

HANDICAP RAMPS
for
VICKI WARD

969 NW LAKE CITY AVE
LAKE CITY, FL 32055

DESIGN CRITERIA & GENERAL NOTES

FACILITY DESCRIPTION

PAGE LEGEND

ABBREVIATIONS.

Pound OR Number
& And
@ At
ACT Acoustic Ceiling Tile
AD Area Drain
ALUM Aluminum
ANOD Anodized
AFF Above Finished Floor
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 30 - 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

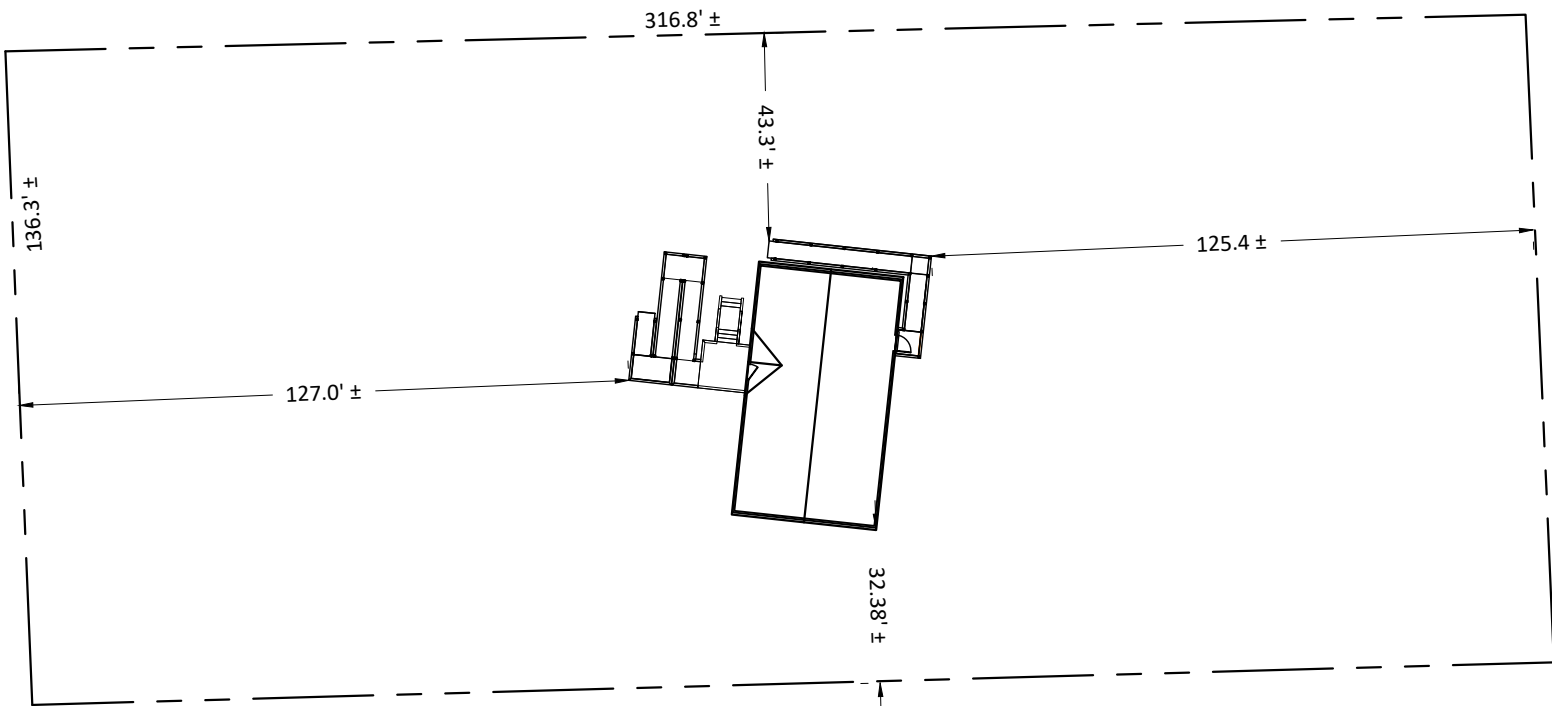
WALL		
EFFECTIVE AREA	Zone 4	Zone 5
A: 0 ≤ 10	+35.3/-38.2	+35.3/-47.2
B: 11 ≤ 20	+33.7/-36.7	+33.7/-44.0
C: 21 ≤ 50	+31.6/-34.6	+31.6/-39.8
D: 51 ≤ 100	+30.0/-33.0	+30.0/-36.7

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 Gauge, 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 "X" distance of eaves, 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.

N. W. LAKE CITY AVE



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



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

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.



ARCHITECT:

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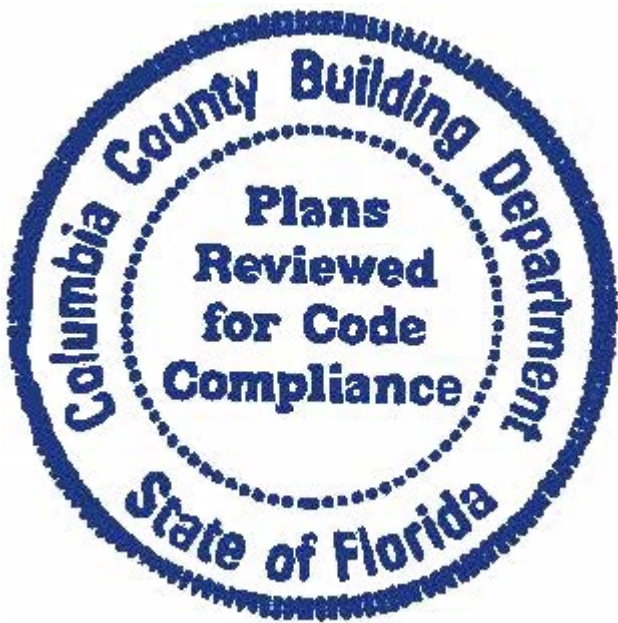
SEAL

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.

1. COVER SHEET, SITE PLAN
2. ELEVATIONS
3. RAMP PLAN, DECK SECTION



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

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PROJECT INFORMATION:

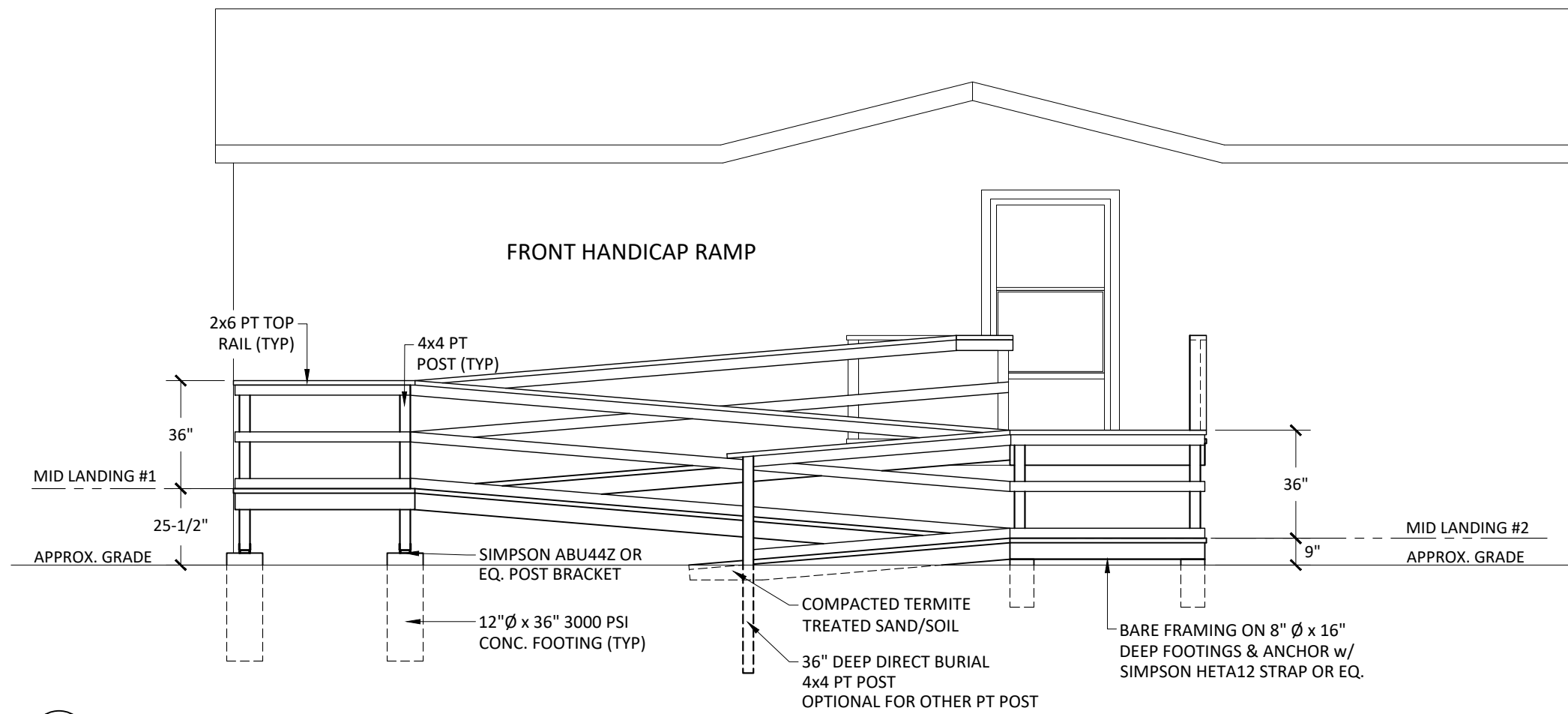
Drawn By: D. Meston
(712)520-1302
Homosassa, FL 34446

Dwgs. Date: 2020-01-05

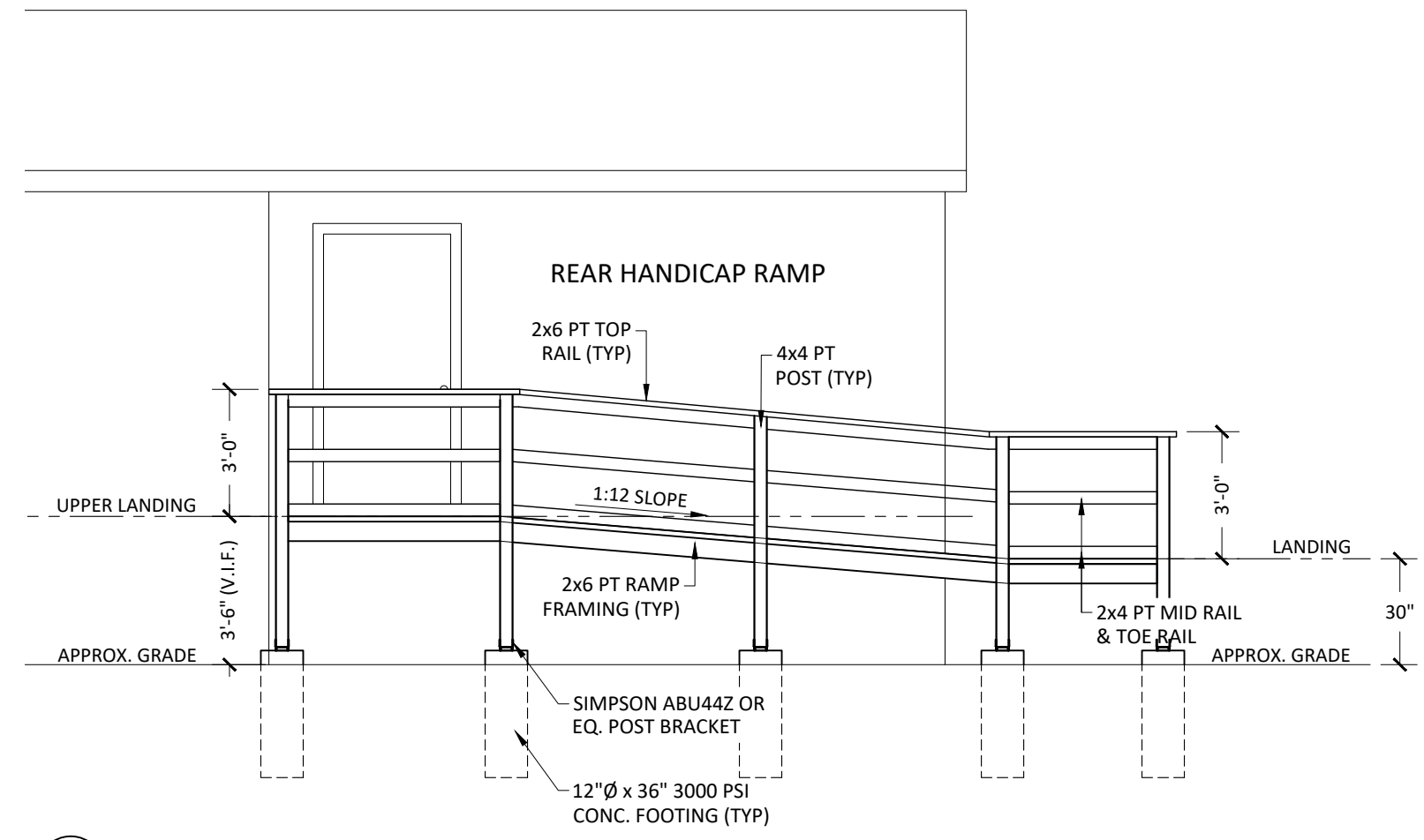
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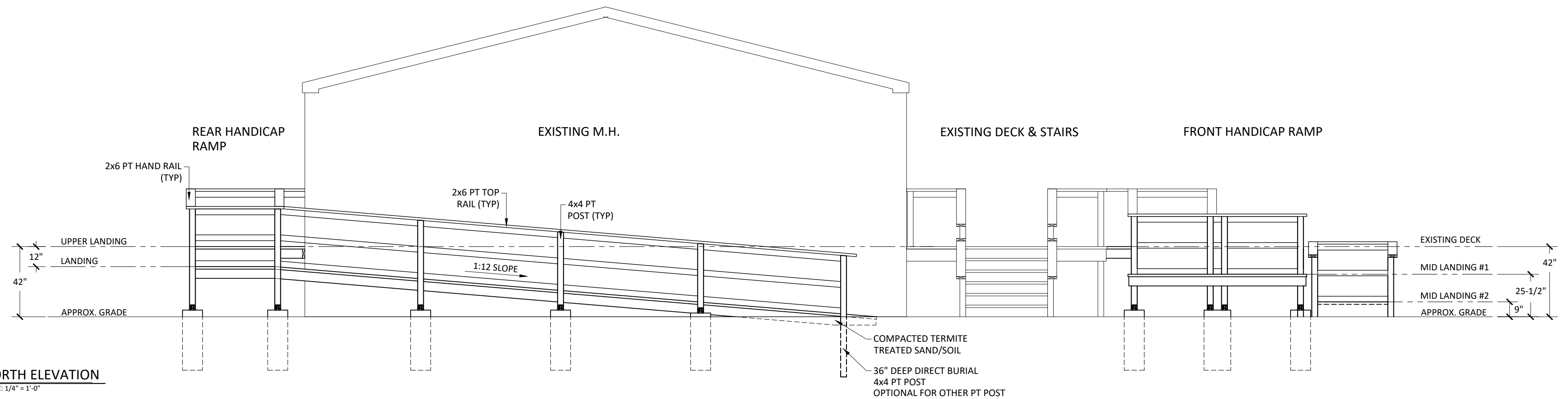
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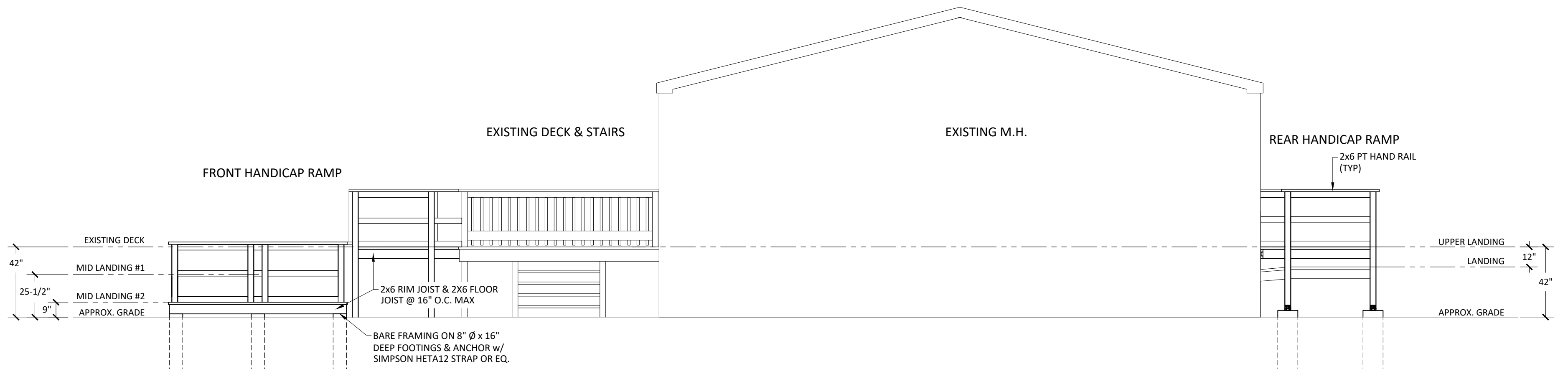
1 WEST ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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

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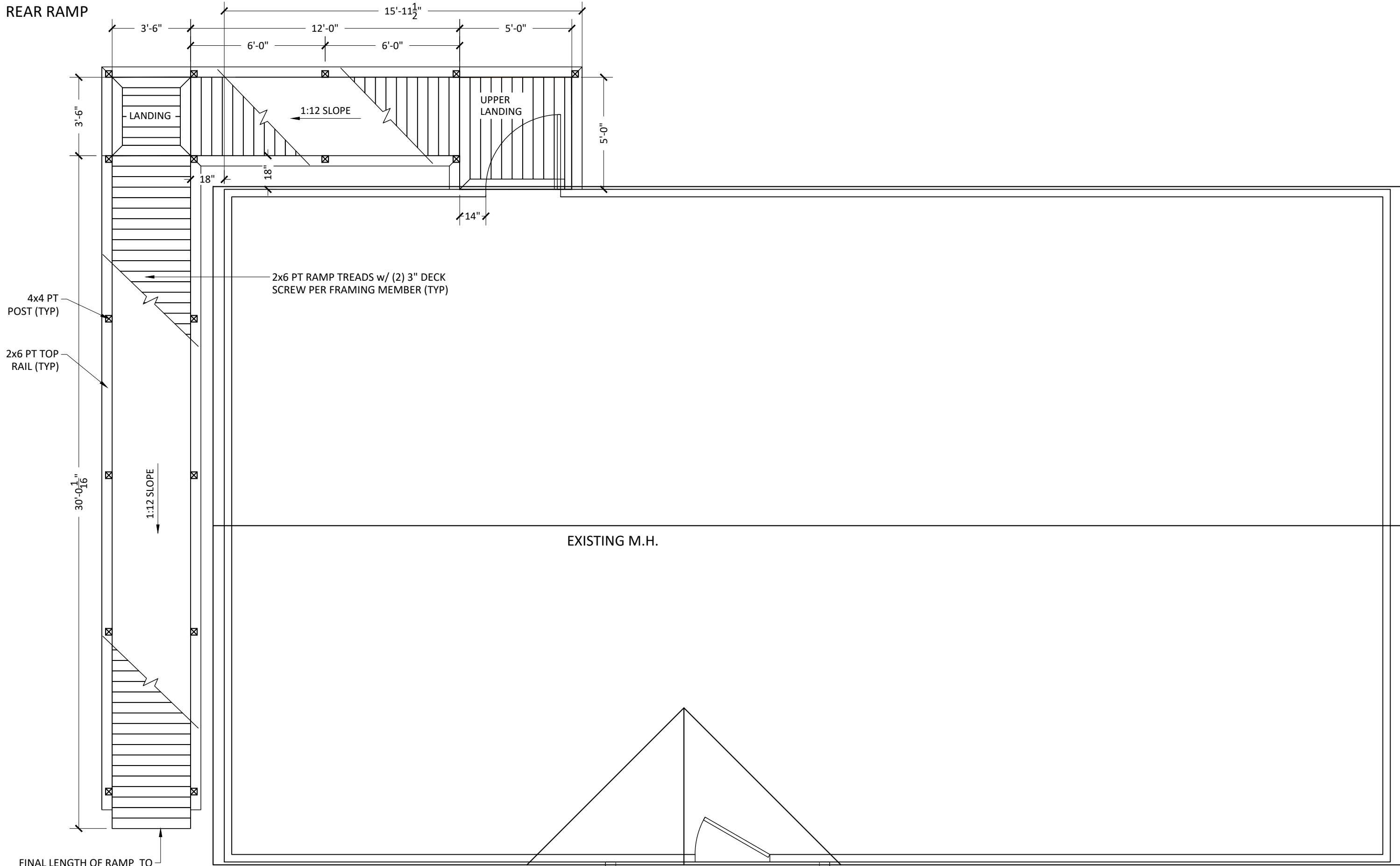
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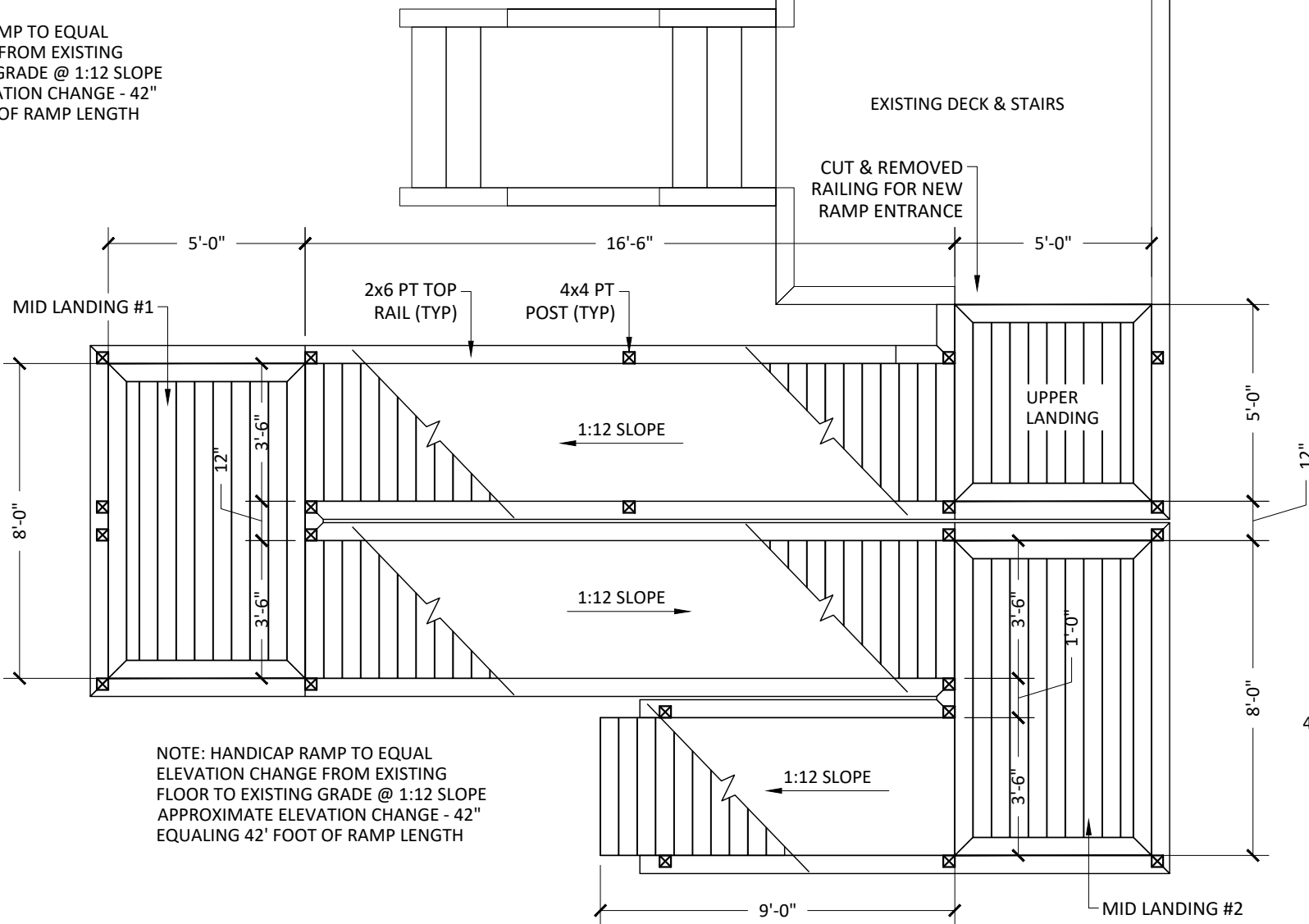
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2 of 3

REAR RAMP



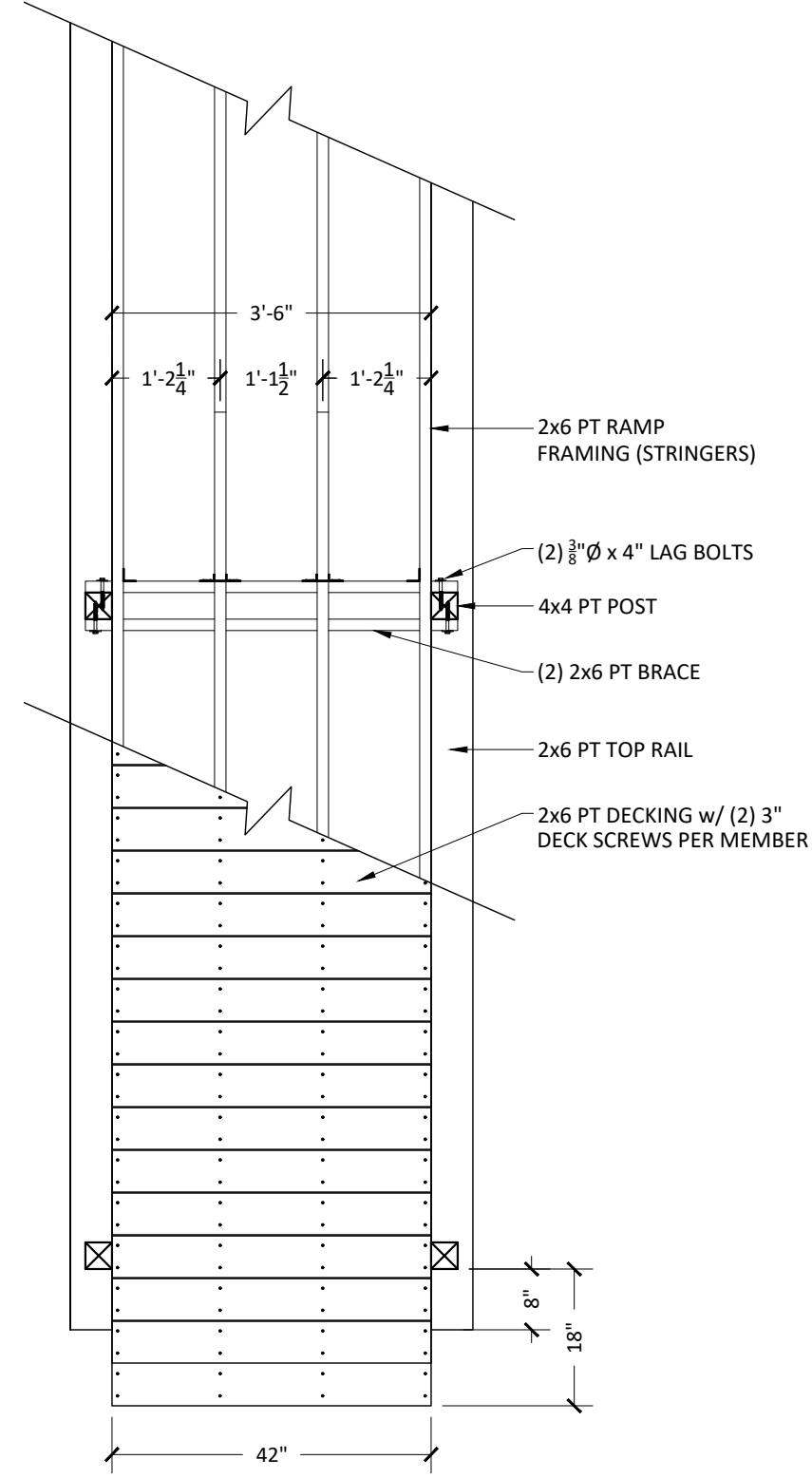
NOTE: HANDICAP RAMP TO EQUAL ELEVATION CHANGE FROM EXISTING FLOOR TO EXISTING GRADE @ 1:12 SLOPE APPROXIMATE ELEVATION CHANGE - 42" EQUALING 42' FOOT OF RAMP LENGTH



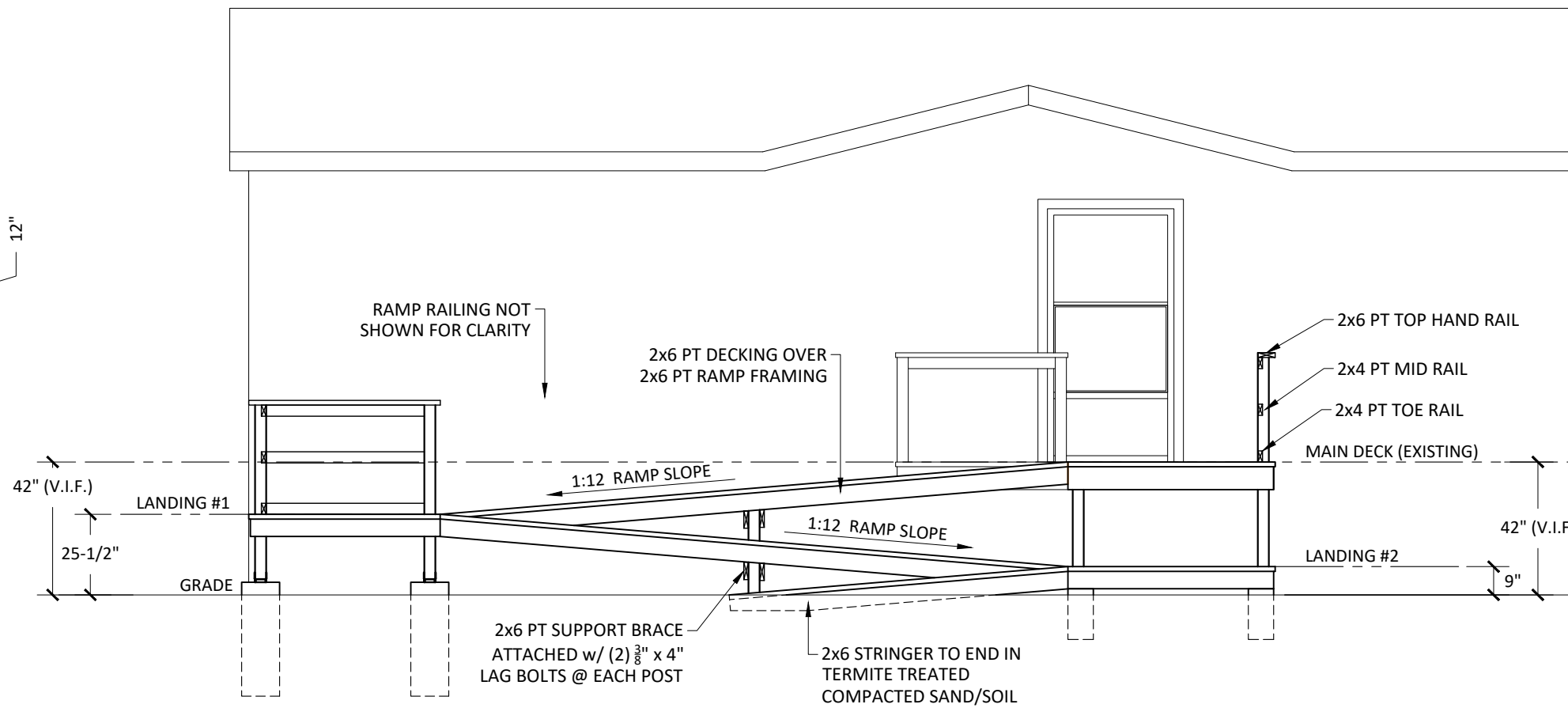
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FRONT RAMP

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



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



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

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