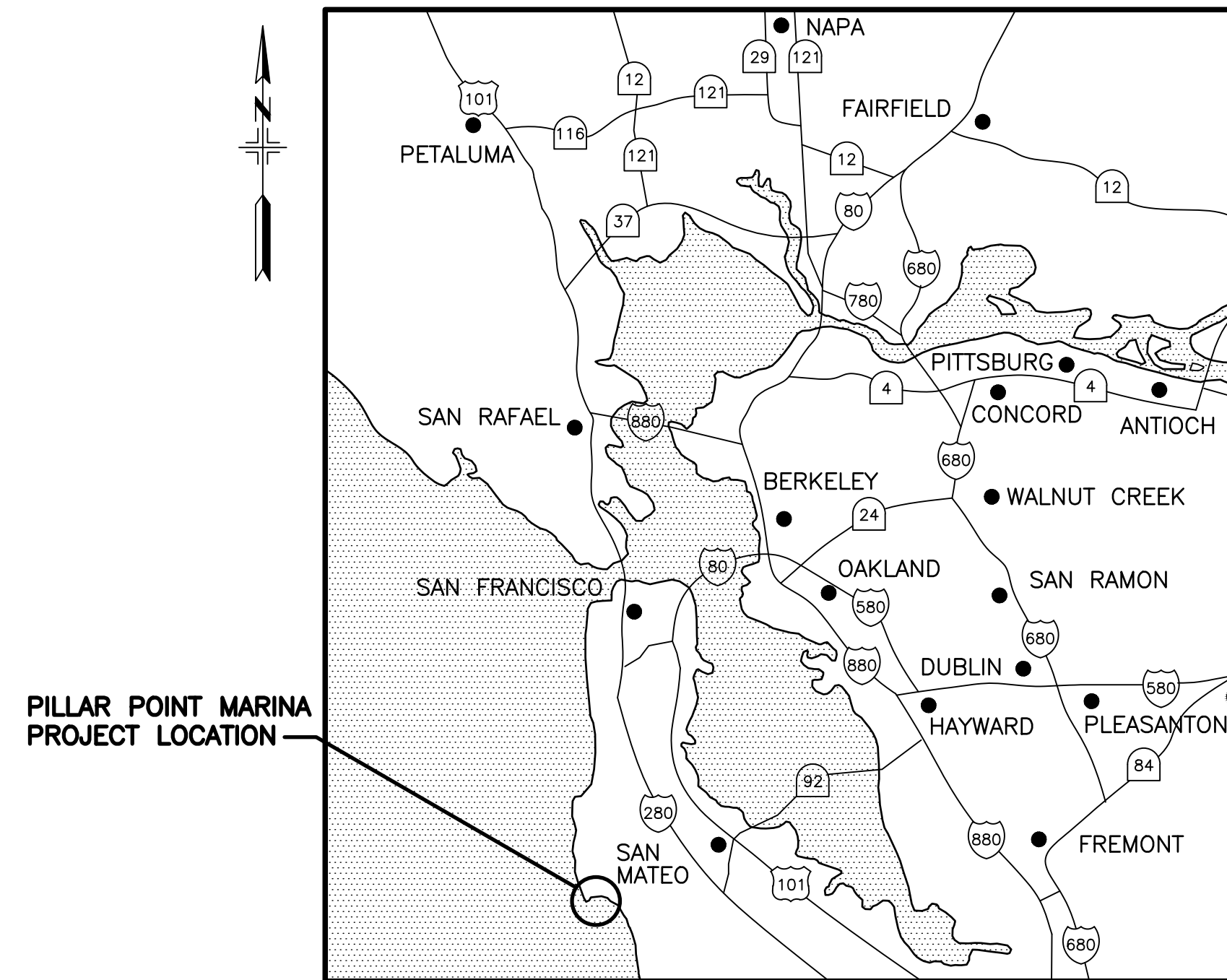


# FISHING PIER REHABILITATION PILLAR POINT MARINA SAN MATEO COUNTY HARBOR DISTRICT SAN MATEO COUNTY, CALIFORNIA



VICINITY MAP  
NTS



LOCATION MAP  
NTS

INDEX OF DRAWINGS		
SHEET NO.	DRAWING NO.	TITLE
1	G1	TITLE SHEET AND DRAWING INDEX
2	G2	SITE PLAN, GENERAL NOTES AND ABBREVIATIONS
3	C1	PIER REHABILITATION PLAN AND DETAILS
4	C2	ACCESS WALKWAY REHABILITATION PLAN AND SECTIONS
5	C3	DETAILS
6	E1	PIER LIGHTING PLAN AND DETAILS
7	E2	ACCESS WALKWAY LIGHTING PLAN AND DETAILS

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SAN MATEO COUNTY HARBOR DISTRICT  
504 Avenue Alhambra, 2nd Floor  
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REVISION	DESCRIPTION	BY	DATE



**moffatt & nichol**

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Walnut Creek, California 94596 925.944.5411

DSGN	AJ	DR	TE	CHK	JFJ/NN
JOB NO.	9673-05	SUBMITTED BY		TITLE	

SAN MATEO COUNTY HARBOR DISTRICT  
PILLAR PT MARINA FISHING PIER  
REHABILITATION

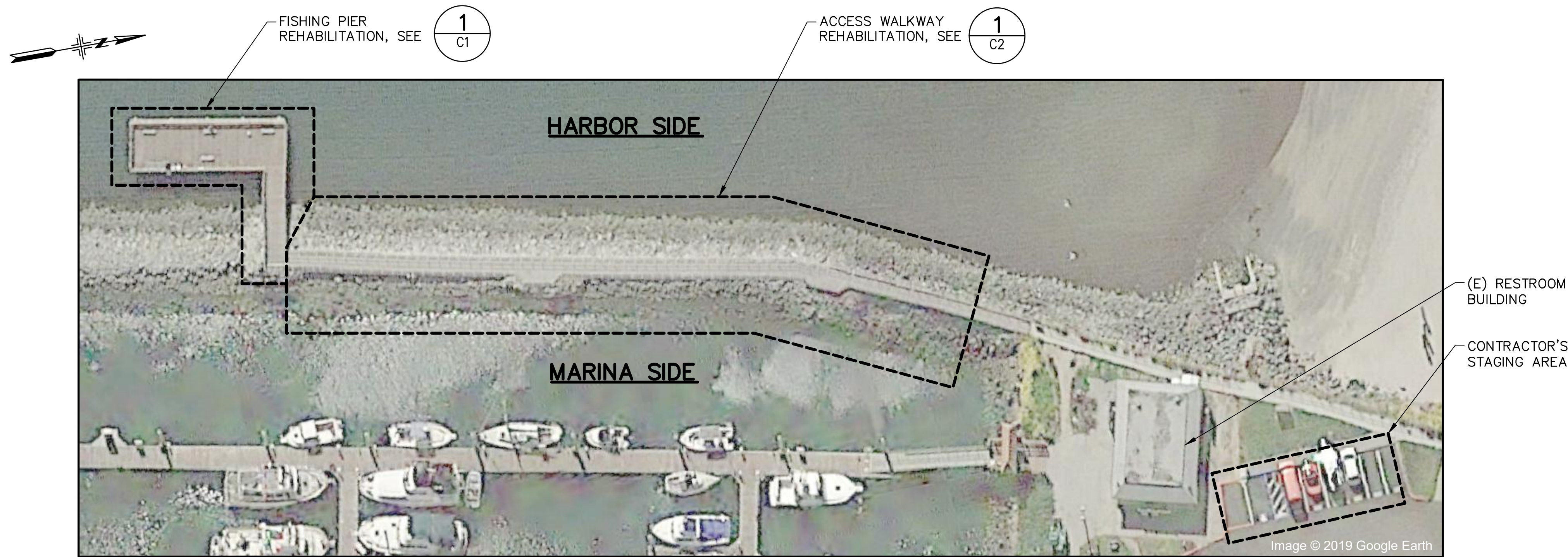
DATE: 05/20/2019

1 OF 7

TITLE SHEET AND DRAWING INDEX

G1





**LEGEND**

	EXISTING FEATURE
	PROPOSED FEATURE
	EXISTING PILE
	EXISTING LANDSIDE ELECTRICAL CONNECTION
	POINT OF CONNECTION
	DEMOLISH AND REMOVE
	ELECTRICAL LINE
	WATER LINE

**SITE PLAN**  
SCALE: 1" = 30'

**GENERAL NOTES**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND COORDINATING THE SCHEDULE OF CONSTRUCTION OPERATIONS WITH SMCHD OPERATIONS OF PILLAR POINT MARINA.
2. DEMOLITION OF EXISTING FEATURES SHALL BE LIMITED TO THE ITEMS SHOWN ON THE PLANS AND DESCRIBED IN THE SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE EXISTING FEATURES TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS, TO THE SATISFACTION OF THE SMCHD.
3. THE CONTRACTOR SHALL CONTACT SMCHD IMMEDIATELY UPON FINDING ANY FIELD CONDITIONS THAT CONFLICT WITH THE INFORMATION ON THESE DRAWINGS. ALL FIELD ADJUSTMENTS MUST BE APPROVED BY SMCHD BEFORE CONSTRUCTION OF SAID ADJUSTMENTS. FAILURE TO DO SO WILL RESULT IN THE CONTRACTOR ASSUMING FULL RESPONSIBILITY FOR ANY REQUIRED REVISIONS OR FIELD MODIFICATIONS, AS DIRECTED BY SMCHD, AT NO ADDITIONAL COST.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SITE SECURITY FOR THE DURATION OF THE CONTRACT PERIOD AND SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FURNISHING, INSTALLING AND MAINTAINING ALL WARNING SIGNS AND DEVICES NECESSARY TO SAFEGUARD THE GENERAL PUBLIC AND THE WORK, AND FOR PROVIDING PROPER AND SAFE ROUTING OF VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO WORKING HOURS. THE USE OF FLAGGERS, BARRICADES AND CONSTRUCTION SIGNING SHALL COMPLY WITH THE SAN MATEO COUNTY HARBOR DISTRICT'S STANDARD SPECIFICATION; BUOYS, LIGHTS OR OTHER NAVIGATION AIDS SHALL COMPLY WITH THE U.S. COAST GUARD REQUIREMENTS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PROJECT SITE IN A NEAT AND ORDERLY CONDITION, FREE OF RUBBISH AND DEBRIS, AT ALL TIMES.
7. ALL WORK SHOWN SHALL BE NEW UNLESS OTHERWISE NOTED.

**VERTICAL DATUM**

1. PROJECT ELEVATION BASED ON MLLW.
2. ESTIMATED TIDAL PLANES AT PILLAR POINT HARBOR:

TIDAL DATUM	WATER ELEVATION (FT, MLLW)
HIGHEST OBSERVED WATER LEVEL	6.63
MEAN HIGHER HIGH WATER (MHHW)	5.60
MEAN HIGH WATER (MHW)	4.95
MEAN LOW WATER (MLW)	1.14
MEAN LOWER LOW WATER (MLLW)	0.00

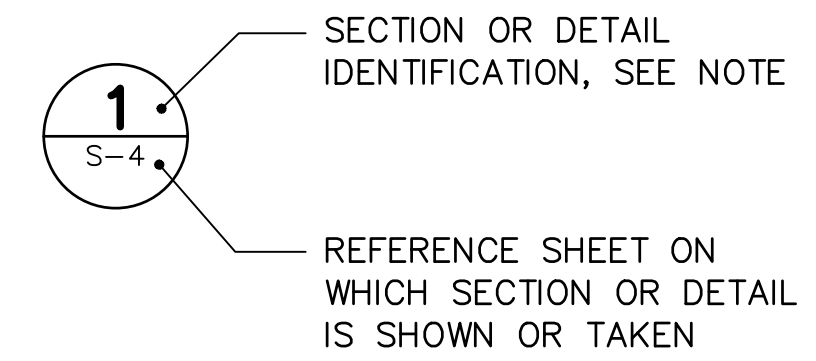
**HORIZONTAL DATUM**

PROJECT COORDINATES ARE BASED ON THE CALIFORNIA STATE PLANE COORDINATE SYSTEM NAD 1983, ZONE 3.

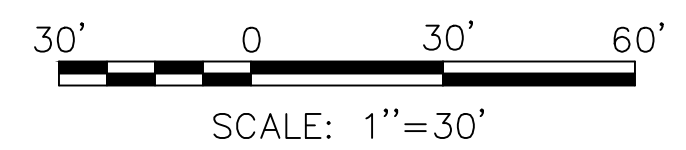
**ABBREVIATIONS**

&	AND
AFS	ACCESSIBLE FISHING SLOT
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWPA	AMERICAN WOOD PROTECTION ASSOCIATION
CKT	CIRCUIT
CL	CENTER LINE
CONC	CONCRETE
E	EAST
(E)	EXISTING
EL	ELEVATION
ELEC	ELECTRICAL (POWER)
EP	ELECTRICAL PANEL
F'c	28-DAY CONCRETE COMPRESSIVE STRENGTH
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
OC	ON CENTER
POC	POINT OF CONNECTION
SMCHD	SAN MATEO COUNTY HARBOR DISTRICT
SS	STAINLESS STEEL
SYMM	SYMMETRICAL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
W/	WITH

**CROSS-REFERENCE LEGEND**



NOTE: LETTER INDICATES SECTION; NUMBER INDICATES DETAIL. WHERE THERE IS NO REFERENCE SHEET INDICATED, IT MEANS THE DETAIL OR SECTION IS TAKEN AND SHOWN ON THE SAME SHEET.



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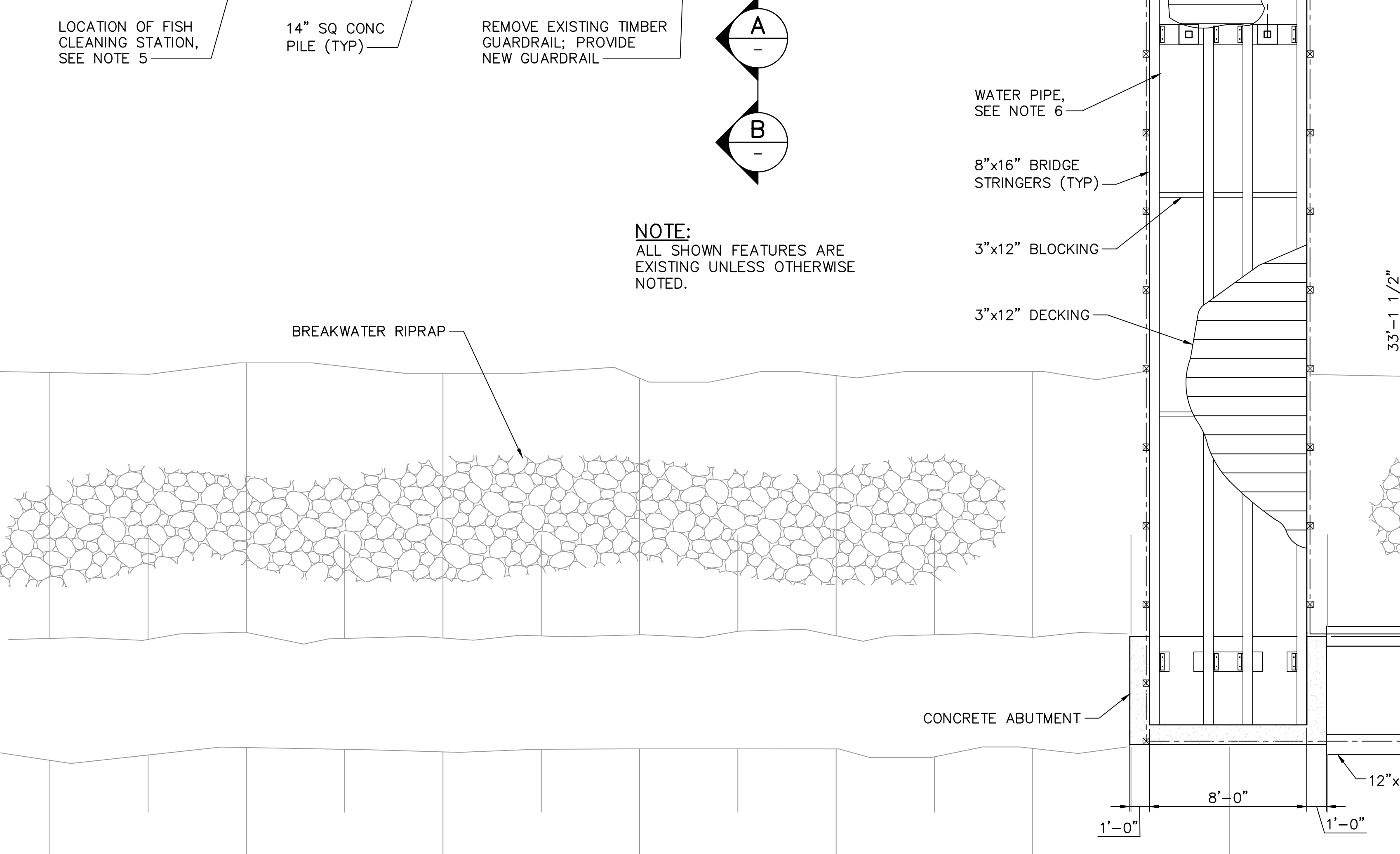
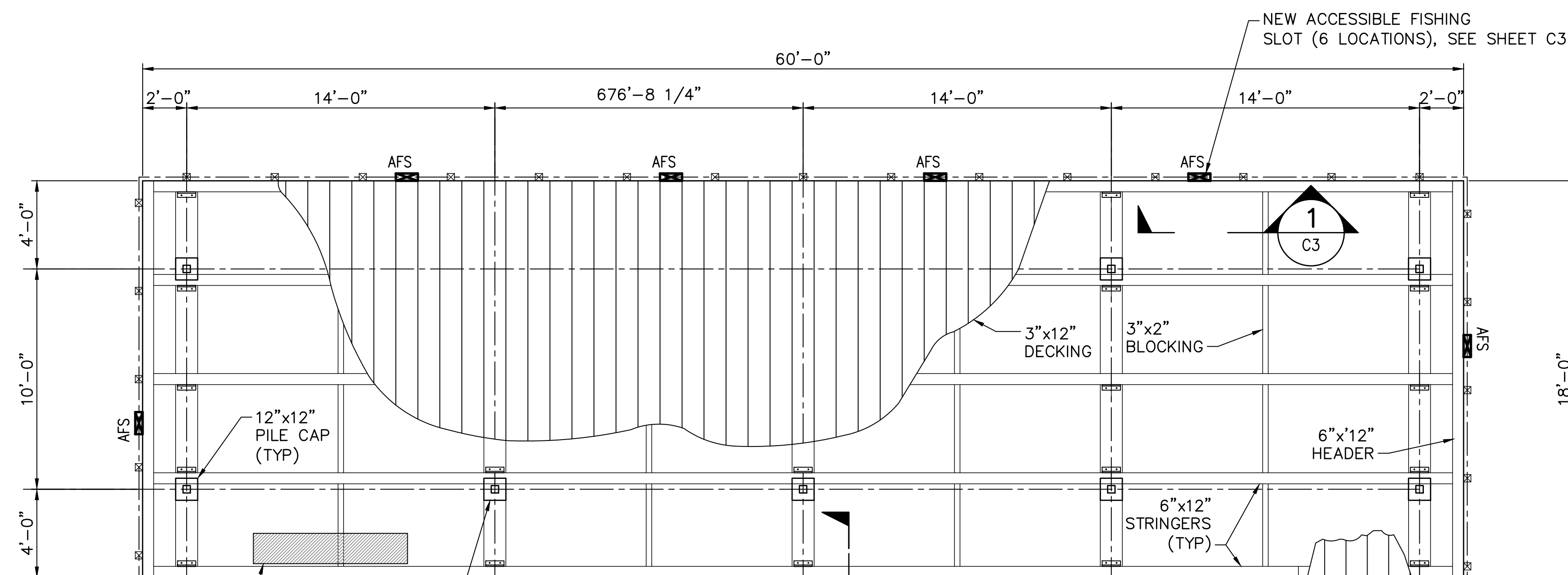
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JOB NO. 9673-05	SUBMITTED BY	TITLE

**SAN MATEO COUNTY HARBOR DISTRICT**  
PILLAR PT MARINA FISHING PIER  
REHABILITATION

**SITE PLAN, GENERAL NOTES  
AND ABBREVIATIONS**

DATE: 05/20/2019
2 OF 7
<b>G2</b>

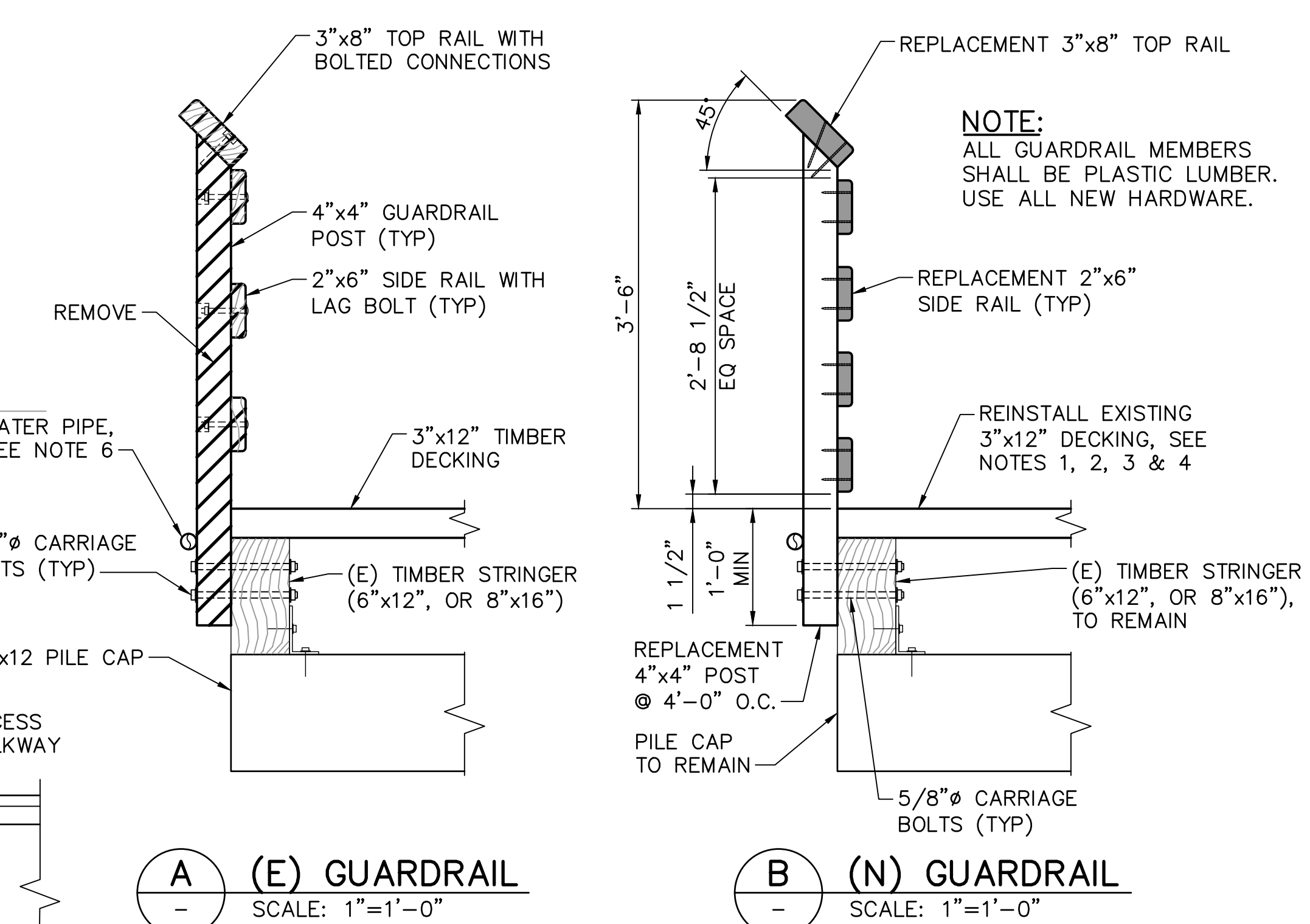




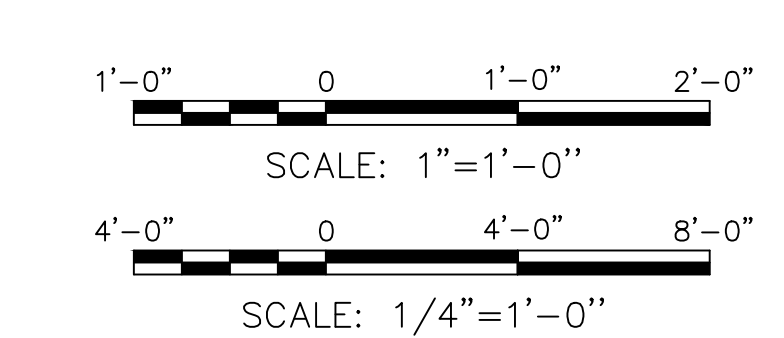
**1 PIER PLAN**  
SCALE: 1/4"=1'-0"

**NOTES FOR WORK:**

1. REMOVE ALL EXISTING 3"x12" TIMBER DECK BOARDS.
2. REINSTALL THE 3"x12" TIMBER DECK BOARDS WITH THE BOTTOM SIDE UP. THE MAXIMUM GAP BETWEEN DECK BOARDS SHALL BE 1/4", WHEN RE-INSTALLED. NEW DECK BOARD THICKNESS WILL VARY FROM EXISTING DECK BOARD THICKNESS, AND EXISTING DECK BOARD THICKNESS MAY VARY. THE FINISHED LEVEL BETWEEN ADJACENT BOARDS SHALL NOT VARY BY MORE THEN 1/4 INCH.
3. PROVIDE ADDITIONAL NEW 3"x12" TIMBER DECK BOARDS AS NECESSARY TO COVER THE ENTIRE DECK AREA OF THE PIER. (NOTE: THE EXISTING GAP BETWEEN DECK BOARDS VARIES AND MEASURED TO BE AS MUCH AS 3/4" TO 1" AT SOME LOCATIONS. THE REINSTALLATION OF THE DECK BOARDS REQUIRE THE GAP TO BE 1/4" MAXIMUM, WHICH WILL RESULT IN HAVING NOT ENOUGH AVAILABLE EXISTING BOARDS TO COVER THE ENTIRE PIER DECK AREA. THEREFORE, NEW 3"x12" DECK BOARDS WILL BE NECESSARY).
4. NEW 3"x12" DECK BOARDS SHALL NOT BE INSTALLED NEXT TO EACH OTHER, THERE SHALL BE ONLY ONE NEW DECK BOARD INSTALLED BETWEEN EXISTING.
5. REMOVE THE EXISTING FISH CLEANING STATION AND RE-INSTALL COMPLETELY AFTER TIMBER DECK BOARDS ARE INSTALLED.
6. REMOVE EXISTING 1-1/2"Ø WATER LINE. PROVIDE NEW 1-1/2"Ø GALVANIZED STEEL PIPE, U-STRAPS AND FASTENERS.
7. FASTEN RAILS TO POST USING TWO 1/4"Øx4" LONG WOOD SCREWS AT EACH POST.



**(E) GUARDRAIL** SCALE: 1"=1'-0"  
**(N) GUARDRAIL** SCALE: 1"=1'-0"



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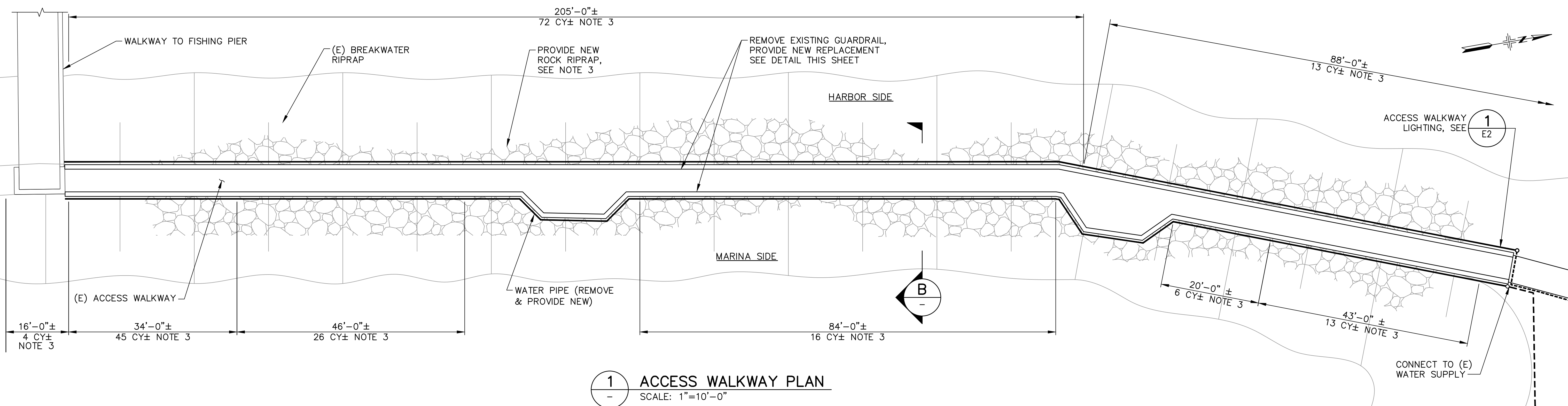
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JOB NO. 9673-05	SUBMITTED BY	TITLE

**SAN MATEO COUNTY HARBOR DISTRICT**  
PILLAR PT MARINA FISHING PIER  
REHABILITATION

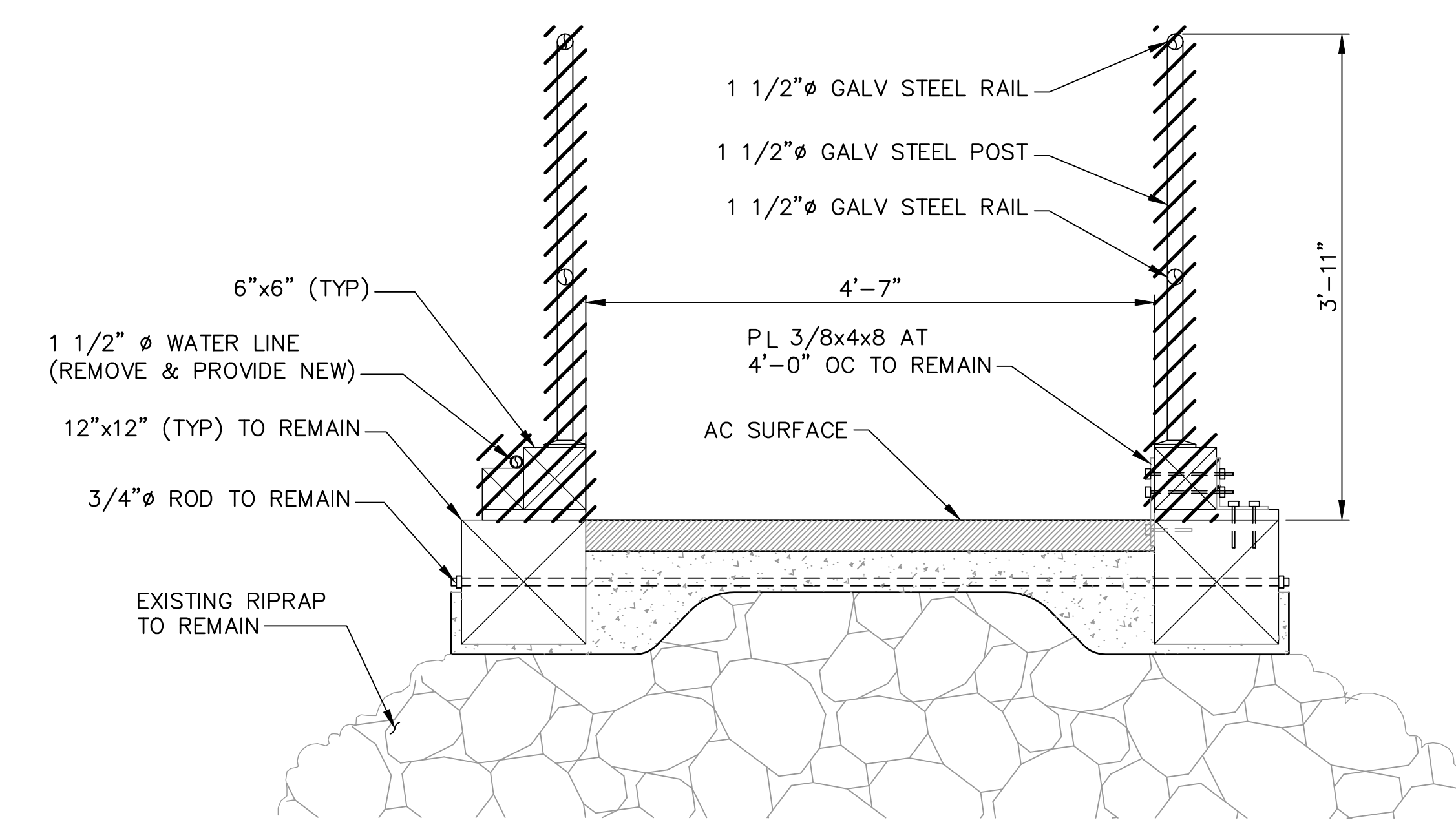
**PIER REHABILITATION**  
PLAN AND DETAILS

DATE: 05/20/2019  
3 OF 7  
C1

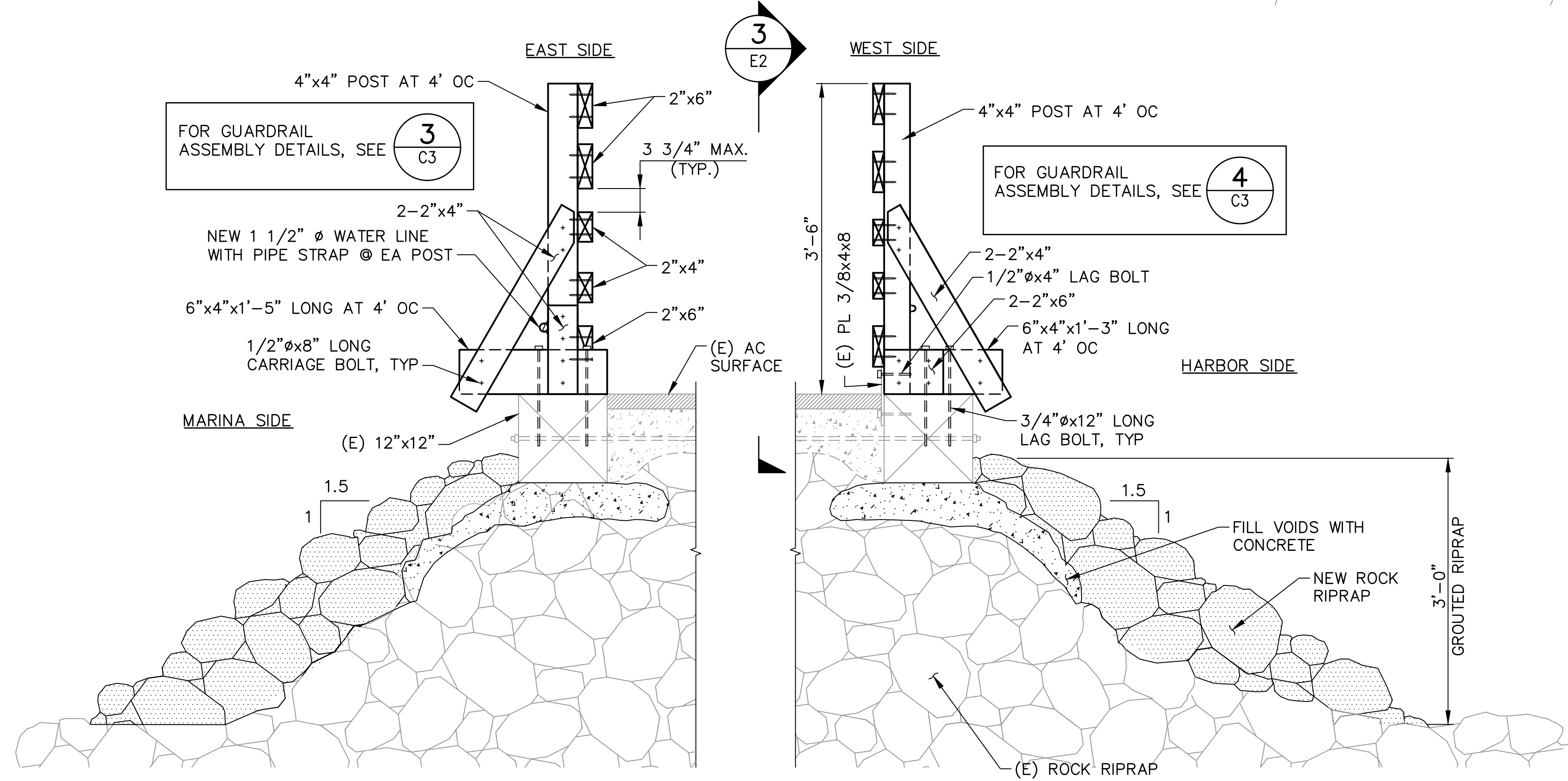




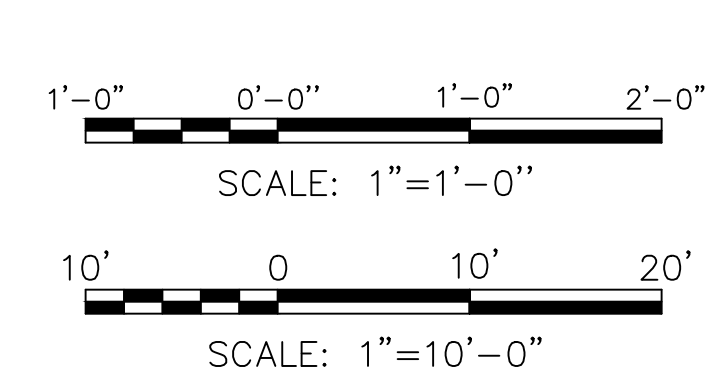
**1 ACCESS WALKWAY PLAN**  
SCALE: 1"=10'-0"



**A EXISTING GUARDRAIL TYPICAL SECTION**  
SCALE: 1"=1'-0"



**B TYPICAL SECTION - GUARDRAIL REPLACEMENT AND RIP RAP REPAIR**  
SCALE: 1"=1'-0"



- NOTES:**
- DEMOLISH AND REMOVE (E) GUARDRAIL AS SHOWN.
  - ALL NEW GUARDRAIL MEMBERS SHALL BE PLASTIC TIMBER. FASTEN RAILS TO POST USING TWO 1/4"Øx4" LONG WOOD SCREWS AT EACH POST.
  - PROVIDE GROUDED RIPRAP. THE ESTIMATED LENGTH AND VOLUME OF PLACEMENT AS NOTED IN PLAN.

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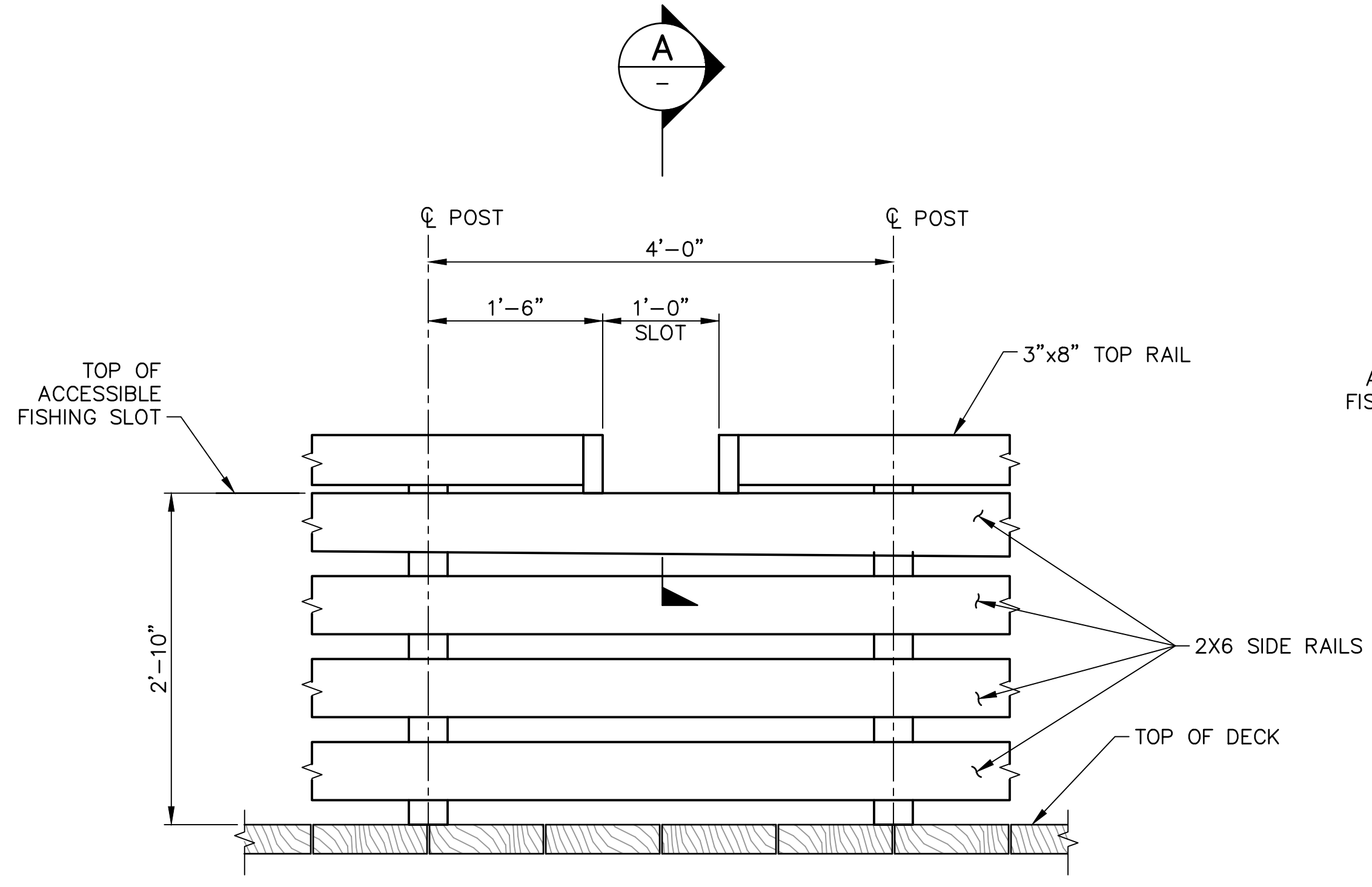
SAN MATEO COUNTY HARBOR DISTRICT  
PILLAR PT MARINA FISHING PIER  
REHABILITATION

ACCESS WALKWAY REHABILITATION  
PLAN AND SECTIONS

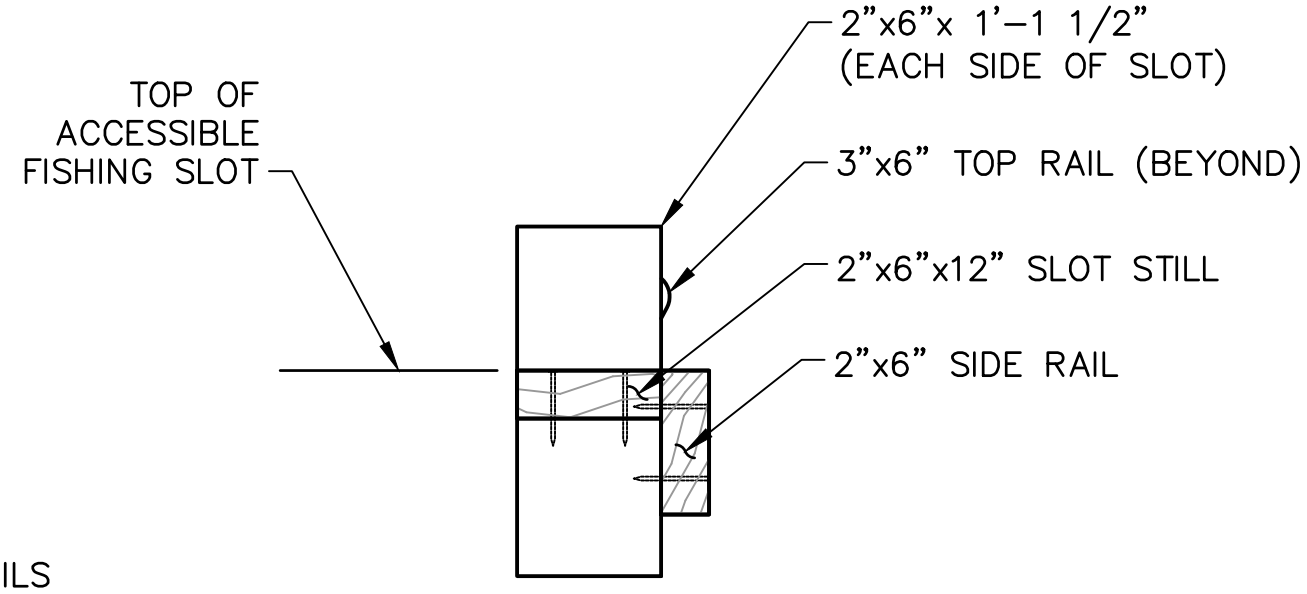
DATE: 05/20/2019  
4 OF 7  
C2

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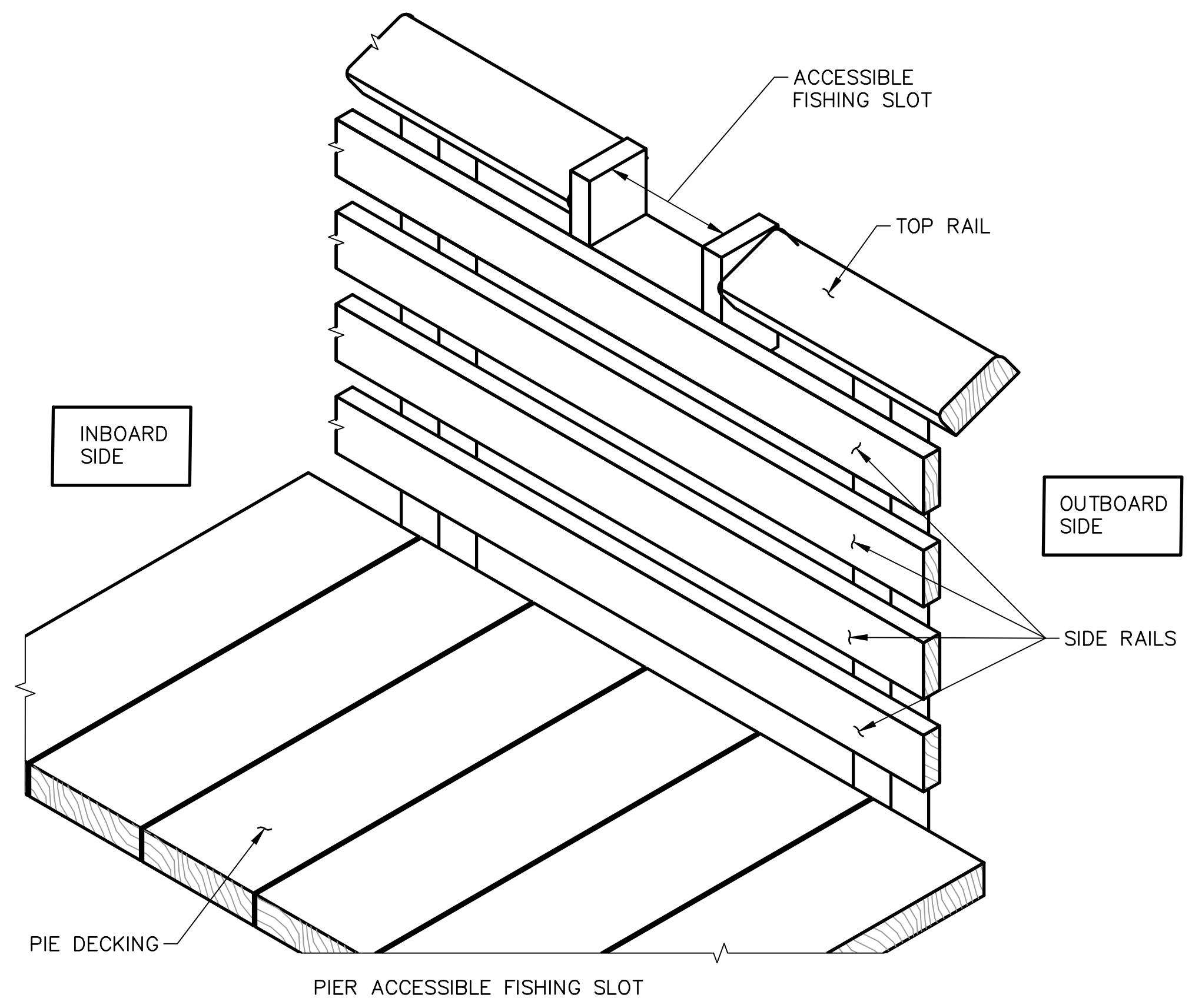




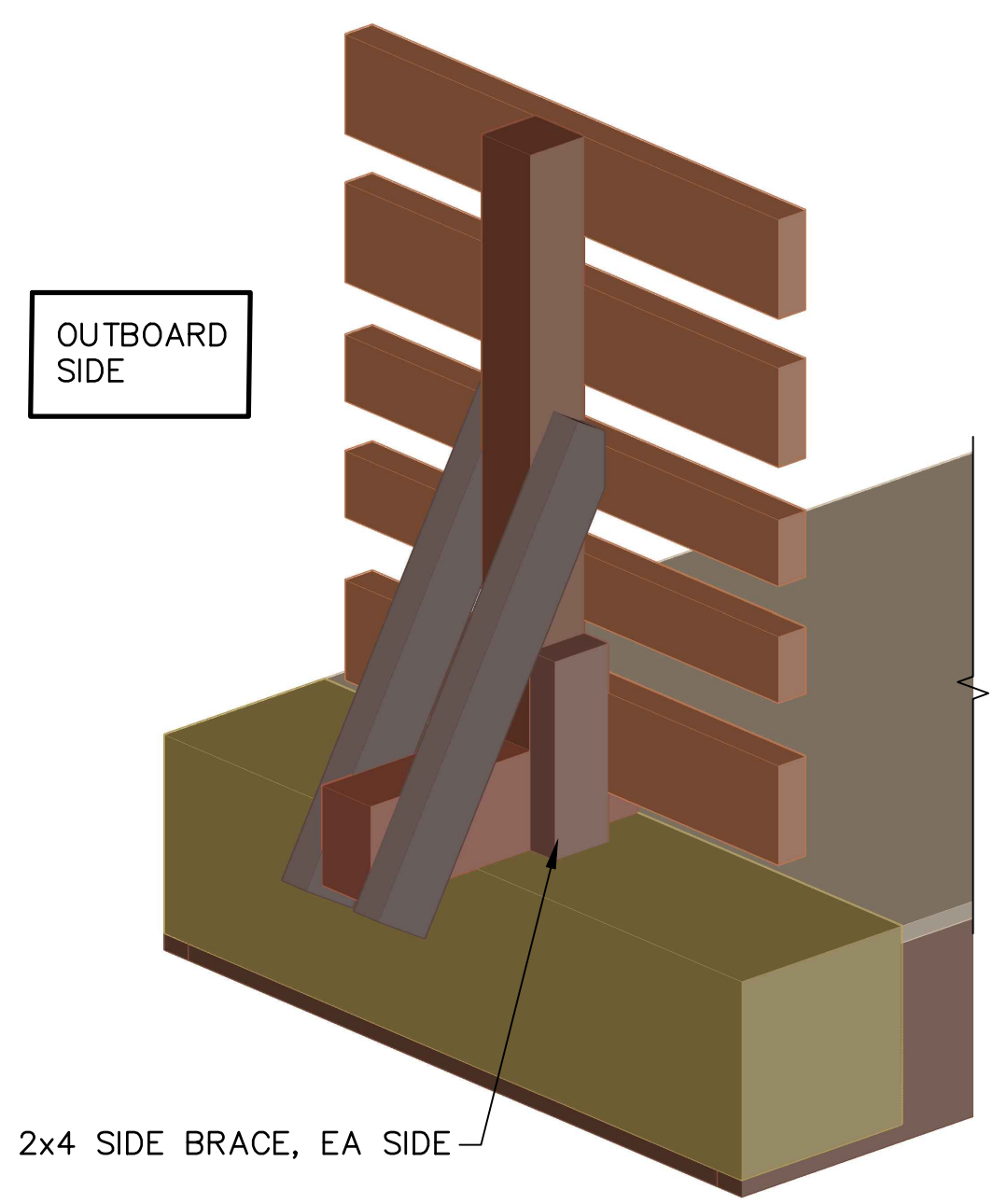
PIER ACCESSIBLE FISHING SLOT  
**1** ELEVATION  
 C1 SCALE: 1"=1'-0"



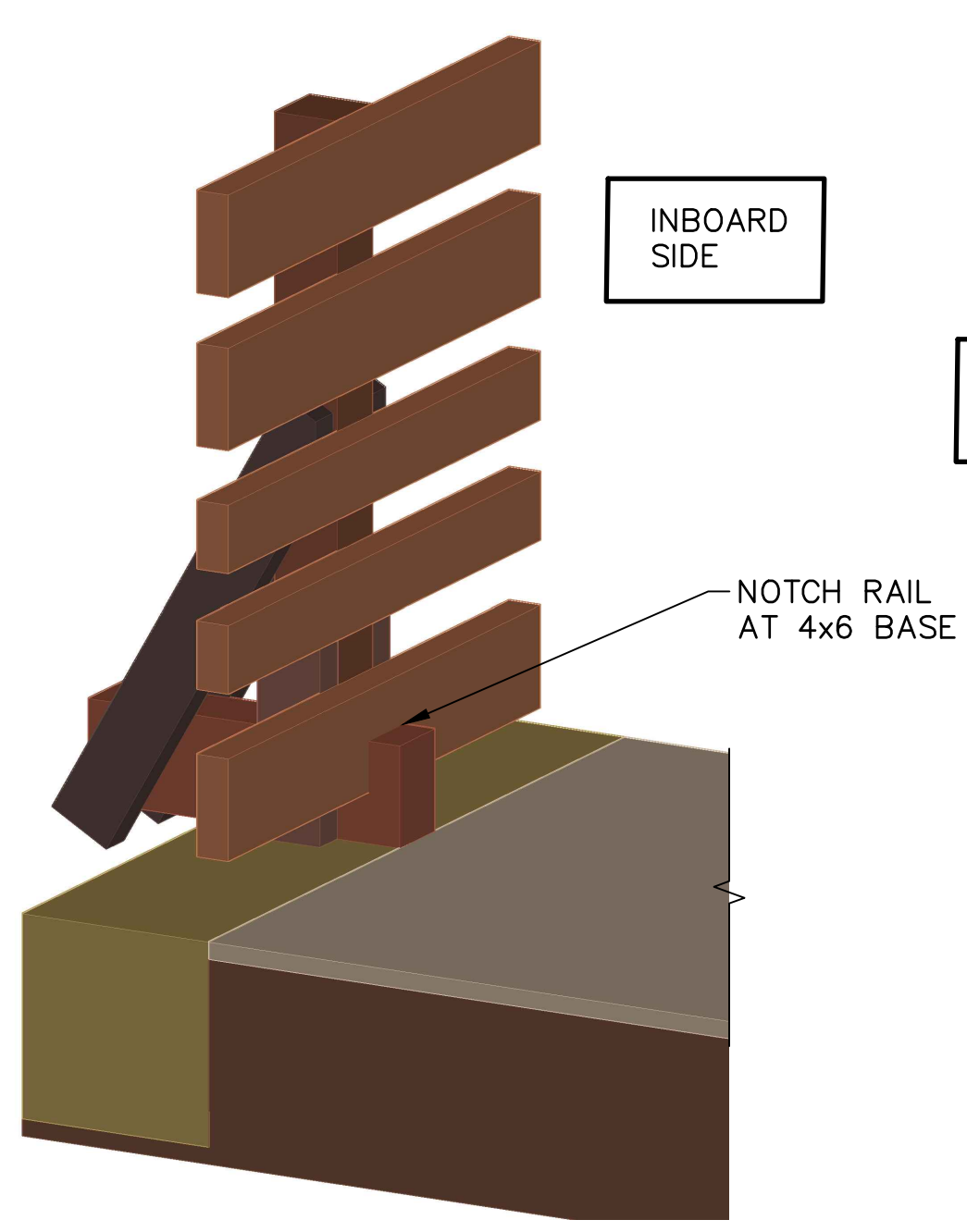
**A** SECTION  
 - SCALE: 1 1/2"=1'-0"



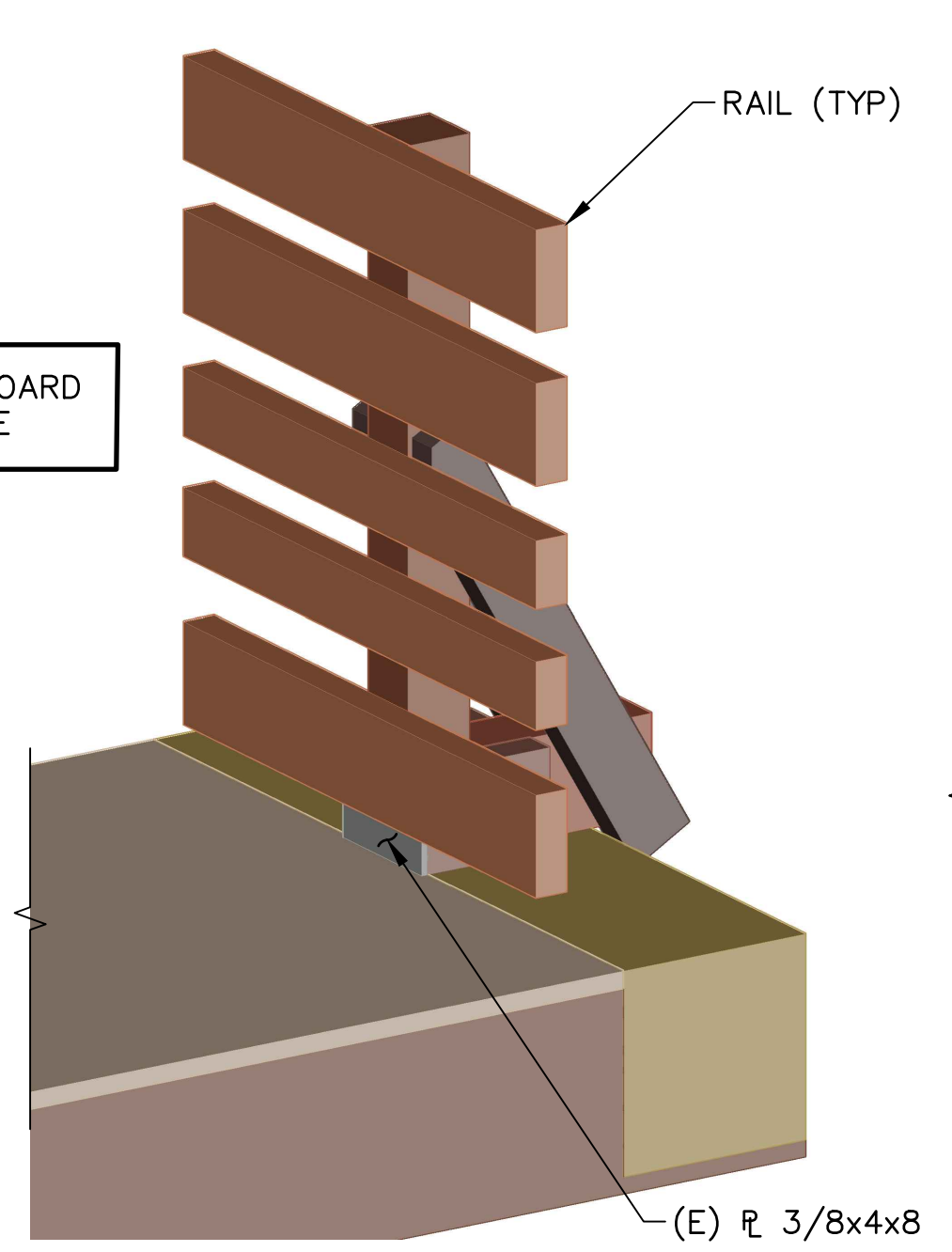
**2** ISOMETRIC VIEW  
 - SCALE: NTS



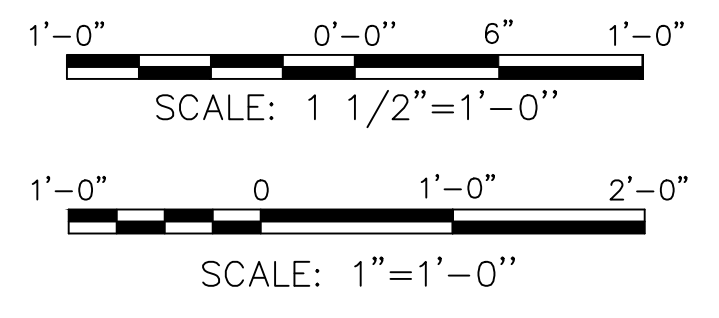
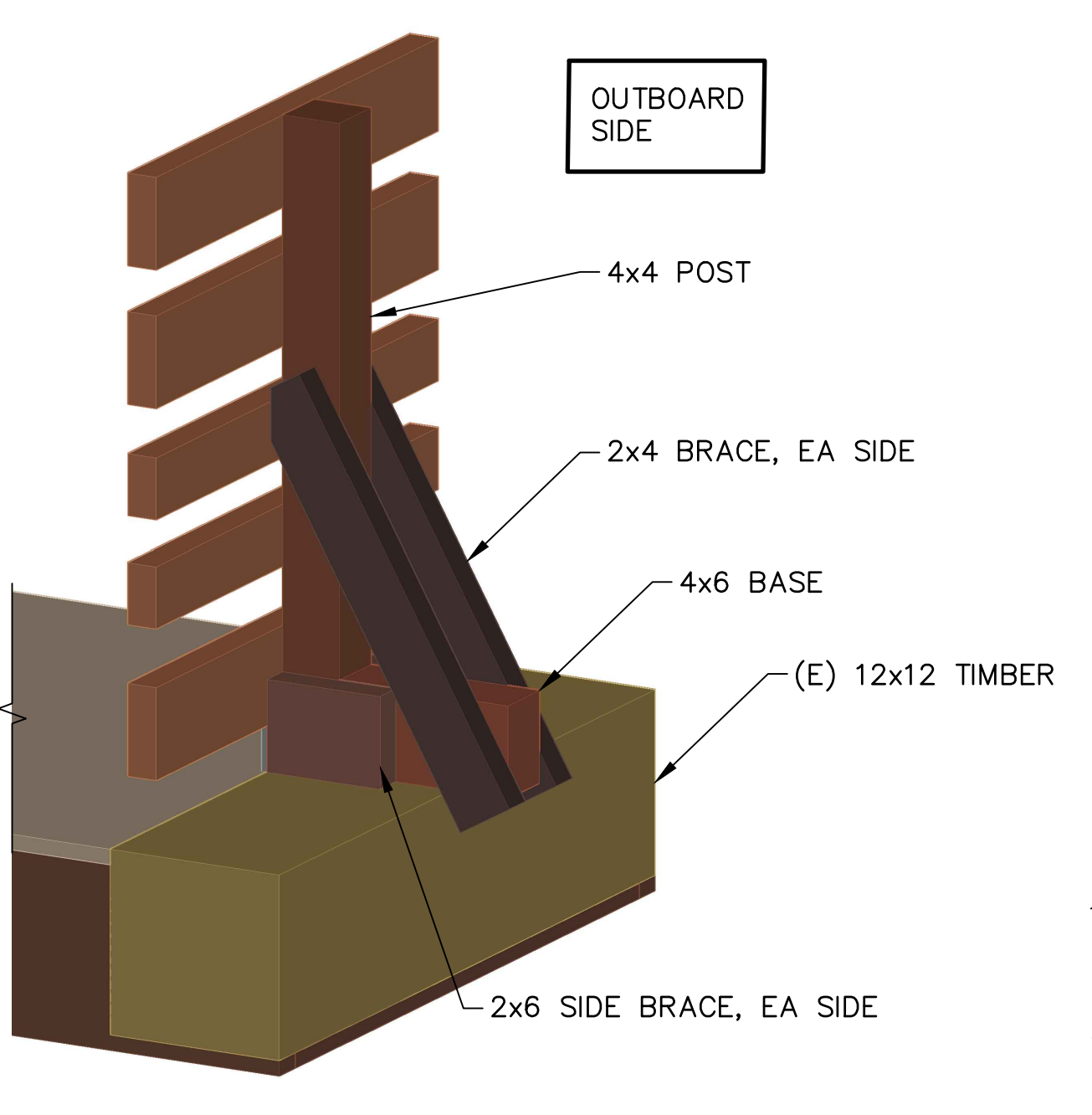
MARINA SIDE OF ACCESS WALKWAY  
**3** GUARDRAIL POST ASSEMBLY  
 C2 SCALE: NTS



HARBOR SIDE OF ACCESS WALKWAY  
**4** GUARDRAIL POST ASSEMBLY  
 C2 SCALE: NTS



HARBOR SIDE OF ACCESS WALKWAY  
**4** GUARDRAIL POST ASSEMBLY  
 C2 SCALE: NTS



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SAN MATEO COUNTY HARBOR DISTRICT  
 PILLAR PT MARINA FISHING PIER  
 REHABILITATION

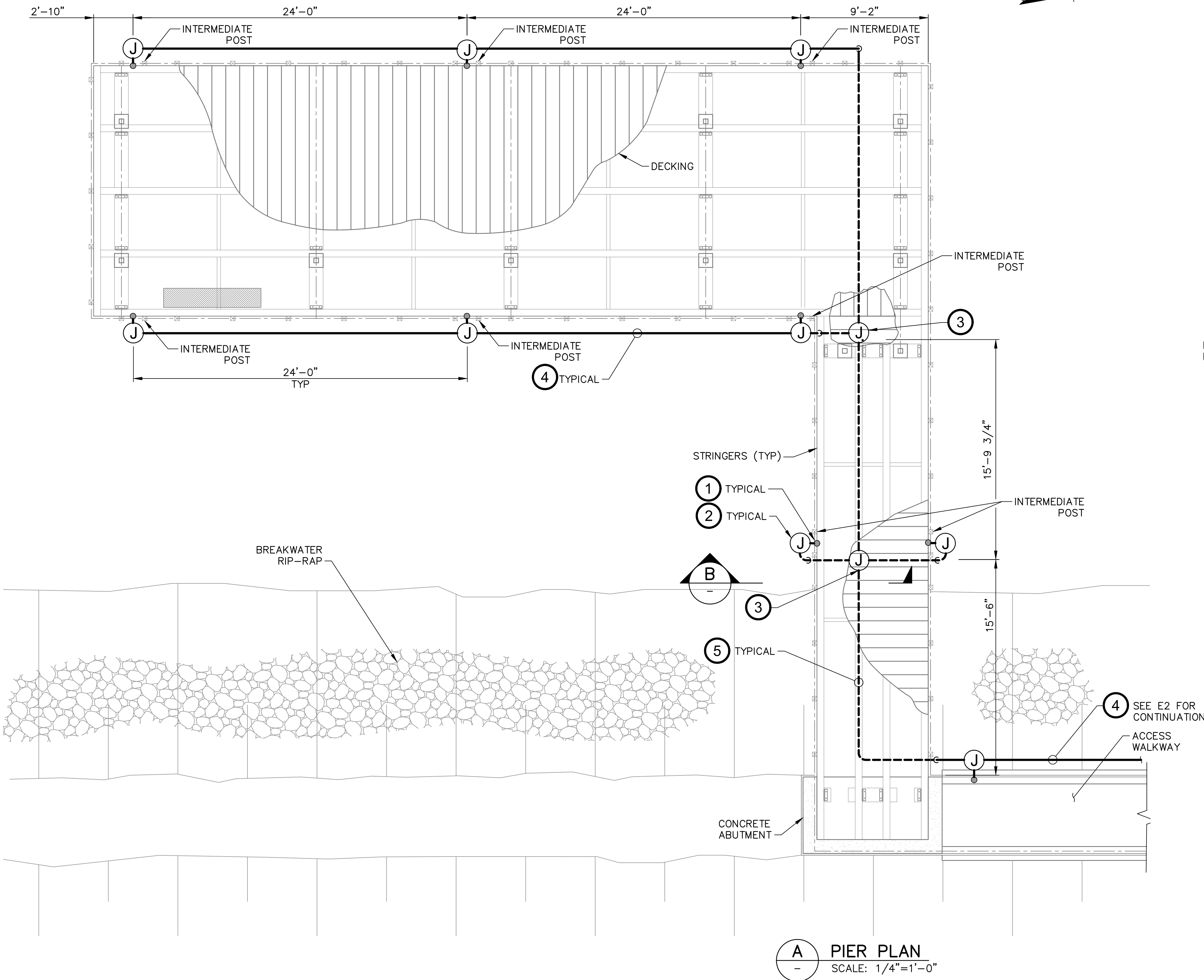
DATE: 05/20/2019

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DETAILS

C3

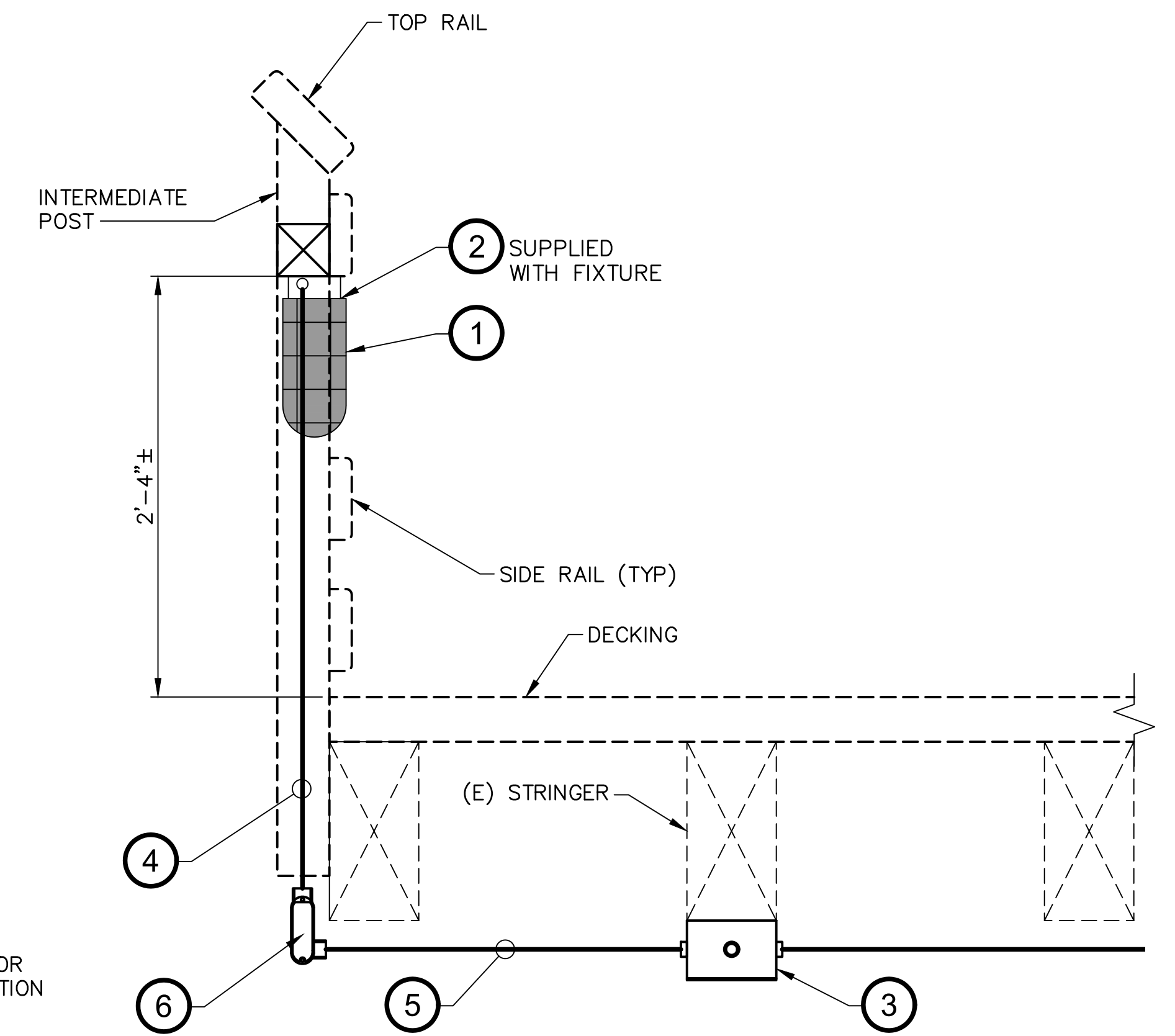




**A PIER PLAN**  
SCALE: 1/4"=1'-0"

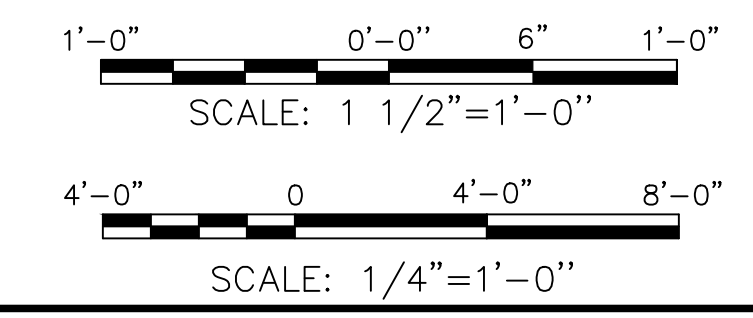
**LIGHTING NOTES**

- ① 10 WATT LED CAST ALUMINUM SURFACE CEILING MOUNTED LIGHT FIXTURE, A19 3000K BULB, UL-LISTED WET LOCATION. MAXLITE MODEL 12001 OR APPROVED EQUAL.
- ② MAXLITE ROUND WEATHERPROOF J-BOX SUPPLIED WITH FIXTURE WITH 1/2" HUBS.
- ③ 6"x6"x4" NON-METALLIC P6 RATED JUNCTION BOX WITH COVER. CARLON OR EQUAL.
- ④ 1/2" RIGID GALVANIZED STEEL CONDUIT WITH 2-#10 AND 1-#10 GROUND MOUNTED EXPOSED ON GUARDRAIL.
- ⑤ 3/4" SCHEDULE 80 PVC CONDUIT WITH 2-#10 AND 1-#10 GROUND MOUNTED BELOW PIER DECK.
- ⑥ RGS LR CONDUIT FITTING.



NOTE: GUARDRAIL ON PIER SHALL BE MODIFIED AT LOCATIONS OF LIGHT FIXTURE SIMILAR TO MODIFICATION OF ACCESS WALKWAY GUARDRAIL. SEE DETAILS ON SHEET E2.

**B TYPICAL SECTION - PIER LIGHTING**  
SCALE: 1 1/2"=1'-0"



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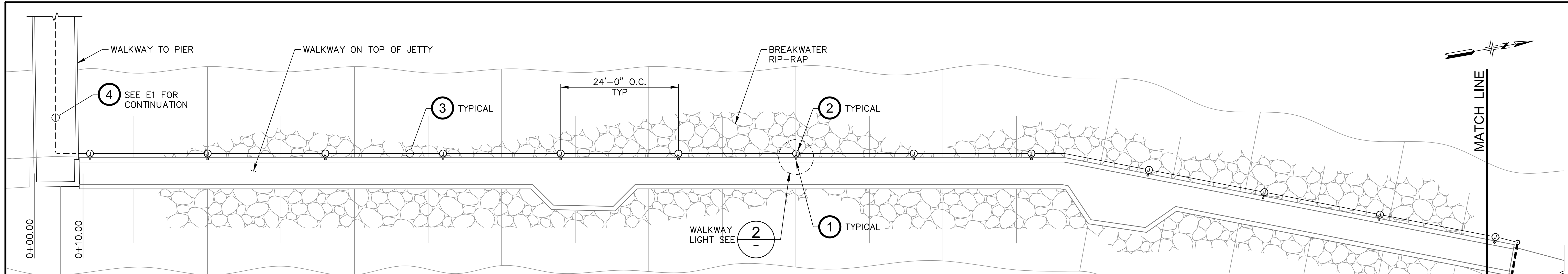
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**PIER LIGHTING PLAN AND DETAILS**

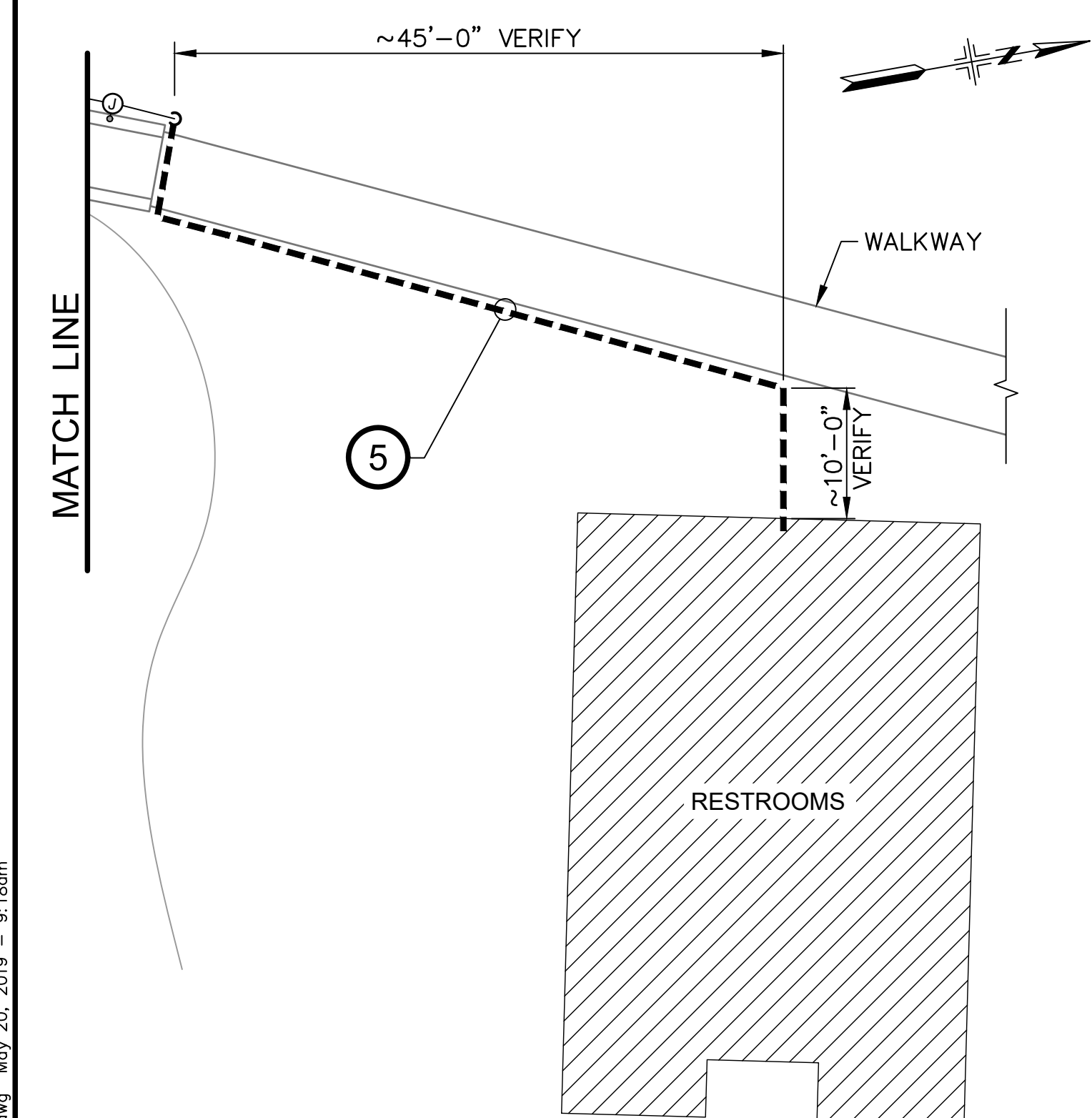
**E1**



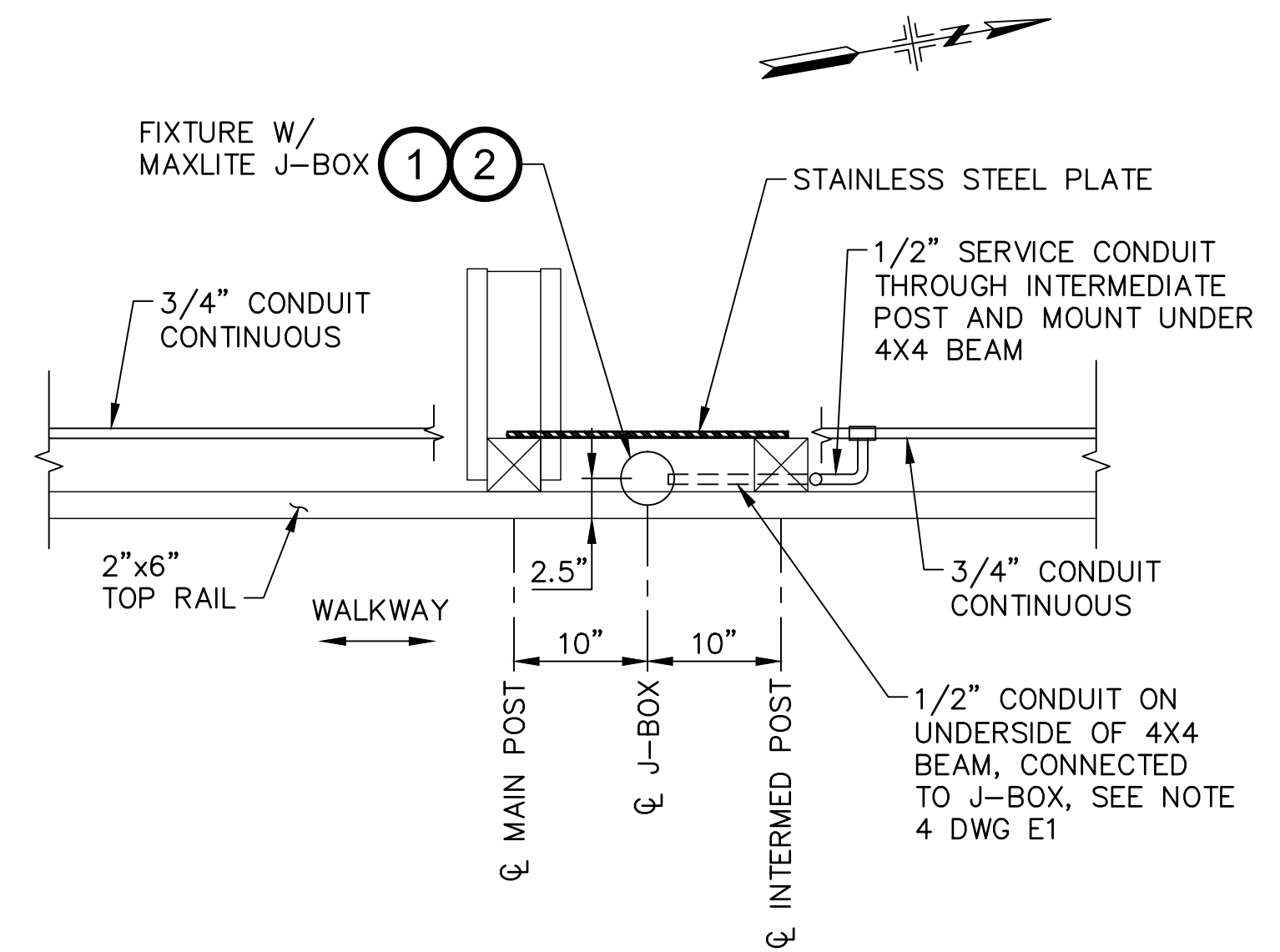


**1 ACCESS WALKWAY LIGHTING PLAN**  
SCALE: 1" = 10'

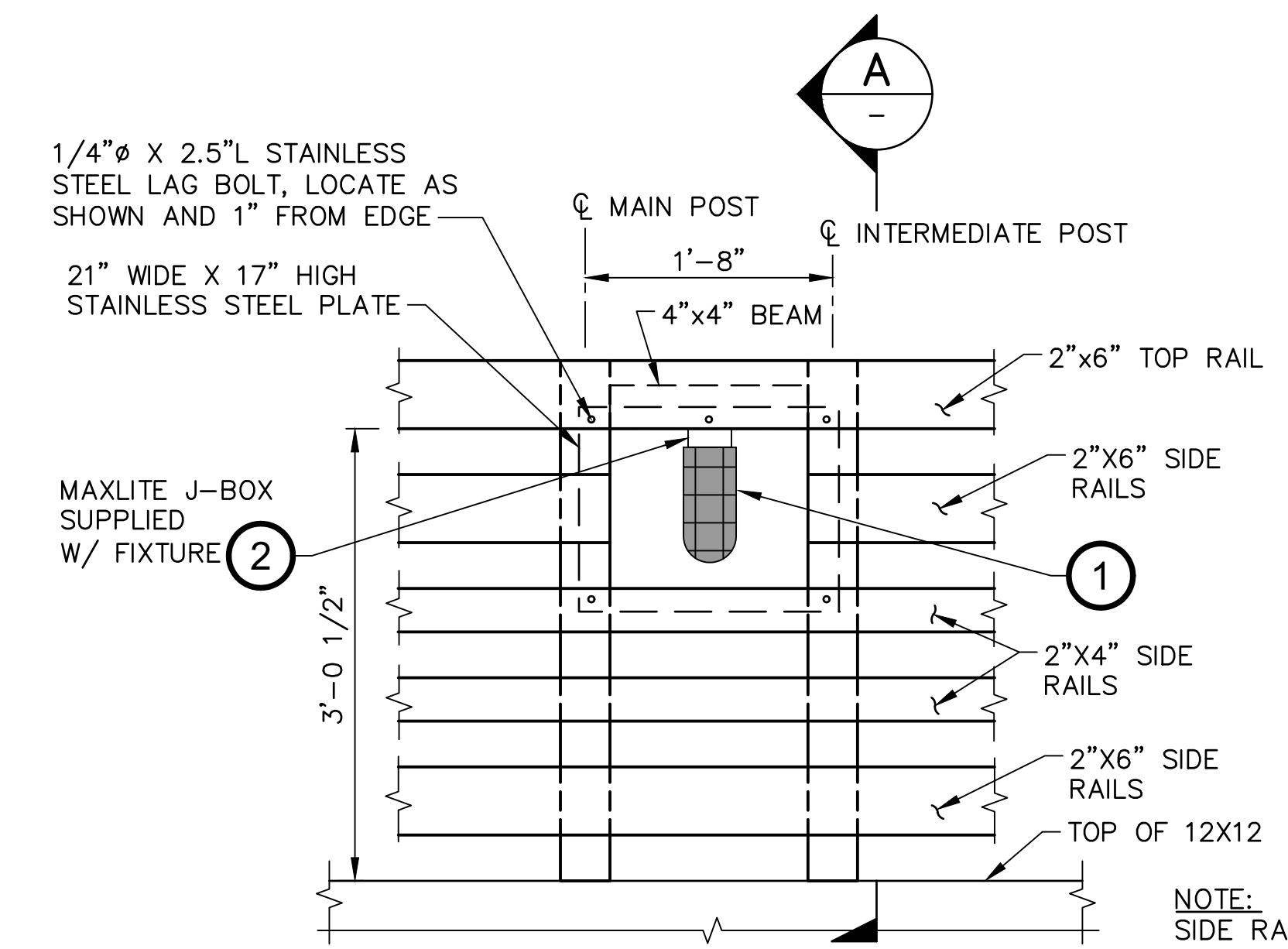
- LIGHTING NOTES**
- 1 10 WATT LED CAST ALUMINUM SURFACE CEILING MOUNTED LIGHT FIXTURE, A19 3000K BULB, UL-LISTED WET LOCATION. MAXLITE MODEL 12001 OR APPROVED EQUAL.
  - 2 4" ROUND WEATHERPROOF J-BOX AND COVER WITH 3/4" HUBS. CROUSE-HINDS OR EQUAL.
  - 3 3/4" RIGID GALVANIZED STEEL CONDUIT WITH 2-#10 AND 1-#10 GROUND MOUNTED EXPOSED ON GUARDRAIL.
  - 4 3/4" SCHEDULE 80 PVC CONDUIT WITH 2-#10 AND 1-#10 GROUND MOUNTED BELOW PIER DECK.
  - 5 3/4" SCHEDULE 80 PVC CONDUIT WITH 2-#10 AND 1-#10 GROUND 24" BELOW GRADE MINIMUM. ROUTE CONDUIT TO EXISTING RESTROOM BUILDING ELECTRICAL PANEL. EXPOSED CONDUIT RISER TO ABOVE GRADE AT BUILDING ENTRANCE SHALL BE RIGID GALVANIZED STEEL. CONNECT LIGHTING CIRCUIT TO TIMESWITCH/PHOTOCELL CONTROL (REFER TO SPECIFICATIONS) AND TO EXISTING SPARE 20A 1P CIRCUIT BREAKER. TOTAL VOLTAGE DROP FOR LIGHTING CIRCUIT EQUALS 2.87%. LOCATE PHOTOCELL ON BUILDING EXTERIOR FACING NORTH.



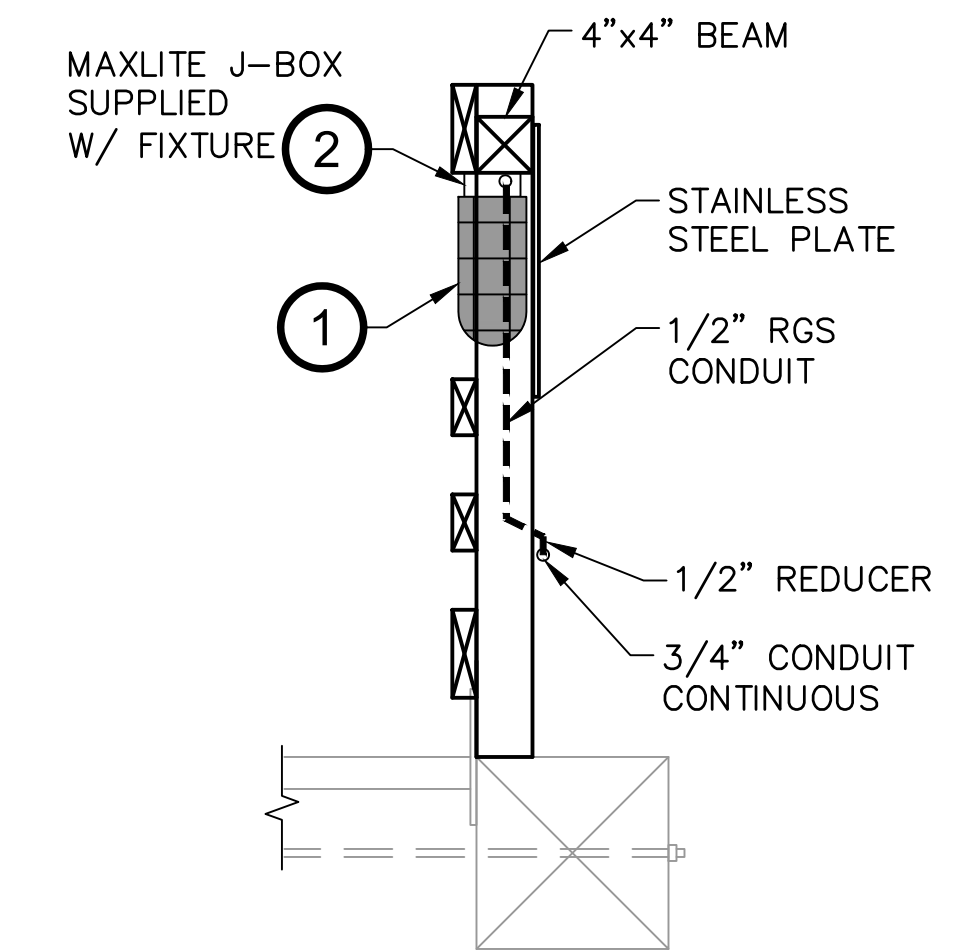
**1 ACCESS WALKWAY LIGHTING PLAN**  
SCALE: 1" = 10'



**2 PLAN - WALKWAY LIGHT**  
SCALE: 1" = 1'-0"

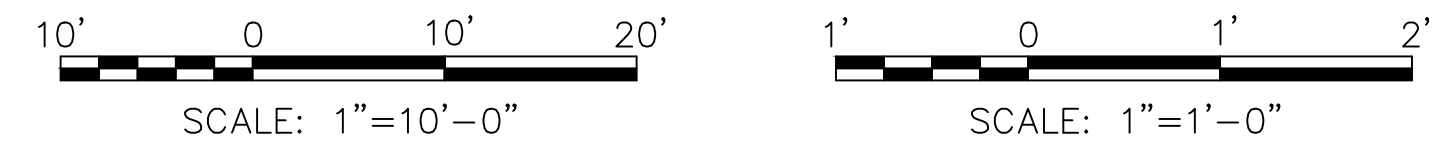


**3 ELEVATION - WALKWAY LIGHT**  
SCALE: 1" = 1'-0"



**A SECTION**  
SCALE: 1" = 1'-0"

NOTE: SIDE RAILS AND TOP RAILS SHALL BE CONTINUOUS AT MAIN POST AND INTERMEDIATE POST UNLESS OTHERWISE SHOWN.



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PILLAR PT MARINA FISHING PIER  
REHABILITATION

**ACCESS WALKWAY LIGHTING PLAN**  
AND DETAILS

DATE: 05/20/2019  
7 OF 7  
E2

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