HANDICAP RAMPS
for
VICKI WARD

969 NW LAKE CITY AVE
LAKE CITY, FL 32055

DESIGN CRITERIA & GENERAL NOTES

ABBREVIATIONS.

#	Pound OR Number
&	And
@	At
ACT	Acoustic Ceiling Tile
AD	Area Drain
AFF	Above Finished Floor
ALUM	Aluminum
ANOD	Anodized
BFE	Base Flood Elevation
BSMT	Basement
BYND	Beyond
BOT	Bottom
CIP	Cast In Place
CHNL	Channel
CJ	Control Joint
CLG	Ceiling
CLR	Clear
CMU	Concrete Masonry Unit
COL	Column
COMPR	Compressible
CONC	Concrete
CONT	Continuous
CPT	Carpet
CT	Ceramic Tile
CTYD	Courtyard
DBL	Double
DEMO	Demolish or Demolition
DIA	Diameter
DIM	Dimension
DIMS	Dimensions
DN	Down
DR	Door
DWG	Drawing
EA	Each
EJ	Expansion Joint
EL	Elevation
ELEC	Electrical
ELEV	Elevator or Elevation
EPDM	Ethylene Propylene Diene M-Class (Roofing)
EQ	Equal
EXIST	Existing
EXPJT	Expansion Joint
EXT	Exterior
FD	Floor Drain or Fire Department
FEC	Fire Extinguisher Cabinet
FIXT	Fixture
FLR	Floor
FM	Filled Metal
FO	Face Of
FND	Foundation
GA	Gauge
GALV	Galvanized
GWB	Gypsum Wall Board
HC	Hollow Core
HI	High
HM	Hollow Metal
HP	High Point
HR	Hour
HVAC	Heating, Ventilating, And Air Conditioning
IRGWB	Impact Resistant Gypsum Wall Board
ILO	In Lieu Of
INSUL	Insulated or Insulation
INT	Interior
LO	Low
MAX	Maximum
MO	Masonry Opening
MECH	Mechanical
MEMBR	Membrane
MIN	Minimum
MRGWB	Moisture-Resistant Gypsum Wall Board
MTL	Metal
NIC	Not In Contract
NTS	Not To Scale
NO	Number
NOM	Nominal
OC	On Center
OH	Opposite Hand
OZ	Ounce
PCC	Pre-Cast Concrete
PLUMB	Plumbing
PLYD	Plywood
PT	Pressure Treated
PNT	Paint or Painted
PVC	Polyvinyl Chloride
RBR	Rubber
RCP	Reflected Ceiling Plan
RD	Roof Drain
REQD	Required
RM	Room
SIM	Similar
SPEC	Specified OR Specification
SPK	Sprinkler or Speaker
SSTL	Stainless Steel
STC	Sound Transmission Coefficient
STL	Steel
STRUCT	Structure or Structural
T&G	Tongue And Groove
TELE	Telephone
TLT	Toilet
TO	Top Of
TOC	Top Of Concrete
TOS	Top Of Steel
TPD	Toilet Paper Dispenser
T/D	Telephone/Data
TYP	Typical
UNO	Unless Noted Otherwise
U/S	Underside
VIF	Verify In Field
VP	Vision Panel
W/	With
WD	Wood

140 MPH , EXPOSURE (B)

GENERAL NOTES

1. The design for this structure has been reviewed for compliance with the windload provisions of Chapter 16, Florida Building Code, Building, 2020 Seventh Edition and ASCE 7-16 using the following criteria:

   ULTIMATE DESIGN WIND SPEED = 140 mph
   NOMINAL DESIGN WIND SPEED = 108 mph
   BUILDING RISK CATEGORY = II
   EXPOSURE CATEGORY = B (all directions)
   INTERNAL PRESSURE COEFFICIENT:
   ±0.18 FOR ENCLOSED STRUCTURES
   ±0.55 FOR PARTIALLY ENCLOSED STRUCTURES
   ±0.0 FOR OPEN STRUCTURES

2. Components and cladding wind pressures in pounds per square foot (PSF) to be used for design of exterior component and cladding materials shall be in compliance with ASCE 7-16 Chapter 30 as follows:

GABLE ROOF 20 - 27 DEGREES

EFFECTIVE AREA	Zone 1	Zone 2e	Zone 2n	Zone 2r	Zone 3e	Zone 3r
A: 0 ≤ 10	+21.4/-50.2	+21.4/-50.2	+21.4/-80.1	+21.4/-80.1	+21.4/-103.2	+21.4/-103.2
B: 11 ≤ 20	+19.3/-50.2	+19.3/-50.2	+19.3/-70.1	+20.2/-22.0	+20.2/-26.4	+19.3/-84.2
C: 21 ≤ 50	+16.5/-42.6	+16.5/-57.0	+16.5/-57.0	+16.5/-50.7	+16.5/-57.0	+16.5/-59.2
D: 51 ≤ 100	+14.3/-36.9	+14.3/-36.9	+14.3/-47.1	+14.3/-47.1	+14.3/-47.1	+14.3/-59.2

HIP ROOF 20 - 27 DEGREES

EFFECTIVE AREA	Zone 1	Zone 2e	Zone 2r	Zone 3
A: 0 ≤ 10	+12.1/-21.7	+12.1/-30.0	+12.1/-30.0	+12.1/-30.0
B: 11 ≤ 20	+10.5/-19.3	+10.5/-26.8	+10.5/-26.8	+10.5/-26.8
C: 21 ≤ 50	+8.3/-16.1	+8.3/-22.6	+8.3/-22.6	+8.3/-22.6
D: 51 ≤ 100	+6.6/-13.5	+6.6/-19.4	+6.6/-19.4	+6.6/-19.4

WALL

EFFECTIVE AREA	Zone 4	Zone 5
A: 0 ≤ 10	+35.3/-38.2	+35.3/-47.2
B: 11 ≤ 20	+33.7/-36.7	+33.7/-44.0
C: 21 ≤ 50	+31.6/-34.6	+31.6/-39.8
D: 51 ≤ 100	+30.0/-33.0	+30.0/-36.7

3. All work and materials shall conform to the requirements of the Florida Building Code, Building, 2020 Seventh Edition.
4. All exterior walls between openings are designed as and should be considered shearwalls.
5. Design loads used in the analysis are as follows:

LIVE LOADS	DEAD LOADS
ROOFS = 20PSF	ROOFS = 17 PSF
FLOORS = 40 PSF	FLOORS = 10 PSF
GARAGE FLOOR = 50 PSF	
BALCONIES = 60 PSF	
PORCHES, LOFTS, DECKS = 40 PSF	

6. Concrete foundations shall comply with the requirements of Chapter 18, FBCB, subsurface Geotechnical information has not been provided to the engineer. Therefore, foundations and footings are designed for the following assumed soil bearing conditions: Loose granular material with no appreciable clay or organic material with a minimum allowable bearing pressure of 2000 PSF per FBCB Table 1806.2. Compact fill to 95% modified proctor.
7. Masonry construction shall conform to requirements of Chapter 21, FBCB. Net area compressive strength of masonry is 1500 PSI. Type M or S Mortar shall be used. All masonry should be laid in running bond pattern with head joints in successive courses offset by not less than one-fourth the unit length. Thickness of bed joints shall not exceed 5/8". Glass unit masonry shall be constructed in accordance with Section 2110 FBCB.
8. Grout used to fill cells, lintels and bond beams shall conform to requirements of ASTM C476 and Chapter 21 FBCB. Required minimum compressive strength is 2000 PSI at 28 days UNO.
9. Concrete shall conform to requirements of Chapter 19, FBCB, and have a minimum compressive strength of 3000 PSI at 28 days UNO.
10. Reinforcing bars shall be Grade 40 or 60 minimum in foundations, masonry foundation walls, and CMU walls UNO. Reinforcing bars shall be deformed billet steel bars and comply with ASTM A 615 requirements. Joint reinforcing if used, shall be 9 Gage, galvanized steel conforming to ASTM A82 requirements. Welded wire fabric shall conform to ASTM A 185 requirements. Wire fabric shall be supported as required in Section 1907 FBCB. Synthetic fiber reinforcement shall conform to requirements of Section 1907, FBCB.
11. Wood roof and wall sheathing shall be APA-Rated panels. Wall sheathing fasteners shall be 8D common or galvanized boxnails with spacing along panel edges 6" O.C. with intermediate fasteners at 12" O.C. UNO. Roof sheathing fasteners shall be 8D ring shank nails without exception with spacing 6" O.C. within "A" distance of eves, hips, ridges, gable ends, lookout blocks, outlookers and intermediate field spacing at 6" O.C. UNO. Thickness of all wood panels to be noted on the drawings.
12. Wood studs and girder support posts used for bearing wall framing shall be HEM-Fir, S-P-F or S-Y-P #2 Grade or better. All posts under girders shall have a minimum of one stud per girder ply. Wall openings shall be constructed in accordance with Ch. 23 FBCB, UNO. Wood beams, headers, rafters and other horizontal load bearing elements shall be S-Y-P #2 Grade or better.
13. Fastening of wood framing shall conform to Table 2304.10.1 FBCB, unless noted otherwise.
14. Design of prefabricated wood trusses in floors and roofs is delegated to the truss manufacturer's design intent of the project. The contractor is responsible for installing all temporary and permanent truss bracing required by the manufacturer in addition to any supplemental bracing shown on the drawings. Installation of prefabricated wood trusses shall follow the recommendations of the manufacturer.
15. Wood construction connectors shown on the drawings represent the designer's intent to furnish a complete load path from roof to foundation. The contractor is responsible for furnishing and installing the specified connector a substitute connector with documented equivalent capacity.
16. Deviations from these drawings are the responsibility of the contractor and owner. Modifications of structural details shall be submitted to the engineer for approval prior to approval of the engineer are at the contractor's and owner's risk.

FACILITY DESCRIPTION

BUILDING LOCATION - 969 NW LAKE CITY AVE, LAKE CITY, FL
LAND USE - RESIDENTIAL GROUP R-3
BUILDING CONSTRUCTION TYPE - VB - FBC, BUILDING 2020, 7th Ed.

OCCUPANCY LOAD

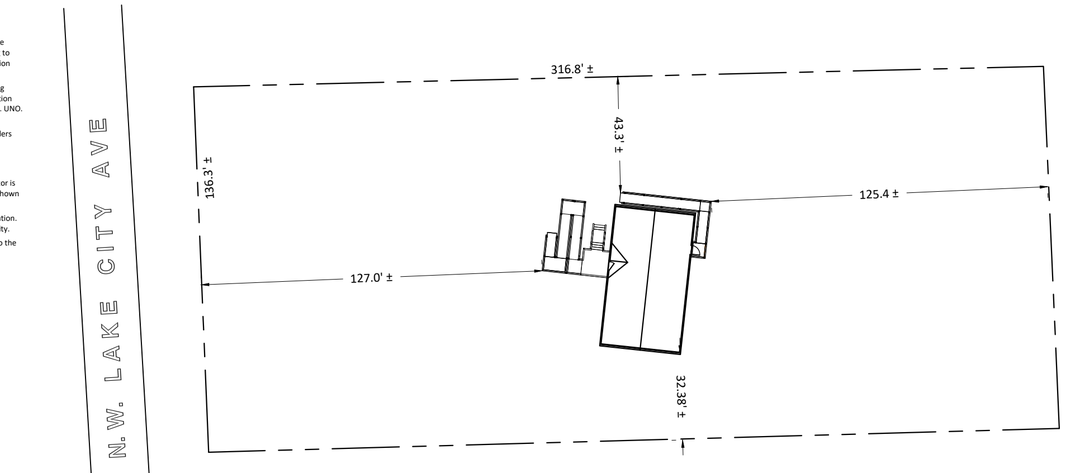
OCCUPANCY CLASSIFICATION: RESIDENTIAL GROUP R-3 :
Not more than two dwelling units

APPLICABLE FLORIDA BUILDING CODE REFERENCE:
FBC - BUILDING, 2020 7th Edition
FBC - RESIDENTIAL, 2020 7th Edition
FBC - PLUMBING, 2020 7th Edition
FBC - MECHANICAL, 2020 7th Edition
FBC - ACCESSIBILITY, 2020 7th Edition
FBC - ENERGY EFFICIENCY, 2020 7th Edition
NFPA 70 NEC - 2017 Edition

PAGE LEGEND

SITE PLAN NOTES:

1. This site plan is not intended to locate any underground foundations, underground encroachments or underground improvements including utilities, but ONLY to provide location of scope of work.



1/1 SITE PLAN
SCALE: 1"=40'-0"

0 40' 80'

NOTE: SITE PLAN DIMENSION ARE INTERPOLATED FROM G.I.S. MAP

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(352)476 1937

SEAL

THOMAS H. WILLIFORD

NOTES TO CONTRACTOR:
1. Plans are designed to comply with the 2020 Florida Building Code, 7th Edition, ASCE 7-16. (140 mph Ultimate wind speed, 108 mph Nominal wind speed).
2. Contractor is responsible for verifying all aspects of these plans prior to start of construction.

PROJECT INFORMATION:
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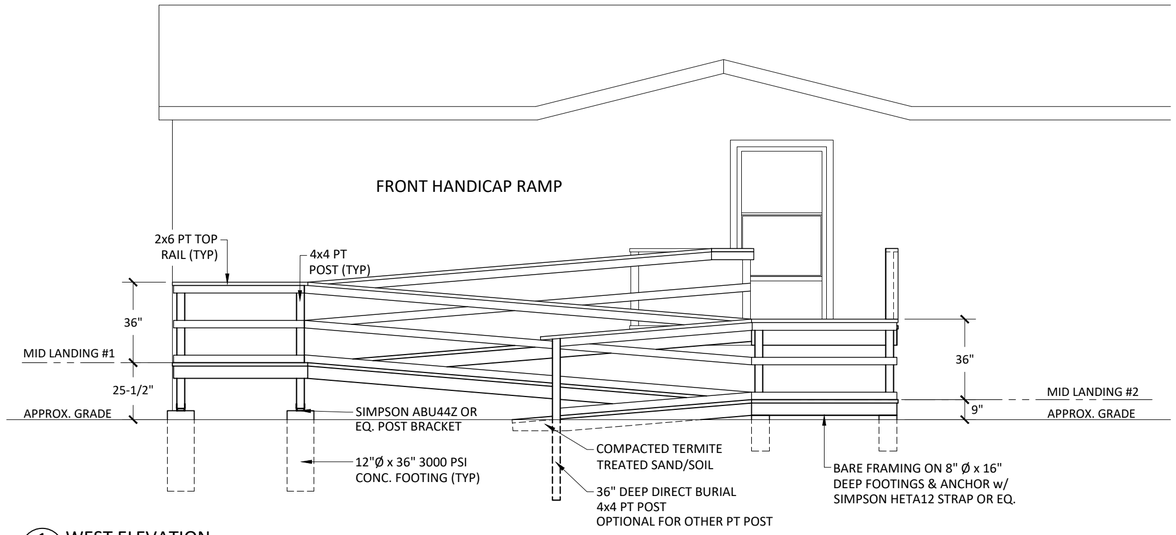
Drawn By: D. Meston
(712)520-1302
Homosassa, FL 34446

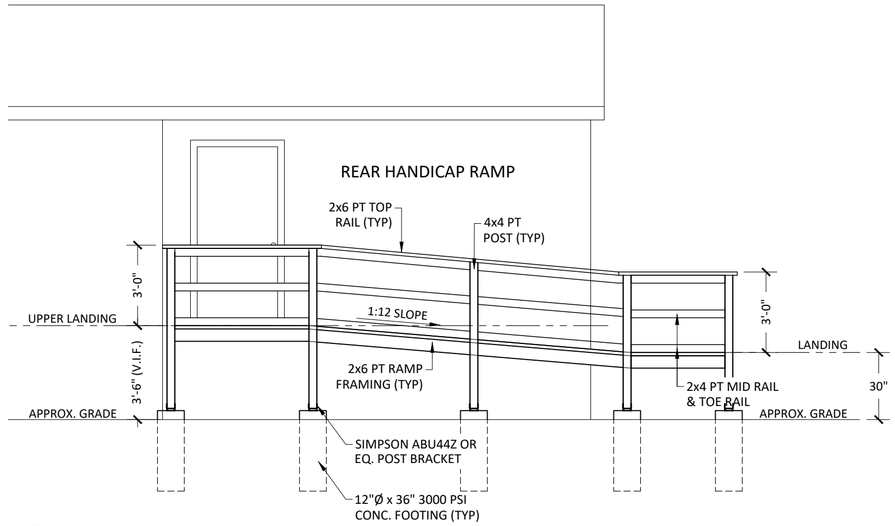
Dwgs. Date: 2020-01-05

Revision Date:

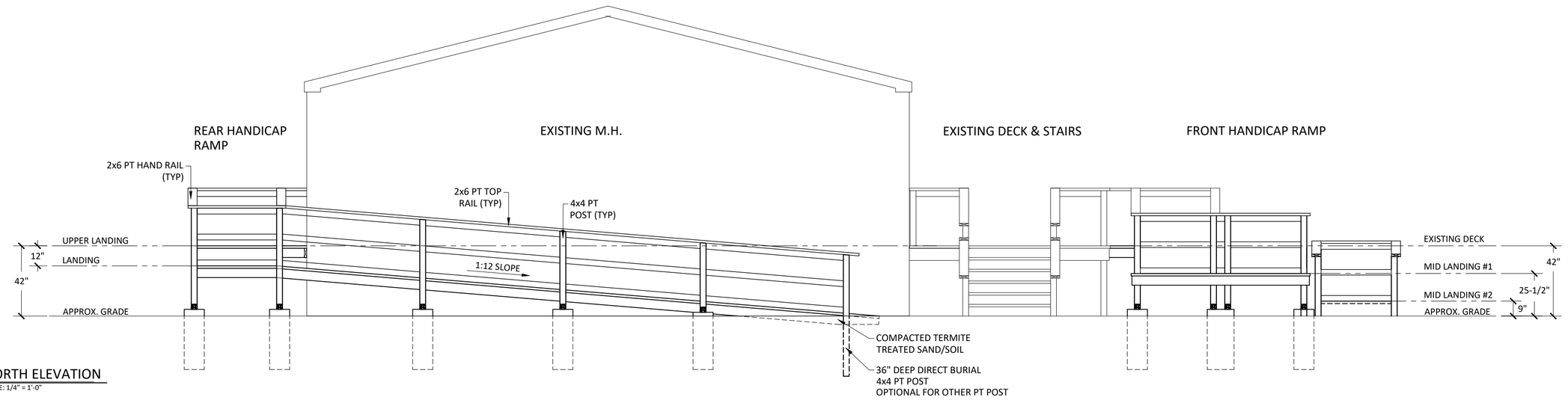
SHEET: 1 of 3



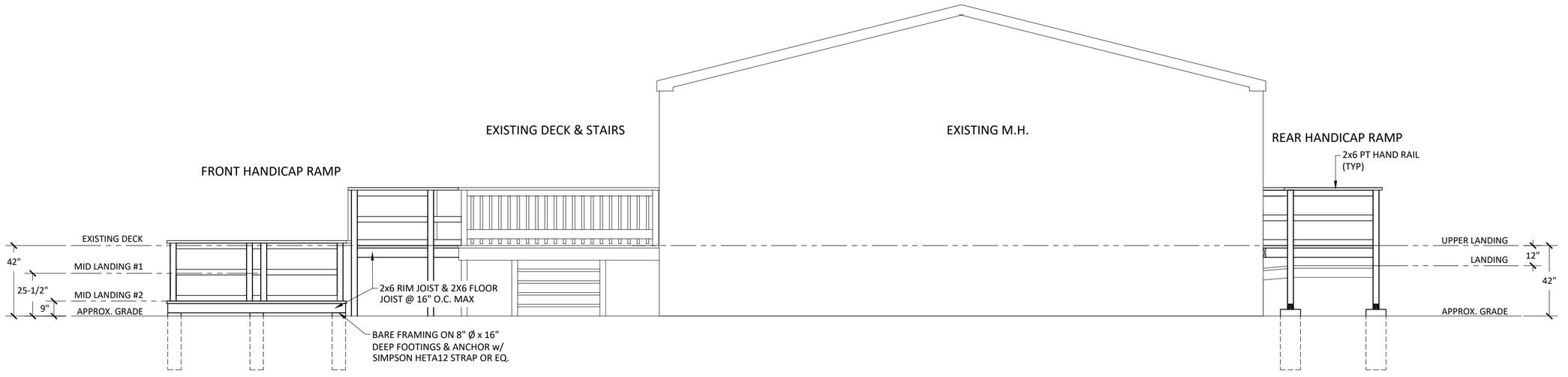
1/2 WEST ELEVATION
SCALE: 1/4" = 1'-0"



2/2 EAST ELEVATION
SCALE: 1/4" = 1'-0"



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



4/2 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

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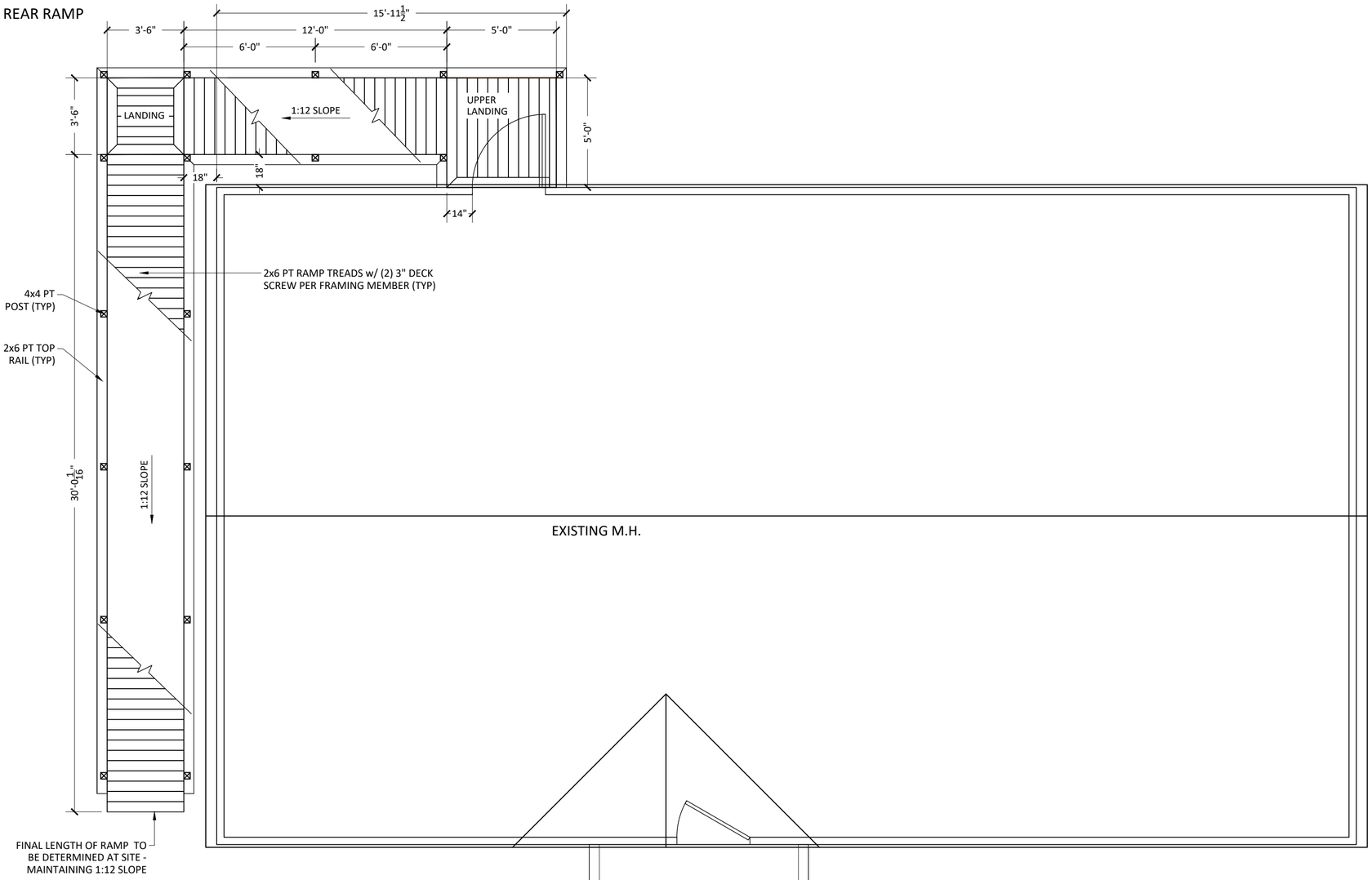
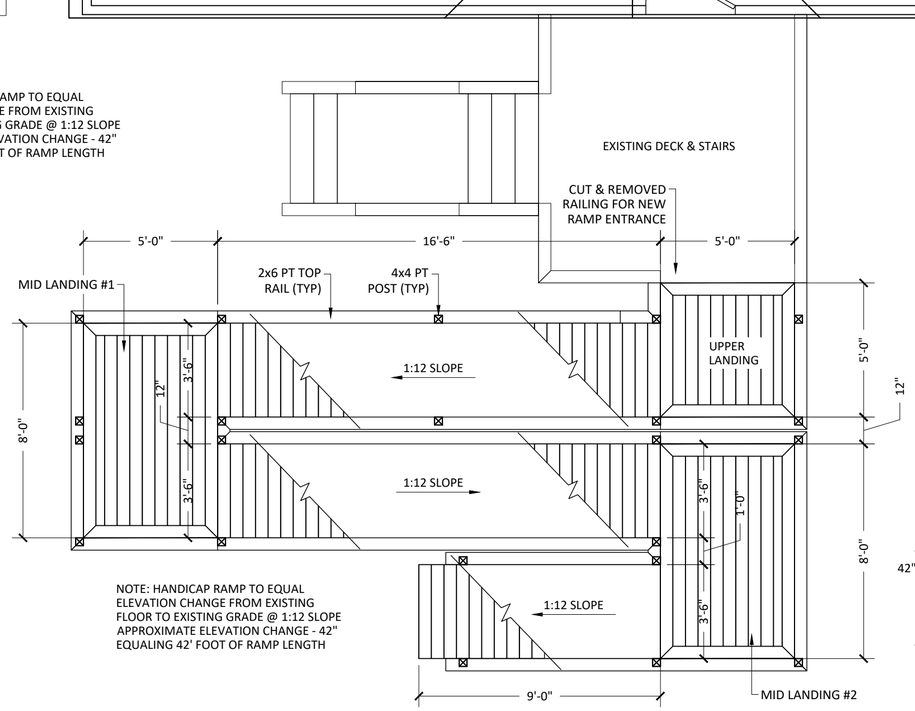
REAR RAMP



NOTE: HANDICAP RAMP TO EQUAL ELEVATION CHANGE FROM EXISTING FLOOR TO EXISTING GRADE @ 1:12 SLOPE APPROXIMATE ELEVATION CHANGE - 42" EQUALING 42' FOOT OF RAMP LENGTH



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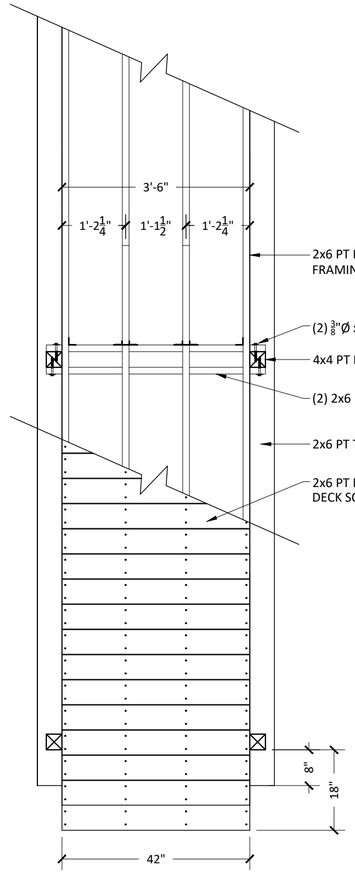
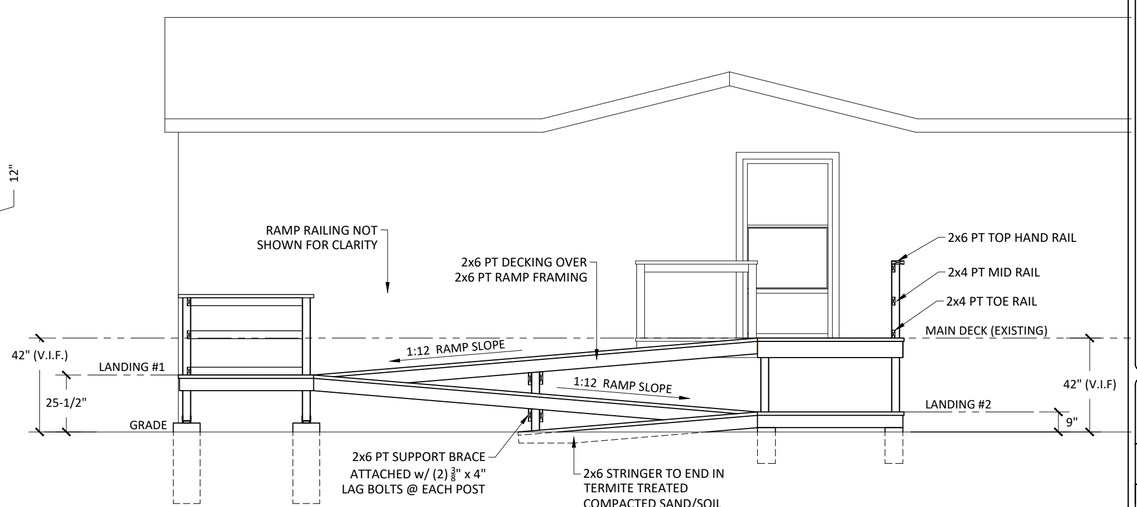
FRONT RAMP

2/3 HANDICAP DECK PLAN
SCALE: 1/4" = 1'-0"



1/3 TYPICAL RAM CONSTRUCTION
SCALE: 1/4" = 1'-0"



3/3 FRONT DECK ELEVATION w/o RAILING
SCALE: 1/4" = 1'-0"

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