
EQ	EQUAL	PLUMB.	PLUMBING	V.W.C.	VINYL WALL COVERING
EQUIP.	EQUIPMENT	PLWD.	PLYWOOD	W/	WITH
EXIST.	EXISTING	PR.	PAIR	W.C.	WATER CLOSET
EXT.	EXTERIOR	PROP.	PROPERTY	WD.	WOOD
FD	FLOOR DRAIN	PROV'D	PROVIDED	W/O	WITHOUT
FIN.	FINISH	P.S.F.	POUNDS PER SQUARE FOOT	WP.	WATERPROOFING
FL.	FLOOR	P.S.I.	POUNDS PER SQUARE INCH	WT.	WEIGHT
FLR		PTD.	PAINTED	W.W.M.	WELDED WIRE MESH
FT.	FOOT	P.V.C.	POLY VINYL CHLORIDE		
FURN.	FURNITURE				
GA.	GAUGE				
GALV.	GALVANIZED				
GYP. BD.	GYPSUM BOARD				



SECTION THRU ENTRY

SCALE: NOT TO SCALE

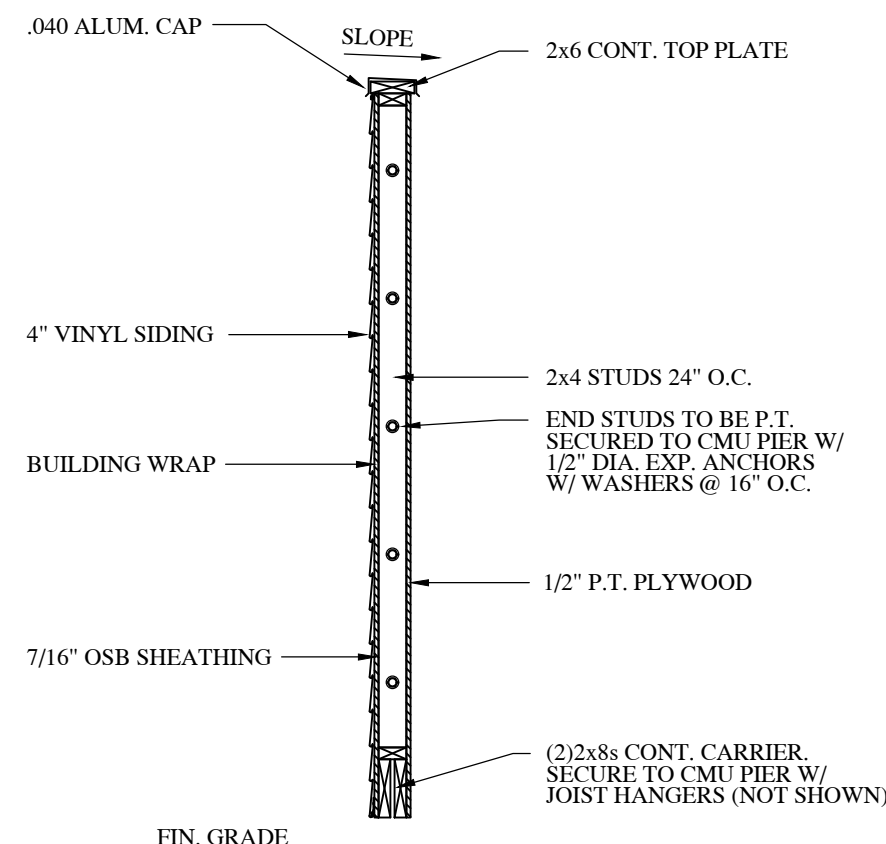


FLOOR PLAN

SCALE: 1/4\"/>

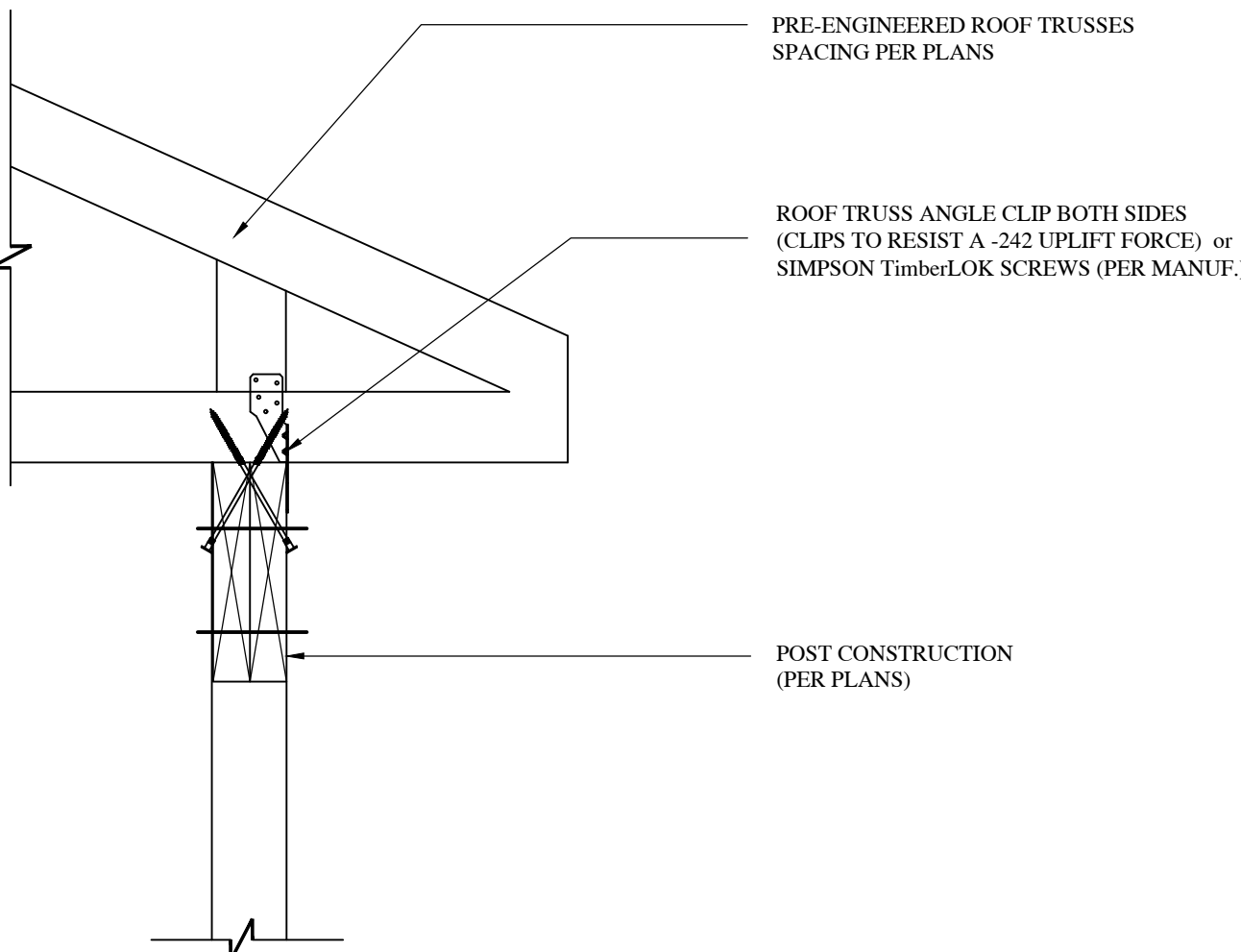
PROJECT NOTES:

- ALL CONSTRUCTION MEETS OR EXCEEDS THE 2025 BCNYS (BUILDING CODE OF NEW YORK STATE)
- THE FOUNDATION HAS BEEN DESIGNED TO A 1,500lbs BEARING CAPACITY AS PER SOIL SURVEY OF ERIE COUNTY & websoilsurvey.sc.egov.usda.gov
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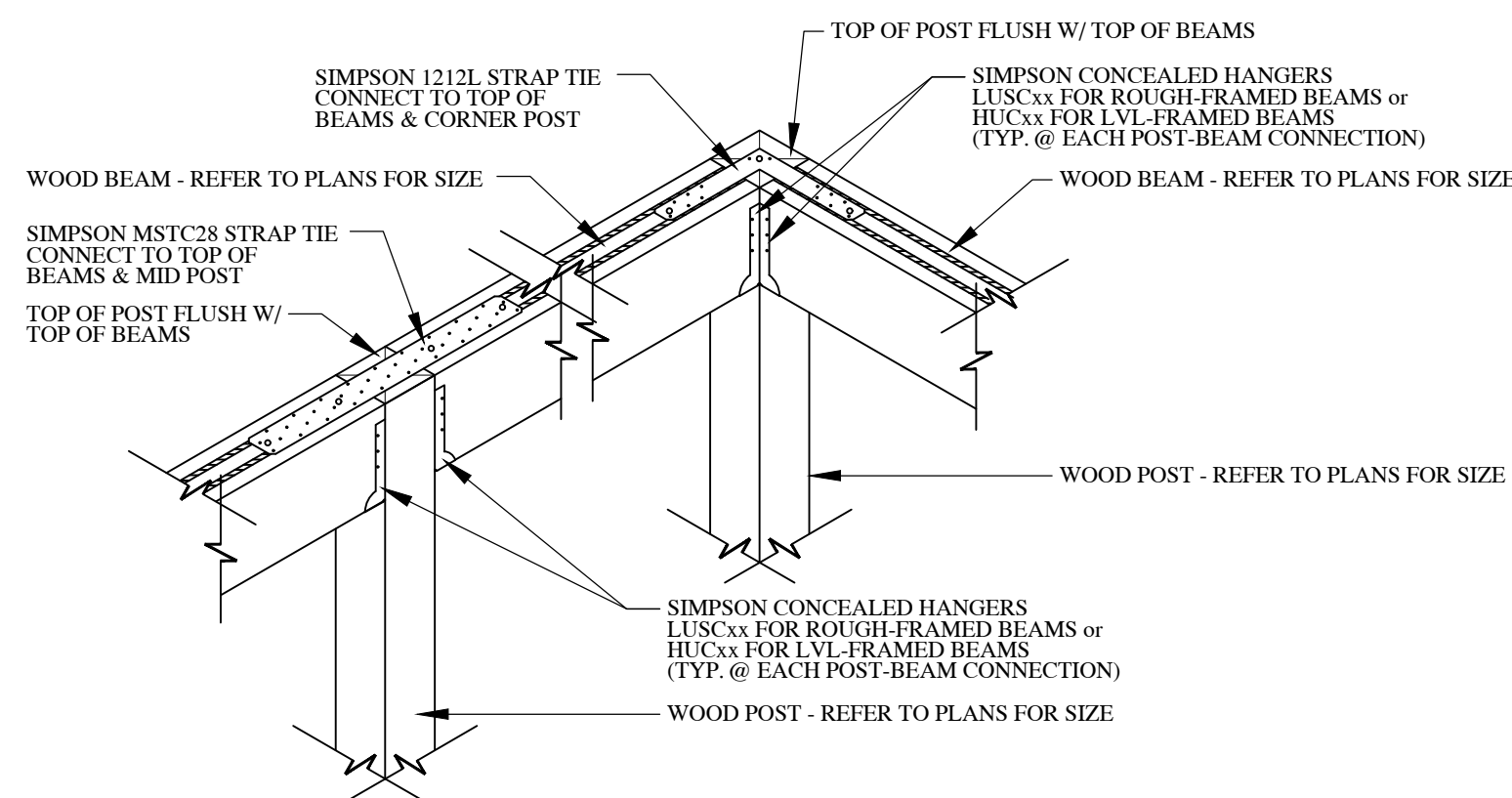
VINYL "FENCE" PANEL DETAIL

SCALE: 1/2\"/>



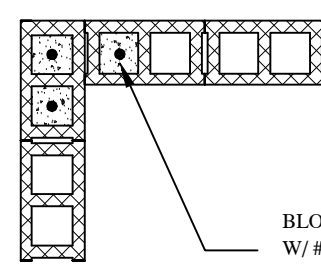
TRUSS CLIP DETAIL

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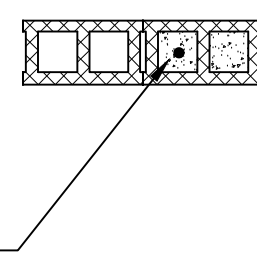


POST-BEAM CONNECTIONS

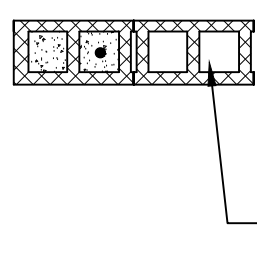
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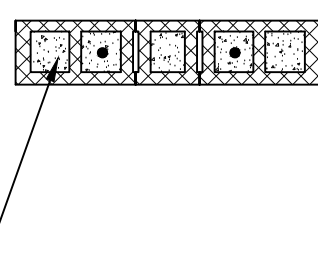
CORNER DETAIL



MASONRY OPENING DETAIL



PIER DETAIL



WALL INTERSECTION

NOTE:
STRAIGHT RUNS OF MASONRY WALLS TO BE REINFORCED W/ #4 BARS, FULL HEIGHT (MAX. 6'-0\"/>

MASONRY WALL REINFORCING

SCALE: 1/2\"/>

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FLOOR PLAN & DETAILS

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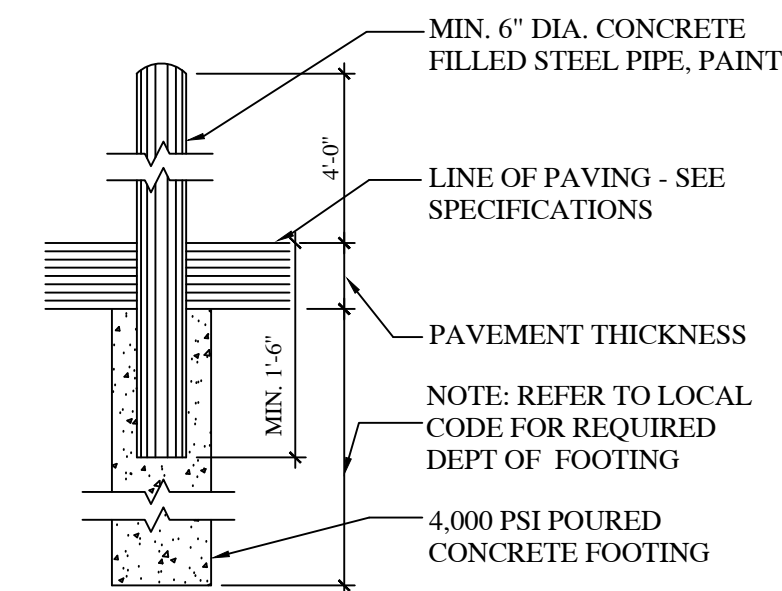
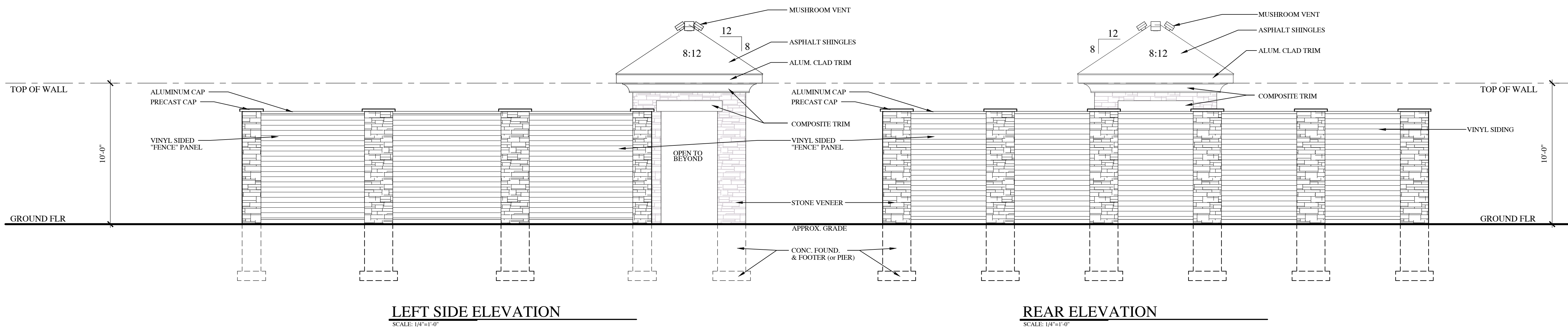
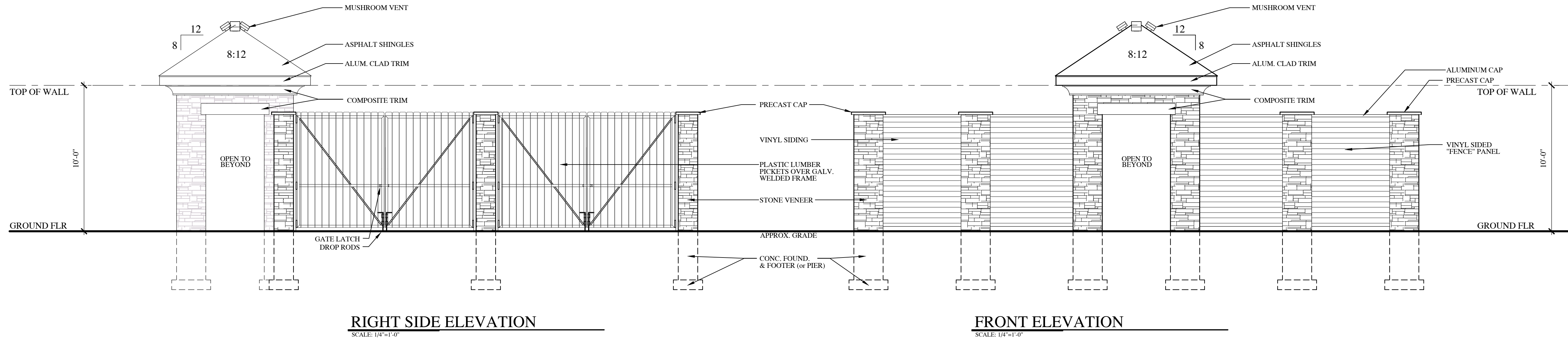
A-2

SHEET NUMBER

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*SEE FLOOR PLAN
FOR LOCATIONS

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ELEVATIONS
NEW TRASH ENCLOSURE for:
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AMHERST, NEW YORK

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A-3
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