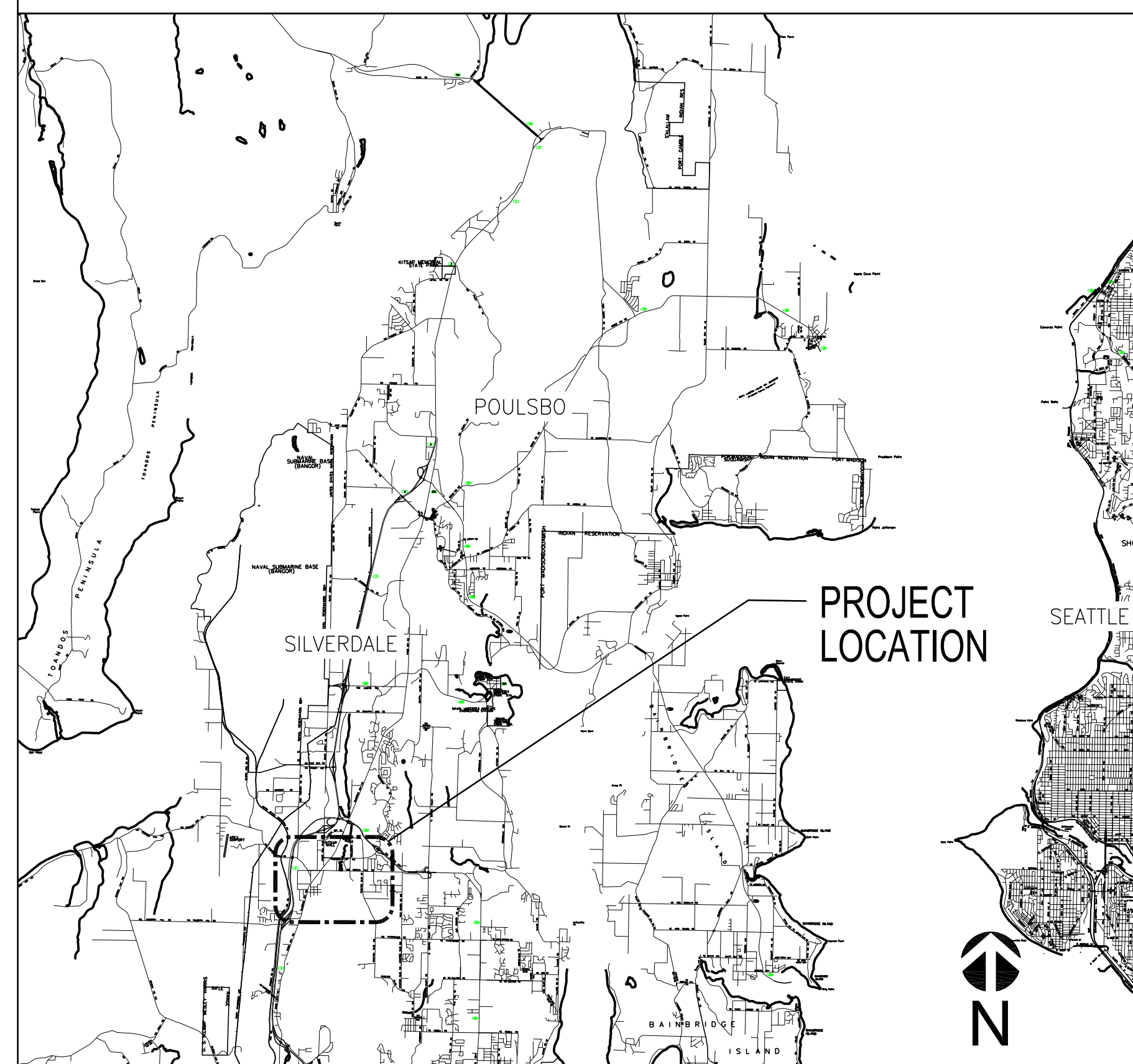




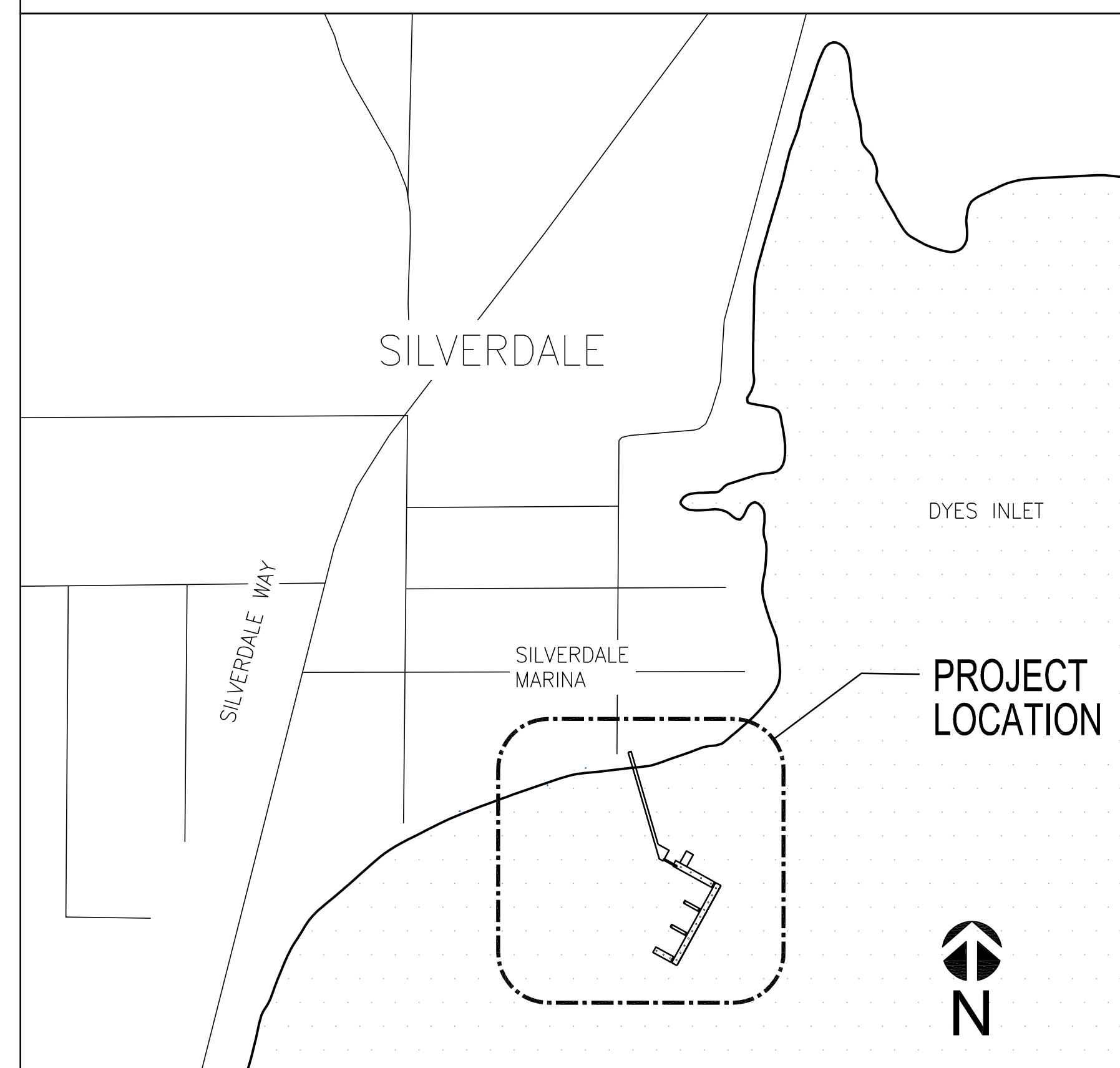
PORT OF SILVERDALE NON-MOTORIZED FLOAT DESIGN

P.O. BOX 310
SILVERDALE, WASHINGTON 98383

VICINITY MAP



LOCATION MAP

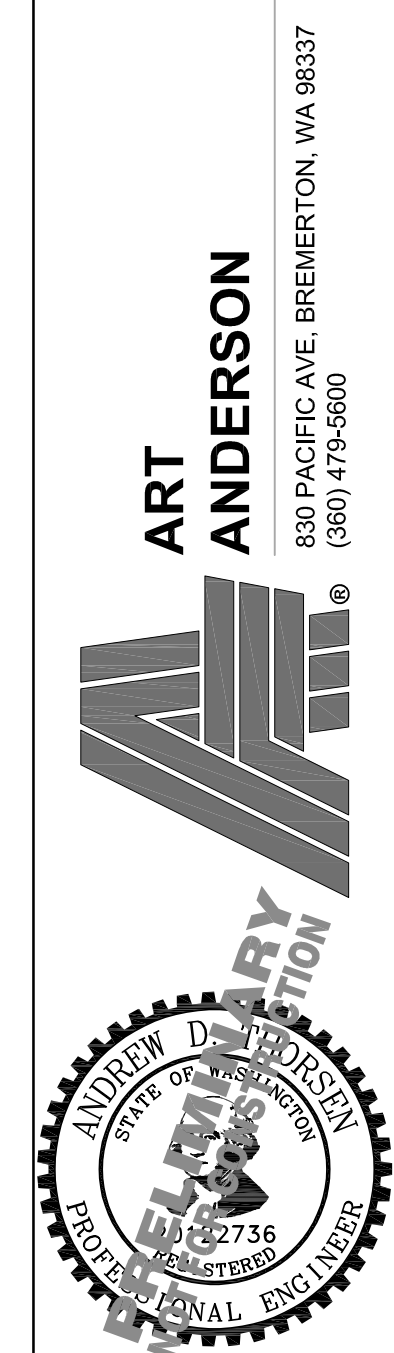


PROJECT TEAM

CONSTRUCTION CONTRACTOR:

DESIGN ENGINEER:

ART ANDERSON ASSOCIATES, INC.
830 PACIFIC AVE
BREMERTON, WA 98337



PORT OF SILVERDALE
NON-MOTORIZED FLOAT DESIGN
P.O. BOX 310
SILVERDALE, WASHINGTON 98383

DRAWN: MWM
DESIGNED: ADT
CHECKED: RBC

ISSUE DATE
31 JAN 2023

REVISIONS

JOB NO
FWPSI001.003

SHT TITLE
TITLE SHEET, LOCATION
MAPS, & PROJECT TEAM

SHT NO 1 OF 11

G001

PREFINAL SUBMITTAL

2023-JAN-31

SHEET IS 22x34 ANSI D
IF PRINTING 11x17 USE
50% SCALE FACTOR

GENERAL NOTES

1. SURVEY
 - A. VERTICAL DATUM: MLLW
 - B. TIDAL DATA: BASED ON DATA PUBLISHED BY NOAA FOR STATION 9445958, BREMERTON WA. EXTREME WATER LEVELS ARE ESTIMATED 1% ANNUAL EXCEEDANCE LEVELS FOR STATION 9447130 SEATTLE, WA.

EXTREME HIGH WATER (ESTIMATED)	14.89
MEAN HIGHER HIGH WATER (MHHW)	11.71
MEAN HIGH WATER (MHW)	10.81
MEAN SEA LEVEL (MSL)	6.79
MEAN LOW WATER (MLW)	2.83
NAVD 88	2.52
MEAN LOWER LOW WATER (MLLW)	0.00
EXTREME LOW WATER (ESTIMATED)	-4.72

2. CONSTRUCTION SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THESE PLANS AND NOTES ARE NOT INTENDED TO DIRECT THE CONTRACTOR'S METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES EXCEPT AS DESCRIBED FOR CONSIDERATION IN DESIGN.
3. THE CONTRACTOR SHALL LOCATE UTILITIES IN THE WORK AREA PRIOR TO BEGINNING CONSTRUCTION.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, SITE CONDITIONS, FEATURES, AND ELEVATIONS PRIOR TO FABRICATION OR CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IF DIFFERING CONDITIONS ARE FOUND OR IF THE DESIGN IS TO BE MODIFIED.
5. REPAIR AND PATCH ALL EXISTING SURFACES DAMAGED OR ALTERED BY NEW WORK. ALL PATCHED SURFACES SHALL BE SMOOTH, CONTINUOUS, FREE OF IMPERFECTIONS, AND IN PROPER CONDITION TO RECEIVE THE FINISH AS SPECIFIED, IN PATCHED AREAS OF ANY AREA WHERE A FINISH IS NOT SPECIFIED. CORRECTIVE WORK SHALL MATCH ADJACENT SURFACE FINISHES.
6. PROVIDE TEMPORARY BRACING TO UNFINISHED PORTIONS OF THE STRUCTURE UNTIL STABILITY OF THE FINISHED STRUCTURE IS ACHIEVED.
7. NOTIFY THE ENGINEER OF ANY OMISSIONS OR CONFLICTS REGARDING ELEMENTS SHOWN IN THE STRUCTURAL DRAWINGS BEFORE PROCEEDING WITH CONSTRUCTION.
8. THESE DRAWINGS ARE INTENDED TO PROVIDE A GENERAL DESCRIPTION OF THE SCOPE OF WORK AND SHOULD BE REVIEWED FOR INTENT AS WELL AS SPECIFIC INFORMATION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO EXECUTE THE WORK WITH GENERALLY ACCEPTED STANDARDS OF QUALITY CONSTRUCTION TO PROVIDE A COMPLETED PROJECT, FULLY USABLE FOR ITS INTENDED PURPOSE.

DESIGN CRITERIA

CODES AND STANDARDS

1. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 360-16, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
2. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) 7-16, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
3. AMERICAN WELDING SOCIETY (AWS) AWS D1.1-2015 STRUCTURAL WELDING CODE - STEEL
4. AMERICAN WOOD COUNCIL (AWC) ANSI/AWC NDS-2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
5. INTERNATIONAL CODE COUNCIL (ICC) INTERNATIONAL BUILDING CODE (IBC), 2018, AS WELL AS STATE AND LOCAL AMENDMENTS
6. UNITED STATES ACCESS BOARD (2003) ACCESSIBLE BOATING FACILITIES

LOADS AND CRITERIA

1. DEAD LOADS: WEIGHT OF ALL FRAMING, DECKING, HARDWARE, PONTOONS, AND PERMANENTLY ATTACHED EQUIPMENT, MIN 35 PCF FOR LUMBER
2. LIVE LOADS:
 - a. UNIFORM LIVE LOAD (FLOAT): 25 PSF
 - b. UNIFORM LIVE LOAD (GANGWAY): 100 PSF STRUCTURALLY, 25 PSF FOR REACTION ON FLOAT
 - c. CONCENTRATED LIVE LOAD: 400 LBS POINT LOAD AT CRITICAL LOCATION, MIN 12" FROM FLOAT EDGE
 - d. HANDRAILS AND GUARDS: 50 LBS PER LINEAL FOOT LATERAL, 200 LBS CONCENTRATED LOAD AT ANY POINT
3. WIND LOADS:
 - a. BASIC WIND SPEED $V = 97$ MPH (700 YEAR RETURN, 3 SECOND GUST)
 - b. EXPOSURE: D
4. CURRENT LOAD:
 - a. 1.5 KNOTS, ESTIMATED TIDAL CURRENT
5. WAVE LOAD

DESIGN CRITERIA (CONT)

	FETCH (MILES)	HS (FT)	HT (SEC)
S EXPOSURE	2.5	3.6	3.2
SSE EXPOSURE	3.1	4.0	3.5
ESE EXPOSURE	1.1	2.4	2.5

6. SEISMIC
 - a. $S_s = 1.5$
 - b. $S_1 = 0.53$
 - c. SITE SOIL CLASS: D
 - d. $S_d_s = 1$
 - e. $S_d_1 = 0.625$
 - f. SEISMIC DESIGN CATEGORY: D
 - g. $R = 1.25$ (GANGWAY SUPPORT PILES)
7. LEVEL TOLERANCES:
 - a. MAX CROSS SLOPE = 1:50
8. FLOAT FREEBOARD: INTENT IS TO MATCH EXISTING MARINA FLOATS
 - a. DEAD LOAD ONLY: 14" - 24"
 - b. DEAD LOAD + LIVE LOAD: 10" MIN
 - c. FREEBOARD SUPPLIED SHALL BE DETERMINED UNDER DEAD LOAD BY MEASUREMENTS AT 20-FOOT INCREMENTS AROUND THE PERIMETER OF THE FLOATS. THE AVERAGE OF ALL MEASUREMENTS SHALL BE THE FREEBOARD SUPPLIED. ANY FREEBOARD MEASUREMENT SHALL NOT VARY FROM THE AVERAGE BY +/- 1 INCH.

ALUMINUM

1. STRUCTURAL SHAPES: 6061-T6
2. PLATE AND FLAT BAR: 5086-T116
3. PIPE: 6063-T6

GRATING

1. 1-1/2" DEEP 3/4" MINIMESH ADA COMPLIANT FRP GRATING.

STEEL

1. PILES: ASTM A252, GR 3, FY = 45 KSI
2. PLATE, ANGLES: ASTM A36, FY = 36 KSI
3. W: ASTM A992 FY = 50 KSI
4. TUBE: ASTM A500 Gr B FY = 46 KSI
5. ALL STEEL AND HARDWARE TO BE GALVANIZED

TIMBER

1. GLUED LAMINATED TIMBER:
 - a. SPECIES: DF/DF
 - b. GRADE: 20F-V7
 - c. FBX = 2000 PSI
2. ALL WOOD MATERIALS SHALL BE PRECUT TO SIZE AND LENGTH AND HOLES DRILLED PRIOR TO PRESERVATIVE TREATMENT AS SPECIFIED.
3. WOOD TREATMENT - WOOD SHALL BE PRESSURE TREATED WITH ACZA OR OTHER WATERBORNE PRESERVATIVE APPROVED BY THE WESTERN WOOD PRESERVERS INSTITUTE (WWPI), FOLLOWING THE MINIMUM PRESERVATIVE PENETRATION AND RETENTION REQUIREMENTS IN ACCORDANCE WITH THE LATEST EDITION OF AWPA STANDARD U1, COMMODITY SPECIFICATION G, USE CATEGORY 5A. FOLLOW WWPI GUIDELINES AND BEST MANAGEMENT PRACTICES (BMPS) TO MINIMIZE MIGRATION AND LEACHING. THE PRODUCER OF THE TREATED WOOD PRODUCTS MUST PROVIDE CERTIFICATION THAT WWPI BMPS FOR THE USE OF WOOD TREATED IN AQUATIC AND WETLAND ENVIRONMENTS WERE UTILIZED INCLUDING A WRITTEN DESCRIPTION AND APPROPRIATE DOCUMENTATION OF THE BMPS UTILIZED.
4. CUT, BEVEL, AND FACE TIMBER PRIOR TO PLANT PRESERVATIVE TREATMENT
5. CONNECTION HARDWARE - HARDWARE MUST CONSIST OF BOLTS WITH NECESSARY NUTS AND WASHERS, DRIFT PINS, DOWELS, NAILS, SCREWS, SPIKES, AND OTHER FASTENINGS. BOLTS AND NUTS MUST CONFORM TO ASTM A307. HOT-DIP GALVANIZE ALL HARDWARE SPECIFIED OR INDICATED IN ACCORDANCE WITH ASTM A123 OR ASTM A153.

FLOATING DOCK

1. FLOATING DOCK SYSTEM SHALL BE MANUFACTURED BY A FIRM WITH A MINIMUM EXPERIENCE OF FIVE YEARS IN DESIGNING, ENGINEERING AND MANUFACTURING UNITS CONFORMING TO THESE SPECIFICATIONS.
2. THE MANUFACTURER SHALL PROVIDE ALL MATERIALS WHICH EITHER EQUAL OR EXCEED THE QUALITY OF THE MATERIALS SPECIFIED. THE FLOATING PIER SYSTEM SHALL HAVE THE LAYOUT, DIMENSIONS, MATERIALS, AND OVERALL CONFIGURATION SHOWN ON THESE PLANS.
3. THE MANUFACTURER SHALL BE RESPONSIBLE FOR DESIGNING THE

DESIGN CRITERIA (CONT)

- FLOATING PIER STRUCTURE CONFORMING TO THE DIMENSIONS SHOWN ON THE PLANS, SERVICEABILITY ACCORDING TO THE INTENDED USE AND CRITERIA SHOWN ON THESE NOTES. THE MANUFACTURER SHALL PRODUCE ENGINEERED DRAWINGS (SHOP DRAWINGS).
4. FLOATATION SHALL HAVE AN IMPACT RESISTANT DURABLE COVERING. NO HOLLOW FLOAT MODULES SHALL BE ALLOWED.
 5. FOAM: CLOSED CELL CORROSION PROOF EXPANDED RIGID CELLULAR POLYSTYRENE FOAM, ASTM C578, SNUGLY FITTED INTO POLYETHYLENE PONTOONS. THE DENSITY OF THE POLYSTYRENE SHALL BE BETWEEN 0.9 AND 1.1 POUNDS PER CUBIC FOOT. FOAM ABSORPTION SHALL BE LESS THAN 2% BY VOLUME -ASTM C272.
 6. THE FLOATING DOCK MANUFACTURER SHALL FURNISH A WRITTEN WARRANTY TO THE PORT OF SILVERDALE. THIS WARRANTY SHALL WARRANT THE FLOATING DOCK SYSTEM FREE OF DEFECTS AS SET FORTH BELOW:
 - a. POLYETHYLENE FLOATATION: MOLDED CROSS-LINKED POLYETHYLENE FLOATATION UNITS SHALL BE GUARANTEED BY THE FLOATING DOCK MANUFACTURER AGAINST DEFECTS IN MATERIAL OR WORKMANSHIP, AGAINST DETERIORATION DUE TO CHEMICAL ACTION OF SEA WATER, FRESH WATER, AND WATERBORNE CHEMICALS; AGAINST FAILURE FROM ULTRA-VIOLET DEGRADATION; AGAINST FAILURE FROM ENVIRONMENTAL STRESS CRACKING; AND AGAINST ATTACH FROM MARINE ORGANISMS FOR A PERIOD OF 10 YEARS FROM THE DATE OF SHIPMENT. SUBMIT MANUFACTURER'S GUARANTEE.
 - b. THE FLOATING PIER MANUFACTURER SHALL WARRANT TO THE PORT OF SILVERDALE THE FLOATING PIER STRUCTURE TO BE FREE FROM DEFECTS IN DESIGN, MATERIAL, AND WORKMANSHIP UNDER NORMAL USE AND SERVICE. AT ANY TIME WITHIN ONE YEAR FROM THE DATE OF COMPLETION, THE MANUFACTURER SHALL FURNISH AND INSTALL, WITHOUT COST TO THE PORT OF SILVERDALE ANY PART, ASSEMBLY, OR PORTION THEREOF WHICH EXAMINATION SHALL DISCLOSE TO BE DEFECTIVE OF FAILED TO FUNCTION AS INTENDED. THE GUARANTEE PERIOD SHALL BE FOR A PERIOD OF ONE YEAR FROM THE DATE ON WHICH THE COMPLETED WORK IS TURNED OVER TO AND ACCEPTED BY THE PORT OF SILVERDALE.
 7. THE FLOATING DOCK SYSTEM'S INSTALLATION SHALL BE UNDER THE STRICT SUPERVISION OF AN EXPERIENCED AND COMPETENT MANUFACTURER'S REPRESENTATIVE. INFORMATION REGARDING THE REPRESENTATIVE'S EXPERIENCE AND COMPETENCY IN THIS LINE OF WORK SHALL BE SUBMITTED TO THE ENGINEER.
 8. THE FLOATING DOCK SYSTEM SHALL BE UNLOADED, ASSEMBLED AND FLOATED AT THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF ALL COMPONENTS OF THE STRUCTURE WHILE AT THE ASSEMBLY SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSPORTING THE STRUCTURE, IN WHATEVER STATE OF DISASSEMBLY IS NECESSARY, TO THE FINAL SITE. THE FLOATING STRUCTURE SHALL BE SECURED BY THE CONTRACTOR TO AVOID DAMAGE UNTIL PERMANENT CONNECTIONS TO THE ANCHORAGES ARE MADE. RESPONSIBILITY FOR THE STRUCTURE SHALL REMAIN WITH THE CONTRACTOR UNTIL ACCEPTANCE BY THE PORT OF SILVERDALE.

LOW FREEBOARD FLOAT

1. LOW FREEBOARD FLOAT TO BE SUPPLIED BY CONTRACTOR MANUFACTURED BY A FIRM WITH A MINIMUM EXPERIENCE OF FIVE YEARS IN DESIGNING, ENGINEERING, AND MANUFACTURING UNITS CONFORMING TO THESE SPECIFICATIONS. MAXIMUM FREEBOARD UNDER DEAD LOAD = 12 INCHES. MINIMUM FREEBOARD UNDER DEAD LOAD + 25 PSF LIVE LOAD = 4 INCHES. FLOAT SURFACE SHALL BE FREE OF OBSTRUCTIONS. FLOAT SHALL ATTACH TO NON-MOTORIZED FLOAT WITH A CONTINUOUS HINGE DESIGNED BY THE FLOAT MANUFACTURER. SUBMIT SHOP DRAWINGS OF THE NON-MOTORIZED FLOAT TO THE ENGINEER FOR REVIEW.

DRAWING INDEX

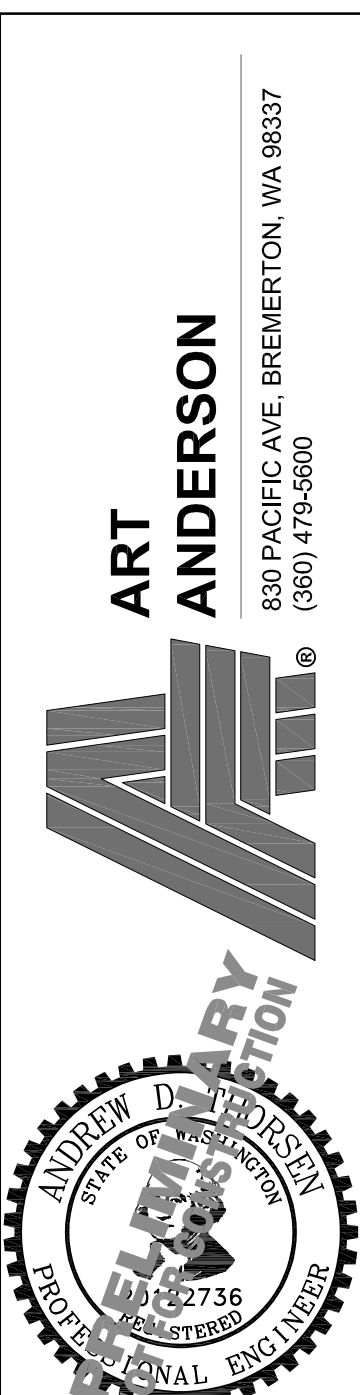
1	G001	TITLE SHEET, LOCATION MAPS, & PROJECT TEAM
2	G002	DRAWING INDEX, NOTES, ABBREVIATIONS, & LEGEND
3	S101	MARINA PLAN
4	S201	NON-MOTORIZED FLOAT DECKING PLAN
5	S202	NON-MOTORIZED FLOAT FRAMING PLAN
6	S301	GANGWAY & PIER EXTENSION PLAN & ELEVATION
7	S501	DETAILS - PEIR EXTENSION
8	S502	GANGWAY CONNECTION SECTIONS AND ELEVATIONS
9	S503	GANGWAY DETAILS
10	S504	GANGWAY DETAILS
11	S505	MISC. DETAILS

ABBREVIATIONS

ELEV	ELEVATION
MHHW	MEAN HIGH HIGH WATER
MLLW	MEAN LOW LOW WATER
OC	ON CENTER
OHWM	ORDINARY HIGH WATER MARK
TYP	TYPICAL

LEGEND

-#	ELEVATION
~5~	CONTOUR LINE



PORT OF SILVERDALE
 NON-MOTORIZED FLOAT DESIGN
 P.O. BOX 310
 SILVERDALE, WASHINGTON 98383

DRAWN: MWM
 DESIGNED: ADT
 CHECKED: RBC

ISSUE DATE
 31 JAN 2023

REVISIONS

JOB NO
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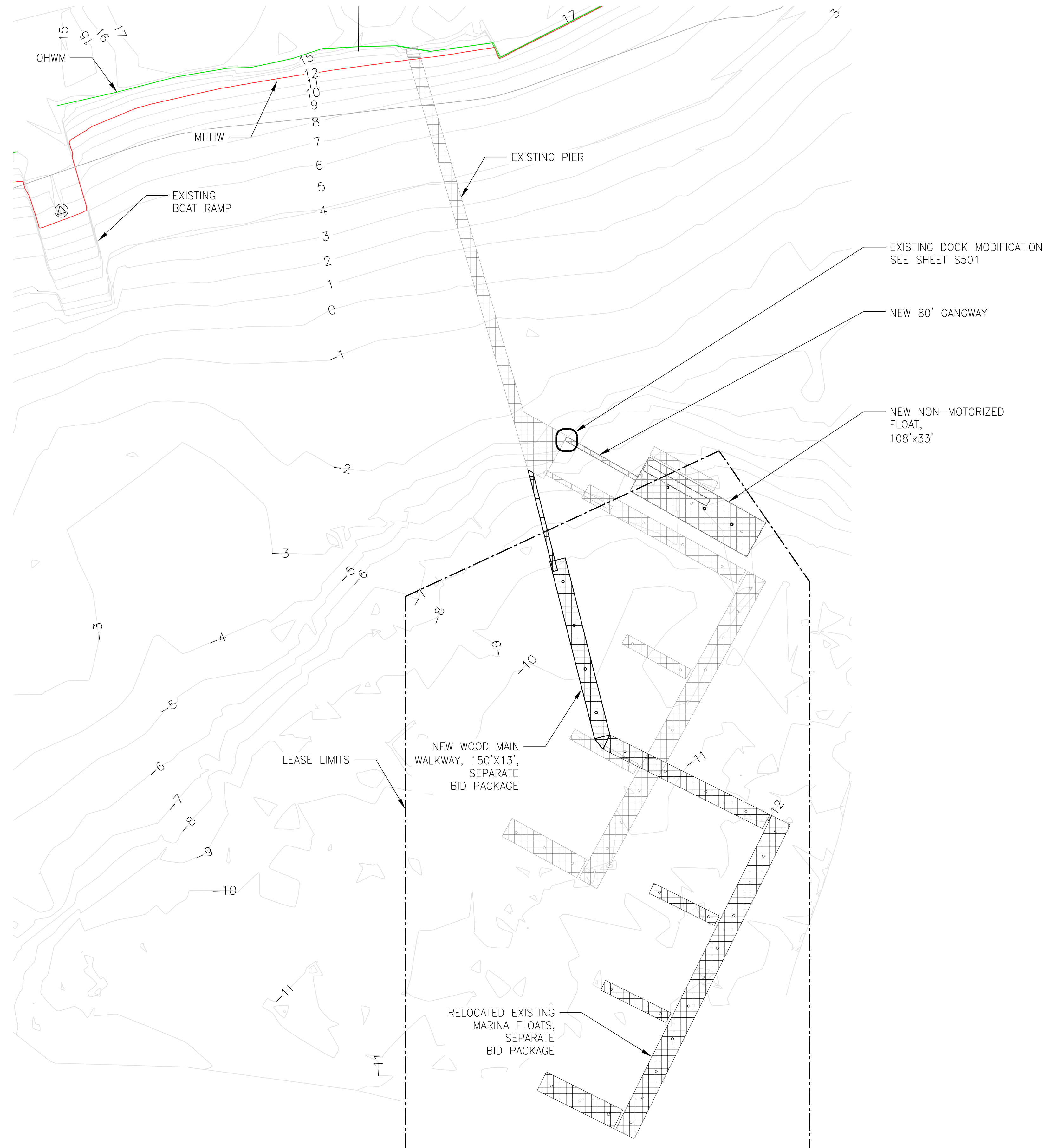
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 DRAWING INDEX, NOTES,
 ABBREVIATIONS, &
 LEGEND

SHT NO 2 OF 11

PREFINAL SUBMITTAL
 2023-JAN-31

SHEET IS 22x34 ANSI D
 IF PRINTING 11x17 USE
 50% SCALE FACTOR

G002



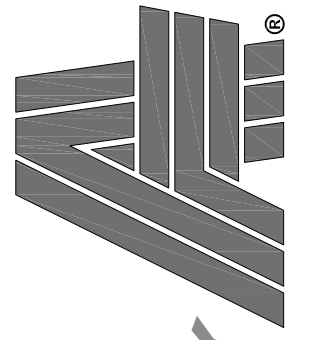
PREFINAL SUBMITTAL
2023-JAN-31

1
S101 MARINA PLAN
SCALE: 1"=50'

0 10' 20' 30' 40' 50' 75' 100' 150'
SCALE: 1" = 50'

SHEET IS 22x34 ANSI D
IF PRINTING 11x17 USE
50% SCALE FACTOR

ART ANDERSON
830 PACIFIC AVE. BREMERTON, WA 98337
(360) 479-5600



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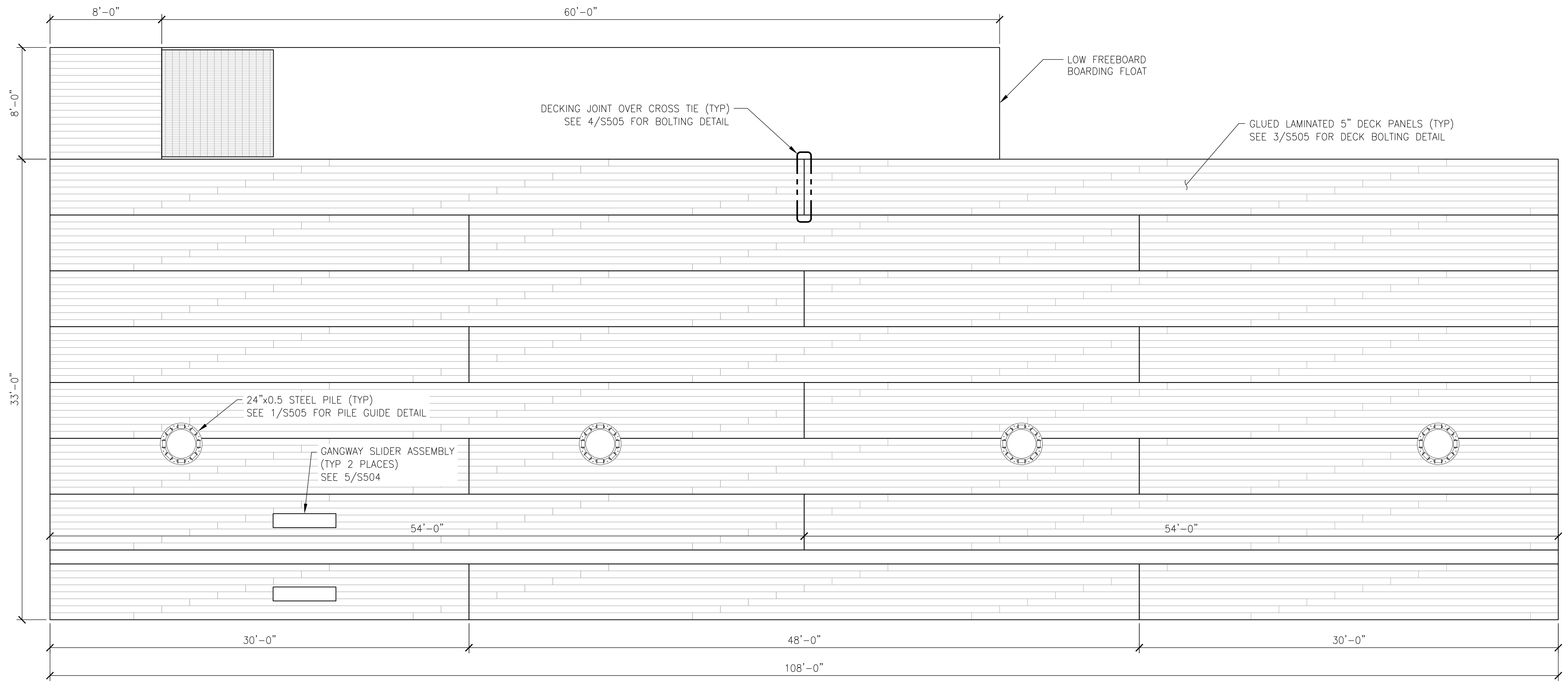
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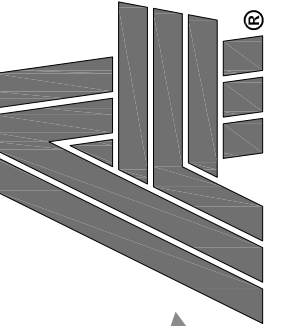
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MARINA PLAN

SHT NO 3 OF 11

S101



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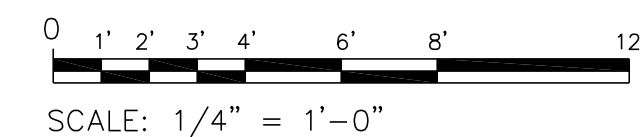
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NON-MOTORIZED FLOAT
DECKING PLAN

SHT NO 4 OF 11

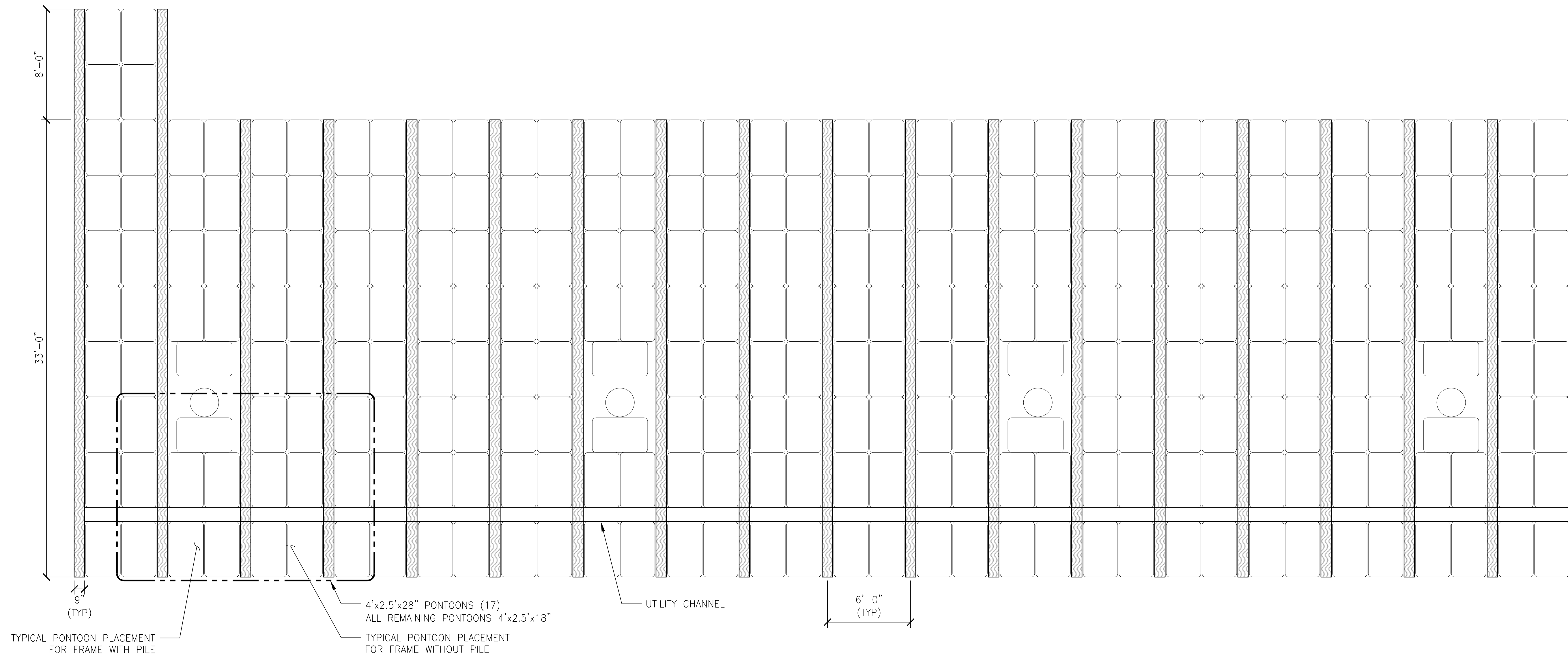
S201

PREFINAL SUBMITTAL
2023-JAN-31

1
S201 **DECKING PLAN**
SCALE: 1/4" = 1'-0"



SHEET IS 22x34 ANSI D
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50% SCALE FACTOR



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2023-JAN-31

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

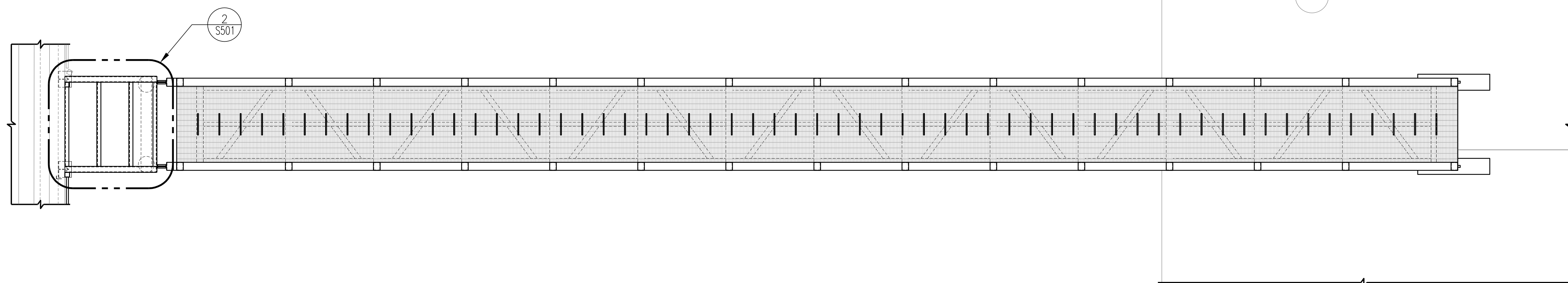
0 1' 2' 3' 4' 6' 8' 12'
SCALE: 1/4" = 1'-0"
SHEET IS 22x34 ANSI D
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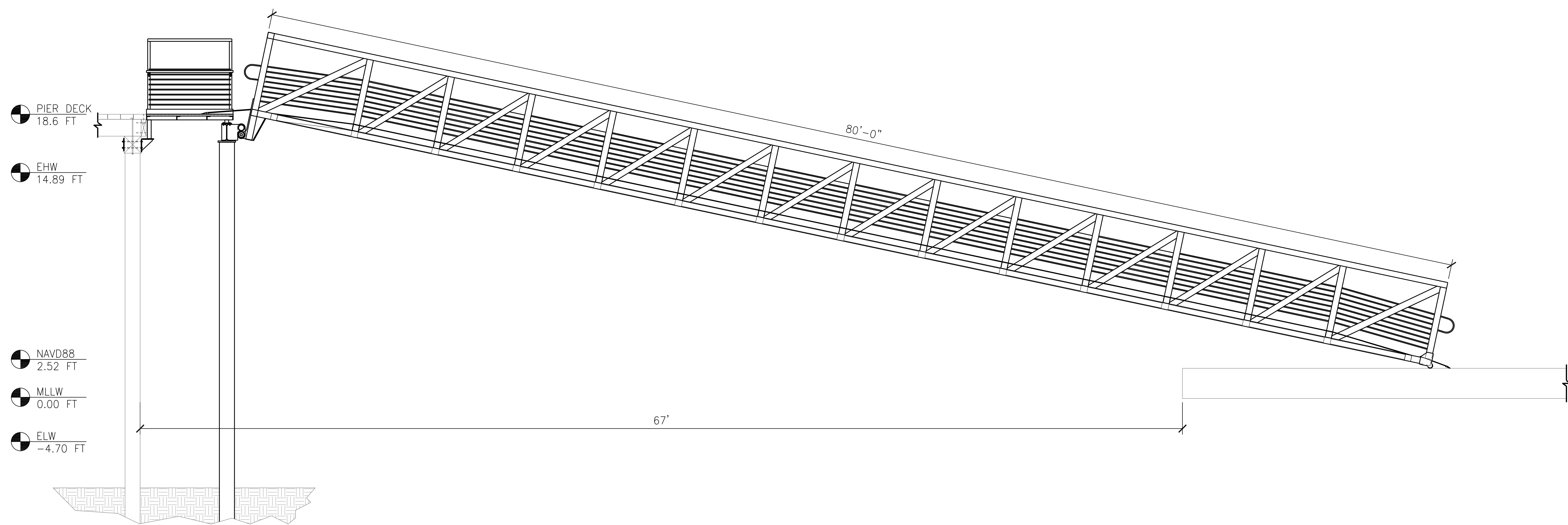
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JOB NO	FWPSI001.003
SHT TITLE	NON-MOTORIZED FLOAT FRAMING PLAN
SHT NO	5 OF 11

S202

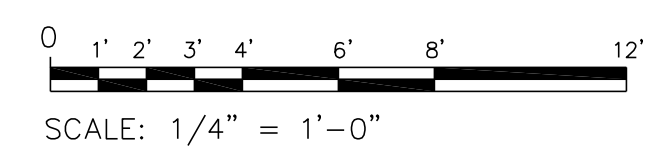


1 GANGWAY AND PIER EXTENSION PLAN
SCALE: 1/4"=1'-0"



2 GANGWAY AND PIER EXTENSION ELEVATION
SCALE: 1/4"=1'-0"

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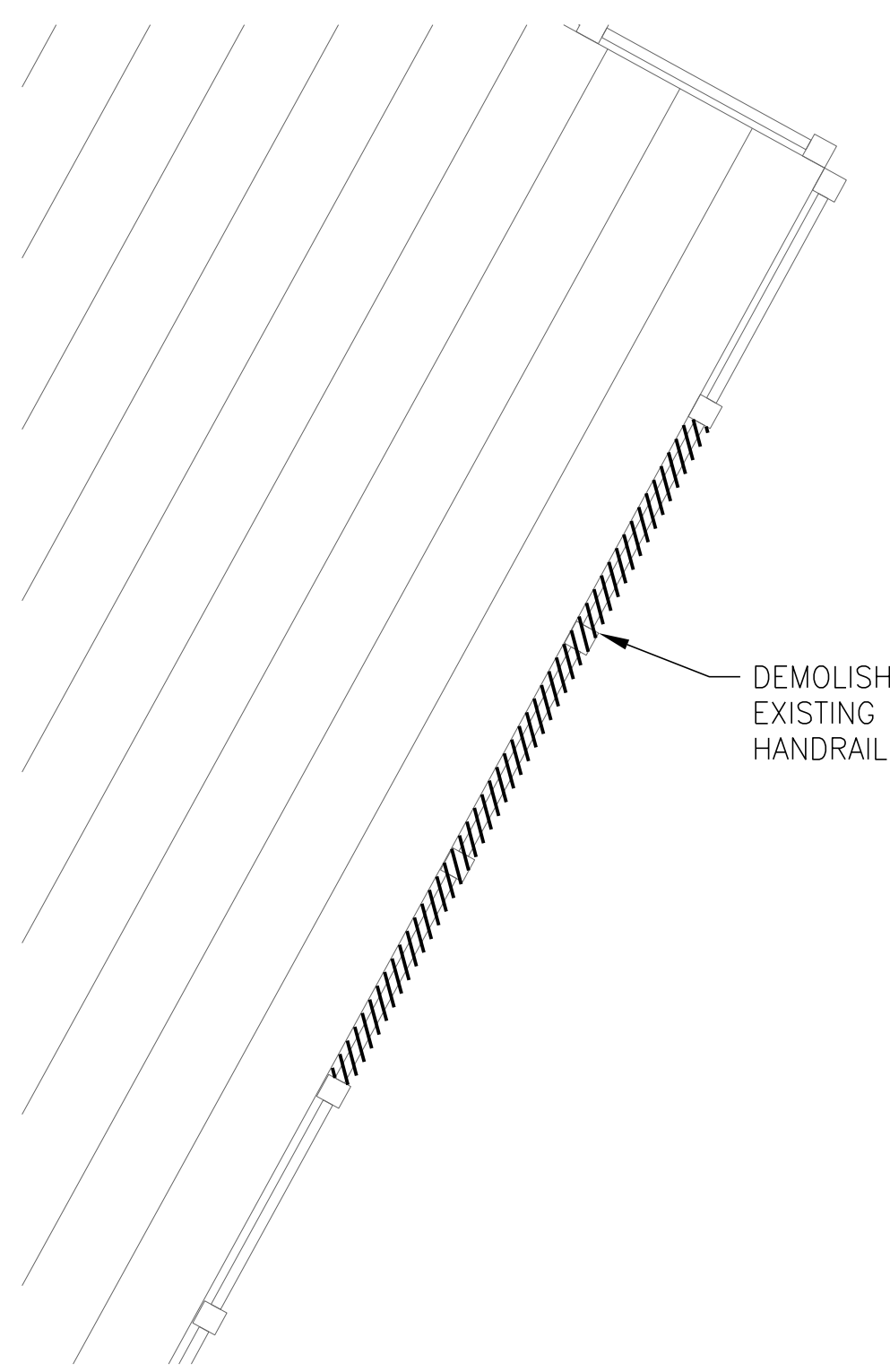
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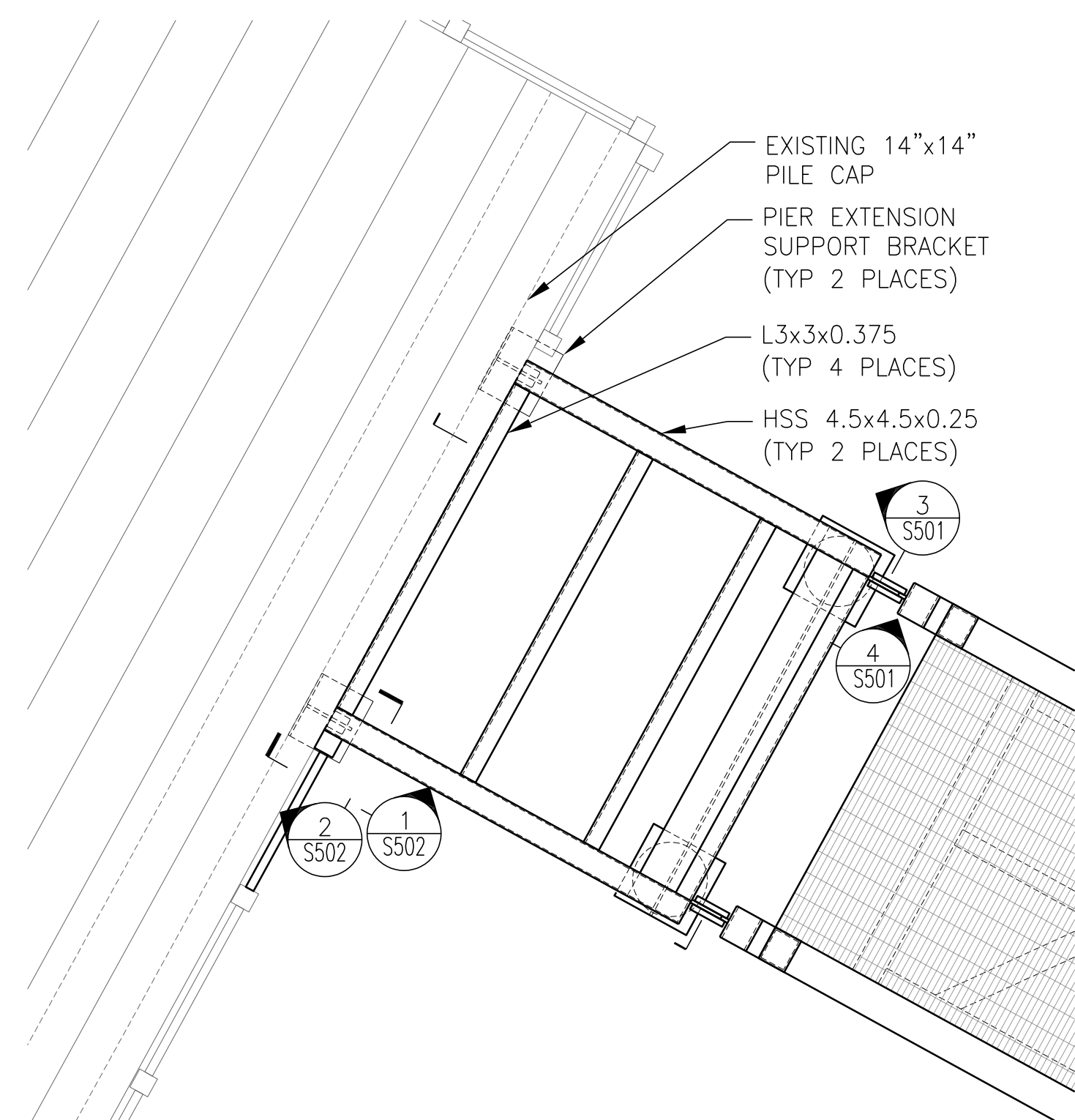
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GANGWAY & PIER
EXTENSION PLAN &
ELEVATION

SHT NO 6 OF 11

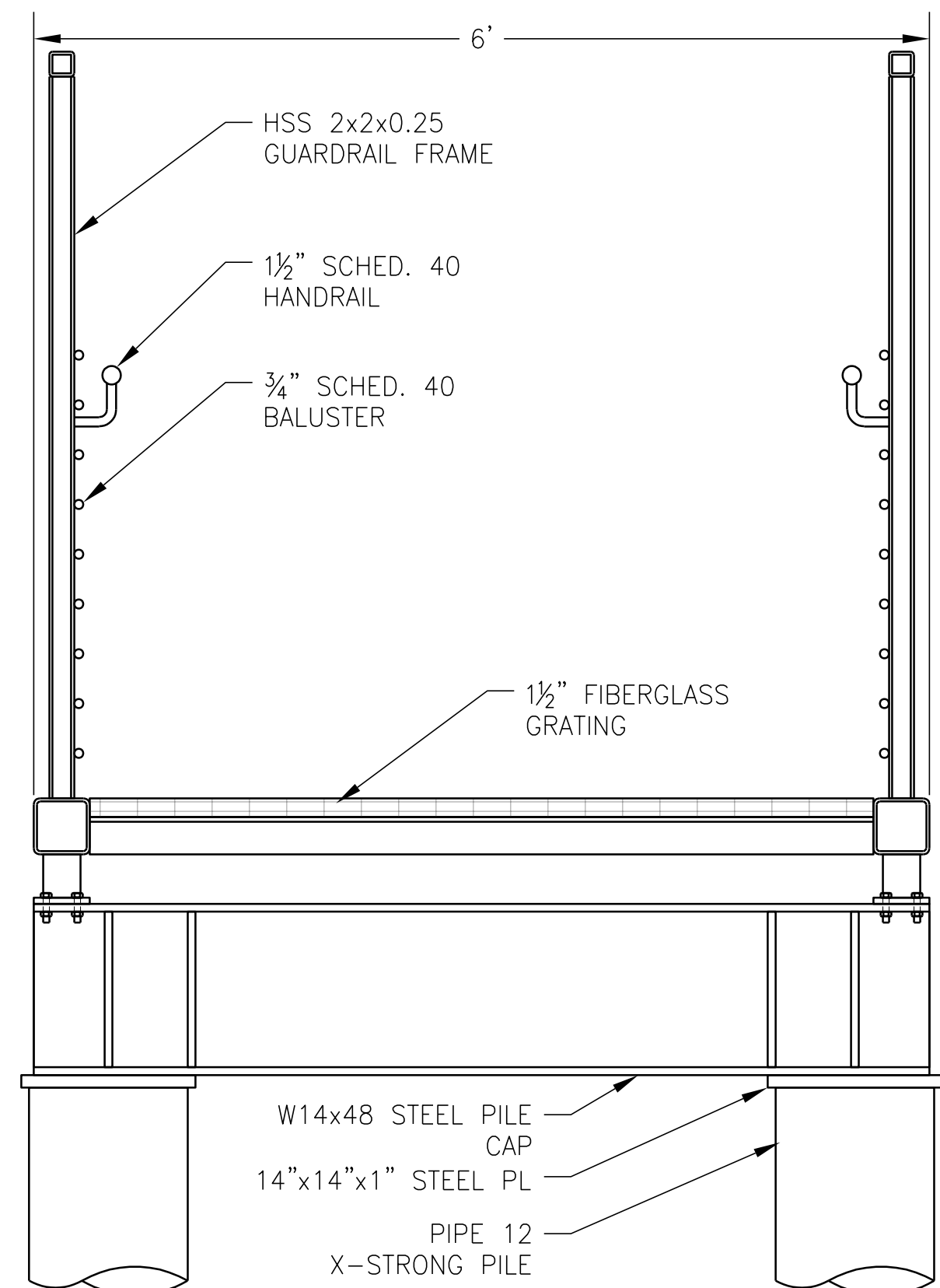
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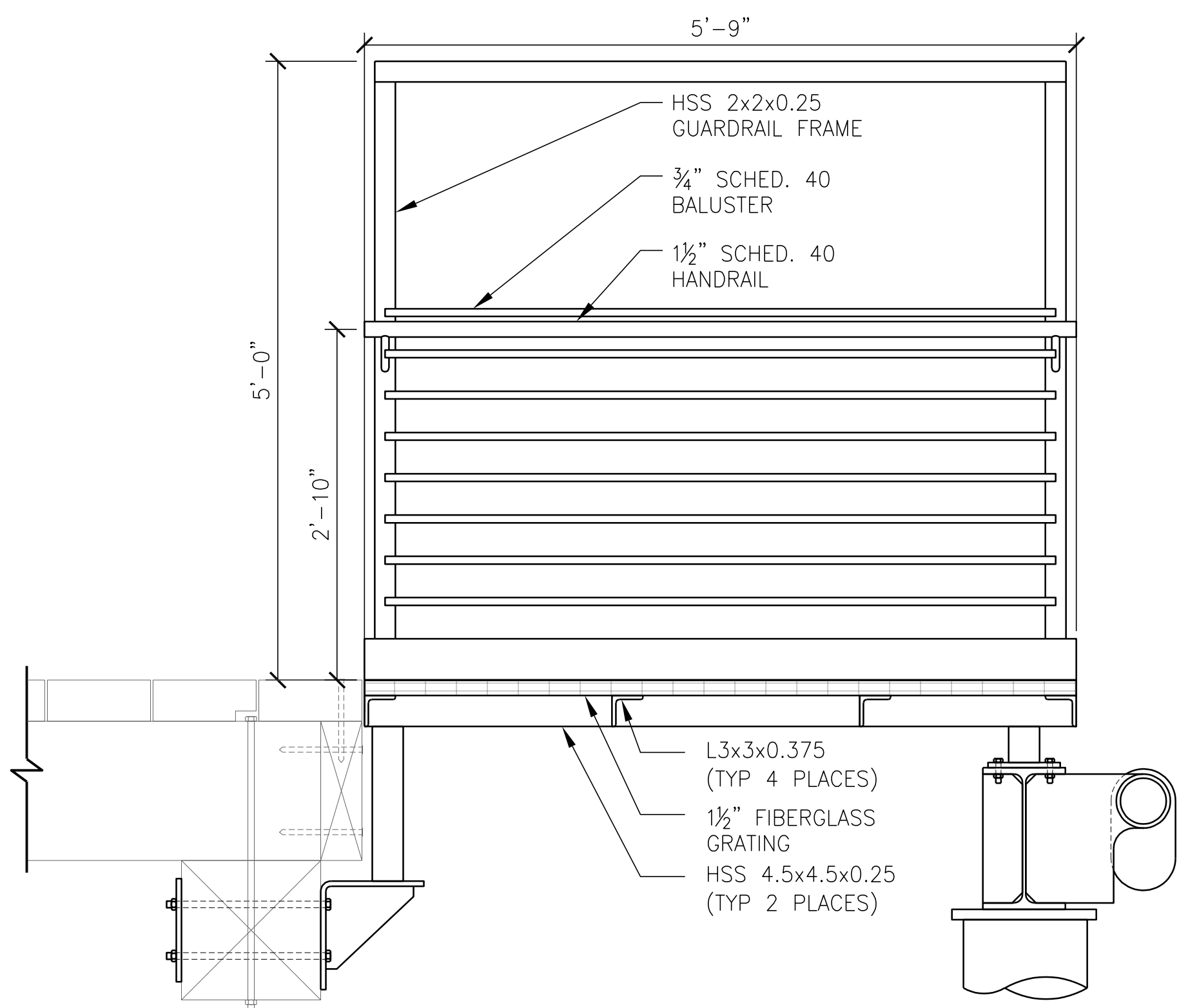
1 PIER DEMOLITION PLAN
SCALE: 1/2" = 1'-0"



2 PIER EXTENSION PLAN
SCALE: 1/2" = 1'-0"



3 PIER EXTENSION SECTION
SCALE: 1" = 1'-0"



4 PIER EXTENSION SECTION
SCALE: 1" = 1'-0"

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0 3" 6" 9" 1' 2' 3'
SCALE: 1" = 1'-0"

0 2" 4" 6" 12" 2'
SCALE: 1 1/2" = 1'-0"

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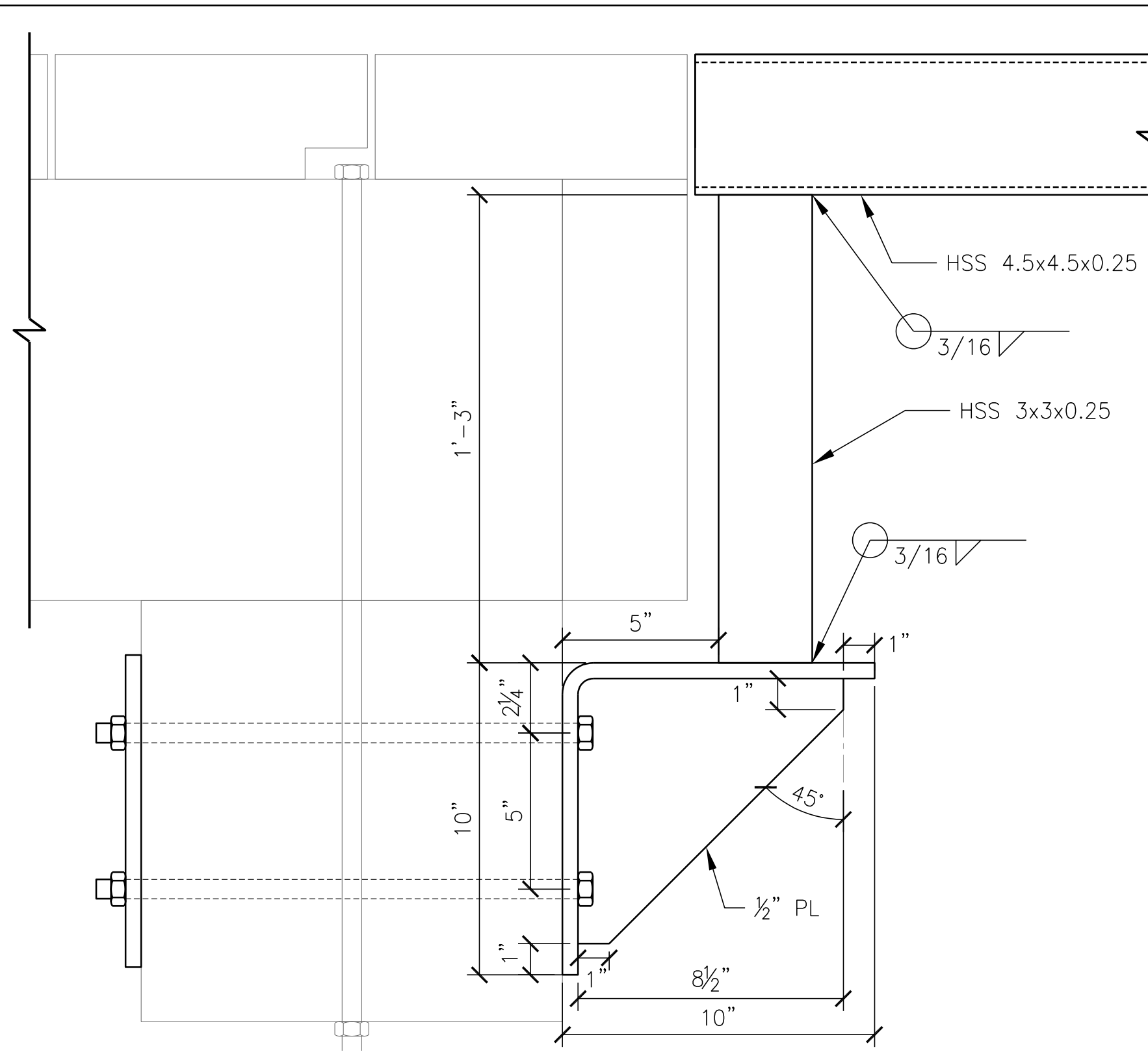
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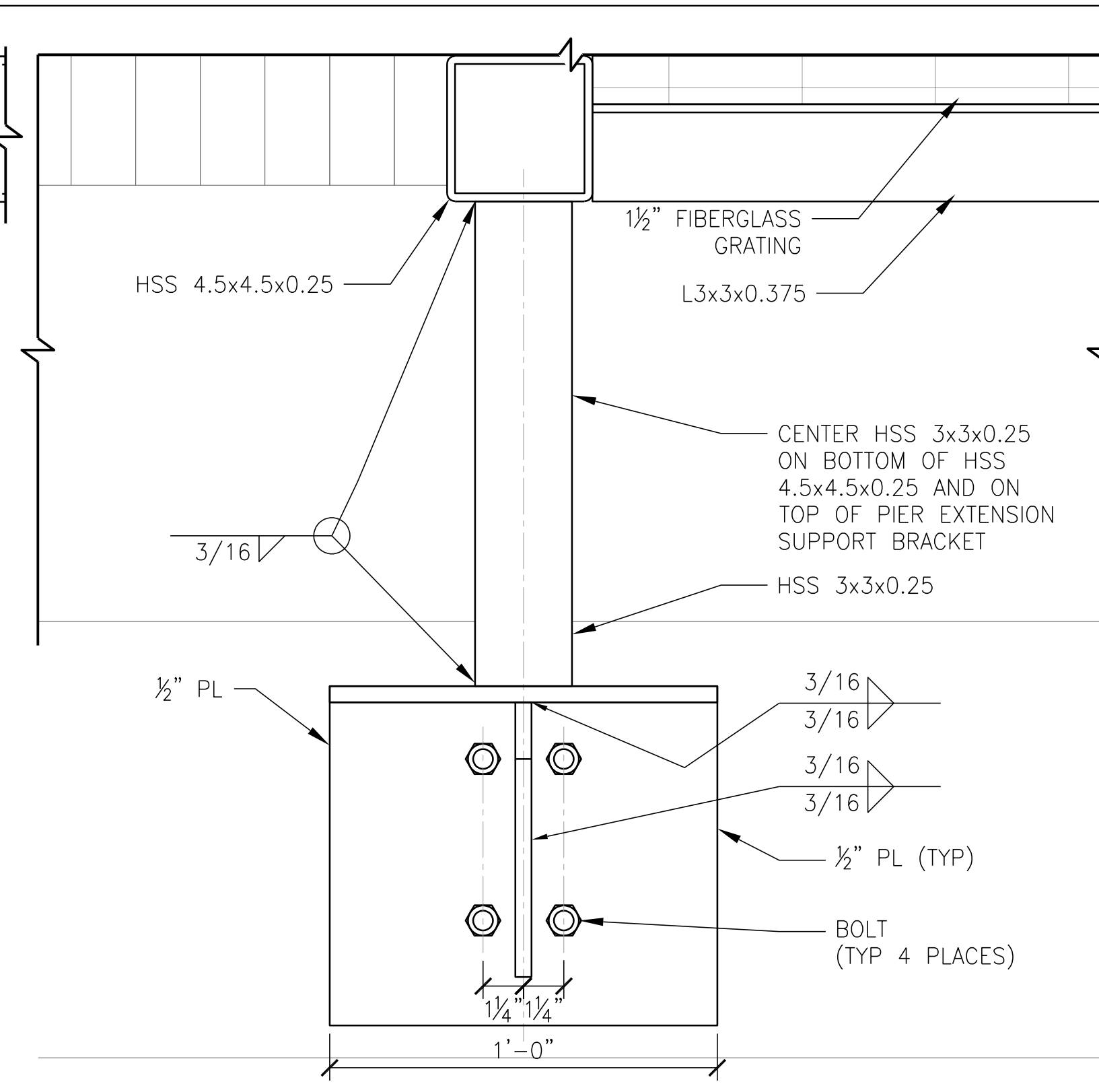
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DETAILS - PEIR
EXTENSION

SHT NO
7 OF 11

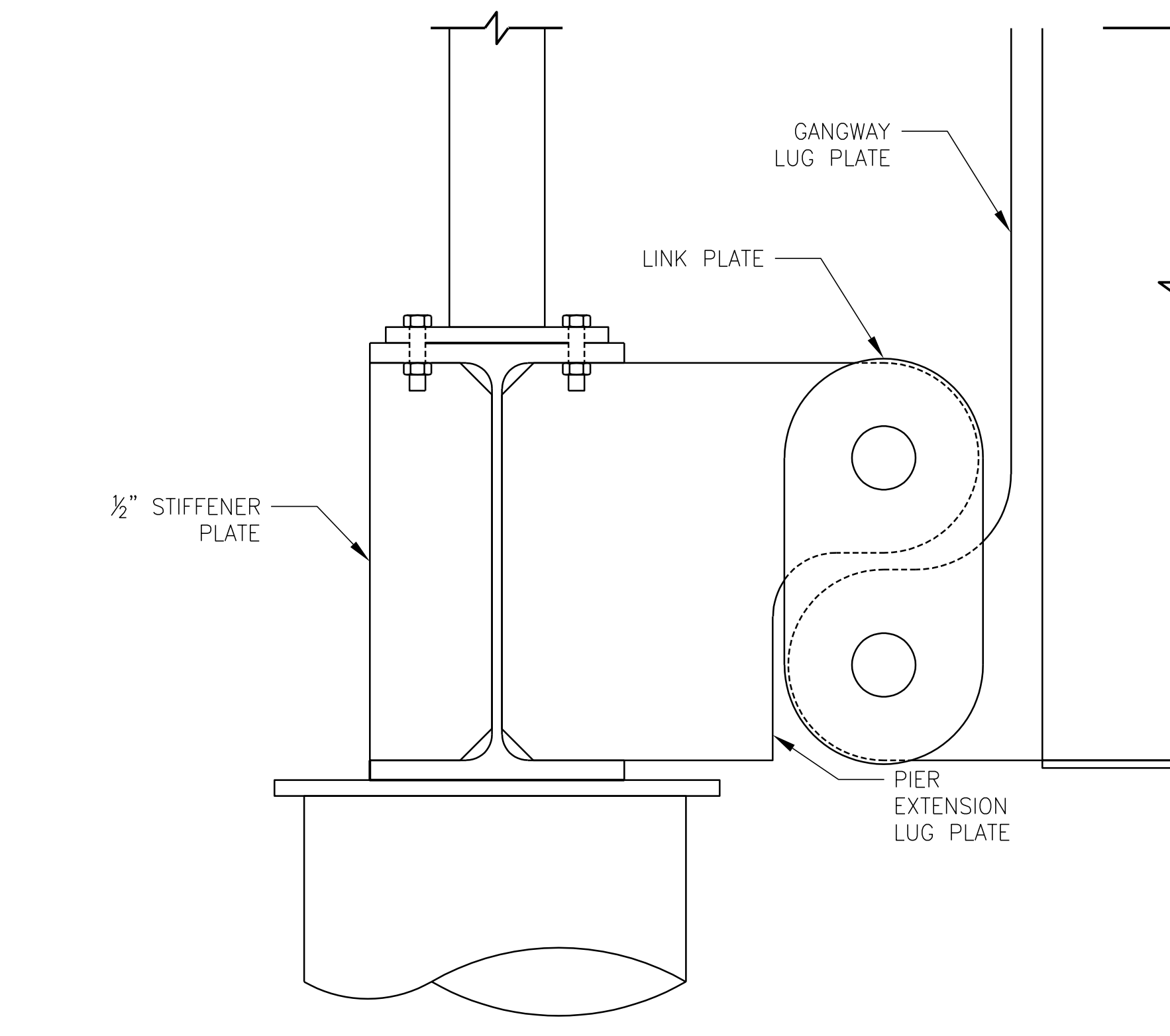
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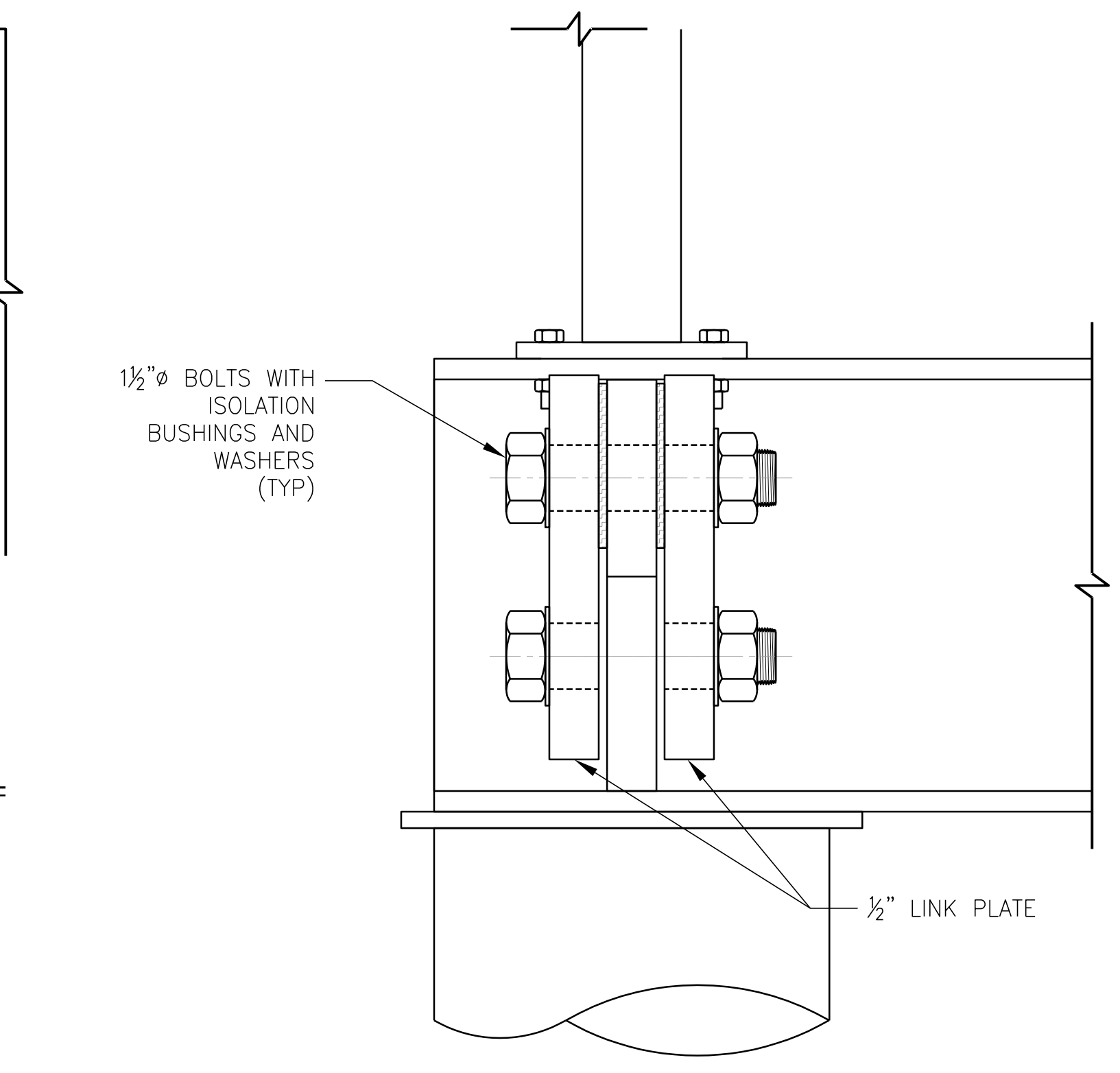
1
S502
GANGWAY EXTENSION
PIER SIDE SUPPORT SECTION
SCALE: 3" = 1'-0"



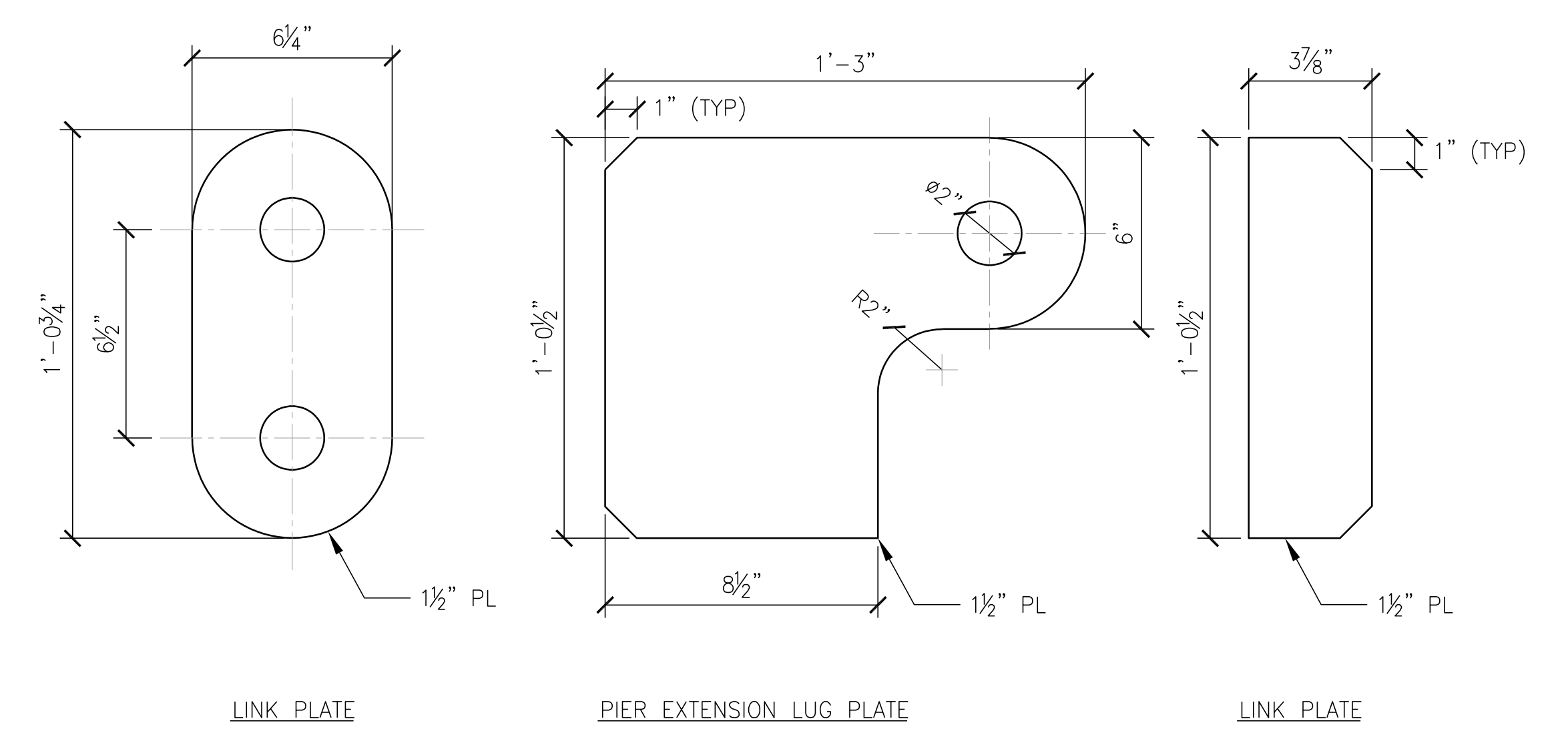
2
S502
GANGWAY EXTENSION
PIER SIDE SUPPORT ELEVATION
SCALE: 3" = 1'-0"



3
S502
GANGWAY EXTENSION
FLOAT SIDE SUPPORT SECTION
SCALE: 3" = 1'-0"

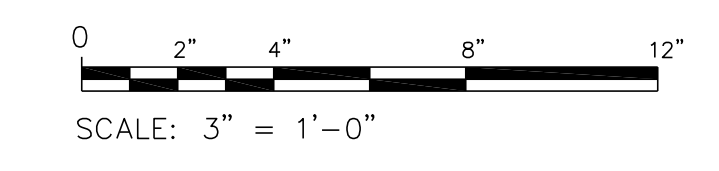


4
S502
GANGWAY EXTENSION
FLOAT SIDE SUPPORT ELEVATION
SCALE: 3" = 1'-0"



5
S502
GANGWAY EXTENSION
FLOAT SIDE SUPPORT PLATE DETAILS
SCALE: 3" = 1'-0"

PREFINAL SUBMITTAL
2023-JAN-31



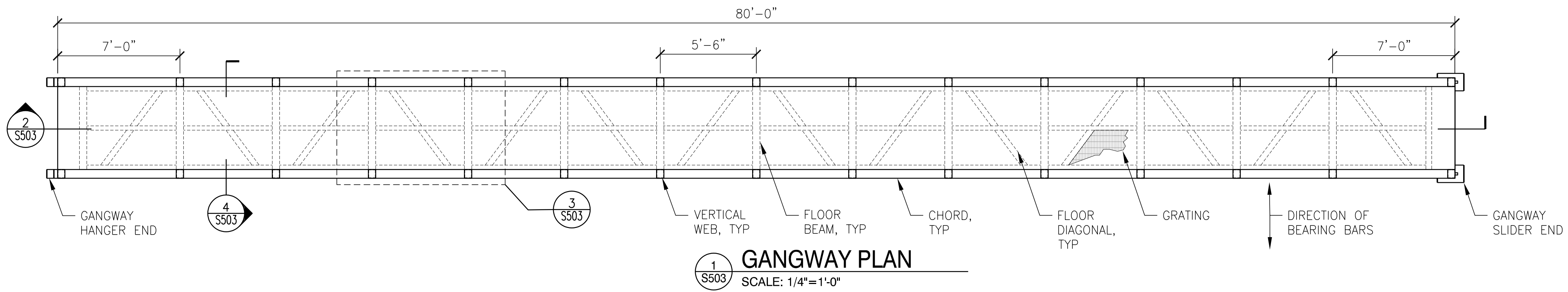
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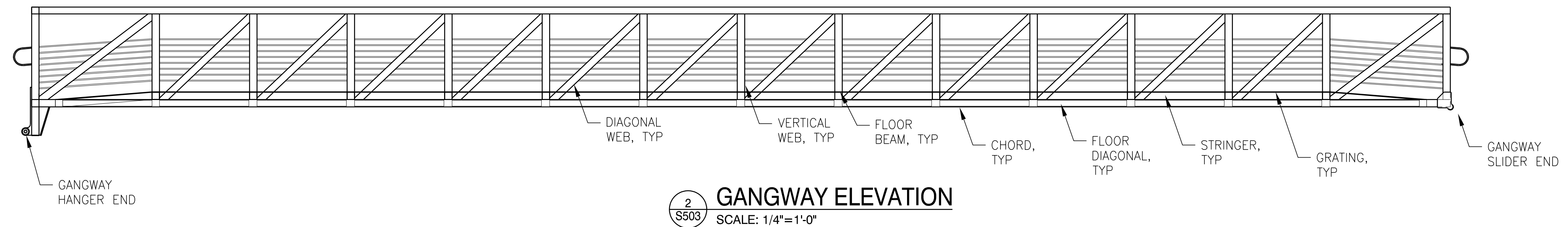
**PORT OF SILVERDALE
NON-MOTORIZED FLOAT DESIGN**
P.O. BOX 310
SILVERDALE, WASHINGTON 98383

DRAWN:	MWM
DESIGNED:	ADT
CHECKED:	RBC
ISSUE DATE:	31 JAN 2023
REVISIONS:	
JOB NO:	FWPSI001.003
SHT TITLE:	GANGWAY CONNECTION SECTIONS AND ELEVATIONS

SHT NO 8 OF 11
S502

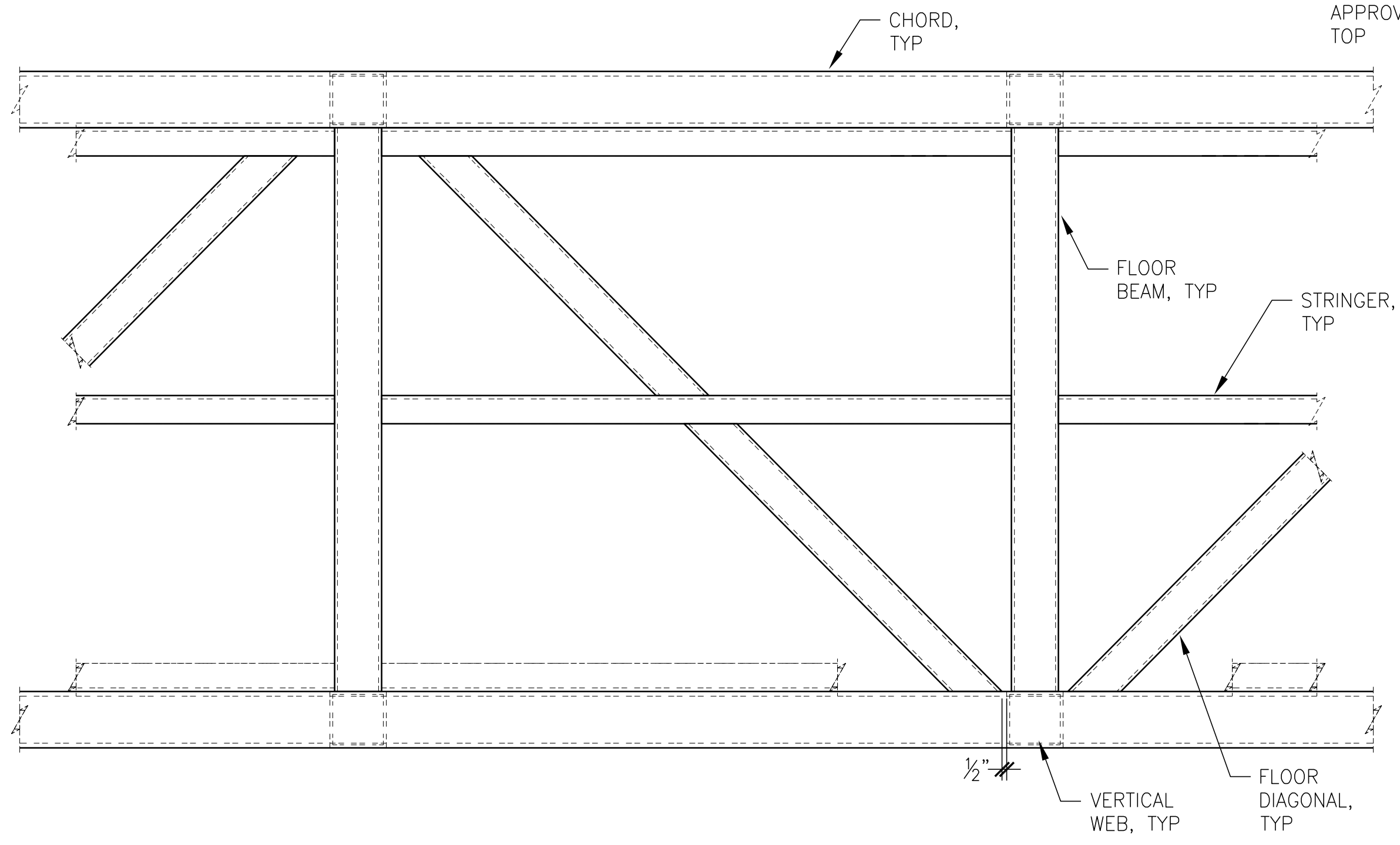


1 GANGWAY PLAN
 S503 SCALE: 1/4"=1'-0"

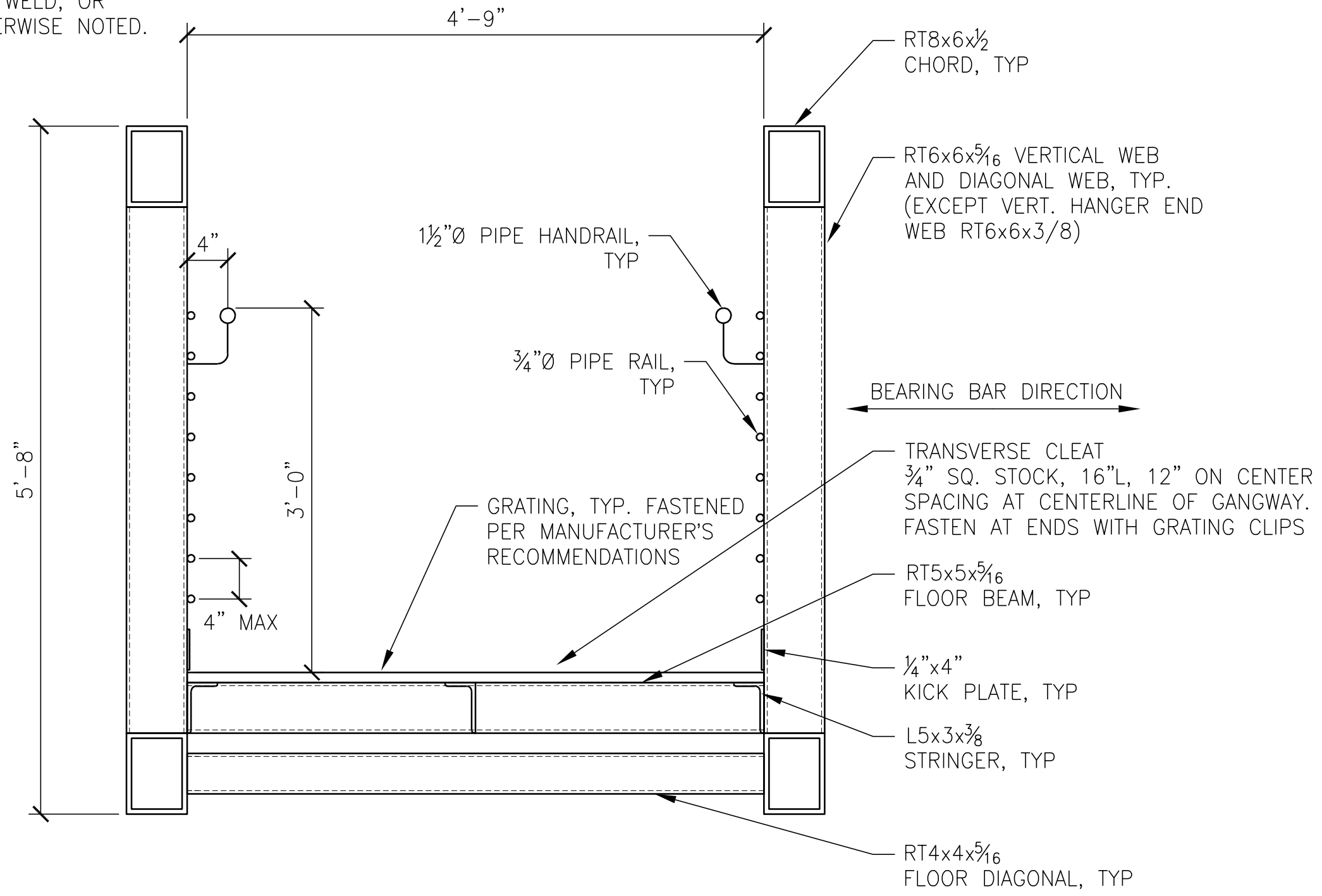


2 GANGWAY ELEVATION
 S503 SCALE: 1/4"=1'-0"

ALUMINUM WELD NOTE:
 ALL JOINTS SHALL BE WELDED WITH A 5/16" FILLET, OR EQUIVALENT GROOVE WELD, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.

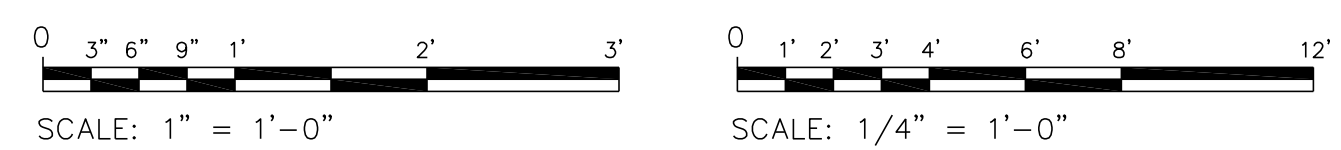


3 ENLARGED GANGWAY PLAN
 S503 SCALE: 1"=1'-0"



4 GANGWAY SECTION
 S503 SCALE: 1"=1'-0"

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 50% SCALE FACTOR

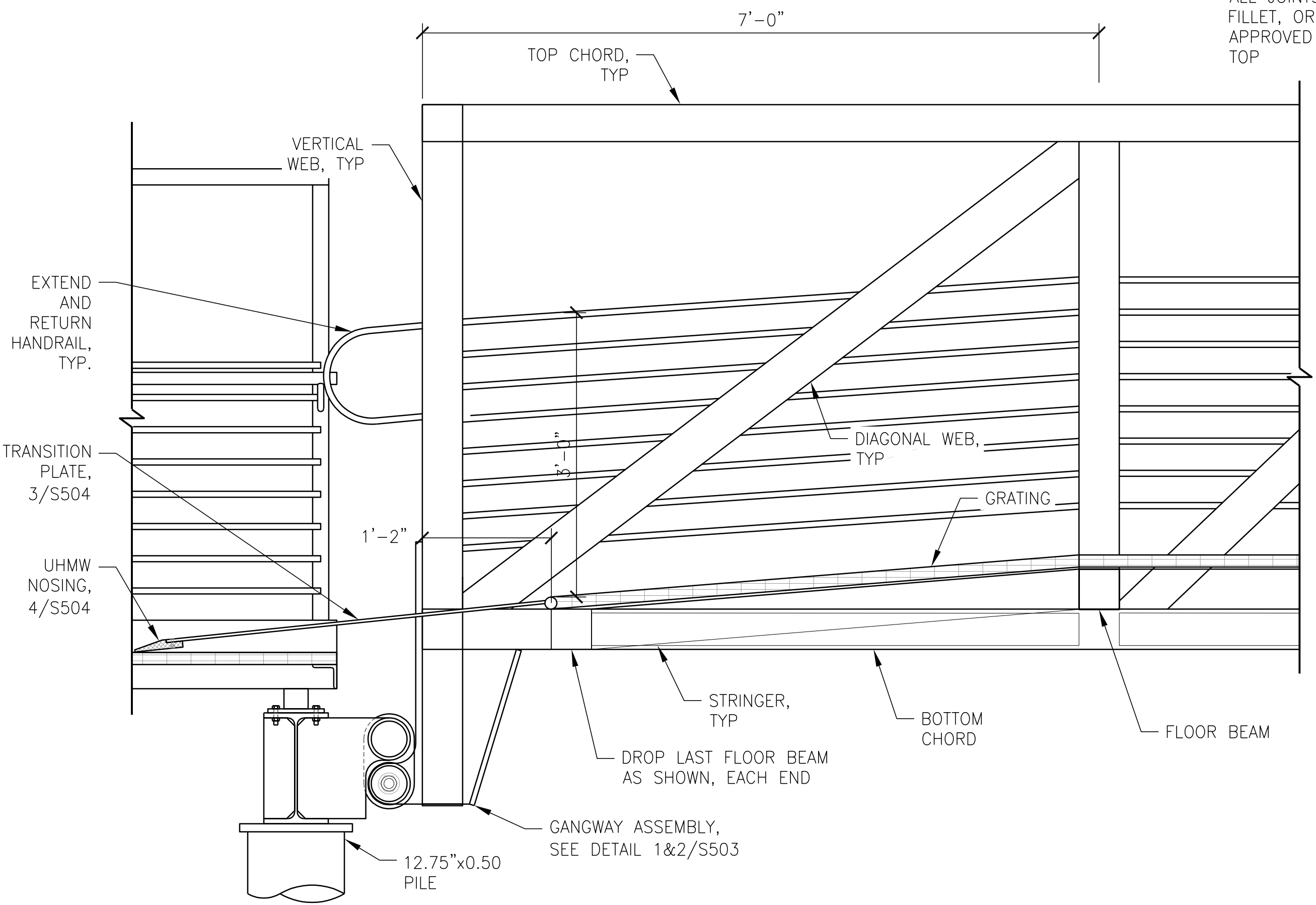
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 (360) 479-5600

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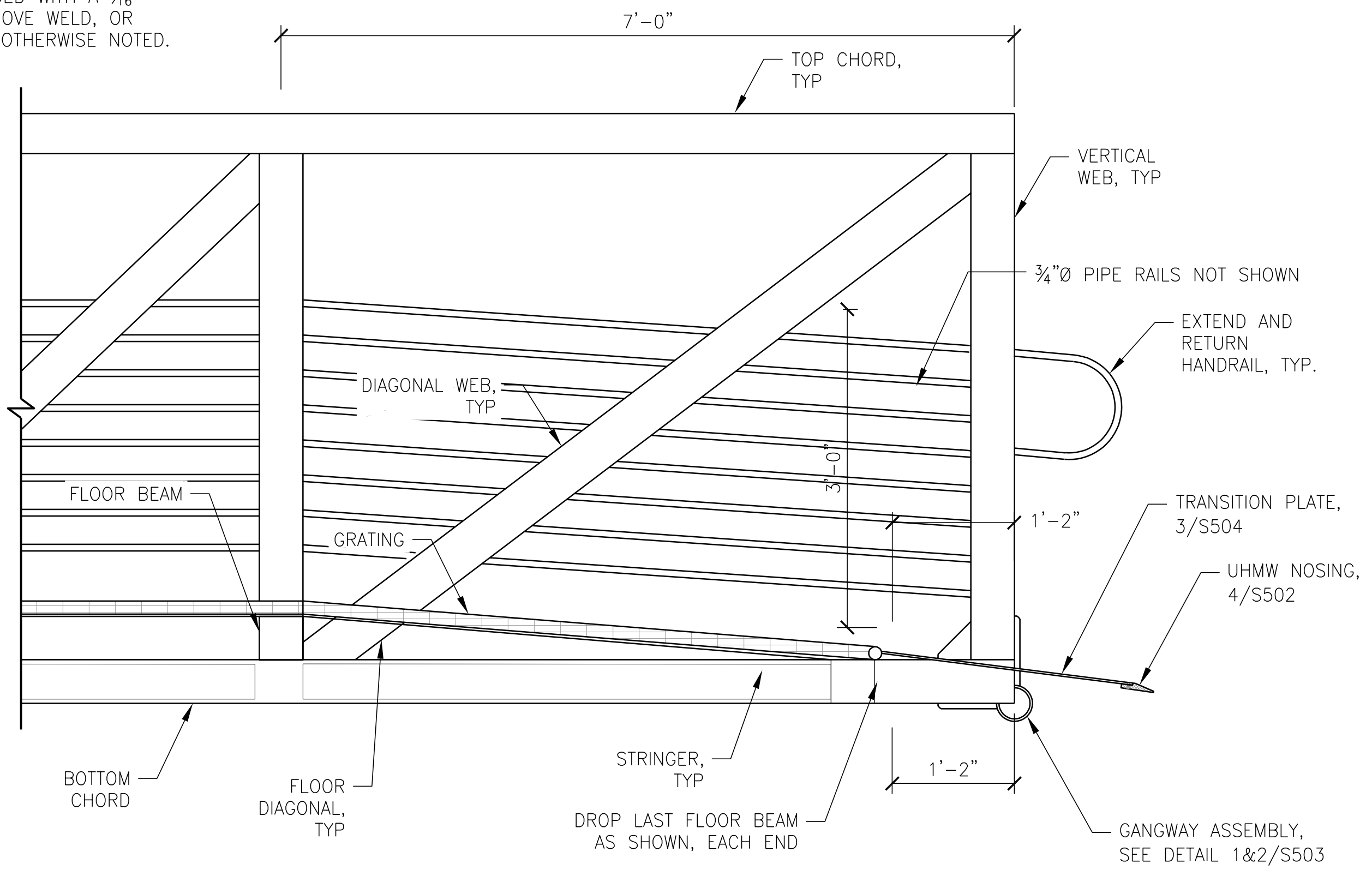
DRAWN:	MWM
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ISSUE DATE	31 JAN 2023
REVISIONS	
JOB NO	FWPSI001.003
SHT TITLE	GANGWAY DETAILS
SHT NO	9 OF 11

S503

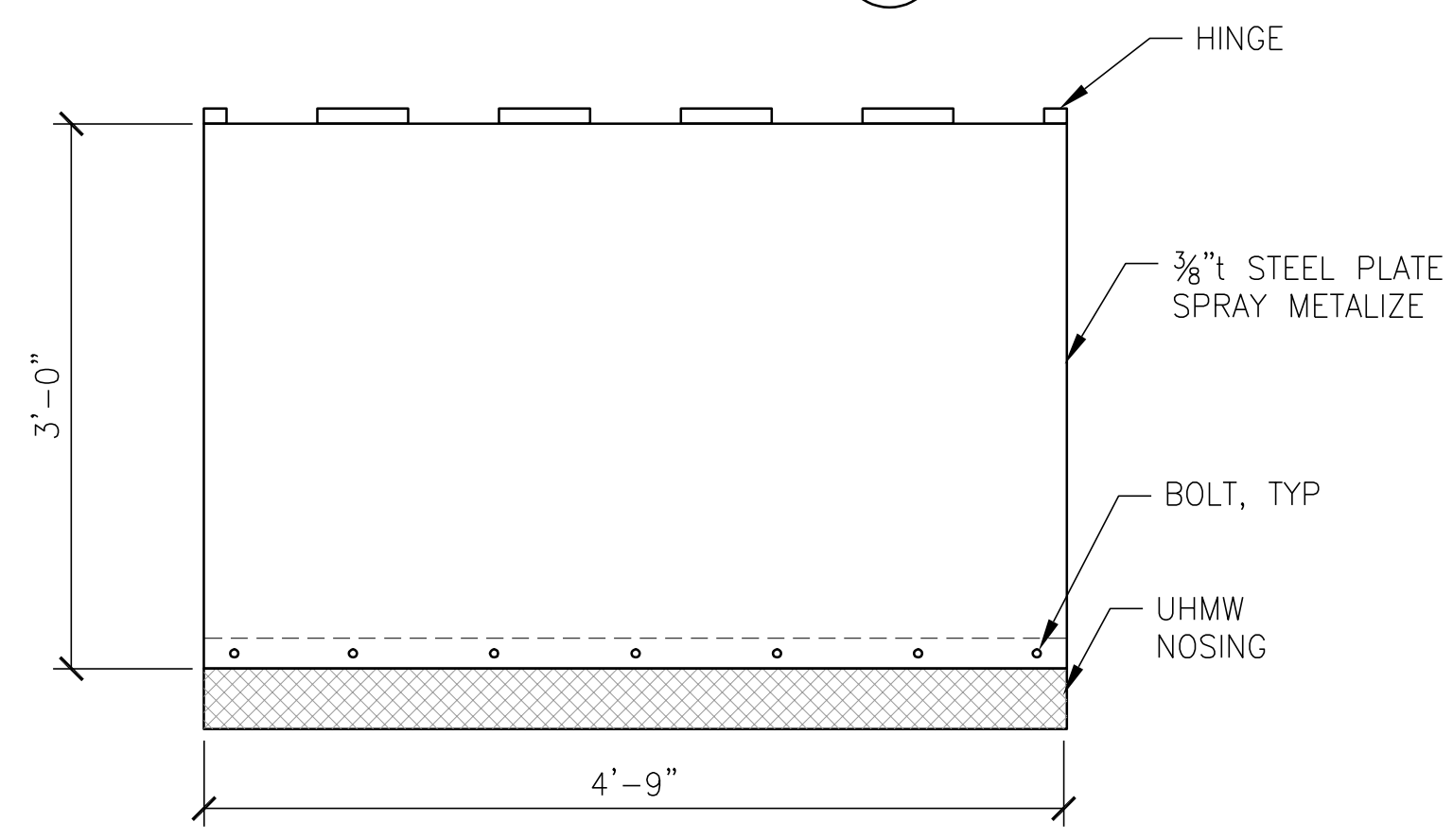
ALUMINUM WELD NOTE:
ALL JOINTS SHALL BE WELDED WITH A 5/16" FILLET, OR EQUIVALENT GROOVE WELD, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.



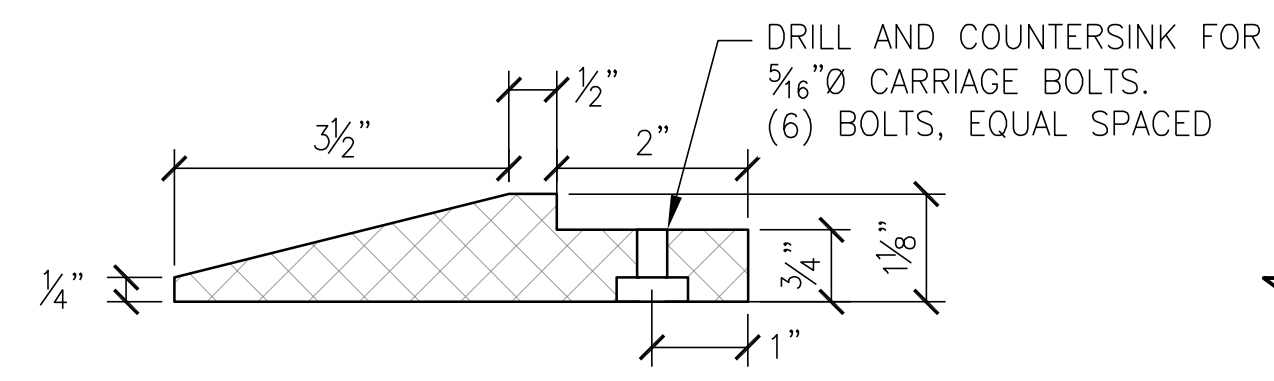
1 S504 GANGWAY END DETAIL
SCALE: 1"=1'-0"



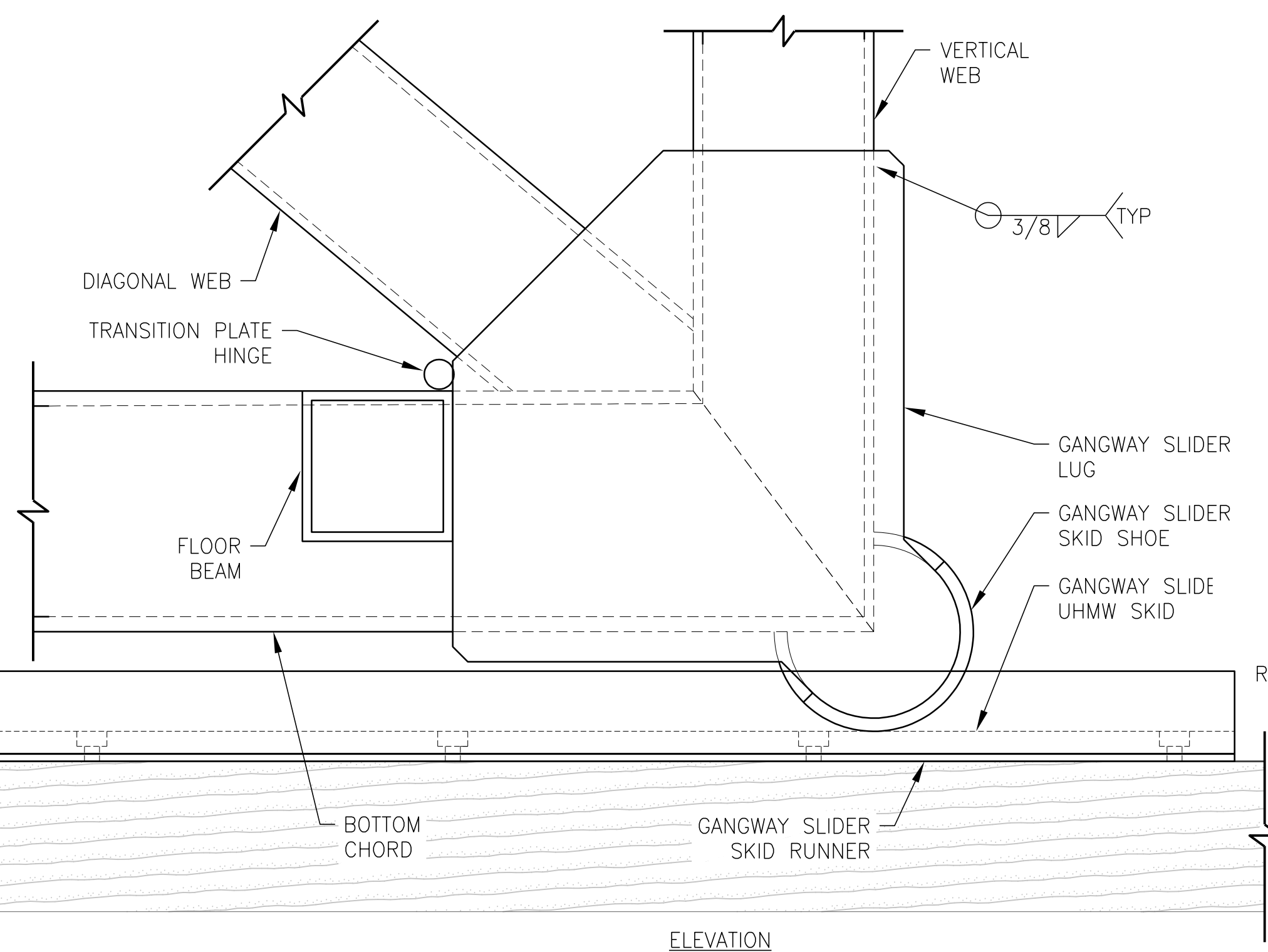
2 S504 GANGWAY END DETAIL
SCALE: 1"=1'-0"



3 S504 GANGWAY TRANSITION PLATE DETAIL
SCALE: 1/4"=1'-0"

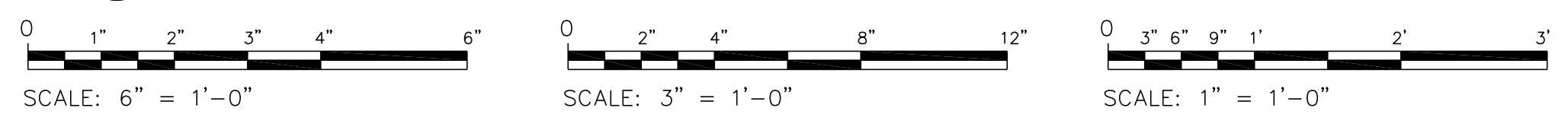


4 S504 GANGWAY UHMW NOSING DETAIL
SCALE: 6"=1'-0"



5 S504 GANGWAY SLIDER ASSEMBLY DETAIL
SCALE: 3"=1'-0"

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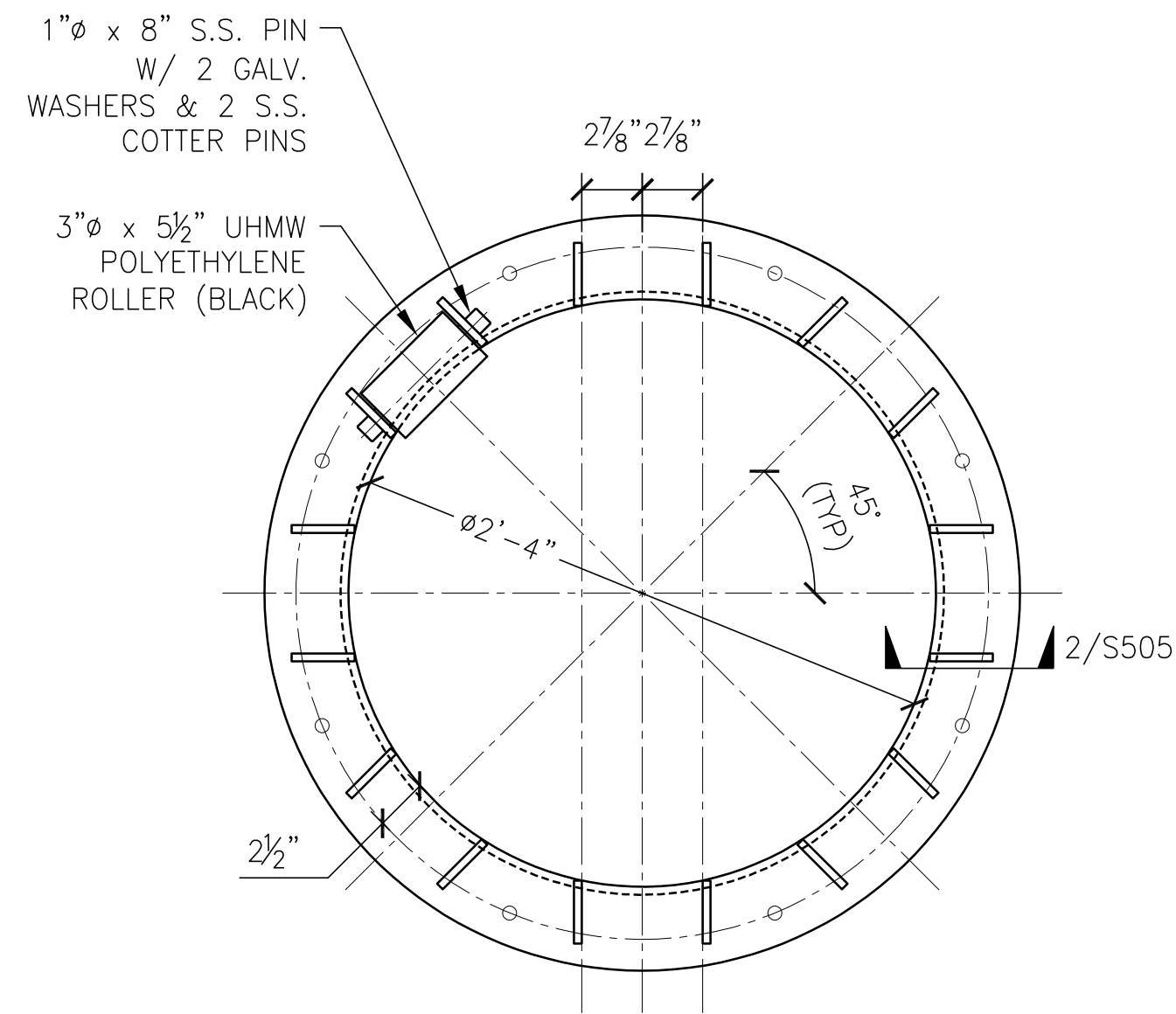
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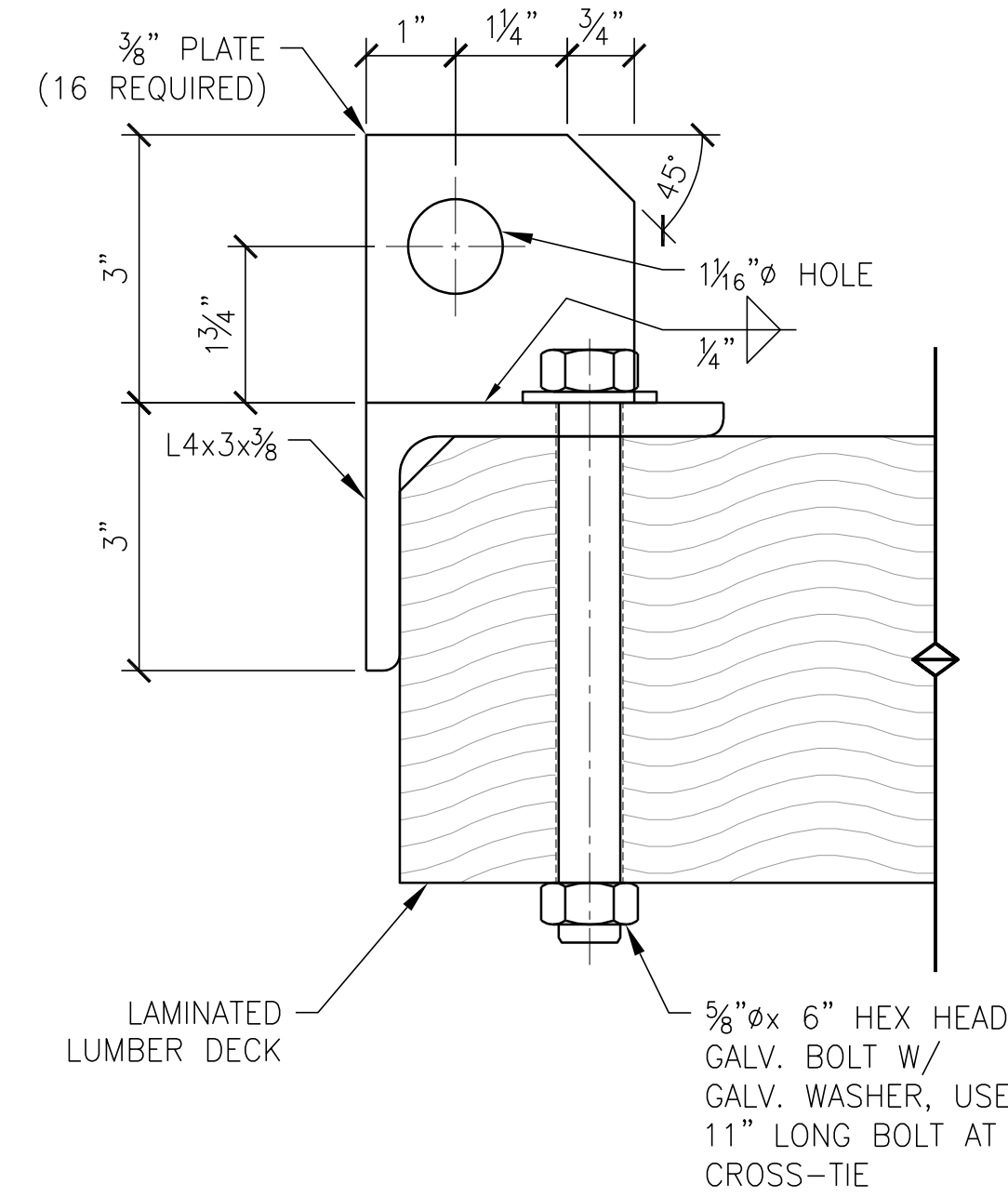
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SHT NO:	10 OF 11

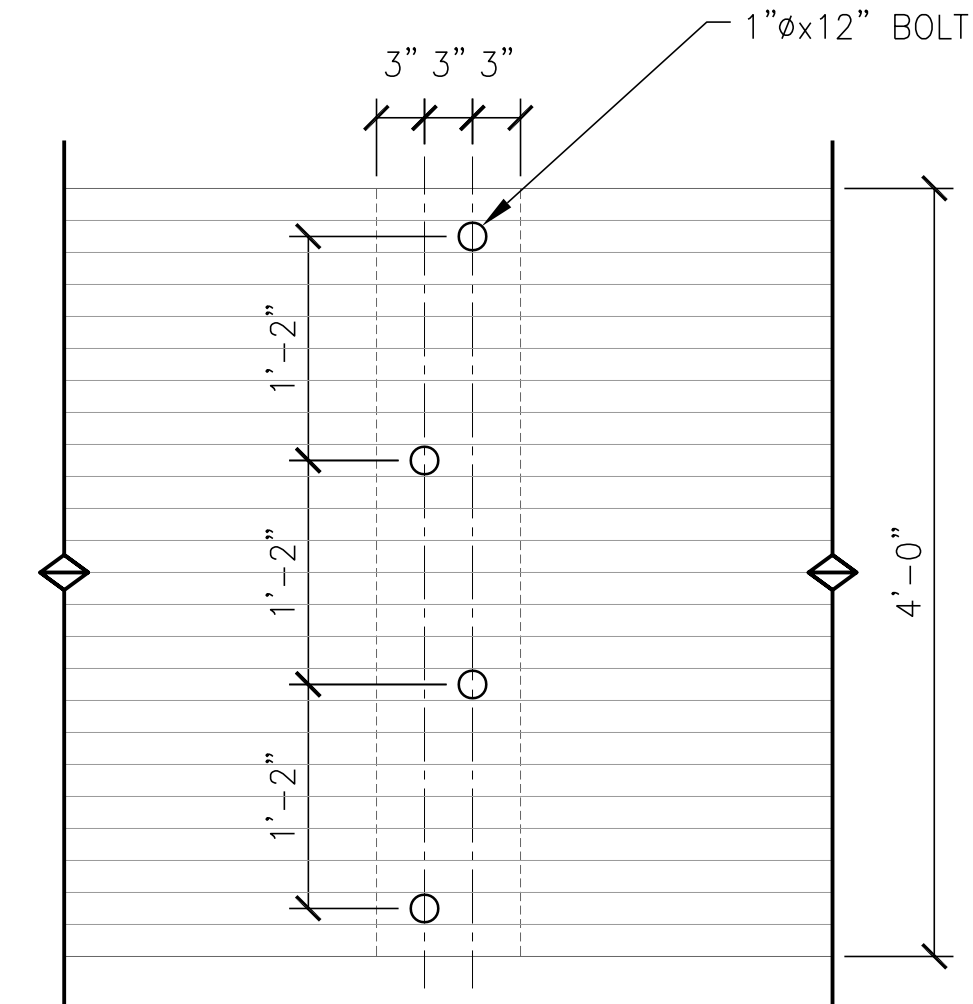
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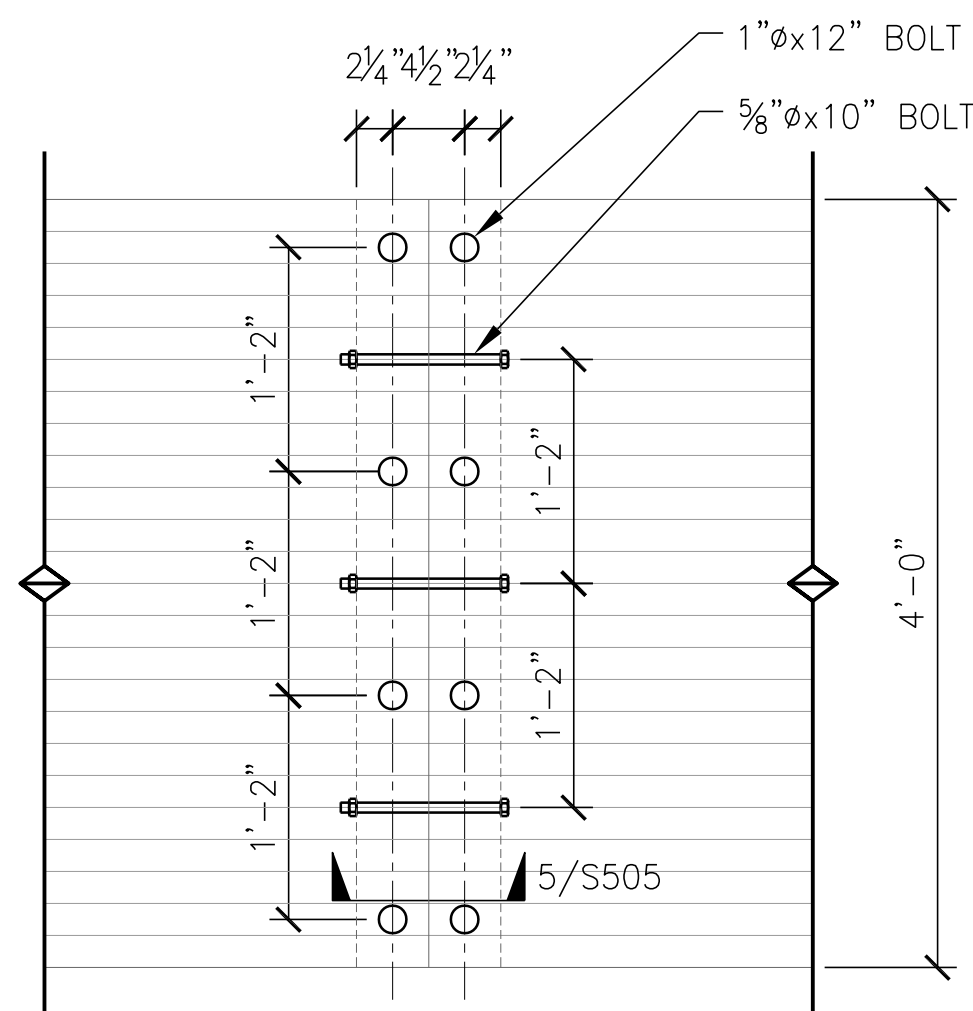
1
S505 **PILE GUIDE DETAIL**
SCALE: 1-1/2" = 1'-0"



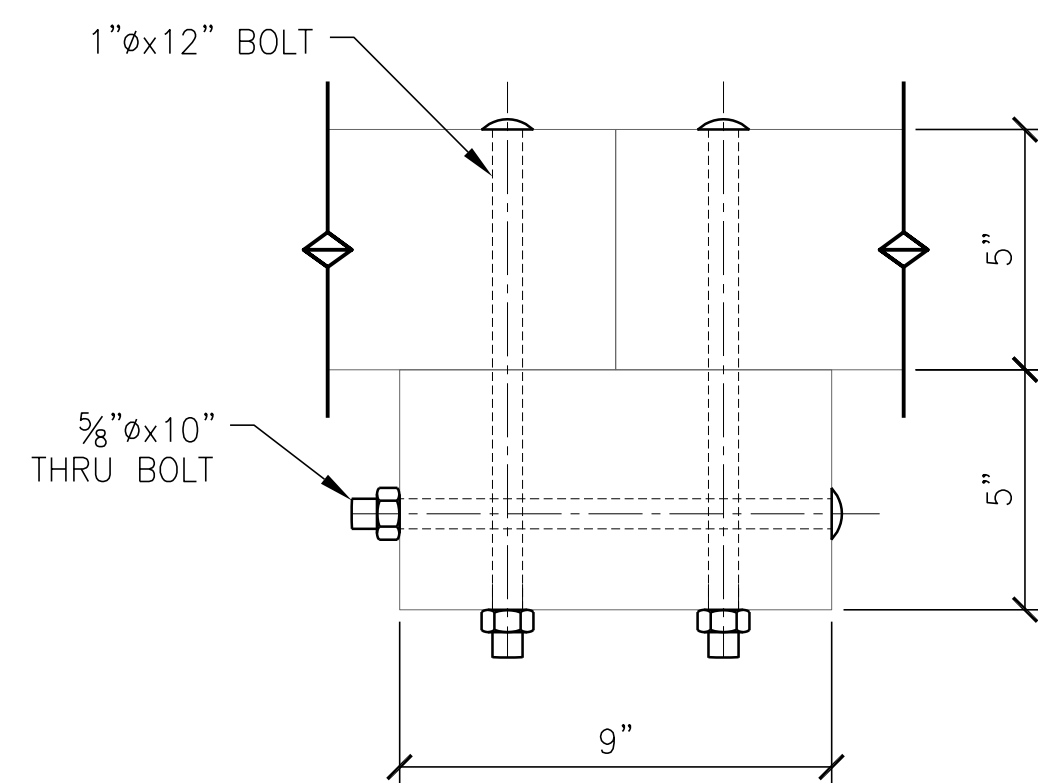
2
S505 **PILE GUIDE ROLLER BRACKET SECTION**
SCALE: 6" = 1'-0"



3
S505 **CONTINUOUS DECK BOLTING DETAIL**
SCALE: 1" = 1'-0"



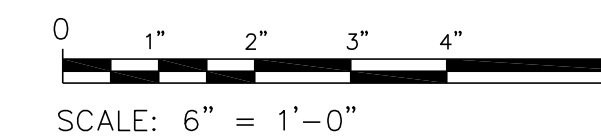
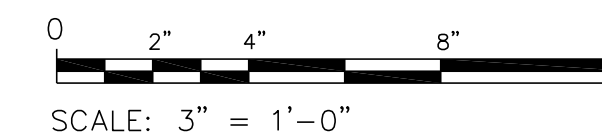
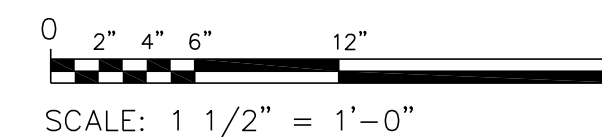
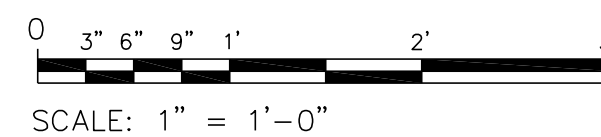
4
S505 **DECK JOINT BOLTING DETAIL**
SCALE: 1" = 1'-0"



5
S505 **DECK JOINT BOLTING SECTION**
SCALE: 3" = 1'-0"

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2023-JAN-31



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SHT TITLE
MISC. DETAILS

SHT NO 11 OF 11

S505