



VILLAGE OF PERRY, NEW YORK
NOTICE TO BIDDERS
SILVER LAKE TRAIL EXTENSION BOARDWALK

Notice is hereby given that sealed bids are being solicited for Silver Lake Trail Extension Boardwalk in accordance with the information provided in the attached drawings.

Sealed bids will be received until **Monday, April 6th at 2:00pm** at which time they will be opened. Bids should be sent via parcel delivery or U.S. Mail to:

Village of Perry
Attn: Samantha Marcy, SLT Boardwalk Bid
46 North Main Street
Perry, NY 14530

The work will consist of furnishing all necessary labor, materials and equipment required for the installation of a boardwalk from the Village parking lot on Main Street to Borden Avenue.

The work includes two sets of wood framed stairs on each end and a 6-foot wide, approximately 250-foot length boardwalk, made of pressure treated wood (posts, structure, railings, composite decking and foundation/concrete work required to complete the construction as shown on the plans, specified herein and directed by the Engineer.) Target construction start date would be Summer 2026.

Bid Documents are available on the Village of Perry's website at www.villageofperry.ny.gov/public-notices/.

A site visit will be held on Monday, March 16th at 2:30pm. The Village will compile and distribute a list of interested parties for the carpentry and foundation scopes of work after the project walkthrough. Questions can be received until Friday, March 20th, and answers will be published on the Village's website by 12:00pm on Thursday, March 26th.

Bids shall be in a sealed envelope bearing the words, "**VILLAGE OF PERRY BOARDWALK CONSTRUCTION PROJECT-2026.**"

Bid packages must include the following:

- Name, address, and contact person for the responsive firm
- Detailed pricing for construction of the boardwalk with costs broken out for labor, materials, equipment, and other costs.
- A statement acknowledging that the bidder has current certificates, licenses, and permits from the state and federal government as required to perform this work (copies will be required to be included in final contract).

- Anticipated start date and duration of work
- A signed statement from an authorized firm principal that all elements of the submittal are true and accurate, and that the bid price is good for a period of 90 days from submittal.

The Village reserves the right to reject any and/or all bids and to re- advertise for new bids. All inquiries, questions, clarification, etc., are required to be submitted in writing to Samantha Marcy at smarcy@villageofperryryny.gov.

STRUCTURAL DESIGN LOADS

DESIGN LOADS PER 2020 NEW YORK STATE BUILDING CODE:

DEAD WEIGHT OF BOARDWALK STRUCTURE:	15 PSF
GROUND SNOW LOAD (P _g):	40 PSF
LIVE LOAD:	100 PSF
DESIGN WIND SPEED (3-SECOND GUST):	110 MPH (V)
NOMINAL DESIGN WIND SPEED (3-SECOND GUST):	85 MPH (V _{base})
BUILDING RISK CATEGORY:	II
WIND EXPOSURE CATEGORY:	"B"
SEISMIC IMPORTANCE FACTOR (I _e):	1.0
MAPPED SPECTRAL RESPONSE ACCELERATION S _s :	0.171
MAPPED SPECTRAL RESPONSE ACCELERATION S ₁ :	0.047
SITE CLASSIFICATION:	"A"
SPECTRAL RESPONSE COEFFICIENT S _{DS} :	0.091
SPECTRAL RESPONSE COEFFICIENT S _{D1} :	0.025
SEISMIC DESIGN CATEGORY:	"A"

EARTHWORK NOTES

- THE FOUNDATION DESIGN FOR THIS STRUCTURE IS BASED ON THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL EVALUATION REPORT FOR PEDESTRIAN BRIDGE AND TRAIL PROJECT - PERRY, SOUTH MAIN STREET, PERRY, NEW YORK PREPARED BY FOUNDATION DESIGN, P.C. DATED JANUARY 22, 2022. NET ALLOWABLE SOIL BEARING PRESSURE = 5,000 PSF.
- THE SUITABILITY AND STABILITY OF EXISTING SOILS, THE DEPTHS AND LATERAL LIMITS OF UNSUITABLE MATERIAL TO BE REMOVED, AND ADEQUACY OF FOUNDATION BEARING GRADES SHALL BE DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER.
- PREPARE FOUNDATION SUBGRADE SOILS IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. ALL FOOTINGS ARE TO BE PLACED ON CLEAN, DRY, LEVEL, COMPACTED STRUCTURAL FILL (OR COMPETENT BEDROCK) THAT HAS BEEN INSPECTED AND APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER. ALL STRUCTURAL FILL MUST BE COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D1557. BEARING SURFACES ARE TO BE INSPECTED AND APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER.
- IMPORTED STRUCTURAL FILL PLACED AS FILL BENEATH PROPOSED FOUNDATIONS AND AS BACKFILL AGAINST PROPOSED FOUNDATIONS SHALL BE A MATERIAL CONSISTING OF PREDOMINATELY GRANULAR SOILS, FREE FROM ORGANIC MATTER, CLAY, ICE, DEBRIS, OR OTHER DELETERIOUS MATERIAL. STRUCTURAL FILL SHALL CONSIST OF A WELL-GRADED MATERIAL CONFORMING TO THE REQUIREMENTS OF THE GEOTECHNICAL REPORT. THE PROPOSED MATERIAL FOR STRUCTURAL FILL SHALL BE REVIEWED AND APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER.
- ALL FILL MATERIAL PLACED BENEATH FLOOR SLABS AND FOUNDATIONS, AND AGAINST FOUNDATIONS SHALL BE SPREAD IN MAXIMUM 12" THICK LAYERS AND UNIFORMLY COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D1557). IN OVEREXCAVATED AREAS OR CONFINED AREAS, THE FILL SHALL BE PLACED IN MAXIMUM 6" THICK LIFTS AND COMPACTED TO 95% USING A MANUALLY OPERATED COMPACTOR.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO ADEQUATELY CONTROL SURFACE RUNOFF AND GROUNDWATER SEEPAGE ON A CONTINUOUS BASIS DURING CONSTRUCTION. NO SURFACE RUNOFF OR GROUNDWATER WILL BE PERMITTED TO ENTER CONSTRUCTION EXCAVATIONS. ALL BACKFILL OPERATIONS SHALL BE CONDUCTED IN DRY AREAS ONLY.
- ALL EXCAVATIONS SHALL FULLY CONFORM TO ALL LOCAL, STATE AND FEDERAL SAFETY REGULATIONS. REFER TO PROJECT GEOTECHNICAL EVALUATION FOR EXCAVATION RECOMMENDATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND INSTALLATION OF TEMPORARY SUPPORTS THAT MAY BE REQUIRED FOR EXCAVATIONS INCLUDING SHORING, SHEETING AND BRACING, SO THAT NO HORIZONTAL MOVEMENT AND/OR VERTICAL SETTLEMENT OCCURS WITH RESPECT TO EXISTING STRUCTURES, ROADS, SOILS, OR UTILITIES ADJACENT TO THE AREA OF WORK.
- ONCE CONCRETE IS PLACED IN THE EXCAVATION THE FOUNDATIONS SHOULD BE BACKFILLED WITH APPROVED MATERIAL AS SOON AS IT IS SAFE TO DO SO WITHOUT CAUSING DAMAGE TO THE NEW CONSTRUCTION. REFER TO NOTE #9 FOR ADDITIONAL REQUIREMENTS.
- BACKFILL BOTH SIDES OF FOUNDATION WALLS IN EQUAL, ALTERNATE LIFTS IN ORDER TO AVOID IMPOSING EXCESSIVE UNBALANCED LATERAL PRESSURE ON THE WALLS.
- BACKFILL MATERIALS REQUIRED AS A RESULT OF OVER-EXCAVATION BY THE CONTRACTOR WITHOUT PRIOR APPROVAL SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- TOP OF FOUNDATION ELEVATIONS ALONG HIGH SIDE OF BANK ARE MAXIMUM ELEVATIONS, AND SHALL BE LOWERED AS REQUIRED BY THE FOUNDATION CONTRACTOR SO PROJECTION DOES NOT EXCEED 5'-8" ABOVE LOWEST CONTACTING GRADE. TOP OF FOUNDATION ELEVATIONS MAY BE LOWERED TO THE ELEVATION OF CORRESPONDING PER ON LOW SIDE OF BANK PROVIDED THAT EXISTING GRADE CAN BE REWORKED TO A STABLE FINAL CONDITION. THE PROJECTION OF CONCRETE PIERS ABOVE HIGHEST CONTACTING GRADE SHALL BE A MINIMUM OF 2' WHERE REWORK OF BANK DOES NOT PERMIT. FINISHED GRADE ELEVATIONS SHALL BE RESTORED WITHIN +/- 4" OF THE FINISHED GRADE ELEVATIONS NOTED ON PLAN.
- ALLOW PROJECT GEOTECHNICAL ENGINEER TO INSPECT AND APPROVE ALL COMPACTED SUBGRADE AND EXISTING COMPETENT BEDROCK FOR DIRECT SUPPORT OF FOUNDATIONS PRIOR TO FURTHER BACKFILL AND/OR PLACEMENT OF CONCRETE. INSPECTION PROGRAM SHALL BE AS RECOMMENDED BY THE PROJECT GEOTECHNICAL ENGINEER AND AS APPROVED BY THE OWNER.

FOUNDATION CONSTRUCTION NOTES

- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND ELEVATIONS OF THE EXISTING SITE AS SHOWN ON THESE DRAWINGS AND IMMEDIATELY REPORT TO THE STRUCTURAL ENGINEER ANY AND ALL DISCREPANCIES OR OMISSIONS.
- ALL WORK SHALL BE SHALL CONFORM WITH FEDERAL STATE AND LOCAL LAWS, ORDINANCES AND MANDATES WITH RESPECT TO SAFE GUARDING PERSONNEL ON THE WORK PREMISE, HANDLING AND DISPOSAL OF CONSTRUCTION MATERIALS (INCLUDING HAZARDOUS MATERIALS AS APPLICABLE), AND MAINTENANCE OF EXISTING SERVICES AND UTILITIES WHILE WORK IS IN PROGRESS.
- ALL REINFORCING WORK SHALL COMPLY WITH APPLICABLE ACI AND AWS REQUIREMENTS, INCLUDING ACI 301, ACI 315, ACI 318 AND AWS D12.1. COMPLY WITH CRSI'S 'MANUAL OF STANDARD PRACTICE'. PROVIDE CONCRETE COVER OVER REINFORCING IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318.
- CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF ACI REQUIREMENTS FOR HOT-WEATHER AND COLD-WEATHER CONCRETE WORK, AND THE REQUIREMENTS AND STANDARDS FOR DESIGN AND CONSTRUCTION OF ALL FORMWORK.
- EXTERIOR CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI @ 28 DAYS WITH 6% - 8% ENTRAINED AIR. EXPOSED CONCRETE SURFACES SHALL HAVE A RUBBED FINISH.
- ALL REBAR SHALL CONFORM TO ASTM A615, GRADE 60.
- STEP FOOTINGS BELOW ALL SANITARY, WATER AND OTHER UTILITY LINES.
- SECTIONS INDICATED ON PLAN ARE TYPICAL FOR SIMILAR CONDITIONS.
- DO NOT SCALE FOUNDATION DRAWINGS.

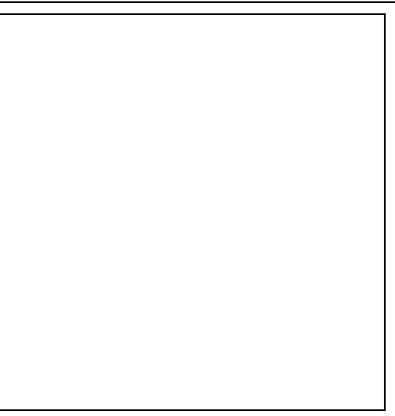
WOOD FRAMING CONSTRUCTION NOTES

- WOOD FRAMING SHALL BE PRESSURE TREATED AND CONFORM TO SOUTHERN YELLOW PINE #2 OR BETTER.
- THE MINIMUM FASTENER REQUIREMENTS OF CONNECTED WOOD BUILDING ELEMENTS SHALL BE PER IBC TABLE 2304.10.1 UNLESS OTHERWISE NOTED ON STRUCTURAL PLANS, DETAILS AND SPECIFICATIONS.
 - DECK BOARDS TO JOISTS: (2) - #10 SCREWS X 3" LONG PER DECK BOARD AT EACH JOIST. SCREWS SHALL BE CORROSION RESISTANT COMPATIBLE WITH COMPOSITE DECKING AND PRESSURE TREATED WOOD FRAMING.
 - GUARD RAILS AND TOP RAIL: #10 SCREWS X 3" LONG AT 16" O.C. MAXIMUM SPACING. PROVIDE (2) SCREWS AT EACH RAIL TO POST CONNECTION. SCREWS SHALL BE CORROSION RESISTANT COMPATIBLE WITH COMPOSITE DECKING AND PRESSURE TREATED WOOD FRAMING.
 - HANGERS, TIES, STRAPS AND CLIPS WITH FASTENERS AS PER MANUFACTURER'S PUBLISHED INSTRUCTIONS.
- PROVIDE AND INSTALL STEEL WASHERS UNDERNEATH ALL BOLT HEADS AND NUTS BEARING AGAINST WOOD FRAMING.
- PROVIDE AND INSTALL TEMPORARY BRACING OF WOOD STRUCTURE UNTIL ALL PERMANENT CONNECTIONS AND SUPPORTING ELEMENTS ARE COMPLETE PER THE STRUCTURAL PLANS, DETAILS AND SPECIFICATIONS.
- DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ELEVATIONS OF EXISTING (AS BUILT) CONSTRUCTION AS SHOWN ON THESE DRAWINGS. DEVIATIONS GREATER THAN +/- 6" SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
- VERIFY BOARDWALK FINISHED DECK ELEVATION AND EXISTING GRADE ELEVATION AT TOP OF WOOD FRAMED STAIRS PRIOR TO CONSTRUCTION. STAIR DIMENSIONS SHALL BE ADJUSTED BY THE CONTRACTOR AS REQUIRED FOR DEVIATIONS. THE MAXIMUM STAIR RISER HEIGHT SHALL BE LIMITED TO 7", AND THE MINIMUM TREAD WIDTH SHALL BE 11" FROM NOSE TO NOSE.
- THE BASIS OF GUARDRAIL AND HANDRAIL CONSTRUCTION AS SHOWN ON THESE PLANS AND DETAILS IS SIMILAR CONSTRUCTION OF ELEVATED, SLOPED RAMP ADJACENT TO THE PROJECT SITE. ALL DETAILS OF THE PROPOSED OR ANY ALTERNATE GUARDRAIL AND HANDRAIL SYSTEM SHALL BE APPROVED BY THE OWNER, VILLAGE OF PERRY.
- SECTIONS INDICATED ON PLAN ARE TYPICAL FOR SIMILAR CONDITIONS.

MISC. STEEL AND FASTENER NOTES

- UNLESS OTHERWISE NOTED ON PLANS AND DETAILS, ALL ANCHORS AND FASTNERS SHALL BE GALVANIZED.
- EPOXY ANCHORED AND CAST-IN-PLACE ANCHORS RODS SHALL CONFORM TO F1554, GRADE 55 (WELDABLE).
- THE MINIMUM FASTENER REQUIREMENTS OF CONNECTED WOOD BUILDING ELEMENTS SHALL BE PER IBC TABLE 2304.10.1 UNLESS OTHERWISE NOTED ON STRUCTURAL PLANS, DETAILS AND SPECIFICATIONS.
- PROVIDE AND INSTALL STEEL WASHERS UNDERNEATH ALL BOLT HEADS AND NUTS BEARING AGAINST WOOD FRAMING.
- ALL POST INSTALLED MECHANICAL AND ADHESIVE ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.

RKW Engineering, P.C.
 STRUCTURAL ENGINEERING CONSULTANTS
 5569 West Henrietta Road
 West Henrietta, NY 14586
 Tel: 585-359-1578



NO.	REVISION	BY	DATE

DRAWING TITLE
**BOARDWALK
 STRUCTURAL NOTES**

SCALE
 AS NOTED

DRAWN BY
 CAD

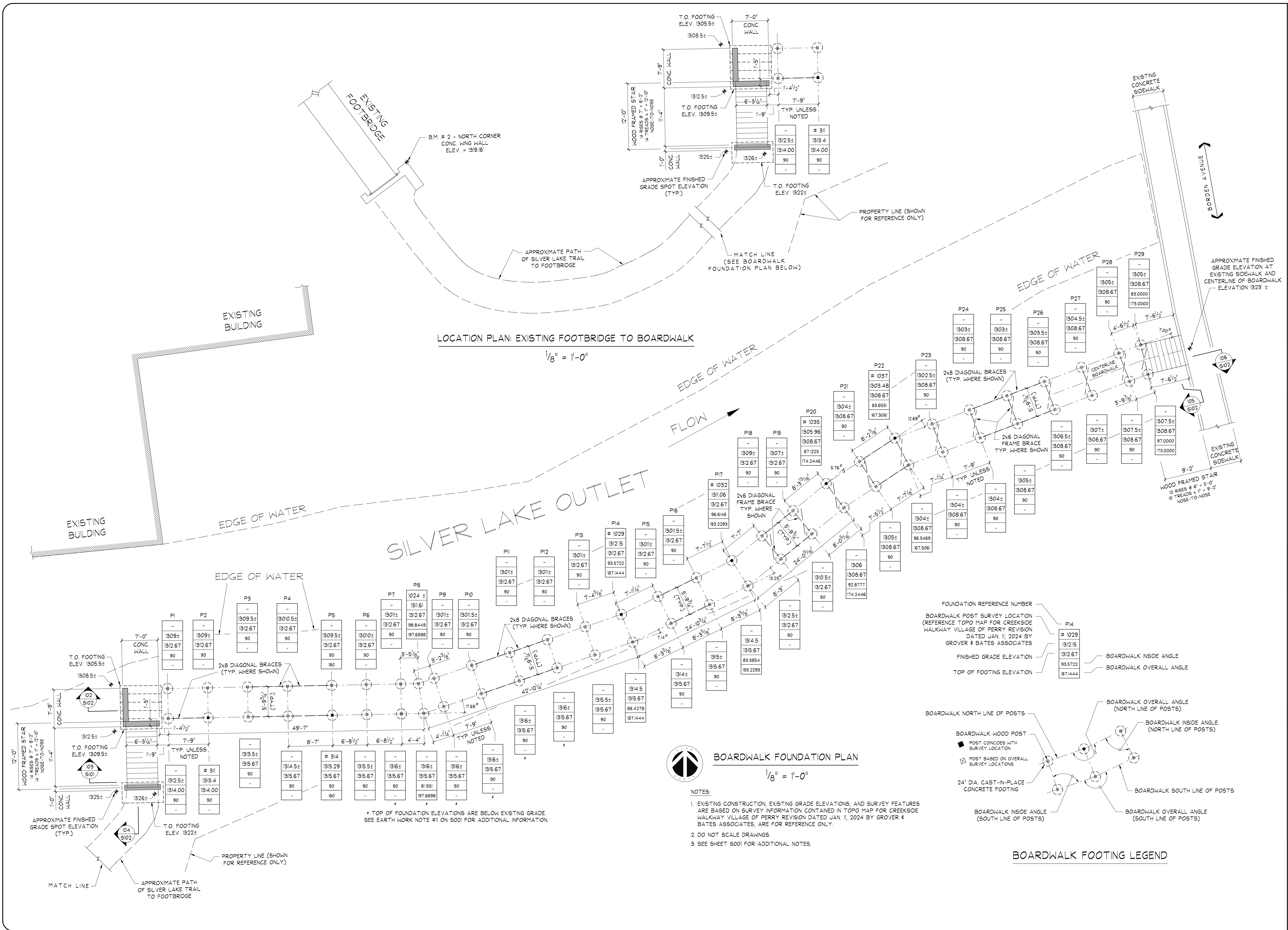
DATE
 FEB. 13, 2024

PROJECT NO.
 23076

PROJECT TITLE
**SILVER LAKE TRAIL EXTENSION
 BORDEN AVE. BOARDWALK**

VILLAGE OF PERRY
 46 N. MAIN STREET
 PERRY, NY 14550

DRAWING NO.
S001



LOCATION PLAN: EXISTING FOOTBRIDGE TO BOARDWALK
 1/8" = 1'-0"

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DRAWING TITLE
BOARDWALK FOUNDATION PLAN

PROJECT NO.
 23076

SCALE
 AS NOTED

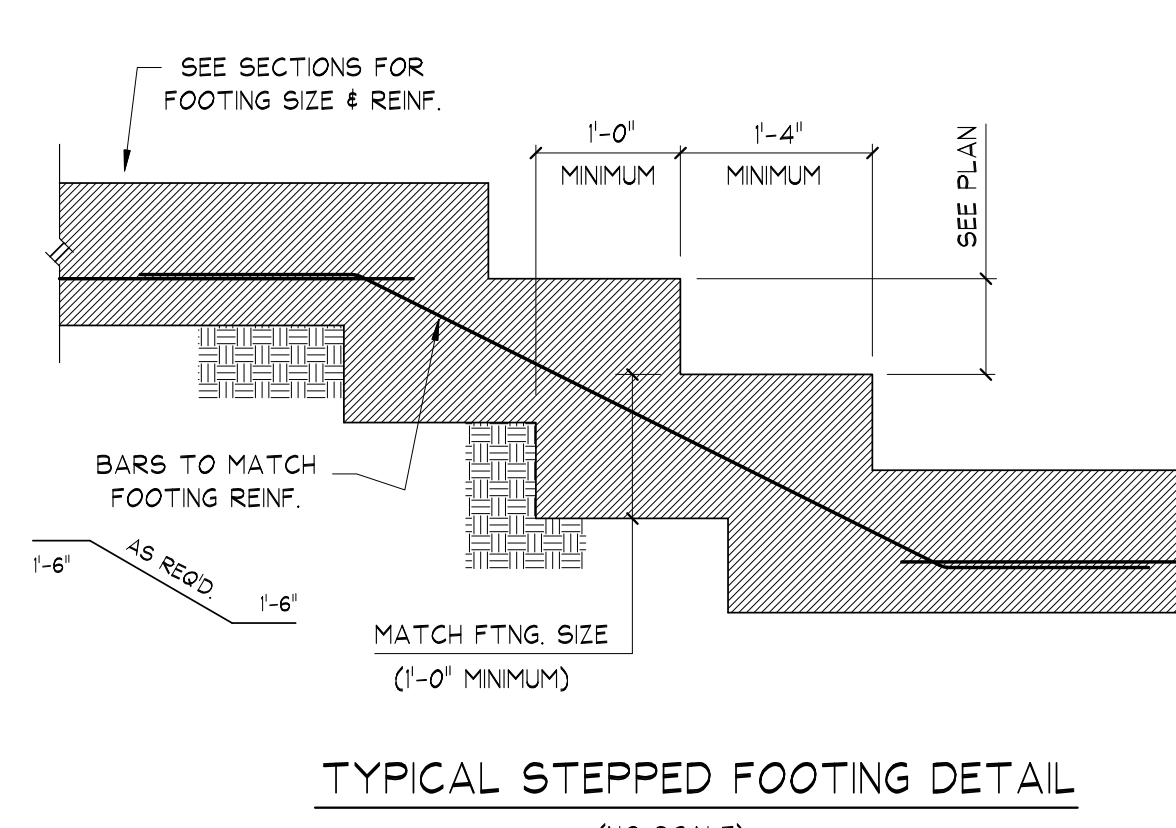
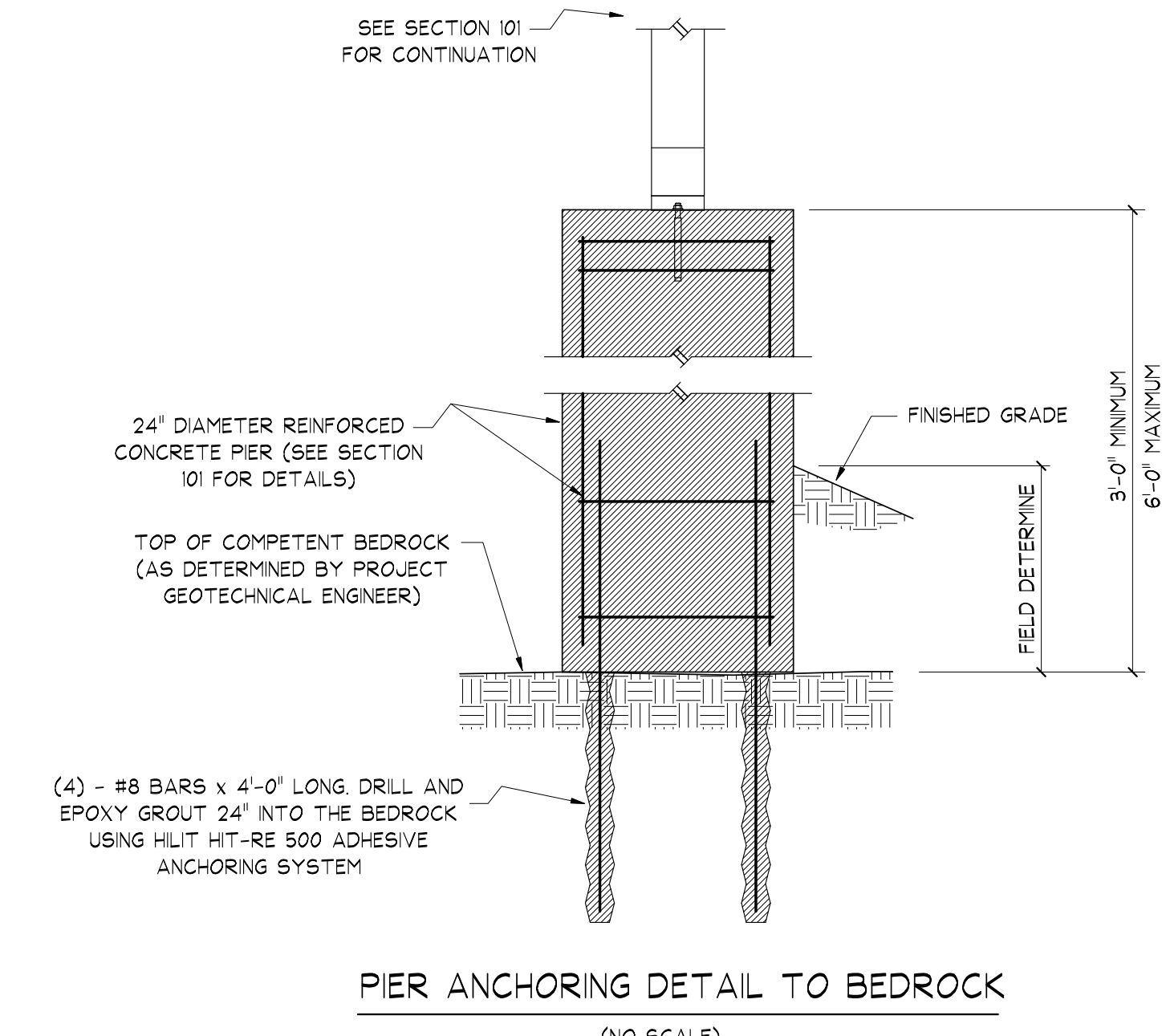
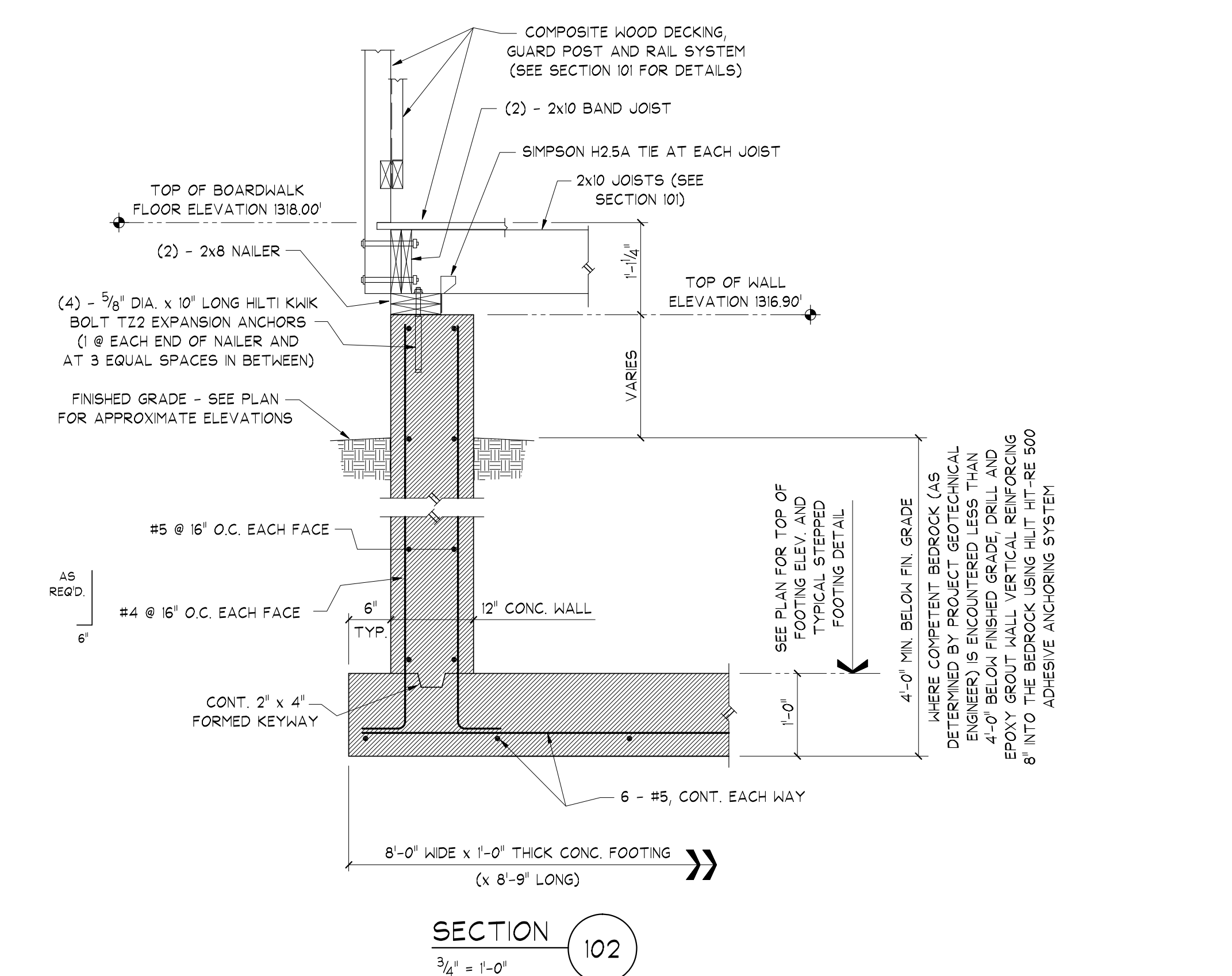
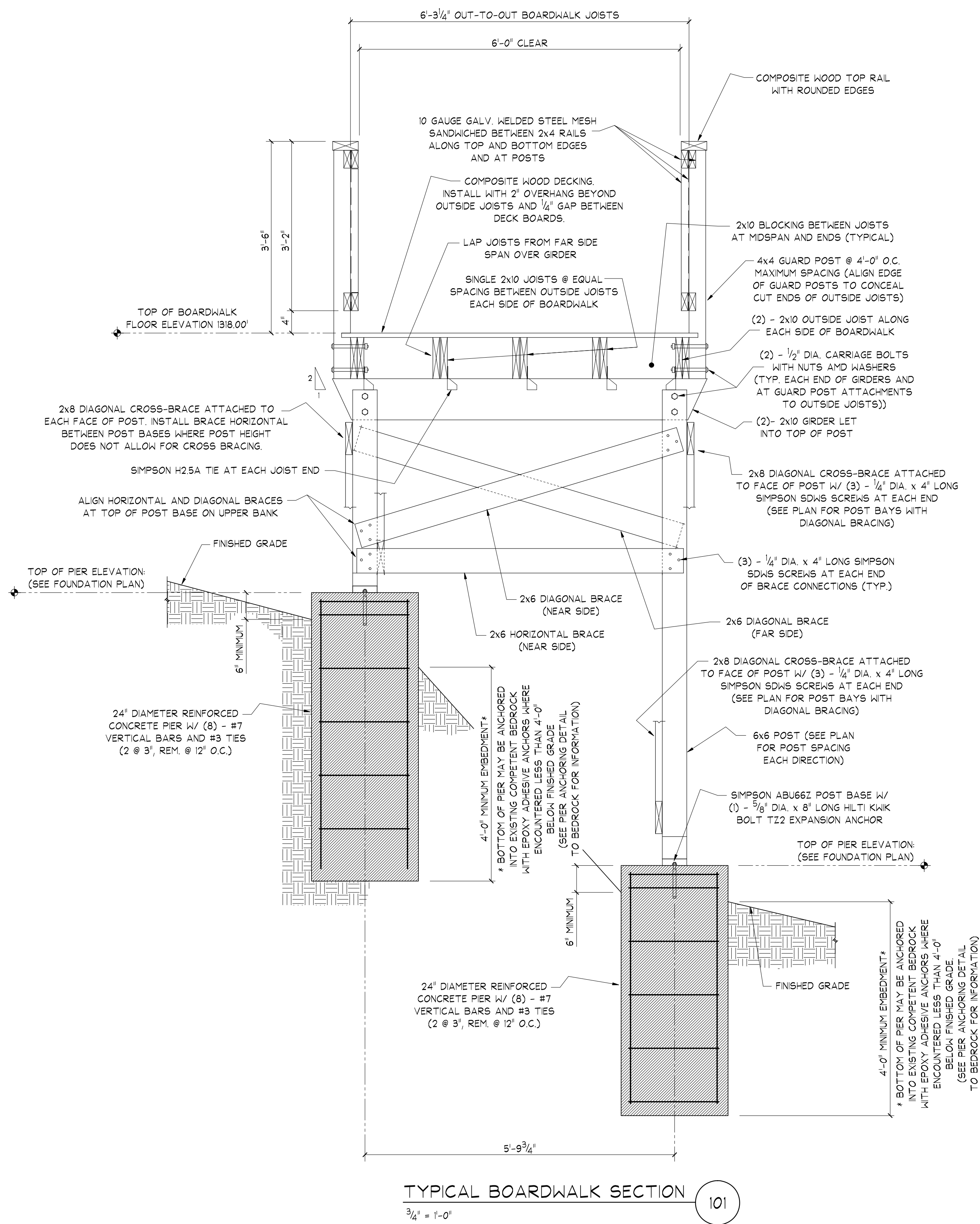
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DATE
 FEB 13, 2024

PROJECT TITLE
**SILVER LAKE TRAIL EXTENSION
 BORDEN AVE. BOARDWALK**

VILLAGE OF PERRY
 46 N. MAIN STREET
 PERRY, NY 14550

DRAWING NO.
S100



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BOARDWALK SECTIONS AND DETAILS

DRAWING TITLE

PROJECT NO. 23076

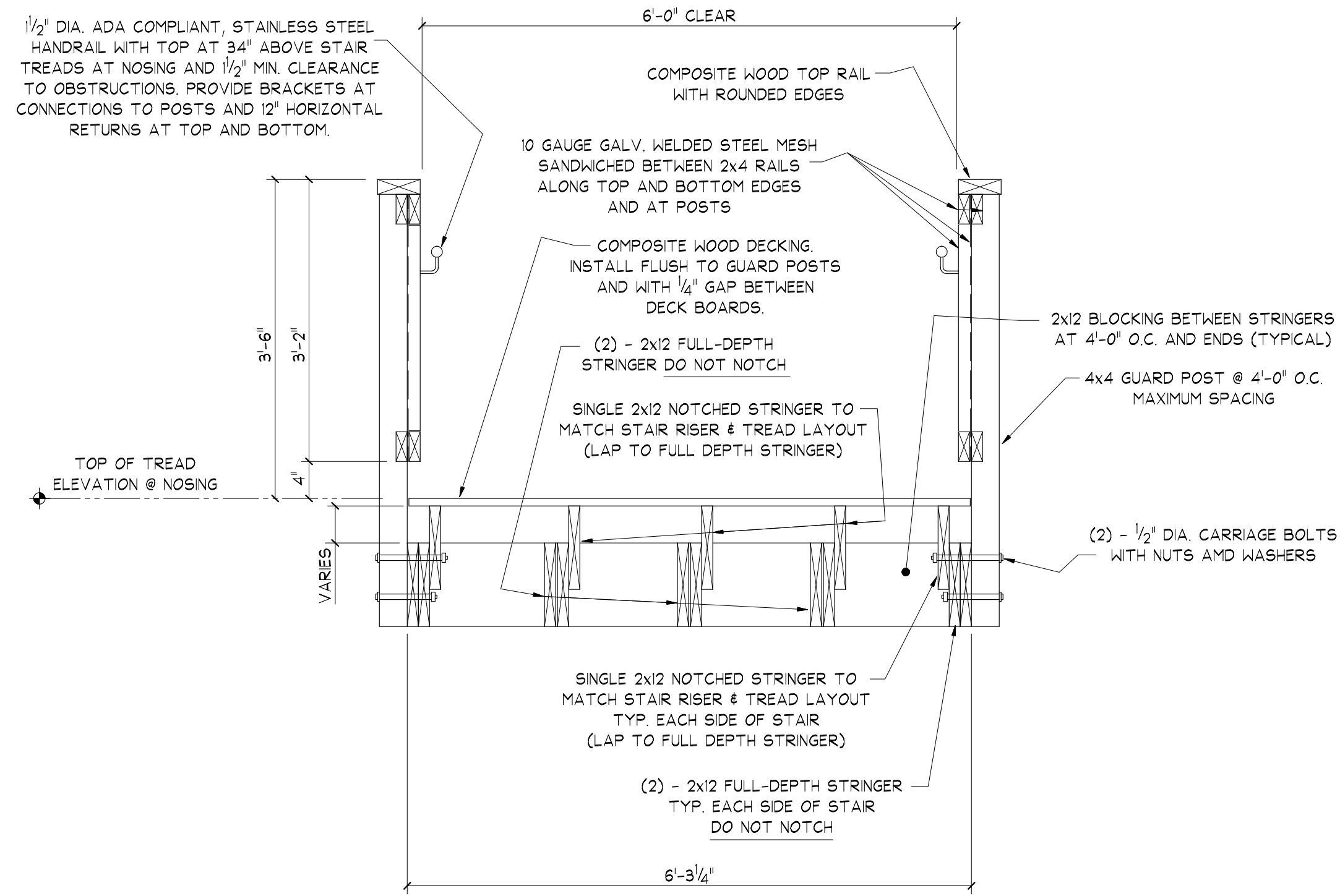
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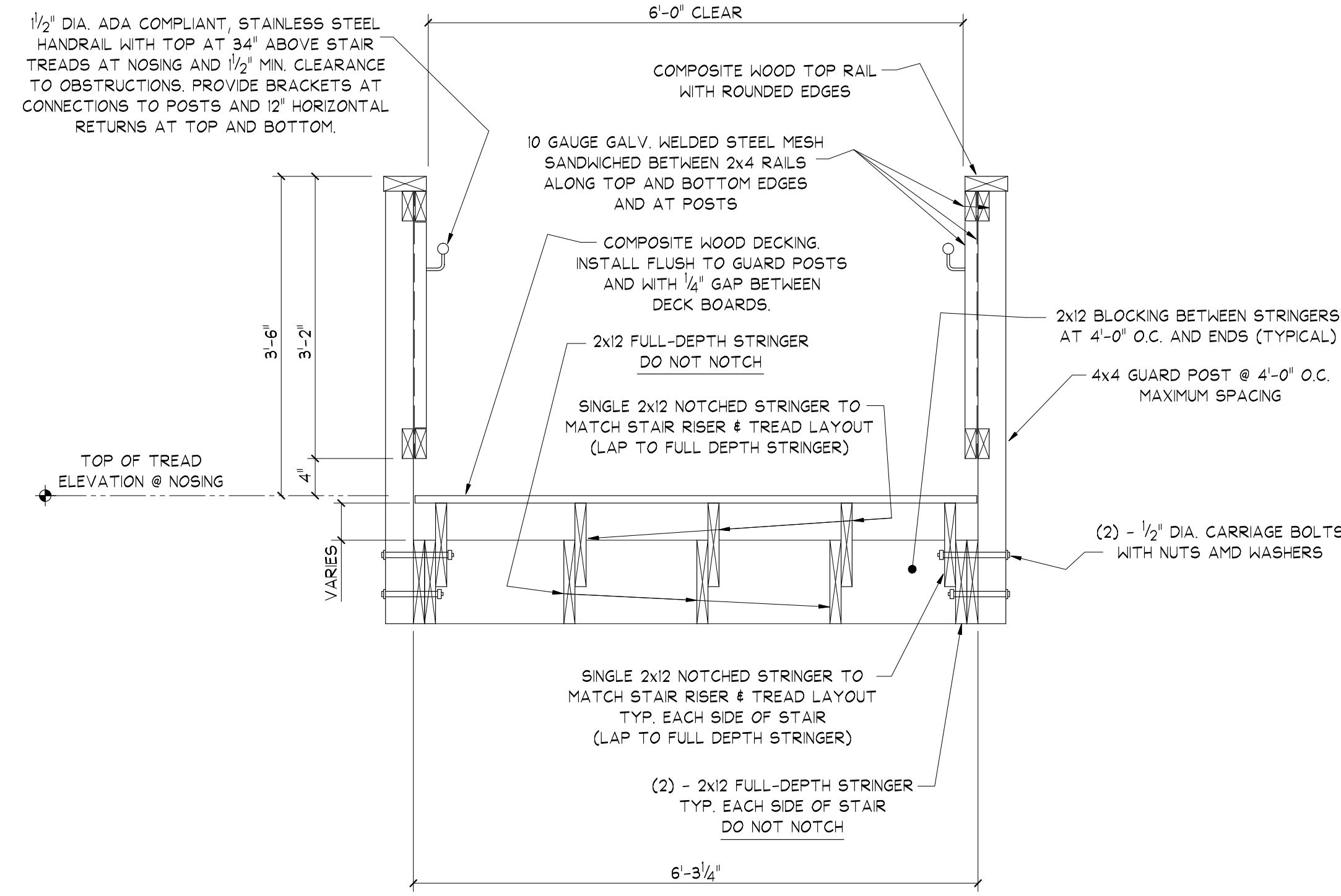
SCALE AS NOTED

SILVER LAKE TRAIL EXTENSION
BORDEN AVE. BOARDWALK
 VILLAGE OF PERRY
 46 N. MAIN STREET
 PERRY, NY 14550

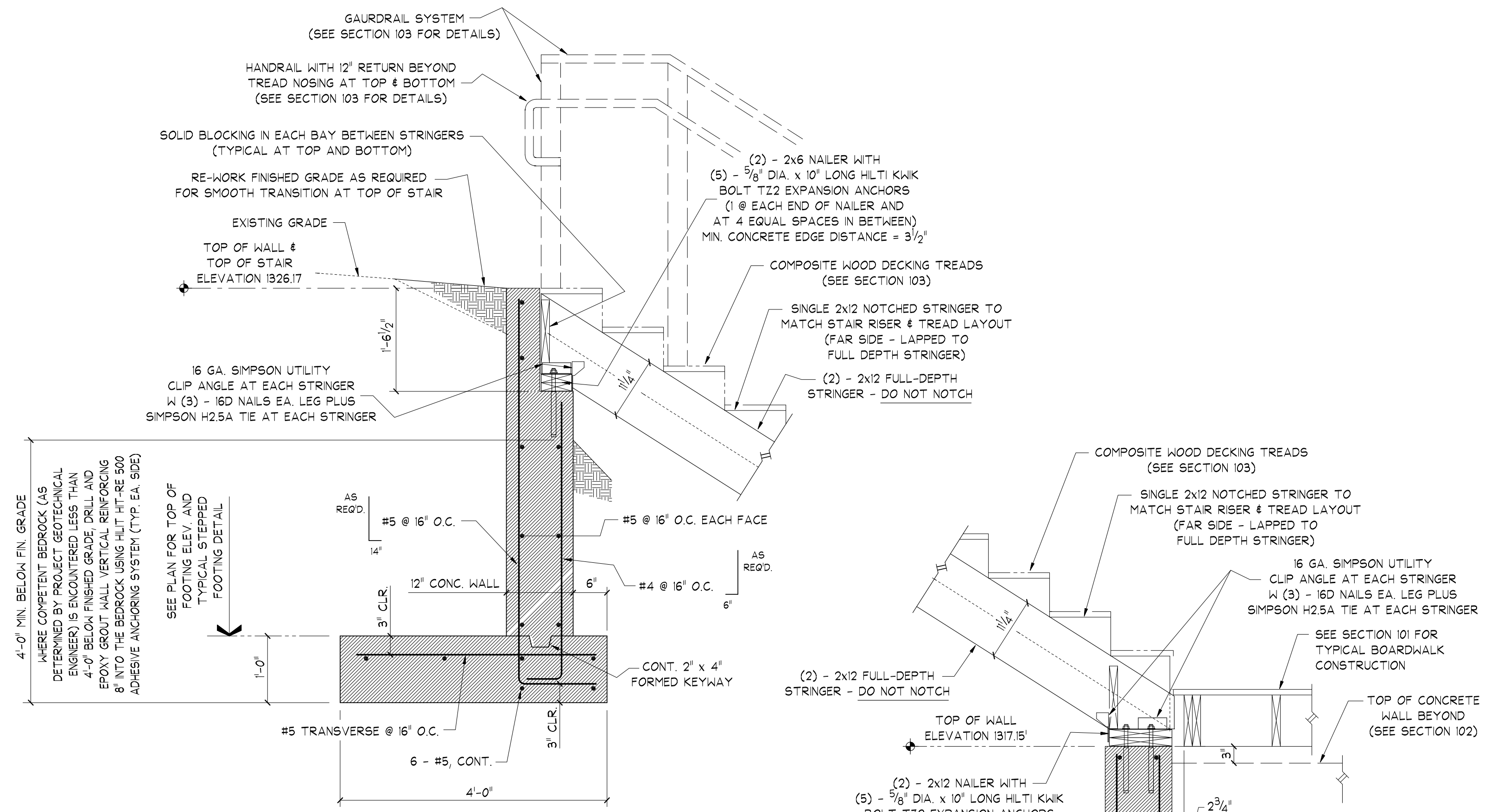
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S101



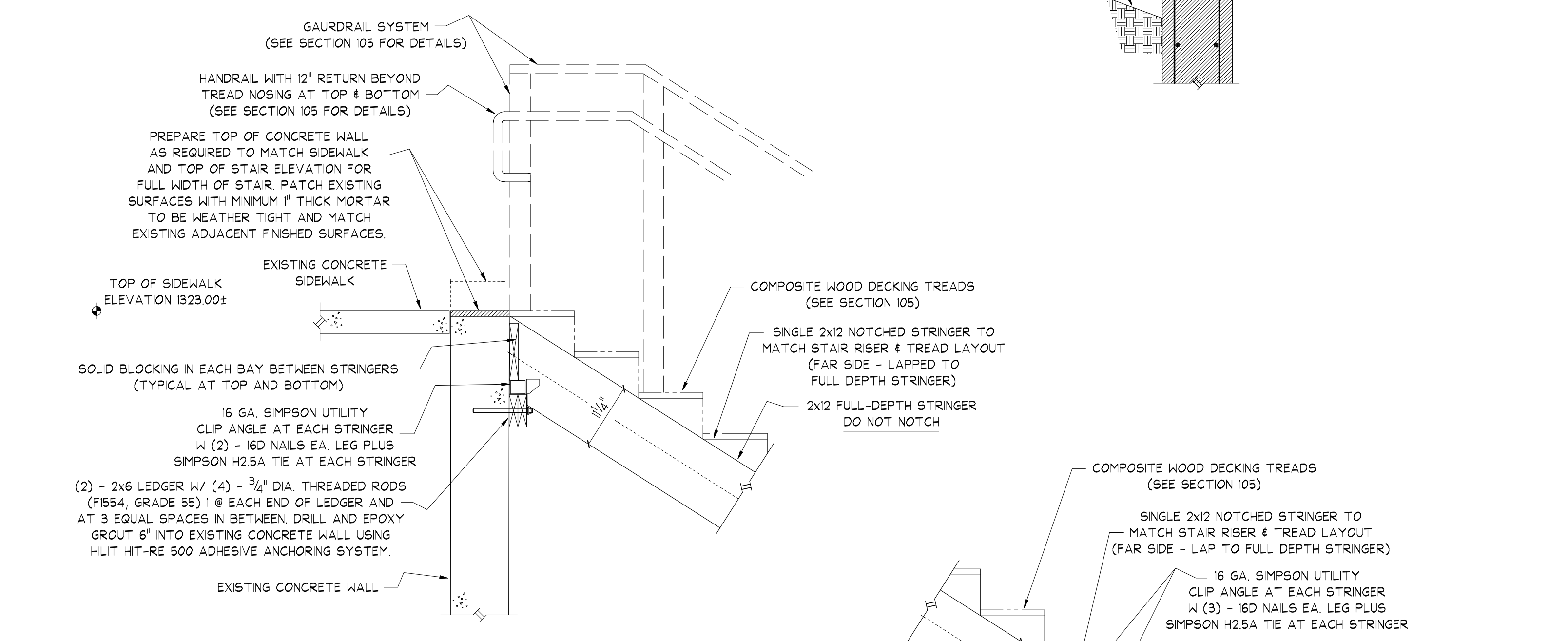
SECTION 103
3/4" = 1'-0"



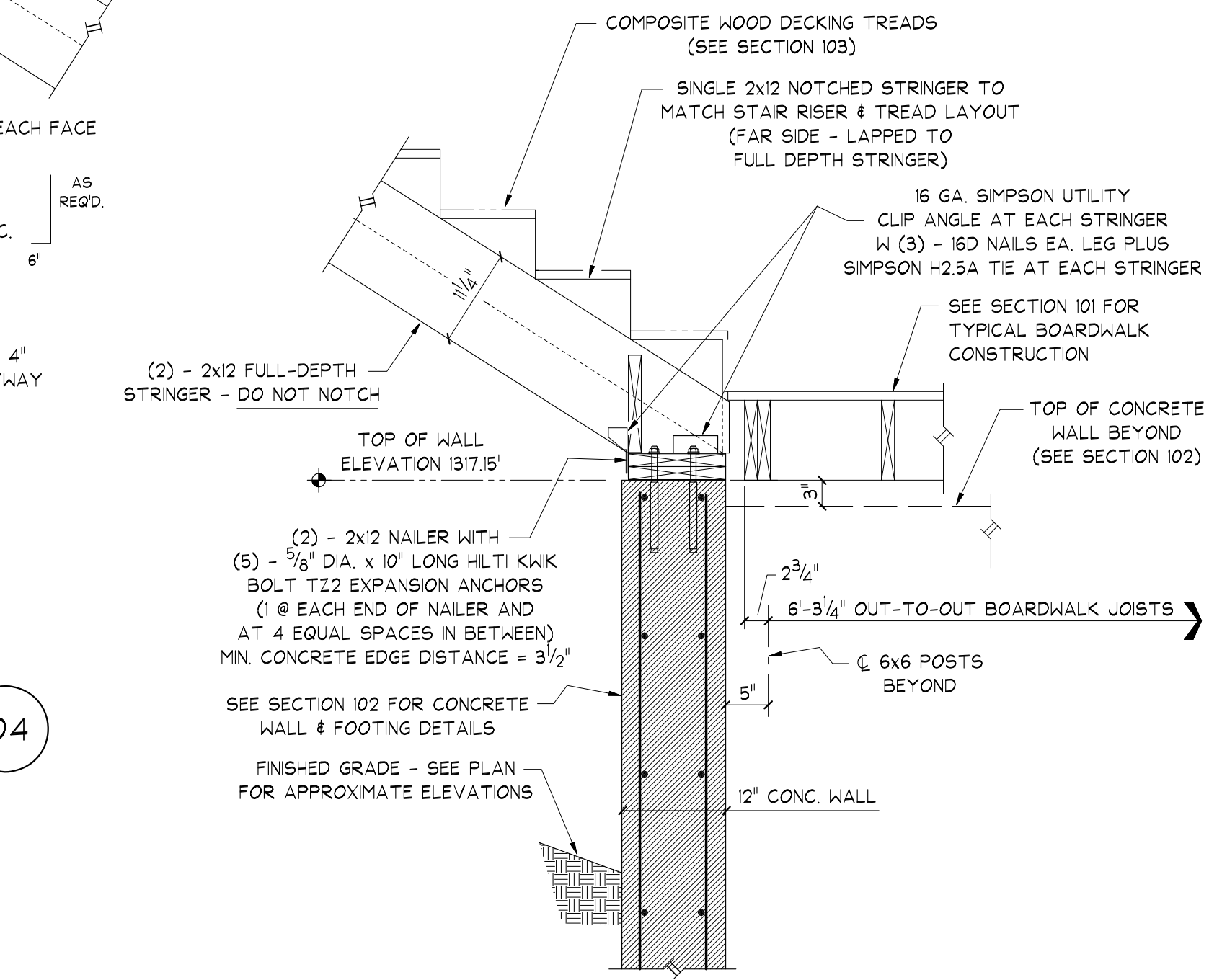
SECTION 105
3/4" = 1'-0"



SECTION 104
3/4" = 1'-0"



SECTION 106
3/4" = 1'-0"



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DRAWING TITLE
BOARDWALK SECTIONS AND DETAILS

PROJECT NO. 23076
DATE FEB. 13, 2024
DRAWN BY CAD
SCALE AS NOTED

PROJECT TITLE
**SILVER LAKE TRAIL EXTENSION
BORDEN AVE. BOARDWALK**
VILLAGE OF PERRY
46 N. MAIN STREET
PERRY, NY 14550

DRAWING NO.
S102