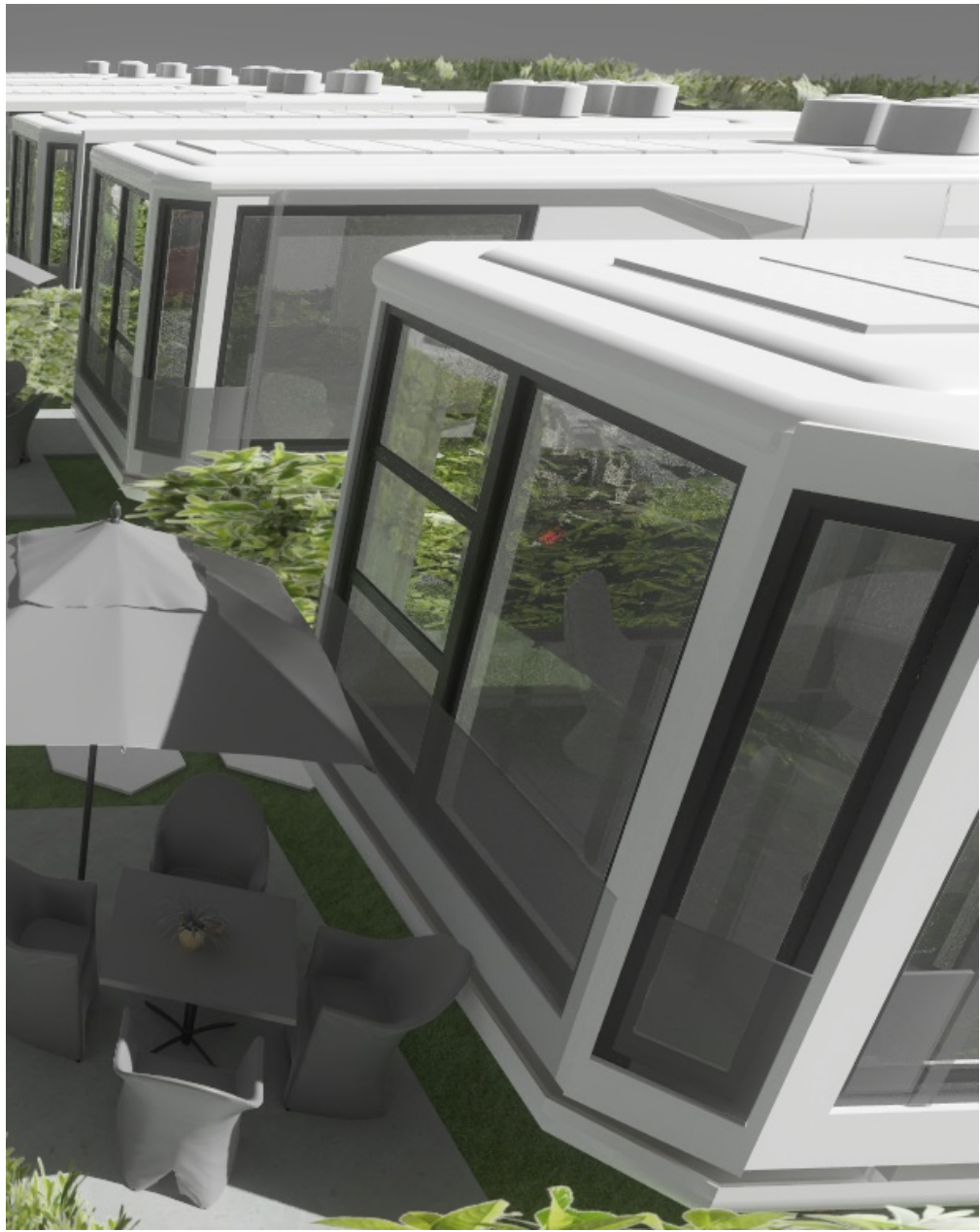




MALABAR ROAD
EMERGENCY CAPSULE
HOUSING COMMUNITY
(PILOT HOUSING)
9 PROTOTYPE UNITS

MINISTRY OF HOUSING AND MUNICIPALITIES

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REVISION TABLE	
NO#	DESCRIPTION

Malabar Road
Emergency Capsule
Housing Community
9 units (Pilot)

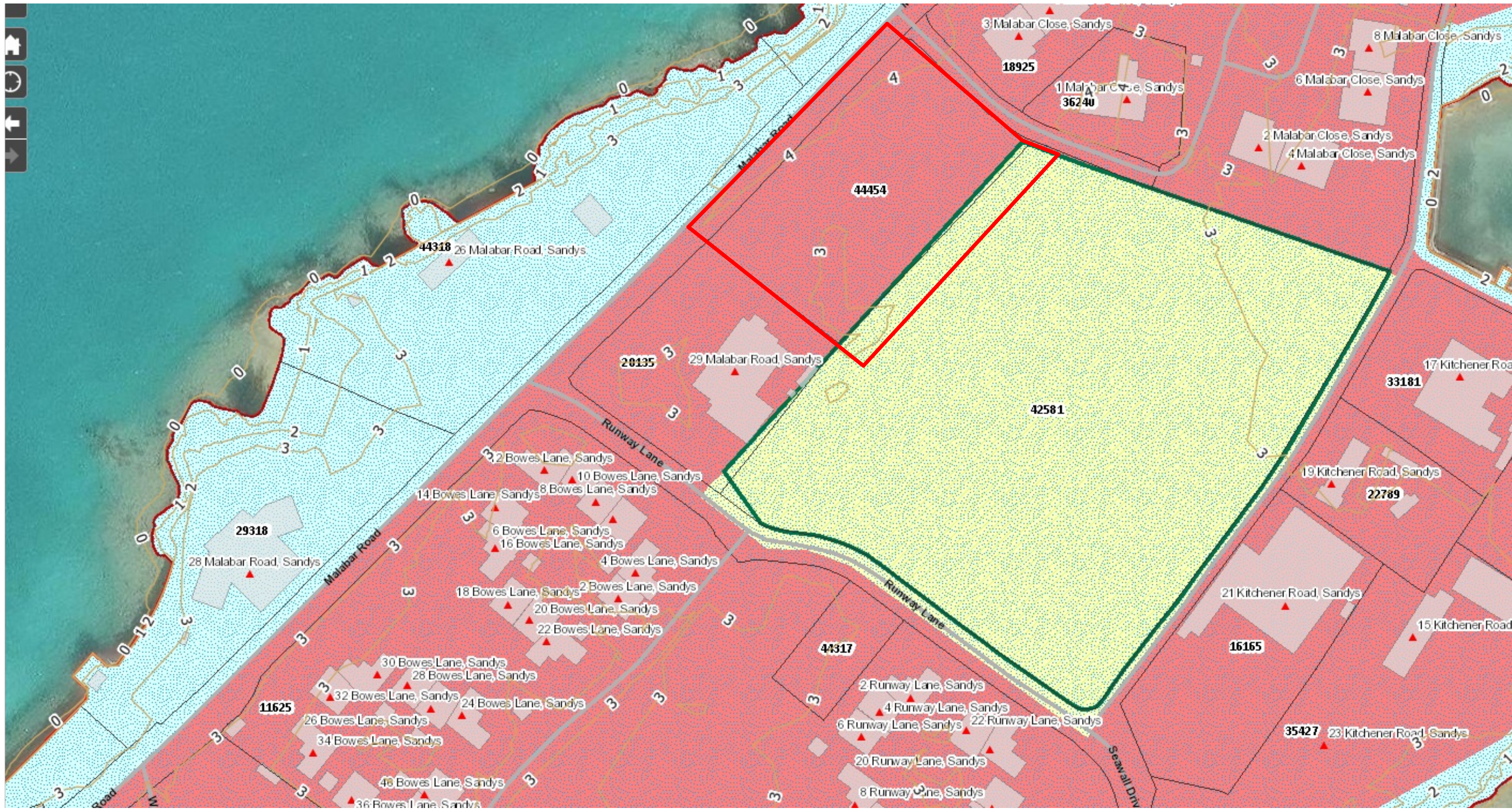
COVER PAGE

DRAWINGS PROVIDED BY:
Bermuda Housing Corporation
Project Management Dept.
KEFJ

DATE: 10/5/2026

SCALE: per plan sheet
CAP-EH1

SHEET: A0-0



ZONE R1
TYPE OF OCCUPANCY: EMERGENCY HOUSING
TEMPORARY HOUSING

BUILDING AREAS:

9 - CAPSULE: 390.7 SQ.FTN = 3,516.30 SQ.FT

TOTAL= 3,516.30 SQ.FT

SITE AREA: .730 ACRES / 31,801.72 SQ.FT

SITE COVERAGE:

BUILDING = 3,516.3 SQ.FT / 9.04%

HARDSURFACING:

ROAD/PARKING = 6,275.47 SQ.FT

AMENITY PAD = 990 SQ.FT

UTILITY PAD = 760 SQ.FT

SUBTOTAL = 8,025.47 SQ.FT / 25.24%

TOTALS: 11,541.77 SQ.FT / 36.29%

TOTAL UNITS 9

UNIT TYPES

STUDIOS: 7 (CAPSULES)

STUDIOS- DELUXE (DEN): 2 (CAPSULES)

2500 imp.GAL POTABLE WATER TANKS 4
(CONNECTED TO WATERMAIN)

1500 IMP GAL POTABLE WATER TANKS 2

8 - 1000 GAL SEPTIC TANKS WITH 4 SAND FLITER SOAKAWAYS
SERVING 9 TOTAL BEDROOMS)

CAR PARKING BAYS: 11

MOTORCYCLE PARKING: 12

LAYERS OF SAND FILTER SYSTEM

1. Topsoil
2. Geotextile
3. Sand filter (300-600 mm)
4. Clean gravel (100-200 mm)
5. Perforated pipes (100 mm dia)
6. Native soil (sandy/rocky - Ideal for percolation)

A - LOCATION PLAN

SCALE: SEE SCALE IN LOWER LEFT CORNER

COMMUNAL TRASH COLLECT/KIOSK

14" WIDE X 12' L TRENCH DRAIN TO SOAKAWAY PIT

EMERGENCY ASSEMBLY POINT A

SAND FILTER SOAKAWAY TRENCHES (SYSTEM)

2 COMPARTMENT SEPTIC TANKS

MAIN WATER SUPPLY TO PUMP TO POTABLE WATER TANKS

POTABLE WATER TANK 2500 IM GAL

3 GAL OLEANDER - 2' O.C. MIN AS NEED TO FOR NATURAL SCREENING

8' GRASS VERGE FOR INCREASE SITE LINE ALONG MALABAR ROAD AND THE PROPOSED SITE

25' SETBACK

UTILITY EASEMENT BELCO / DATA

AFRICAN IRIS 2 GAL. 40 TOTAL

BDA PALM TREE 15 GAL.

OUTDOOR PRIVATE AMENITY >455 SQ.FT EACH CAPSULES

ADDITIONAL PARKING

EMERGENCY ASSEMBLY POINT B



B - SITE / LANDSCAPE PLAN

SCALE: 1/16 = 1'-0"

LAYERS OF SAND FILTER SYSTEM

1. Topsoil
2. Geotextile
3. Sand filter (300-600 mm)
4. Clean gravel (100-200 mm)
5. Perforated pipes (100 mm dia)
6. Native soil (sandy/rocky - Ideal for percolation)

2ND WATER SUPPLY IN TO PUMP TO POTABLE WATER TANKS

SAND FILTER SOAKAWAY TRENCHES (SYSTEM)

2 COMPARTMENT SEPTIC TANK (1)

20' SETBACK

455 SQ.FT PRIVATE OUTDOOR AMENITY EACH CAPSULE

3 GAL OLEANDER - 2' O.C. MIN AS NEED TO FOR NATURAL SCREENING

TANK 2,500 IM GAL

10' SETBACK

RETAIN TREE BUFFER

2 COMPARTMENT SEPTIC TANK (1)

SAND FILTER SOAKAWAY TRENCHES (SYSTEM)

ADDITIONAL 18' COMMUNAL SPACE 1955 SQ.FT

POTABLE WATER TANK 1500 IM GAL

POTABLE WATER TANK 2500 IM GAL

>455 SQ.FT PRIVATE OUTDOOR AMENITY EACH CAPSULE

SAND FILTER SOAKAWAY TRENCHES (SYSTEM)

2 COMPARTMENT SEPTIC TANKS CONNECTED TO SAND FILTER SOAKAWAY TRENCH (SYSTEM) (2)

>455 SQ.FT PRIVATE OUTDOOR AMENITY EACH CAPSULE

REVISION TABLE		NO#	DATE	REVISED BY	DESCRIPTION

Malabar Road
Emergency Capsule
Housing Community
9 units (Pilot)

SITE PLAN

DRAWINGS PROVIDED BY:
Bermuda Housing Corporation
Project Management Dept.
KEFJ

DATE:

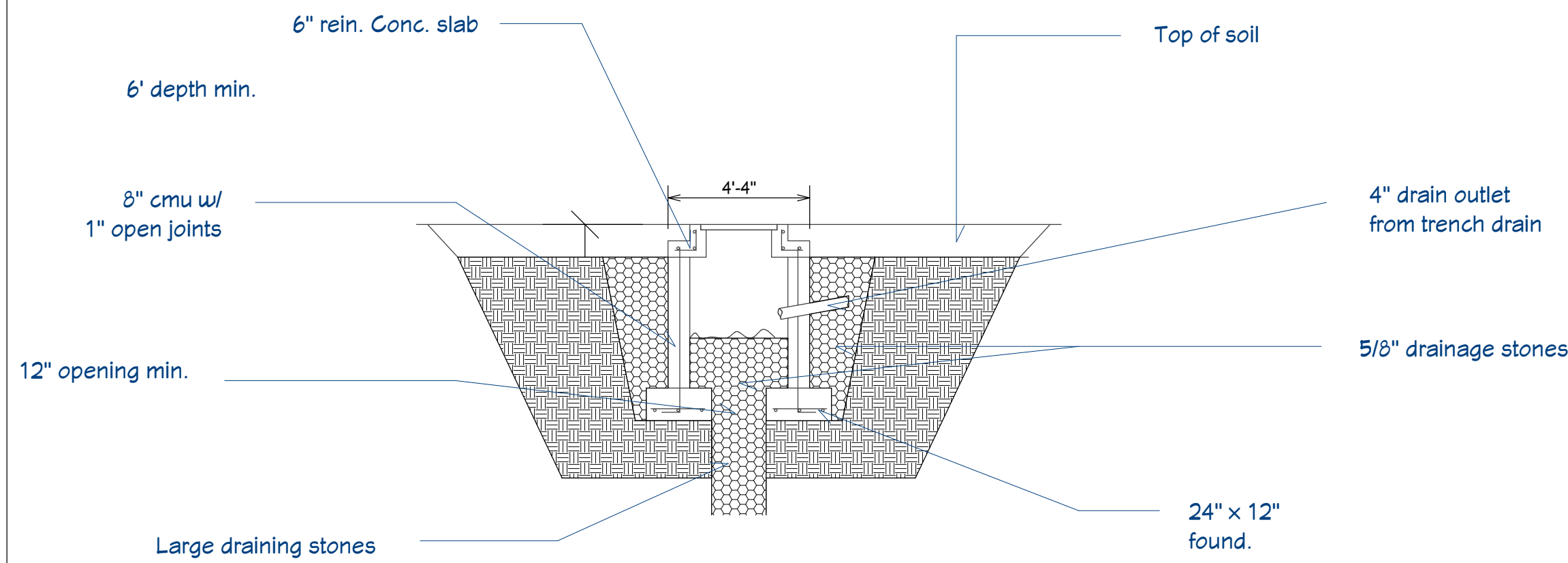
10/5/2026

SCALE: per plan sheet

CAP-EH1

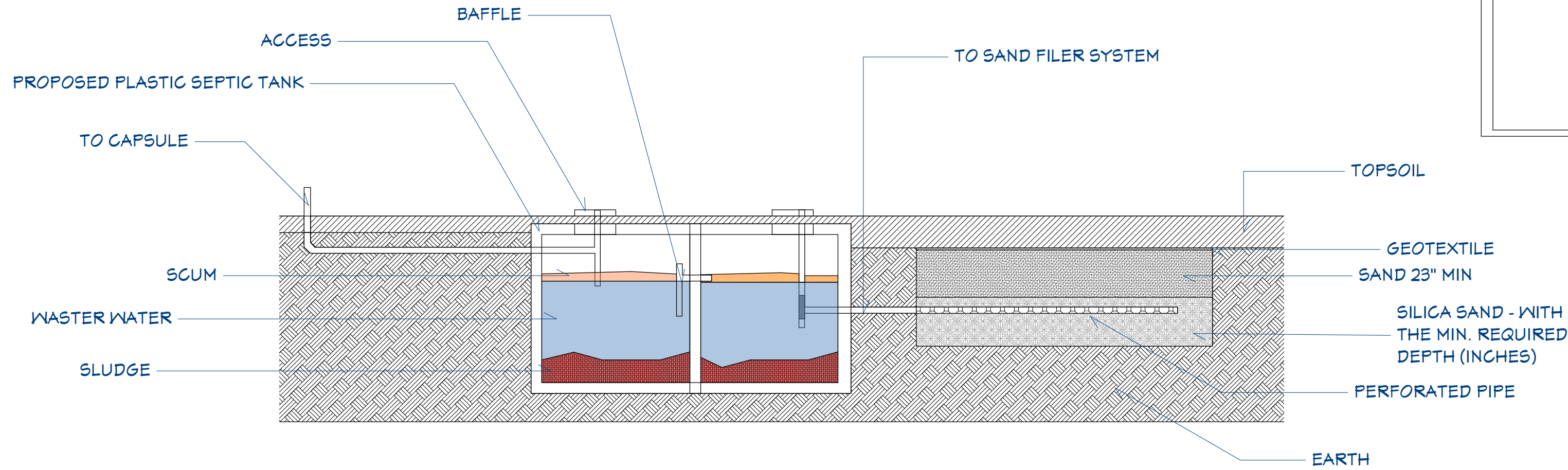
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A1-00



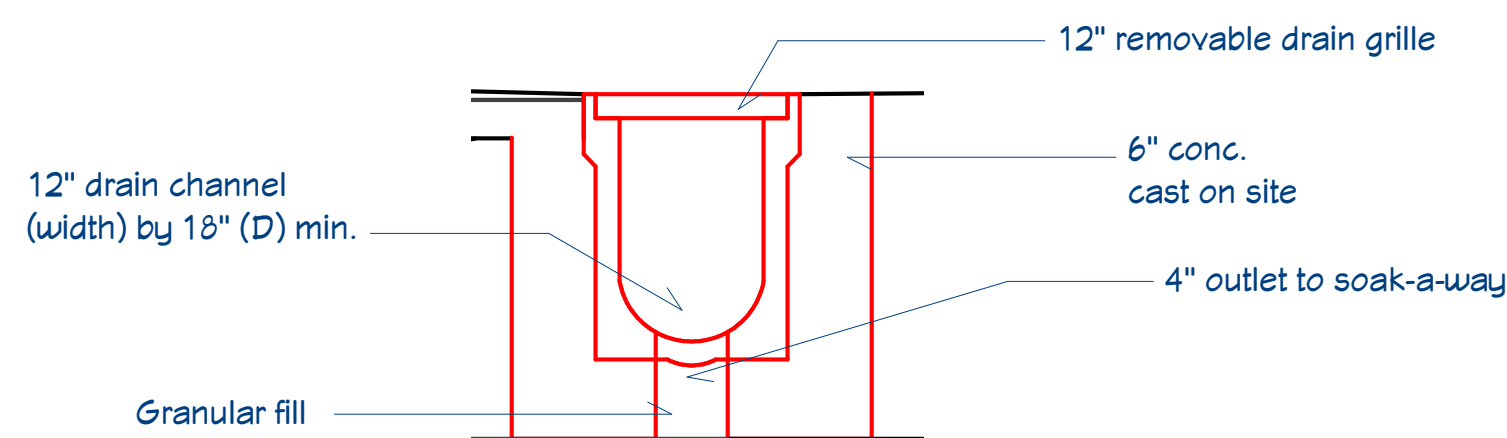
E - SOAK AWAY

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



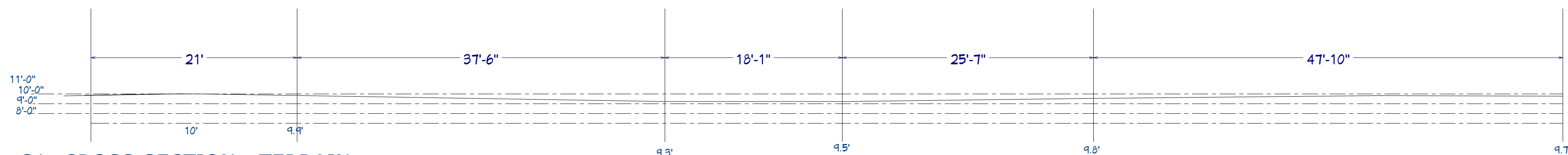
A - PROPOSED SAND FILTER SYSTEM AND DUAL CHAMBER SEPTIC TANKS SCHEMATIC ONLY
(to be designed and engineered by Certified Engineer) - SEE P-SERIES DRAWINGS

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

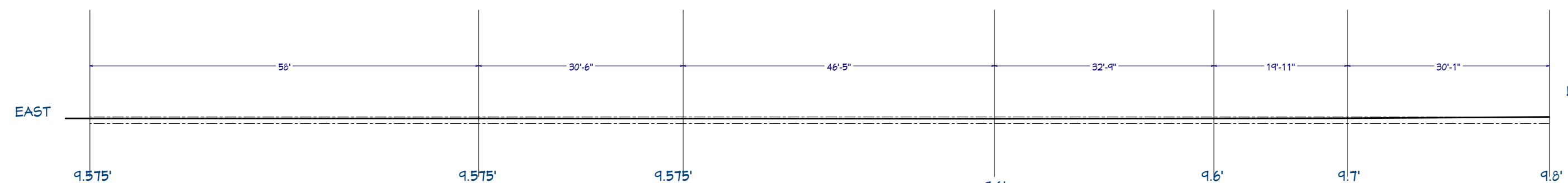


D - TRENCH DRAIN

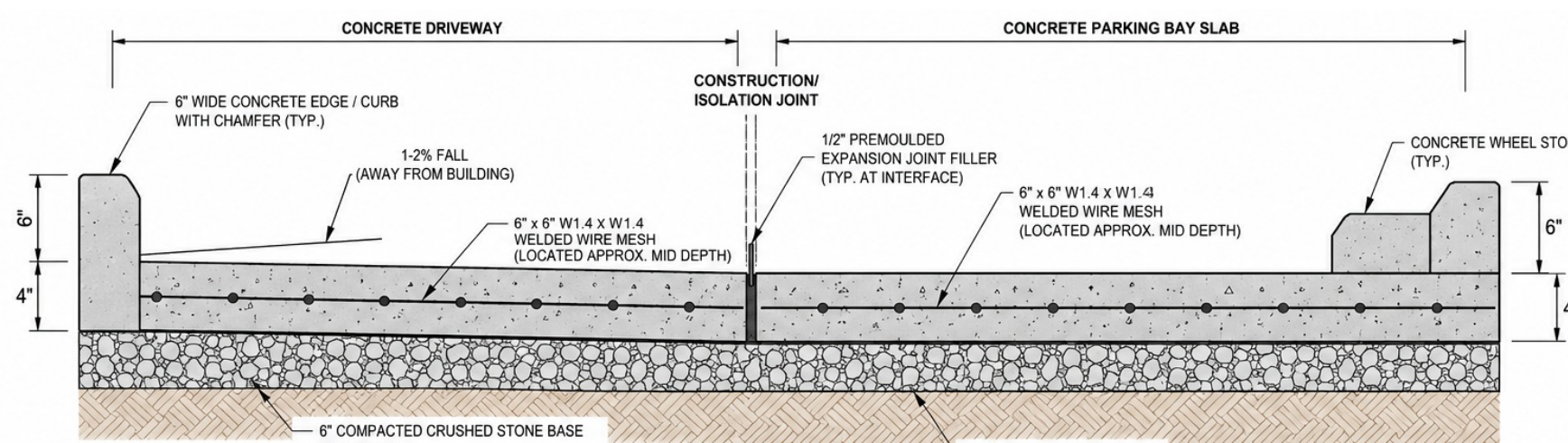
SCALE: 3/4" = 1'-0"



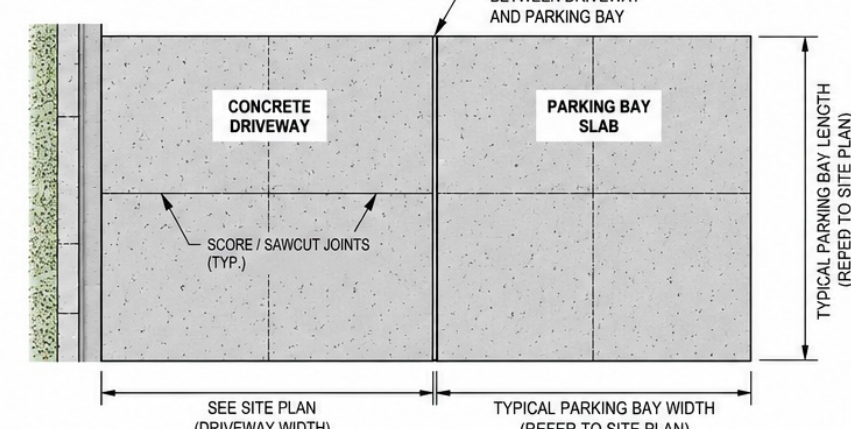
S1- CROSS SECTION - TERRAIN
SCALE: 3/16" = 1'-0"



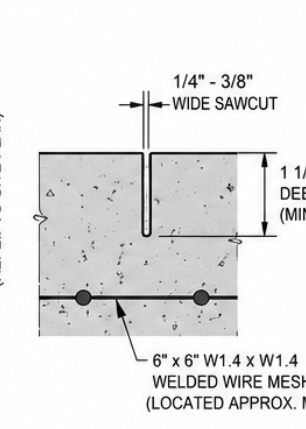
S2- CROSS SECTION - TERRAIN
SCALE: 3/16" = 1'-0"



1 TYPICAL SECTION - CONCRETE DRIVEWAY AND PARKING BAY SLAB
SCALE: 1" = 1'-0"

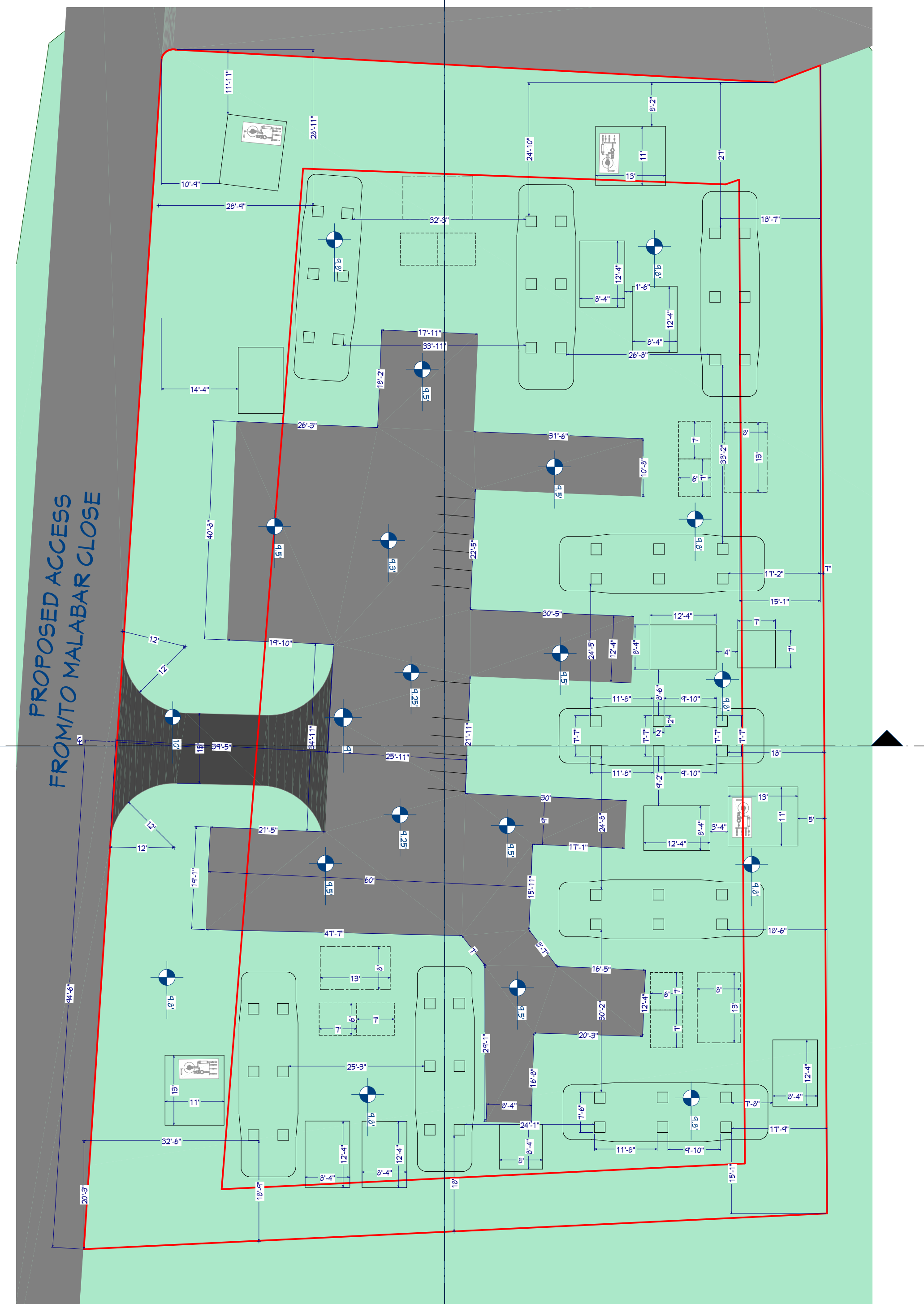


2 PLAN VIEW - JOINT LAYOUT
SCALE: 1/2" = 1'-0"



3 SAWCUT JOINT DETAIL
SCALE: 3" = 1'-0"

- CONCRETE DRIVEWAY / PARKING BAY SLAB NOTES:
1. CONCRETE: 4000 psi at 28 days (MIN.).
 2. SLAB THICKNESS: 4" (TYP.).
 3. REINFORCEMENT: 6" x 6" W1.4 x W1.4 welded wire mesh placed at mid-depth.
 4. BASE: 6" compacted crushed stone (3/4" minus).
 5. SUBGRADE: Compact to 95% Modified Proctor.
 6. JOINTS:
 - Isolation joint (1/2" pre-molded expansion joint filler) between driveway and parking bay slabs and at fixed structures.
 - Sawcut control joints at 10'-0" o.c. (max.) each way.
 - Provide sealant to all exposed joints.
 7. FINISH: Brown finish, perpendicular to direction of travel.
 8. FALL: Provide 1/2% fall to approved drainage and away from buildings.
 9. CONCRETE WHEEL STOP: Provide precast concrete wheel stop as shown (typ.). Refer to site plan for layout.



B - FOUNDATION PIER PLAN
SCALE: 1/16" = 1'-0"

NO#	REVISION TABLE		DESCRIPTION
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Malabar Road
Emergency Capsule
Housing Community
9 units (Pilot)

CAPSULE
DRIVEWAY/PARKING
DETAILS

DRAWINGS PROVIDED BY:
Bermuda Housing Corporation
Project Management Dept.
KEFJ

DATE:

10/5/2026

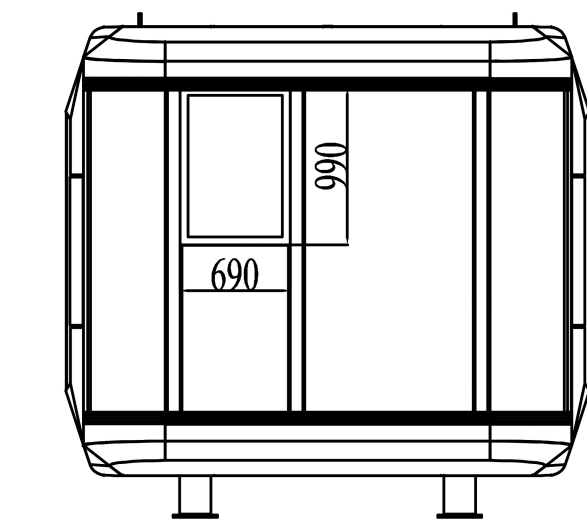
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CAP-EH1

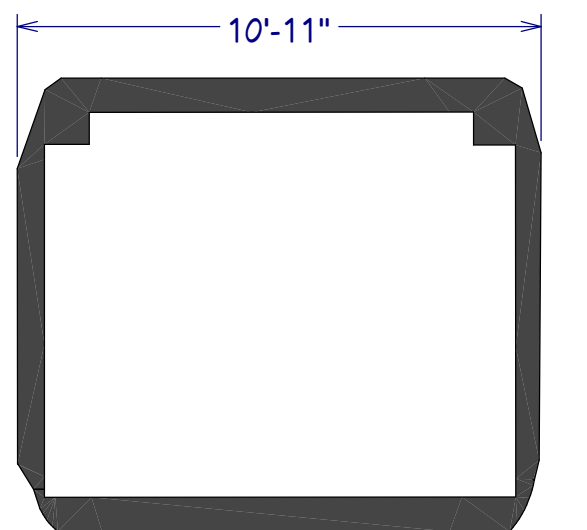
SHEET:

A1-02

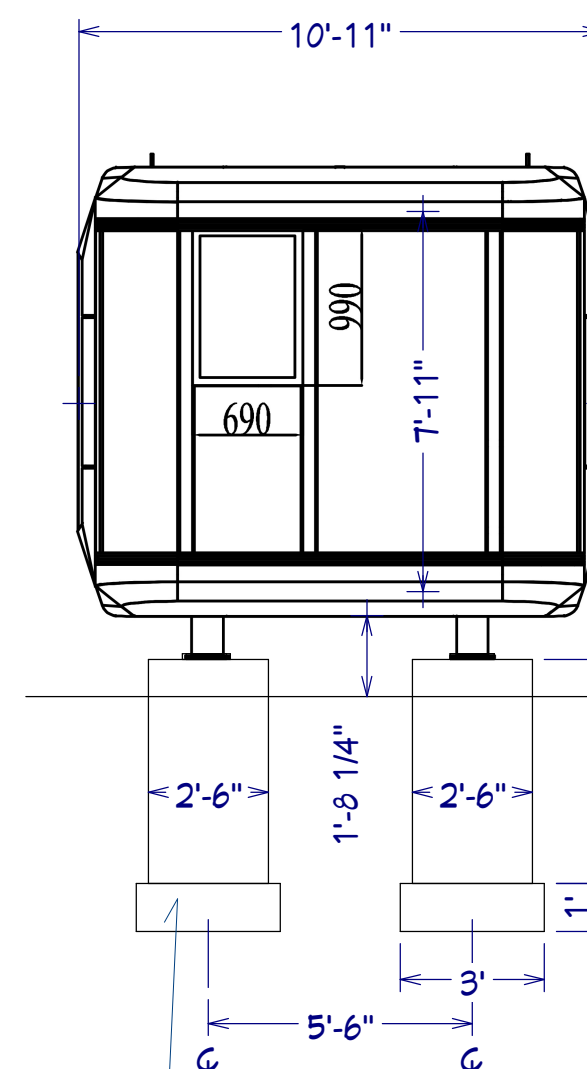
C -DETAIL FOR
NEW CONCRETE DRIVEWAY AND PARKING
SCALE: 1" = 1'-0"



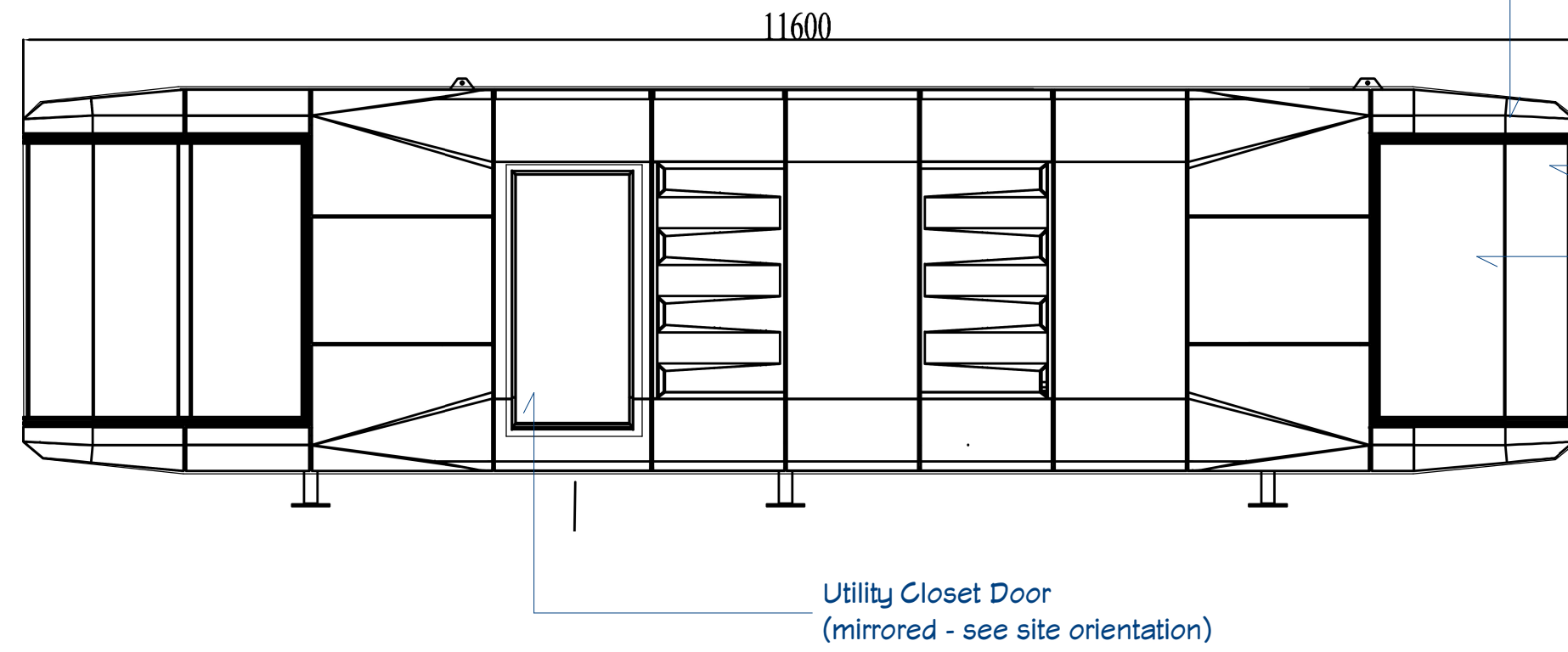
A - ELEVATION RIGHT
1/4" = 1'



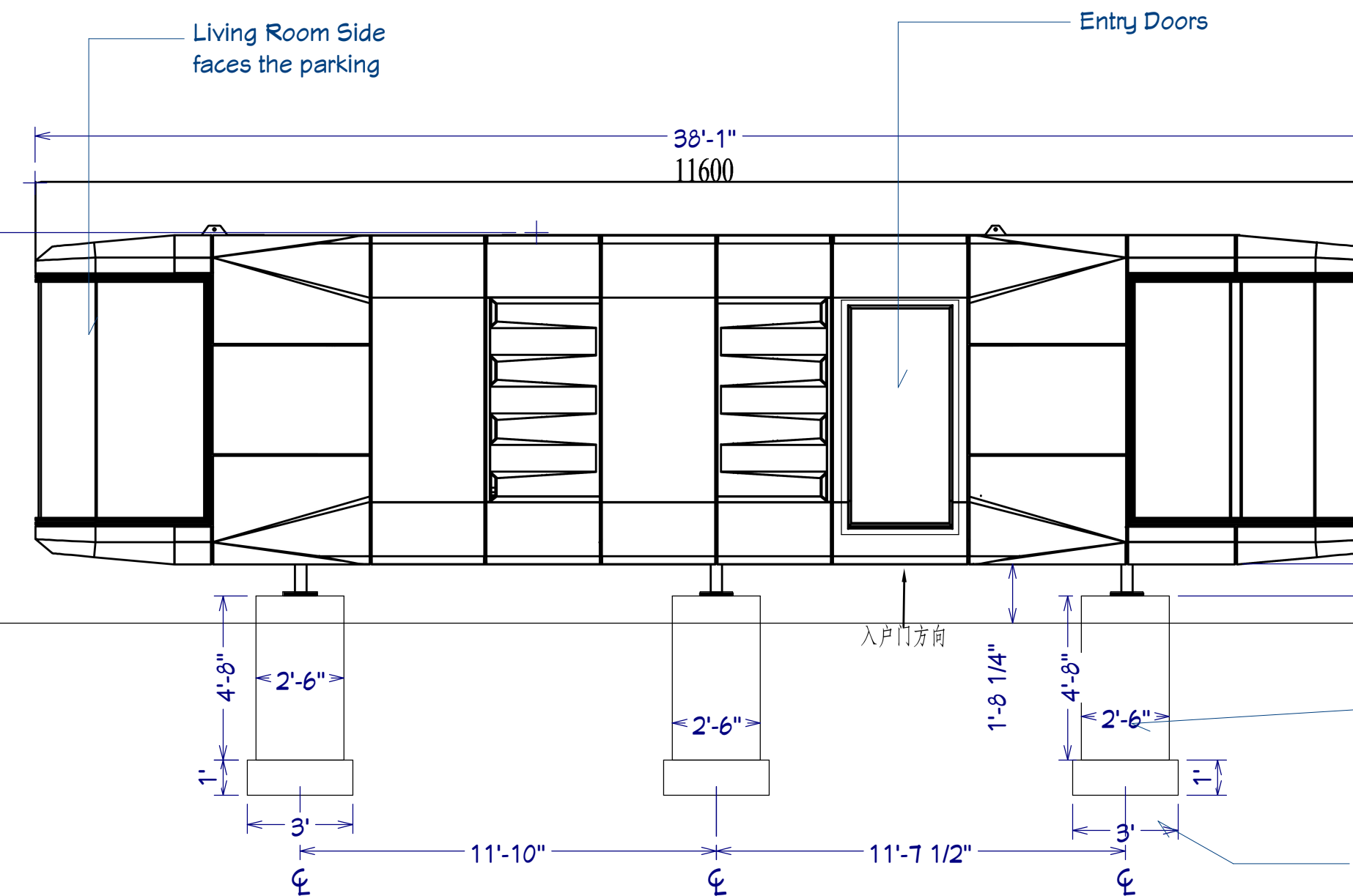
A2 - SECTION
1/4" = 1'



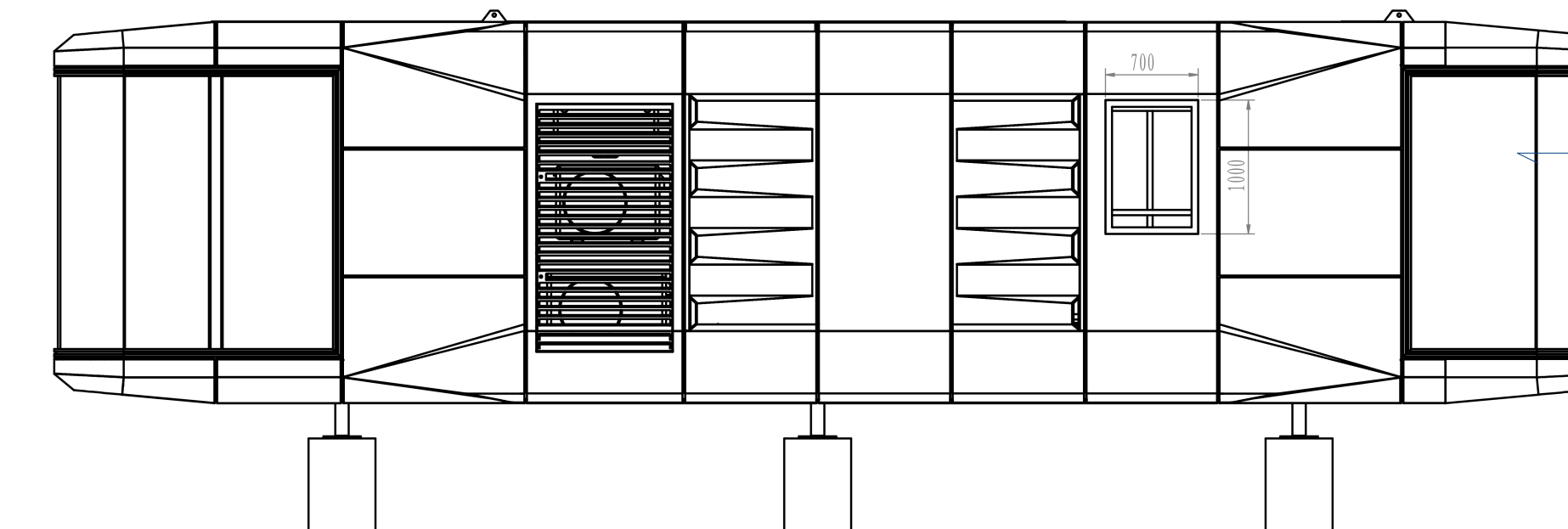
B - ELEVATION LEFT (w Pier Foundations Typical)
1/4" = 1'



A3 - SECTION
1/4" = 1'



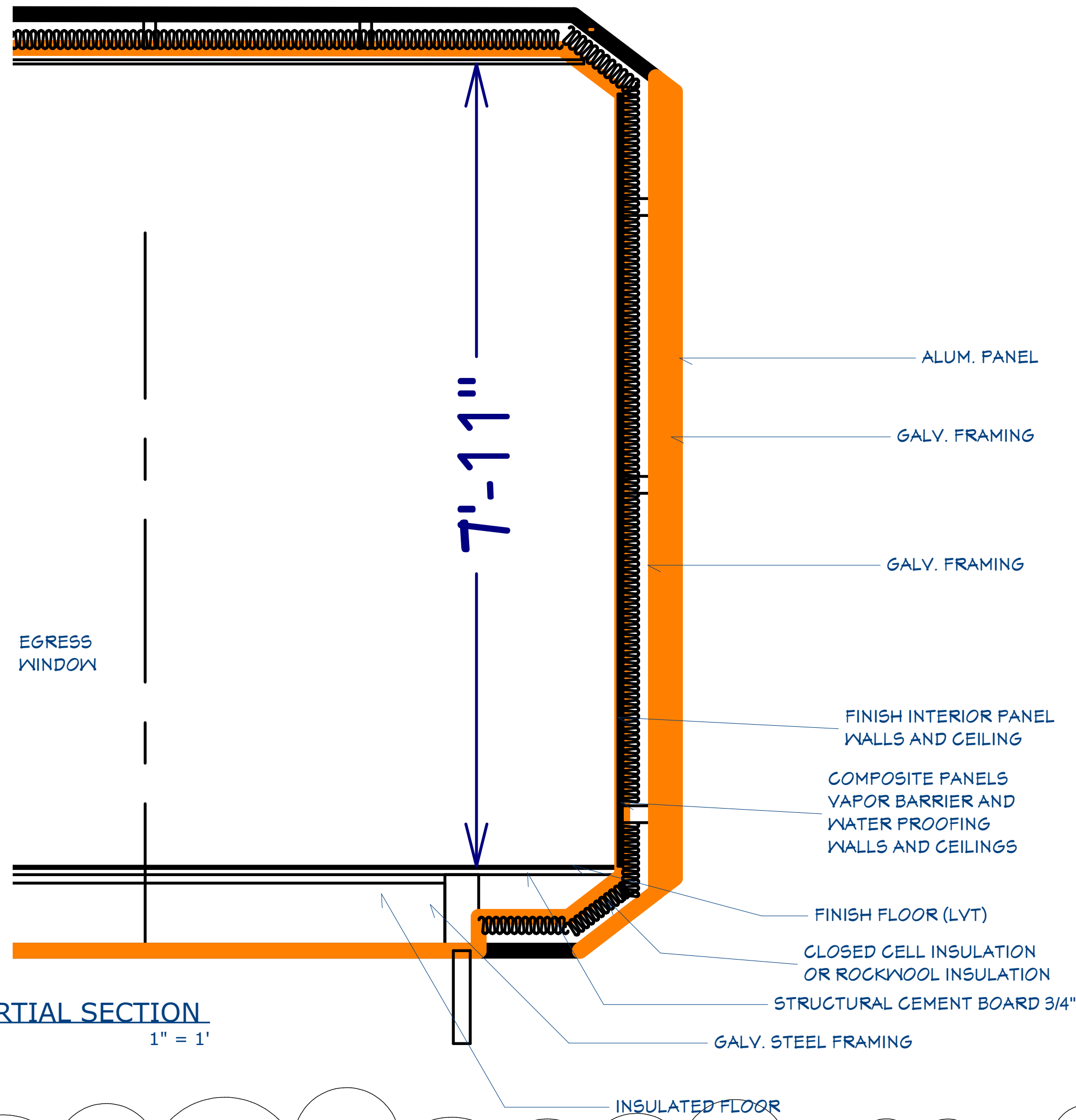
C - ELEVATION RIGHT (1 STUDIO DELUXE CAPSULE window at Kitchenette)
1/4" = 1'



HOUSING - ALUMINUM PANEL OVER
FIRE RETARDANT BOARD OVER
INSULATION AND GALV. STEEL FRAME
AND FINISHED TO THE INTERIOR WITH
ALUMINUM OF BAMBOO CHARCOAL FIRBERBOARD

DOUBLE INSULATED GLASS

Living Room side
faces the parking



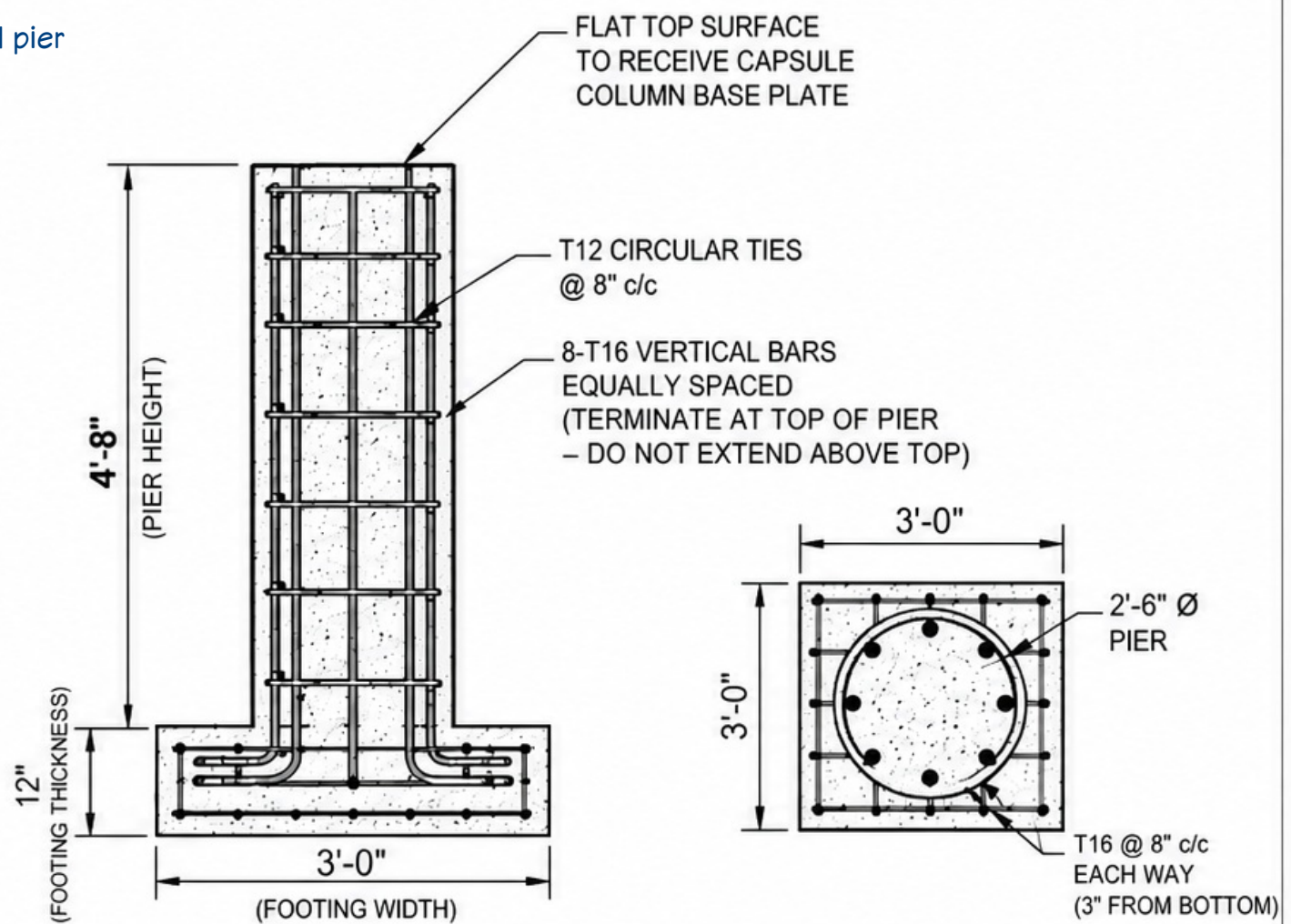
C - PARTIAL SECTION
1" = 1'

Grade

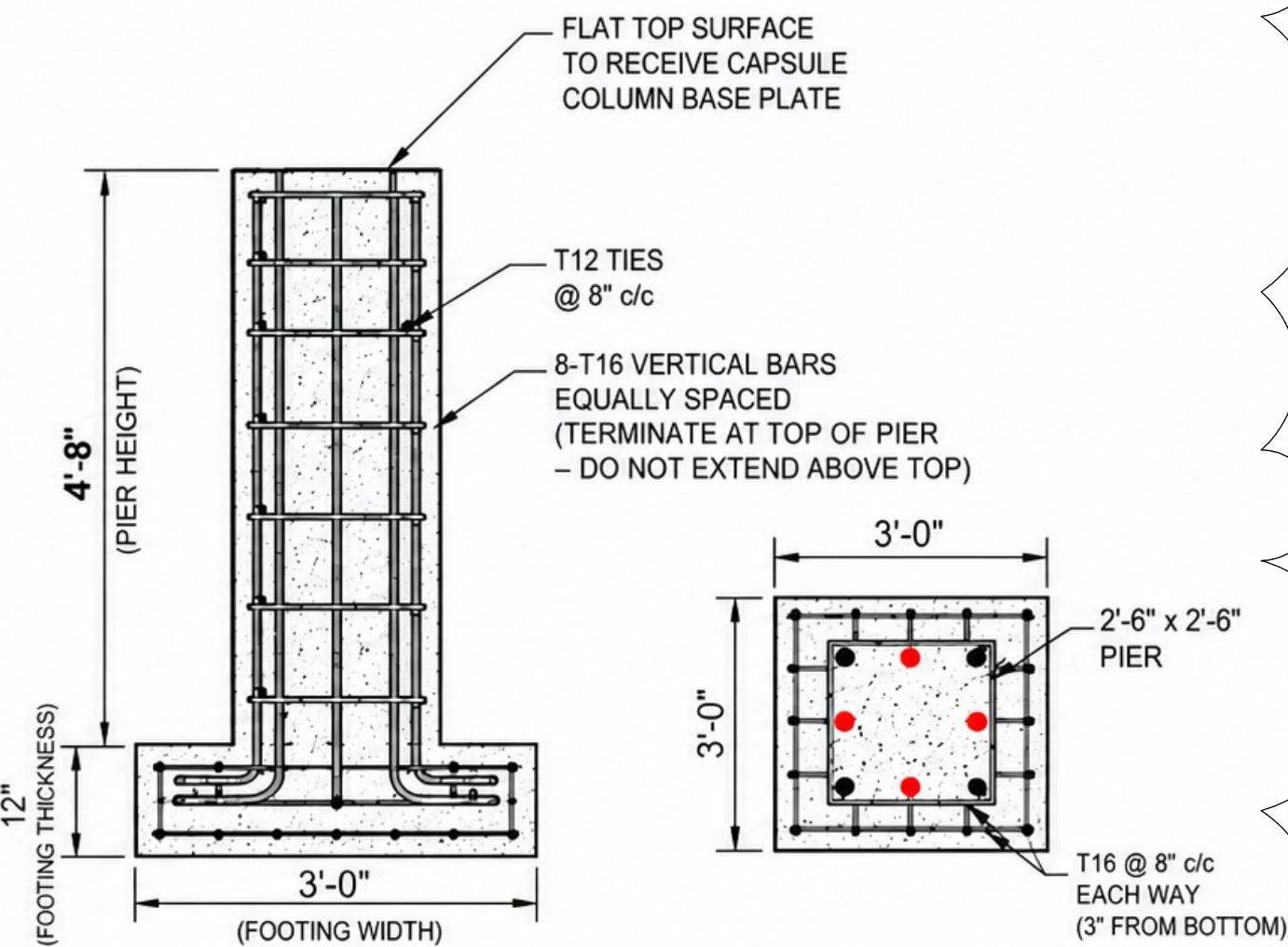
30" X 30"
Reinforced pier

36" x 36" conc.
foundation pad
on rock

Living Room Side
faces the parking



1 OPTION 1 - CIRCULAR CONCRETE PIER
2'-6" DIA. x 4'-8" HIGH PIER ON 3'-0" x 3'-0" x 12" CONCRETE FOUNDATION
SCALE: 1" = 1'-0"



2 OPTION 2 - SQUARE CONCRETE PIER
2'-6" x 2'-6" x 4'-8" HIGH PIER ON 3'-0" x 3'-0" x 12" CONCRETE FOUNDATION
SCALE: 1" = 1'-0"

Option 1: Provide circular 2'-6" dia. X 4'-8" high concrete piers on 3'-0" x 3'-0" x 12" concrete foundations. Pier to be reinforced with 8-T16 vertical bars equally spaced with 12" bend in footing and T12 circular ties @ 8" c/c. Foundation to be reinforced with T16 @ 8" c/c bars each way (3" from bottom).

Option 2: Provide 2'-6" x 2'-6" x 4'-8" high concrete piers on 3'-0" x 3'-0" x 12" concrete foundations. Pier to be reinforced with 8-T16 vertical bars equally spaced with 12" bend in footing and T12 ties @ 8" c/c. Foundation to be reinforced with T16 @ 8" c/c bars each way (3" from bottom)

Options 1 & 2 Details are rescaled = 3/4" = 1'-0"

NO#	REVISION TABLE		DESCRIPTION
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Malabar Road
Emergency Capsule
Housing Community
9 units (Pilot)

ELEVATIONS & DETAILS

DRAWINGS PROVIDED BY:
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KEFJ

DATE:

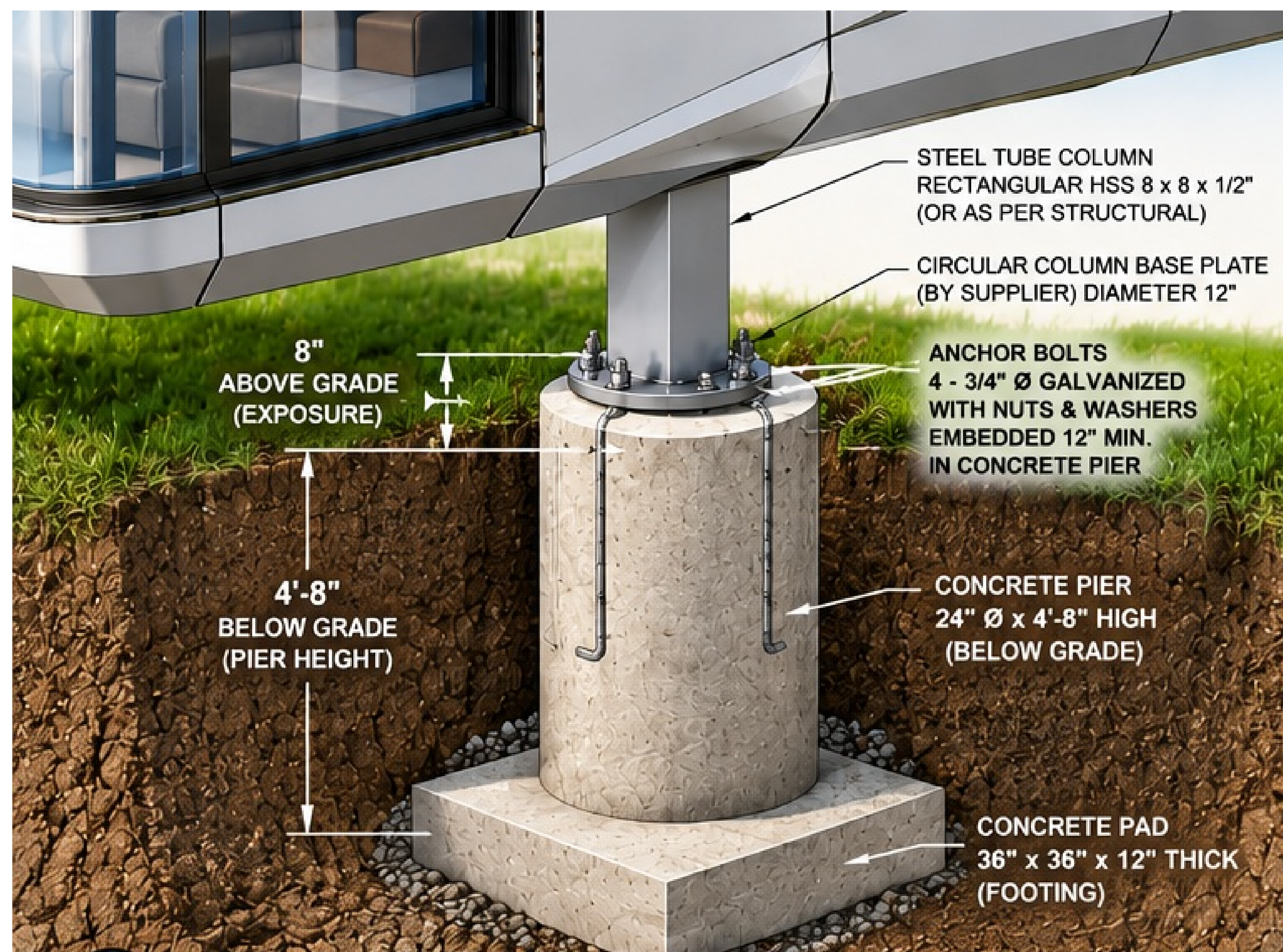
10/5/2026

SCALE: per
plan
sheet

CAP-EH1

SHEET:

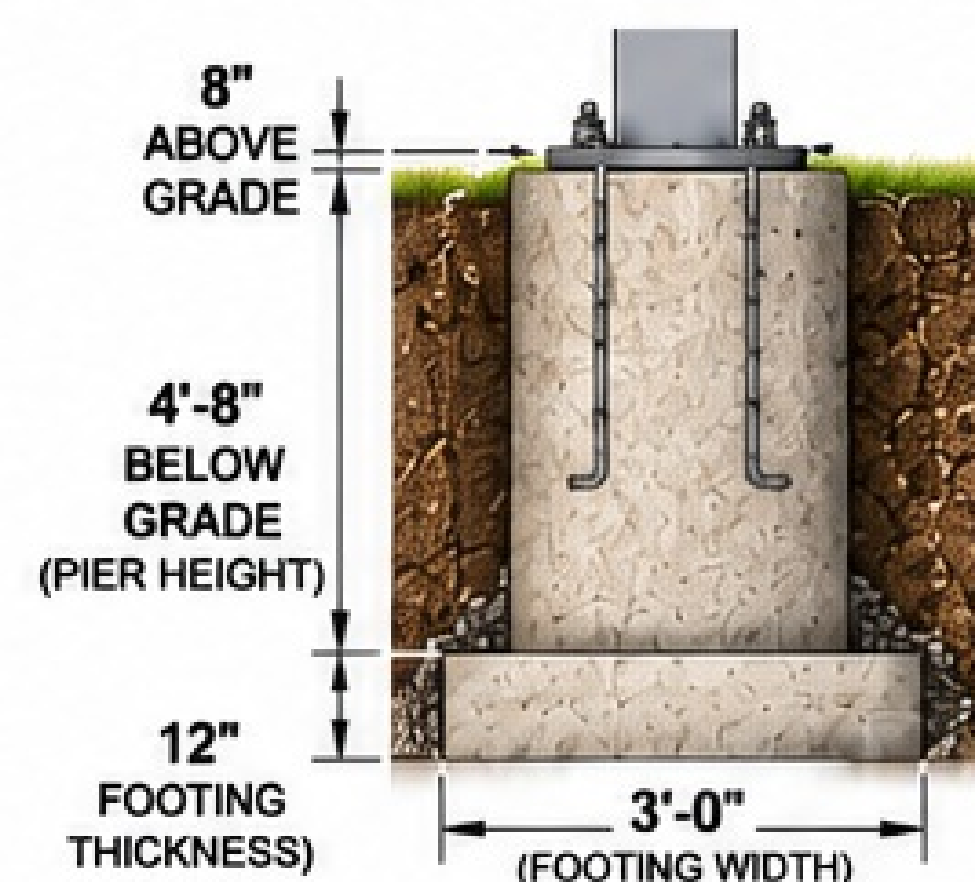
A1-30



1

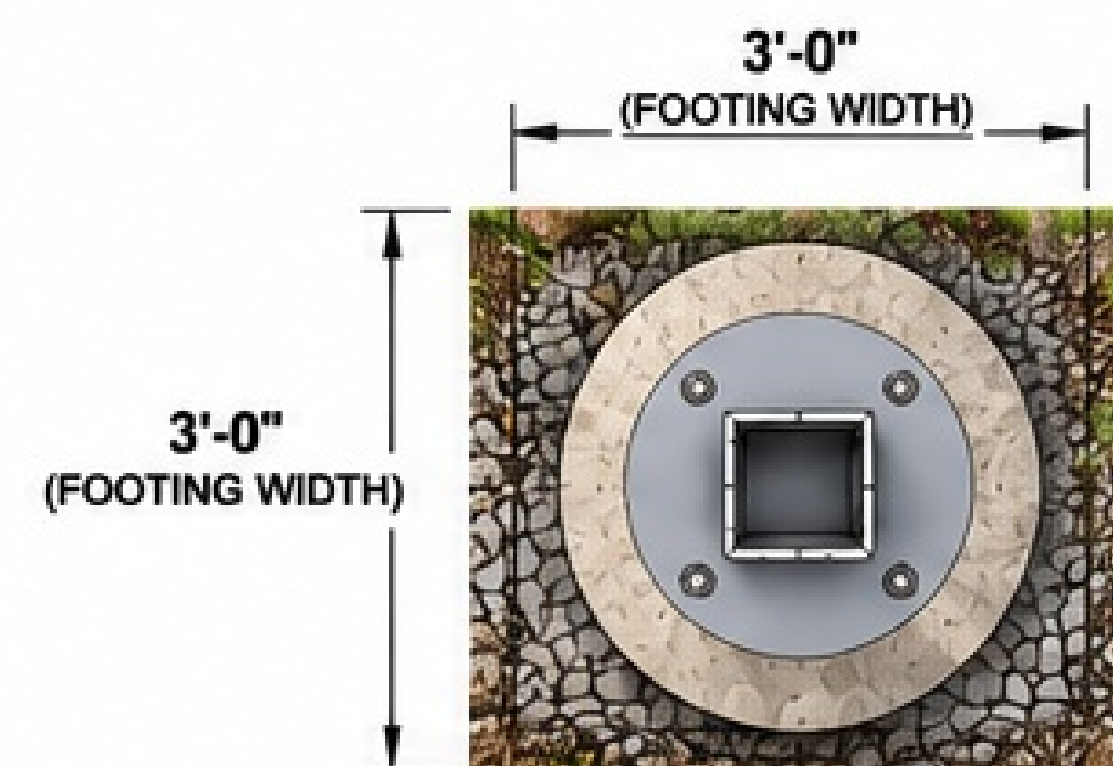
OPTION 1 – CIRCULAR CONCRETE PIER

2'-6" DIAMETER x 4'-8" HIGH PIER ON 3'-0" x 3'-0" x 1'-0" CONCRETE PAD



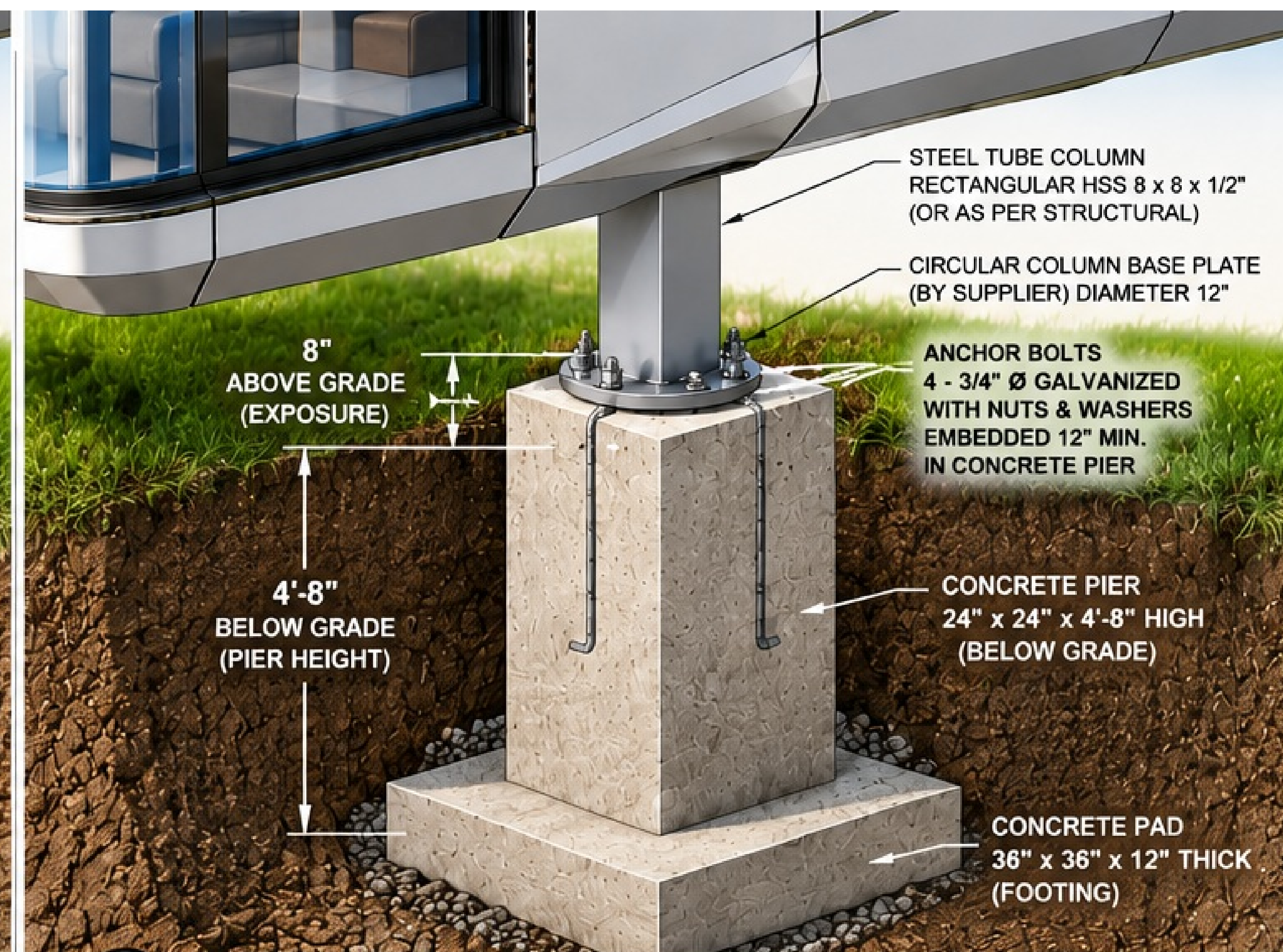
SECTION VIEW

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



PLAN VIEW

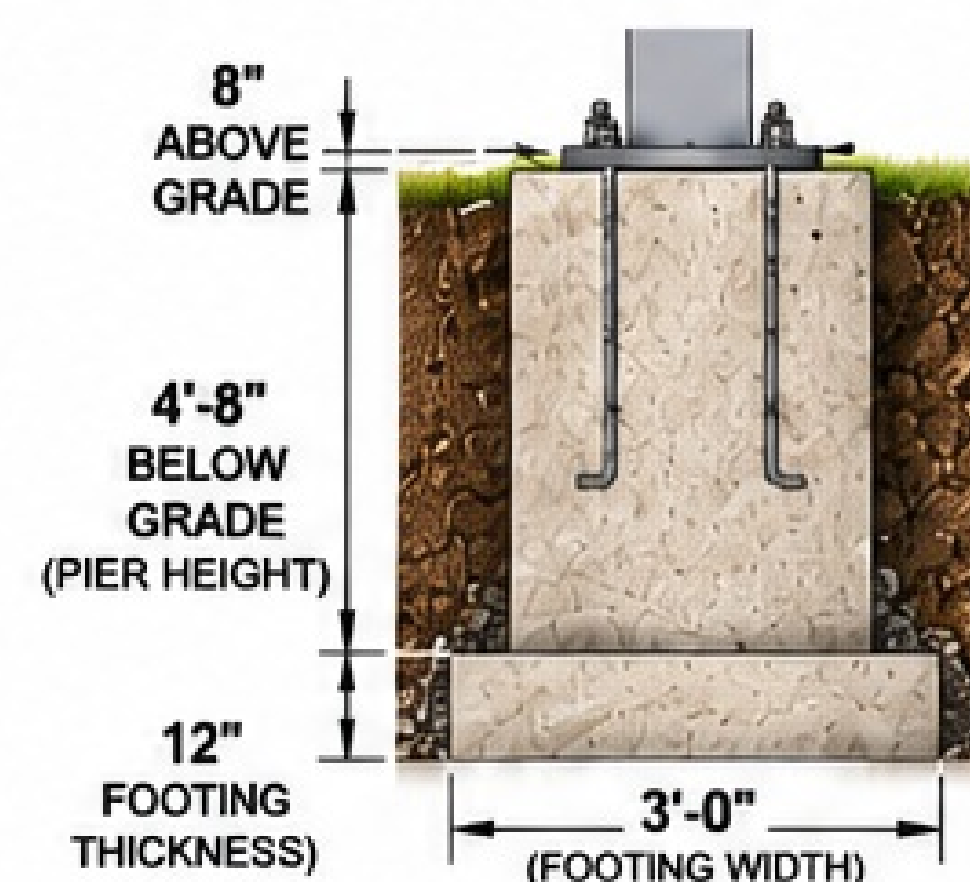
SCALE: 1/2" = 1'-0"



2

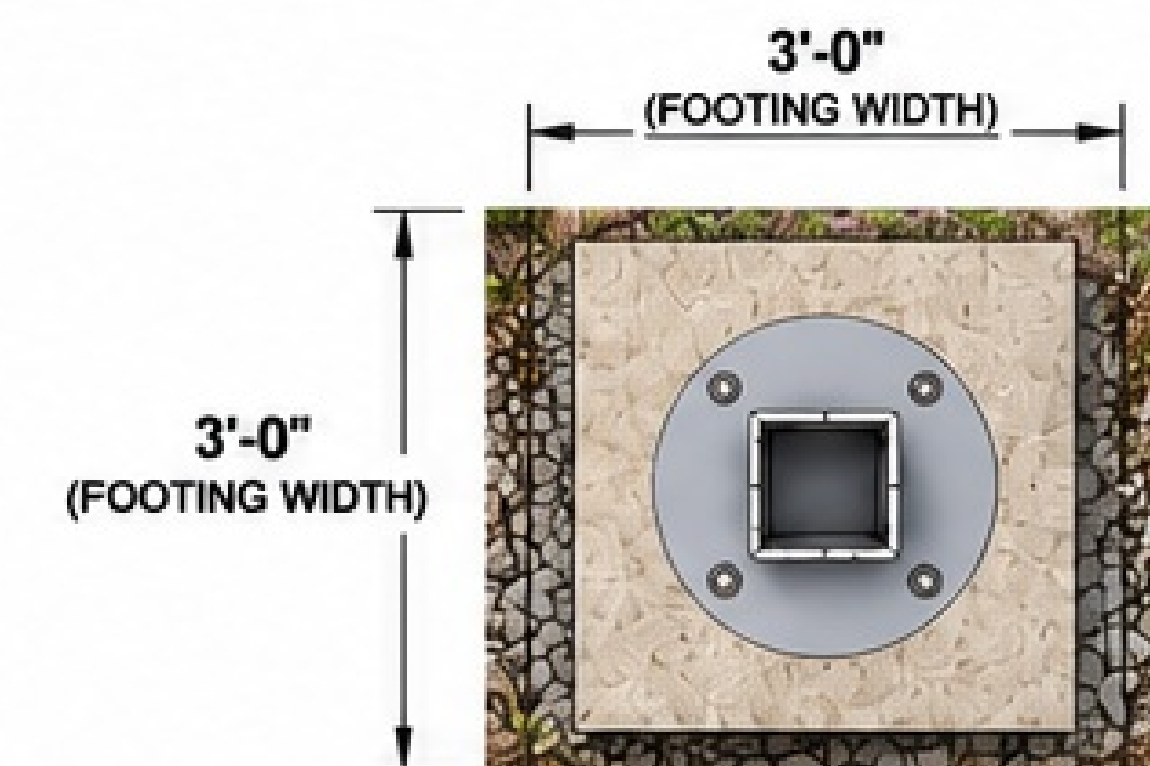
OPTION 2 – SQUARE CONCRETE PIER

2'-6" x 2'-6" x 4'-8" HIGH PIER ON 3'-0" x 3'-0" x 1'-0" CONCRETE PAD



SECTION VIEW

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



PLAN VIEW

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

NOTES:

1. CONCRETE PIERS SHALL BE INSTALLED BELOW FINISHED GRADE WITH APPROXIMATELY 8" EXPOSED ABOVE GRADE.
2. PIER HEIGHT BELOW GRADE: 4'-8" (TO BOTTOM OF PIER).
3. CONCRETE PAD (FOOTING): 36" x 36" x 12" THICK, ALL CONCRETE 3,000 PSI MINIMUM.
4. STEEL TUBE COLUMN, BASE PLATE AND ANCHOR BOLTS BY SUPPLIER (AS SHOWN) OR AS PER STRUCTURAL.

5. PROVIDE LEVELING NUTS AS REQUIRED.
6. ALL STEEL TO BE GALVANIZED.
7. VERIFY ALL DIMENSIONS AND ELEVATIONS IN FIELD.

NO#	DATE	REVISED BY	DESCRIPTION

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ELEVATIONS & DETAILS

DRAWINGS PROVIDED BY:
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KEFJ

DATE:

10/5/2026

SCALE: ^{per} plan
sheet

CAP-EH1

SHEET:

A1-31