GENERAL NOTES

1. THE CONTRACTORS SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL THE IMPROVEMENTS SHOWN ON THE PLANS.
2. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM LOCAL MUNICIPALITY, HOAS AND BUILDING DIVISIONS. CONTRACTOR SHALL ADHERE TO ALL ZONING REQUIREMENTS.
3. CONTRACTOR SHALL CALL UTILITY LOCATE PRIOR TO STARTING CONSTRUCTION AND SHALL MAINTAIN LOCATOR TICKET UNTIL CONSTRUCTION PROJECT IS COMPLETED.
4. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE REQUIREMENTS SHOWN ON THESE PROJECT DRAWINGS, AS NOTED IN THE PROJECT SPECIFICATIONS, AND IN THE GENERAL REQUIREMENTS AND GENERAL CONDITIONS OF THE CONTRACT.
5. CONTRACTOR AND SUBCONTRACTORS SHALL VERIFY IN THE FIELD THAT ALL MATERIALS AND ASSOCIATED EQUIPMENT FOR THEIR WORK CAN BE BROUGHT TO THE PROJECT WORK SITE THROUGH EXISTING ROUTES AND OPENINGS.
6. CONTRACTOR AND SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND ANY CONDITIONS AT THE PROJECT WORK SITE, AND SHALL NOTIFY OWNER AND ARCHITECT IF ANY DISCREPANCY IS FOUND.
7. ALL EXISTING CONDITIONS AND NEW WORK SHALL BE PROTECTED FROM DAMAGE DURING ALL PHASES OF THE CONTRACT WORK BY THE CONTRACTOR; ANY DAMAGED AREAS SHALL BE REPAIRED TO THE APPROVAL OF THE CLIENT SO AS TO MATCH EXISTING ADJACENT CONDITIONS AT THE EXPENSE OF THE CONTRACTOR.
8. NO EXTRA WORK SHALL BE PERFORMED BY ANY CONTRACTOR WITHOUT PRIOR WRITTEN APPROVAL BY THE CLIENT. ANY ADDITIONAL WORK PERFORMED WITHOUT APPROVAL BY THE CLIENT SHALL BE AT THE CONTRACTOR'S EXPENSE.
9. ANY SUBSTITUTIONS MUST BE SUBMITTED BY THE CONTRACTOR TO THE CLIENT AND DESIGN CONSULTANTS FOR REVIEW. SUBSTITUTIONS SHALL BE APPROVED IN WRITING BY THE CLIENT WITHOUT EXCEPTION. ANY ITEMS NOT APPROVED BY THE CLIENT SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE.
10. ANY PROPOSED CHANGES TO WORK SHOWN ON THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE CLIENT IN WRITING FOR APPROVAL PRIOR TO ANY WORK BEING PERFORMED. CONTRACTOR SHALL INDICATE THE DATE, PROPOSED CHANGE IN CONTRACT PRICE AND CHANGE IN CONTRACT WORK SCOPE.
11. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN.
12. ALL SURFACES TO MAINTAIN A MINIMUM OF 2% SLOPE AWAY FROM BUILDINGS AND STRUCTURES.
13. DECK SHALL BE INSTALLED BY PROFESSIONAL CARPENTER. ALL FIELD ADJUSTMENTS SHALL BE APPROVED BY DESIGNER IN THE FIELD BEFORE FINAL INSTALLATION.
14. CONTRACTOR AND CARPENTER SHALL ADHERE TO ALL SIMPSON STRONG-TIE FASTENING STANDARDS AND REQUIREMENTS FOR EACH CONNECTOR.
15. ALL LUMBER IN PLANS REFERENCED AS NOMINAL SIZES. ACTUAL LUMBER DIMENSIONS ARE USED IN PLANS.

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L-1
GENERAL NOTES

MATERIAL SCHEDULE

1. SETTING BED MATERIALS:
   - 1.1. CRUSHED AGGREGATE ROAD BASE TO BE $\frac{3}{4}$" SCREENED AGGREGATE FROM PIONEER.
   - 1.2. SAND SETTING BED TO BE MASON SAND FROM CRYSTAL LANDSCAPE SUPPLIES.
   - 1.3. FILTER FABRIC TO BE 500 SERIES LANDSCAPER'S CHOICE FROM EWING OUTDOOR SUPPLY.
2. NATURAL PATIO:
   - 2.1. FLAGSTONE TO BE PENNSYLVANIA BLUE FLAGSTONE FROM CRYSTAL LANDSCAPE SUPPLIES.
   - 2.2. FLAGSTONE JOINT MATERIAL TO BE GATOR DUST BOND - POLYMERIC DUST FROM ALLIANCE GATOR.
   - 2.3. AGGREGATE EDGING TO BE 1 $\frac{1}{2}$" GLACIER GRANITE DECORATIVE ROCK FROM CRYSTAL LANDSCAPE SUPPLIES.
   - 2.4. SEAT-WALL TO BE BUFF BOULDERS FROM ARKINS PARK QUARRY. SEE SHEET 26.
   - 2.5. EDGE RESTRAINT TO BE STRUCTUREDGE FROM PERMALOC.
   - 2.6.
3. MANUFACTURED PATIO:
   - 3.1. PAVERS TO BE TREO SMOOTH 60MM PAVERS FROM UNILOCK. COLOR: SIERRA. FINISH: SMOOTH PREMIER. ASSORTMENT OF LARGE RECTANCGLE, SMALL RECTANGLE AND SQUARE.
   - 3.2. STAIR TREADS TO BE LEDGESTONE LARGE COPING/STEP TREAD, 30"X2.75"X13.5" FROM UNILOCK. COLOR: BUFF. FINISH: FLAGSTONE.
   - 3.3. STAIR RISERS TO BE LINEO DIMENSIONAL STONE FROM UNILOCK. COLOR: SIERRA. FINISH: CLASSIC.
   - 3.4. PAVER JOINT MATERIAL TO BE GATOR MAXX SAND - POLYMERIC SAND FROM ALLIANCE GATOR.
   - 3.5. AGGREGATE EDGING TO BE 1 $\frac{1}{2}$" GLACIER GRANITE DECORATIVE ROCK FROM CRYSTAL LANDSCAPE SUPPLIES.
   - 3.6. EDGE RESTRAINT TO BE STRUCTUREDGE FROM PERMALOC.
4. NATURAL RETAINING WALLS:
   - 4.1. NATURAL RETAINING WALLS TO BE BUFF BOULDERS FROM ARKINS PARK QUARRY. SEE SHEETS 21 AND 22.
   - 4.2. CORRUGATED 4" DRAIN PIPE TO BE SOURCED FROM NEAREST LOCAL DISTRIBUTOR.
5. MANUFACTURED RETAINING WALL:
   - 5.1. MANUFACTURED RETAINING WALL TO BE U-CARA RETAINING WALL SYSTEM FROM UNILOCK.
   - 5.2. BACKER TO BE SIZE LARGE, COLOR: NATURAL, FINISH: CLASSIC.
   - 5.3. FASCIA TO BE COLOR: DARK CHARCOAL, FINISH: SMOOTH PREMIER.
   - 5.4. WALL CAP TO BE UMBRIANO COPING FROM UNILOCK, COLOR: MIDNIGHT SKY, FINISH: UMBRIANO-MOTTLED.
   - 5.5. GEOTEXTILE TO BE US 230 WOVEN FILTRATION GEOTEXTILE FROM US FABRICS.
   - 5.6. CORRUGATED 4" DRAIN PIPE TO BE SOURCED FROM NEAREST LOCAL DISTRIBUTOR.
6. WATER FEATURE:
   - 6.1. WEIR TO BE CUSTOM WELDED $\frac{1}{4}$" PLATE STEEL. SEE SHEET 39.
   - 6.2. WEIR POWDER COAT TO BE FROM TIGER COATING. COLOR: 38/600080 - STATUARY BRONZE.
   - 6.3. PUMP TO BE CASCADE LOW RPM PUMP FROM PERFORMANCEPRO. MODEL: C1/8-22. VOLTAGE: 115V, 8' CORD. FRESH WATER.
   - 6.4. FILTER TO BE ARKAL 1 $\frac{1}{2}$" SHORT FILTER.
   - 6.5. INLET DRAIN TO BE IED SERIES - INLET FITTING FROM CRYSTAL FOUNTAINS.
   - 6.6. OUTLET DRAIN TO BE DSA SERIES - SUCTION DRAIN FROM CRYSTAL FOUNTAINS. MODEL: DSA200.
   - 6.7. PIPING TO BE TEKTUBE 1 $\frac{1}{2}$" PVC SCHEDULE 40 PIPE FROM NEAREST LOCAL DISTRIBUTOR.
   - 6.8. BASIN FILL TO BE MEXICAN BEACH PEBBLES FROM COLORADO MATERIALS. SIZE: 3"-5".
   - 6.9. BASIN TILE TO BE VIBRATO STRAIGT SET IN PEWTER FROM OCEANSIDE GLASS & TILE.
   - 6.10. WATER FEATURE BACKSPLASH TO BE REVERIE 1, REVERIE 2 AND REVERIE 3 TILE FROM ARIZONA TILE.
   - 6.11. VIBRATO TILE GROUT TO BE PRISM ULTIMATE PERFORMANCE GROUT FROM CUSTOM BUILDING PRODUCTS. COLOR: #60 - CHARCOAL.
   - 6.10. REVERIE TILE GROUT TO BE PRISM ULTIMATE PERFORMANCE GROUT FROM CUSTOM BUILDING PRODUCTS. COLOR: #381 - BRIGHT WHITE.
7. PLANTER BOX
   - 7.1. MANUFACTURED PLANTER BOX TO BE CUSTOM WELDED $\frac{1}{4}$" PLATE STEEL. SEE SHEET 44.
   - 7.2. PLANTER BOX POWDER COAT TO BE FROM TIGER COATING. COLOR: 38/600080 - STATUARY BRONZE.
8. DECK
   - 8.1. DECK FRAMING LUMBER TO BE PRESSURE TREATED AND SOURCED FROM NEAREST LOCAL DISTRIBUTOR.
   - 8.2. JOIST AND BEAM PROTECTOR TO BE TREX-PROTECT JOIST AND BEAM TAPE.
   - 8.3. DECKING TO BE TREX TRANSCEND 1" GROOVED EDGE BOARD. COLOR: LAVA ROCK & SPICED RUM.
   - 8.4. DECK FASCIA TO BE TREX TRANSCEND 1"X8"X12' AND 1"X12"X12' FASCIA. COLOR: LAVA ROCK. AND TREX $\frac{1}{2}$"X48"X96" LATTICE. COLOR: BLACK. PATTERN: T12-CAPITAL.
   - 8.5. DECKING FASTENERS TO BE TREX HIDEAWAY UNIVERSAL HIDDEN FASTENERS.
   - 8.6. DECK RAILING TO BE TREX SIGNATURE RAILING; ALUMINUM CROSSOVER POSTS, ALUMINUM RAILING, SQUARE BALUSTERS. COLOR: CHARCOAL BLACK.
   - 8.7. DECK STAIR STRINGERS TO BE CUSTOM MADE. SEE SHEET 61.
   - 8.8. DECK FRAMING CONNECTORS TO BE SOURCED FROM SIMPSON STRONG-TIE. SEE DECK DETAILS FOR SPECIFIC FRAMING CONNECTORS.
9. SHADE STRUCTURE
   - 9.1. SHADE STRUCTURE TO BE ECLIPSE SERIES - FRAMED SOLAR SHADE SYSTEM FROM PARASOLEIL. SIZE: 12'X15'. FRAME COLOR: RAVEN. PANEL COLOR: NATIVE TURQUOISE (NTQ). PANEL PATTERN: SAMPOERNA.
10. AGGREGATE PATH
    - 10.1. PATH TO BE MAROON BREEZE FROM CRYSTAL LANDSCAPE SUPPLIES.
    - 10.2. PATH EDGING TO BE PERMASTRIP FROM PERMALOC. COLOR: BL-BLACK DURAFLEX. HEIGHT: 4".

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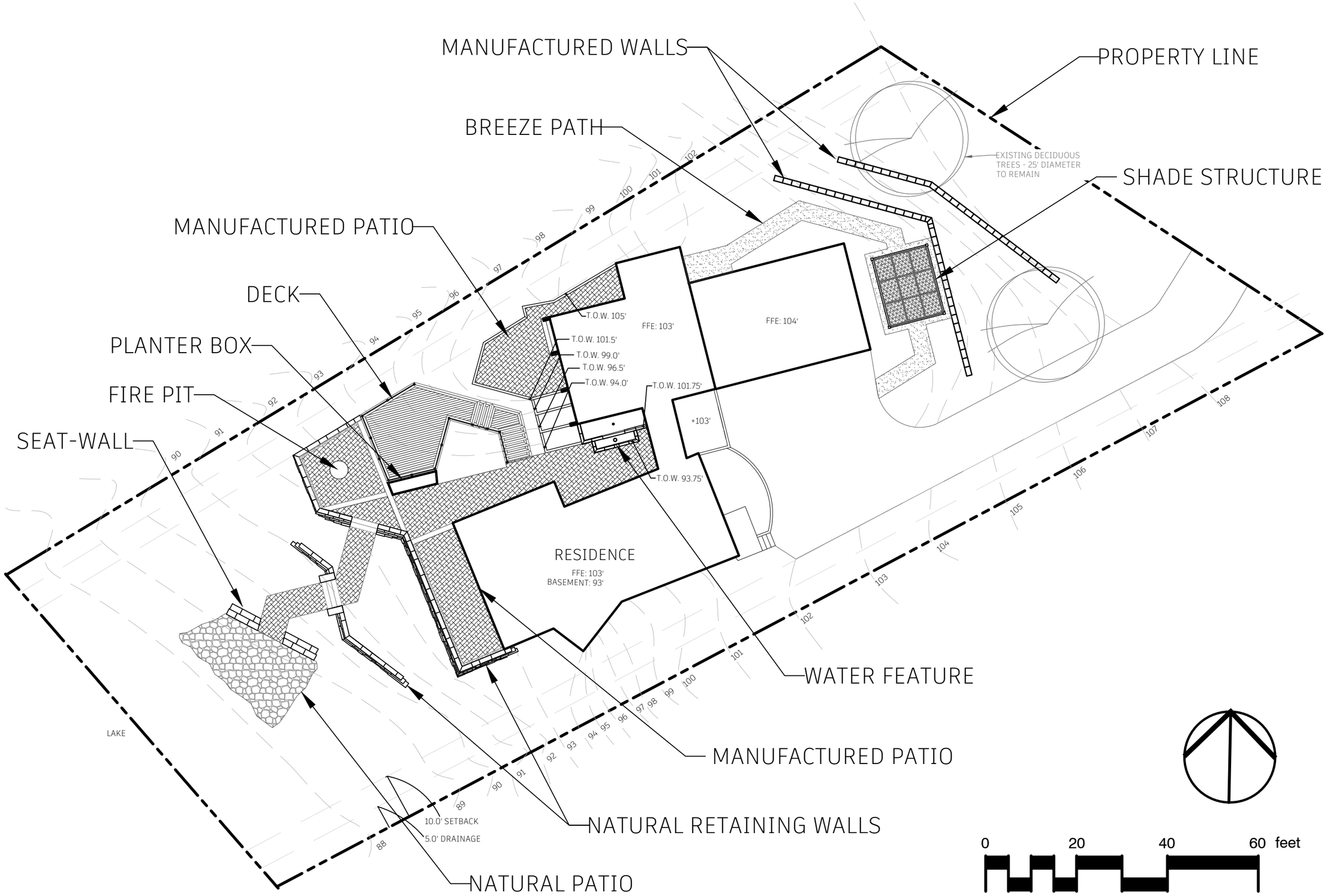

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L-3
SITE PLAN
3 OF 75

BASINS

MANUFACTURED
PAVER PATH
SEE SHEET 8

CUT FLAGSTONE TO
HAVE STRAIGHT EDGE
CONTACT WITH
MANUFACTURED PATH

POB

22°

26'-7½"

37'-6"

28°

MANUFACTURED PAVER PATIO
SEE SHEET 8

SEAT-WALL
SEE SHEET 24

T.O. PATIO
SURFACE +88.5'

0 5 10 16 feet

3/16" = 1'-0"

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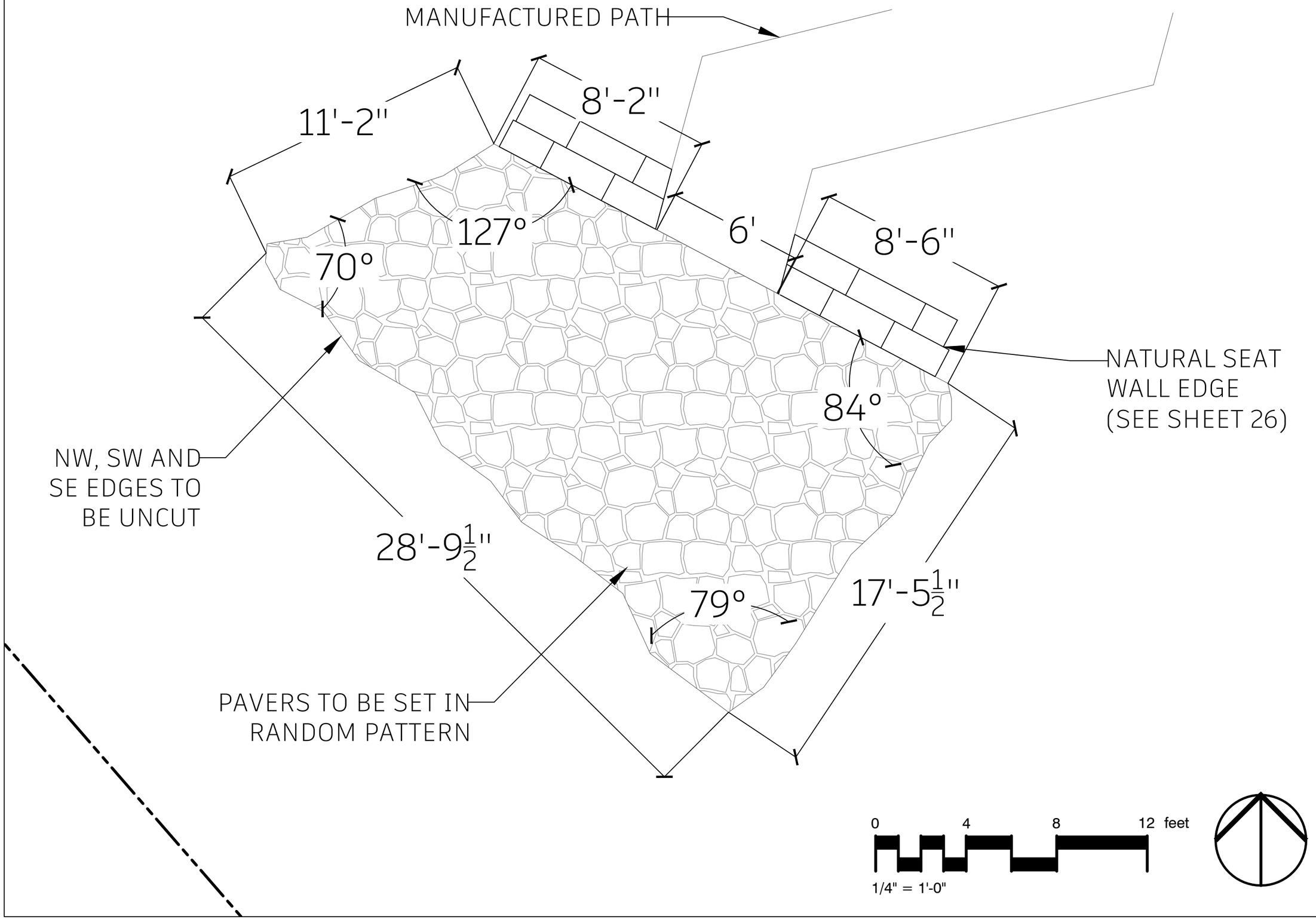
L-4

NATURAL PATIO LAYOUT



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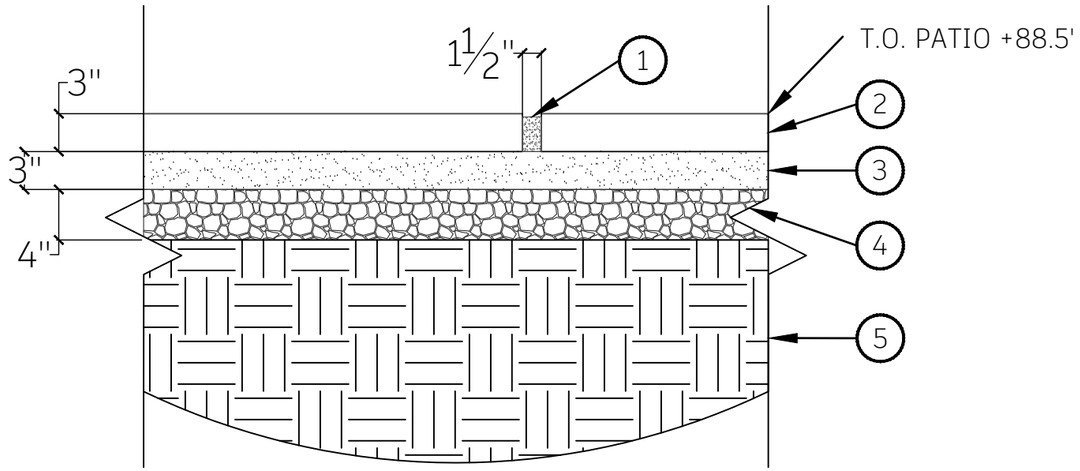
L-5

NATURAL PATIO DIM



1. POLYMERIC DUST FILLED JOINTS (SEE NOTES)
2. FLAGSTONE
3. SAND SETTING BED
4. CRUSHED AGGREGATE ROAD BASE
5. COMPACTED SOIL

NOTES:

1. SEE MATERIAL SCHEDULE FOR FLAGSTONE MATERIAL, CRUSHED AGGREGATE ROAD BASE, SAND SETTING BED AND JOINT MATERIAL
2. FLAGSTONE LAYOUT PATTERN TO BE DETERMINED BY CONTRACTOR SO AS TO MAINTAIN ACCEPTABLE JOINT SPACING.
3. JOINT SPACING TO BE 1" - 1½".
4. MATERIALS TO BE SOURCED LOCALLY. ACTUAL MATERIAL MAY VARY FROM SAMPLES SHOWN TO CLIENT.
5. COMPACTION OF ROAD BASE TO OCCUR IN 2” LIFTS.

1 NATURAL PATIO SETTING DETAIL

SCALE: 1" = 1'-0"

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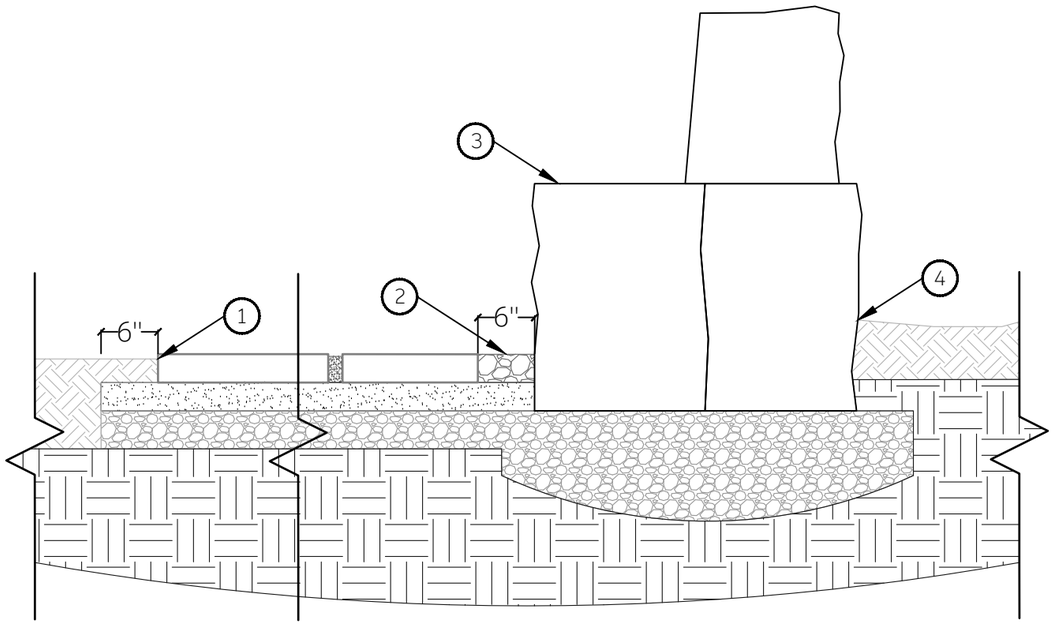
L-6
NATURAL PATIO SETTING DETAIL



1. FINISH GRADE - FLAGSTONE EDGING (SEE NOTES)
2. AGGREGATE ROCK EDGING
3. NATURAL SEAT WALL (SEE SHEET 26)
4. FINISH GRADE - BUFF BOULDER EDGING (SEE NOTES)

NOTES:

1. SEE MATERIAL SCHEDULE FOR BUFF BOULDER MATERIAL AND AGGREGATE ROCK EDGING.
2. AGGREGATE ROCK EDGING TO BE 5"-6" WIDE.
3. SAND SETTING BED AND CRUSHED AGGREGATE TO EXTEND 5-6" PAST OUTER SIDE OF EDGING.
4. FINISH GRADE ON OUTER EDGE OF BUFF BOULDER EDGING TO BE MINIMUM 6" ABOVE AGGREGATE BASE.
5. FINISH GRADE ON OUTER EDGE OF FLAGSTONE EDGING TO BE $\frac{1}{2}$" BELOW SURFACE.
6. COMPACTION OF AGGREGATE BASE TO OCCUR IN 2" LIFTS.
7. MATERIALS TO BE SOURCED LOCALLY. ACTUAL MATERIAL MAY VARY FROM SAMPLES SHOWN TO CLIENT.

2 NATURAL PATIO EDGE & SEAT DETAIL

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

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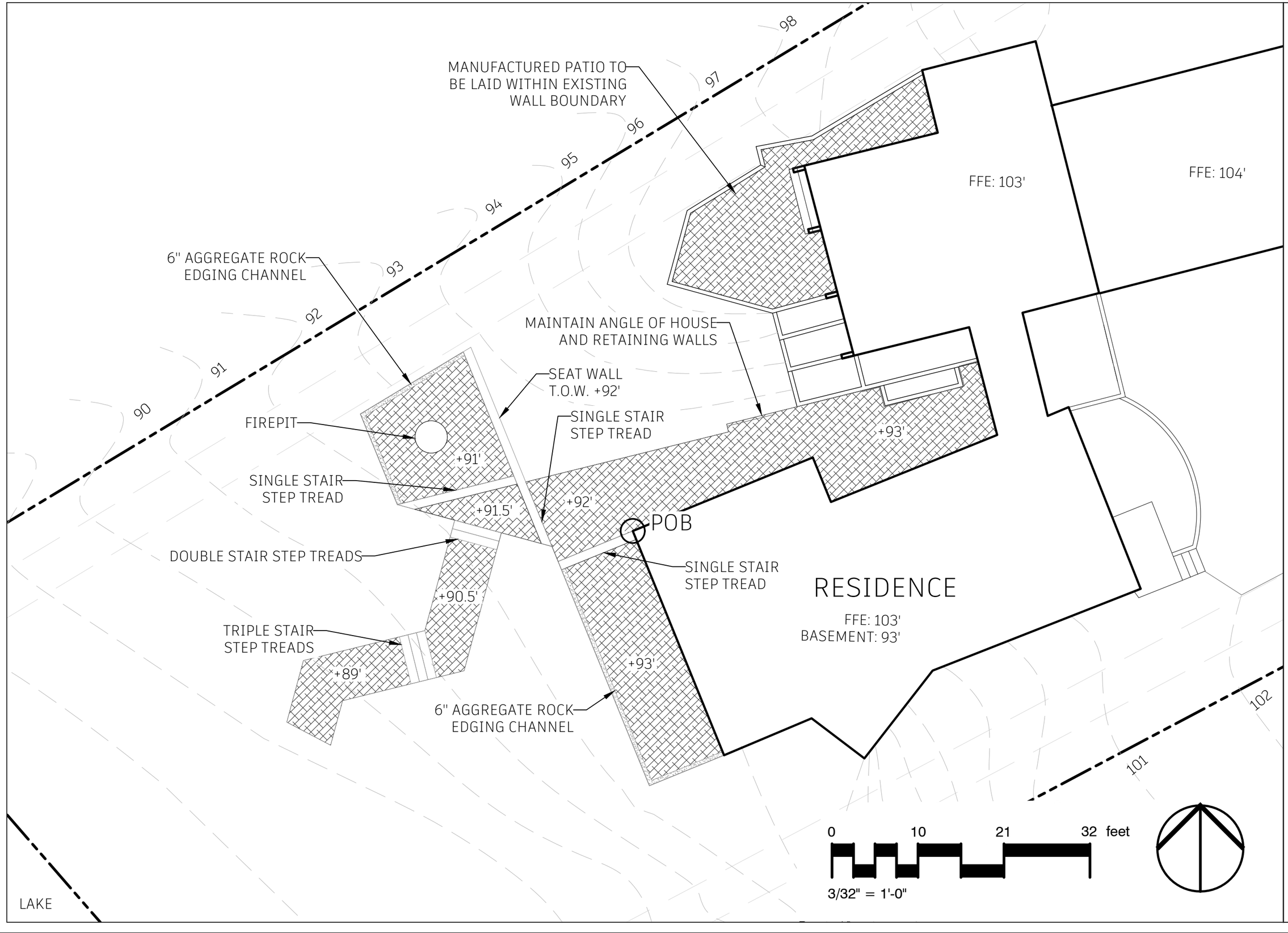
L-7
NATURAL PATIO EDGE DETAIL
7 OF 75



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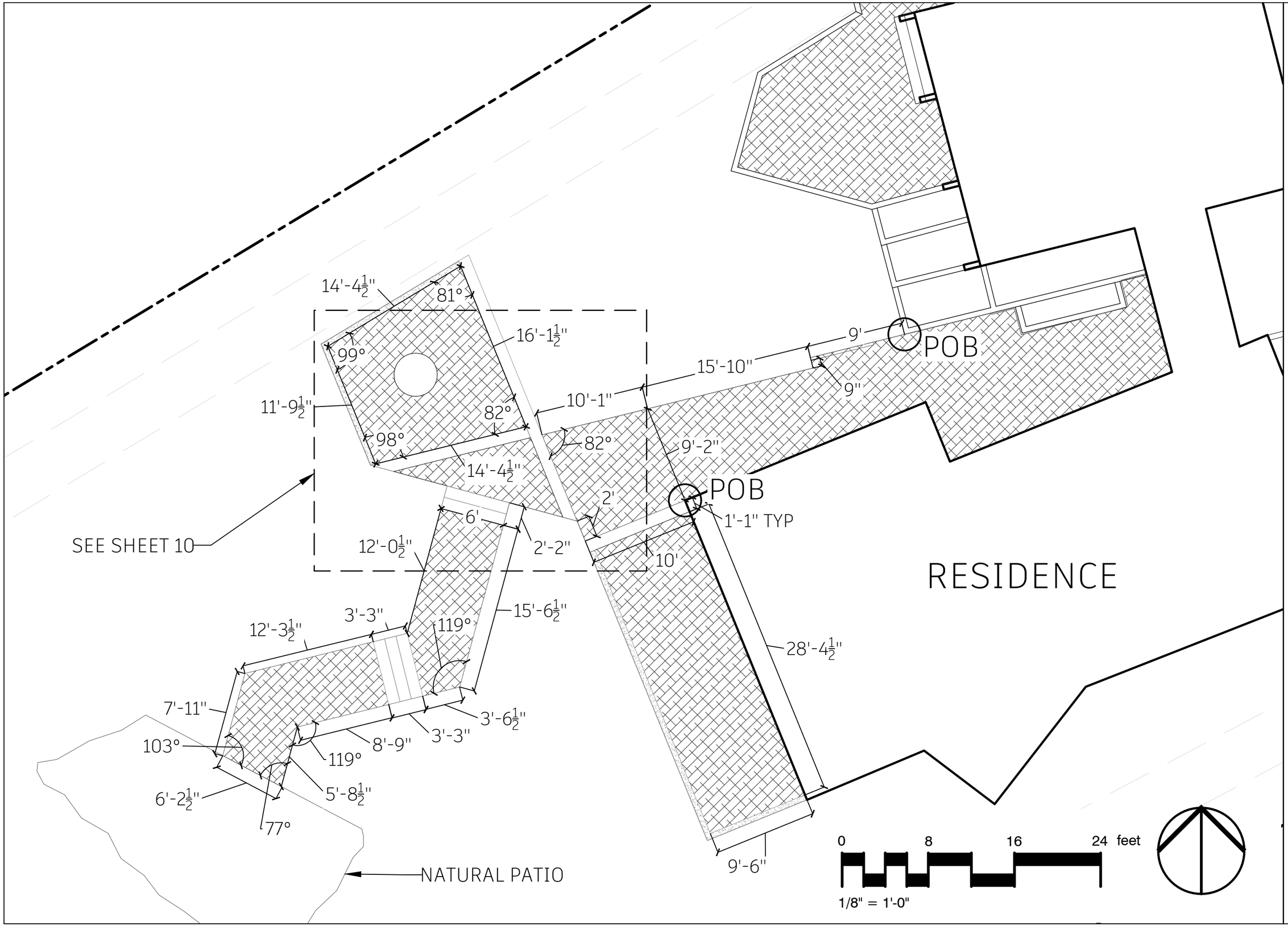
L-8

MFG. PATIO LAYOUT
8 OF 75



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L-9

MFG. PATIO DIMENSIONS
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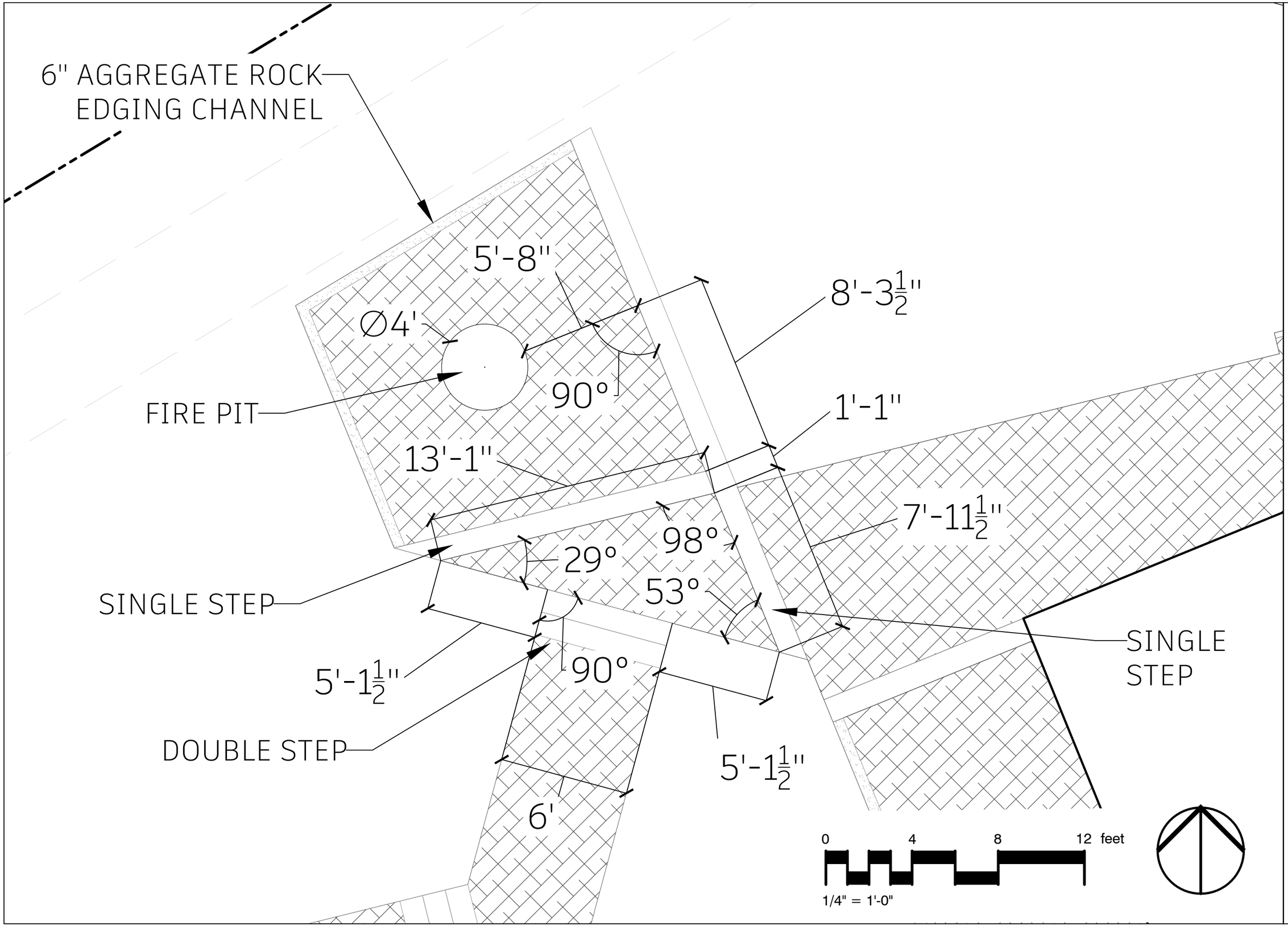

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L-10

MFG. PATIO DIM DETAIL
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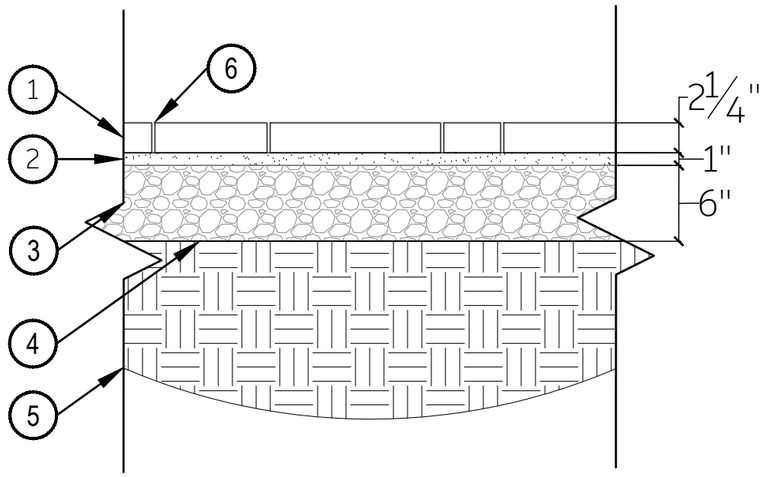

1. PAVERS (SEE NOTES)
2. SAND SETTING BED
3. CRUSHED AGGREGATE ROAD BASE
4. FILTER FABRIC
5. COMPACTED SOIL
6. PAVER JOINTS (SEE NOTES)

NOTES:

1. SEE MATERIAL SCHEDULE FOR PAVER MATERIAL, SAND SETTING BED, CRUSHED AGGREGATE ROAD BASE, FILTER FABRIC AND JOINT MATERIAL.
2. SEE MANUFACTURED PAVER LAYOUT DETAIL FOR PAVER LAYOUT DESIGN.
3. JOINT SPACING TO BE $\frac{1}{4}$".
4. PATIO TO BE BROOM SWEPT WITH JOINT MATERIAL.
5. GEOTEXTILE FABRIC TO BE FROM NEAREST DISTRIBUTOR.
6. COMPACTION OF AGGREGATE BASE TO OCCUR IN 2" LIFTS.

3 MANUFACTURED PATIO & PATH SETTING DETAIL

SCALE: 1" = 1'-0"

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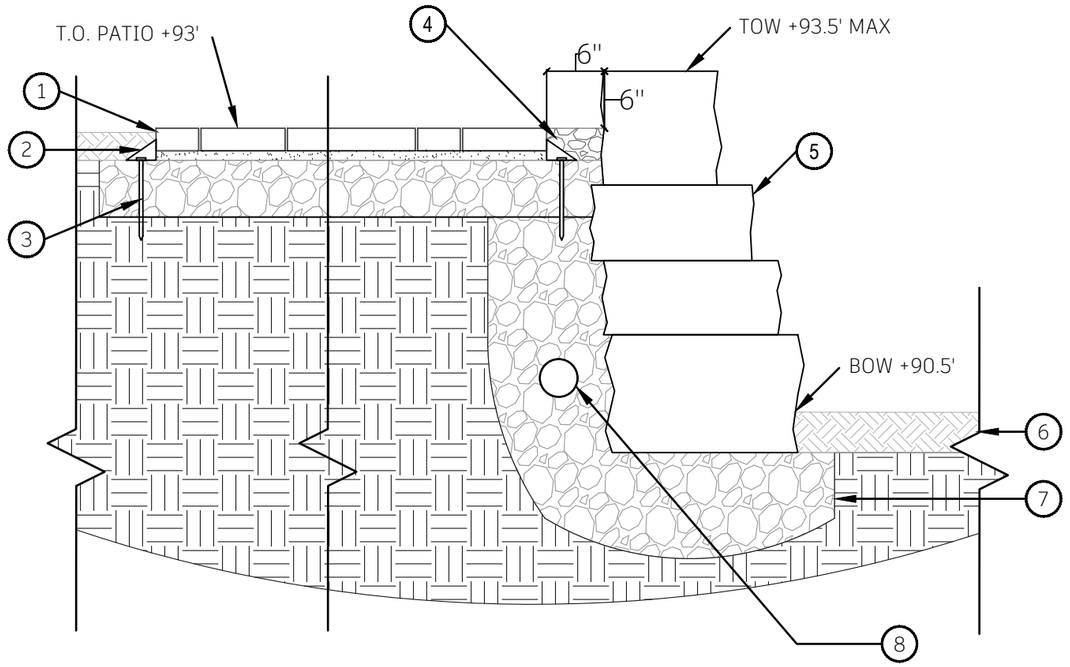
MFG. PATIO SETTING DETAIL



1. FINISH GRADE - NON-WALL EDGE (SEE NOTES)
2. EDGE RESTRAINT (SEE NOTES)
3. GALVANIZED SPIKE (SEE NOTES)
4. AGGREGATE ROCK EDGING
5. NATURAL WALL (SEE SHEET 21)
6. TOPSOIL
7. CRUSHED AGGREGATE ROAD BASE
8. 4" CORRUGATED PIPE

NOTES:
1. SEE MATERIAL SCHEDULE FOR AGGREGATE ROCK EDGING MATERIAL.
2. EDGE RESTRAINT AND
3. AGGREGATE ROCK EDGING TO BE 6" WIDE.
4. CRUSHED AGGREGATE ROAD BASE TO EXTEND MINIMUM 6" BEYOND NON-WALL EDGE OF MANUFACTURED PATIO AND PATH.
5. COMPACTION OF AGGREGATE BASE TO OCCUR IN 6" LIFTS.

4 MANUFACTURED PATIO EDGE DETAIL

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

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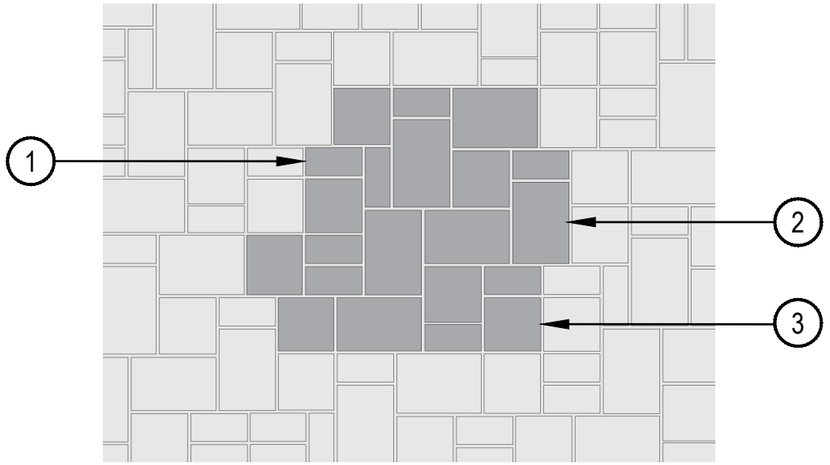

1. $4\frac{1}{2}$" X $8\frac{7}{8}$" X $2\frac{3}{8}$" - SMALL RECTANGLE
2. $8\frac{7}{8}$" X $13\frac{3}{8}$" X $2\frac{3}{8}$" - LARGE RECTANGLE
3. $8\frac{7}{8}$" X $8\frac{7}{8}$" X $8\frac{7}{8}$" - SQUARE

NOTES:

1. MAINTAIN GAPS OF $\frac{1}{4}$" BETWEEN PAVERS.
2. CONTRACTOR SHALL SELECT PAVERS SIMULTANEOUSLY FROM MORE THAN ONE BUNDLE IN A VERTICAL FASHION TO MIX THE COLOR EFFICIENTLY OVER THE ENTIRE INSTALLATION.

5 MANUFACTURED PAVER LAYOUT DETAIL

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

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L-13
MFG. PATIO PATTERN DETAIL
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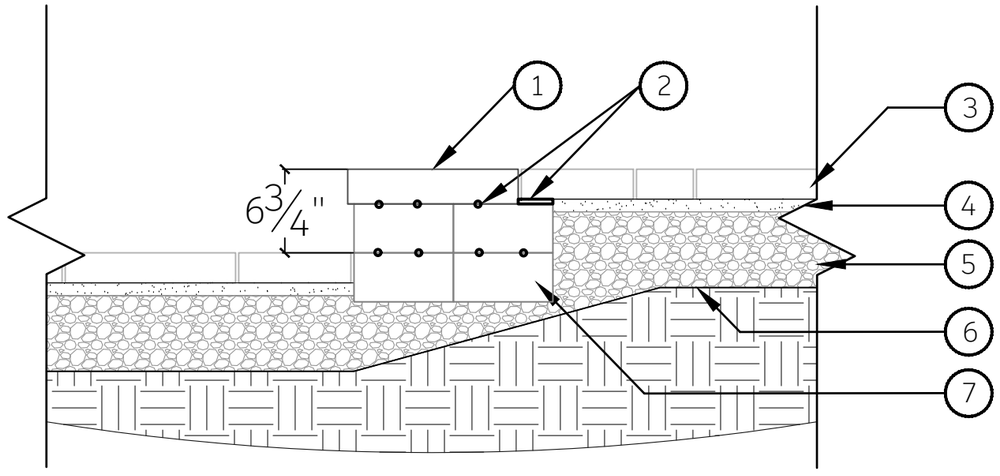

1. STAIR TREAD
2. CONCRETE ADHESIVE (SEE NOTES)
3. PAVERS
4. SAND SETTING BED
5. CRUSHED AGGREGATE ROAD BASE
6. FIILTER FABRIC
7. DIMENSIONAL STONE

NOTES:

1. SEE MATERIAL SCHEDULE FOR STAIR TREAD, PAVER, FILTER FABRIC AND DIMENSIONAL STONE MATERIAL.S.
2. JOINTS BETWEEN STAIR TREADS TO BE AS TIGHT AS POSSIBLE OR TO BE A $\frac{3}{16}$" GAP AMENDED WITH AN EXTERIOR LATEX CAULKING. IF NEEDED, LATEX CAULKING IS TO BE SOURCED FROM LOCAL DISTRIBUTOR.
3. CUTTING MAY BE REQUIRED. A DIAMOND BLADE SAW IS REQUIRED TO CUT STAIR TREAD PROPERLY.
4. SLOPE STAIR TREAD UNITS SLIGHTLY FROM BACK TO FRONT TO PREVENT POOLING OF WATER ON THE SURFACE.

6 MANUFACTURED PATIO SINGLE STAIR DETAIL

SCALE: 1" = 1'-0"

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MFG. PATIO SINGLE STAIR
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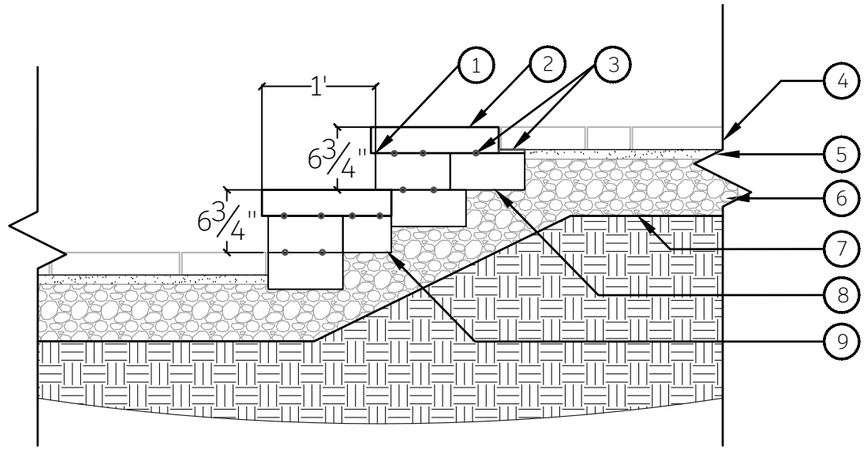

1. $\frac{1}{2}$" TOE CAP
2. STAIR TREAD
3. CONCRETE ADHESIVE
4. PAVERS
5. SAND SETTING BED
6. CRUSHED AGGREGATE ROAD BASE
7. FILTER FABRIC
8. DIMENSIONAL STONE
9. CUT DIMENSIONAL STONE

NOTES:

1. SEE MATERIAL SCHEDULE FOR STAIR TREAD, PAVER, FILTER FABRIC AND DIMENSIONAL STONE MATERIAL.S.
2. JOINTS BETWEEN STAIR TREADS TO BE AS TIGHT AS POSSIBLE OR TO BE A $\frac{3}{16}$" GAP AMENDED WITH AN EXTERIOR LATEX CAULKING. IF NEEDED, LATEX CAULKING IS TO BE SOURCED FROM LOCAL DISTRIBUTOR.
3. CUTTING MAY BE REQUIRED FOR STAIR TREADS. CUTTING IS REQUIRED FOR DIMENSIONAL STONE. A DIAMOND BLADE SAW IS REQUIRED TO CUT STAIR TREAD AND DIMENSIONAL STONE PROPERLY.
4. SLOPE STAIR TREAD UNITS SLIGHTLY FROM BACK TO FRONT TO PREVENT POOLING OF WATER ON THE SURFACE.

7 MANUFACTURED PATIO DOUBLE STAIR DETAIL

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

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MFG. PATIO DOUBLE STAIR
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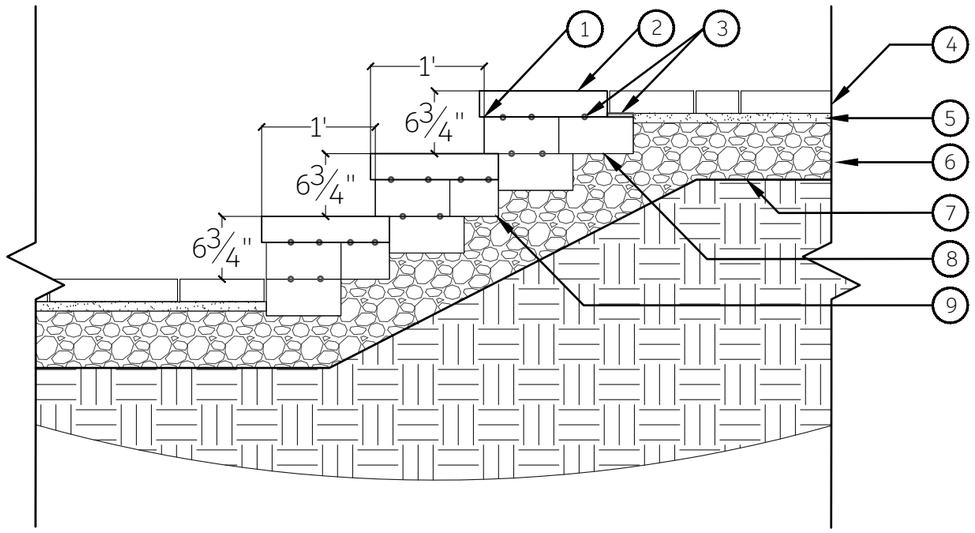

1. $\frac{1}{2}$" TOE CAP
2. STAIR TREAD
3. CONCRETE ADHESIVE
4. PAVERS
5. SAND SETTING BED
6. CRUSHED AGGREGATE ROAD BASE
7. FILTER FABRIC
8. DIMENSIONAL STONE
9. CUT DIMENSIONAL STONE

NOTES:

1. SEE MATERIAL SCHEDULE FOR STAIR TREAD, PAVER, FILTER FABRIC AND DIMENSIONAL STONE MATERIALS.
2. JOINTS BETWEEN STAIR TREADS TO BE AS TIGHT AS POSSIBLE OR TO BE A $\frac{3}{16}$" GAP AMENDED WITH AN EXTERIOR LATEX CAULKING. IF NEEDED, LATEX CAULKING IS TO BE SOURCED FROM LOCAL DISTRIBUTOR.
3. CUTTING MAY BE REQUIRED FOR STAIR TREADS. CUTTING IS REQUIRED FOR DIMENSIONAL STONE. A DIAMOND BLADE SAW IS REQUIRED TO CUT STAIR TREAD AND DIMENSIONAL STONE PROPERLY.
4. SLOPE STAIR TREAD UNITS SLIGHTLY FROM BACK TO FRONT TO PREVENT POOLING OF WATER ON THE SURFACE.

8 MANUFACTURED PATIO TRIPLE STAIR DETAIL

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

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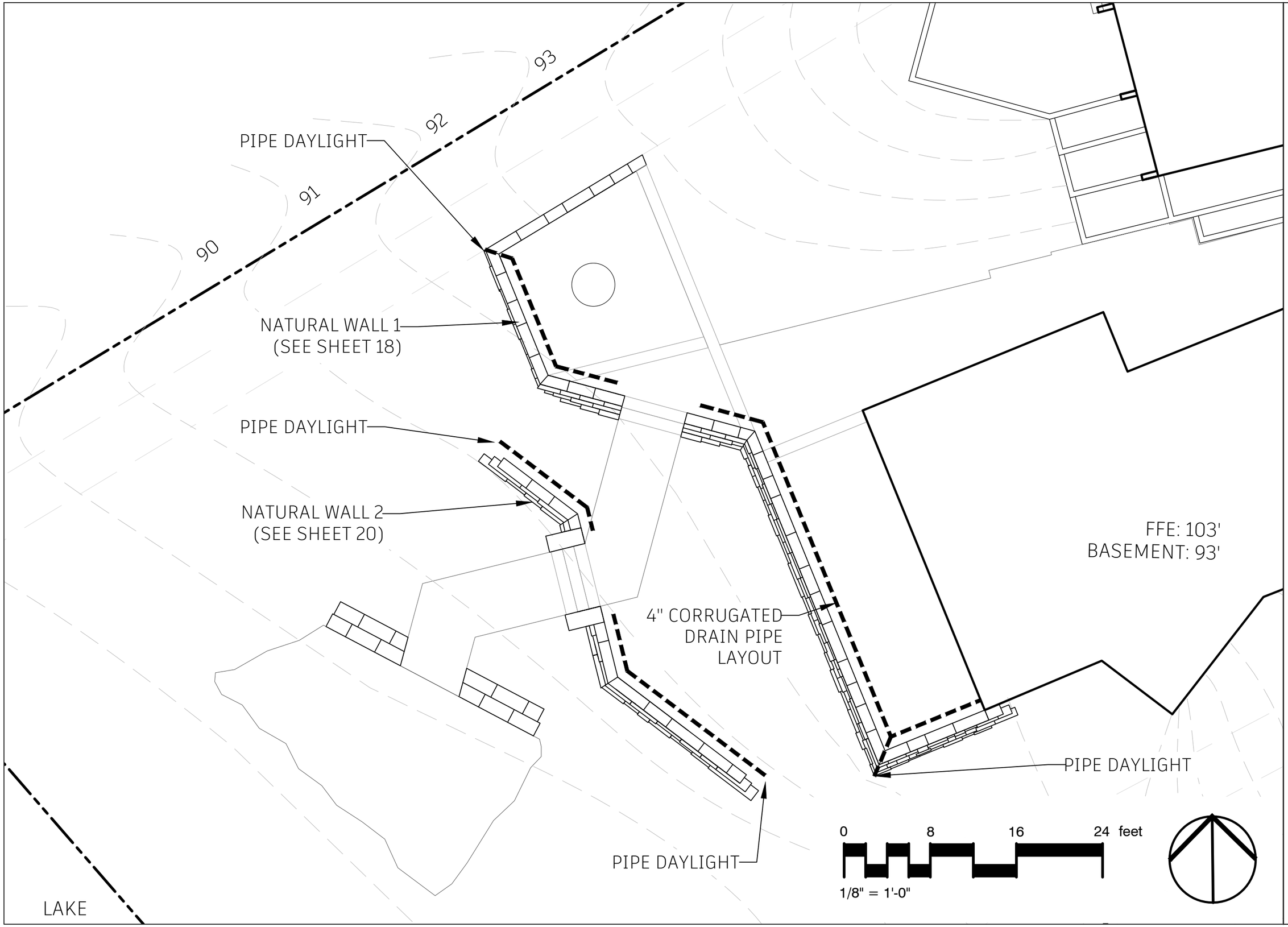
L-16
MFG. PATIO TRIPLE STAIR
16 OF 75



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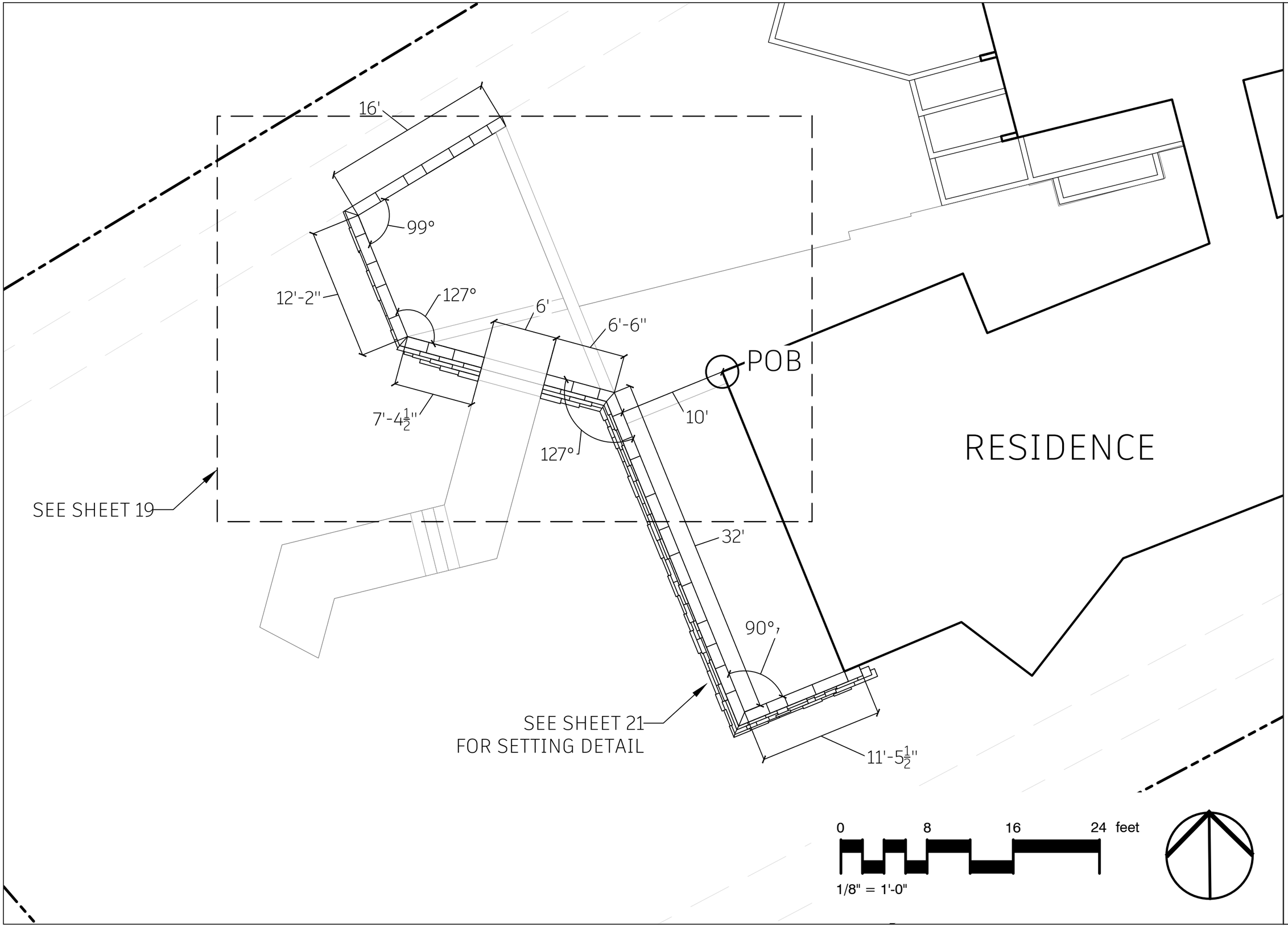
L-17
NATURAL WALL LAYOUT
17 OF 75



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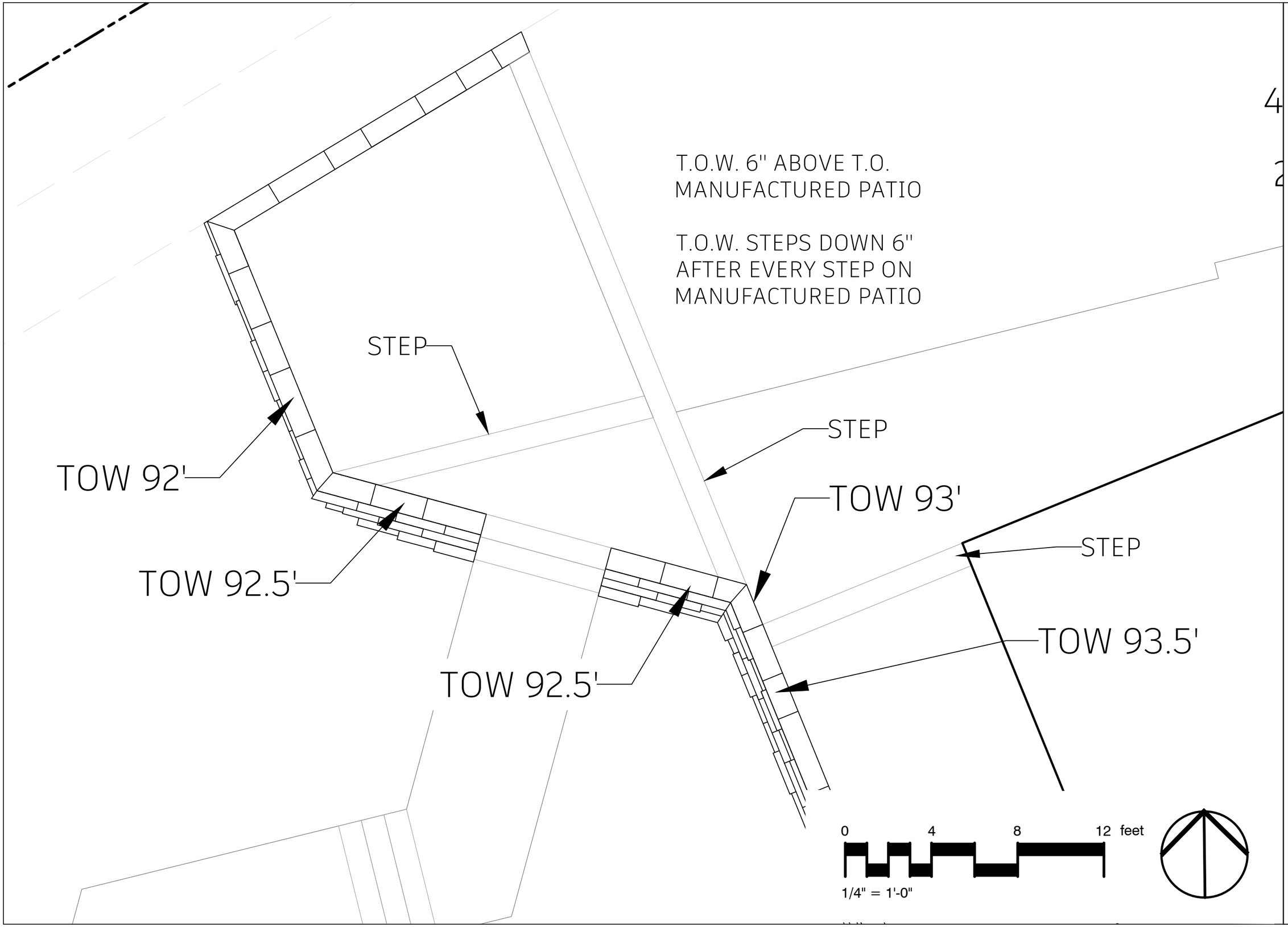
L-18
NATURAL WALL 1 LAYOUT
18 OF 75



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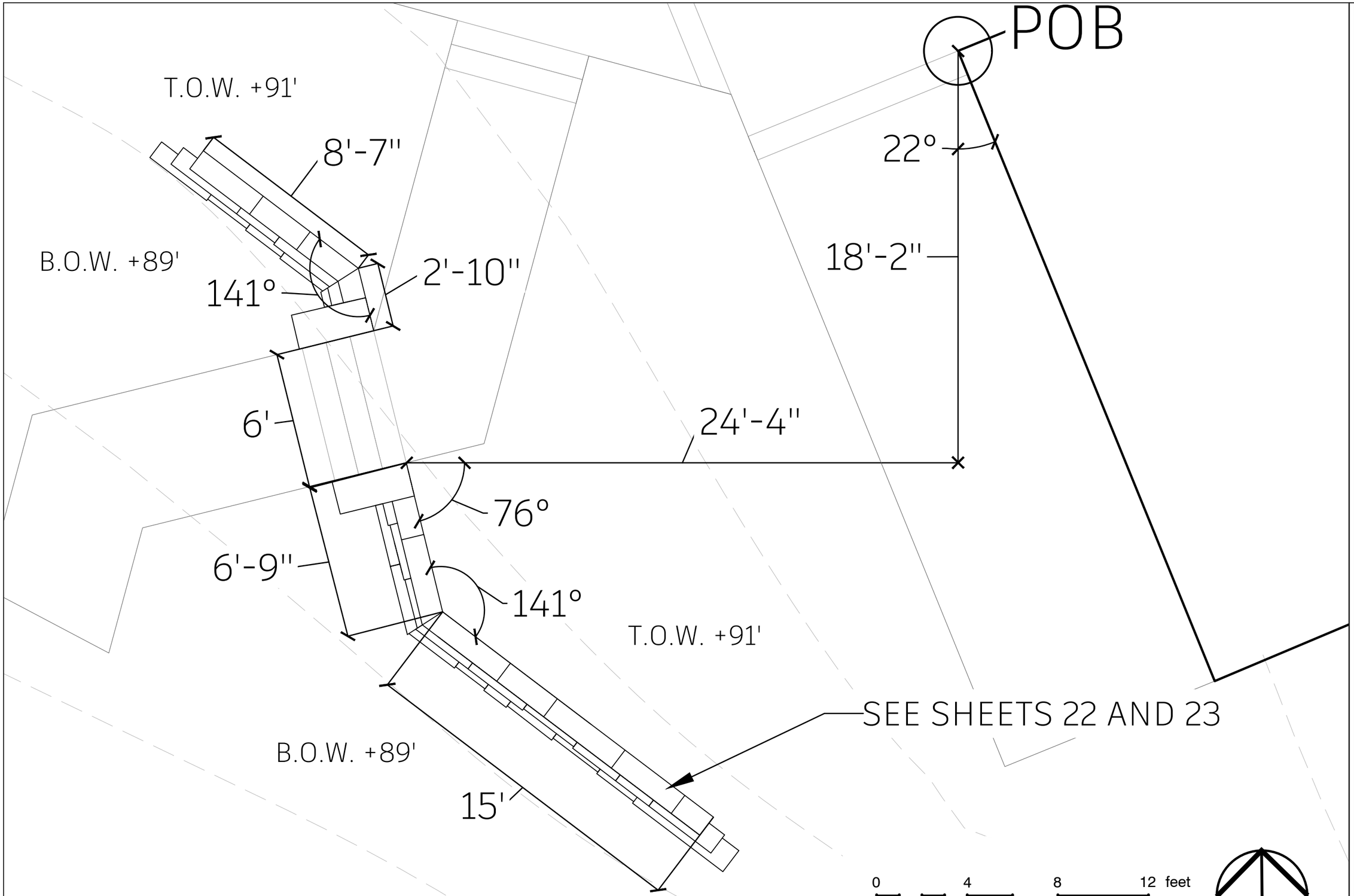
L-19
NATURAL WALL 1 LAYOUT DETAIL
19 OF 75



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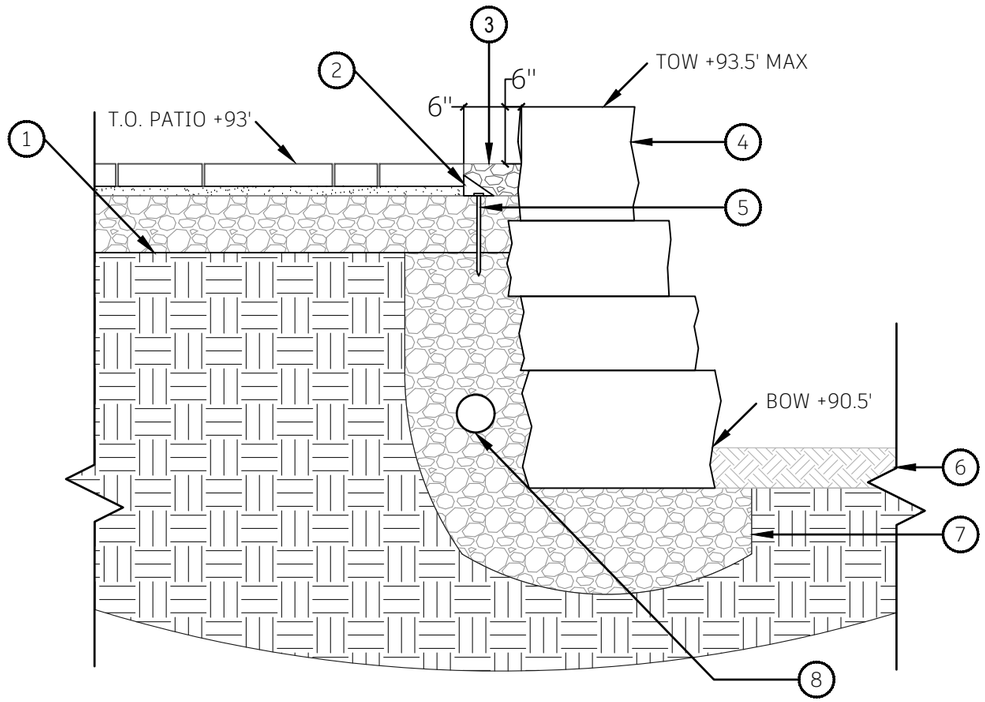
L-20

NATURAL WALL 2 LAYOUT
20 OF 75



1. FILTER FABRIC
2. EDGE RESTRAINT
3. AGGREGATE EDGING
4. BUFF BOULDERS
5. GALVANIZED SPIKE
6. TOP SOIL
7. COMPACTED AGGREGATE
8. 4" CORRUGATED PIPE

NOTES:

1. SEE MATERIAL SCHEDULE FOR BUFF BOULDER MATERIAL
2. TOPMOST BUFF BOULDERS TO BE APPROXIMATELY 1' HIGH AND 1' WIDE. LENGTHS MAY VARY.
3. BASE BUFF BOULDERS TO BE APPROXIMATELY 8-12" HIGH, WIDTHS AND LENGTHS MAY VARY.
4. BATTER TO BE APPROXIMATELY 2-4". BATTER TO INCREASE ON EITHER SIDE OF MANUFACTURED PATIO DOUBLE STAIR.
3. BUFF BOULDERS MAY BE CUT TO FIT IF NEEDED. HAMMERED-EDGE FINISHING.
4. AGGREGATE ROCK EDGING TO BE 6" WIDE.
5. CORRUGATED PIPE TO LAID BEHIND WALL, BEGINNING 1' FROM WALKWAY STAIRS AND DAYLIGHING AT 90° CORNERS OF PATIO. PIPE TO MAINTAIN MIN 1% SLOPE TOWARDS DAYLIGHT.
6. COMPACTION OF AGGREGATE BASE TO OCCUR IN 6-8" LIFTS.

9 NATURAL RETAINING WALL 1

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

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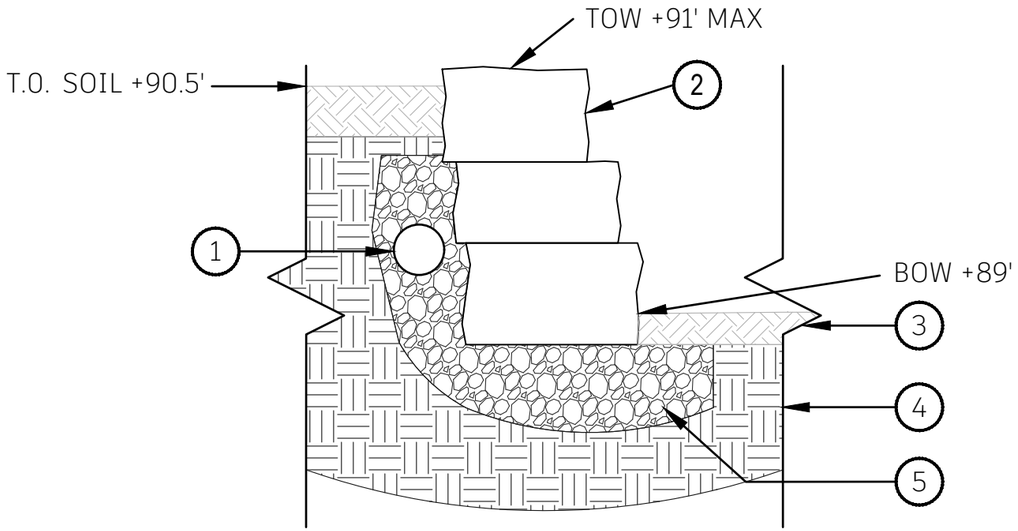
L-21
NATURAL WALL 1 SECTION
21 OF 75



1. 4" CORRUGATED DRAIN PIPE
2. BUFF BOULDERS (SEE NOTE)
3. TOP SOIL
4. COMPACTED SOIL
5. CRUSHED AGGREGATE ROAD BASE

NOTES:

1. SEE MATERIAL SCHEDULE FOR BUFF BOULDER MATERIAL.
2. BUFF BOULDERS TO BE APPROXIMATELY 8-6" HIGH AND 1' WIDE. LENGTHS MAY VARY.
3. BUFF BOULDERS FRAMING MANUFACTURED PATH TRIPLE STAIR TO BE 1.5' WIDE, MINIMUM 2.5' HIGH, APPROXIMATELY 3 $\frac{1}{2}$' LONG. PLACED PERPENDICULAR TO WALL BOULDERS.
4. BUFF BOULDERS MAY BE CUT TO FIT IF NEEDED. HAMMERED-EDGE FINISHING.
5. BATTER TO BE APPROXIMATELY 4-6".
6. CORRUGATED PIPE TO BE LAID BEHIND WALL, BEGINNING 1' FROM WALKWAY STAIRS AND DAYLIGHING AT TERMINAL END. PIPE TO MAINTAIN MIN 1% SLOPE TOWARDS DAYLIGHT.
7. COMPACTION OF AGGREGATE BASE TO OCCUR IN 6-8" LIFTS.

10 NATURAL RETAINING WALL 2

SCALE: 1" = 1'-0"

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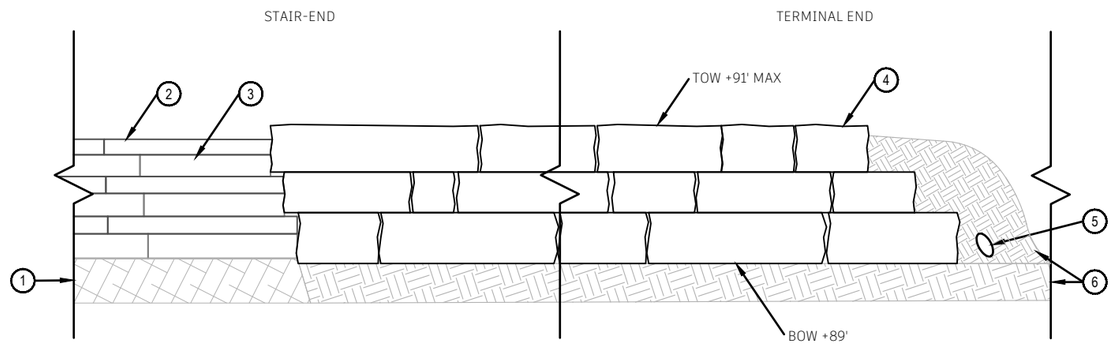
L-22

NATURAL WALL 2 SECTION
22 OF 75

NOTES:
1. EDGES OF LEDGESTONE STAIR TREADS AND LINEO DIMENSIONAL STONES TO BE CUT TO FIT AGAINST BUFF BOULDERS.



1. TREO PAVERS
2. LEDGESTONE STAIR TREADS
3. LINEO DIMENSIONAL STONE
4. BUFF BOULDERS
5. CORRUGATED PIPE DAYLIGHT
6. TOP SOIL

11 NATURAL WALL 2 ELEVATION

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

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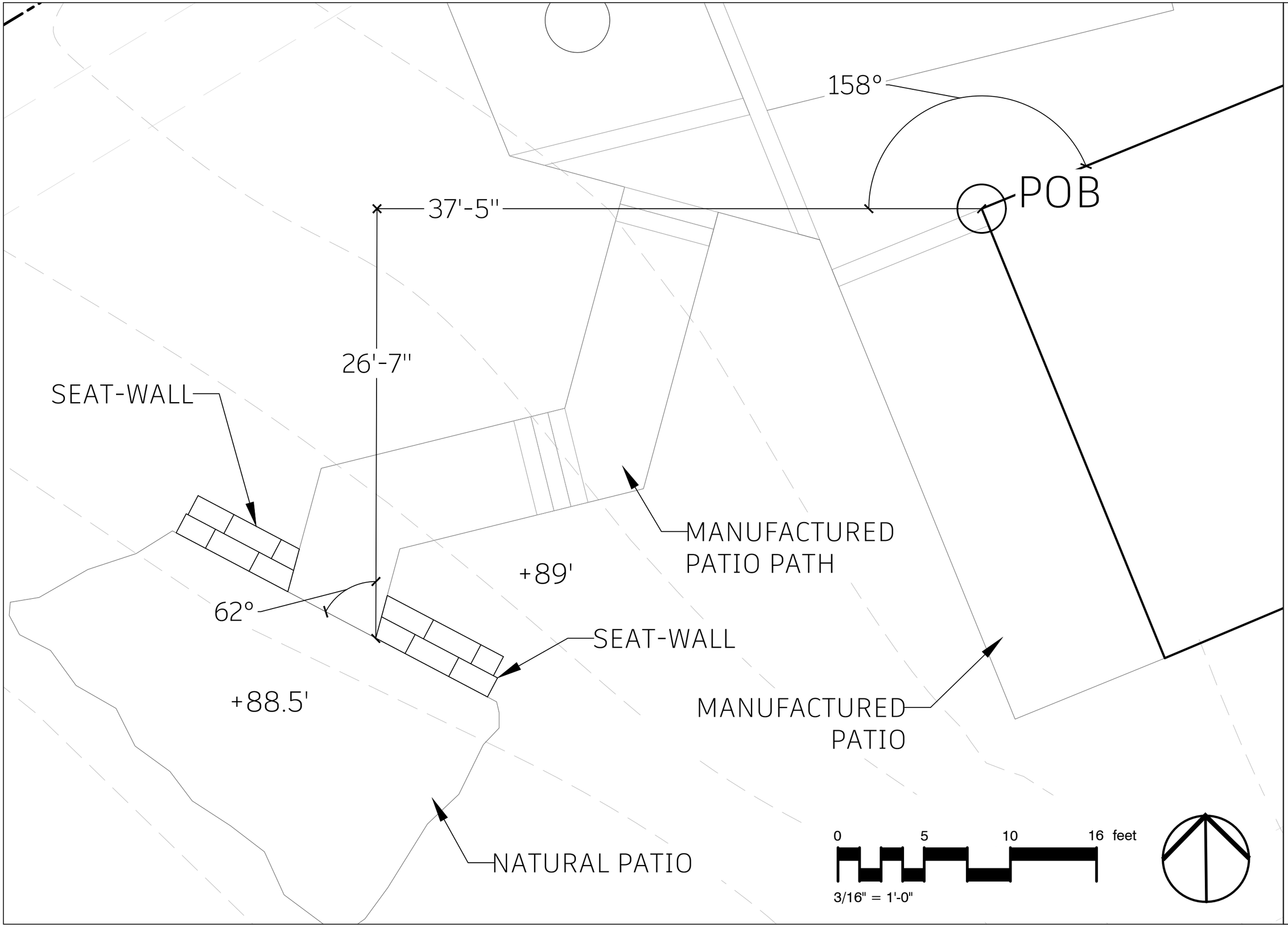
L-23
NATURAL WALL 2 ELEVATION
23 OF 75



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L-24
SEAT WALL LAYOUT
24 OF 75

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SEE SHEET 26

7'-10"

7'-10"

6'-2"

2'-8"

0 4 8 12 feet

1/4" = 1'-0"

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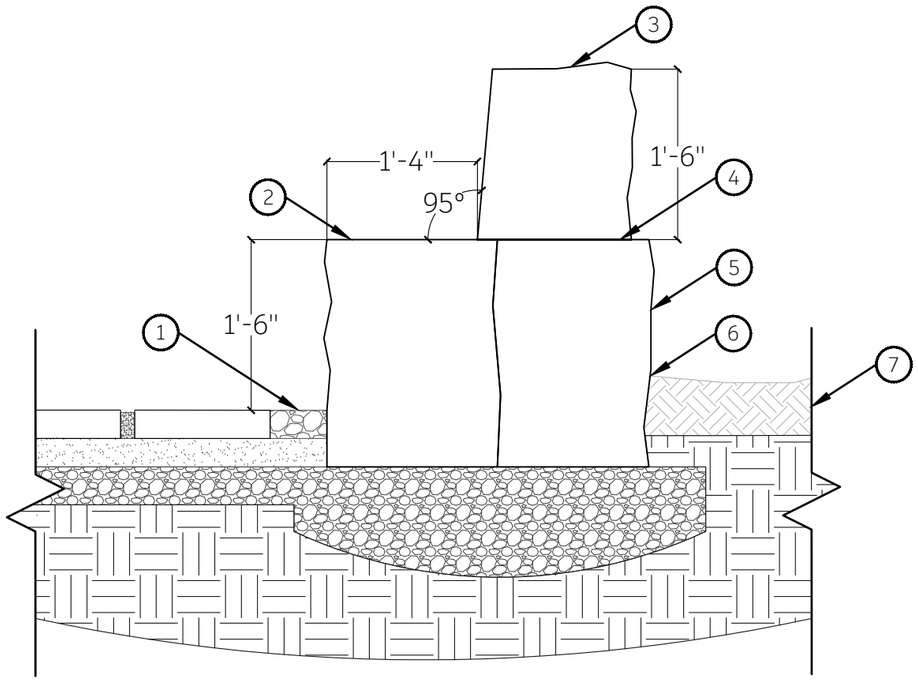
L-25
SEAT WALL DIM
25 OF 75



1. AGGREGATE ROCK EDGING (SEE SHEET 7)
2. SEAT-BASE BUFF BOULDER (SEE NOTES)
3. SEAT-BACK BUFF BOULDER (SEE NOTES)
4. STONE ADHESIVE
5. BASE BUFF BOULDER (SEE NOTES)
6. FINISH GRADE - BUFF BOULDER EDGING (SEE NOTES)
7. TOP SOIL

NOTES:

1. SEE MATERIAL SCHEDULE FOR BUFF BOULDER MATERIALS AND AGGREGATGE ROCK EDGING MATEIRALS.
2. SEAT-BASE BUFF BOULDER TO BE MIN 2' HIGH AND APPROXIMATELY 1 1/2' WIDE, LENGTHS MAY VARY. SAW-CUT FLAT ON TOP-FACING 1 1/2' SIDE.
3. SEAT-BACK BUFF BOULDER TO BE MIN 1 1/2' HIGH AND APPROXIMATELY 1 1/2' WIDE, LENGTHS MAY VARY. SAW-CUT FLAT ON BOTTOM-FACING 1 1/2' SIDE, AND SAW-CUT AT APPROXIMATELY 95° ON ADJACENT 1 1/2' SIDE.
4. BASE BUFF BOULDER TO BE MIN 2' HIGH AND 1 1/3' WIDE, LENGTHS MAY VARY. SAW-CUT FLAT ON TOP-FACING 1 1/3' SIDE.
5. SEAT-BASE AND BASE BUFF BOULDER TO BE PLACED ADJACENT AND LEVEL TO EACH OTHER. SEAT-BACK BUFF BOULDER TO HAVE 1-2" BATTER TO BACK SIDE OF BASE BUFF BOULDER. STONE ADHESIVE TO BE PLACED BETWEEN SEAT-BACK AND BASE BUFF BOULDERS.
6. FINISH GRADE ON OUTER EDGE OF BUFF BOULDER EDGING TO BE MINIMUM 6" ABOVE AGGREGATE BASE.
7. COMPACTION OF AGGREGATE BASE TO OCCUR IN 6-8" LIFTS.
8. MATERIALS TO BE SOURCED LOCALLY. ACTUAL MATERIAL MAY VARY FROM SAMPLES SHOWN TO CLIENT.

12 SEAT WALL SECTION DETAIL

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

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SEAT WALL SECTION DETAIL
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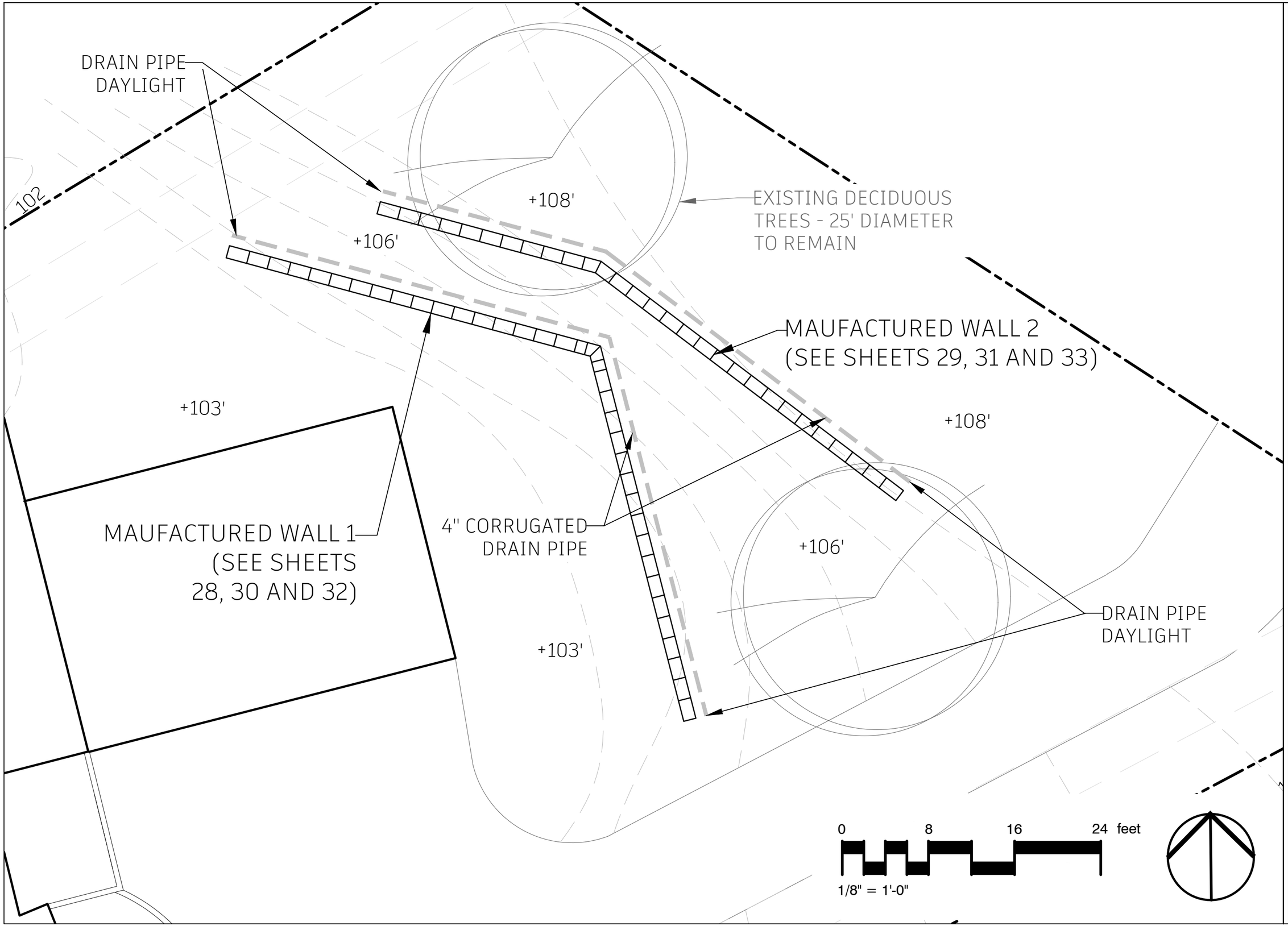

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L-27
MFG. WALL LAYOUT
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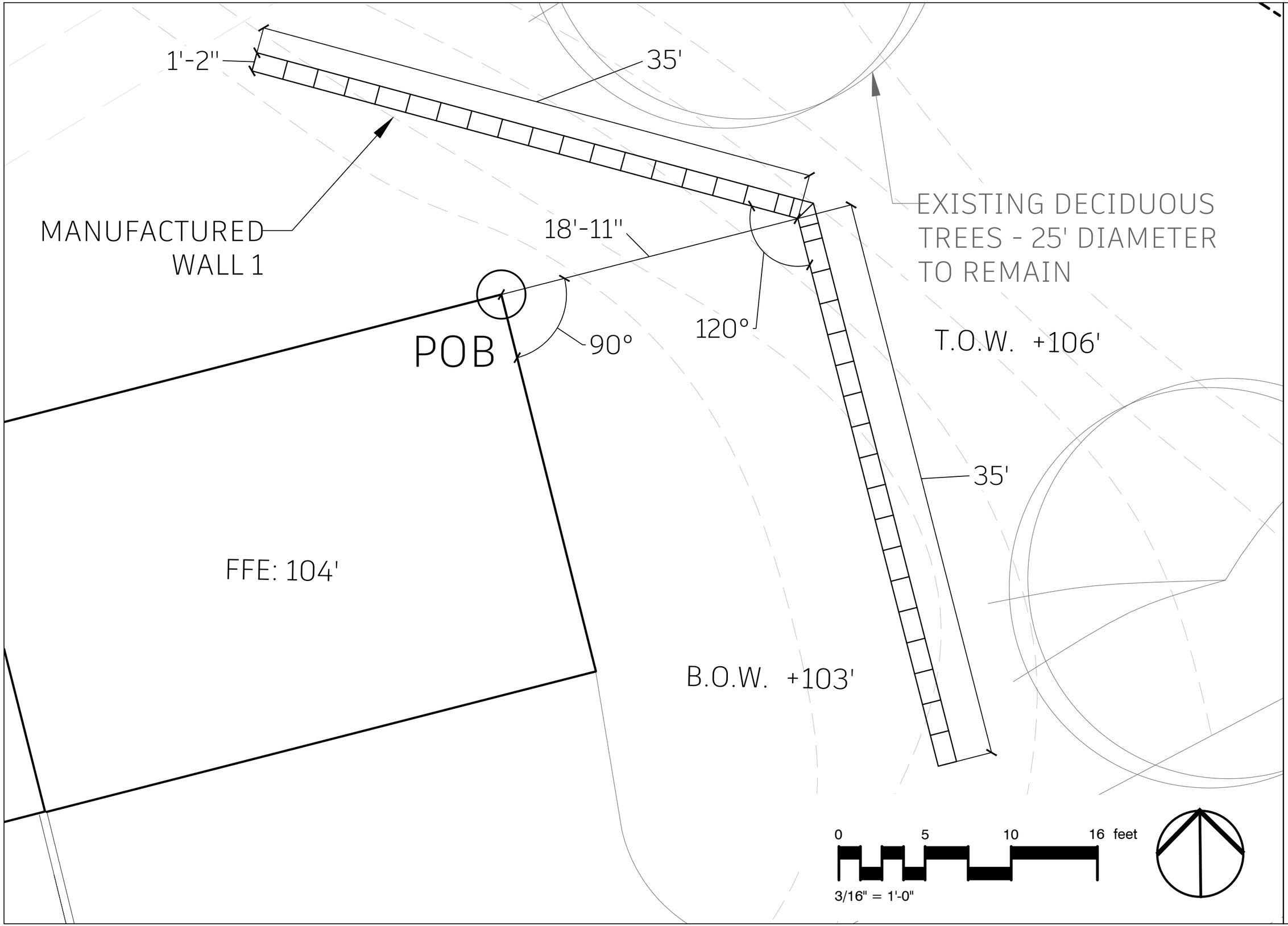

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L-28
MFG. WALL 1 DIM
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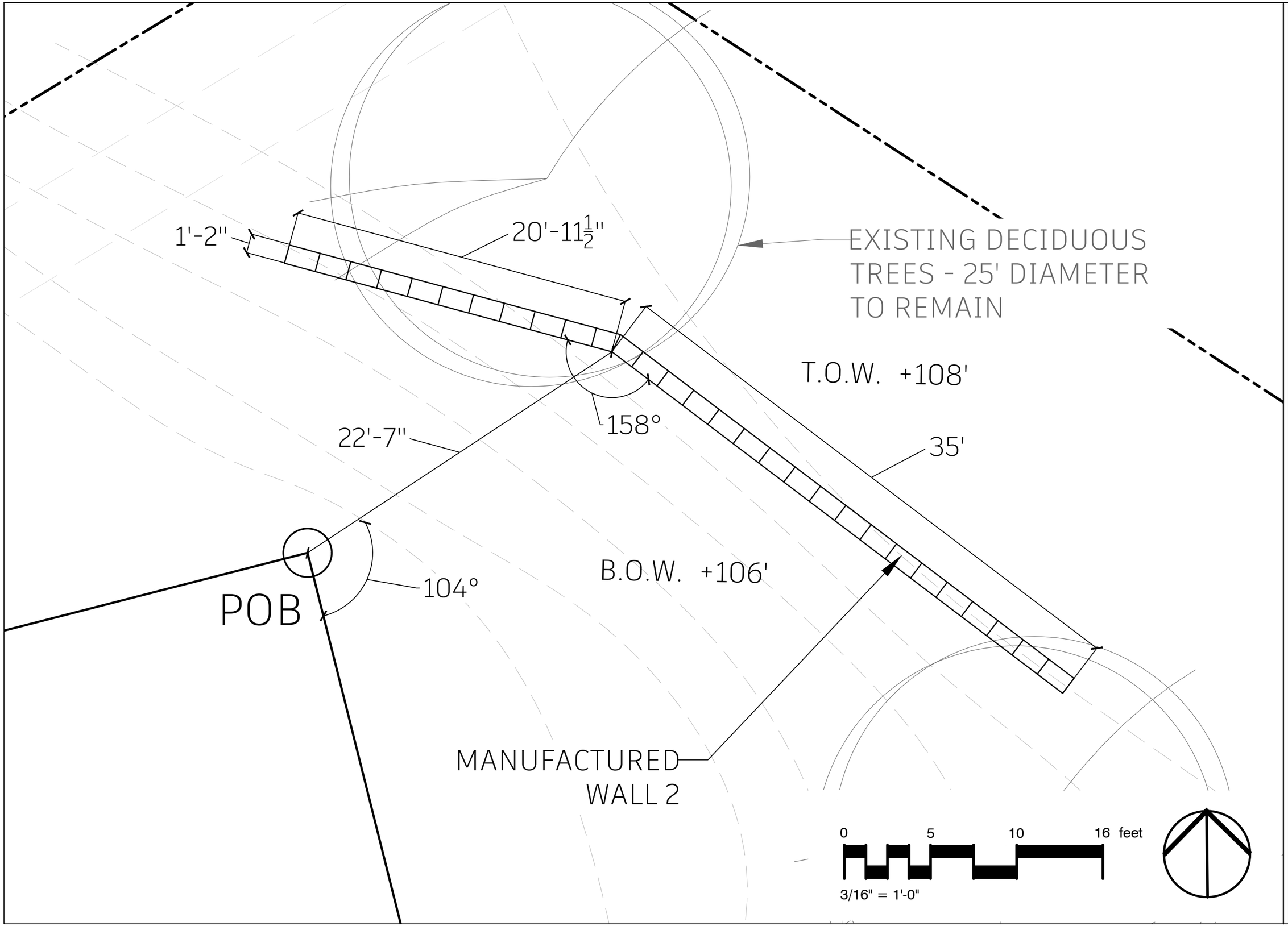

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L-29
MFG. WALL 2 DIM
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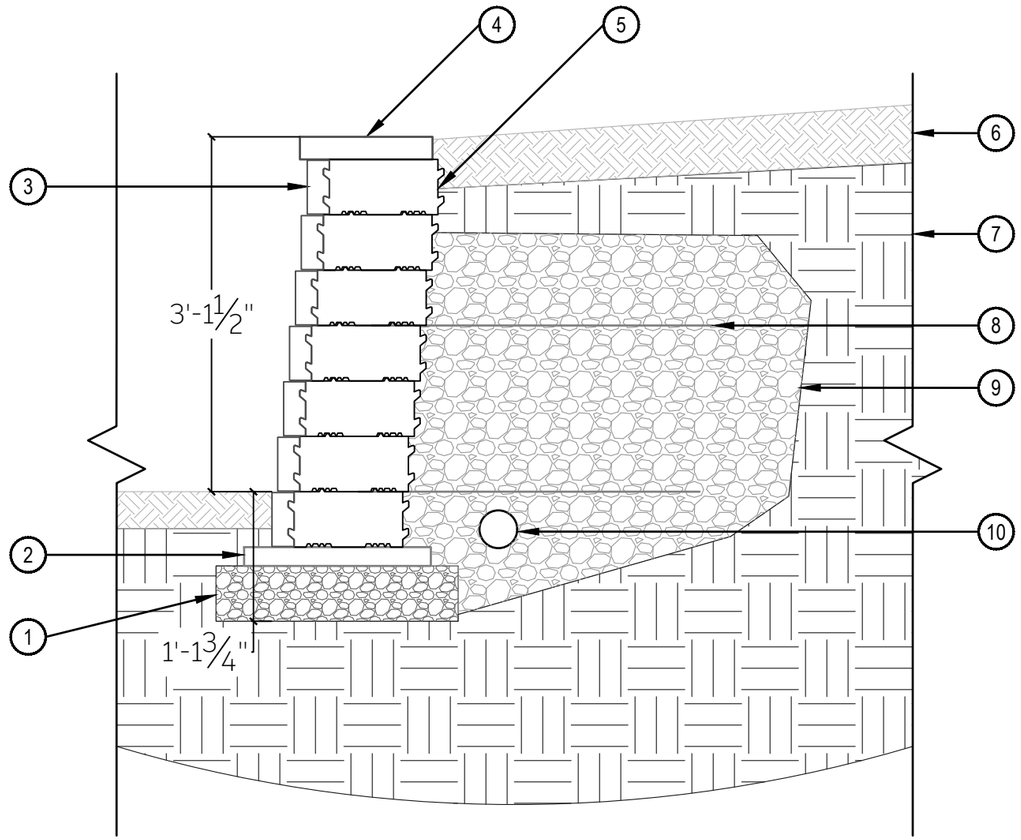

1. COMPACTED CRUSHED AGGREGATE ROAD BASE
2. UNIVERSAL BASE UNIT
3. U-CARA FASCIA PANEL
4. WALL CAP
5. U-CARA LARGE BACKER
6. TOP SOIL
7. SOIL
8. GEOTEXTILE
9. CRUSHED AGGREGATE ROAD BASE
10. 4" CORRUGATED DRAIN PIPE

NOTES:

1. SEE MATERIALS SCHEDULE FOR U-CARA FASCIA PANEL, LARGE BACKER, WALL CAP MATERIALS, GEOTEXTILE, DRAIN PIPE AND CRUSHED AGGREGATE ROAD BASE MATERIALS. .
2. U-CARA LARGE BACKERS TO HAVE BATTER OF $\frac{5}{8}$".
3. CONCRETE GLUE SHALL BE USED BETWEEN ALL COURSE OF BACKER BLOCKS AND BETWEEN BACKER BLOCKS AND UNIVERSAL BASE UNIT.
4. CUTTING MAY BE REQUIRED; A DIAMOND BLADE SAW IS REQUIRED TO CUT WALL CAP AND FASCIA PROPERLY.
5. REMOVE THE ALIGNMENT KEY FROM THE TOP ROW OF BACKERS TO PROPERLY ADHERE THE WALL CAP.
6. CORRUGATED PIPE TO BE LAID BEHIND WALL, BEGINNING AT BEND IN WALL AND DAYLIGHING AT TERMINAL ENDS OF WALL. PIPE TO MAINTAIN MIN 1% SLOPE TOWARDS DAYLIGHT.
7. COMPACTION OF AGGREGATE BASE TO OCCUR IN 2" LIFTS. AGGREGATE BASE TO EXTEND MINIMUM 3" BEYOND UNIVERSAL BASE UNIT EDGE.

13 MANUFACTURED WALL 1 SECTION

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

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MFG. WALL 1 SECTION
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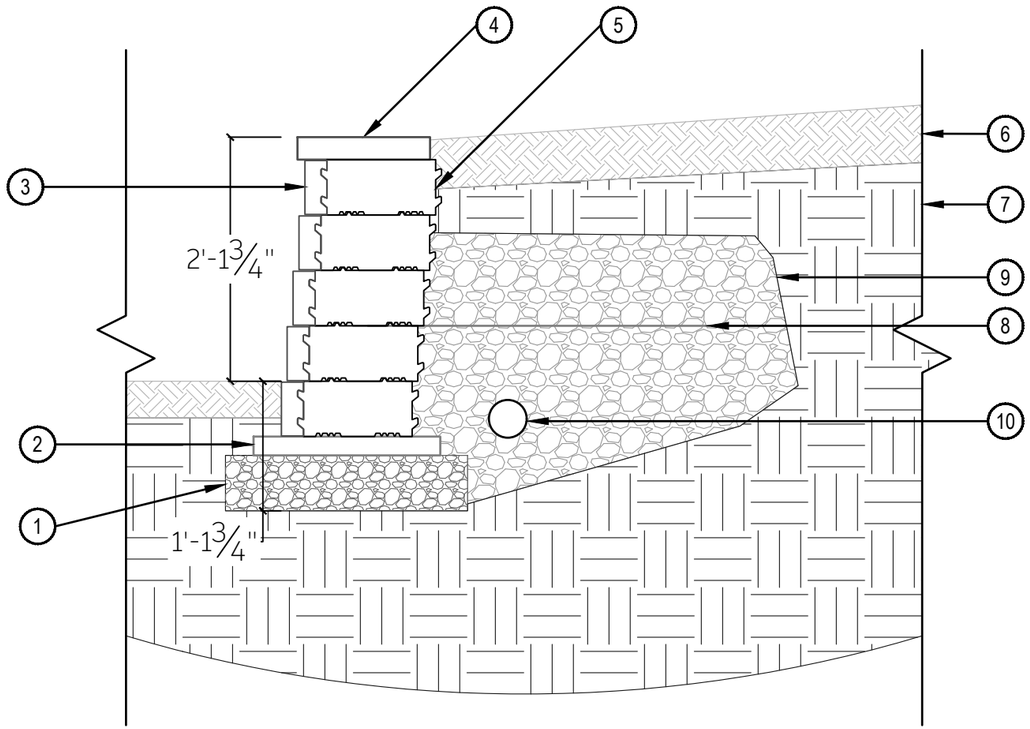

1. COMPACTED AGGREGATE BASE
2. UNIVERSAL BASE UNIT
3. U-CARA FASCIA PANEL
4. WALL CAP
5. U-CARA LARGE BACKER
6. TOP SOIL
7. SOIL
8. GEOTEXTILE
9. CRUSHED AGGREGATE
10. 4" CORRUGATED DRAIN PIPE

NOTES:

1. SEE MATERIALS SCHEDULE FOR U-CARA FASCIA PANEL, LARGE BACKER, WALL CAP MATERIALS, GEOTEXTILE, DRAIN PIPE AND CRUSHED AGGREGATE ROAD BASE MATERIALS. .
2. U-CARA LARGE BACKERS TO HAVE BATTER OF $\frac{5}{8}$".
3. CONCRETE GLUE SHALL BE USED BETWEEN ALL COURSE OF BACKER BLOCKS AND BETWEEN BACKER BLOCKS AND UNIVERSAL BASE UNIT.
4. CUTTING MAY BE REQUIRED; A DIAMOND BLADE SAW IS REQUIRED TO CUT WALL CAP AND FASCIA PROPERLY.
5. REMOVE THE ALIGNMENT KEY FROM THE TOP ROW OF BACKERS TO PROPERLY ADHERE THE WALL CAP.
6. CORRUGATED PIPE TO BE LAID BEHIND WALL, BEGINNING AT BEND IN WALL AND DAYLIGHING AT TERMINAL ENDS OF WALL. PIPE TO MAINTAIN MIN 1% SLOPE TOWARDS DAYLIGHT.
7. COMPACTION OF AGGREGATE BASE TO OCCUR IN 2" LIFTS. AGGREGATE BASE TO EXTEND MINIMUM 3" BEYOND UNIVERSAL BASE UNIT EDGE.

14 MANUFACTURED WALL 2 SECTION

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

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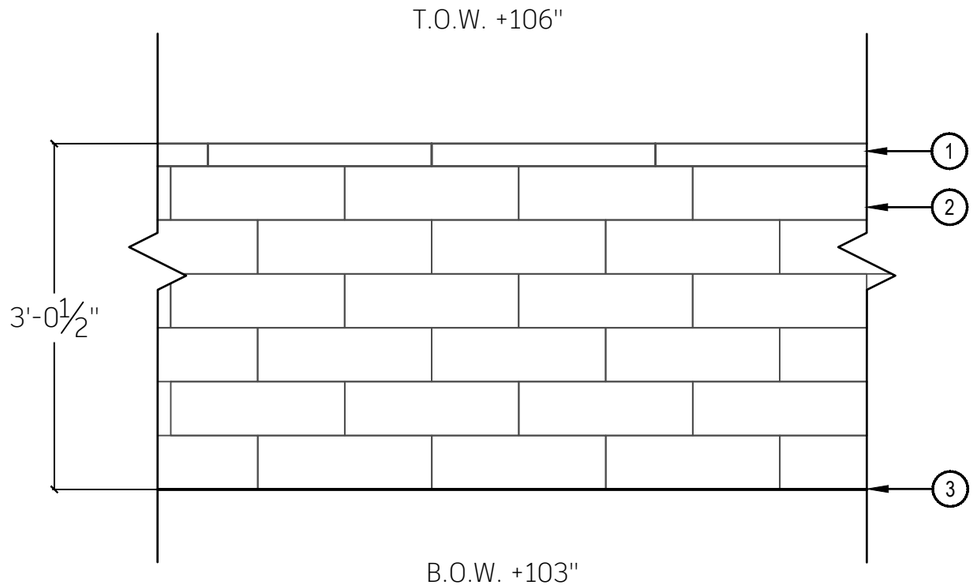

1. WALL CAP
2. U-CARA FASCIA PANEL
3. B.O.W. SOIL

NOTES:
1. SEE MATERIALS SCHEDULE FOR U-CARA FASCIA PANEL AND WALL CAP MATERIALS.
2. INSTALL WALL CAP WITH TIGHT JOINTS OR $\frac{3}{16}$" GAP BETWEEN UNITS AND AMEND WITH AN EXTERIOR LATEX CAULKING.
3. CUTTING MAY BE REQUIRED; A DIAMOND BLADE SAW IS REQUIRED TO CUT WALL CAP AND FASCIA PROPERLY.

15 MANUFACTURED WALL 1 ELEVATION

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

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MFG. WALL 1 ELEVATION
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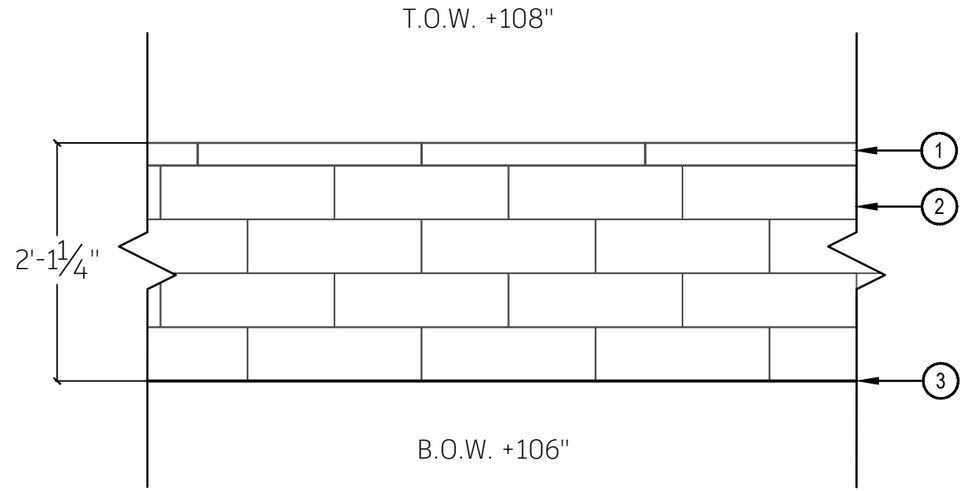

1. WALL CAP
2. U-CARA FASCIA PANEL
3. B.O.W. SOIL

NOTES:
1. SEE MATERIALS SCHEDULE FOR U-CARA FASCIA PANEL AND WALL CAP MATERIALS.
2. INSTALL WALL CAP WITH TIGHT JOINTS OR $\frac{3}{16}$" GAP BETWEEN UNITS AND AMEND WITH AN EXTERIOR LATEX CAULKING.
3. CUTTING MAY BE REQUIRED; A DIAMOND BLADE SAW IS REQUIRED TO CUT WALL CAP AND FASCIA PROPERLY.

16 MANUFACTURED WALL 2 ELEVATION

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

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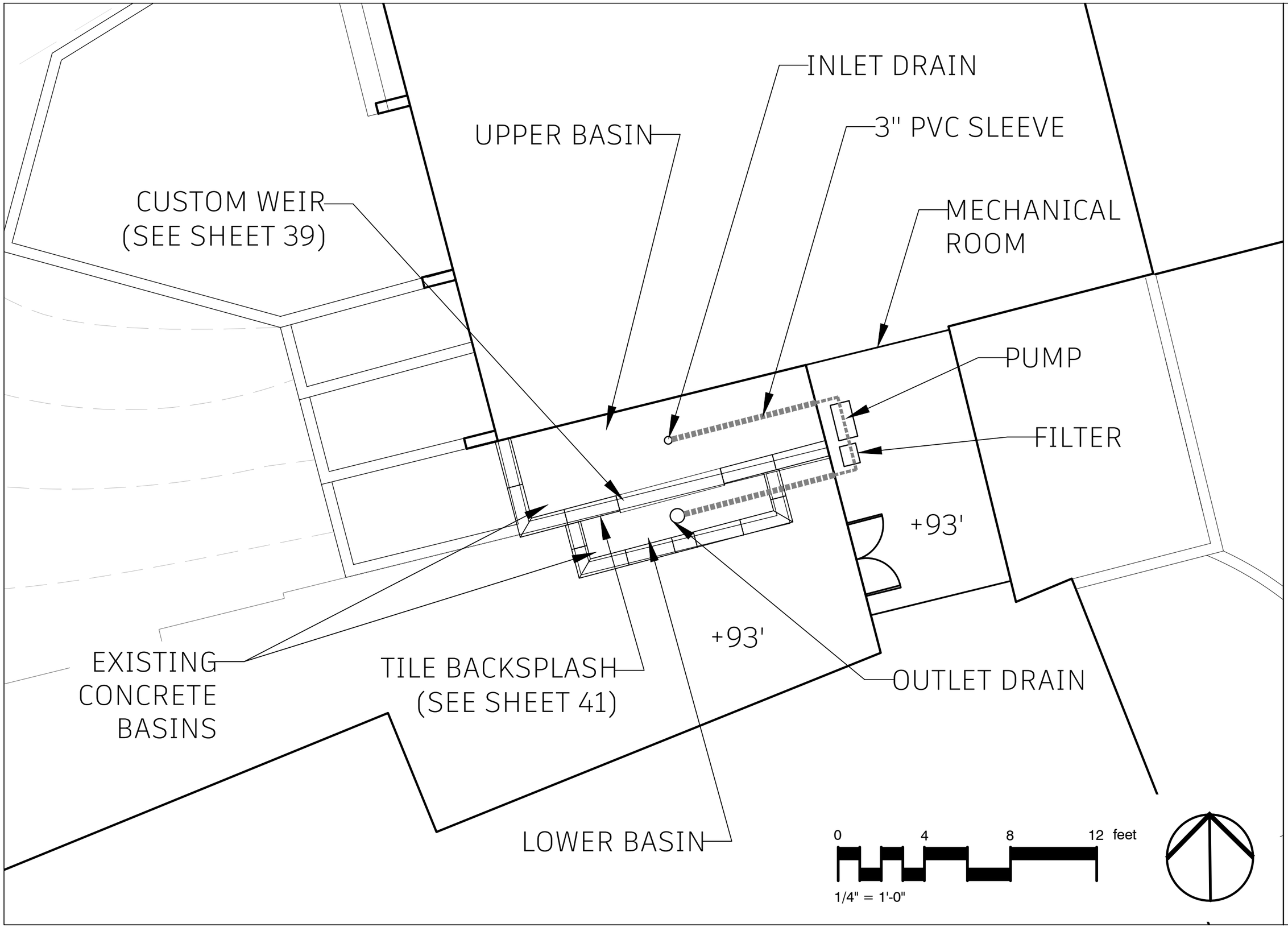

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WATER FEATURE LAYOUT
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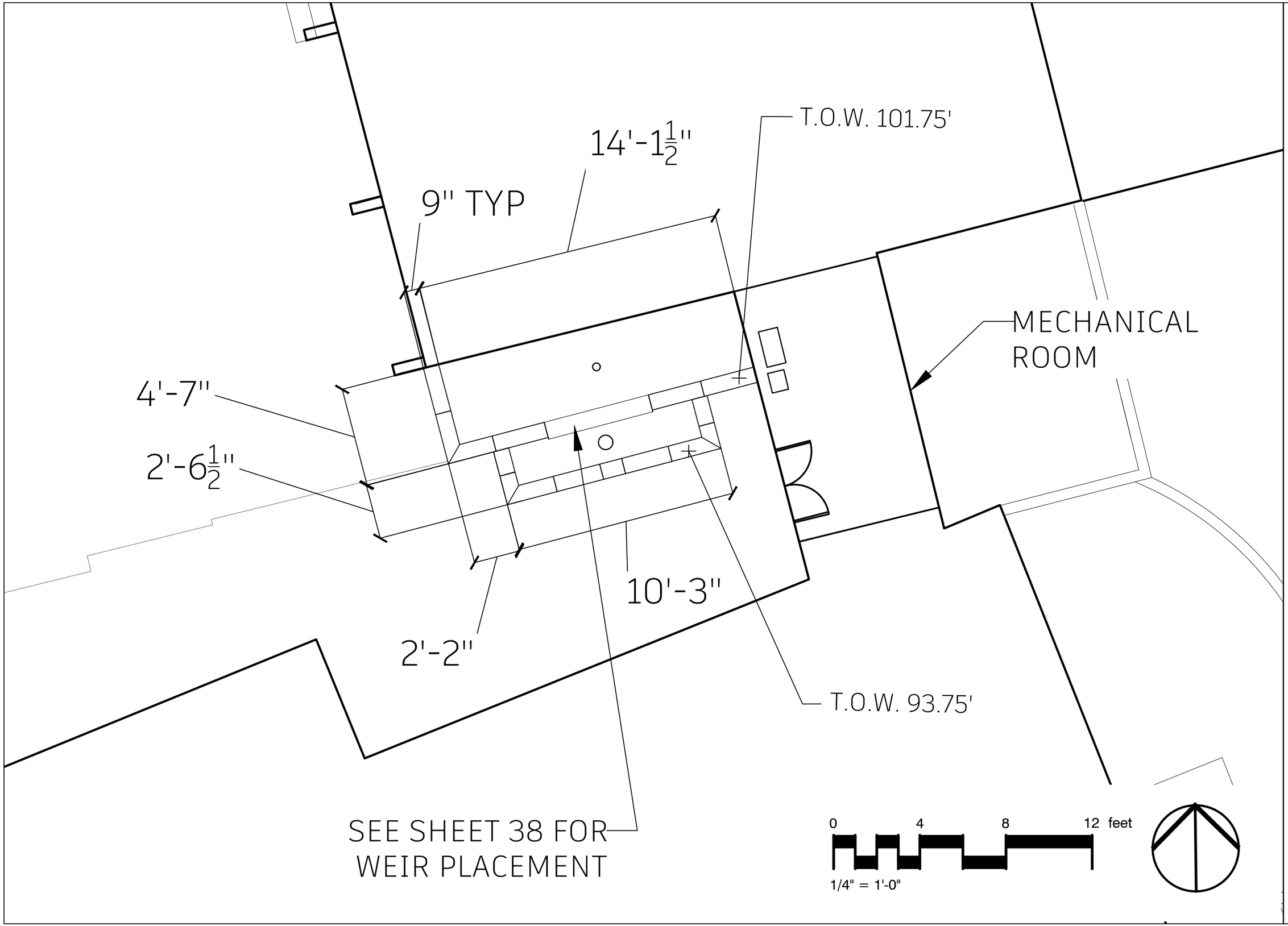

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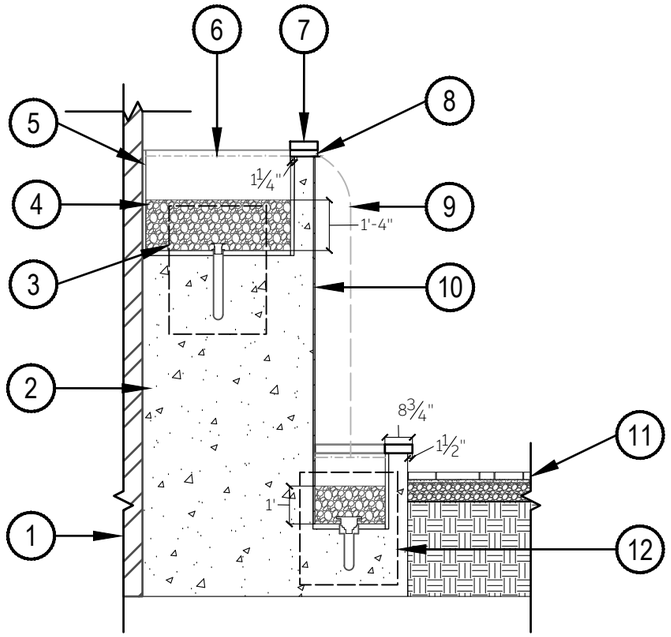
WATER FEATURE DIM
35 OF 75



NOTES:

1. SEE MATERIAL SCHEDULE FOR INLET DRAIN, OUTLET DRAIN, TILE, COPING, AND WEIR MATERIALS.
2. SLEEVES TO BE SET IN CONCRETE DURING CONCRETE INSTALLATION. T.O. SLEEVES TO BE APPROXIMATELY 1 ¾" ABOVE CONCRETE BASIN FLOORS. SLEEVES TO DAYLIGHT AT GEOMETRIC CENTER OF BASINS.
3. DRAINS TO BE INSTALLED OVER EXISTING PVC SLEEVES (SEE SHEET 34).
4. WEIR TO BE PLACED IN 2 ¼" DEEP, 5' LONG CHANNEL CUT IN UPPER BASIN WALL.
5. LEDGESONE COPING TO BE CUT TO 8 ¾" WIDE. COPING TO BE INSTALLED WITH ROUGH EDGE FACING OUTWARD.
6. UPPER BASIN WALLS AND FLOOR TO BE TILED WITH VIBRATO TILES. TILES INSTALLED ON CORNER OF BUILDING TO RETAIN SAME HEIGHT AS TILE UNDER LEDGESTONE COPING.
7. LOWER BASIN WALLS AND FLOOR TO BE TILED WITH VIBRATO TILES, WITH THE EXCEPTION OF BACKSPLASH WALL.
8. BACKSPLASH WALL TO BE TILED WITH REVERIE TILES (SEE SHEET 41 FOR PATTERN DETAILS).
9. MEXICAN BEACH PEBBLES TO BE INSTALLED IN EACH BASIN TO SPECIFIED HEIGHT.

1. HOUSE ENVELOPE
2. CONCRETE BASE
3. INLET DRAIN (SEE SHEET 37)
4. MEXICAN BEACH PEBBLE FILL
5. VIBRATO TILE (SEE SHEET 40)
6. WATER LINE
7. LEDGESTONE COPING (SEE NOTES)
8. CUSTOM WIER (SEE SHEET 39)
9. INTENDED WATER FLOW
10. REVERIE TILE (SEE SHEET 40 AND 41)
11. MANUFACTURED PATIO
12. OUTLET DRAIN (SEE SHEET 37)

17 WATER FEATURE DETAIL

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

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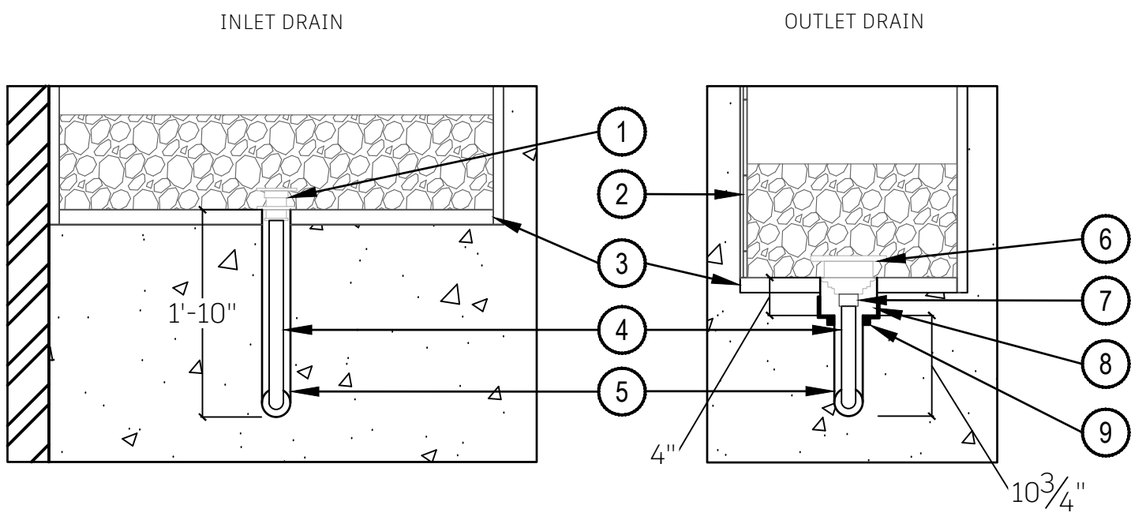
WATER FEATURE SECTION DETAIL



1. INLET DRAIN (SEE NOTES)
2. REVERIE TILE
3. VIBRATO TIILE
4. 1-½" FLEX PIPE
5. 3" PVC SLEEVE
6. OUTLET DRAIN (SEE NOTES)
7. 1½" SLIP TO 2" NPT ADAPTER
8. 6" PVC SLEEVE
9. 6" TO 3" PVC REDUCER

NOTES:
1. SEE MATERIAL SCHEDULE FOR INLET DRAIN, OUTLET DRAIN, AND FLEX PIPE MATERIALS.
2. SLEEVES TO BE SET IN CONCRETE DURING CONCRETE INSTALLATION. T.O. SLEEVES TO BE APPROXIMATELY 1¾" ABOVE CONCRETE BASIN FLOORS.
3. OUTLET DRAIN SLEEVE TO COMPRISE OF 4" LONG, 6" PVC PIPE AT DAYLIGHT WITH A PVC REDUCER TO 3" PVC PIPE.
4. DRAINS TO BE INSTALLED OVER EXISTING PVC SLEEVES.
5. DRAINS-TO-SLEEVE CONNECTION TO BE SEALED WITH SILICONE SEALANT.
6. ALL PVC FITTINGS TO BE JOINED WITH PVC SEALANT.
7. FINISH GRADE TILE TO BE FLUSH WITH T.O. SLEEVES.

18 INLET & OUTLET DETAIL

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

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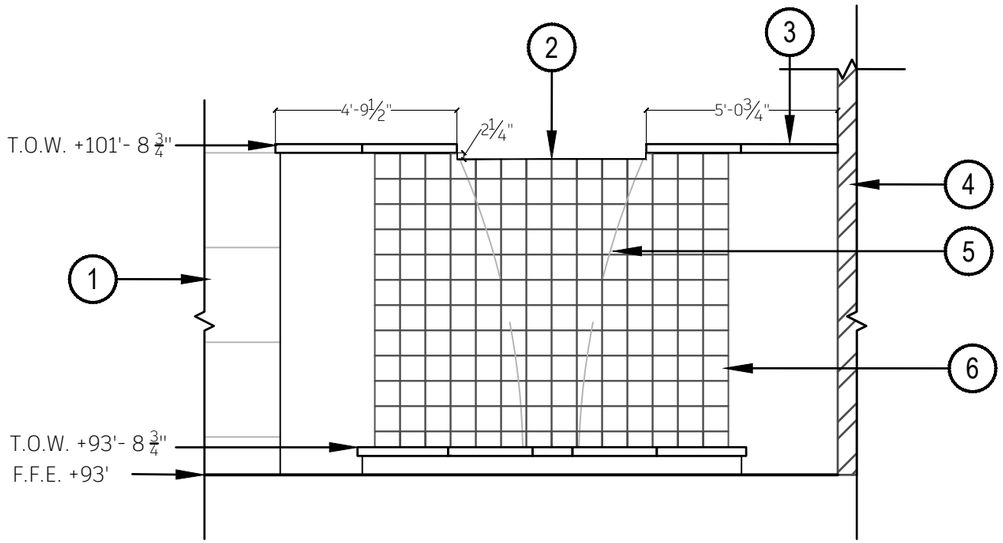
811
SAFE DIGGING PARTNER

L-37
WATER FEATURE
INLET/OUTLET DETAIL
37 OF 75



1. CONCRETE PLANTER BEDS
2. CUSTOM WEIR (SEE SHEET 39)
3. LEDGESONE COPING
4. HOUSE ENVELOPE
5. INTENDED WATER FLOW
6. REVERIE TILE BACKSPLASH

NOTES:
1. SEE MATERIAL SCHEDULE FOR TILE, WEIR AND COPING MATERIALS.
2. UPPER BASIN WALL TO BE CUT AS SHOWN FOR WEIR.
3. SEE SHEET 41 FOR TILE PATTERN DETAIL.

19 WATER FEATURE ELEVATION

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

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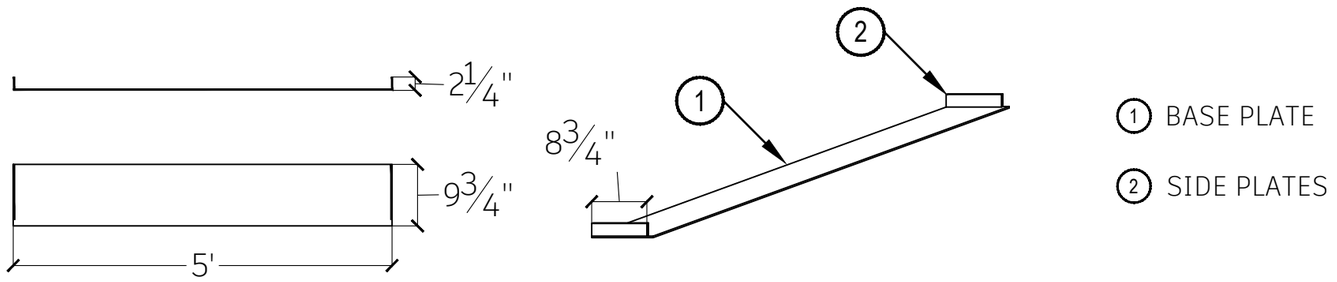
L-38
WATER FEATURE SECTION DETAIL



1. BASE PLATE
2. SIDE PLATES

NOTES:
1. SEE MATERIALS SCHEDULE FOR WIER AND POWDER COAT MATERIAL.
2. RAISED EDGES TO BE SET FLUSH TO SAME SIDE OF BOTTOM PLATE.
3. ALL ANGLES TO BE AT 90.

20 WATER WEIR DETAIL

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

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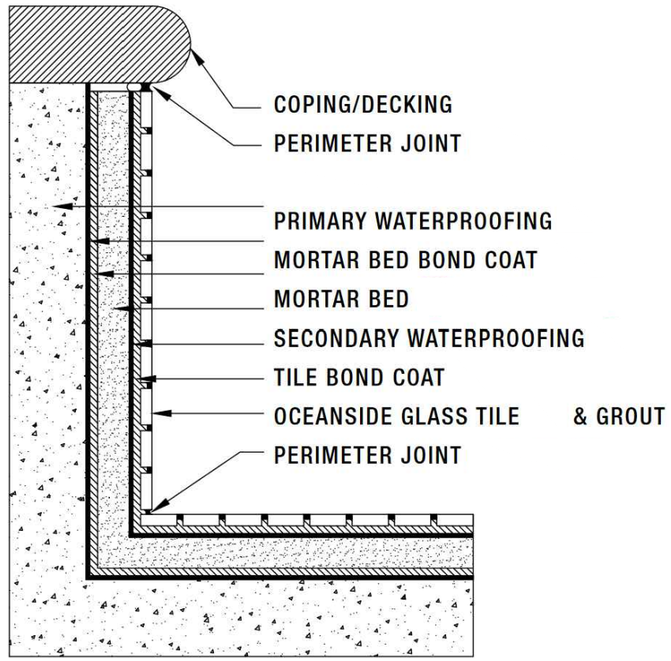
L-39
WATER FEATURE WEIR DETAIL
39 OF 75



NOTES:

1. SEE MATERIAL SCHEDULE FOR COPING, TILE AND GROUT MATERIALS.
2. PERIMETER JOINT TO BE $\frac{1}{4}$".
3. REFER TO GLASSTILE FOR INSTALLATION INSTRUCTIONS.
4. VIBRATO AND REVERIE TILE INSTALLATION TO FOLLOW SAME METHODS AND MATERIALS WITH THE EXCEPTION OF TILE AND GROUT MATERIAL.

21 WATER FEATURE TILE INSTALLATION

SCALE: NTS

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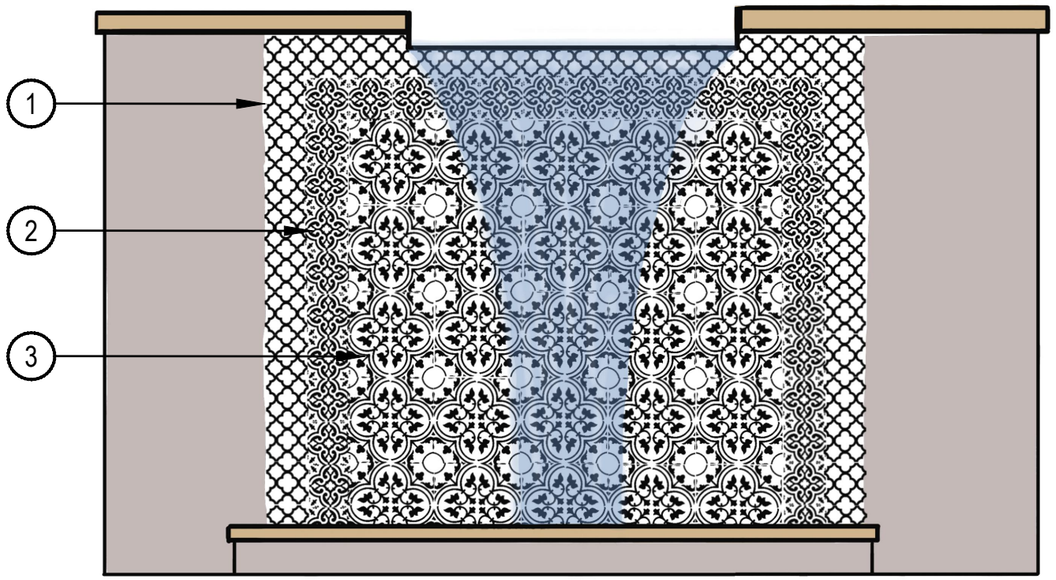
L-40
WATER FEATURE TILE DETAIL
40 OF 75



1. REVERIE 2
2. REVERIE 3
3. REVERIE 1

NOTES:

1. SEE MATERIAL SCHEDULE FOR TILE MATERIALS.
2. BACKSPLASH TO CONTINUE TO FLOOR OF LOWER BASIN.
3. TILE TO BE CUT AS NEEDED.

22 REVERIE TILE LAYOUT DETAIL

SCALE: NTS

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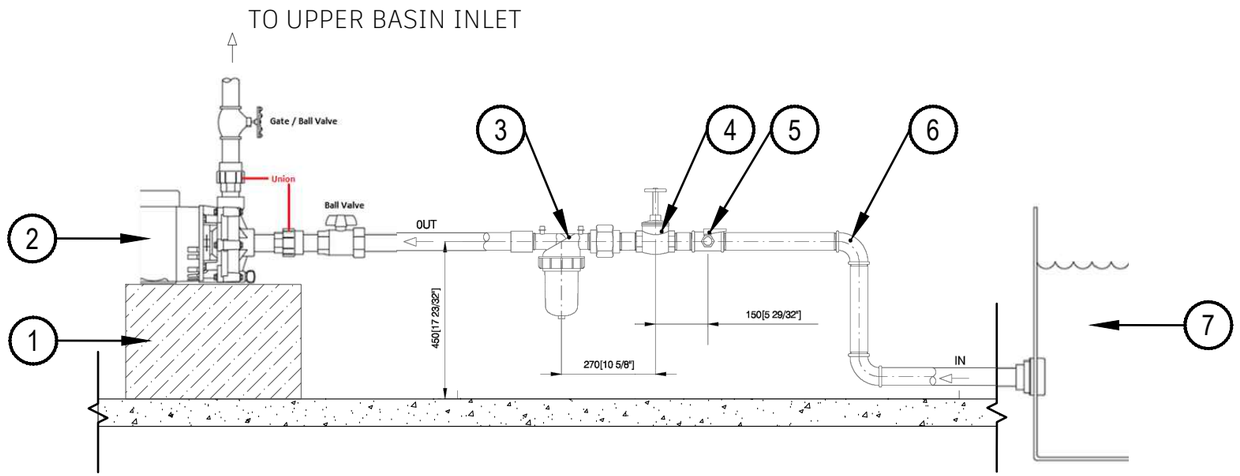
L-41

WATER FEATURE TILE PATTERN DETAIL
41 OF 75



1. PUMP MOUNT
2. PUMP
3. FILTER
4. $1\frac{1}{2}$" MANUAL VALVE
5. $\frac{3}{4}$" WASHING BALL VALVE
6. 90° ELBOW - $1\frac{1}{2}$"
7. LOWER WATER BASIN (SEE NOTE)

NOTES:

1. SEE MATERIAL SCHEDULE FOR FILTER, PUMP AND PIPE MATERIALS.
2. WATER FEATURE TO HOLD APPROXIMATELY 590 GALLONS. WATER TO CYCLE 2X PER HOUR FOR APPROXIMATELY 1080 GPH.
3. $1\frac{1}{2}$" PVC UNIONS AND $1\frac{1}{2}$" BALL JOINTS TO BE FROM THE POND GUY.
4. ALL CONNECTIONS TO BE MADE WITH PVC ADHESIVE FROM NEAREST DISTRIBUTOR.
5. LOWER WATER BASIN DRAIN TO BE LOCATED ON FLOOR OF BASIN. SCHEMATIC OF LOWER WATER BASIN FOR ILLUSTRATIVE PURPOSES ONLY.

23 WATER FEATURE MECHANICAL DETAIL

SCALE: NTS

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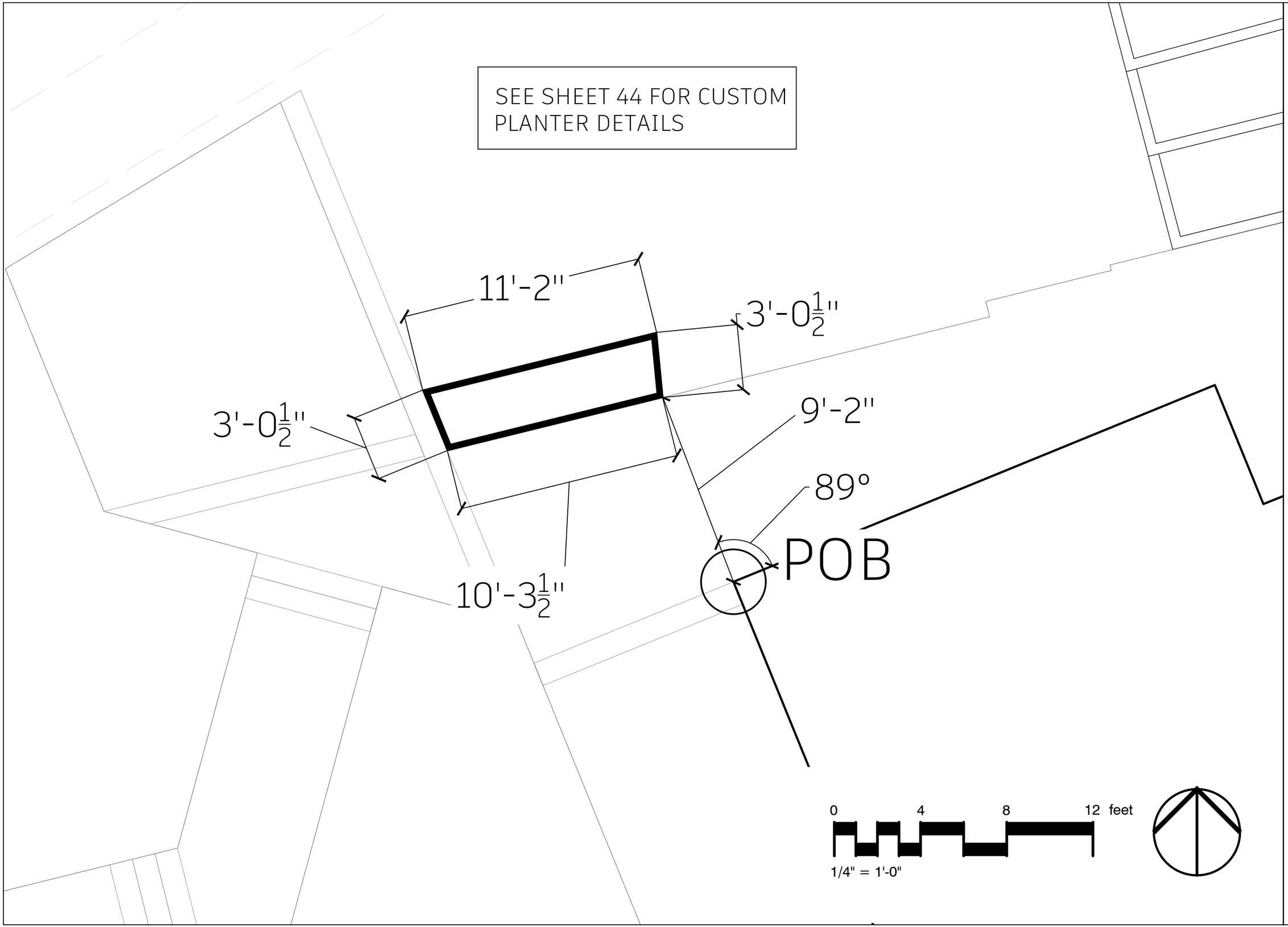
L-42
WATER FEATURE MECHANICAL DETAIL
42 OF 75

SEE SHEET 44 FOR CUSTOM PLANTER DETAILS



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L-43
CUSTOM PLANTER LAYOUT
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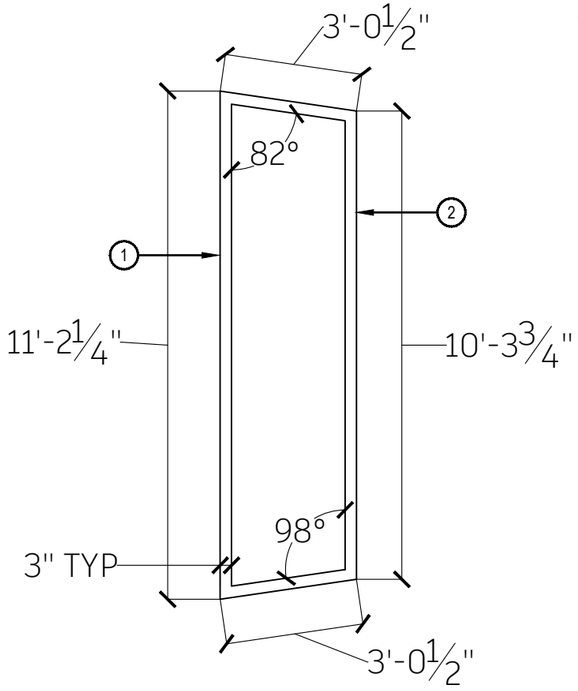
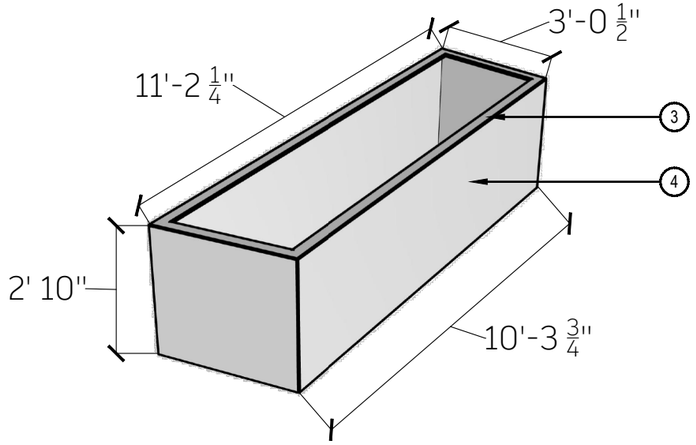
PLAN VIEW



FRONT ELEVATION

PERSPECTIVE



1. BACK OF PLANTER
2. FRONT OF PLANTER
3. 3" WIDE LIP AROUND T.O. PLANTER
4. FRONT OF PLANTER

NOTES:
1. SEE MATERIALS SCHEDULE FOR PLANTER AND POWDER COAT MATERIAL.
2. PLANTER TO HAVE 3", INWARD FACING LIP AROUND UPPER OPENING.
3. BOTTOM OF PLANTER TO BE CUT TO OUTERMOST DIMENSIONS SHOWN.
4. 1" HOLES TO BE DRILLED IN BASE OF PLANTER FOR DRAINAGE. HOLE DRILLING LOCATIONS AND AMOUNT TO BE DETERMINED BY FABRICATOR.

24 CUSTOPM PLANTER MANUFACTURE DETAIL

SCALE: NTS

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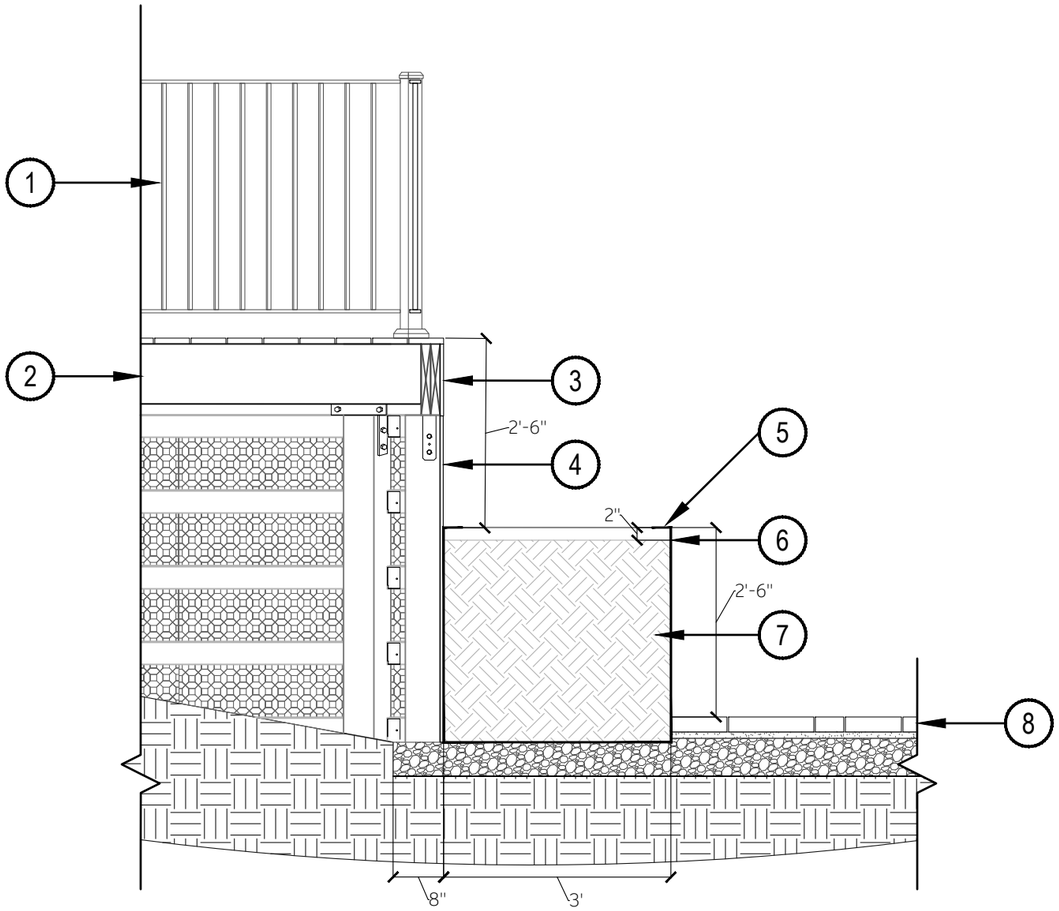
L-44

CUSTOM PLANTER DETAIL
44 OF 75



1. DECK RAILING
2. DECK STRUCTURE
3. DECKING FASCIA
4. TREX LATTICE FASCIA
5. CUSTOM PLANTER BOX (SEE SHEET 44)
6. PLANTING MIX FILL HEIGHT
7. PLANTING MIX
8. MANUFACTURED PATIO

NOTES:

1. REFER TO MATERIALS SCHEDULE FOR PLANTER, MANUFACTURED PATIO, DECKING AND FASCIA MATERIALS.
2. T.O. PLANTER TO BE 2 $\frac{1}{2}$" ABOVE T.O. PAVERS.
3. PLANTER TO BE FILLED WITH PLANTING MIX UP TO 2" BELOW T.O. PLANTER.
4. SEE SHEETS 54, 58, 60, 66 AND 67 FOR DECK AND FASCIA DETAIL.
5. SEE SHEET 11 FOR MANUFACTURED PATIO DETAIL.

25 CUSTOM PLANTER SETTING DETAIL

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

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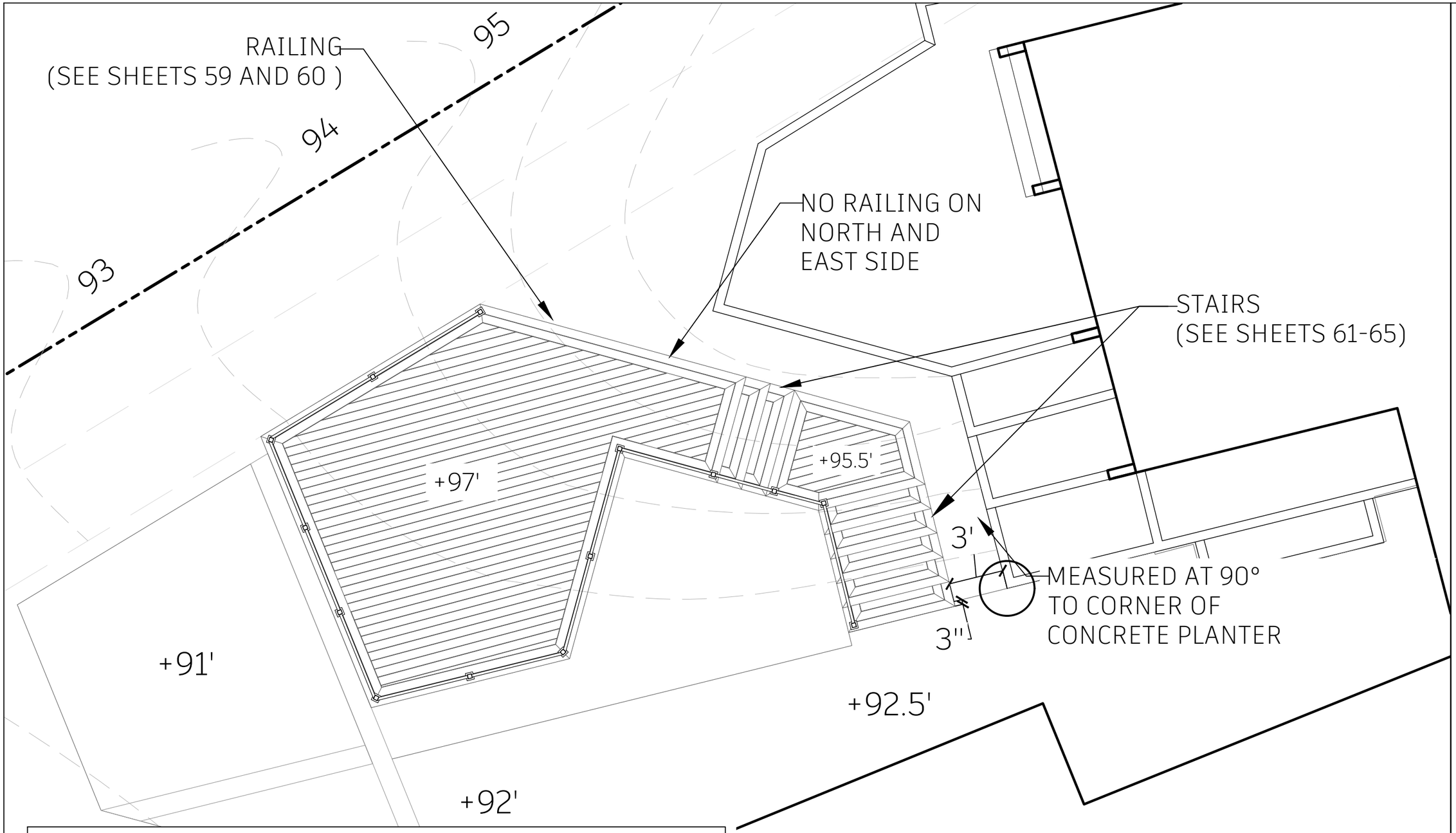
L-45

CUSTOM PLANTER SETTING DETAIL
45 OF 75



SEE SHEET 48 FOR POST LAYOUT
SEE SHEET 51 FOR BEAM LAYOUT
SEE SHEET 56 FOR JOIST LAYOUT
SEE SHEET 58 FOR DECKING LAYOUT
SEE SHEETS 59 AND 60 FOR RAILING LAYOUT

0 5 10 16 feet

3/16" = 1'-0"

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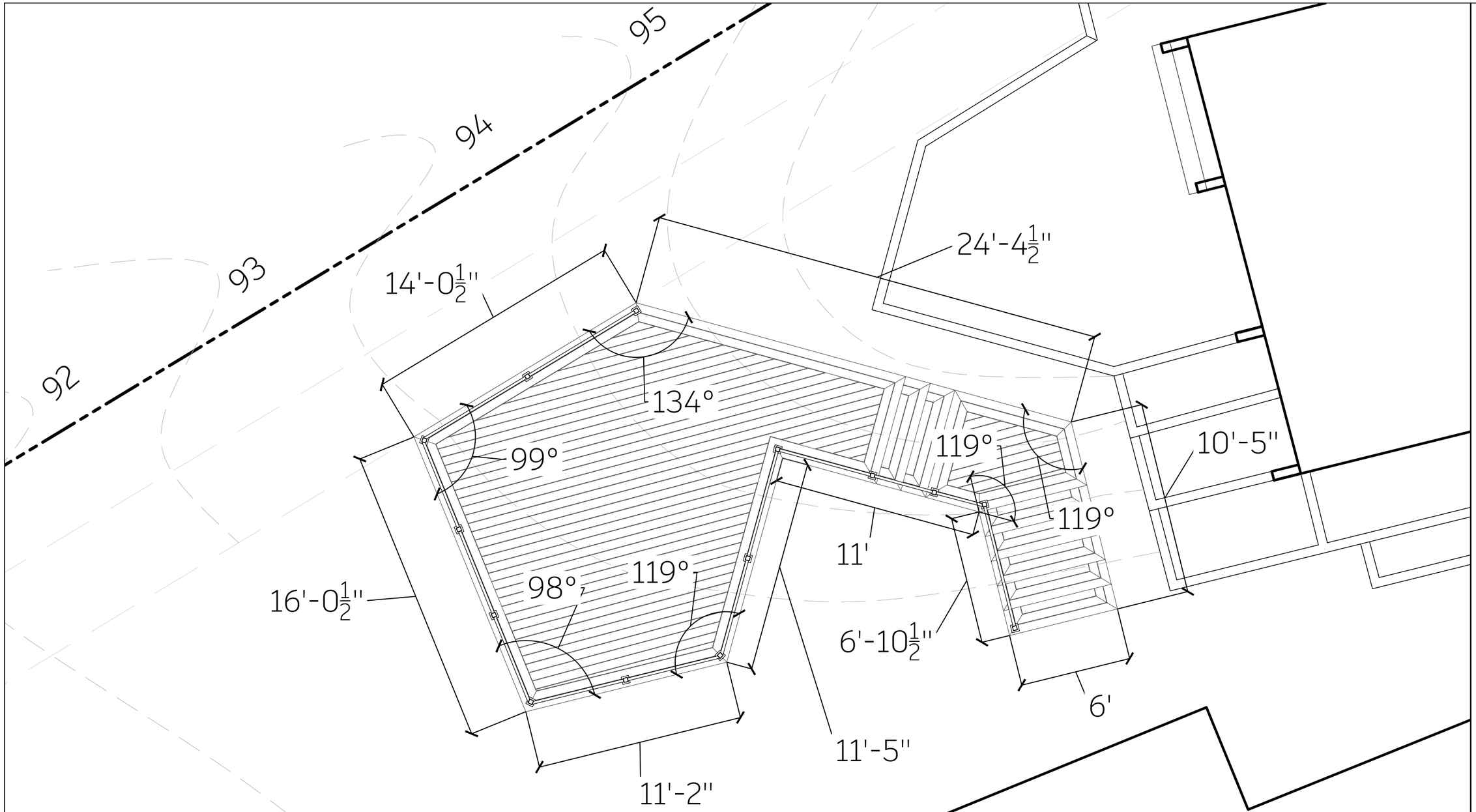
L-46
DECK LAYOUT OVERVIEW
46 OF 75



0 5 10 16 feet

3/16" = 1'-0"

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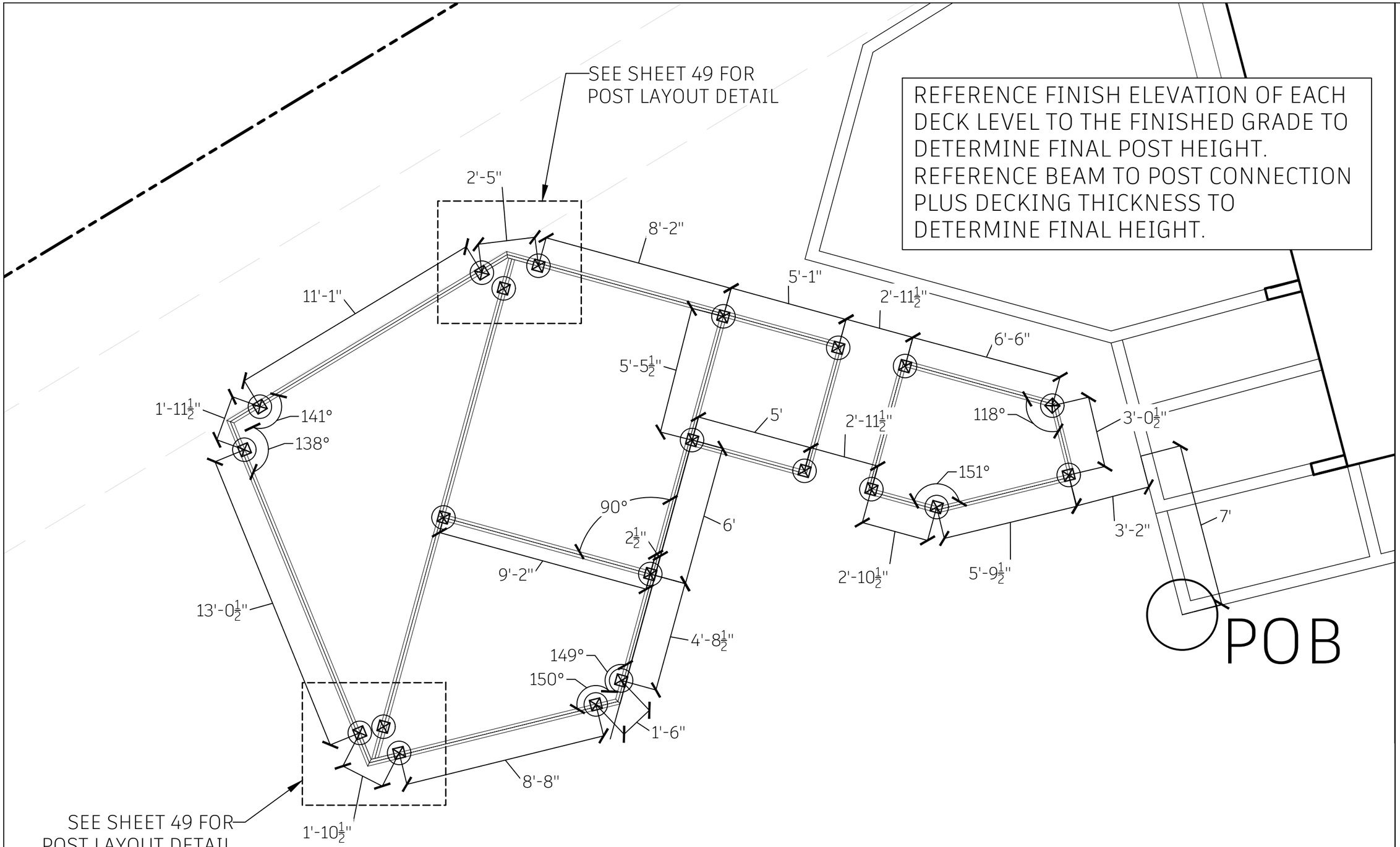
CONTACT 811 BEFORE YOU DIG

L-47

DECK DIM OVERVIEW
47 OF 75



SEE SHEET 50 FOR POST-PEIR CONNECTION DETAILS

0 4 8 12 feet

1/4" = 1'-0"

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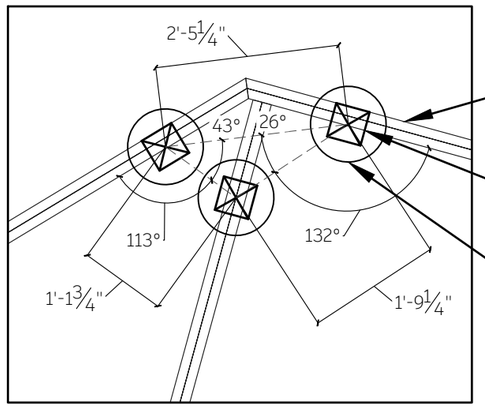
CONTACT 811 BEFORE YOU DIG

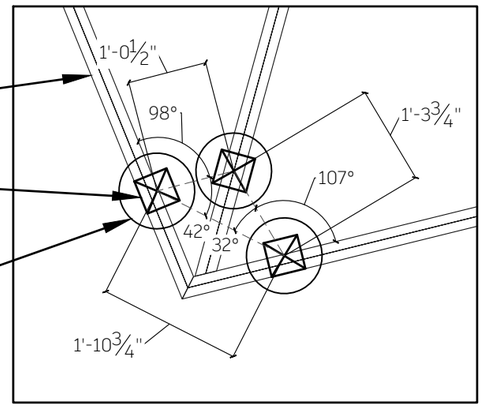
L-48

DECK POST LAYOUT

NORTH CORNER DETAIL



SOUTH CORNER DETAIL



1. 2 2X12 BEAM
2. 6X6 POST
3. CONCRETE PIER

NOTES:

1. REFER TO MATERIALS SCHEDULE FOR BEAM AND POST MATERIALS.
2. SEE SHEET 50 FOR POST-PIER CONNECTION DETAIL.
3. SEE SHEET 54 FOR POST-BEAM CONNECTION DETAIL.
4. SEE SHEET 55 FOR BEAM-BEAM CONNECTION DETAIL.

26 POST LAYOUT DETAIL

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

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CONTACT 811 BEFORE YOU DIG

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BEAM CORNER DETAIL
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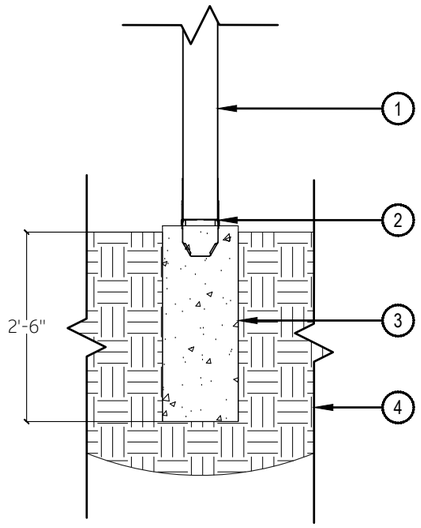

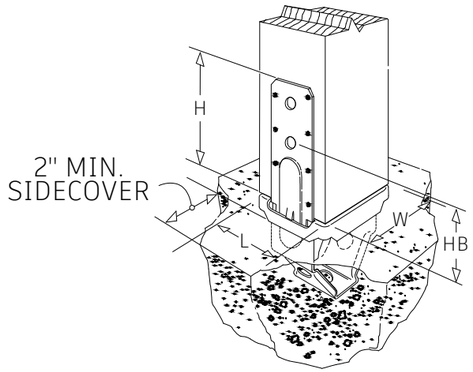

TYPICAL PBS
(NTS)

1. 6X6 POST
2. PBS66HDG POST BASE
3. CONCRETE PIER
4. SOIL

NOTES:

1. CONCRETE PIER TO BE POURED TO MIN 30" DEPTH USING 12"X48" BUILDING FORM TUBE CUT TO REQUIRED DEPTH.
2. 12"X48" BUILDING FORM TUBE TO BE SOURCED FROM NEAREST LOCAL DISTRIBUTOR.
3. POST TO PIER CONNECTOR TO BE PBS66HDG FROM SIMPSON STRONG-TIE.
4. FASTENERS: NAILS: 14-16D, OR SCREWS: 14-SD #10X1 $\frac{1}{2}$.
5. EMBED PBS CONNECTOR INTO WET CONCRETE UP TO THE BOTTOM OF THE 1" STANDOFF BASE PLATE. A 2" MINIMUM SIDE COVER IS REQUIRED TO OBTAIN THE FULL LOAD. HOLES IN THE BOTTOM OF THE STRAPS ALLOW FOR FREE CONCRETE FLOW.
6. ALLOW CONCRETE TO CURE BEFORE INSTALLATION OF THE POST.
7. REFER TO SIMPSON STRONG-TIE FOR INSTALLATION INSTRUCTIONS.

27 POST TO PIER CONNECTION DETAIL

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

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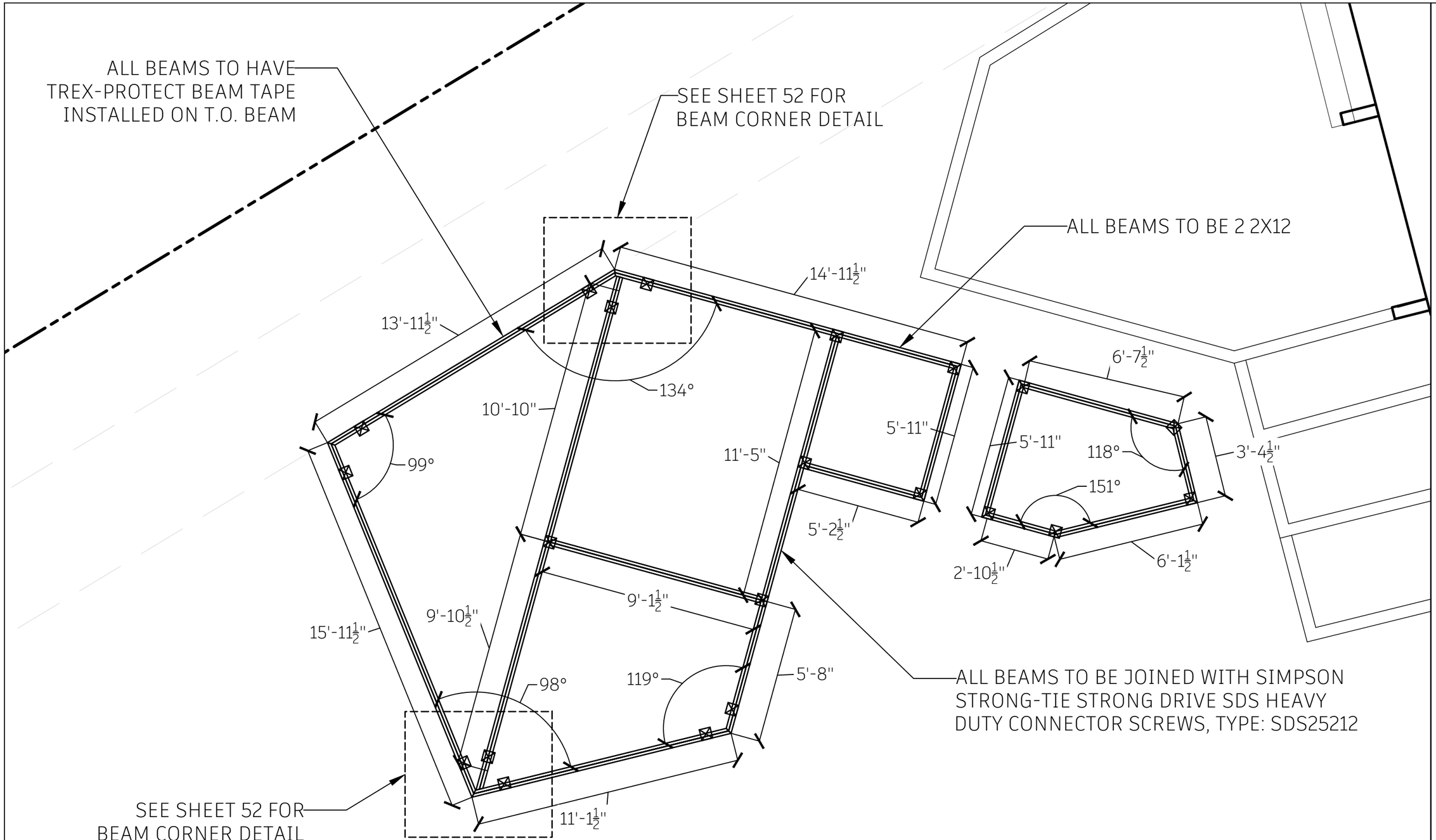
L-50
PIER-POST DETAIL
50 OF 75



SEE SHEET 54 FOR POST-BEAM CONNECTION DETAILS

0 4 8 12 feet

1/4" = 1'-0"

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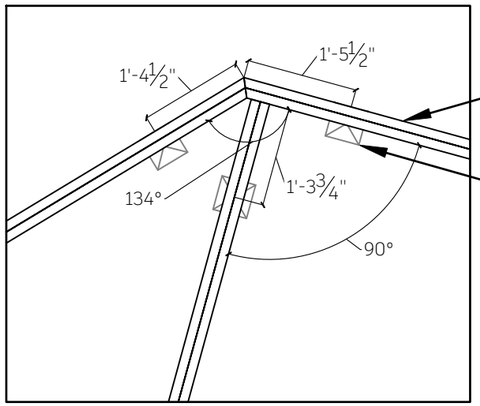
CONTACT 811 BEFORE YOU DIG

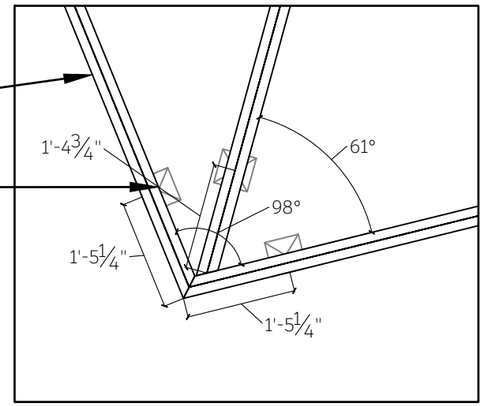
L-51

DECK BEAM LAYOUT

NORTH CORNER DETAIL



SOUTH CORNER DETAIL



1. 2 2X12 BEAM
2. 6X6 POST

NOTES:
1. REFER TO MATERIALS SCHEDULE FOR BEAM AND POST MATERIALS.
2. ALL POST-BEAM CONNECTIONS TO BE CONNECTION TYPE C. SEE SHEET 54FOR POST TO BEAM CONNECTION DETAIL.
3. SEE SHEET 55 FOR BEAM TO BEAM CONNECTION DETAIL.

28 BEAM CORNER DETAIL

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

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L-52
BEAM CORNER DETAIL
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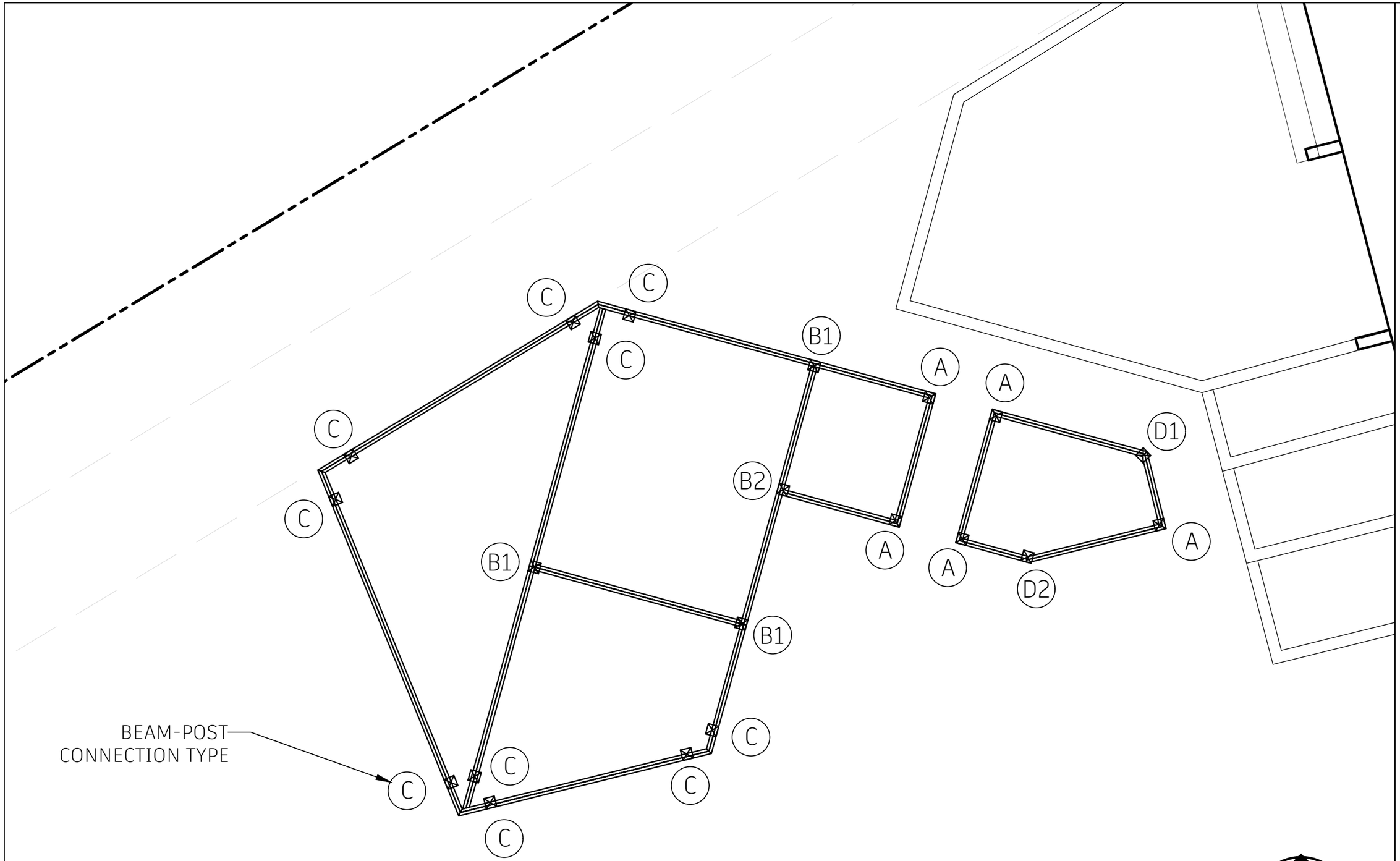

SEE SHEET 54 FOR POST-BEAM CONNECTION DETAILS

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L-53
DECK BEAM LAYOUT
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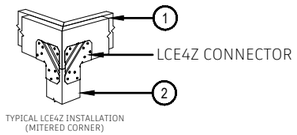
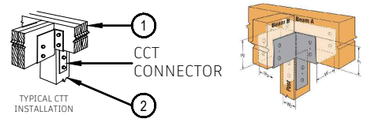
(A) MITERED CORNER POST-BEAM CONNECTION DETAIL



NOTES:
1. LCE4Z CONNECTOR (INSTALL IN PAIRS) FROM SIMPSON STRONG-TIE.
2. FASTENERS: NAILS: 14-16D (BEAM), 10-16D (POST). OR SCREWS: 14-SD #10X1½ (BEAM), 10-SD #10X 1½ (POST).

(B1) T-CORNER POST-BEAM CONNECTION DETAIL 1

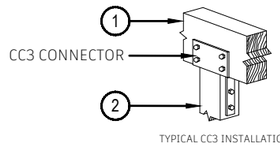


NOTES:
1. CTT SPECIAL-ORDER CONNECTOR FROM SIMPSON STRONG-TIE.
2. DIMENSIONS: W1: 3", W2: 5 ½", W3: 3", H1: 7", H2: 7".
3. FASTENERS: 1/4" X 2 1/2" STRONG-DRIVE SDS HEAVY-DUTY CONNECTOR SCREWS.
4. INSTALL PROVIDED FASTENERS IN ALL ROUND HOLES.

(B2) T-CORNER POST-BEAM CONNECTION DETAIL 2

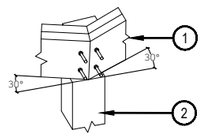
NOTES:
1. ECCLLQ CONNECTOR FROM SIMPSON STRONG-TIE.
2. DIMENSIONS: W1: 3", W2: 5 ½", W3: 3", H1: 7", H2: 7".
3. FASTENERS: 1/4" X 2 1/2" STRONG-DRIVE SDS HEAVY-DUTY CONNECTOR SCREWS.
4. INSTALL PROVIDED FASTENERS IN ALL ROUND HOLES.

(C) SINGLE BEAM SUPPORT POST-BEAM CONNECTION DETAIL



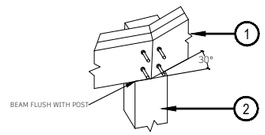
NOTES:
1. CC3 ¼-6 CONNECTOR FROM SIMPSON STRONG-TIE.
2. FASTENERS: ⅝ BOLTS, 4 (BEAM), 2 (POST).

(D1) SPECIAL CASE POST-BEAM CONNECTION DETAIL 1



NOTES:
1. CARPENTER TO MEASURE AND CUT TOP OF POST TO ACCOMODATE BOTH BEAMS AT SPECIFIED ANGLES.
2. FASTENERS: ⅝"-11X6" CARRIAGE BOLTS, ⅝"X1.75" FLAT WASHERS, ⅝"-11 NYLON INSERT LOCK NUTS.

(D2) SPECIAL CASE POST-BEAM CONNECTION DETAIL 2



NOTES:
1. CARPENTER TO MEASURE AND CUT TOP OF POST TO ACCOMODATE BOTH BEAMS AT SPECIFIED ANGLES.
2. FASTENERS: ⅝"-11X6" CARRIAGE BOLTS, ⅝"X1.75" FLAT WASHERS, ⅝"-11 NYLON INSERT LOCK NUTS.

1. 2 2X12 BEAMS
2. 6X6 POST

NOTES:
1. ALL POST-BEAM CONNECTIONS TO BE VERIFIED PRIOR TO BEGINNING JOIST INSTALLATION.
2. REFER TO SIMPSON STRONG-TIE FOR INSTALLATION INSTRUCTIONS FOR ALL SIMPSON STRONG-TIE CONNECTORS.

29 BEAM TO POST CONNECTION DETAILS

SCALE: NTS

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CONTACT 811 BEFORE YOU DIG 811 SAFE DIGGING PARTNER

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POST-BEAM DETAIL
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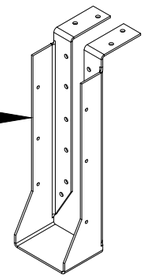
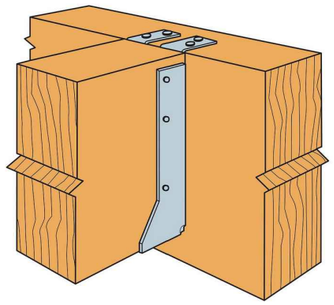
HUC212-2TF
CONNECTOR





TYPICAL HUCTF
INSTALLATION

NOTES:

1. HUC212-2TF CONNECTOR.
2. HANGARS MAY BE MODIFIED FOR SLOPES AND/OR SKEWS UP TO 45.
3. REFER TO SIMPSON STRONG TIE GENERAL NOTES FOR SPECIFIED FASTENERS.
4. REFER TO SIMPSON STRONG-TIE FOR INSTALLATION INSTRUCTIONS FOR ALL SIMPSON STRONG-TIE CONNECTORS.

30 BEAM TO BEAM CONNECTION DETAIL

SCALE: NTS

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HORT 355- FALL 2023

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SAFE DIGGING PARTNER

L-55
BEAM-BEAM DETAIL
55 OF 75

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ALL JOISTS TO HAVE
TREX-PROTECT JOIST TAPE
INSTALLED ON T.O. JOIST

SPACING AT 14" O.C.

SPACING AT 8" O.C.

8"

1'-2"

8"

2X10 JOISTS

6"

2X6
JOISTS

$9\frac{1}{2}$"

2X6
JOISTS

1'-4"

8"

7"

2X8 JOISTS

2X6 BRACING
16" O.C.

2X10 JOISTS

2X6 BRACING
FOR DECKING

2X4 BRACING
FOR DECKING
(SEE SHEETS
63 AND 64)

1'

1'

1'

11"

$10\frac{1}{2}$"

1'

2X6 STRUCTURAL BRACING

CUSTOM STAIR STRINGER
(SEE SHEET 61)
STRINGER SPACING SAME
FOR BOTH STAIR SETS

SEE SHEET 57 FOR JOIST-BEAM
CONNECTION DETAILS

0 4 8 12 feet

1/4" = 1'-0"

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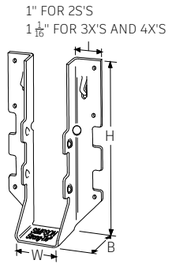
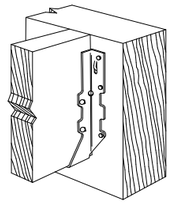
L-56

DECK JOIST LAYOUT
56 OF 75

RIGHT ANGLE JOIST TO BEAM CONNECTION DETAIL



LUS

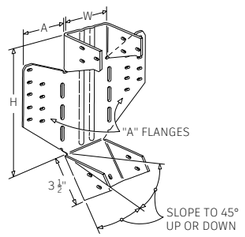


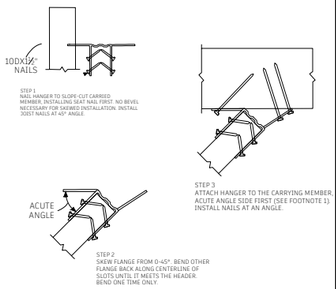
TYPICAL LUS28 INSTALLATION

NOTES:
1. LUS24, LUS26, LUS28 AND LUS210 CONNECTORS FROM SIMPSON STRONG-TIE.
2. FASTENERS: SD9112 (HEADER), SD9212 (JOIST).

ANGLED JOIST TO BEAM CONNECTION DETAIL

LSSR210Z





NOTES:
1. LSSR26Z, LSSR28Z AND LSSR210Z CONNECTORS FROM SIMPSON STRONG-TIE.
2. FASTENERS: 0.148X2½ (FACE), 0.148X1½ (JOIST).
3. FOLLOW 3-STEP INSTALLATION SEQUENCE FOR SKEWED OR SLOPED/SKEWED APPLICATIONS.

NOTES:
1. REFER TO SIMPSON STRONG TIE GENERAL NOTES FOR SPECIFIED FASTENERS.
2. REFER TO SIMPSON STRONG-TIE FOR INSTALLATION INSTRUCTIONS FOR ALL SIMPSON STRONG-TIE CONNECTORS.
3. SPECIFIED HANGERS TO BE USED AS PROFESSIONAL CARPENTER SEES FIT FOR JOIST TO BEAM CONNECTIONS.

31 JOIST TO BEAM CONNECTION DETAILS

SCALE: NTS

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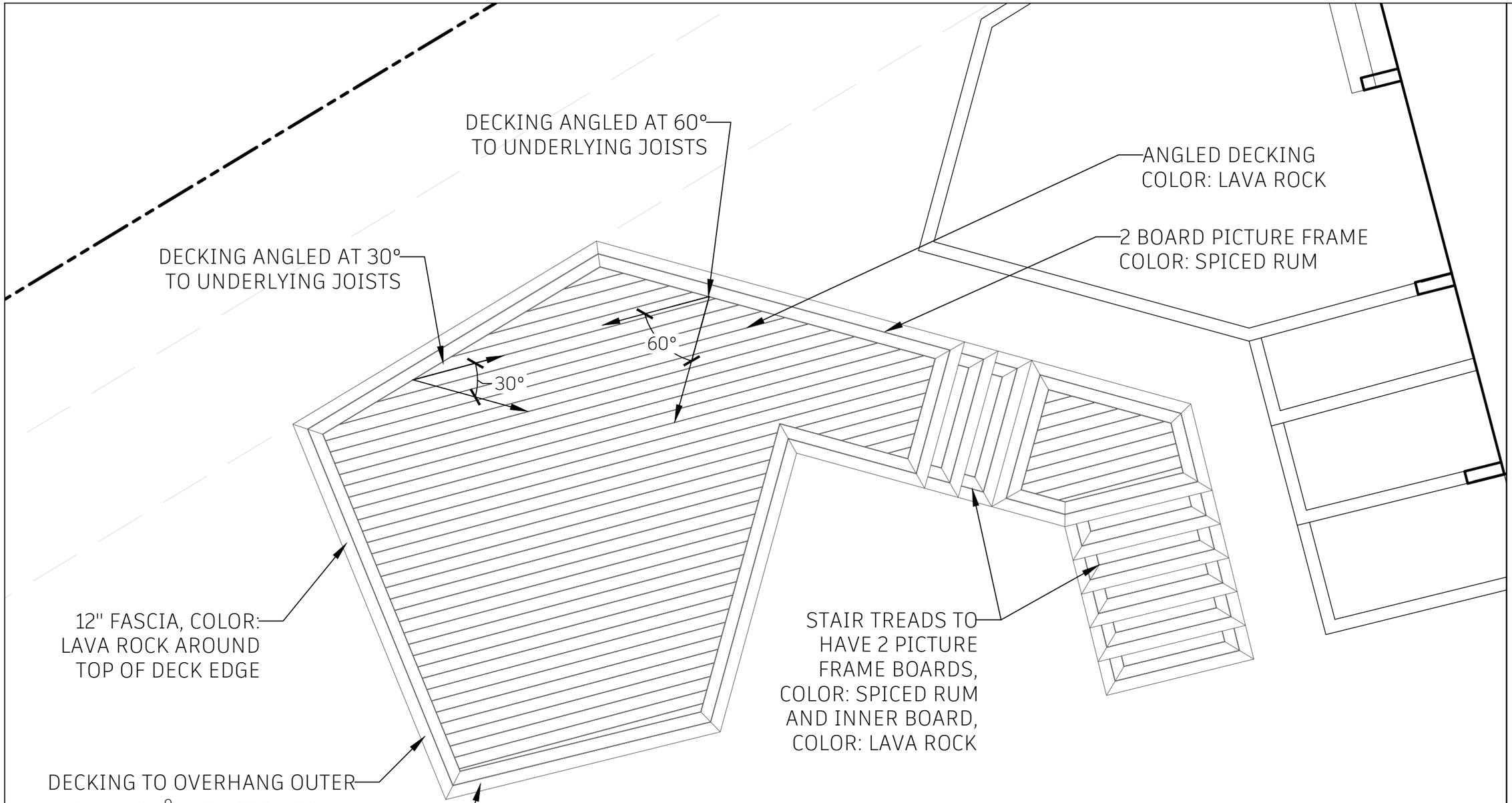
L-57
BEAM-JOIST DETAIL
57 OF 75



0 4 8 12 feet

1/4" = 1'-0"

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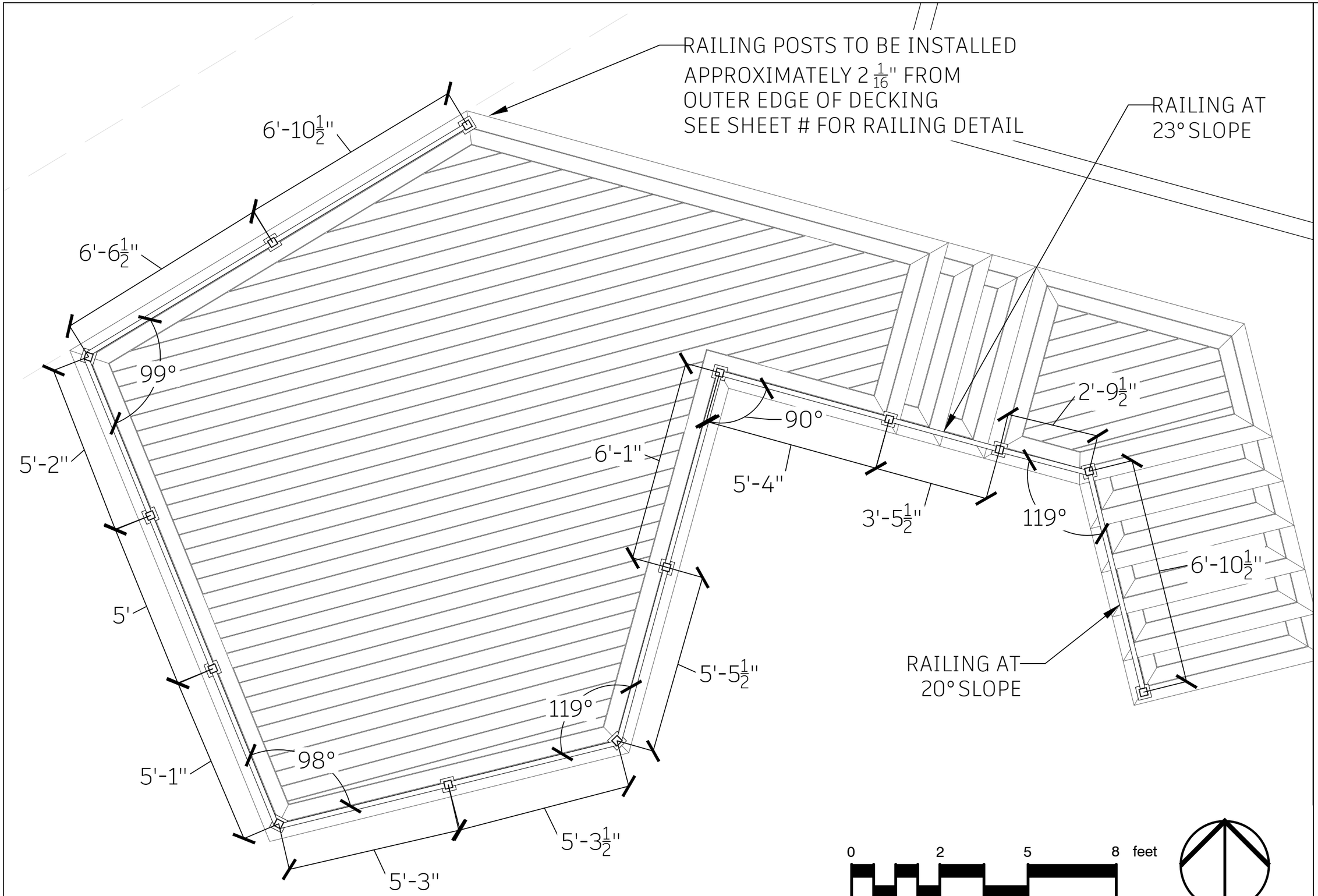
L-58

DECKING LAYOUT

58 OF 75



0 2 5 8 feet

3/8" = 1'-0"

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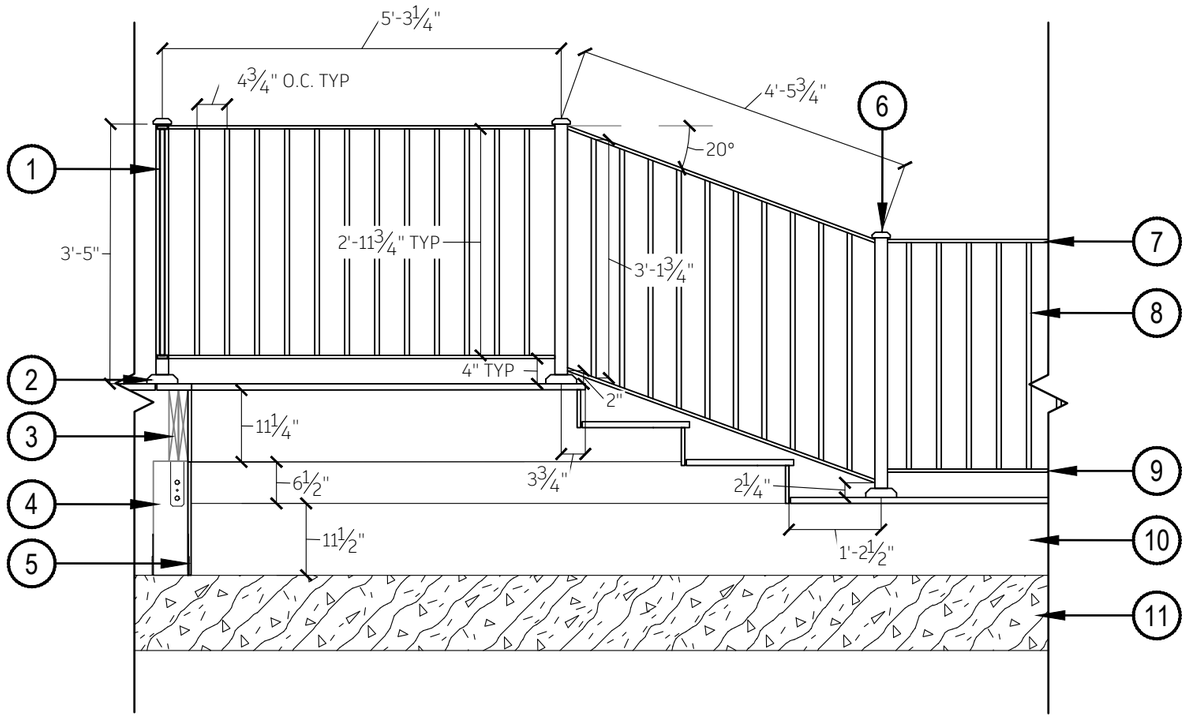
L-59
RAILING LAYOUT
59 OF 75



1. RAILING POST
2. RAILING POST SKIRT
3. 2 2X12 BEAM
4. 6X6 POST
5. TREX LATTICE FASCIA
6. RAILING POST CAP
7. TOP DECK RAIL COVER
8. RAILING BALUSTER
9. BOTTOM DECK RAIL COVER
10. 1"X12"X12' DECK FASCIA
11. SOIL

NOTES:
1. REFER TO MATERIALS SCHEDULE FOR DECKING, RAILING AND FASCIA MATERIALS.
2. REFER TO TREX FOR ALL RAILING AND FASCIA INSTALLATION INSTRUCTIONS.
3. POSTS TO BE INSTALLED USING SDS25412 HEAVY-DUTY CONNECTOR SCREWS FROM SIMPSON STRONG-TIE.
4. CARPENTER TO VERIFY THAT UNDERLYING JOIST SUPPORTS ARE O.C. WITH DRILLED HOLES IN RAILING POST BASE PLATE.
5. MAINTAIN MAXIMUM 4" BETWEEN BALUSTERS AND BETWEEN BALUSTERS AND POSTS.
6. BALUSTERS TO BE CUT AS NEEDED TO MAINTAIN DESIRED RAILING HEIGHT.
7. BOTTOM OF FASICA TO BE TRIMMED AS NEEDED TO FIT EXISTING GRADE.

32 DECK RAILING DETAIL

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

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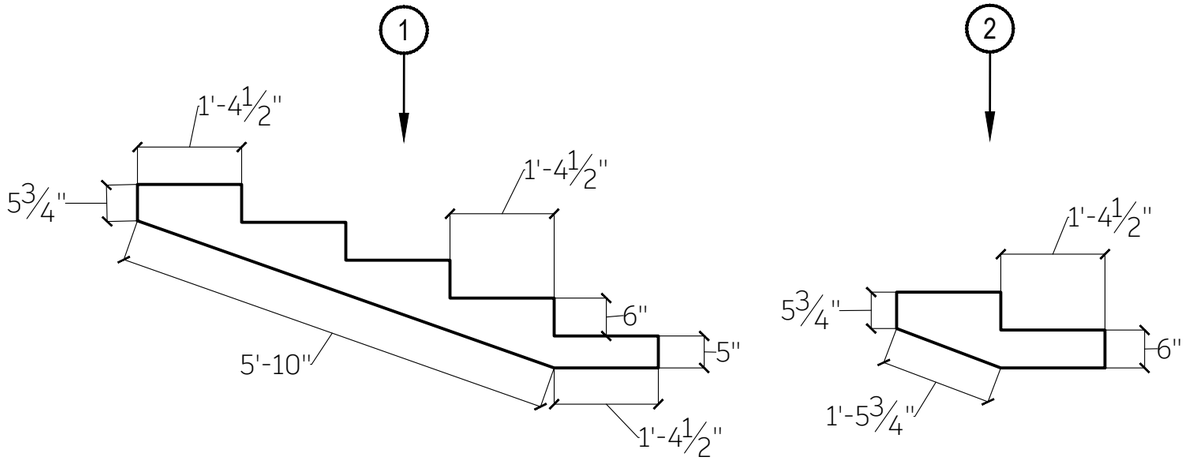
L-60
DECK RAILING DETAIL
60 OF 75



1. LOWER STAIR SET STRINGER
2. UPPER STAIR SET STRINGER

NOTES:
1. STAIR STRINGERS TO BE CUSTOM CUT FROM 2X12 PRESSURE TREATED BOARDS.
2. STAIR RISERS TO BE 6". STAIR TREADS TO BE 1'-4 ½".
3. SEE SHEET 62 FOR STRINGER CONNECTON DETAIL.
4. SEE SHEET 56 FOR STRINGER LAYOUT.

33 CUSTOM DECK STAIR STRINGER DETAIL

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

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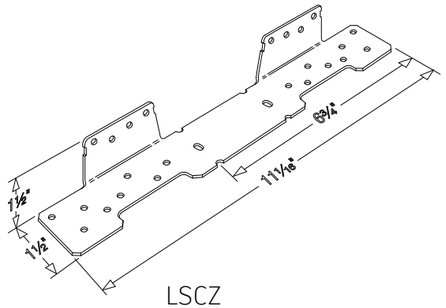
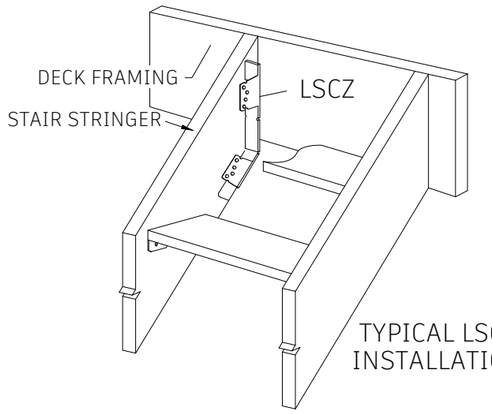
CONTACT 811 BEFORE YOU DIG 811 SAFE DIGGING PARTNER

L-61

DECK STRINGER DETAIL
61 OF 75



LSCZ



TYPICAL LSCZ INSTALLATION

NOTES:

1. STRINGER TO DECK CONNECTOR TO BE LSCZ FROM SIMPSON STRONG-TIE.
2. FASTENERS: NAILS: 8-10DX1½ (RIM JOIST), 8-10DX1½ (STRINGER WIDE FACE), 1-10DX1½ (STRINGER NARROW FACE), OR SCREWS: 8-SD #9X1½ (RIM JOIST), 8-SD #9X1½ (STRINGER WIDE FACE), 1-SD #9X1½ (STRINGER NARROW FACE).
3. BEFORE FASTENING, POSITION THE STAIR STRINGER WITH THE LSCZ ON THE CARRYING MEMBER TO VERIFY WHERE THE BEND SHOULD BE LOCATED.
4. TABS ON THE LSCZ MUST BE POSITIONED TO THE INSIDE OF THE STAIRS.
5. THE FASTENER THAT IS INSTALLED INTO THE BOTTOM EDGE OF THE STRINGER MUST GO INTO THE SECOND-TO-LAST HOLE.
6. A MINIMUM DISTANCE OF ¾" MEASURED FROM THE LOWEST RIM-JOIST FASTENER TO THE EDGE OF RIM JOIST IS REQUIRED.
7. REFER TO SIMPSON STRONG-TIE FOR INSTALLATION INSTRUCTIONS.
8. STRINGER TO DECK CONNECTION TO BE THE SAME FOR ALL STRINGERS.
9. SEE SHEET 61 FOR CUSTOM STAIR STRINGER DIMENSIONS.
10. SEE SHEET 56 FOR STRINGER LAYOUT.

34 STAIR STRINGER TO DECK CONNECTION DETAIL

SCALE: NTS

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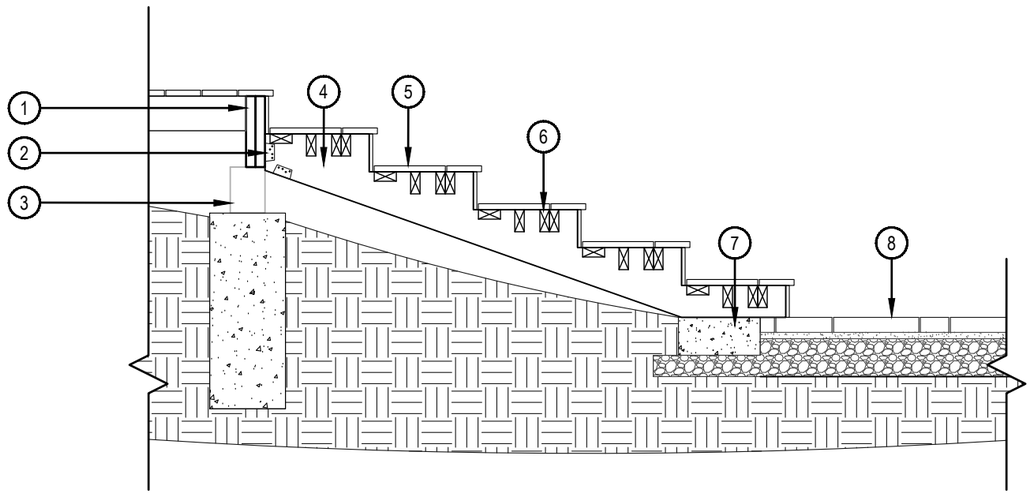
L-62

DECK STAIR CONNECTION DETAIL
62 OF 75



1. 2 2x12 BEAMS
2. LSC ADJUSTABLE STRINGER CONNECTOR (SEE SHEET 62)
3. POST TO BEAM CONNECTION (SEE SHEET 54)
4. CUSTOM STAIR STRINGER (SEE SHEET 61)
5. PICTURE FRAME DECKING (SEE SHEET 58)
6. DECKING BLOCKING (SEE NOTES)
7. CONCRETE PAD (SEE SHEET 65)
8. MANUFACTURED PATIO (SEE SHEET 11)

NOTES:
1. SEE MATERIALS SCHEDULE FOR DECKING AND PATIO MATERIAL.
2. SEE SHEET 61 FOR CUSTOM STAIR STRINGER DETAIL.
3. SEE SHEET 56 FOR STAIR STRINGER TO DECK CONNECTION DETAIL.
4. DECKING BLOCKING TO BE BETWEEN TWO OUTERMOST STRINGERS TO SUPPORT PICTURE FRAME DECKING LAYOUT.
5. CONCRETE PAD TO BE LAID PRIOR TO STAIR AND DECK INSTALLATION.
6. SEE SHEET 65 FOR CONCRETE PAD DETAIL.

35 DECK STAIR SECTION DETAIL 1

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

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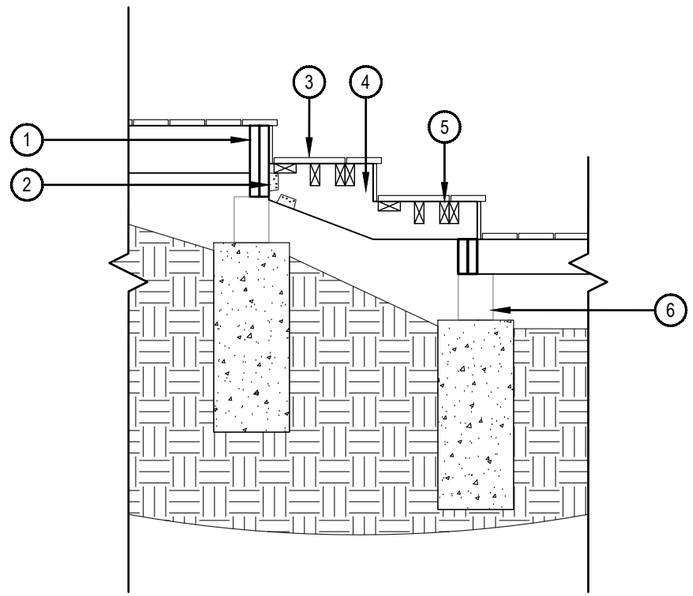
L-63
DECK STAIR SECTION 1
63 OF 75



1. 2 2x12 BEAMS
2. LSC ADJUSTABLE STRINGER CONNECTOR (SEE SHEET 62)
3. PICTURE FRAME DECKING (SEE SHEET 58)
4. CUSTOM STAIR STRINGER (SEE SHEET 61)
5. DECKING BLOCKING (SEE NOTES)
6. POST TO BEAM CONNECTION (SEE SHEET 54)

NOTES:
1. SEE MATERIALS SCHEDULE FOR DECKING MATERIAL.
2. SEE SHEET 61 FOR STAIR STRINGER DETAIL.
3. SEE SHEET 56 FOR STAIR STRINGER TO DECK CONNECTION DETAIL.
4. DECKING BLOCKING TO BE BETWEEN TWO OUTERMOST STRINGERS TO SUPPORT PICTURE FRAME DECKING LAYOUT.

36 DECK STAIR SECTION DETAIL 2

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

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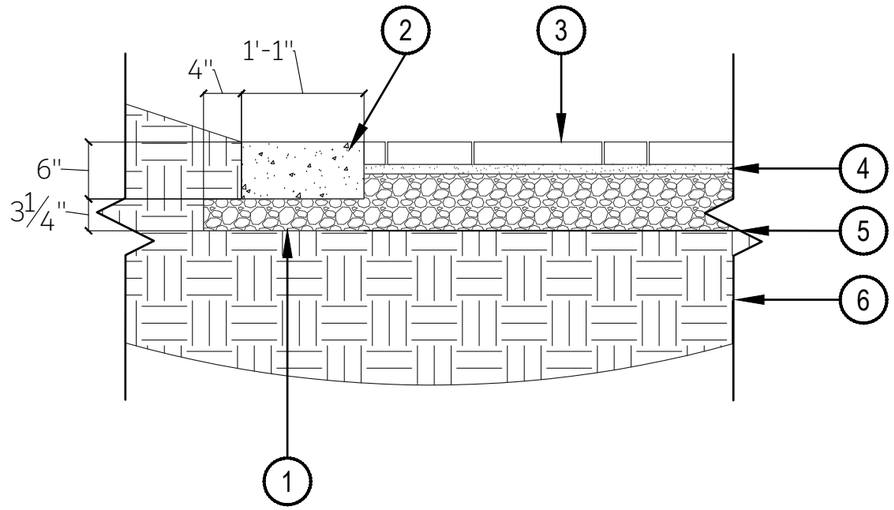
CONTACT 811 BEFORE YOU DIG
811
SAFE DIGGING PARTNER



1. CRUSHED AGGREGATE ROAD BASE
2. CONCRETE PAD
3. MANUFACTURED PATIO
4. SAND SETTING BED
5. GEOTEXTILE FABRIC
6. SOIL

NOTES:
1. SEE MATERIALS SCHEDULE FOR MANUFACTURED PATIO MATERIAL.
2. CONCRETE PAD TO BE LAID ON TOP OF AGGREGATE BASE.
3. CONCRETE PAD TO BE LEVELED AND FLUSH WITH T.O. MANUFACTURED PATIO.
4. SEE SHEET 11 FOR MANUFACTURED PATIO SETTING DETAIL.

37 STAIR STRINGER CONCRETE PAD DETAIL

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

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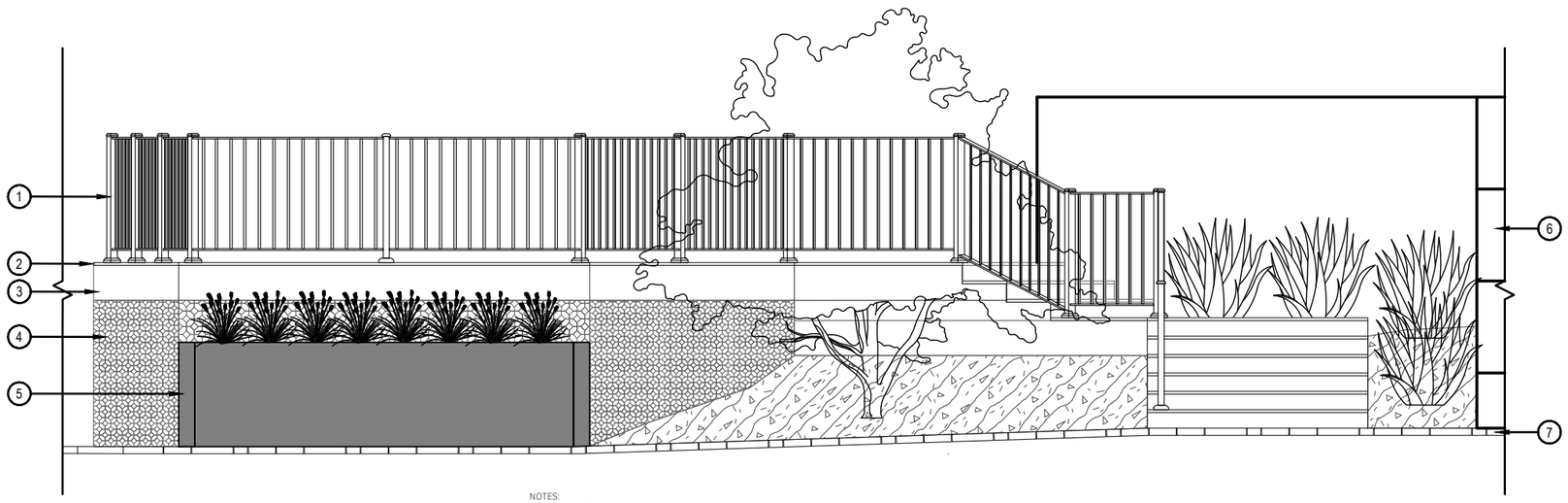
CONTACT 811 BEFORE YOU DIG

L-65
DECK STAIR CONCRETE DETAIL
65 OF 75



1. TREX SIGNATURE RAILING SYSTEM (SEE SHEET 60)
2. TREX DECKING
3. TREX DECKING FASCIA
4. TREX LATTICE FASCIA
5. CUSTOM PLANTER BOX (SEE SHEET 44)
6. CONCRETE RETAINING WALLS
7. MANUFACTURED PATIO (SEE SHEET 11)

NOTES:
1. REFER TO MATERIALS SCHEDULE FOR DECKING, RAILING, FASCIA, PLANTER AND PATIO MATERIALS.
2. TREX LATTICE FASCIA TO BE INSTALLED BELOW 1'X12'X12' LAVA ROCK DECKING FASICA.
3. TREX LATTICE FASICA TO BE INSTALLED WHERE T.O. DECKING IS 2.5' ABOVE FINISH GRADE.
4. SEE SHEET # FOR DECKING FASCIA CUTTING PATTERN.

38 DECK ELEVATION

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

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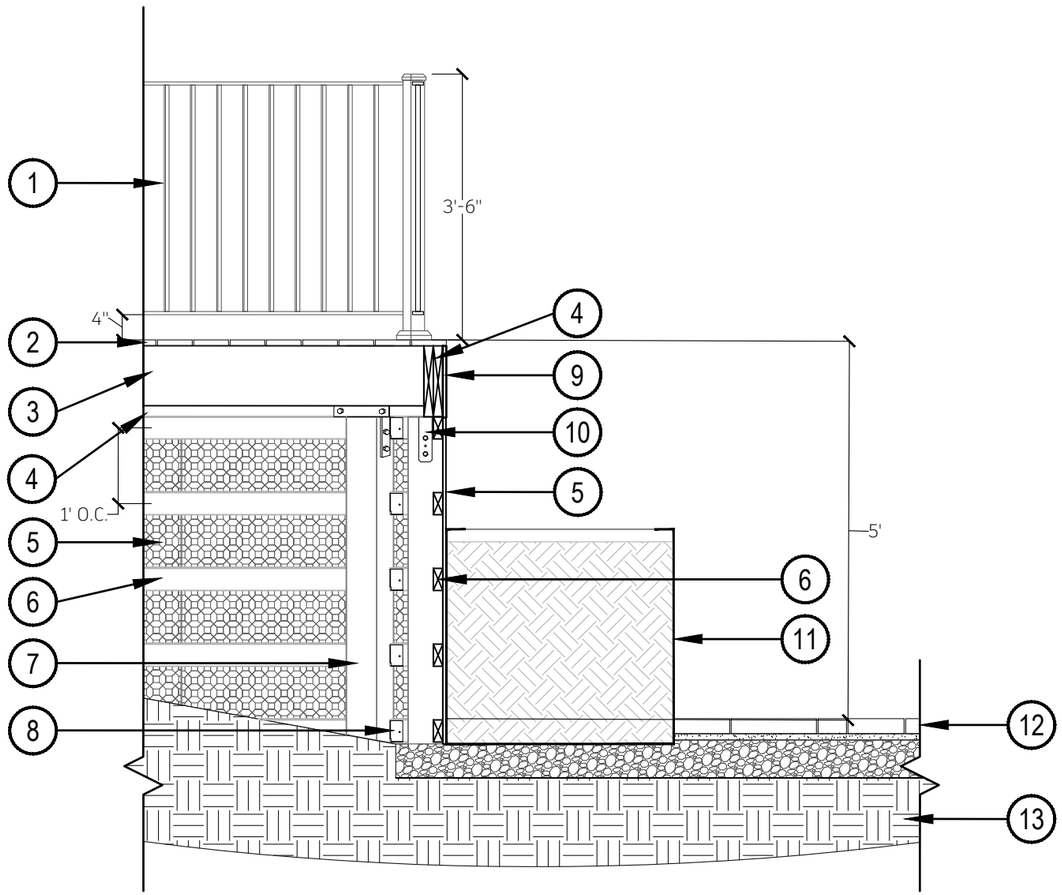
L-66
DECK ELEVATION
66 OF 75



1 DECK RAILING (SEE SHEET 60)

2 DECKING

3 2X10 JOIST

4 2 2X12 DECK BEAM

5 TREX LATTICE FASCIA

6 2x4 LATTICE SUPPORT JOIST

7 6X6 POST

8 APLH24 CONNECTOR (SEE NOTES)

9 TREX FASCIA (SEE NOTES)

10 CC3 POST-BEAM CONNECTOR (SEE SHEET 54)

11 CUSTOM PLANTER BOX (SEE SHEET 44)

12 MANUFACTURED PATIO (SEE SHEET 11)

13 SOIL

NOTES:
1. REFER TO MATERIALS SCHEDULE FOR DECK, FASCIA, RAILINGS, PLANTER AND MANUFACTURED PATIO MATERIALS.
2. LATTICE SUPPORT JOISTS TO HAVE OUTER-FACING SURFACE COVERED IN TREX PROTECT JOIST TAPE.
3. LATTICE SUPPORT JOISTS TO USE APLH24 CONNECTOR FROM SIMPSON STRONG-TIE. FASTENER: SD10112DBB CONNECTOR SCREWS FROM SIMPSON STRONG-TIE.
4. REFER TO SIMPSON STRONG-TIE FOR INSTALLATION INSTRUCTIONS FOR ALL SIMPSON STRONG-TIE CONNECTORS.
5. TREX FASCIA TO BE 1"X12"X12' TREX TRANSCEND. COLOR: LAVA ROCK.
6. BOTTOM OF TREX LATTICE FASCIA TO BE CUT TO FIT, LEAVING MAX $\frac{1}{2}$" OF CLEARANCE TO T.O. SOIL.

39 DECK AND CUSTOM PLANTER SECTION DETAIL

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

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L-67
DECK AND PLANTER SECTION DETAIL
67 OF 75

EXISTING DECIDUOUS
TREES - 25' DIAMETER
TO REMAIN

+106'

SEE SHEET 69 FOR PIER
TO POST CONNECTION DETAIL

SEE SHEET 71 FOR SHADE
PANEL DETAIL

+103'

POB

5'-1½"

4'-11"

15'-5½"

1'-5"

1'-5"

12'-5½"

PIERS ARE 28"
IN DIAMETER

+106'

+103'

0 5 10 16 feet

3/16" = 1'-0"

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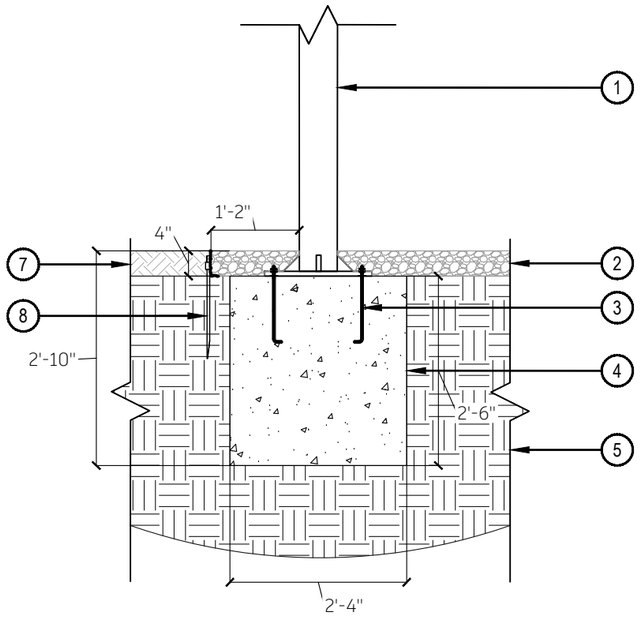
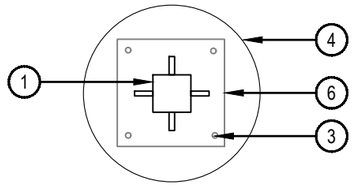
L-68

SHADE SRUCTURE LAYOUT
68 OF 75





1. PARASOLEIL POST
2. CRUSHED AGGREGATE PATIO
3. ANCHOR BOLT (SEE NOTES)
4. CONCRETE PIER (SEE NOTE)
5. SOIL
6. PARASOLEIL BASE PLATE
7. TOP SOIL
8. PERMALOC EDGING (SEE SHEET 74)

NOTES:

1. CONCRETE PIER TO BE POURED TO 30" DEPTH USING 28"X48" BUILDING FORM TUBE CUT TO REQUIRED DEPTH.
2. 28"X48" BUILDING FORM TUBE TO BE SOURCED FROM NEAREST LOCAL DISTRIBUTOR.
3. ANCHOR BOLT TO BE $\frac{1}{2}$" GALVANIZED STEEL BENT ANCHOR BOLT WITH ASTM A563 GRADE A NUT AND USS FLAT WASHER.
4. AGGREGATE PATIO TO EXTEND 1' 2" FROM OUTSIDE EDGE OF PARASLEIL POST.
5. AGGREGATE PATIO TO BE 4" DEEP.
6. SEE SHEET 74 FOR AGGREGATE PATIO SETTING DETAIL.

40 SHADE STRUCTURE POST TO PIER CONNECTION

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

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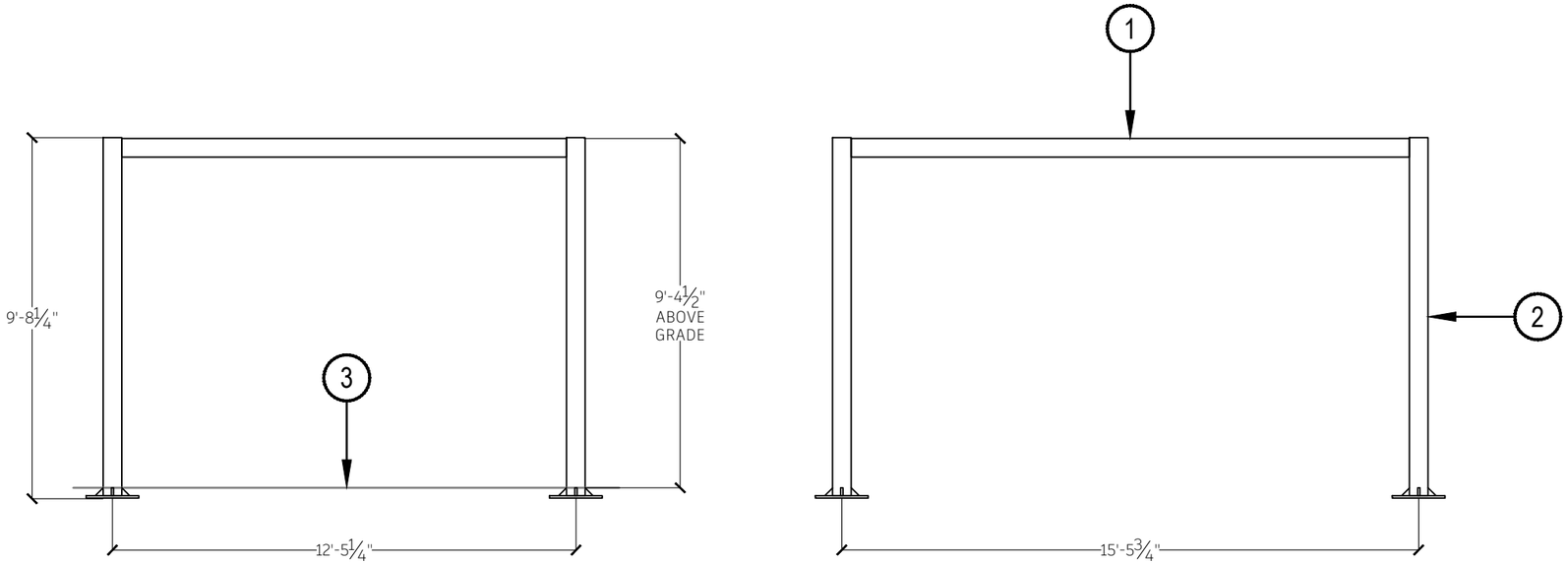
L-69
SHADE STRUCTURE CONNECTION DETAIL
69 OF 75



1. PARASOLEIL BEAM
2. PARASOLEIL POST
3. FINISH GRADE

NOTES:
1. AGGREGATE PATIO TO COVER POST-PIER CONNECTION. AGGREGATE PATIO TO BE 4" DEEP.
2. REFER TO PARASOLEIL INSTALLATION INSTRUCTIONS.

41 SHADE STRUCTURE ELEVATION

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

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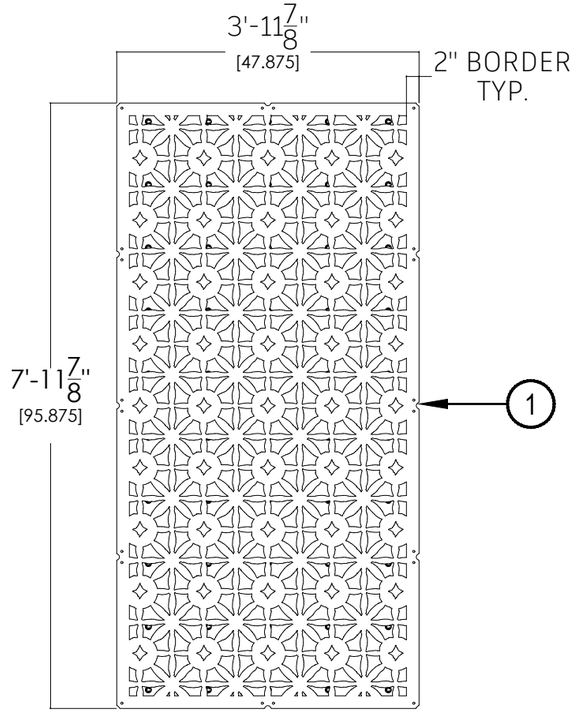
L-70
SHADE STRUCTURE ELEVATION
70 OF 75



1 PARASOLEIL SAMPOERNA PANEL

NOTES:
1. SEE MATERIALS SCHEDULE FOR SHADE STRUCTURE MATERIALS.
2. STANDARD PANEL SIZE SHOWN. ACTUAL PANEL DIMENSIONS TO BE 47 7/8" WIDE, 59 7/8" LONG.
3. SHADE PANELS TO BE DIRECT MOUNTED FOLLOWING PARASOLEIL INSTALLATION INSTRUCTIONS.
4. FASTENERS: REFER TO PARASOLEIL INSTALLATION INSTRUCTIONS.

42 SHADE STRUCTURE PANEL DETAIL

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

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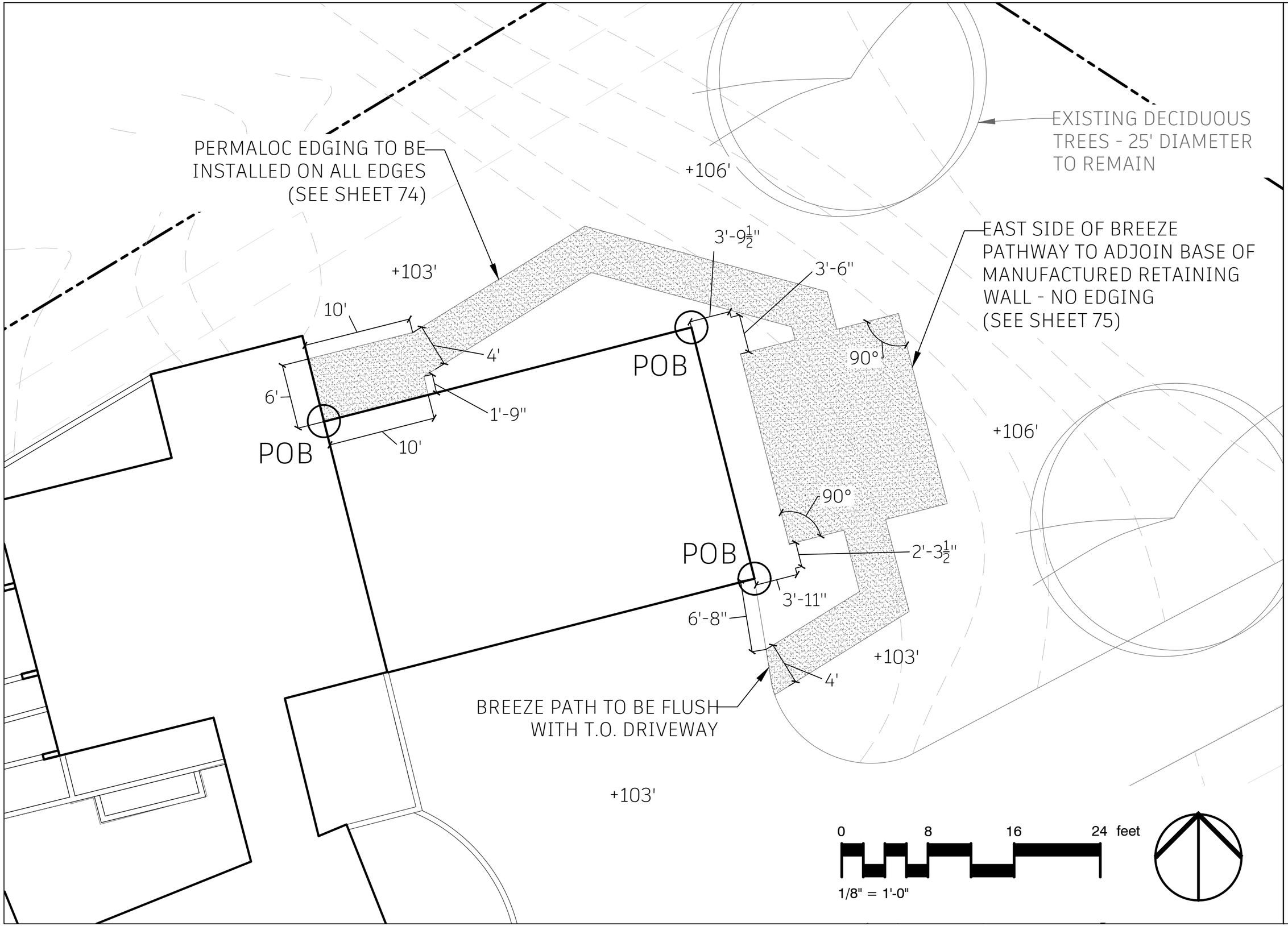
L-71
SHADE STRUCTURE PANEL DETAIL
61 OF 75



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L-72
AGGREGATE PATH LAYOUT
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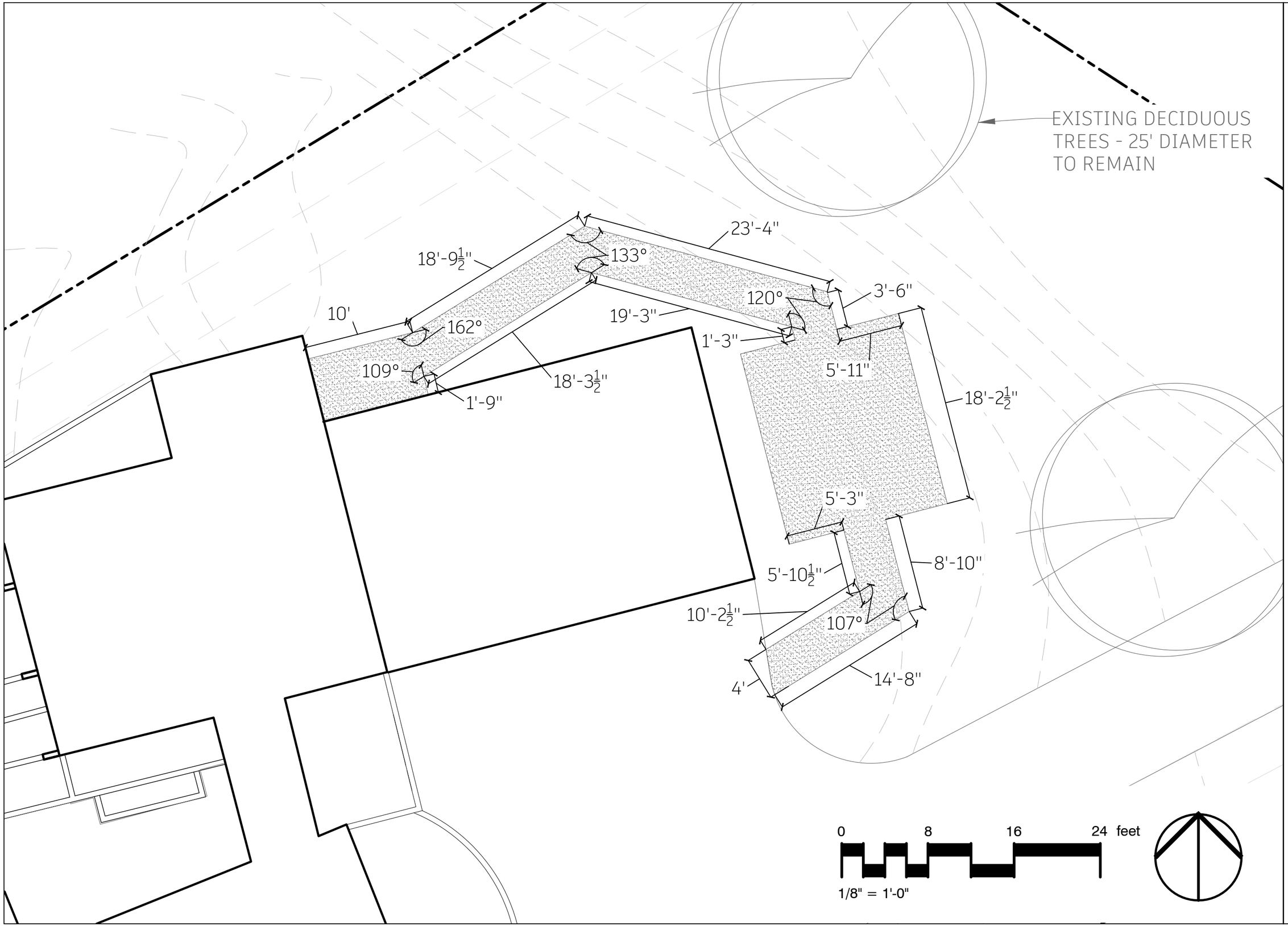

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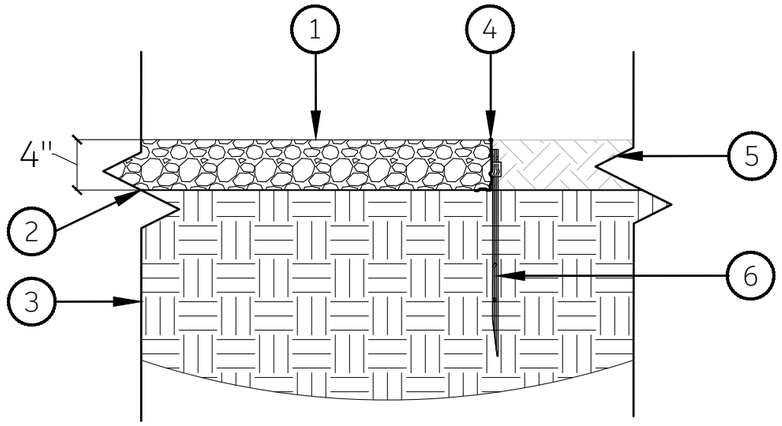
AGGREGATE PATH DIM



1. BREEZE
2. FILTER FABRIC
3. COMPACTED SOIL
4. PERMALOC EDGING
5. TOPSOIL (SEE NOTES)
6. 12" ALUMUNUM STAKES

NOTES:
1. SEE MATERIAL SCHEDULE FOR BREEZE, FILTER FABRIC AND EDGING MATERIALS.
2. T.O. EDGING TO BE MAX $\frac{1}{2}$" ABOVE SURFACE MATERIAL.
3. COMPACT GRADES ADJACENT TO EDING TO AVOID SETTLING.
4. COMPACTION OF BREEZE PATH TO OCCUR IN 2" LIFTS.

43 AGGREGATE PATH SETTING & EDGE DETAIL

SCALE: 1" = 1'-0"

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L-74
AGGREGATE PATH SETTING DETAIL
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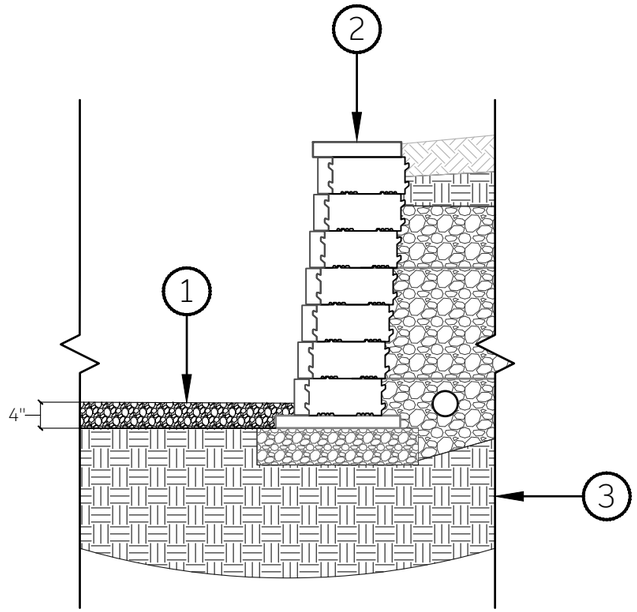

1. BREEZE PATH (SEE SHEET 74)
2. MANUFACTURED RETAINING WALL (SEE SHEET 30)
3. COMPACTED SOIL

NOTES:
1. SEE MATERIAL SCHEDULE FOR BREEZE, FILTER FABRIC AND MANUFACTURED WALL MATERIALS.
2. NO EDGING TO BE INSTALLED ALONG BREEZE-WALL INTERFACE.
3. COMPACTION OF BREEZE PATH TO OCCUR IN 2" LIFTS.

44 AGGREGATE PATH & MANUFACTURED WALL DETAIL

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

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AGGREGATE PATH AND WALL DETAIL
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