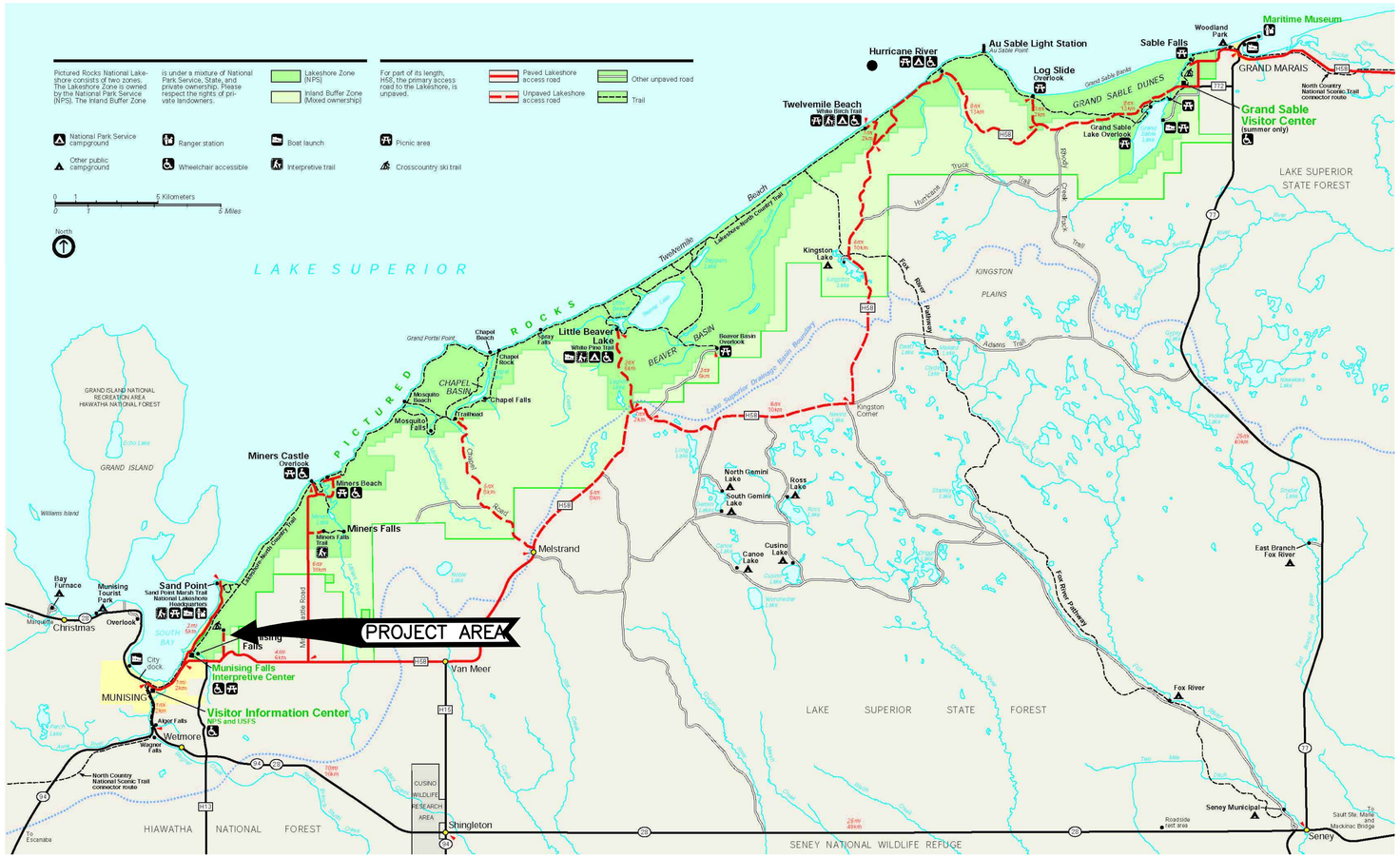
TRAIL REHABILITATION

VIEWING PLATFORM PACKAGE – BID OPTION 1

PICTURED ROCKS NATIONAL LAKESHORE



PARK MAP

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SHEEET	SUBSHEET	SHEET TITLE
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2	L0.1	GENERAL NOTES | EXISTING CONDITIONS
3	L1.1	REMOVALS | FOOTING AND FRAMING PLAN
4	L2.1	DECKING PLAN | CONSTRUCTION DETAILS
5	L3.1	CONSTRUCTION DETAILS

BID OPTION 1:

THIS VIEWING PLATFORM PACKAGE SERVES AS SUPPLEMENTAL CONSTRUCTION DOCUMENTS INCLUSIVE OF THE TRAIL REHABILITATION CONSTRUCTION DOCUMENT PACKAGE DATED 06/23/2025 AND CONSTITUTES SCOPE OF WORK AS BID OPTION 1 LINE ITEM WHICH THE NATIONAL PARK SERVICE MAY ELECT TO AWARD INCLUSIVE WITH THE TRAIL REHABILITATION BASE BID CONSTRUCTION SCOPE OF WORK FOR THE MUNISING FALLS DAY USE TRAIL PROJECT.

PMIS – 226930

Mark	Sheet	REVISION	Date	Initial

QUALITY DESIGN CERTIFICATION

- ☐ Prepared in Accordance with Design Development (Title I) _____ Drawing No.
- OR
- ☐ Variance from Design Development (Title I) Approved by Superintendent on _____ Date
- OR
- ☒ Construction Drawing Not Preceded by Design Development (Title I)

7/21/2025
Project Manager — Date

CONSTRUCTION DRAWINGS

UNITED STATES
DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE
INTERIOR REGIONS 3, 4, AND 5

TITLE OF DRAWING
COVER
LOCATION WITHIN PARK
MUNISING FALLS DAY USE TRAIL
NAME OF PARK
PICTURED ROCKS NATIONAL LAKESHORE

REGION	COUNTY	STATE
MWR	ALGER	MICHIGAN

DRAWING NO. 625 / 80067

PKG. NO. 22 / 69 / 30

SHEET 1 OF 5

BASIC DATA:

C:\Users\tbentley\OneDrive – DOI\1-NPS\0001-Projects\PIRO Munising Falls\Observation Deck – Park Info and FPI Design\Production Drawings\PIRO 226930 Munising Falls Overlook Deck COVER.dwg

GENERAL NOTES:

THIS SET OF CONSTRUCTION DRAWINGS ARE INTENDED TO BE INCLUSIVE AS SUPPLEMENTARY TO THE CONSTRUCTION DOCUMENTS SET ENTITLED 'TRAIL REHABILITATION' DATED JUNE 26, 2025. THE TWO CONSTRUCTION DOCUMENT SETS ARE CONSIDERED COMPLIMENTARY TO EACH OTHER. IN THE EVENT THERE IS A DISCREPANCY BETWEEN THESE GENERAL NOTES ON THIS PAGE AND NOTATIONS INCLUDED IN THE PRIMARY 'TRAIL REHABILITATION' DOCUMENTS, THE MORE STRINGENT OF THE TWO SHALL APPLY UNLESS DIRECTED OTHERWISE BY THE CONTRACTING OFFICER.

1. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THESE PLANS, REFERENCED STANDARDS AND SPECIFICATIONS, AND GENERAL CONDITIONS IN THE CONTRACT.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINATION OF ALL FINAL QUANTITIES AND METHODS IN ORDER TO CONDUCT THE WORK PRIOR TO SUBMITTING THEIR BID.
3. PROVIDE ALL SUBCONTRACTORS WITH ALL THE NECESSARY CONSTRUCTION DOCUMENT SHEETS AND INFORMATION APPLICABLE TO THEIR AREA OF WORK AS WELL AS WORK INFLUENCED BY OR INFLUENCES WORK BY OTHER TRADES.
4. ENSURE THAT ALL REQUIRED COORDINATION IS DONE BEFORE BEGINNING ANY CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL REQUIRED AUTHORIZATION FROM CONTRACTING OFFICER AND REPRESENTATIVE, PARK STAFF POINT OF CONTACT, AND FULLY ACKNOWLEDGE PRIOR TO COMMENCING WORK ON SITE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL INSPECTION CRITERIA AND SCHEDULES.
6. THE CONTRACTOR SHALL NOT EXCAVATE, REMOVE OR OTHERWISE DISTURB ANY MATERIAL, WHICH INCLUDES TREES, UNDERGROWTH, OR NATURAL LANDFORMS EXCEPT WHERE SUCH EXCAVATIONS OR REMOVAL IS PROVIDED IN THE CONTRACT, PLANS, OR SPECIFICATIONS.
7. THE CONTRACTOR SHALL IDENTIFY AND PROTECT FROM DAMAGE ALL SURVEY AND BOUNDARY MARKERS WHICH MAY BE ENCOUNTERED WITHIN THE WORK AREA.
8. ALL PROPERTY DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING AT THE CONTRACTORS EXPENSE. SEE SITE RESTORATION NOTES FOR ACCEPTABLE CONDITION OF LEAVING THE NATURAL VEGETATED LANDSCAPE. PHOTO DOCUMENT EXISTING CONDITIONS AND REVIEW WITH PARK CONTRACTING OFFICER REPRESENTATIVE (COR) TO AVOID MIS-IDENTIFICATION OF PRE-EXISTING DAMAGE AS CONSTRUCTION ACTIVITY CAUSED.
9. ALL WORK AND ALL MATERIALS FURNISHED SHALL BE IN CONFORMITY WITH THE REQUIREMENTS IN THE CONTRACT DOCUMENTS.
10. THE SPECIFICATIONS, NOTES AND PLANS CALL ATTENTION TO CERTAIN REQUIRED FEATURES OF THE CONSTRUCTION BUT DO NOT IMPLY TO COVER ALL MEANS AND METHODS OF CONSTRUCTION.
11. ALL WORK SHALL BE ACCOMPLISHED TO THE HIGHEST QUALITY CRAFTSMANSHIP INDUSTRY STANDARDS FOR EACH RESPECTIVE TRADE.
12. ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS.
13. APPARENT ERRORS, DISCREPANCIES OR OMISSIONS ON THE DRAWINGS SHALL BE BROUGHT TO THE CONTRACTING OFFICER'S ATTENTION AS SOON AS THE DISCREPANCY OR OMISSION IS FOUND. CONTRACTOR SHALL NOT PROCEED WITH WORK AT THE DISCREPANCY OR OMISSION PRIOR TO RECEIVING DIRECTION FROM THE COR.
14. ALL COMMUNICATION REQUESTING CLARIFICATION, DIRECTION AND OR REQUEST FOR INFORMATION (RFI) SHALL BE IN WRITTEN FORM. SUBMIT ALL COMMUNICATION REQUESTS TO COR AND ONLY WRITTEN RESPONSES FROM THE CO OR COR WILL BE CONSIDERED APPROVED/AUTHORIZED.
15. THE GOVERNMENT WILL NOT BE RESPONSIBLE TO PAY FOR ANY UN-APPROVED MATERIALS NOR MATERIALS NOT INCORPORATED INTO THE SCOPE OF THE PROJECT WORK.
16. AFTER COMPLETION OF CONSTRUCTION, PERFORM SITE CLEANUP OPERATION TO REMOVE ALL TRASH, DEBRIS, EXCESS MATERIALS AND EQUIPMENT FROM THE PARK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SHOW THE PROJECT SITE CLEAN FOR FINAL ACCEPTANCE. ALL TRASH AND DEBRIS SHALL BE LAWFULLY DISPOSED OF. NO BURYING OR BURNING OF TRASH, DEBRIS, OR SURPLUS MATERIALS SHALL BE ALLOWED.

GENERAL SITE HOUSEKEEPING:

1. DO NOT BURN DEMOLISHED OR UNUSED SURPLUS MATERIALS. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT UNDISTURBED PARK AREAS, ROADS, AND PUBLIC RIGHT-OF-WAY OR PROPERTIES. DO NOT ALLOW TRASH AND DEBRIS TO STOCKPILE UNTIL CONCLUSION OF THE PROJECT. SCHEDULE PERIODIC REMOVALS.
2. IDENTIFY WITH COR THE AVAILABLE OPEN SITE AREA AND CONSOLIDATE FIELD SET UPS AND MATERIAL STORAGE TO MINIMIZE IMPACTS TO THE SURROUNDING ECOLOGY.

EQUIPMENT REQUIREMENTS, LIMITATIONS, AND USE ON PROJECT SITE:

1. ALL EQUIPMENT ACCESSING THE PROJECT SITE SHALL BE IN PROPER WORKING ORDER WITH NO VISIBLE SIGN OF FUEL OR FLUID LEAK OR INAPPROPRIATE DISCHARGE. THE COR AND PARK STAFF RESERVE THE RIGHT TO REFUSE ENTRY OR REQUIRE REMOVAL OF ANY EQUIPMENT DEMONSTRATING DISREPAIR OR MALFUNCTION.
2. ALL EQUIPMENT SHALL BE OF A SIZE AND MANEUVERABILITY TO NAVIGATE THE EXISTING PROJECT WORK AREAS AND AVOID OVERRUN INTO UNDISTURBED ADJACENT AREAS. ALL DAMAGE TO PARK ASSETS SHALL BE REPAIRED, REPLACED, OR RESTORED TO EXISTING CONDITIONS OR BETTER AT NO ADDITIONAL COST TO THE GOVERNMENT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REASONABLE PROTECTION OF ALL EXISTING AMENITIES WITHIN THE IMMEDIATE AREA OF ACTIVE EQUIPMENT USE TO AVOID MARRING OR OTHER IMPACT DAMAGES.
4. THE CONTRACTOR SHALL HAVE A STRATEGY FOR NAVIGATING THE SITE WHICH WILL ATTEMPTS TO LIMIT THE EXTENT OF SITE DAMAGE TO THE GREATEST EXTENT REASONABLY POSSIBLE WHICH WILL PRIORITIZE CONCENTRATING STAGING AREAS.
5. THE COR RESERVES THE RIGHT TO REQUIRE RELOCATION OF ANY PARKED OR IDLING EQUIPMENT PLACING THE PARK LANDSCAPE AT RISK. THE COR ADDITIONALLY RESERVES THE RIGHT TO REQUIRE ADDITIONAL PROTECTION MEASURES BE PROVIDED AT NO ADDITIONAL COST TO THE GOVERNMENT IF CONSTRUCTION PRACTICES PROVE TO PLACE THE LANDSCAPE OR PARK ASSETS AT RISK TO DAMAGE OR CONTRACTOR PROACTIVE PROTECTION EFFORTS PROVE TO BE INSUFFICIENT.

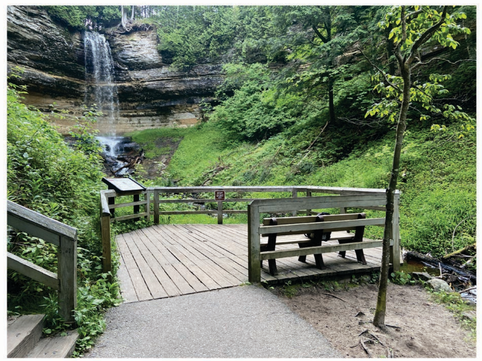
SITE RESTORATION REQUIREMENTS:

1. THE CONTRACTOR SHALL TAKE CARE AND MONITOR THAT DISTURBANCE TO THE SITE (VEGETATION, SOILS, TOPOGRAPHY) IS MANAGED AND KEEP WITHIN THE MINIMUM EXTENTS REASONABLY ACHIEVABLE.
2. PROVIDE NON-COMPACTED BACKFILL WITH SOILS ON SITE BY FINE RAKING IN RUTS OR OTHER DISTURBANCES CAUSED BY MATERIALS, EQUIPMENT AND CONSTRUCTION ACTIVITY. NO SUPPLEMENTAL SEEDING IS REQUIRED NOR CONDUCTED AS RE-VEGETATION SHALL BE BY NPS.
3. SUBMIT ANY OTHER PROPOSED MEANS OF SITE RESTORATION TO THE COR/CO FOR APPROVALS.

REPRESENTATIONAL PHOTOGRAPHS:

THE FOLLOWING PHOTOGRAPHS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND DO NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE SITE PRIOR TO SUBMITTING THEIR BID. THESE PHOTOS DO NOT CAPTURE THE TOTALITY OF THE PROJECT AREA; HOWEVER THEY PROVIDE A REPRESENTATIONAL EXAMPLE OF THE EXISTING OBSERVATION PLATFORM THAT IS TO BE REMOVED AND THE TERRAIN THE CONTRACTOR SHALL BE EQUIPPED TO NAVIGATE IN ORDER TO PERFORM THE WORK.

OVERALL DECK LOOKING SOUTH

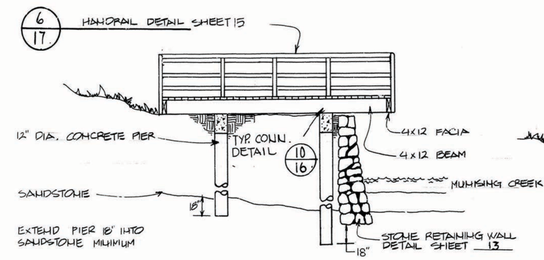


TRANSITION FROM PAVED TRAIL TO DECK

STRUCTURE SYSTEM UNDERNEATH CONSISTING OF (2)CONCRETE GRADE BEAMS CARRYING (3) 4X12 TIMBERS STEEL ANGLE FASTENED TO CONCRETE, AND FULL SAWN 2X6 DECKING.

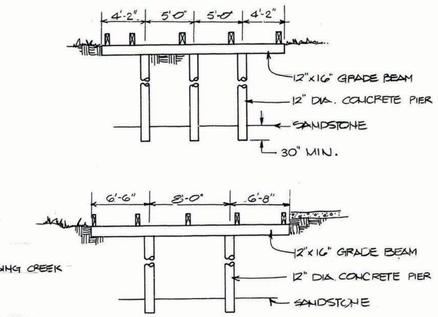
OBSERVATION DECK ORIGINAL CONSTRUCTION DETAILING:

THE FOLLOWING EXCERPT FROM 1979 ORIGINAL TRAIL AND OBSERVATION DECK CONSTRUCTION DOCUMENTS ARE PROVIDED FOR CONTRACTOR'S CONVENIENCE ONLY FOR UNDERSTANDING EXISTING CONCRETE BEAM STRUCTURES TO REMAIN TO RECEIVE NEW CONSTRUCTION AND WOOD TIMBER AND DECKING MEMBERS FOR ESTIMATING REMOVALS. VISUAL OBSERVANCE SUGGESTS THE OBSERVATION DECK WAS CONSTRUCTED CLOSELY MATCHING THE CONSTRUCTION DOCUMENTS; HOWEVER, NPS CANNOT GUARANTEE ANY DEVIATIONS WHICH MAY BE DISCOVERED DURING THE REMOVAL AND CONSTRUCTION PROCESS.

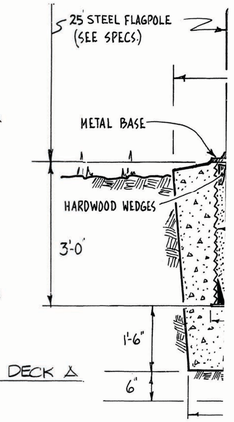


7/17 SECTION
SCALE 1/4" = 1'-0"

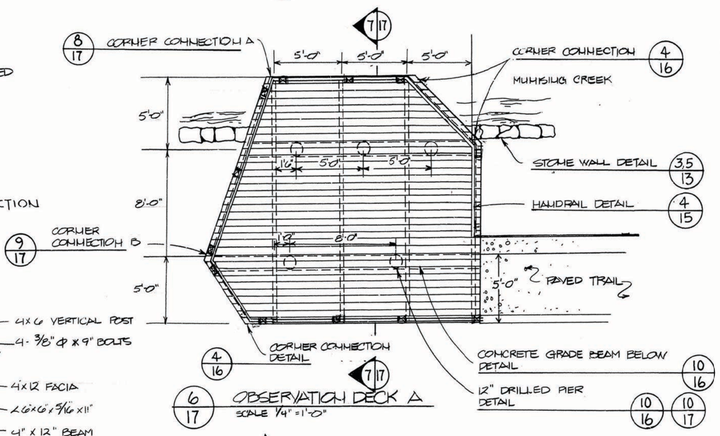
NOTE: WOOD TO BE TREATED WITH CCA TYPE C WOOD PRESERVATIVE



10/17 PIER LOCATIONS OBSERVATION DECK A
SCALE 1/4" = 1'-0"



2/17 FLAGPOLE

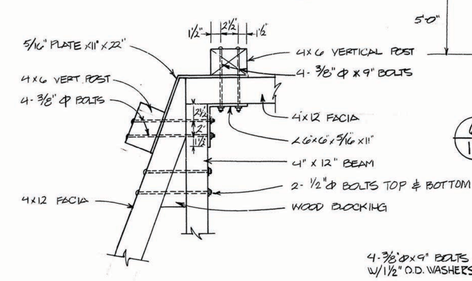


6/17 OBSERVATION DECK A
SCALE 1/4" = 1'-0"

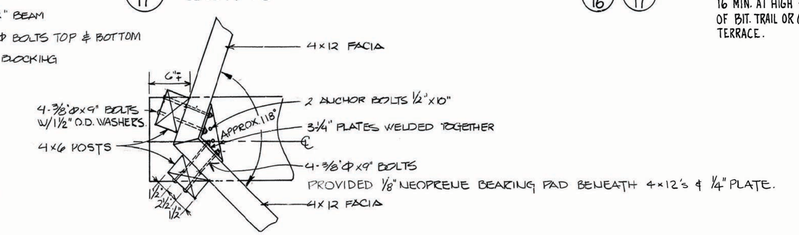
NOTE:
FOR TYPICAL DECK CONNECTION DETAILS, SEE SHT. 16

OPTIONAL ANGLE BRACE w/.

16' MIN. AT HIGH OF BIT. TRAIL OR TERRACE.



8/17 CORNER CONNECTION A
SCALE 1/2" = 1'-0"



9/17 CORNER CONNECTION B
SCALE 1/2" = 1'-0"

Mark	Sheet	REVISION	Date	Initial

DESIGNED: TLB
CADD
TECH. REVIEW:
DATE: 07-21-2025

SUB SHEET NO. L0.1

TITLE OF SHEET
GENERAL NOTES
EXISTING CONDITIONS

MUNISING FALLS TRAIL VIEWING PLATFORM
MUNISING, MICHIGAN

DRAWING NO. 625 80067
PMIS NO. 22 69 30
SHEET 2 OF 5

GENERAL DEMOLITION AND SITE PREPARATION:

1. DETERMINE THE EXTENT OF DEMOLITION REQUIRED IN ORDER TO PERFORM THE CONTRACT WORK FOR THIS PROJECT.

2. DO NOT BURN DEMOLISHED MATERIALS. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT UNDISTURBED PARK AREAS, ROADS, AND PUBLIC RIGHT-OF-WAY OR PROPERTIES.

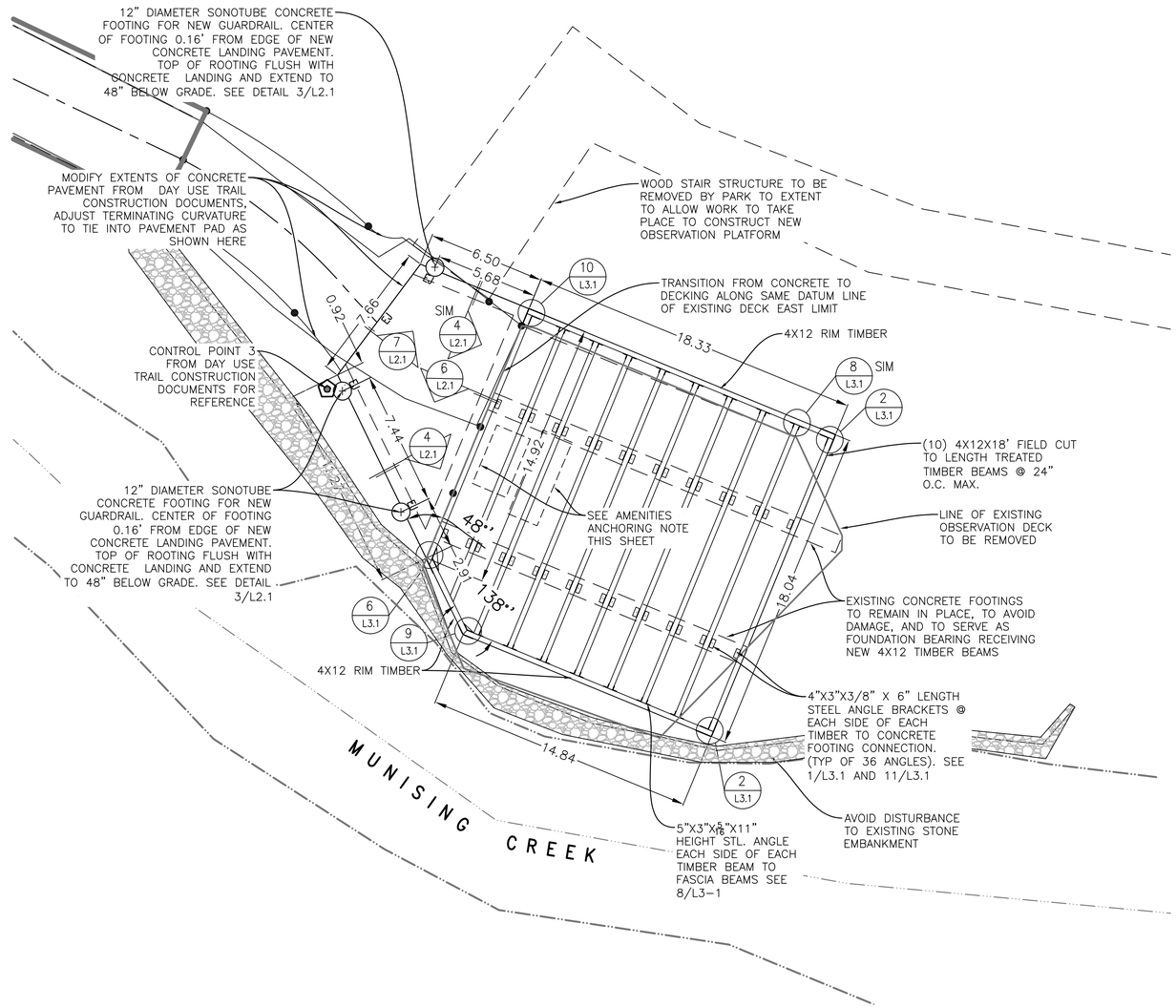
3. IDENTIFY WITH COR THE AVAILABLE OPEN SITE AREA AND CONSOLIDATE FIELD CARPENTRY SET UPS AND MATERIAL STORAGE TO MINIMIZE IMPACTS TO THE SURROUNDING WOODLAND AND LAKE ECOLOGY.

OVERALL DECK LOOKING SOUTH - REMOVALS

TRANSITION FROM PAVED TRAIL TO DECK - REMOVALS

STRUCTURE SYSTEM UNDERNEATH - REMOVALS

1 / L1.1 SITE REMOVALS
NO SCALE



2 / L1.1 OBSERVATION PLATFORM FOUNDATION AND FRAMING PLAN
1" = 4'-0"

4' 0 4' 8'

AMENITIES ANCHORING NOTE:
THE PARK SHALL PROVIDE AND INSTALL ONE TWO-POST INTERPRETIVE PANEL AND ONE BENCH AFTER THE CONTRACTOR COMPLETES FINISH DECKING. PANEL AND BENCH TO HAVE FOOT PLATES WHICH WILL BE ANCHORED TO DECK WITH LAG SCREWS.

THE CONTRACTOR SHALL PROVIDE UP TO THREE (3) 4X6X4' TREATED WOOD TIMBERS AND COORDINATE WITH COR THE LOCATIONS TO USE THE TIMBERS AS BLOCKING TO MATCH THE SPACING AND PLACEMENT OF THE PANEL AND BENCH FOOT PLATES. PLACEMENT MAY BE LATERAL AND SISTER TO THE 4X12 BEAM OR PERPENDICULAR BETWEEN TWO BEAMS. THE CONTRACTOR SHALL FIELD CUT TO FIT THE 4X6 TIMBERS ACCORDINGLY AND PROVIDE PROPER FASTENERS TO ANCHOR BLOCKING TO BEAMS.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS.
   A. AMERICAN CONCRETE INSTITUTE (ACI) "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318).
   B. ACI "MANUAL OF CONCRETE PRACTICE" LATEST EDITION
   C. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".

2. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.

3. CONTRACTOR SHALL SUBMIT A PROJECT-SPECIFIC CONCRETE MIX DESIGN FOR EACH CONCRETE TYPE SPECIFIED IN THE CONTRACT DOCUMENTS. MATCH SPECIFICATION SECTION 32 13 13 IN THE DAY USE TRAIL REHABILITATION CONSTRUCTION DOCUMENTS FOR MIX DESIGN REQUIREMENTS (AGGREGATES, ADMIXTURES, W/C RATIO, AIR CONTENT, ETC.)

4. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 OR A775 EPOXY COATED WHEN CALLED OUT ON PLAN. REINFORCING STEEL SHALL BE DETAILED ACCORDING TO THE ACI "DETAILS AND DETAILING OF REINFORCEMENT", (ACI 315).

5. REINFORCING STEEL TO BE WELDED TO CONFORM TO ASTM A706 GRADE 60.

6. ALL GROUT SHALL BE NONSHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.

7. REINFORCING DOWELS AND OTHER EMBED ITEMS SHALL BE INSTALLED AND SECURED PRIOR TO CONCRETE PLACEMENT. "WET-SETTING" OF EMBEDDED ITEMS IS NOT PERMITTED.

8. THE CONTRACTOR SHALL SUBMIT PRODUCT DATA FOR ALL CONCRETE MIXES, REINFORCEMENT, AND EXPANSION JOINT MATERIALS TO COR FOR WRITTEN APPROVAL PRIOR TO PROCEEDING WITH THE WORK

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
   A. CHANNELS, ANGLES AND PLATES: ASTM A36 UNLESS OTHERWISE NOTED.
   B. BOLTED CONNECTIONS SHALL BE PER ASTM F3125. GRADES ARE TO BE SELECTED AS FOLLOWS:
      a. STANDARD BEAM TO BEAM/GIRDER: ASTM F3125, GRADES A325, F1852, A490 OR F2280 BOLTS IN SNUG-TIGHTENED JOINTS (¾" DIAMETER MINIMUM WITH HARDENED WASHERS).
   G. ANCHOR RODS: ASTM F1554, GRADE 36.

2. MINIMUM WELD SIZE IS ¼" FILLET UNLESS NOTED OTHERWISE.

3. WELDING SHALL BE PERFORMED BY CERTIFIED, AWS-QUALIFIED WELDERS. WELDING ELECTRODES FOR CARBON STEEL SHALL BE AWS 5.1, CLASS E70XX.

4. ALL EXTERIOR EXPOSED STEEL AND STEEL SUPPORTING EXTERIOR SHALL BE HOT-DIP GALVANIZED. HOT-DIP GALVANIZING SHALL CONFORM TO ASTM A123. REPAIR SCRATCHES OR ABRADED GALVANIZED SURFACE WITH ZINC RICH PAINT.

5. SHOP DRAWINGS SHALL BE SUBMITTED TO THE CONTRACTING OFFICER REPRESENTATIVE FOR WRITTEN REVIEW AND APPROVAL. NO FABRICATION OF STEEL SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.

6. PROVIDE MECHANICALLY GALVANIZED BOLTS FOR EXTERIOR APPLICATIONS.

FRAMING LUMBER

1. ALL FRAMING LUMBER WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS:
   A. AMERICAN WOOD COUNCIL "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION," "NDS SUPPLEMENT: DESIGN VALUES FOR WOOD CONSTRUCTION", AND "SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC".

2. TIMBER LUMBER SHALL CONFORM TO THE FOLLOWING SPECIES AND GRADES UNLESS OTHERWISE SPECIFIED BY THE BOARDWALK DELEGATED DESIGNER OR LANDSCAPE ARCHITECT.
   A. BEAMS AND STRINGERS: DOUGLAS FIR-LARCH #1, SPRUCE PINE FIR #1, OR HEM FIR #1.
   B. DECKING: DOUGLAS FIR-LARCH #1, SPRUCE PINE FIR #1, OR HEM FIR #1.

3. PRESERVATIVE-TREATED WOOD: PROVIDE TREATED LUMBER COMPLYING WITH ACQ-D (CARBONATE). COPPER AZOLE (CA-B), OR SODIUM BORATE (SBX (DOT) WITH NaS10/2) AT ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY, OR AS OTHERWISE INDICATED ON THE DRAWINGS. ACZA TREATMENT IS NOT PERMITTED. TREATED LUMBER AND/OR PLYWOOD SHALL BEAR THE LABEL OF AN ACCREDITED AGENCY SHOWING 0.40 PCF RETENTION. WHERE LUMBER AND/OR PLYWOOD IS CUT OR DRILLED AFTER TREATMENT, THE TREATED SURFACE SHALL BE FIELD-TREATED WITH COPPER NAPTHENATE (THE CONCENTRATION OF WHICH SHALL CONTAIN A MINIMUM OF 2% COPPER METAL) BY REPEATED BRUSHING, DIPPING, OR SOAKING UNTIL THE WOOD ABSORBS NO MORE PRESERVATIVE. REFER TO NOTES 2 AND 3 FOR SPECIES AND GRADE OF WOOD UNLESS OTHERWISE NOTED ON PLAN.

4. ALL WOOD FRAMING INCLUDING DETAILS FOR BRIDGING, BLOCKING, ETC., SHALL CONFORM TO THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION"

5. THE CONTRACTOR SHALL SUBMIT PRODUCT DATA OF PROPOSED WOOD MATERIAL AND TREATMENT TO COR FOR WRITTEN APPROVAL PRIOR TO COMMENCING WITH THE WORK.

Mark	Sheet	REVISION	Date	Initial

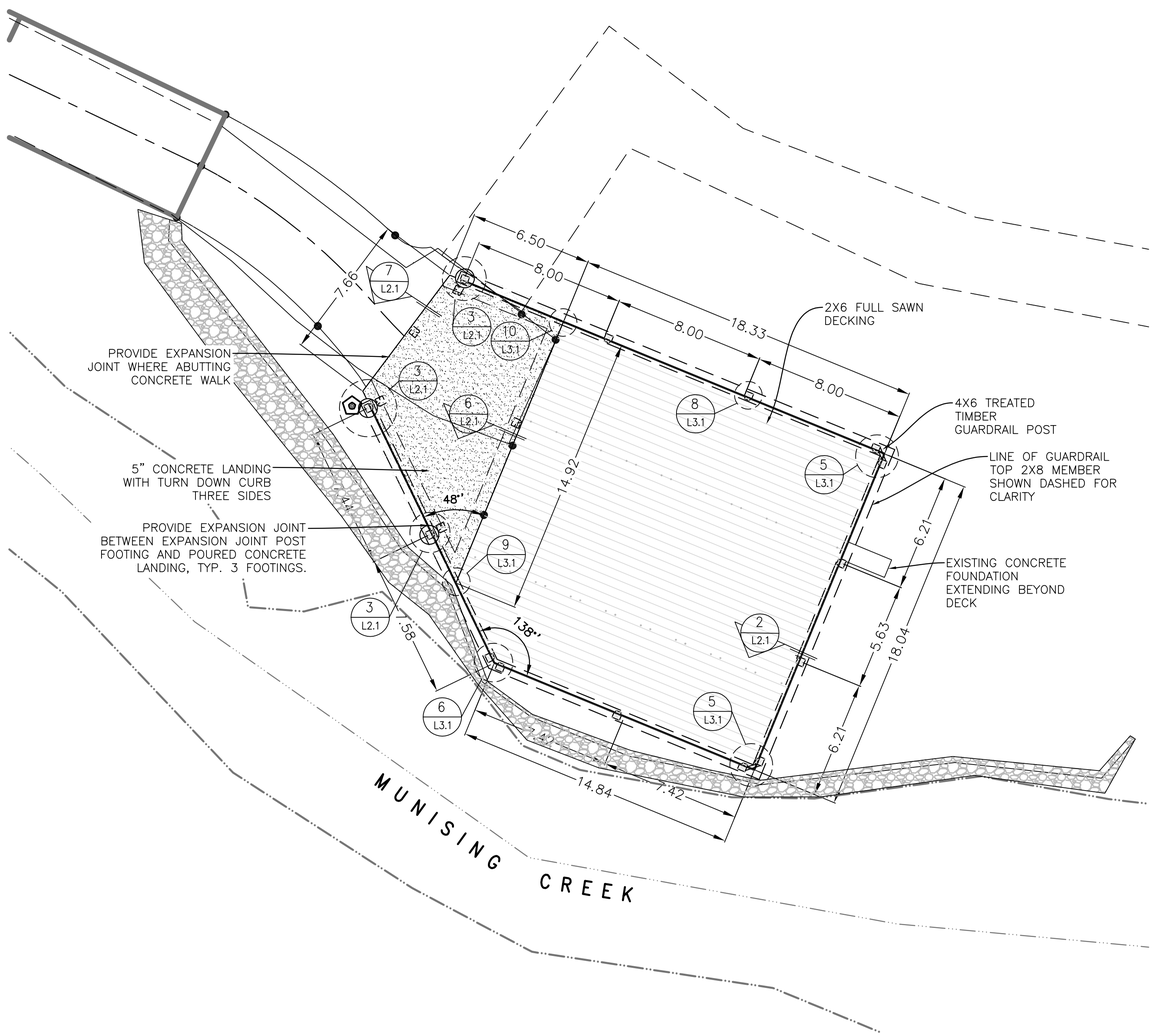
DESIGNED: TLB
CADD
TECH. REVIEW:
DATE: 07-21-2025

SUB SHEET NO. L1.1

TITLE OF SHEET
REMOVALS
FOOTING AND FRAMING PLAN

MUNISING FALLS TRAIL VIEWING PLATFORM
MUNISING, MICHIGAN

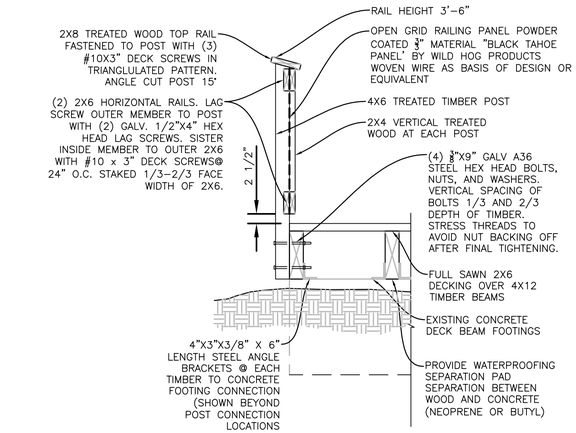
DRAWING NO. 625 80067
PMIS NO. 22 69 30
SHEET 3 OF 5



1 L2.1 OBSERVATION PLATFORM PAVING AND DECKING PLAN

1" = 4'-0"

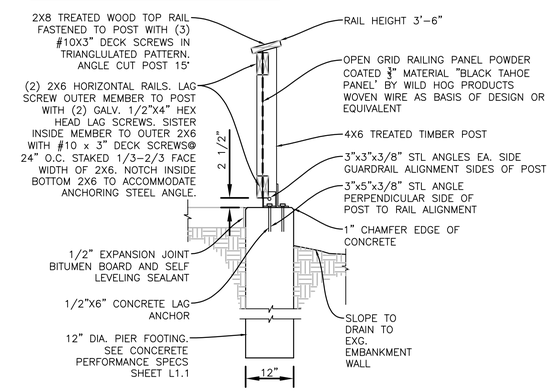
4' 0 4' 8'



2 L2.1 GUARDRAIL AT EAST FASCIA/RIM TIMBER (TYP 2 LOCATIONS)

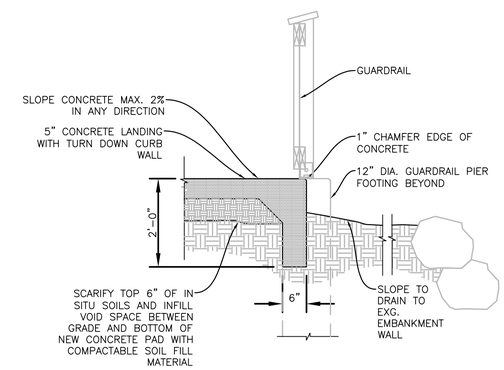
NO SCALE

OVERALL CONSTRUCTION ASSEMBLY OF RAILING AT OVERLOOK TO MATCH APPEARANCE AND APPROVED MATERIALS OF ELEVATED BOARDWALK OF THE TRAIL REHABILITATION CONSTRUCTION DOCUMENTS



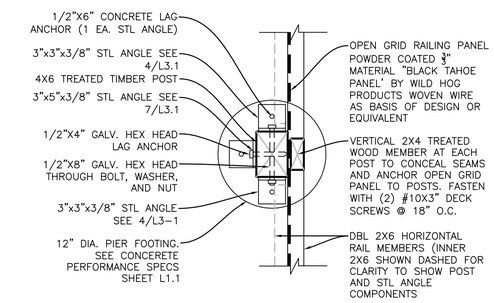
3 L2.1 GUARDRAIL AT CONCRETE LANDING (TYP 3 LOCATIONS)

NO SCALE



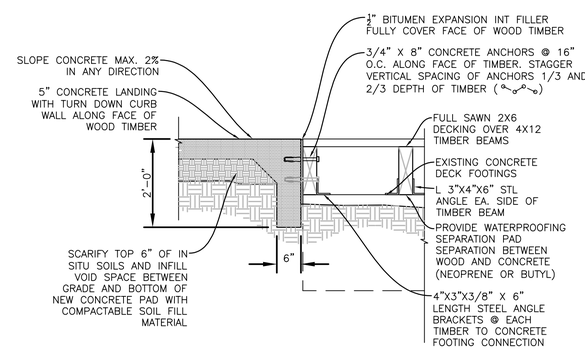
4 L2.1 CONCRETE LANDING TURN DOWN (NORTH AND SOUTH PERIMETER)

NO SCALE



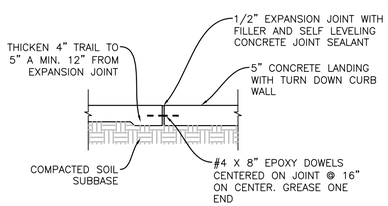
5 L2.1 CONCRETE LANDING GUARDRAIL POST PIER FOOTING PLAN

NO SCALE



6 L2.1 CONCRETE LANDING TO DECKING TRANSITION

NO SCALE



7 L2.1 CONCRETE LANDING TO CONCRETE TRAIL EXPANSION JOINT

NO SCALE

Mark	Sheet	REVISION	Date	Initial

DESIGNED: TLB

CADD

TECH. REVIEW:

DATE: 07-21-2025

SUB SHEET NO. L2.1

TITLE OF SHEET

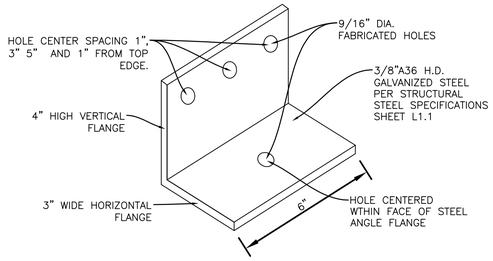
DECKING PLAN CONSTRUCTION DETAILS

MUNISING FALLS TRAIL VIEWING PLATFORM
MUNISING, MICHIGAN

DRAWING NO. 625 80067

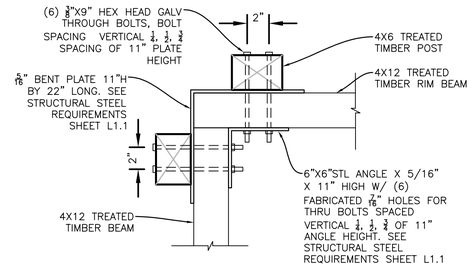
PMIS NO. 22 69 30

SHEET 4 OF 5



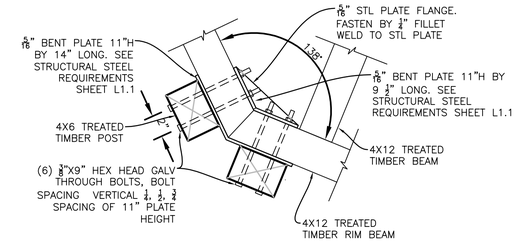
1 L3.1 TIMBER TO CONCRETE BEAM BRACKET (TYP 36 LOCATIONS)

NO SCALE



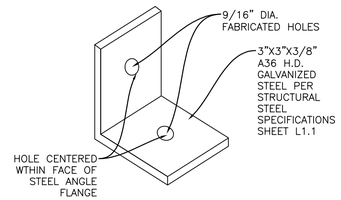
2 L3.1 OBSERVATION DECK 90° CORNER FRAMING (TYP 2 LOCATIONS)

NO SCALE



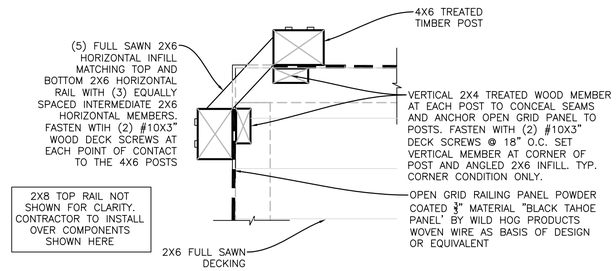
3 L3.1 OBSERVATION DECK 138° CORNER FRAMING (TYP 1 LOCATION)

NO SCALE



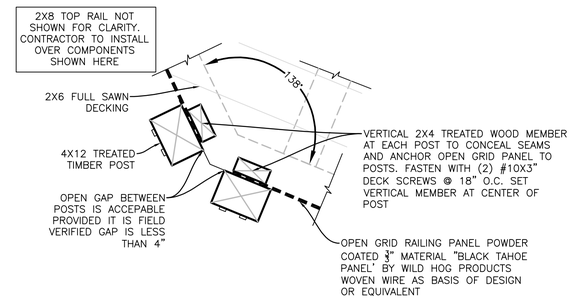
4 L3.1 GUARDRAIL POST TO PIER FOOTING BRACKET A (QTY 6)

NO SCALE



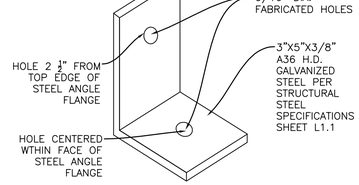
5 L3.1 OBSERVATION DECK 90° CORNER RAILING (TYP 2 LOCATIONS)

NO SCALE



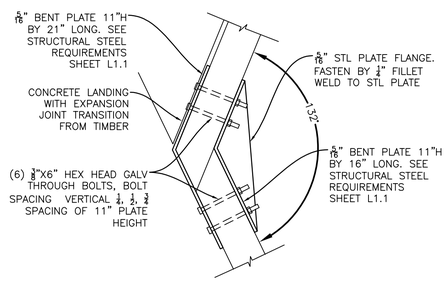
6 L3.1 OBSERVATION DECK 138° CORNER RAILING (TYP 1 LOCATION)

NO SCALE



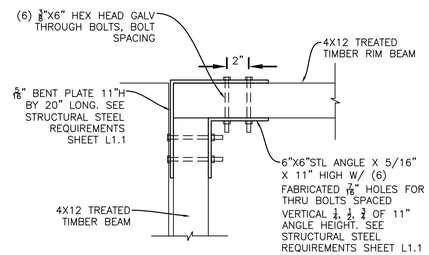
7 L3.1 GUARDRAIL POST TO PIER FOOTING BRACKET B (QTY 3)

NO SCALE



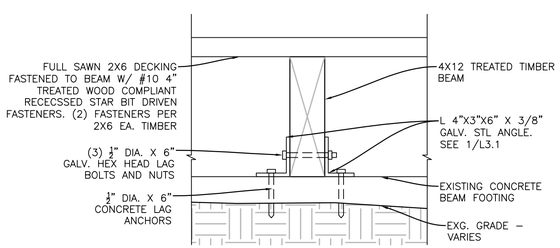
9 L3.1 OBSERVATION DECK 132° CORNER FRAMING (TYP 1 LOCATION)

NO SCALE



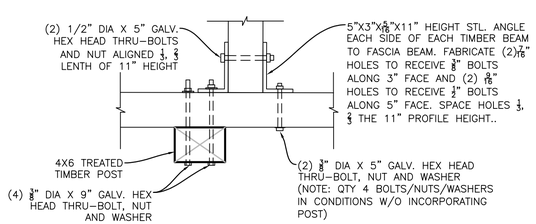
10 L3.1 OBSERVATION DECK 90° CORNER (NO POST) FRAMING (TYP 1 LOCATION)

NO SCALE



11 L3.1 TIMBER TO CONCRETE BEAM ANCHORING

NO SCALE



8 L3.1 GUARDRAIL POST AND TIMBER BEAM (TYP 3 LOCATIONS)

NO SCALE

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SHEET 5 OF 5