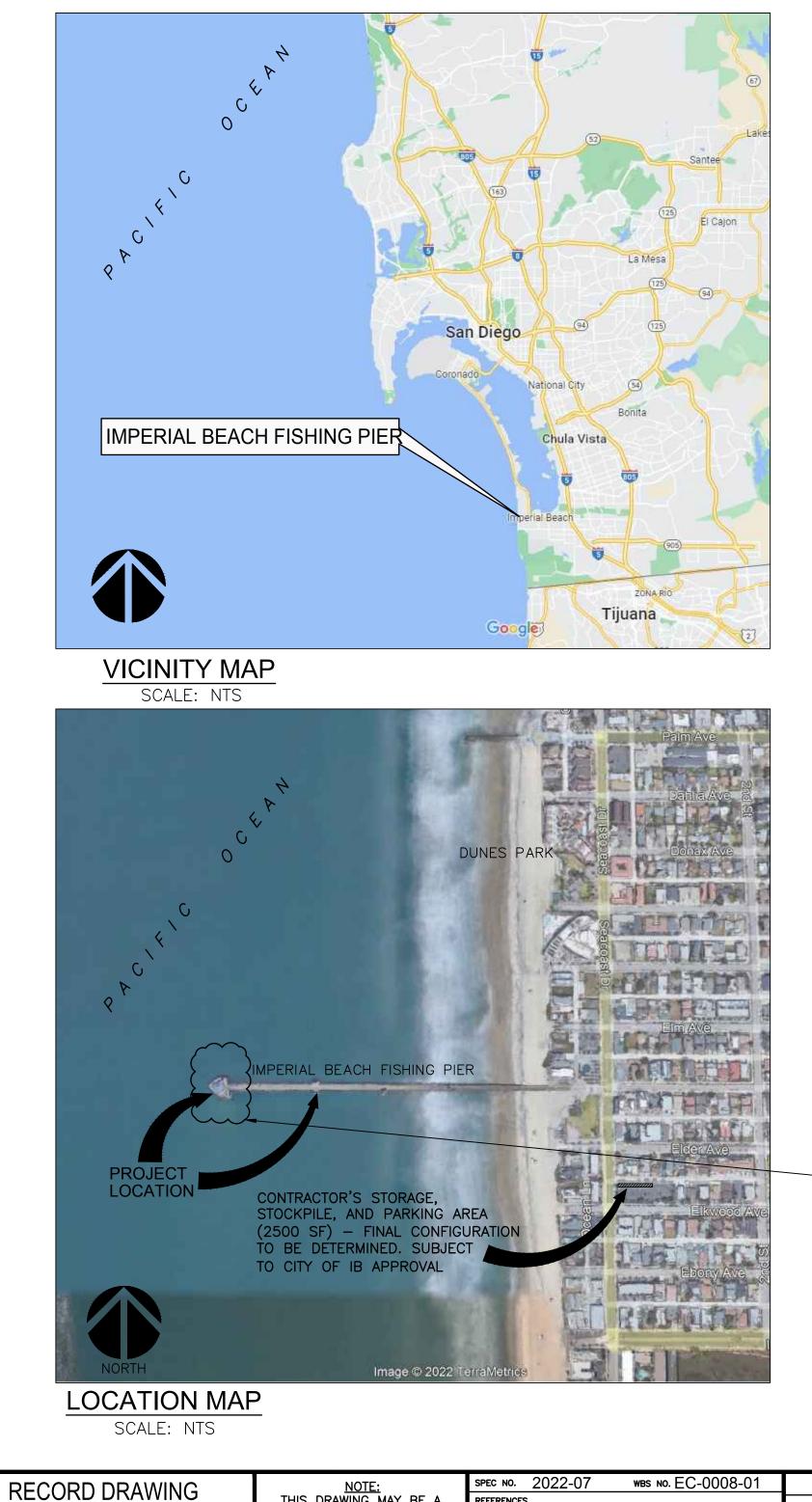
IMPERIAL BEACH PIER ENHANCEMENTS PHASE 2 IMPERIAL BEACH, CALIFORNIA



2022 - 4:01pm Q:\SD\212326-03 ib pier enhancements phase 2\20 CADD_Active_Design_01 GENERAL_Working\IB-202

REVIEWED BY:

ENGINEER OF RECORD

DATE:

	NOTE:	SPEC NO. 2022-07 WBS NO. EC-0008-01	
,	THIS DRAWING MAY BE A	REFERENCES	
	REDUCED SCALE PRINT OF THE ORIGINAL DRAWING.	PROJECT ENGINEER	
	UTILIZE GRAPHIC SCALES TO	CONTRACTOR	
	VERIFY IF DRAWING IS A	CONSTRUCTION STARTED	
	REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE	CONSTRUCTION COMPLETED	
	GRAPHIC SCALES SHOWN.	COST INSPECTOR	REVISIONS



AERIAL VIEW SCALE: NTS





WORK TO BE DONE:

WORK TO BE DONE SHALL BE ACCORDING TO DRAWING NO. IB-2022-01 AND SPECIFICATION NO. 2022-07 OF THE SAN DIEGO UNIFIED PORT DISTRICT AND SHALL INCLUDE: DEMOLITION AND DISPOSAL OF VARIOUS TIMBER, STEEL, ELECTRICAL, AND MISCELLANEOUS ELEMENTS; ROUGH CARPENTRY; FINISH CARPENTRY; INSTALLATION OF STRUCTURAL STEEL-FRAMED CANOPY SUPPORTING SPECIAL DECORATIVE PANELS CANOPY; INSTALLATION OF CABLE RAILING; LIGHTING INSTALLATION; ENVIRONMENTAL PROTECTION; INSTALLATION OF CABLE FENCE (ADDITIVE BID ITEM NO. 1); AND OTHER INCIDENTAL ITEMS OF WORK AS SHOWN.

PROJECT ENGINEERS:



Structural Engineers 1660 Hotel Circle North., Suite 500 San Diego, California 92108 Phone (619) 220-6050 Contact: Julia Shockley, E.I.T. Matthew N. Martinez S.E.

LANDSCAPE ARCHITECT:



1200 BANNOCK ST., DENVER, CO 80204 Phone (303) 571-0053

ELECTRICAL ENGINEER:



9903 BUSINESSPARK AVE., SUITE 104 San Diego, California 92131 Phone (858) 800-6000

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ARCHITECT/ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THIS DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECKING OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE SAN DIEGO UNIFIED PORT DISTRICT IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ARCHITECT/ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

NAME: <u>MATTHEW N. MARTINEZ</u> CA REGISTRATION NO: <u>3045</u> LICENSE EXP. DATE: <u>JUNE 30, 2024</u> COMPANY NAME: <u>MOFFATT & NICHOL</u>





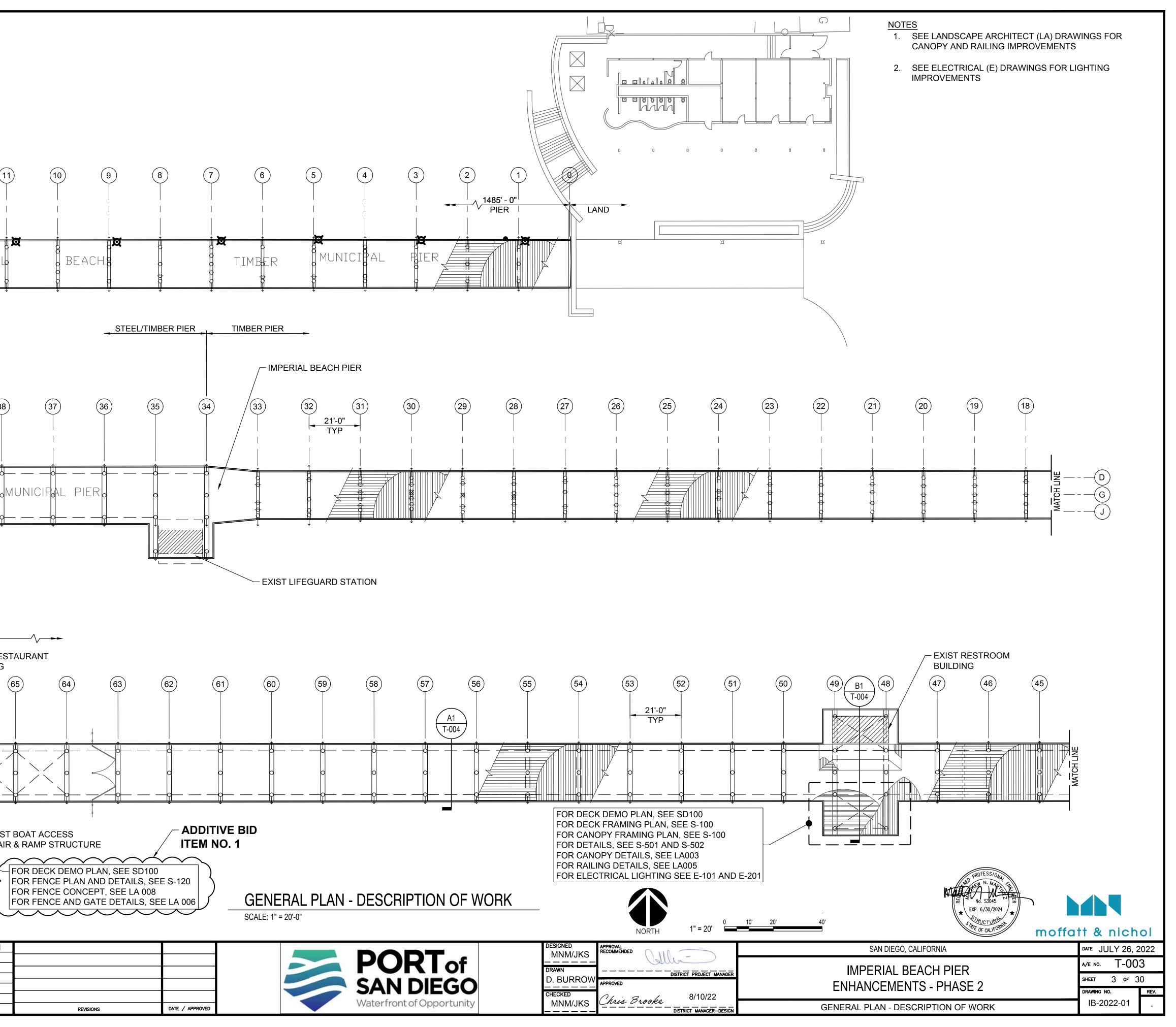
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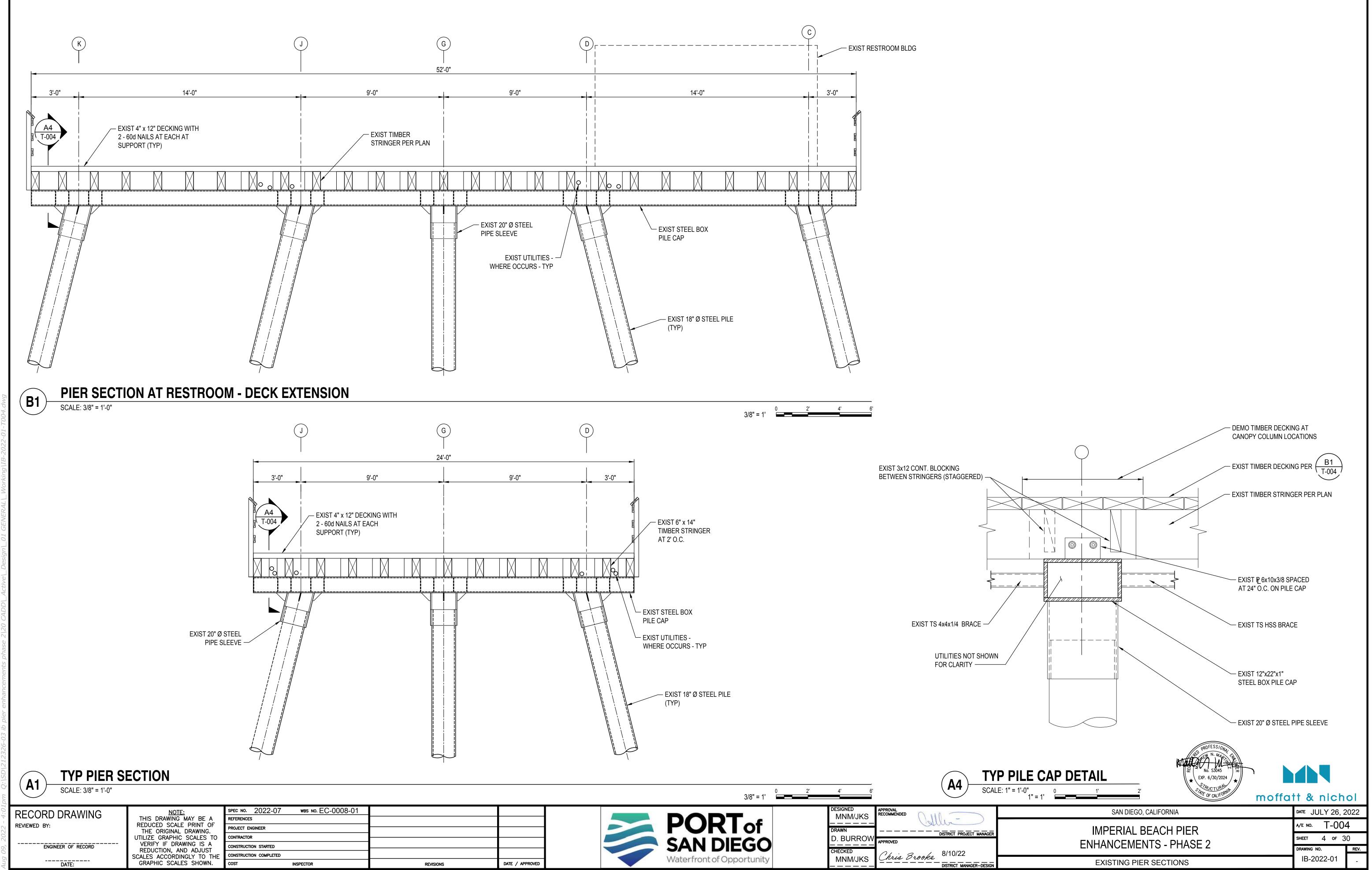
	SAN DIEGO, CALIFORNIA	date JULY 26, 2	022
	IMPERIAL BEACH PIER	а/е NO. Т-00	1
CT MANAGER	ENHANCEMENTS - PHASE 2	SHEET 1 OF 30	0
	ENHANCEWENTS - PHASE 2	DRAWING NO.	REV.
GER-DESIGN	TITLE SHEET	IB-2022-01	-

			ΔF	BREVIATIONS			
& 2 @ AB ADD'L ADA AISC ALT APPX. ASTM AVG AW BLDG BLKG BO BOT C Q CI CLR CJ CONC CONN CONSTR CONSTR CONSTR CONT CTR CU FT CY db DIA, D, Ø DBL DEMO DIP DIST DO DWG(S)	AMERICAN IN CONSTRUCTION ALTERNATE APPROXIMAT AMERICAN SC ENGINEERS AMERICAN SC MATERIALS AVERAGE AMERICAN WO ASSOCIATION	ITH DISABILITY ACT STITUTE OF STEEL ON EDCIETY OF MECHANICAL OCIETY FOR TESTING AND OOD PRESERVERS ELDING SOCIETY RANCE NT ON CONTINUOUS	E EA ELEV, EL ELEC EMBED ETC EXP EXIST F FO FS FT FTG FW GALV HORIZ H.P. HSS IB ID IN INFO JT LBP LB(S) LG LIN LDP LB(S) LG LIN LLH LLV LONGIT MAX M.B. MC MECH MFR, MFR'S MH MIN MISC MLLW N/A NIC	ELECTRIC/ELECTRICA EACH ELEVATION ELECTRICAL EMBEDMENT ETCETERA EXPANSION EXISTING FAHRENHEIT FACE OF FINISH SURFACE FEET FOOTING FRESH WATER GALVANIZED HORIZONTAL HIGH POINT HOLLOW STRUCTURA IMPERIAL BEACH INSIDE DIAMETER INCHES INFORMATION JOINT LEAD BASED PAINT POUND(S) LONG LINEAR LONG LEG HORIZONT LONG LEG VERTICAL LONG LEG VERTICAL LONG LEG VERTICAL LONG LEG VERTICAL LONG LEG VERTICAL MAXIMUM MACHINE BOLT MISCELLANEOUS CHA MECHANICAL MANUFACTURER(S) MANHOLE MINIMUM MISCELLANEOUS MEAN LOWER LOW WA NOT APPLICABLE NOT IN CONTRACT NUMBER(S) NOT TO SCALE ON CENTER OUTSIDE DIAMETER ORIGINAL	L SECTION	PCF PL PROP PSI REFL REF REINF REQ'D REQT SCHED SDG&E SDUPD SF SHT SIM SPA SPEC SQ SS SSPC STA STD STIFF SYMM T, TEL TB TO SS SSPC STA STIFF SYMM T, TEL TB TO STS TW TYP UNO UHMW, UHMWPE VERT W/ WI WP WPJ WW	
			PROJ	ECT SHEET INI	DEX		
SHEET No. <u>GENER</u> 1 2 3 4 <u>DEMOL</u> 5 6 7 8 <u>STRUC</u> 9 10 11 12 13 <u>REFERE</u> 14	AL T-001 T-002 T-003 T-004 ITION SD100 SD500 SD510 SD511 IURAL S-001 S-120 S-501 S-502 ENCE	TITLE TITLE SHEET GENERAL NOTES, DRAWIN GENERAL PLAN - DESCRIP EXISTING PIER SECTIONS DEMOLITION PLANS DEMOLITION PHOTOGRAP DEMOLITION PHOTOGRAP DEMOLITION PHOTOGRAP DEMOLITION PHOTOGRAP GENERAL STRUCTURAL NO DECK LEVEL AND CANOPY FENCE PLAN AND DETAILS CANOPY DECK DETAILS CANOPY FRAMING DETAILS REFERENCE DRAWING	TION OF WOF HS AND DET DTES LEVEL PLAN	RK AILS	SHEET No. LANDS 15 16 17 18 19 20 21 22 ELECT 23 24 25 26 27 28 29 30	CAPE ARC LA001 LA002 LA003 LA004 LA005 LA006 LA007 LA008	CHITECT 3D (CAN GUA CAN GUA CAE CAE
REVIEWED BY:	DRAWING	NOTE: THIS DRAWING MAY BE REDUCED SCALE PRINT THE ORIGINAL DRAWING UTILIZE GRAPHIC SCALES VERIFY IF DRAWING IS REDUCTION, AND ADJUS SCALES ACCORDINGLY TO GRAPHIC SCALES SHOW	OF PROJECT EN G. TO CONTRACTOR A CONSTRUCTION ST CONSTRUCTION	GINEER	0008-01		REVISIONS

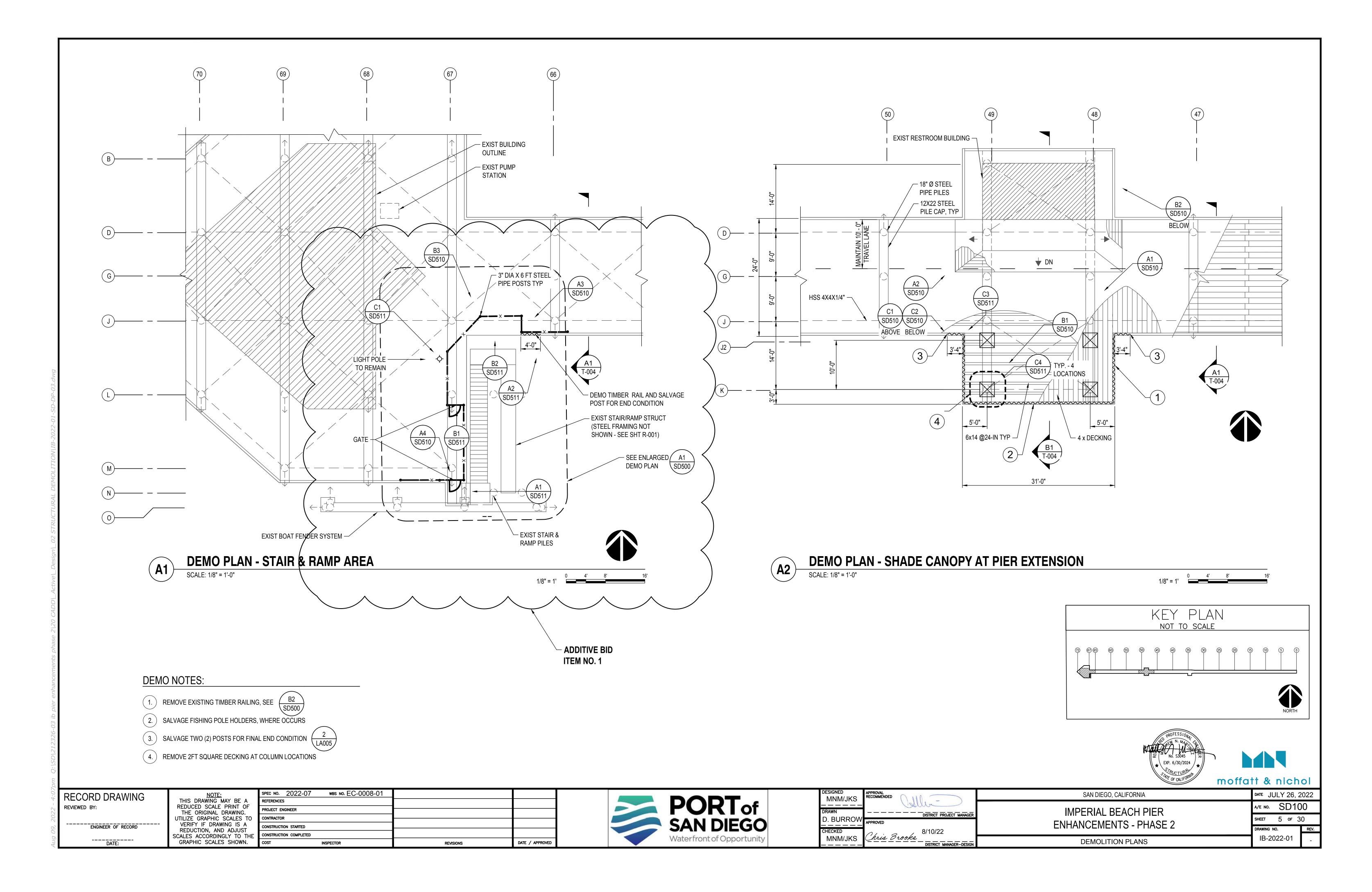
	NOTES	
S PER CUBIC FEET	A. <u>GENERAL NOTES</u>	D. DEMOLITION AND WORKING CONDITIONS
XIMATE DIMENSION CONTRACTOR TO VERIFY RTY S PER SQUARE INCH CTED ENCE PRCED, REINFORCING	1. DIMENSIONS AND ELEVATIONS INDICATED FOR EXISTING CONDITIONS ARE AS MEASURED IN THE FIELD AND SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, STATIONING AND ELEVATIONS AND NOTIFY THE ENGINEER OF ANY SIGNIFICANT DISCREPANCIES FOUND.	 PRIOR TO COMMENCING DEMOLITION, THE CONTRACTOR SHALL VERIFY THE LOCATION AND SIZE OF ANY EXISTING UTILITIES SERVING OR SUPPORTED BY THE STRUCTURE. VERIFICATION SHALL BE MADE FROM AVAILABLE SOURCES SUCH AS, BUT NOT LIMITED TO, UTILITY COMPANIES, AS-BUILT DRAWINGS, SITE INVESTIGATIONS, ETC.
RED REMENT(S) JLE EGO GAS & ELECTRIC EGO UNIFIED PORT DISTRICT	 PLANS AND DETAILS SHOWN ON THESE DRAWINGS OF THE EXISTING CONDITIONS ARE TAKEN FROM THE ORIGINAL CONSTRUCTION DOCUMENTS AND AS FOUND IN THE FIELD AS OF MAY 27, 2022. THE CONTRACTOR SHALL VERIFY EXISTING CONSTRUCTION PRIOR TO BEGINNING ALL ASSOCIATED WORK. 	2. ALL ITEMS INDICATED "REMOVE AND SALVAGE" FOR RE-USE SHALL BE TAGGED, STORED AND PROTECTED. THESE ITEMS SHALL BE REINSTALLED BY THE CONTRACTOR WHERE INDICATED AFTER COMPLETION OF ASSOCIATED WORK.
E FEET	3. IN CASE OF CONFLICT, NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.	 UNLESS NOTED OTHERWISE, MATERIAL TO BE "REMOVED" SHALL BE REMOVED AND DISPOSED OF AT A LICENSED DISPOSAL SITE OFF DISTRICT TIDELANDS AT CONTRACTOR'S EXPENSE.
SPACED, SPACING CATION E ESS STEEL TURAL STEEL PAINTING COUNCIL	 WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, THE DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK. ALL ELEVATIONS SHOWN ON DRAWINGS ARE BASED ON MEAN LOWER LOW WATER DATUM (MLLW). 	4. CONTRACTOR SHALL LIMIT LOADING ON THE PIER AS INDICATED ON SHEET S-001 AND THE SPECIFICATIONS. CONCENTRATED LOADS FROM TRUCKS, CRANES AND OTHER EQUIPMENT SHALL BE PLACED OVER PILE CAPS. OUTRIGGERS FOR MOBILE
N ARD NER	STATION ID 9410230, LA JOLLA CA, EPOCH 1983-2001.6. THE CONTRACTOR SHALL NOT INTERRUPT UTILITY SERVICES OR BLOCK ACCESS TO RESTROOMS OR	TRUCK CRANES SHALL USE SPREADER BEAMS OR OTHER MEANS TO DISTRIBUTE LOAD OVER PILE CAPS.
TRICAL ONE BOLT WITH DOME HEAD	 RESTAURANT WITHOUT AUTHORIZATION FROM THE DISTRICT WITH 72 HOURS NOTICE MINIMUM. 7. INDICATED SIZE AND LOCATION FOR UTILITIES, EQUIPMENT, AND OTHER IMPROVEMENTS IS APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZES OF UTILITIES. 	 THE CONTRACTOR SHALL PROTECT THE EXISTING STRUCTURE AND IMPROVEMENTS DURING THE WORK. PROVIDE BRACING, SHORING AND SPREADER BEAMS AS NECESSARY FOR CONSTRUCTION LOADS.
STEEL FEEL WALL OR CONCRETE CAP L	B. <u>REFERENCE TO EXISTING DRAWINGS</u>	6. TEMPORARY SHORING AND BRACING. PROVIDE TEMPORARY SHORES, GUYS, BRACES, AND OTHER SUPPORTS DURING ERECTION TO KEEP STRUCTURAL STEEL SECURE, PLUMB, AND IN ALIGNMENT AGAINST TEMPORARY CONSTRUCTION LOADS,
NOTED OTHERWISE HGH MOLECULAR WEIGHT POLYETHYLENE	1. EXISTING CONSTRUCTION DRAWING INFORMATION IS AS FOLLOWS: DRAWING(S) (1) AGENCY/CONSULTANT DRAWING(S) (1)	LOADS INDUCED BY WIND, EARTHQUAKE, WAVES AND DESIGN LOADS. DESIGN AND ADEQUACY OF SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. REMOVE TEMPORARY SUPPORTS WHEN PERMANENT STRUCTURAL STEEL, CONNECTIONS AND BRACING ARE IN-PLACE, UNLESS OTHERWISE INDICATED.
HT IRON	MUNICIPAL PIER SDURD DWG NO. 2413 SERT. 1986	7. CERTAIN ASPECTS OF THE WORK REQUIRES UNDERDECK PIER ACCESS OVER
POINT NED PLANE JOINT WATER	RECONSTRUCTION SDOPD DWG NO. 2413 SEFT. 1900 IMPERIAL BEACH FISHING PIER SDUPD DWG NO. 2420 DEC. 2004 REHABILITATION SDUPD DWG NO. 2420 DEC. 2004	WATER. THE WORK WILL REQUIRE UTILIZATION OF A BRIDGE SNOOPER OR EQUIV. DEVICE, AND/OR ERECTION OF FIXED SCAFFOLDING
	IMPERIAL BEACH FISHING PIER SDUPD DWG NO. 2427 FEB. 2009 REPAIR SDUPD DWG NO. 2427 FEB. 2009	8. REMOVAL OF DECKING FOR ACCESS TO THE UNDERSIDE OF THE PIER DECK SHALL BE COORDINATED TO COMPLY WITH PUBLIC ACCESS REQUIREMENTS INDICATED IN
	IMPERIAL BEACH PIER DECK REFURBISHMENTSDUPD DWG NO. 2432JUN. 2012	NOTE C.3. GAPS IN THE PIER DECK SHALL NOT BE LEFT OPEN FOR MORE THAN AN 8 HOUR PERIOD OR UNATTENDED WITH ALL NECESSARY MEASURES TO PROTECT
	LIGHTING REPLACEMENT AT IMPERIAL BEACH PIERSDUPD DWG NO. IB-2017-01DEC. 2017(1)COPIES OF THESE DRAWINGS MAY BE VIEWED AT THE DISTRICT CLERK'S OFFICE.	 WORKERS AND MAINTAIN PUBLIC SAFETY. 9. REMOVAL OF RAILINGS/FENCING SHALL BE PERFORMED IN SUCH A MANNER SO AS TO MAINTAIN PUBLIC SAFETY, PROVIDE TEMPORARY DEVICES TO SERVE AS A RAILING/FENCING, WORK SHALL BE COMPLETED ON RAILINGS/FENCING SUCH THAT TEMPORARY SAFETY RAILING/FENCING IS NOT REQ'D FOR MORE THAN A 72 HOUR PERIOD.
E	C. <u>SCHEDULING OF WORK</u>	10. REMOVAL OF DECKING AND DECK SPIKES SHALL BE PERFORMED IN SUCH A
CONCEPT IOPY PLAN	 THE SCHEDULING AND PHASING OF THE WORK SHALL BE COMPLETED AS REQUIRED BY THE SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE TRAFFIC, LAYDOWN AREAS, UTILITY SHUTOFFS, ACCESS TO WORK SITES, MATERIAL AND EQUIPMENT STORAGE, ALTERNATE TRAFFIC ROUTES, PARKING, AND ANY OTHER ITEMS AS REQUIRED BY THE DISTRICT. 	MANNER SO AS TO PREVENT SPLITTING OF SUPPORTING TIMBER STRINGERS OR ADJACENT PLANKS. TIMBER MEMBERS DAMAGED AS A RESULT OF THE DEMOLITION PROCESS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
ARDRAIL PLAN IOPY DETAILS ARDRAIL DETAILS BLE FENCE DETAILS BLE FENCE GATE DETAILS	 ALL UTILITIES SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE SHOWN OR SPECIFIED, DURING ALL PHASES OF CONSTRUCTION. IN THE EVENT OF A UTILITY RELATED EMERGENCY IMMEDIATELY CONTACT THE DISTRICT. 	11. ON SITE WELDING REQUIRES THAT A REPRESENTATIVE OF THE FIRE DEPARTMENT BE PRESENT. THE CONTRACTOR SHALL COORDINATE WITH THE DISTRICT PRIOR TO WELDING ACTIVITIES.
BLE FENCE VIEWS	PORT OF SAN DIEGO 3165 PACIFIC HIGHWAY	E. <u>ENVIRONMENTAL NOTES</u>
ECTRICAL LEGENDS, GENERAL NOTES MINAIRE SCHEDULE LE 24 LIGHTING COMPLIANCE FORMS -1 LE 24 LIGHTING COMPLIANCE FORMS -2 ECTRICAL SITE PLAN	 SAN DIEGO, CA 92101 (619) 686-6200 3. PIER ACCESS FOR PEDESTRIANS AND VEHICLES SHALL REMAIN OPEN AND AVAILABLE BETWEEN 6:00 AM - 10:00 PM. CONTRACTORS SHALL PROVIDE A MINIMUM 10-FOOT WIDE LANE ON THE PIER WHILE 	 THE CONTRACTOR SHALL PROVIDE FIXED (NOT FLOATING) SCAFFOLDING TO SUPPORT WORKERS, AND THE CONTRACTOR SHALL PROVIDE A SYSTEM DESIGNED TO CATCH AND RETRIEVE ALL DEMOLITION AND CONSTRUCTION MATERIAL GENERATED BY THIS PROJECT. DEMOLITION AND CONSTRUCTION MATERIAL SHALL NOT BE ALLOWED TO FALL INTO THE OCEAN.
LARGED PLANS ECTRICAL DETAILS IGLE LINE DIAGRAM	 WORKING BETWEEN THE HOURS OF 6:00 AM - 10:00 PM. 4. COMPLETE CLOSURE (FULL PIER WIDTH) OF ALL OR PORTION OF THE PIER SHALL BE PERMISSABLE ONLY BETWEEN THE HOURS OF 10:00 PM - 6:00 AM. COMPLETE PIER CLOSURE SHALL BE CONTINGENT ON PRIOR APPROVAL AND POSTING OF "PIER CLOSURE SIGNS" A MINIMUM OF 72 HOURS PRIOR TO 	 ALL TIMBER MEMBERS ARE TREATED WITH PRESERVATIVES. THE CONTRACTOR SHALL DISPOSE OF TREATED TIMBER ELEMENTS IN ACCORDANCE WITH LOCAL AGENCIES.
	 5. THE CONTRACTOR'S STORAGE STOCKPILE AND PARKING AREA IS SHOWN ON THE LOCATION MAP ON SHEET T-001, SUBJECT TO CITY OF IB APPROVAL. THE ACTUAL BOUNDARIES SHALL BE COORDINATED 	3. STEEL COATING TEST RESULTS FROM 2004, PREPARED BY AMERISCI, INDICATE THE PAINT CONTAINS SMALL AMOUNTS OF LEAD; HOWEVER THE CONCENTRATION IS NOT SUFFICIENT TO BE CONSIDERED A LEAD BASED PAINT.
	 WITH AND APPROVED BY THE DISTRICT PRIOR TO MOBILIZATION. 6. NO STOCKPILING OF CONSTRUCTION-RELATED MATERIALS OR DEBRIS STORAGE IS PERMITTED ON THE PIER OR THE PUBLIC PARK AT THE PIER ENTRANCE. 	No. 53045 EXP. 6/30/2024 * CFUCTURATION MARKED MARKED CALIFORNIA MARKED CALIFICA MARKED CALIFORNIA MARKED CALIFICA MARKED CALIFICA MA
	DESIGNED MNM/JKS	SAN DIEGO, CALIFORNIA DATE JULY 26, 2022
	PORTof DRAWN D. BURROW APPROVED CHECKED 0/10/22	IMPERIAL BEACH PIER A/E NO. T-002 SHEET 2 OF 30
DATE / APPROVED	SAN DIEGO CHECKED 8/10/22 Waterfront of Opportunity MNM/JKS DISTRICT MANAGER-DESIGN	ENHANCEMENTS - PHASE 2 DRAWING NO. REV. GENERAL NOTES, DRAWING INDEX, AND ABBREVIATIONS IB-2022-01 -

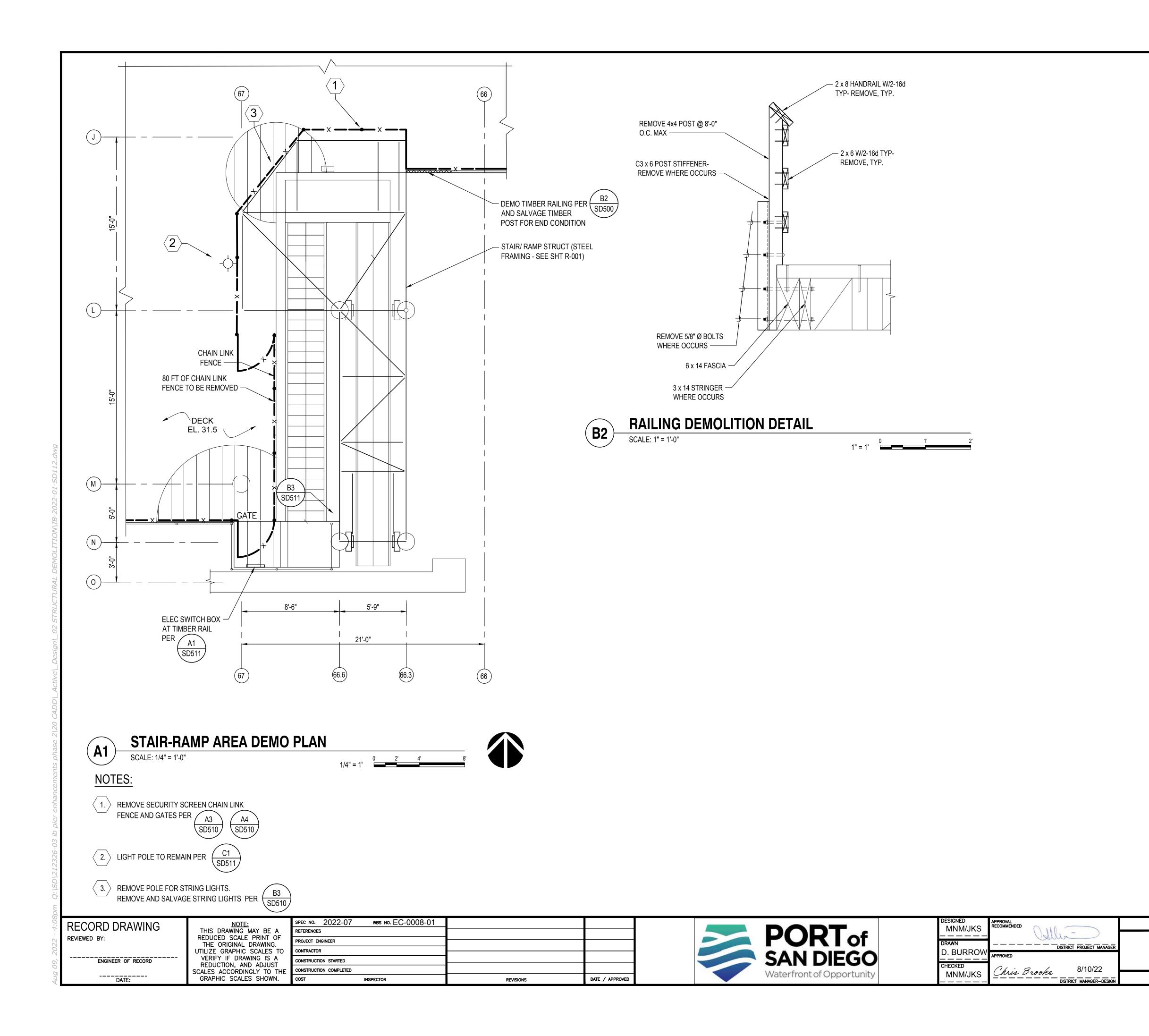
(16) (17) (12) (10) (15) (13) (14) (11)(D)---BEACH MPERIAL (G)—–– (J) — - — (44) (38) (37) (43) (42) (41) (40) (39) A1 T-004 ⊢ —⋈— ——Ò— — — M-STEEL IMBERIAL BEACH 핑 TIMBER MUNICIPAL PIER Ō 24' MAT I (72) (71)68 (70)(69) (67) 1485' - 0" 10'-0" 17'-0" 17'-0" 17'-0" 17'-0" - EXIST RESTAURANT BUILDING (A)-(64) (66) (65) В G (L)- EXIST BOAT ACCESS STAIR & RAMP STRUCTURE (\mathbf{M}) FOR DECK DEMO PLAN, SEE SD100 FOR FENCE CONCEPT, SEE LA 008 (\mathbf{O}) NOTE: THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. WBS NO. EC-0008-01 SPEC NO. 2022-07 RECORD DRAWING REFERENCES REVIEWED BY: PROJECT ENGINEER UTILIZE GRAPHIC SCALES TO CONTRACTOR VERIFY IF DRAWING IS A REDUCTION, AND ADJUST ENGINEER OF RECORD CONSTRUCTION STARTED CONSTRUCTION COMPLETED SCALES ACCORDINGLY TO THE DATE: GRAPHIC SCALES SHOWN. COST INSPECTOR REVISIONS



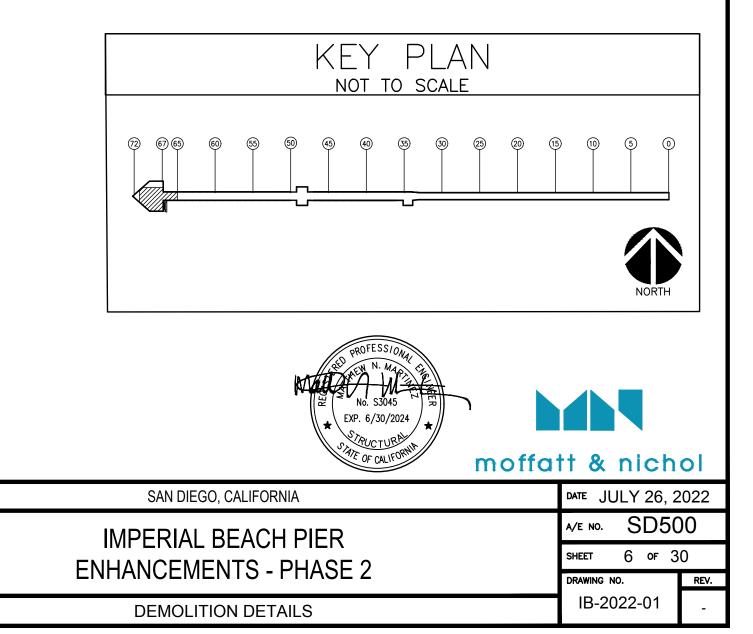


		3/8" = 1'	
		SAN DIEGO	
S	DATE / APPROVED	Waterfront of Opportunity MNM/J	IKS <u>Chris Brooks</u> 8/10/22 DISTRICT MANA











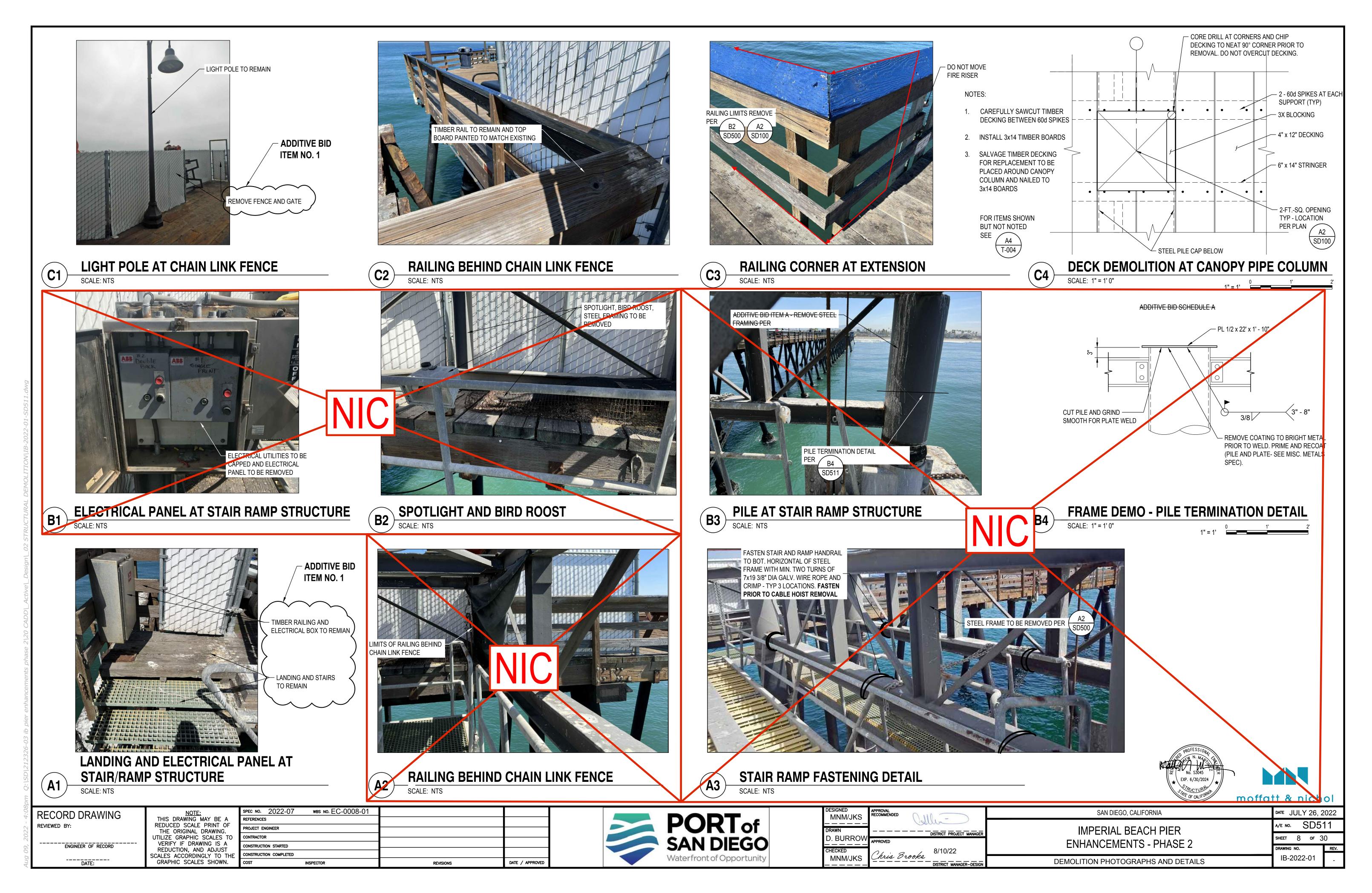


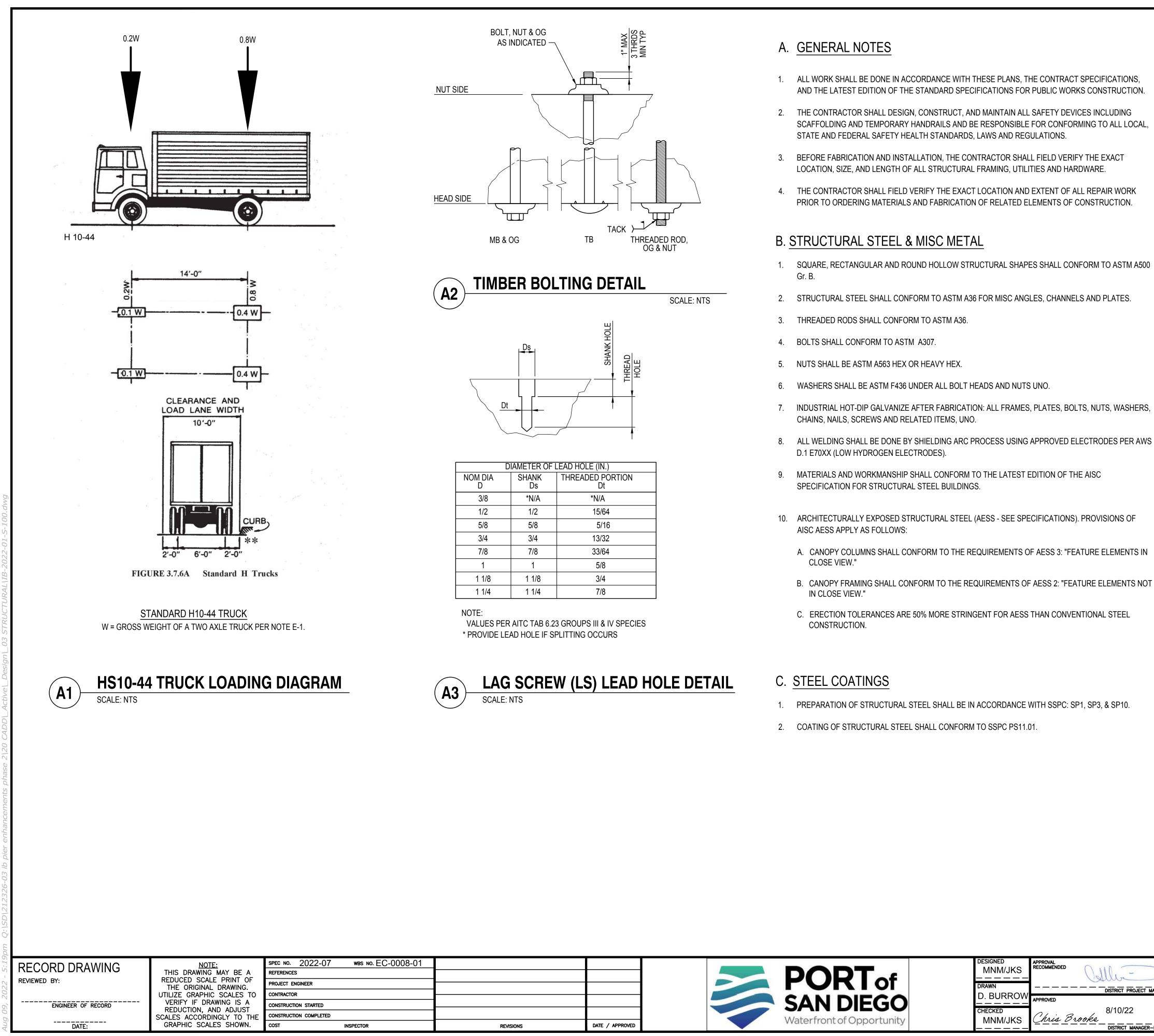












METER OF L	EAD HOLE (IN.)
SHANK	THREADED PORTION
Ds	Dt
*N/A	*N/A
1/2	15/64
5/8	5/16
3/4	13/32
7/8	33/64
1	5/8
1 1/8	3/4
1 1/4	7/8

- AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- SCAFFOLDING AND TEMPORARY HANDRAILS AND BE RESPONSIBLE FOR CONFORMING TO ALL LOCAL,

D. TIMBER

- 1. FRAMING MEMBERS SHALL BE DOUGLAS FIR No. 1 GRADE, UNO
- 2. HOLES FOR BOLTS SHALL BE BORED WITH A 1/32" TO 1/16" LARGER THAN BOLTS.
- 3. PRIOR TO COMPLETION OF BOLTED CONNECTIONS TO TIMBER, RETIGHTEN AND LOCK ALL BOLTS IN PLACE BY MARRING THE BOLT THREADS OUTSIDE OF THE NUT.
- 4. ALL BOLTS DIRECTLY CONNECTED TO WOOD SHALL BE EQUIPPED WITH WASHERS; DOME HEAD "TIMBER BOLTS" DO NOT REQUIRE A WASHER UNDER THE BOLT HEAD.
- 5. ALL BOLTS, LAG SCREWS AND SPIKES SHALL HAVE PREDRILLED PILOT HOLES PRIOR TO INSTALLATION. PER A3

S-100

- 6. DO NOT NOTCH POSTS, STRINGERS OR PILE CAPS EXCEPT WHERE SHOWN IN DETAILS.
- 7. ALL WOOD SHALL BE TREATED WITH 0.6 PCF ACZA. IN ACCORDANCE WITH AWPA P5, P22 & U1.
- 8. ALL NAILS SHALL BE GALV DEFORMED SHANK COMMON WIRE NAIL AND CONFORM TO FEDERAL SPECIFICATION FF-N-105B, SIZE AND SPACING SHALL BE AS DETAILED OR NOTED ON THE DRAWINGS.
- 9. SPIKES SHALL CONFORM TO FEDERAL SPECIFICATION FF-N-105B.
- 10. ANY CUT SURFACES OR DRILLED HOLES MADE IN THE PRESERVATIVE-TREATED WOOD SHALL RECEIVE A TWO-COAT APPLICATION OF PRESERVATIVE AFTER CUTTING OR DRILLING.
- 11. LUMBER SIZES INDICATED ARE NOMINAL. WHERE LUMBER IS REQUIRED TO MATCH EXISTING CONSTRUCTION. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONAL REQUIREMENTS OF THE TIMBER.

E. ALLOWABLE PIER CONSTRUCTION LOADING

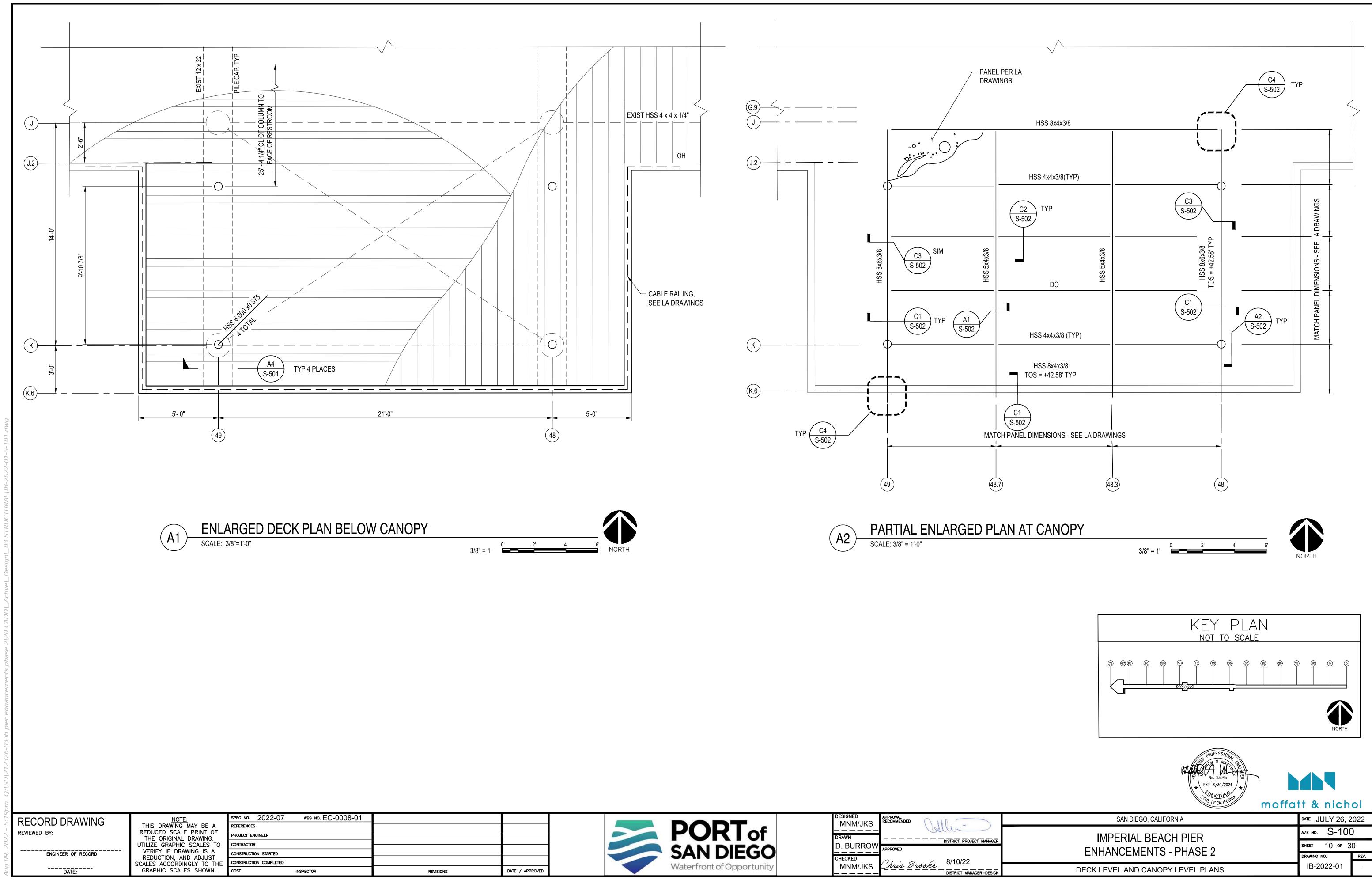
- 1. PIER LOADS ARE RESTRICTED TO THE FOLLOWING LIVE LOADS: UNIFORM LL=100 PSF TRUCK LOAD =H10-44, 20,000 LB TOTAL (4,000 LB FRONT AXLE AND 16,000 LB REAR AXLE) SEE DETAIL A1/S-001
- 2. CONSTRUCTION EQUIPMENT ARE RESTRICTED TO THE FOLLOWING: WHEN TRAVELING: H10-44. WHEN LIFTING: 15,000 LBS OUTRIGGER OR WHEEL LOAD, APPLIED TO AN AREA 4'x4' CENTERED OVER A PILECAP.
- 3. WITH THE USE OF SPREADER BEAMS AND CRANE MATS, THE MAXIMUM CRAWLER CRANE SIZE IS 12.5 TON.
- 4. FOR THE TIMBER PILE PORTION OF THE PIER, THE SPREADER BEAMS SHALL BE POSITIONED DIRECTLY OVER THE PILES.



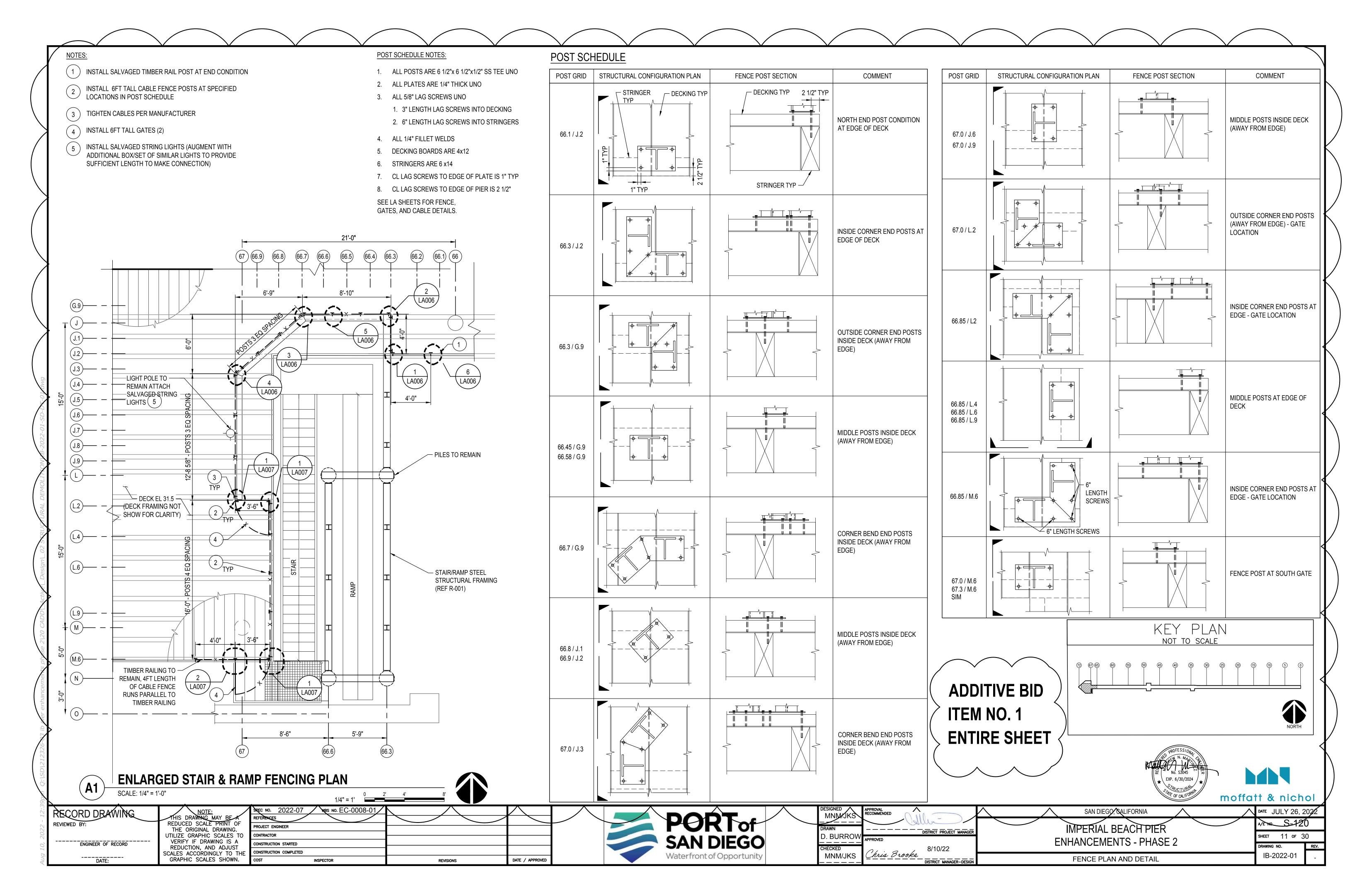


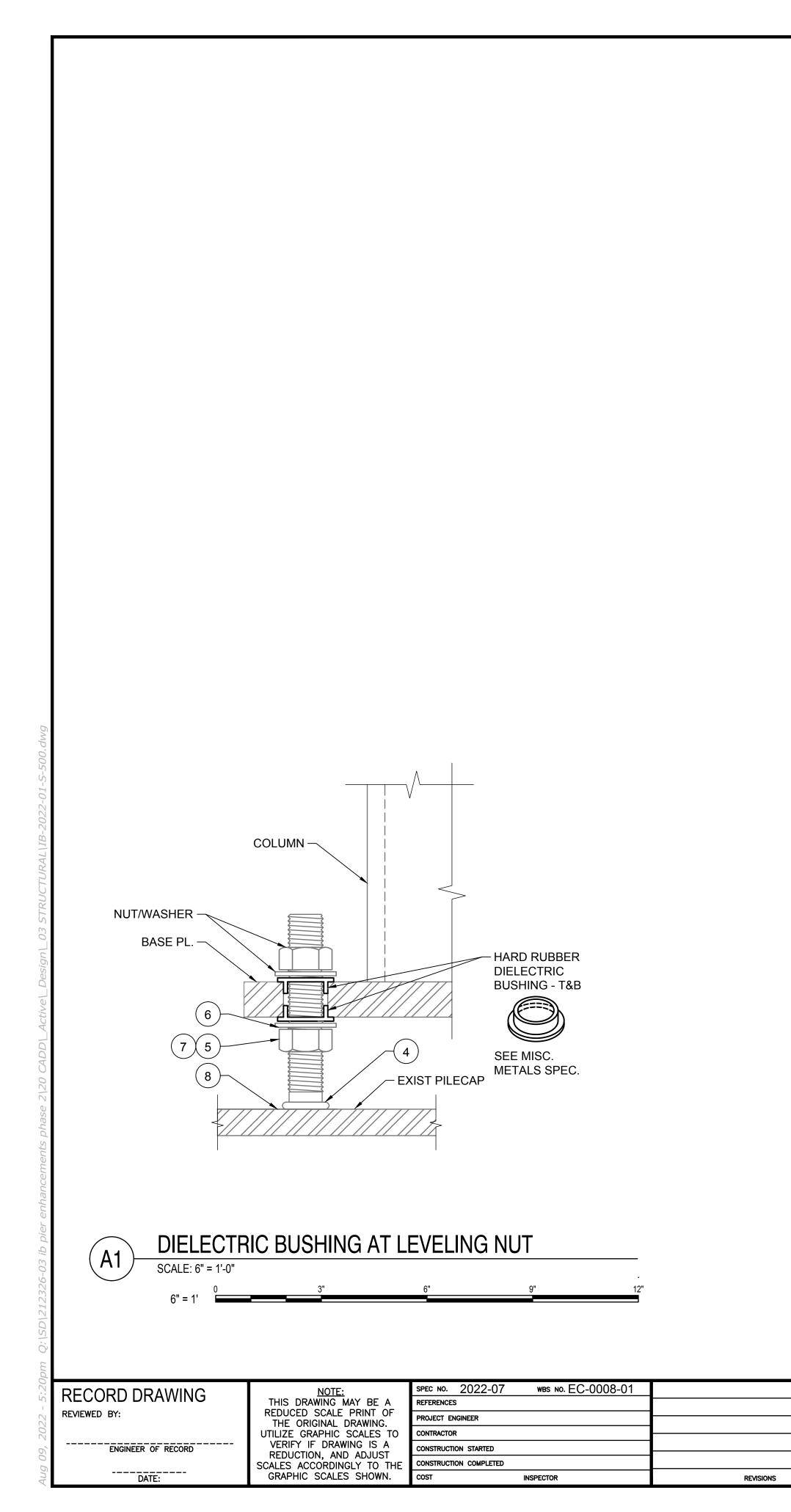
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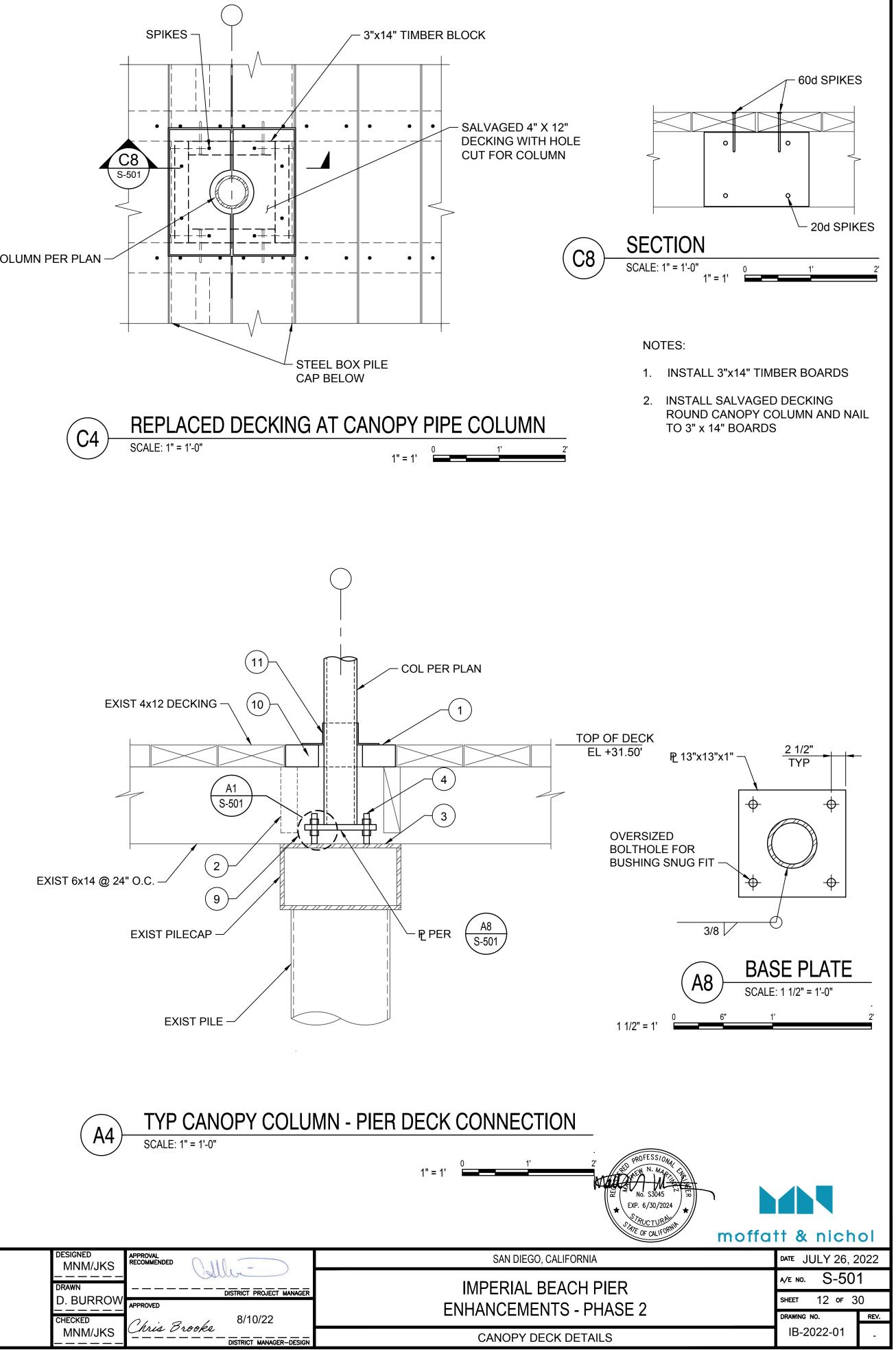
	SAN DIEGO, CALIFORNIA	date JULY 26, 2022		
	IMPERIAL BEACH PIER	a/e no. S-00)1	
CT MANAGER	ENHANCEMENTS - PHASE 2	sheet 9 of 30		
	ENHANCEMENTS - PHASE Z	DRAWING NO.	REV.	
GER-DESIGN	GENERAL STRUCTURAL NOTES	IB-2022-01	-	



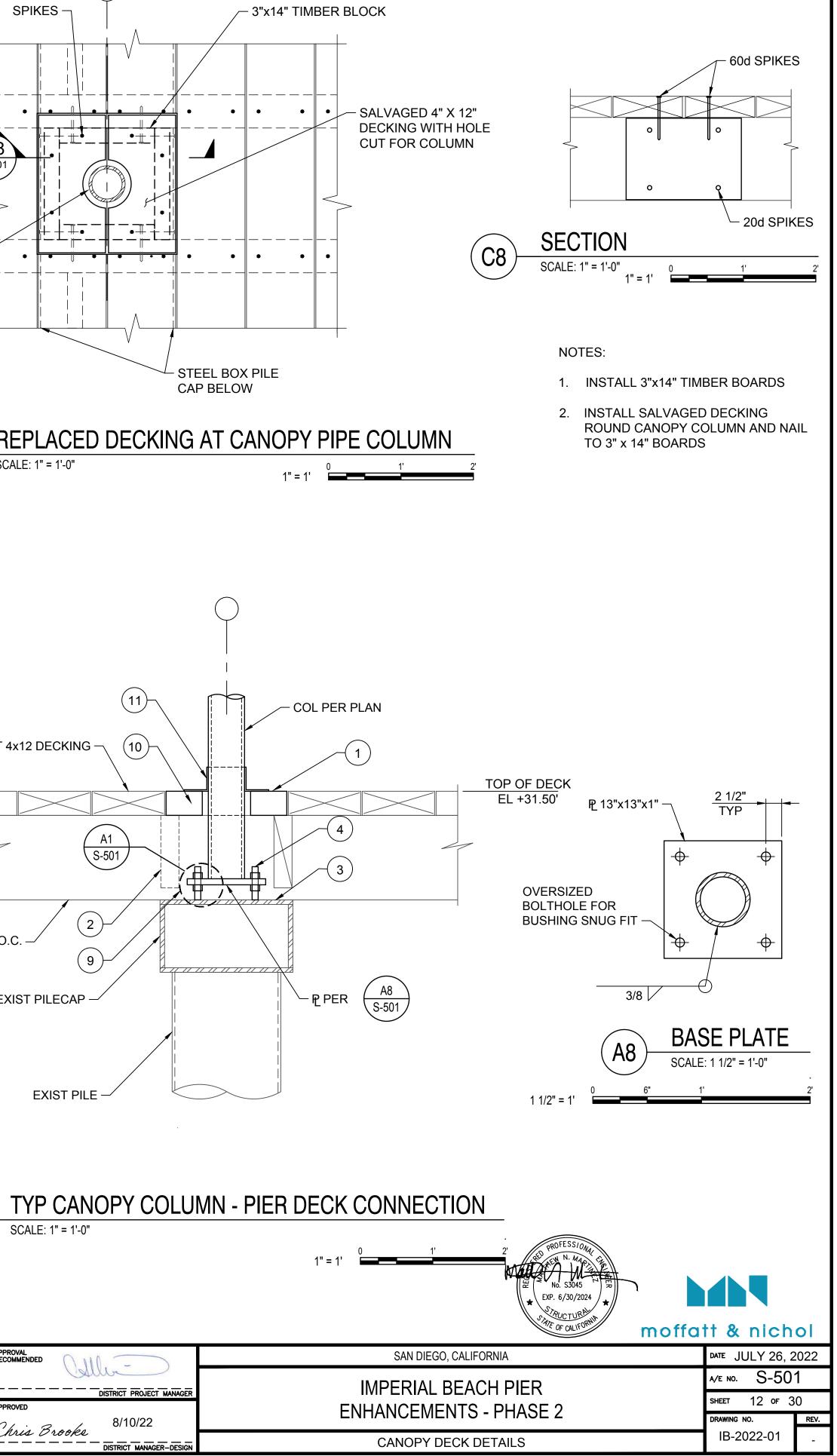
	PORT of	APPROVAL RECOMMENDED	DISTRICT PROJEC
		APPROVED	
	Waterfront of Opportunity MNM/JKS	Chris Brook	ka. 8/10/22
DATE / APPROVED		-	DISTRICT MANAG

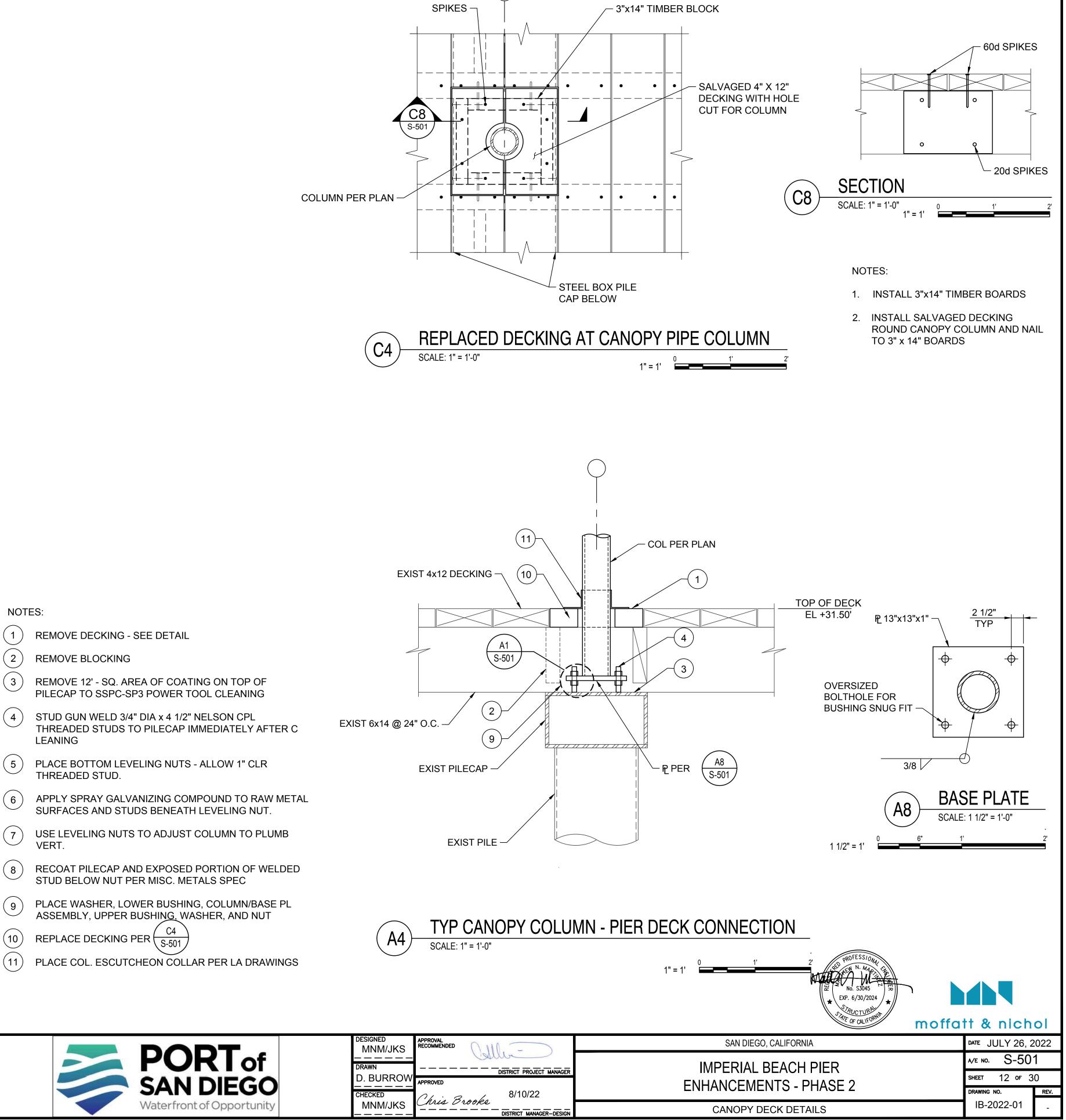












		MNM/JKS 		lu-
	SAN DIEGO			DISTRICT PROJECT I
DATE / APF	Waterfront of Opportunity	CHECKED	Chris Brooks	8/10/22

(1)

(2)

(3)

 $\left(4 \right)$

(5)

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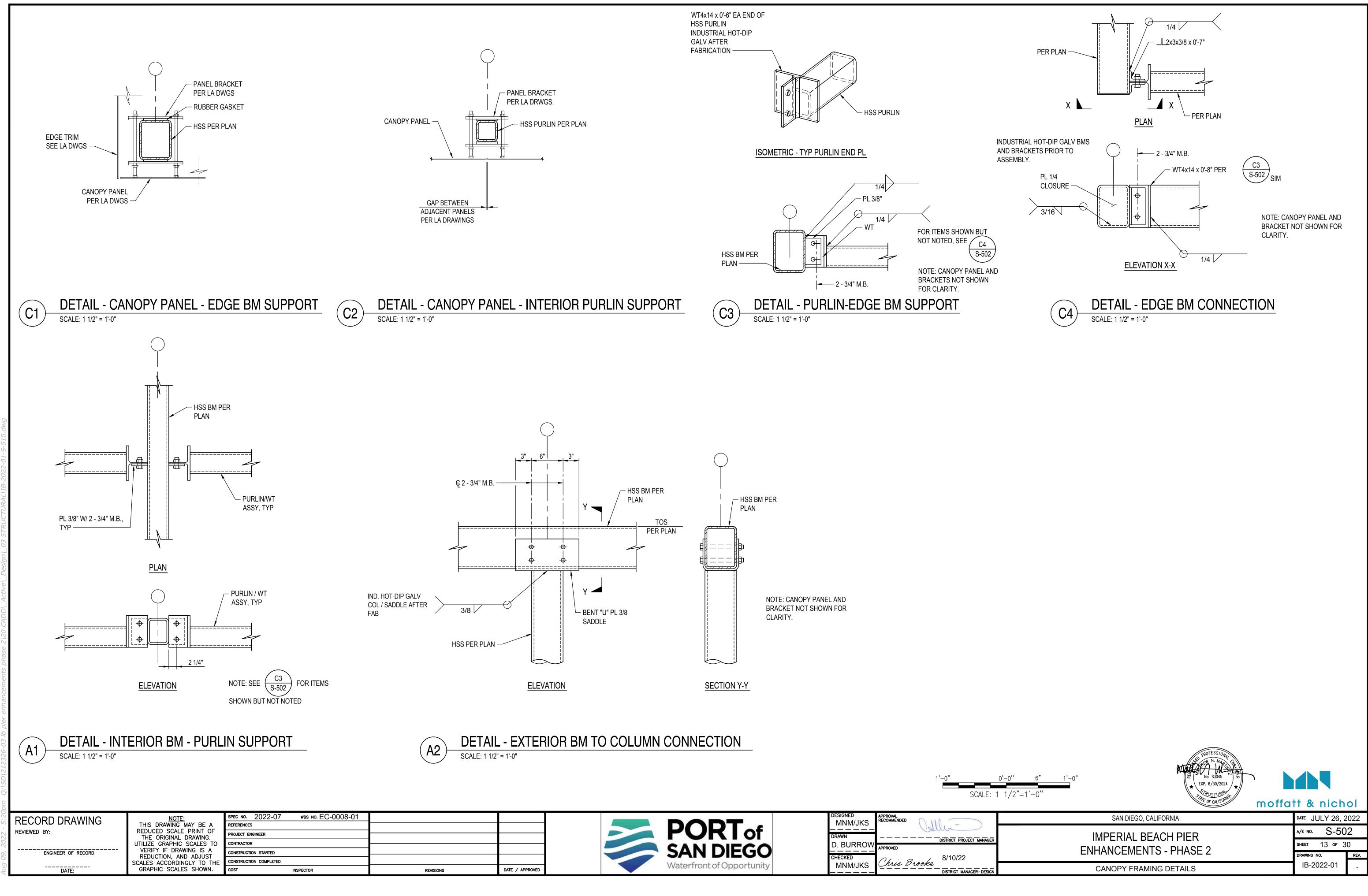
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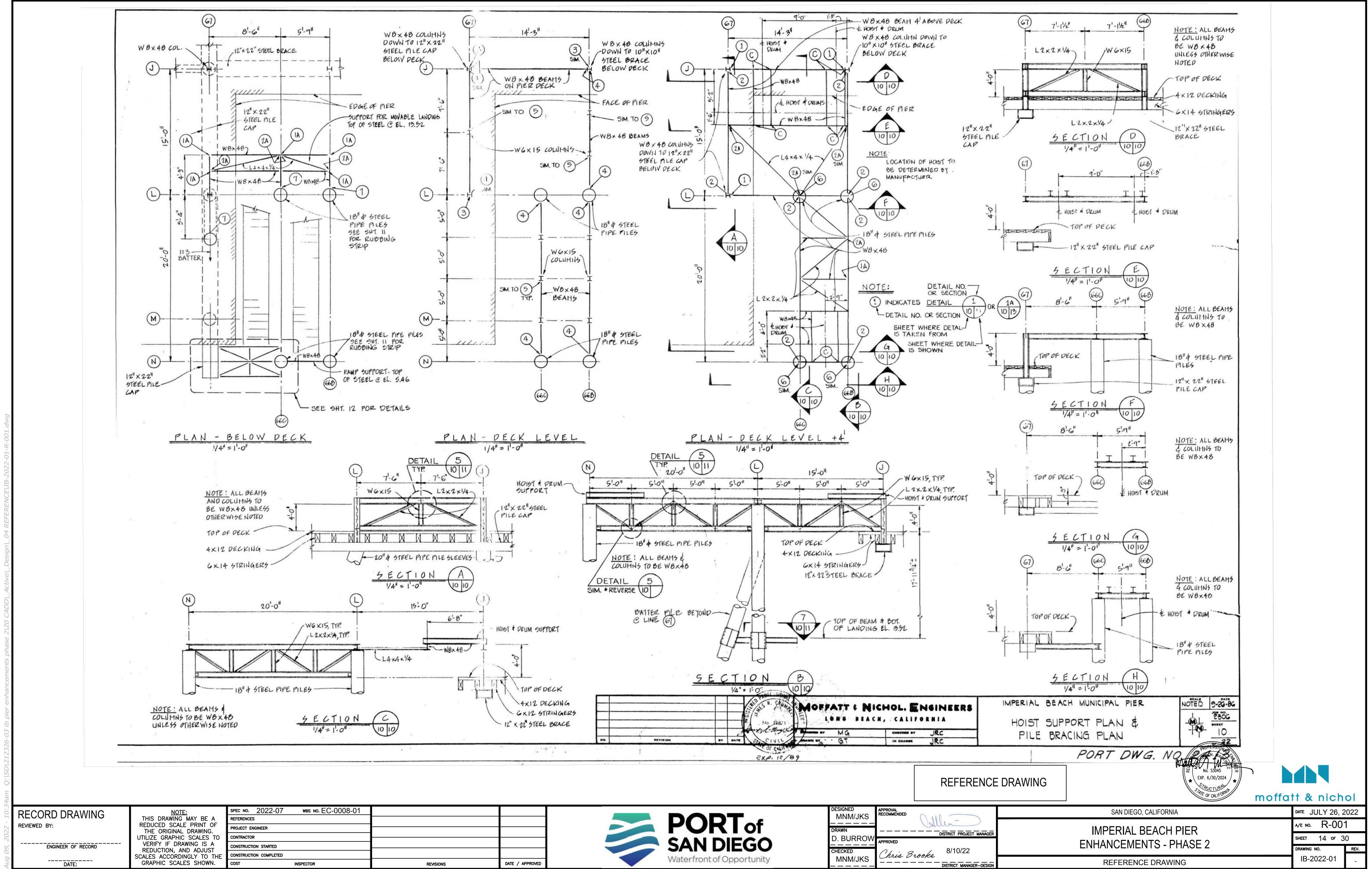
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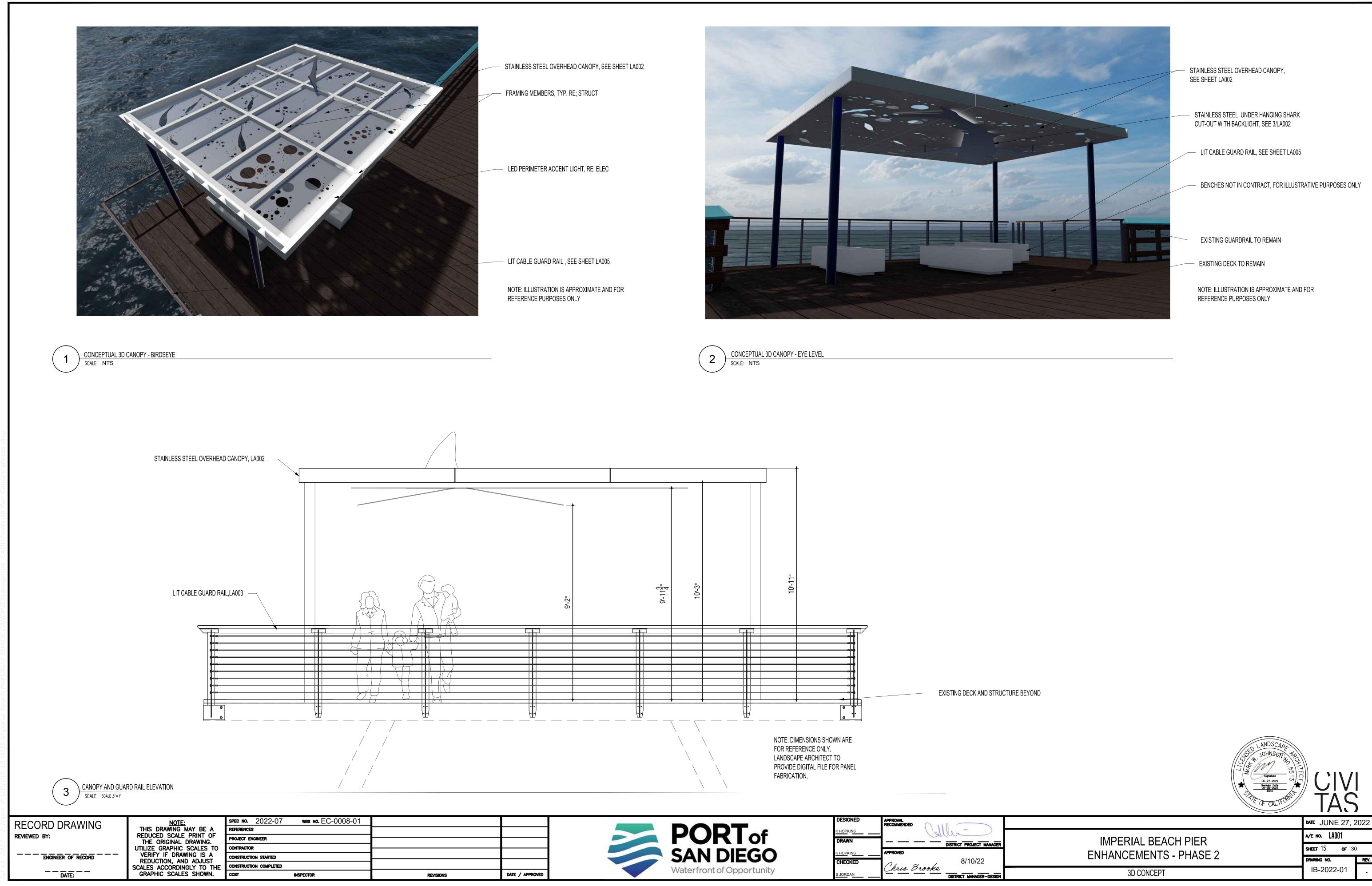
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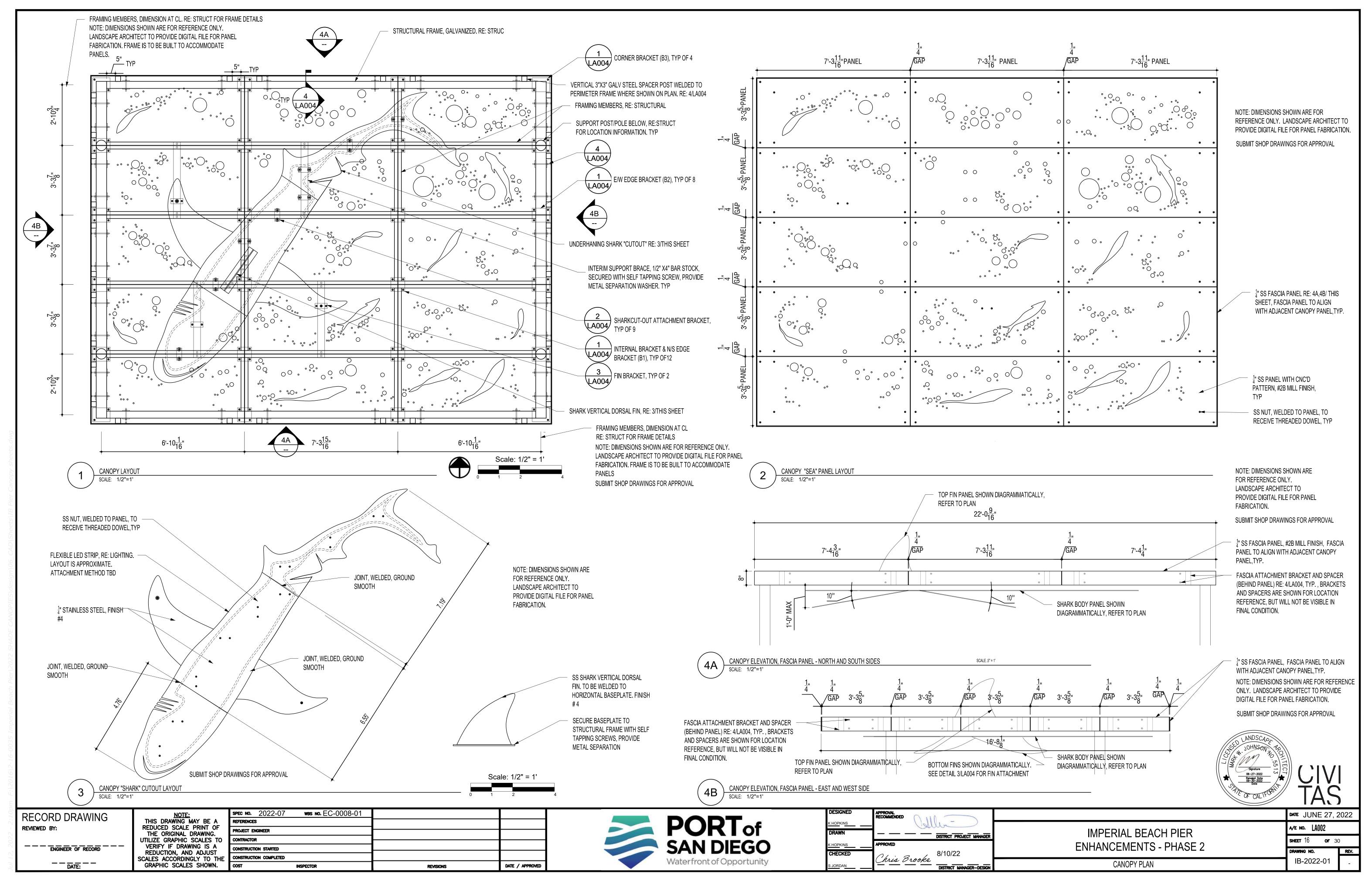


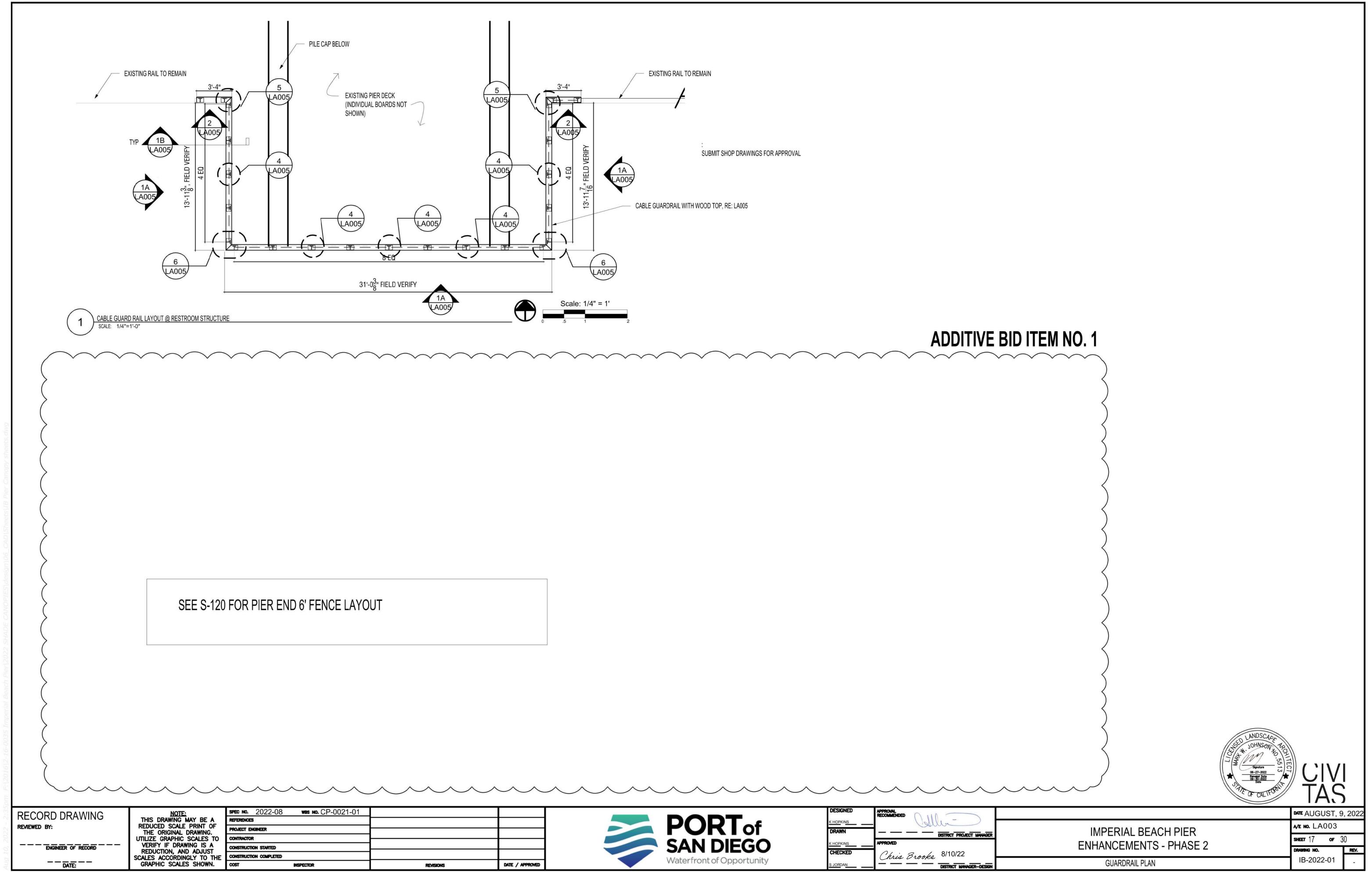


		PORT of	DESIGNED MNM/JKS DRAWN	APPROVAL RECOMMENDED	DISTRICT PROJECT
		SAN DIEGO Waterfront of Opportunity	D. BURROW	APPROVED Chris Brooke	8/10/22
NS	DATE / APPROVED				DISTRICT MANAGER

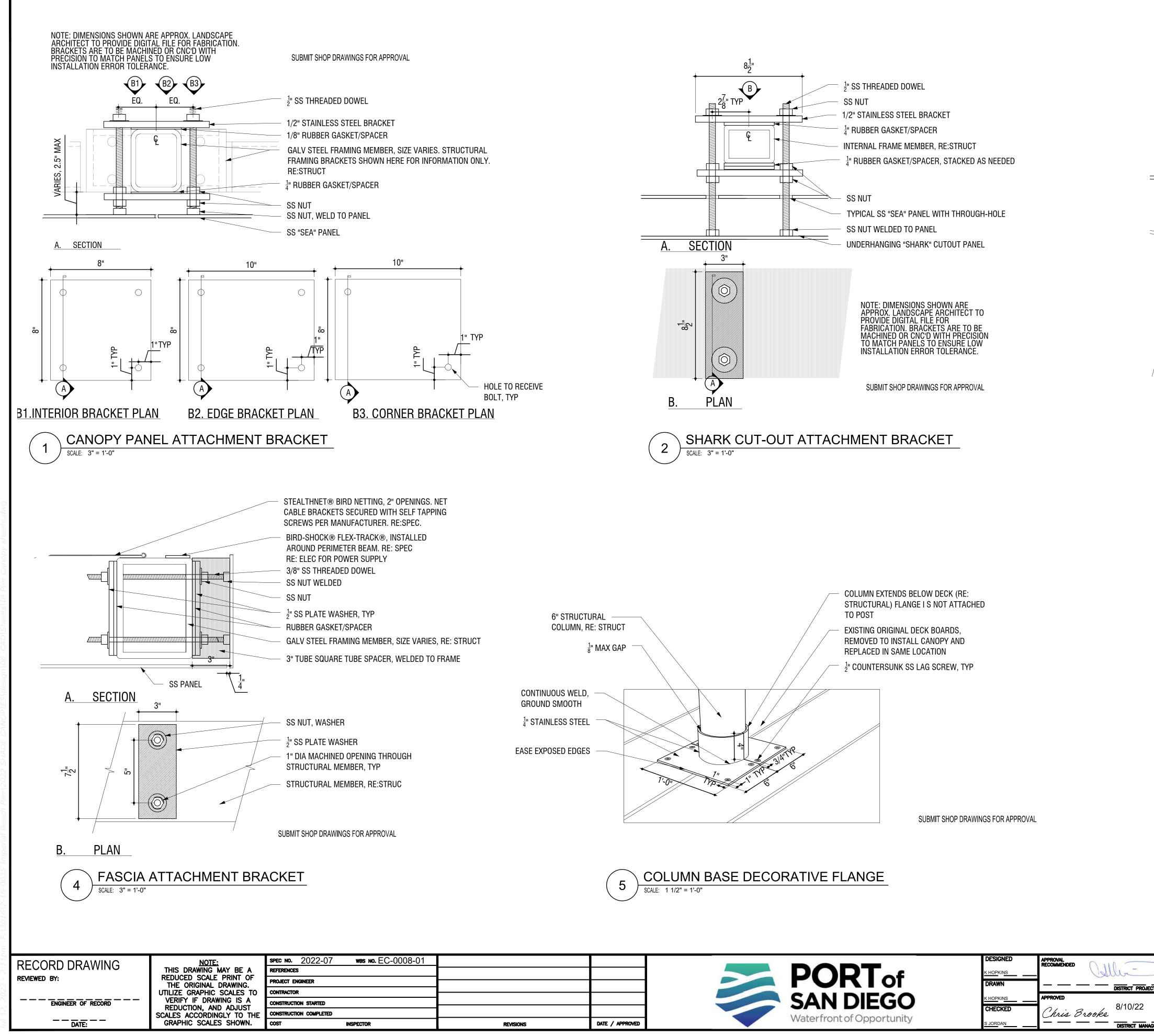


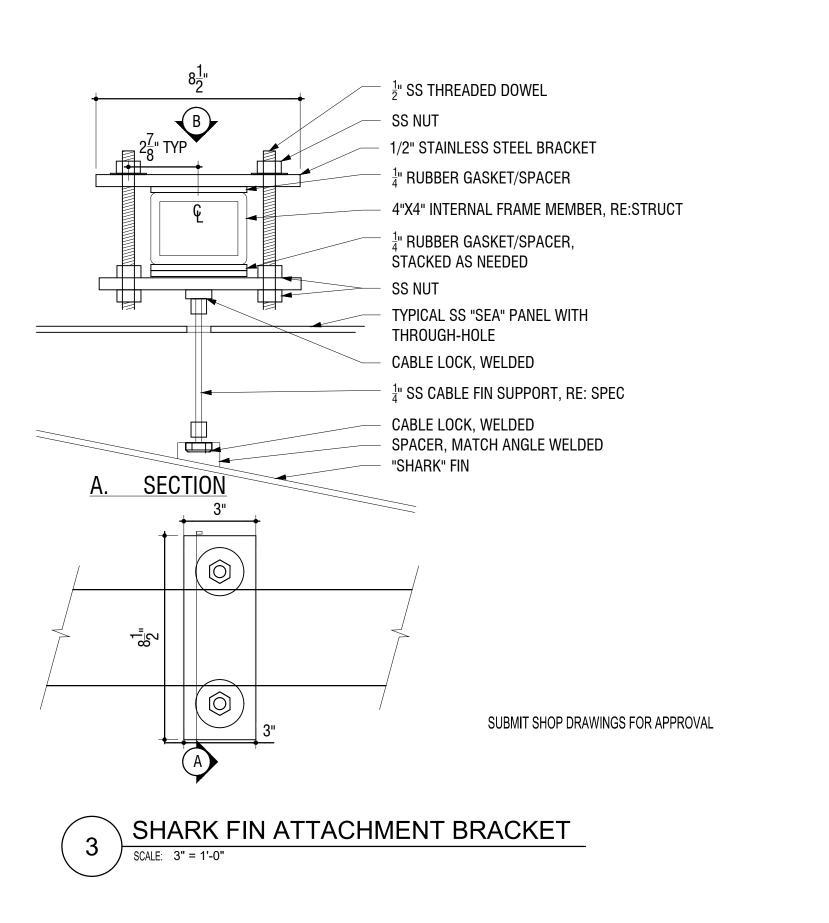
		DESIGNED			DATE JUNE 27, 2	2022
		Of <u>KHOPKINS</u>	Collo-	IMPERIAL BEACH PIER	a/e no. LA001	
			DISTRICT PROJECT MANAGER		Sheet 15 of 30)
	SAN DI		8/10/22	ENHANCEMENTS - PHASE 2		REV.
DATE / APPROVED	Waterfront of Opp	s jordan	CARIS Brooks DISTRICT MANAGER-DESIGN	3D CONCEPT	IB-2022-01	-

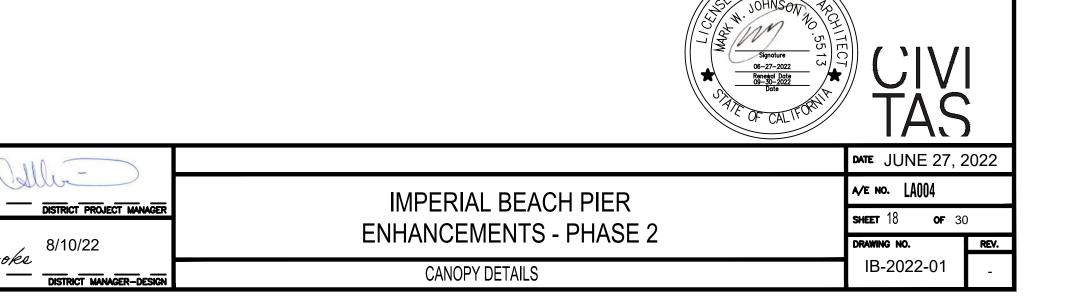


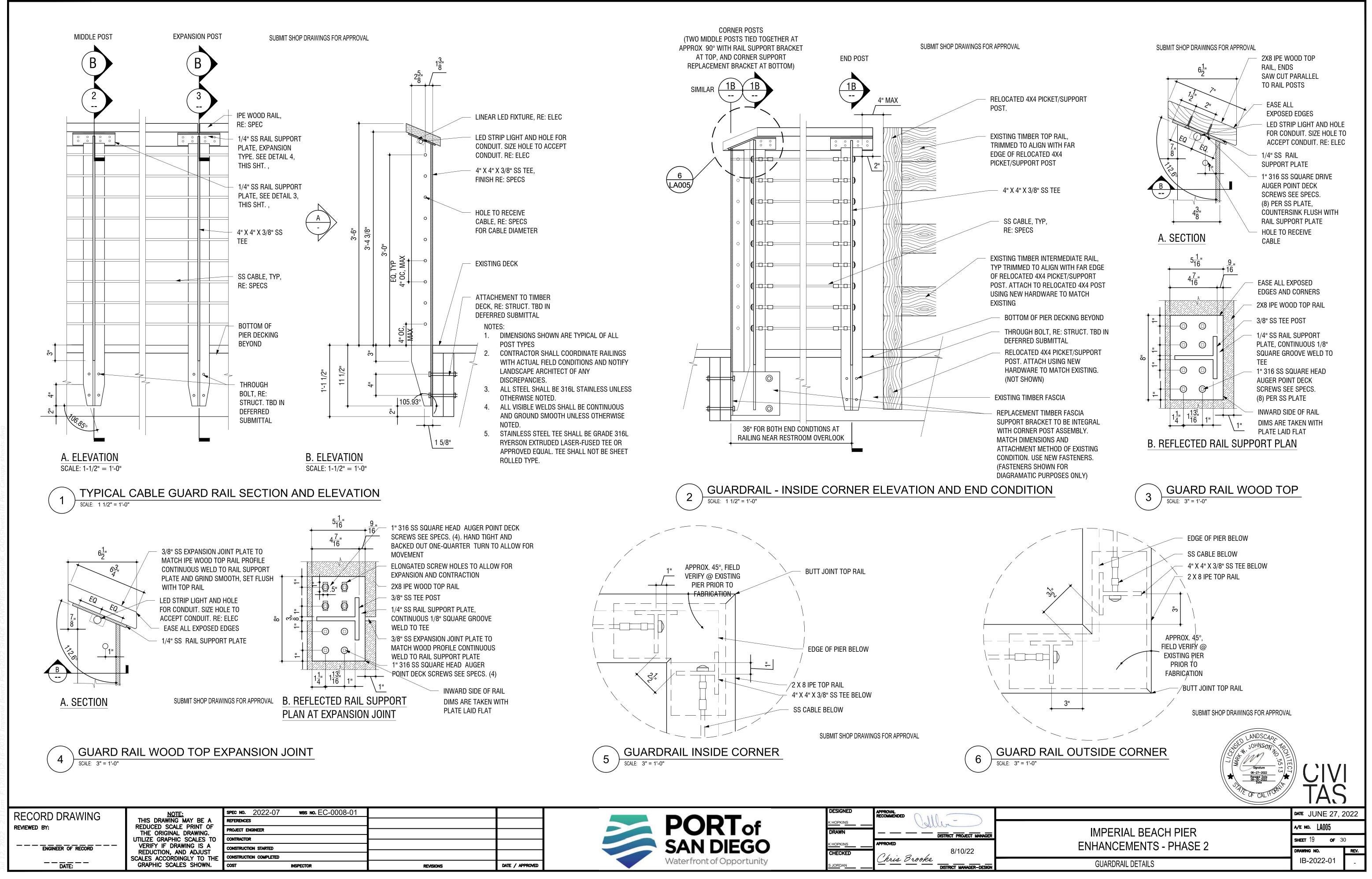


			DESIGNED	APPROVAL RECOMMENDED
				Colle-
			DRAWN	DISTRICT PROJECT
		SAN DIEGO		APPROVED
			CHECKED	Chris Brooke 8/10/22
ons	DATE / APPROVED	Waterfront of Opportunity	S JORDAN	DISTRICT MANAGE

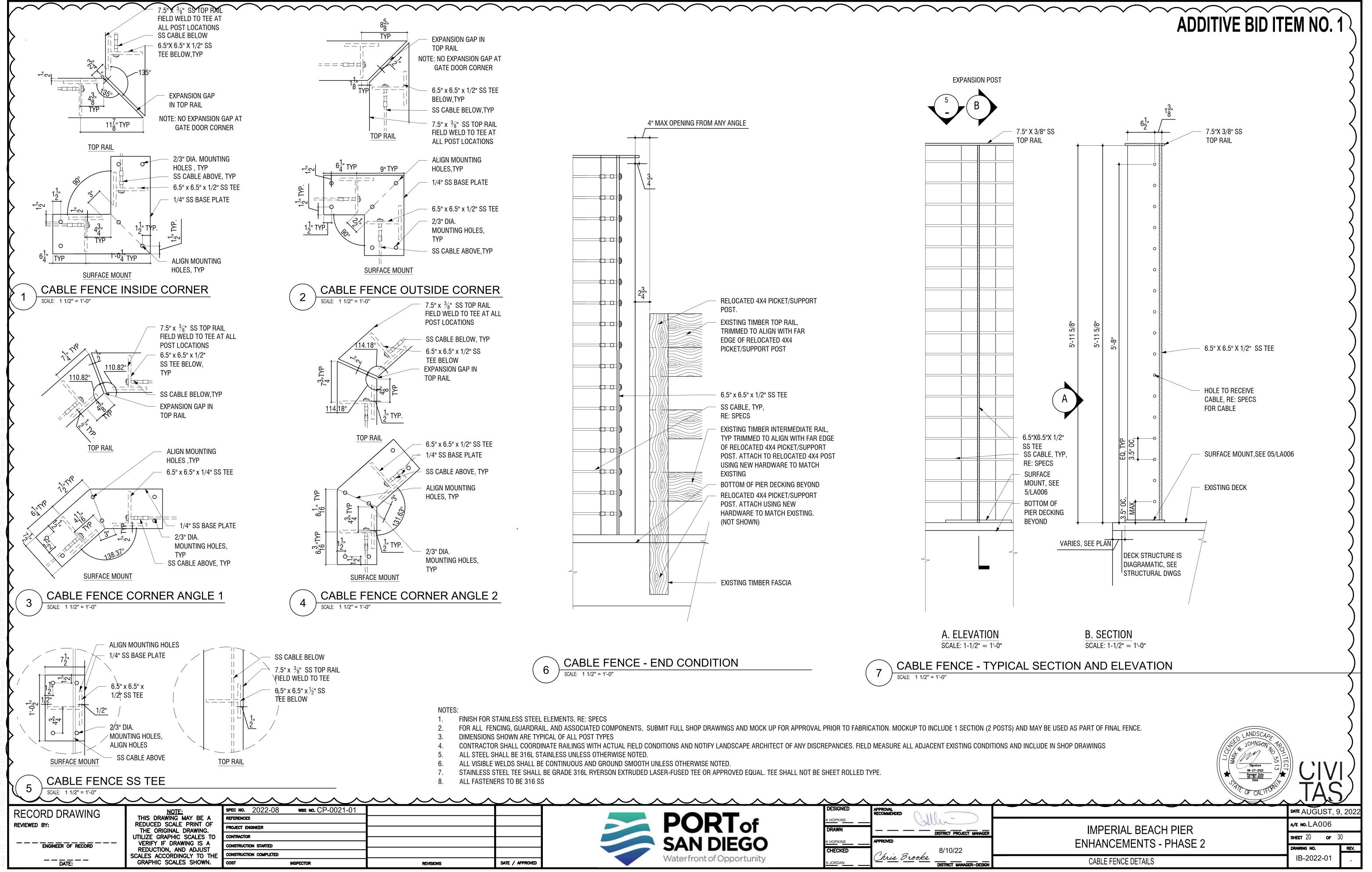




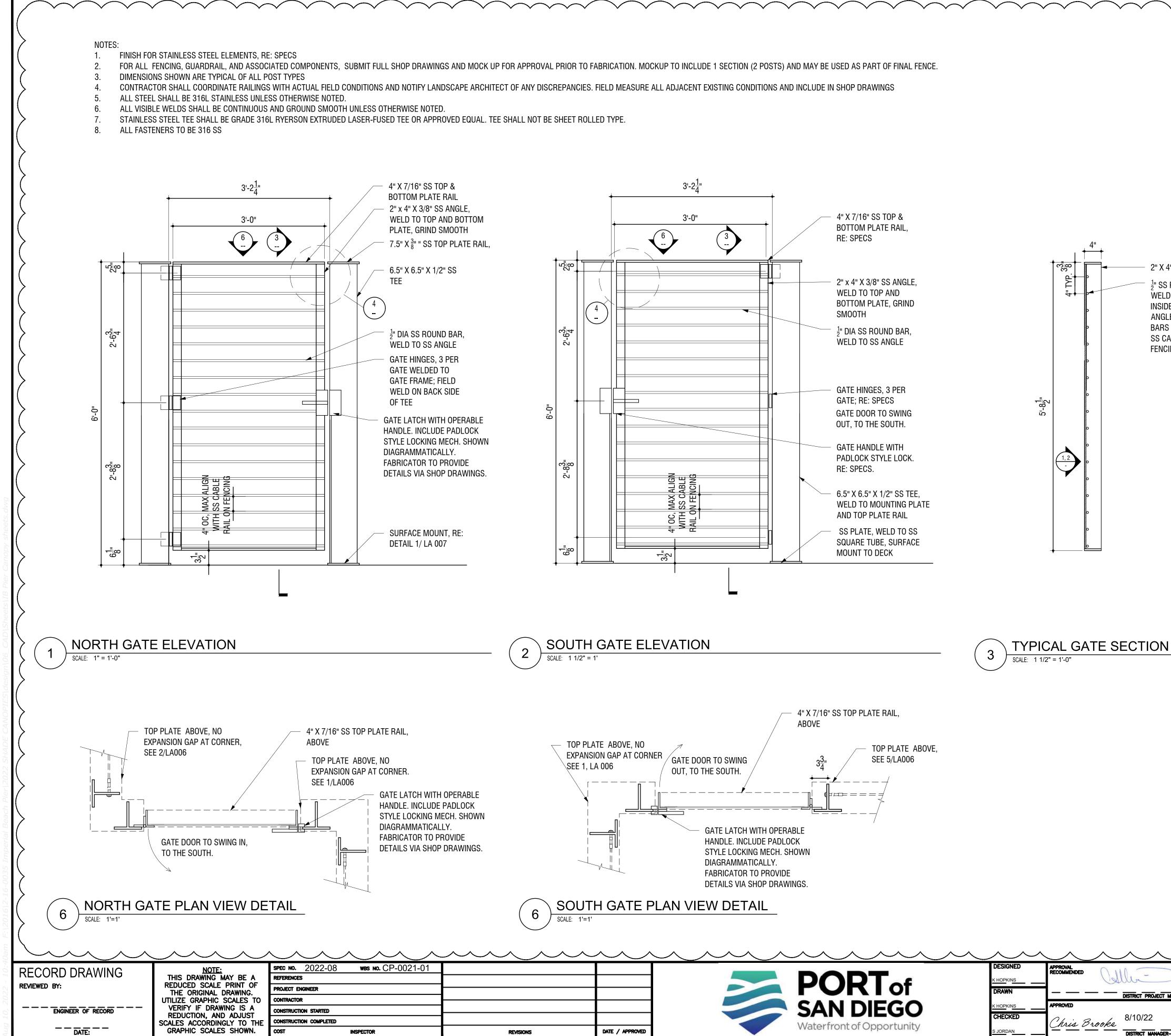


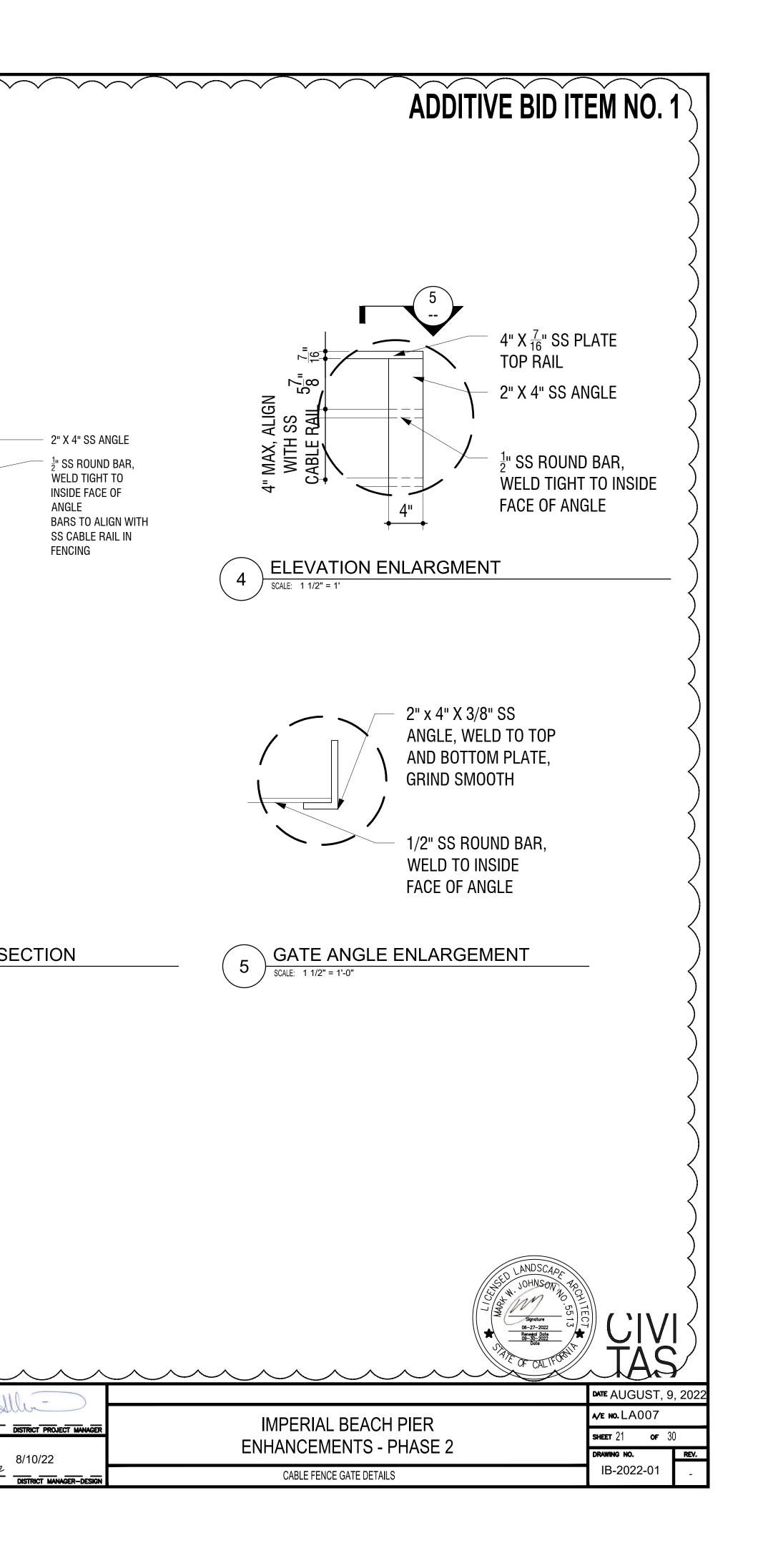


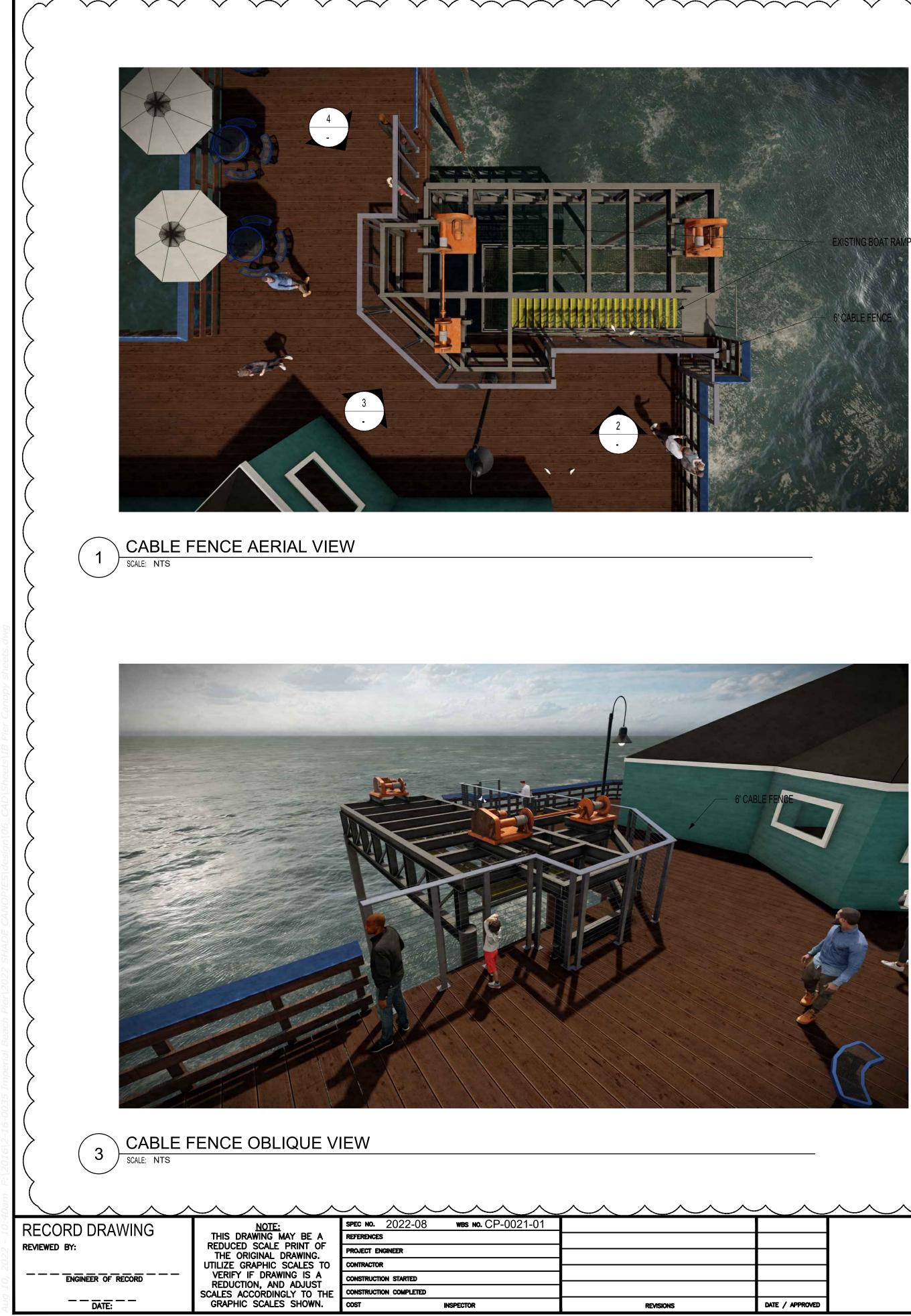
		PORT of		APPROVAL RECOMMENDED	DISTRICT PROJECT
		SAN DIEGO		APPROVED	
			CHECKED	Chris Brooks	8/10/22
ons	DATE / APPROVED	Waterfront of Opportunity	S JORDAN		DISTRICT MANAG



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			DESIGNED	APPROVAL RECOMMENDED	
		PORT of		. (all	lo-
		FURIO	DRAWN		DISTRICT PROJECT
		SAN DIEGO		APPROVED	
			CHECKED	Chris Brooks	8/10/22
sions	DATE / APPROVED	Waterfront of Opportunity	S JORDAN	Unis Drooke	DISTRICT MANAGE



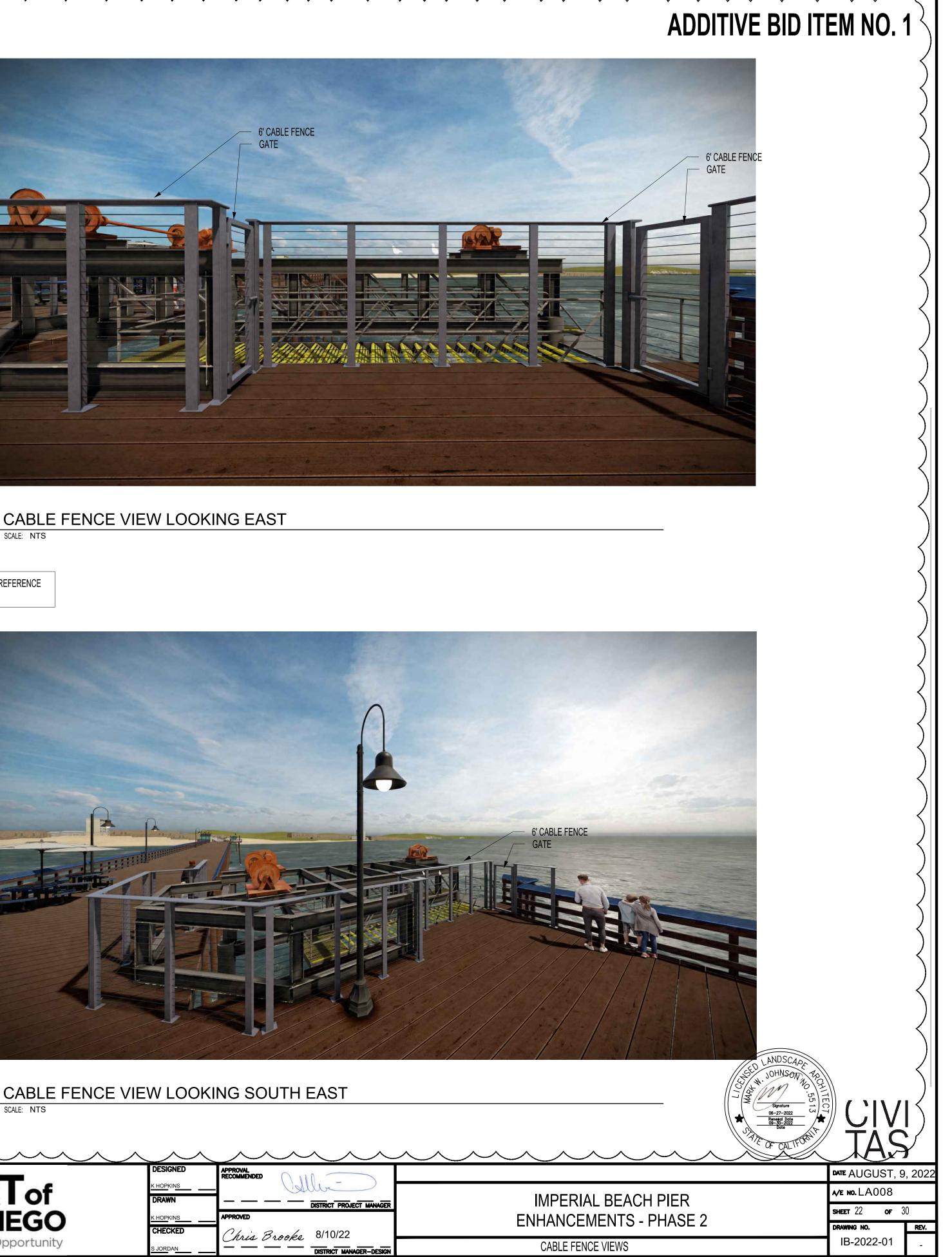


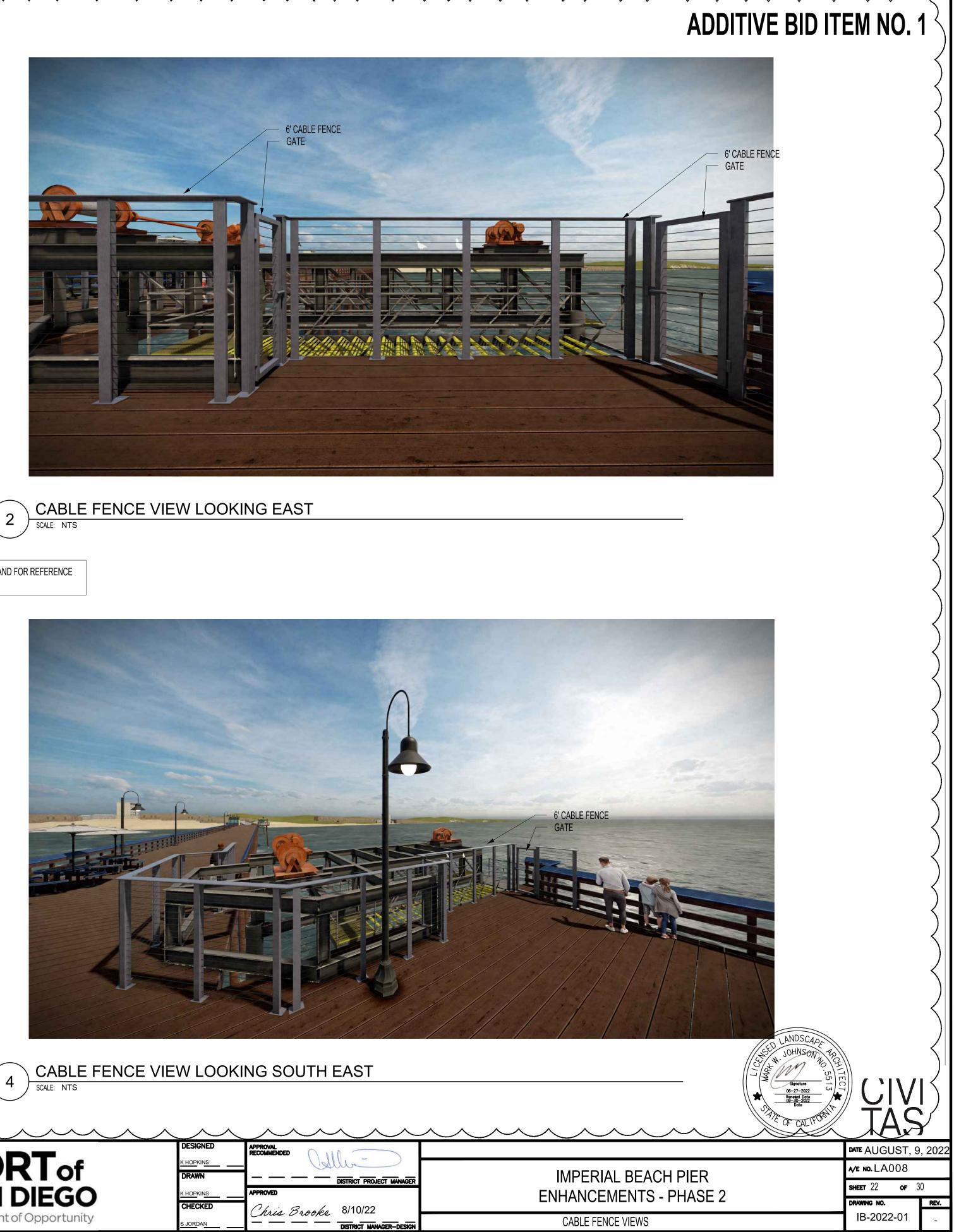




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ILLUSTRATIONS ARE APPROXIMATE AND FOR REFERENCE PURPOSES ONLY





		PORT of	DESIGNED <u>K HOPKINS</u> DRAWN	APPROVAL RECOMMENDED	
		SAN DIEGO		APPROVED	
			CHECKED	Chris Brooks	8/10/22
IS	DATE / APPROVED	Waterfront of Opportunity	S JORDAN		DISTRICT MANA

	ELECTRICAL GE	ENER	AL NOTES
1.	THE FOLLOWING GENERAL NOTES APPLY TO ALL ELECTRICAL DRAWINGS.		NSTALL ALL EQUIPMENT TO MEET SEISMIC REQU
2.	THE CONTRACTOR'S BID AND ALL WORK SHALL COMPLY WITH THE 2019 EDITION OF THE CALIFORNIA ELECTRICAL CODE AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL CODES. WHERE THE PLANS SHOWN MORE RESTRICTIVE REQUIREMENTS, THE PLANS SHALL GOVERN. HOWEVER, NOTHING ON THESE PLANS SHALL BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION. WHEN REFERENCES ARE MADE TO SPECIFIC CODE SECTIONS, STANDARDS, GUIDES, AND OTHER SIMILAR REFERENCES, THEY ARE INTENDED TO ADD EMPHASIS TO THE REQUIREMENTS OF THAT PARTICULAR REFERENCE AND ARE NOT INTENDED IN ANY WAY TO RELIEVE THE CONTRACTOR OF THE	16. (CONDUIT RUNS SHOWN TO SUIT FIELD CONDITIC PROVIDE PROPERLY SIZI CONDUCTORS SHOWN TO SEPARATE INSULATED EQ
3.	REMAINING REFERENCES. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND BY SUBMITTING A BID ACCEPTS CONDITIONS UNDER WHICH	f 19. f	SHALL BE PROVIDED, IN FOR ALL FEEDER AND E PROVIDE LAMINATED TYF
4.	THEY SHALL BE REQUIRED TO PERFORM THEIR WORK. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SET OF DRAWINGS AND SPECIFICATIONS. THEY SHALL CHECK THE DRAWINGS OF THE OTHER TRADES AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS AND DETERMINE THEIR RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELEASE THE CONTRACTOR FROM DOING THE WORK IN COMPLETE ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.	F (/	SWITCH. IDENTIFY LOAD PLASTIC NAMEPLATES TO CODE REQUIRED NAMEF DENTIFYING NAMEPLATE AND SHALL INSTALL INS NFORMATION: PANEL XXXX (NAME O
5.	THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH OTHER TRADES AT THE SITE. ANY COST TO ROUTE CONDUIT OTHER THAN AS SHOWN ON THE PLANS SHALL BE INCURRED BY THE CONTRACTOR.		MAIN CIRCUIT OR LUG VOLTAGE FED BY SOURCE DATE
6.	WHEREVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT DEVICES, CIRCUIT BREAKERS, TRANSFORMERS, GROUND FAULT PROTECTION SYSTEM, ETC. (ALL MATERIALS, ARISES ON THE DRAWINGS AND/OR SPECIFICATIONS), THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIALS AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON DRAWINGS AND/OR IN THE SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER OR ENGINEER.	, F (21. [NSTALL ALL CONDUITS A MANNER AS TO CONI ROOM, AND KEEP OPEN CODE REQUIREMENTS. DO NOT BORE, NOTCH, WRITTEN APPROVAL FRO
7.	THE ELECTRICAL DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS, FITTINGS, JUNCTION BOXES, PULL BOXES, AND EXPANSION FITTINGS REQUIRED TO MEET FIELD CONDITIONS. DETERMINE ACTUAL MATERIAL AND HARDWARE REQUIREMENTS AND VERIFY ALL DIMENSIONS, EXISTING EQUIPMENT, AND STRUCTURAL MEMBER LOCATIONS BY FIELD INSPECTION.	23. I	F EQUIPMENT SUBSTITU BE RESPONSIBLE FOR STRUCTURAL ENGINEER NTERRUPTION OF EXIST TO FACILITIES OCCUPIE
8.	SUBMIT SHOP DRAWINGS AND CATALOG CUTS FOR ALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH THE SPECIFICATIONS.	F	FOLLOWING CONDITIONS NOTIFY OWNER NO F INTERRUPTION OF EL
9.	PROVIDE A SET OF AS-BUILT DRAWINGS SHOWING THE LOCATIONS OF ALL UNDERGROUND CONDUITS AND INDICATE ALL CHANGES MADE DURING CONSTRUCTION AND ANY DEVIATIONS FROM THE ELECTRICAL DRAWINGS, IN ACCORDANCE WITH THE SPECIFICATIONS.		PROVIDE SCHEDULE DISTRICT WILL NOT E CONSTRUCTION PURF
10.	ALL MATERIALS AND EQUIPMENT SHALL BE UL LISTED AND LABELED AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.		SPLICING SHALL ONLY EPOXY SEAL KIT.
11.	ALL CIRCUIT BREAKERS, FUSES, AND ELECTRICAL EQUIPMENT SHALL HAVE INTERRUPTING RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT, TO WHICH THEY MAY BE SUBJECTED.		DISCONN
12.	UNLESS OTHERWISE NOTED, ALL DEVICES AND EQUIPMENT INSTALLED OUTSIDE OR IN DAMP LOCATIONS SHALL BE WEATHERPROOF WITH MARINE GRADE, CORROSION RESISTANT FINISH. THE FINISH FOR OUTDOOR, WEATHERPROOF, NEMA-3R ENCLOSURES SHALL HAVE ALL COVERS AND DOORS THOROUGHLY CLEANED USING A PHOSPHATE WASH. APPLY A ZINC RICH CORROSION RESISTANT PRIMER AND THEN A POLYESTER POWER COAT SUITABLE FOR MARINE ENVIRONMENT.		CIRCUIT B NUMBERS OF POL TRIP (AMPERES) FRAME (AMPERES) I.C. (1000 AMPS)
13.	CONNECTIONS TO DEVICES SUBJECT TO VIBRATION, SUCH AS MOTORS, TRANSFORMERS, AND SENSORS, SHALL BE SHORT LENGTHS OF LIQUIDTIGHT FLEXIBLE STEEL CONDUIT, TERMINATED WITH APPROVED LIQUIDTIGHT METAL FITTINGS AND PROVIDED WITH A SEPARATE GROUND CONDUCTOR INSTALLED WITH THE PHASE CONDUCTORS.		*
14.	UNLESS NOTED OTHERWISE, ALL WIRE SHALL BE COPPER, UL LISTED, RATED FOR 600 VOLTS, THE THHN/THWN-2 AND $\#12$ AWG MINIMUM SIZE. CONDUCTORS LARGER THAN $\#10$ AWG, SHALL BE STRANDED.		
BUSIN San TEI FA	Image: Structure of the second structure of the		
COF	NOTE: SPEC NO. 2022-07 WBS NO. EC-0008-01 REFERENCES - SCALE PRINT OF THE ORIGINAL PROJECT ENGINEER -		
PROJEC	T-MANAGER/ENGINEER DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC CONSTRUCTION STARTED - CONSTRUCTION COMPLETED -		

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ES	ELECTRICAL SYMBOLS
EQUIPMENT, LIGHTING FIXTURE, DEVICES, CONDUIT AND CONDUIT SUPPORTS	<u>GENERAL SYMBOLS</u>
SMIC REQUIREMENTS.	EII 따 속; DASHED SYMBOL INDICATES EXISTING FIXTURE, DEVICE, OUTLET OR EQUIPMENT TO REMAIN.
S SHOWN ARE DIAGRAMMATIC ONLY. INSTALL ALL CONDUITS AND FITTINGS	$\square igoplus $ solid symbol indicates new fixture, device, outlet.
CONDITIONS.	DASHED SYMBOL WITH HATCH INDICATES FIXTURE, DEVICE, OUTLET OR EQUIPMENT TO BE DEMOLISHED.
PERLY SIZED LUGS AT ALL CIRCUIT BREAKER PANELS, FOR THE SHOWN TO CONNECT TO THESE LUGS.	$ \bigoplus^{R} \bigoplus^{R} $ SYMBOL WITH "R" INDICATES RELOCATE(D) FIXTURE, DEVICE, OUTLET.
SULATED EQUIPMENT GROUNDING CONDUCTOR, SIZED PER NEC 250.122, OVIDED, INSTALLED IN THE SAME CONDUIT AS THE CIRCUIT CONDUCTORS,	
DER AND BRANCH CIRCUITS.	# KEY NOTE REFERENCE
NATED TYPE WRITTEN DIRECTORY CARD IN EACH PANEL AND SAFETY	42,000 SHORT CIRCUIT CURRENT, AMPS
TIFY LOAD SERVED BY EACH CIRCUIT BREAKER. PROVIDE LAMINATED EPLATES TO IDENTIFY ALL LOADS SERVED BY EQUIPMENT. IN ADDITION TO ED NAMEPLATES, CONTRACTOR SHALL PROVIDE PORT OF SAN DIEGO IAMEPLATE INFORMATION, WHICH IS PRINTED ON AN APPROPRIATE SURFACE, INSTALL INSIDE THE SWITCHBOARD/PANELBOARD WITH THE FOLLOWING	A DETAIL/SECTION DESIGNATION 3.4 SHEET WHERE DETAIL SECTION OR DETAIL IS SHOWN SHEET WHERE SECTION OR DETAIL IS USED
	PHOTO NUMBER DESIGNATION
(NAME OF PANELBOARD) T OR LUGS ONLY BUS RATING	SHEET PHOTO ON
	3/E39 DETAIL OR SECTION REFERENCES IN NOTES
JRCE	BUILDING WIRING & RACEWAY SYSTEMS
CONDUITS AND WIRES WITH A MINIMUM NUMBER OF BENDS AND IN SUCH	WIRING OR CONDUIT EXPOSED
S TO CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEAD	WIRING OR CONDUIT CONCEALED IN-DECK
EEP OPENINGS AND PASSAGEWAYS CLEAR, AND MEET ALL STRUCTURAL EMENTS.	SURFACE FLUSH
E, NOTCH, OR IN ANY WAY CUT INTO ANY STRUCTURAL MEMBER WITHOUT	GROUNDING ELECTRODE ⊢ GROUND BAR.
ROVAL FROM THE ENGINEER.	CB- ENCLOSED CIRCUIT BREAKER.
SUBSTITUTIONS ARE MADE BY THE CONTRACTOR, THE CONTRACTOR SHALL BLE FOR HAVING A CONCRETE PAD DESIGNED FOR THAT EQUIPMENT BY A	SINGLE LINE DIAGRAM
ENGINEER LICENSED IN THE STATE OF CALIFORNIA.	
OF EXISTING ELECTRIC SERVICE: DO NOT INTERRUPT ELECTRIC SERVICE OCCUPIED BY OWNER OR OTHERS UNLESS PERMITTED UNDER THE	SPLICE
ONDITIONS: NER NO FEWER THAN SEVEN (7) DAYS IN ADVANCE OF PROPOSED ON OF ELECTRIC SERVICE.	\square SPECIAL RECEPTACLE OUTLET WITH NEMA CONFIGURATION NUMBER AS NOTED.
CHEDULE OF DOWN TIME (SHUT DOWN PLAN). ILL NOT BE RESPONSIBLE FOR PROVIDING TEMPORARY POWER FOR ION PURPOSES.	PANEL PANELBOARD.
LL ONLY TAKE PLACE WITHIN A JUNCTION BOX AND WITH A SCOTCHCAST KIT.	TRANSFORMER – SINGLE LINE DIAGRAM
	CT; CURRENT TRANSFORMER BY SDG&E. NUMBER INDICATES QUANITY.
SCONNECT AND OVERCURRENT DEVICES	\triangle 3-PHASE, 3-WIRE DELTA CONNECTION.
CIRCUIT BREAKER SAFETY SWITCHES	Y 3-PHASE, 4-WIRE WYE CONNECTION (UNGROUNDED NEUTRAL)
S OF POLES 3 NUMBERS OF POLES 3	M KILOWATT HOUR METER
S OF POLES3NUMBERS OF POLES3IPERES)*FUSE SIZE (AMPS)*AMPERES)100RATING (AMPERES)100	
AMPS)10RATING (AMPERES)10010FUSE CLASS (UL)RK5	SUBSCRIPT ADJACENT TO LIGHTING LUMINAIRE
* "NA" INDICATES NON-AUTOMATIC C/B	INDICATE: 1,2,3 etc. = CIRCUIT NUMBERS
 * "NF" INDICATES NON-FUSED SWITCH * "50" INDICATES TRIP OR FUSE SIZE 	a,b,c etc. = SWITCH IDENTIFICATION
* "**" INDICATES FUSE SIZE PER	$NL = NIGHT/SECURITY LIGHT$ $\langle \# \rangle \qquad LUMINAIRE SCHEDULE REFERENCE$
MANUFACTURER'S RECOMMENDATION	LED LUMINAIRE, SURFACE MOUNTED UNDER CANOPY
	AND HANDRAIL.



ELECTRICAL ABBREVIATIONS					
A OR AMP	AMPERE				
AIC	AMPS INTERRUPTING CAPACITY				
C (CONDUIT				
C/B	CIRCUIT BREAKER				
CKT	CIRCUIT				
CU E	COPPER				
	ELECTRICAL CONDUIT EXISTING				
(E) G	GROUND				
GFI	GROUND FAULT INTERRUPTER				
HP	HORSEPOWER				
HZ	HERTZ				
J-BOX OR JB	JUNCTION BOX				
KAIC	THOUSAND AMPS INTERRUPTING CAPACITY				
KVA	KILOVOLT AMP				
KV	KILOVOLT				
KW LED	KILOWATT				
LED LFMC	LIGHT—EMITTING DIODE LIQUID TIGHT FLEXIBLE METAL CONDUIT				
M	MOTOR				
MAX	MAXIMUM				
MSB	MAIN SWITCHBOARD				
(N)	NEW				
ŇŹĂ	NOT APPLICABLE				
ŃÉMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION				
Р	POLE				
POC	POINT OF CONNECTION POINT OF DISCONNECTION				
POD	RED, GREEN, BLUE				
PH RGB	PHASE				
SCH	SCHEDULE				
TBD	TO BE DETERMINED				
TYP.	TYPICAL				
UL	UNDERWRITERS LABORATORY				
UON	UNLESS OTHERWISE NOTED				
V	VOLT				
VA	VOLT AMPERE WATT OR WIRE				
X OR EXIST.	EXISTING (EQUIPMENT)				

SHEET LIST TABLE				
SHEET NUMBER	SHEET TITLE			
E-001	ELECTRICAL LEGENDS, GENERAL NOTES			
E-002	LUMINAIRE SCHEDULE			
E-003	TITLE 24 LIGHTING COMPLIANCE FORMS-1			
E-004	TITLE 24 LIGHTING COMPLIANCE FORMS-2			
E-101	ELECTRICAL SITE PLAN			
E-201	ENLARGED PLANS			
E-501	ELECTRICAL DETAILS			
E-601	SINGLE LINE DIAGRAM			



SAN DIEGO UNIFIED PORT DISTRICT	DATE JUNE 27, 2022		
IMPERIAL BEACH PIER	A/E NO. E-001		
	SHEET 23 OF 30		
ENHANCEMENTS - PHASE 2	DRAWING NO. RE	V.	
ELECTRICAL LEGENDS, GENERAL NOTES	IB-2022-01 -		

CALLOUT	SYMBOL	LAMP	DESCRIPTION	MOUNTING	MODEL	INPUT WATTS	VOLTS
A	\frown	LED RGB	FLEXIBLE LED STRIP, COLOR-CHANGING IP-67/IP-68 RATED. BENDS AROUND CONTOURS AND TIGHT CURVES. UL LISTED FOR WET LOCATIONS. DIMMABLE THROUGH DMX CONTROLLER. 120 DEGREE (DOME) BEAM ANGLE. REFER TO DRAWINGS FOR FIXTURE LENGTH.	SURFACE	CORE LIGHTING: LNT-45-D-RGBW27-24V-IP67EF-HW3 (OR APPROVED EQUAL) DRIVER: PSHK-150W-24V-UNV (OR APPROVED EQUAL) CONTROLLER: RGB-DMX-4C-RJ45(OR APPROVED EQUAL)	4.4	120V 1P 2W
В		LED 2700K	LED STRIP LIGHT MOUNTED TO UNDERSIDE OF WOOD HANDRAIL. IP67 RATED AND UL LISTED FOR WET LOCATIONS. CLEAR LENS AND EXTRUDED ALUMINUM HOUSING. HOUSING DIMENSIONS 0.47" H X 0.36" W. REFER TO DRAWINGS FOR FIXTURE LENGTH.	SURFACE	CALIFORNIA ACCENT LIGHTING: LLED8000-STL-CL-3.6-10V-2.7K-IP67 (OR APPROVED EQUAL) DRIVER: DRV-E SERIES (OR APPROVED EQUAL)	3.6	120V 1P 2W



1 LUMINAIRE SCHEDULE SCALE: NO SCALE



BSE ENGINEERING, INC. 9903 BUSINESS PARK AVE, SUITE 104 San Diego, CA 92131 TEL: 858.800.6000 FAX: 858.800.6001 BSE PROJECT NO. 22-217-1023



RECORD DRAWING	NOTE:	SPEC NO. 2022-07	WBS NO. EC-0008-01	
	THIS DRAWING MAY BE A REDUCED	REFERENCES -		
REVIEWED BY:	SCALE PRINT OF THE ORIGINAL	PROJECT ENGINEER -		
	DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A	CONTRACTOR -		
PROJECT-MANAGER/ENGINEER	REDUCTION, AND ADJUST SCALES	CONSTRUCTION STARTED -		
	ACCORDINGLY TO THE GRAPHIC	CONSTRUCTION COMPLETED	-	
DATE	SCALES SHOWN.	COST -	INSPECTOR -	REVISIONS

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DESIGNED	APPROVAL RECOMMENDED	
A. BROWN		
DRAWN	X. XXXX PROJECT MANAGER	
J. CARNAHAN	APPROVED	
CHECKED	Chris Brooks 8/10/22	
B. WOUTERS	X. XXXX ENGINEERING/CONSTRUCTION DEPARTMENT MANAGER	



SAN DIEGO UNIFIED PORT DISTRICT	DATE JUNE 27, 2022
IMPERIAL BEACH PIER	A/E NO. E-002
ENHANCEMENTS - PHASE 2	SHEET 24 OF 30
ENHANCEMENTS - PHASE Z	DRAWING NO. REV.
LUMINAIRE SCHEDULE	IB-2022-01 -

NRCC-LTO-E CERTIFICATE OF COMPLIANCE					NRCC-L
Project Name: Project Address:		Report Pag Date Prepa			(Page 1 6 6/6/2
A. GENERAL INFORMATION					0, 0, -
01 Project Location (city)		01	Total Illuminated L	ardsonna Aron (ft ²) 665	
02 Climate Zone	7			ardscape Area (ft ²) 665	
03 Outdoor Lighting Zone per Title 24 Pa □ LZ-0: Very Low - Undeveloped Parkland			-	e reviewed by CA Energy Com	mission for Approval
LZ-1: Low - Developed Parkland		High - Urban Areas	•		
B. PROJECT SCOPE					
This table includes outdoor lighting systems <u>§141.0(b)2L</u> for alterations.	that are within the scope of t	the permit application and are	demonstrating cor	npliance using the prescriptive	path outlined in <u>§140.7</u> or
My Project Consists of:					
01	Mu	st Comply with Allowances fro	om §140 7	02	
Altered Lighting System		our alteration increasing the c		oad (Watts)?	Yes 🔵 No
03 % of Existing Luminaires Bein	g Altered ¹	04 um Total of Luminaires Being A	dded or Altered		05 on Method
□ < 10% □ >= 10% and < 50			aded of Altered	Calculation	
Please proceed to Table F. Outdoor Lighting ¹ FOOTNOTES: % of Existing Luminaires Bein					
Registration Number: CA Building Energy Efficiency Standards - 2019 N STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E CERTIFICATE OF COMPLIANCE Draiott Name	Nonresidential Compliance	Registration Date/Ti Report Version: 201: Schema Version: rev Report Pag	9.1.003 20200601		Registration Provider: Energys ort Generated: 2022-06-06 14:17 ALIFORNIA ENERGY COMMISS NRCC-LT (Page 4 of
Project Name: Project Address: H. OUTDOOR LIGHTING CONTROLS This table demonstrates compliance with co. existing to remain (ie untouched) and luming		Date Prepa	red: ed as part of the pe		6/6/2 n projects, luminaires which d
Project Address: H. OUTDOOR LIGHTING CONTROLS This table demonstrates compliance with co	aires which are removed and notes section of this table mus	Date Prepa w or altered luminaires install reinstalled (wiring only) do no	red: ed as part of the pe t need to be include ontrols section of th	ed in this table even if they are	6/6/2 n projects, luminaires which o within the spaces covered by
Project Address: H. OUTDOOR LIGHTING CONTROLS This table demonstrates compliance with co- existing to remain (ie untouched) and lumino the permit application. When an option having a * is selected, the n "DOES NOT COMPLY" if the notes are left bloc Mandatory Controls	aires which are removed and notes section of this table mus ank.	Date Prepa w or altered luminaires install reinstalled (wiring only) do no st be completed. The lighting c	red: ed as part of the pe t need to be include ontrols section of the nedule	ed in this table even if they are ne Compliance Summary Table	6/6/2 n projects, luminaires which o within the spaces covered by on the first page will show 05 Field Inspector
Project Address: H. OUTDOOR LIGHTING CONTROLS This table demonstrates compliance with co- existing to remain (ie untouched) and lumine the permit application. When an option having a * is selected, the n "DOES NOT COMPLY" if the notes are left bloc Mandatory Controls 01	aires which are removed and notes section of this table mus ank. 02 Shut-Off	Date Prepa w or altered luminaires install reinstalled (wiring only) do no st be completed. The lighting c 03 Auto-Sch	red: ed as part of the pe t need to be include ontrols section of to nedule (<u>c)2</u>	ed in this table even if they are ne Compliance Summary Table 04 Motion Sensor	6/6/2 n projects, luminaires which o within the spaces covered by on the first page will show 05
Project Address: H. OUTDOOR LIGHTING CONTROLS This table demonstrates compliance with colexisting to remain (ie untouched) and lumined the permit application. When an option having a * is selected, the n "DOES NOT COMPLY" if the notes are left block Mandatory Controls 01 Area Description HANDRAIL LIGHTING CANOPY LIGHTING	aires which are removed and notes section of this table mus ank. 02 Shut-Off §130.2(c)1 Photocontrol Photocontrol	Date Prepa ew or altered luminaires install reinstalled (wiring only) do no st be completed. The lighting c 03 Auto-Sch §130.2 Yes Yes	red: ed as part of the pe t need to be include controls section of to nedule (<u>c)2</u>	ed in this table even if they are ne Compliance Summary Table 04 Motion Sensor <u>§130.2(c)3</u>	6/6/2 n projects, luminaires which o within the spaces covered by on the first page will show 05 Field Inspector Pass Fail
Project Address: H. OUTDOOR LIGHTING CONTROLS This table demonstrates compliance with co- existing to remain (ie untouched) and lumine the permit application. When an option having a * is selected, the n "DOES NOT COMPLY" if the notes are left blo Mandatory Controls 01 Area Description HANDRAIL LIGHTING	aires which are removed and notes section of this table mus ank. 02 Shut-Off §130.2(c)1 Photocontrol Photocontrol space below explaining how com	Date Prepa ew or altered luminaires install reinstalled (wiring only) do no st be completed. The lighting c 03 Auto-Sch §130.2 Yes Yes	red: ed as part of the pe t need to be include controls section of to nedule (<u>c)2</u>	ed in this table even if they are ne Compliance Summary Table 04 Motion Sensor <u>§130.2(c)3</u> Exempt*	6/6/2 n projects, luminaires which o within the spaces covered by on the first page will show O5 Field Inspector Pass Fail
Project Address: H. OUTDOOR LIGHTING CONTROLS This table demonstrates compliance with co- existing to remain (ie untouched) and lumino the permit application. When an option having a * is selected, the n "DOES NOT COMPLY" if the notes are left blo Mandatory Controls 01 Area Description HANDRAIL LIGHTING CANOPY LIGHTING * NOTES: Controls with a * require a note in the s	aires which are removed and notes section of this table mus ank. 02 Shut-Off §130.2(c)1 Photocontrol Photocontrol space below explaining how com	Date Prepa ew or altered luminaires install reinstalled (wiring only) do no st be completed. The lighting o 3 Auto-Sch §130.2 Yes pliance is achieved. 30.2(c)3	red: ed as part of the pe t need to be include controls section of to nedule (<u>c)2</u>	ed in this table even if they are ne Compliance Summary Table 04 Motion Sensor <u>§130.2(c)3</u> Exempt*	6/6/2 n projects, luminaires which o within the spaces covered by on the first page will show O5 Field Inspector Pass Fail
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	·												
COMPLIANCE RESULTS					GHTING FIXTURE SCHEDU								
sults in this table are automatically calculated from data input and calculation Table D. Exceptional Conditions for guidance or see applicable Table reference		says "COMPLIES with Exceptional Co	onditions" refer	covered by the p	d lighting systems demonstra ermit application are included	in the Table below. For al	ered lighting syste	ms using the Exis	ting Power meth	od per <u>§141.0(</u>	(b)2L only new	luminaires being	
		Compliance Results		replacement lun Designed Watta	inaires being installed as part	of the project scope are i	icluded (ie, existing	luminaires rema	ining or existing	luminaires bei	ing moved are n	ot included).	
General	Evisting	08	09	01	02	03	04	05	06	07	08	09	10
Hardscape + Application + Frontage + Ornamental +	Area OR Power = Total Alloy	wed ≥ Total Actual	anut he se 00			10/	How is	Tatal aurahan	Luminaire	5		Cutoff Req. >	Field
<u>140.7(d)1</u> (See Table I) (See Table K) (See Table L)	(Watts)	s) (Watts) 07	' must be >= 08	Name or Item Tag	Complete Luminaire Des	cription Watts p	Wattage	Total number luminaires ²	Luminaire Status ³	Excluded per §140.7(a)	Design Watts	6,200 initial lumen output	Inspector
See Table I)	(See Table N)	3 > 411.2	COMPLIES		TYPE A - 4.4W LED STRIP		determined					<u>§130.2(b)</u> ⁴ NA: < 6200	Pass Fail
			N/A	A	LIGHT	Linear 4.4	CEC Default	46	New		202.4	lumens	
Controls Compliance (See	Table H for Details)	COMPLIES with Except	ional Conditions	В	TYPE B - 3.6W LED STRIP LIGHT	🗆 Linear 3.6	CEC Default	58	New		208.8	NA: < 6200 lumens	
EXCEPTIONAL CONDITIONS									Total I	Design Watts:	411.2		
is table is auto-filled with uneditable comments because of selections made o	r data entered in tables throughout the form.				s with a * require a note in the s hting a statue; EXCEPTION 2 to §		ompliance is achieve	d.					
ADDITIONAL REMARKS					ority Having Jurisdiction may ask								
is table includes remarks made by the permit applicant to the Authority Havin	ng Jurisdiction.			³ Select "New" for	res, wattage should be indicated new luminaires in a new outdoor	ighting project, or for added	luminaires in an alte	ration. Select "Alter	red" for replaceme	nt luminaires in	an alteration. Se		
				for existing lumina the project scope.	res within the project scope that	are not being altered and are	remaining. Select "l	xisting Reinstalled'	for existing lumin	aires which are l	being removed a	าd reinstalled as po	art of
					mandatory cutoff requirements is	required for luminaires with	initial lumen output	>= 6,200 unless exe	empted by <u>§130.2(</u>	<u>b)</u>			
				G. CUTOFF REC	UIREMENTS (BUG)								
				This section doe	not apply to this project.								
gistration Number: Building Energy Efficiency Standards - 2019 Nonresidential Compliance	Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601	Registration Prov Report Generated: 2022	vider: Energysoft 2-06-06 14:17:48	Registration Num CA Building Energ	ber: y Efficiency Standards - 2019 No	residential Compliance	Report	ation Date/Time: Version: 2019.1.00 a Version: rev 2020				Registration Provid Generated: 2022-0	
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oject Name:	Report Page:		(Page 5 of 8)	Project Name:				Report Page:					(Page 6 of 8
oject Address:	Date Prepared:		6/6/2022	Project Address:				Date Prepared:					6/6/2022
LIGHTING DOWER ALLOWANCE (por \$140.7.)					LLOWANCE: PER SPECIFIC								
is table includes areas using allowance calculations per <u>§140.7</u> . General Hards	lscape	01			es areas using the wattage all		rom <u>Table 140.7-B</u>	. More than one s	specific area allo	wance may be	e taken in a sing	le project, if app	licable.
owance is per <u>Table 140.7-A</u> while "Use it or lose it" Allowances are per <u>Table</u>	2 <u>140.7-B</u> . ⊠ General "Use it or lose it" Allow				e specific area allowances ma	y not be taken for the exa	ct same area on th	e site.				(485)	
nt qualify for one of the "Use it or lose it" allowances shall not qualify for anot	ther "Use Allowance Application Sal		Area		01	02	03 CALCULATED	04 0 ALLOWANCE (Wa	05 06	07 DES	08 SIGN WATTS	09	10
or lose it" allowance.	Table I (below) Table J	Table K Table L	Table M	Area	Description	cific Area Type per <u>Table</u>	ISpecific Areal	Allowed Ex	a norden a norden a norden a norden a	I Watts p	per # of		Additional Allowance
	, 1 & 4)					<u>140.7-B</u>	(f+2)1	Density Allow (W/ft ²) (Wa	vance Name atts) Item Ta	or Luminai		es Design Watts	(Watts)
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nis section does not apply to this project. alculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2		08 9	10							Total Design W	Vatts for this Are		
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alculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 02 03 04 Are	ea Wattage Allowance (AWA) Area V	Linear											
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	DRAWN	P
SAN DIEGO	J. CARNAHAN	A
	CHECKED	I.
Waterfront of Opportunity	B. WOUTERS	Ĕ

DATE / APPROVED

DESIGNED	APPROVAL RECOMMENDED	
A. BROWN	Caller-	
DRAWN	X. XXXX PROJECT MANAGER	
J. CARNAHAN	APPROVED	
CHECKED	Chris Brooks 8/10/22	
B. WOUTERS	X. XXXX ENGINEERING/CONSTRUCTION DEPARTMENT MANAGER	

SAN DIEGO UNIFIED PORT DISTRICT	DATE JUNE 27, 20)22
IMPERIAL BEACH PIER	A/E NO. E-003	
ENHANCEMENTS - PHASE 2	SHEET 25 OF 3	30
LINIANCLIVILINIS - FHASE Z	DRAWING NO.	REV.
TITLE 24 LIGHTING COMPLIANCE FORMS-1	IB-2022-01	-

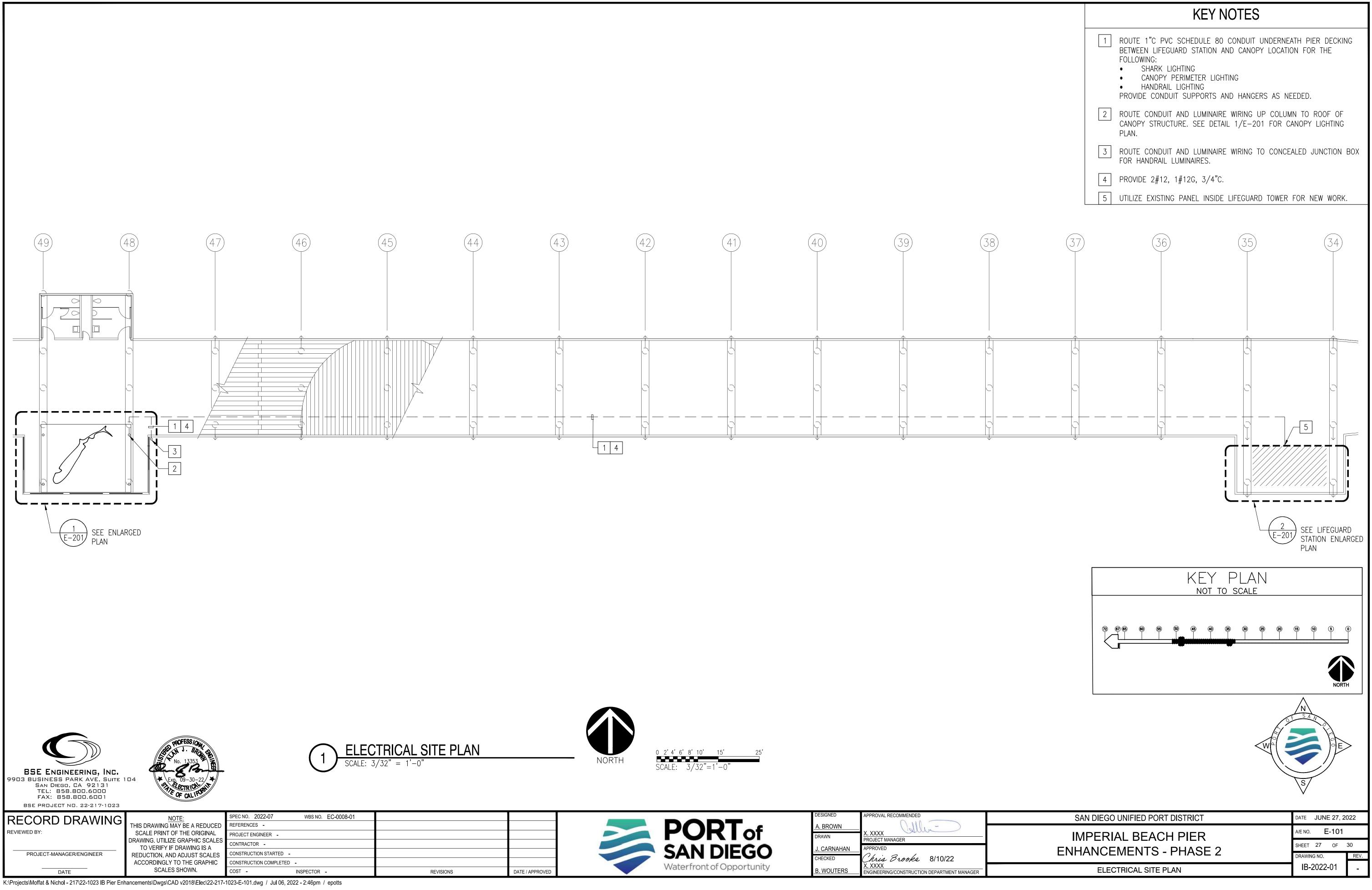
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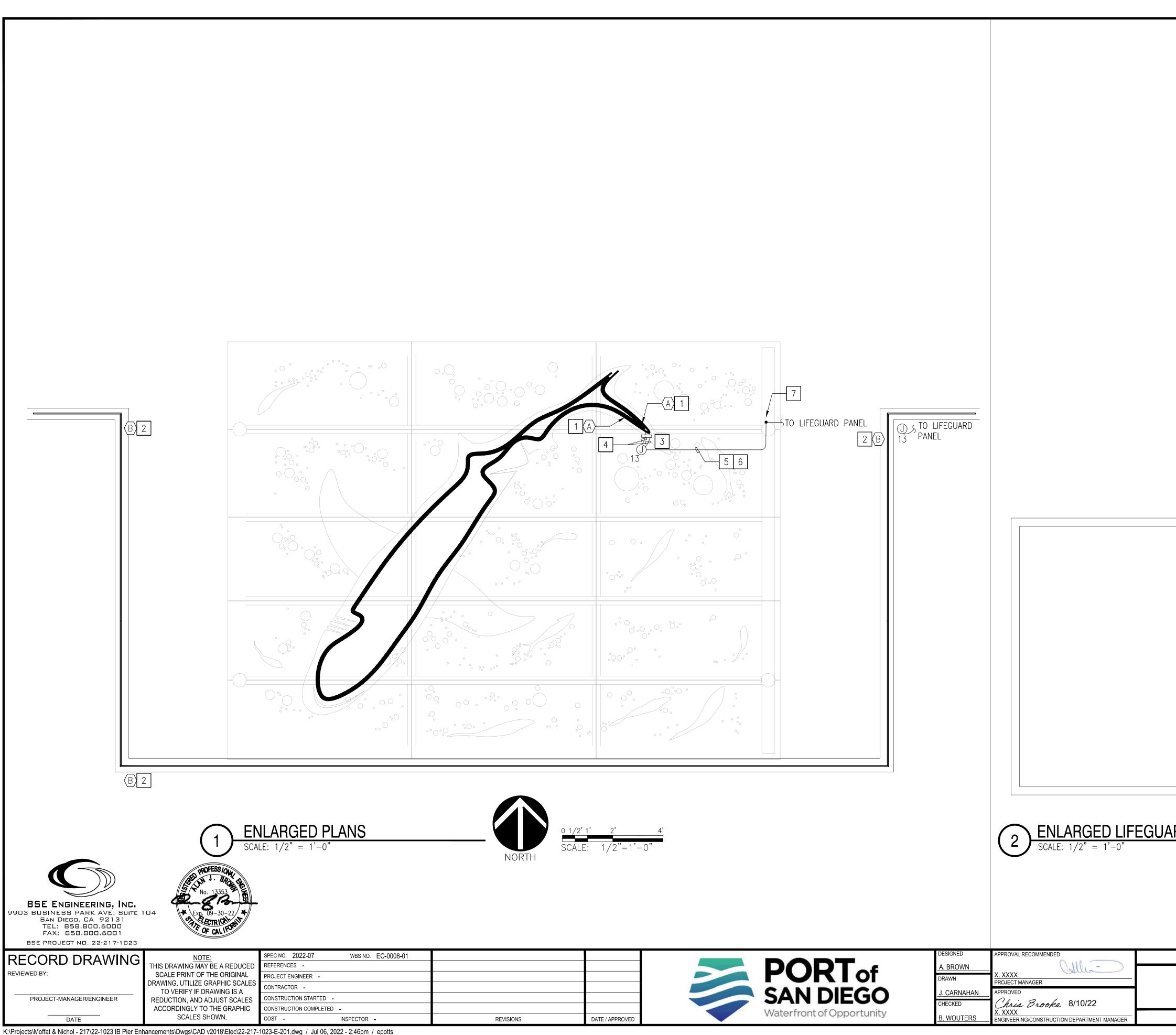




SAN DIEGO UNIFIED PORT DISTRICT	DATE JUNE 27, 202	2
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TITLE 24 LIGHTING COMPLIANCE FORMS-2	IB-2022-01	-

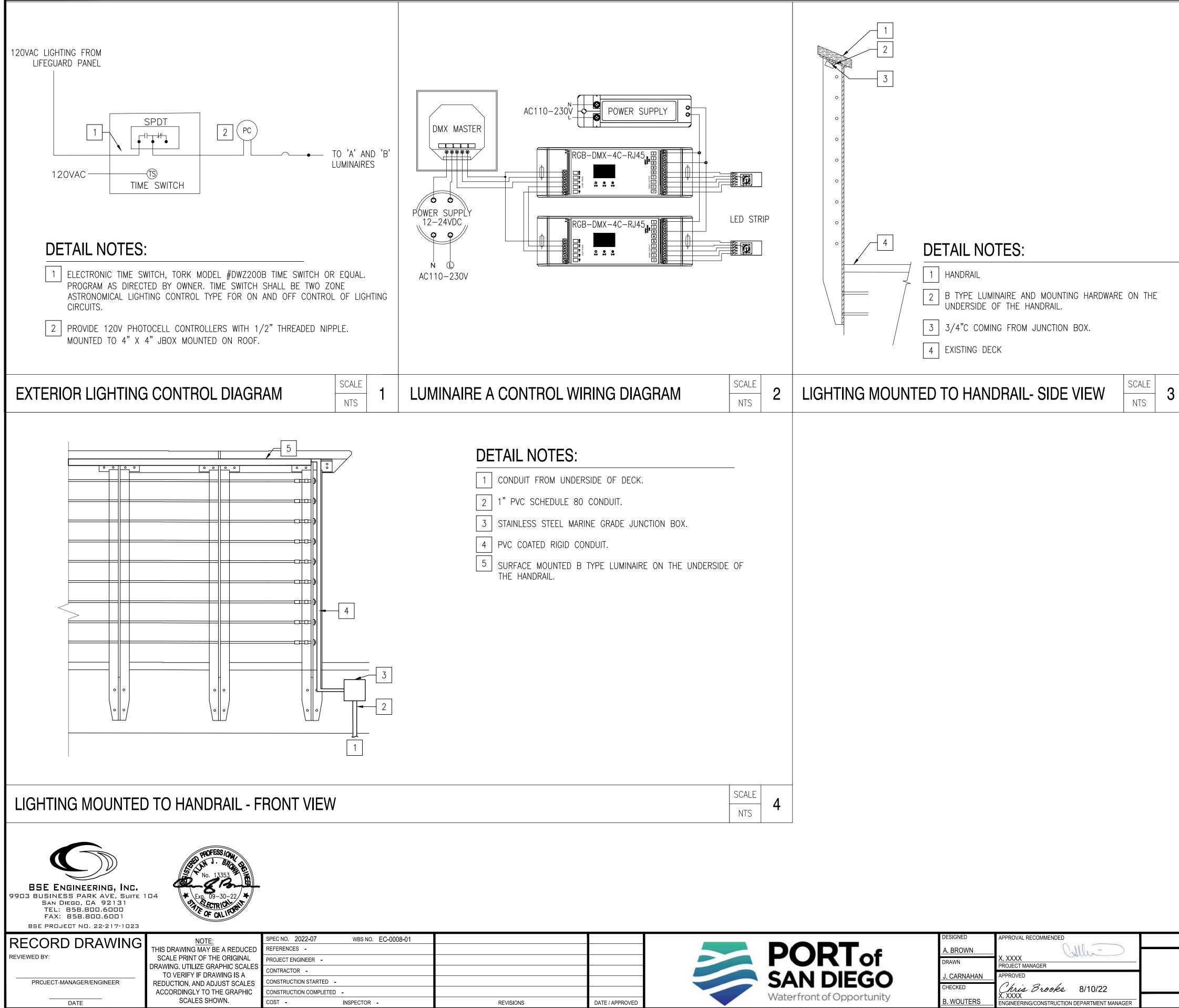


BEGIGINEB	ATTROVAERECONNIENDED	
A. BROWN	Calle-	
DRAWN	X. XXXX	
DIVAWIN	PROJECT MANAGER	
J. CARNAHAN	APPROVED	
CHECKED	Chris Brooks 8/10/22	
B. WOUTERS	X. XXXX ENGINEERING/CONSTRUCTION DEPARTMENT MANAGER	



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	KEY NOTES	
	1 PROVIDE CONTINUOUS RUN OF TYPE A LUMINAIRES MOUNTED IN BETWEEN DROP DOWN SHARK ACCENT CANOPY. MOUNTING SHALL FOLLOW THE SHAPE OF PROVIDE JUNCTION BOXES, DRIVERS, AND ANY OTH ACCESSORIES CONCEALED ABOVE THE CANOPY WITH OVER THE CANOPY DESIGN OPENINGS. REFER TO L SCHEDULE ON SHEET E-002 FOR ADDITIONAL FIXT INFORMATION.	F PIECE AND THE SHARK. IER LIGHTING HOUT CROSSING LUMINAIRE
	2 PROVIDE CONTINUOUS RUN OF TYPE B LUMINAIRE UNDERSIDE OF THE HANDRAIL. REFER TO 3/E-501 FOR MOUNTING. PROVIDE STAINLESS STEEL JUNCTIO DRIVERS, AND ANY OTHER LIGHTING ACCESSORIES ALONG THE UNDERSIDE OF THE HANDRAIL. REFER SCHEDULE ON SHEET E-002 FOR ADDITIONAL FIXT INFORMATION.	AND 4/E-501 ON BOXES, CONCEALED TO LUMINAIRE
	3 PROVIDE REMOTE DRIVER IN STAINLESS STEEL WEA ENCLOSURE WITH WATER-TIGHT FITTINGS.	THERPROOF
	4 PROVIDE PVC COATED FLEXIBLE CONDUIT FOR CON	NECTIONS.
	5 ROUTE CONDUIT ABOVE THE CANOPY WITHOUT CRO THE CANOPY DESIGN OPENINGS.	SSING OVER
	6 PROVIDE 2#10, 1#10G, 3/4"C.	
	7 FEED TRAVELING UP THE POLE FROM LIFEGUARD S	STATION.
	8 PROVIDE 120V POWER TO DMX CONTROLLER RGB- A LUMINAIRES IN LOCKABLE ENCLOSURE. CONTROL SCENE PROGRAM CAPABILITY. REFER TO DETAIL 2/ WIRING DIAGRAM.	LER SHALL HAVE
	9 PROVIDE TIME CLOCK FOR TYPE B LUMINAIRES. RE 1/E-501 FOR WIRING DIAGRAM.	FER TO DETAIL
8	TIMECLOCK 9	
LIFEGUAR	RD-13 (E) LIFEGUARD PANEL	
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RD STATION	N PLAN 0 1/2' 1' 2' 4' SCALE: 1/2"=1'-0"	N E SAN
	NORTH	
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٩٨	N DIEGO UNIFIED PORT DISTRICT	DATE JUNE 27, 2022
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	ENLARGED PLANS	IB-2022-01 -

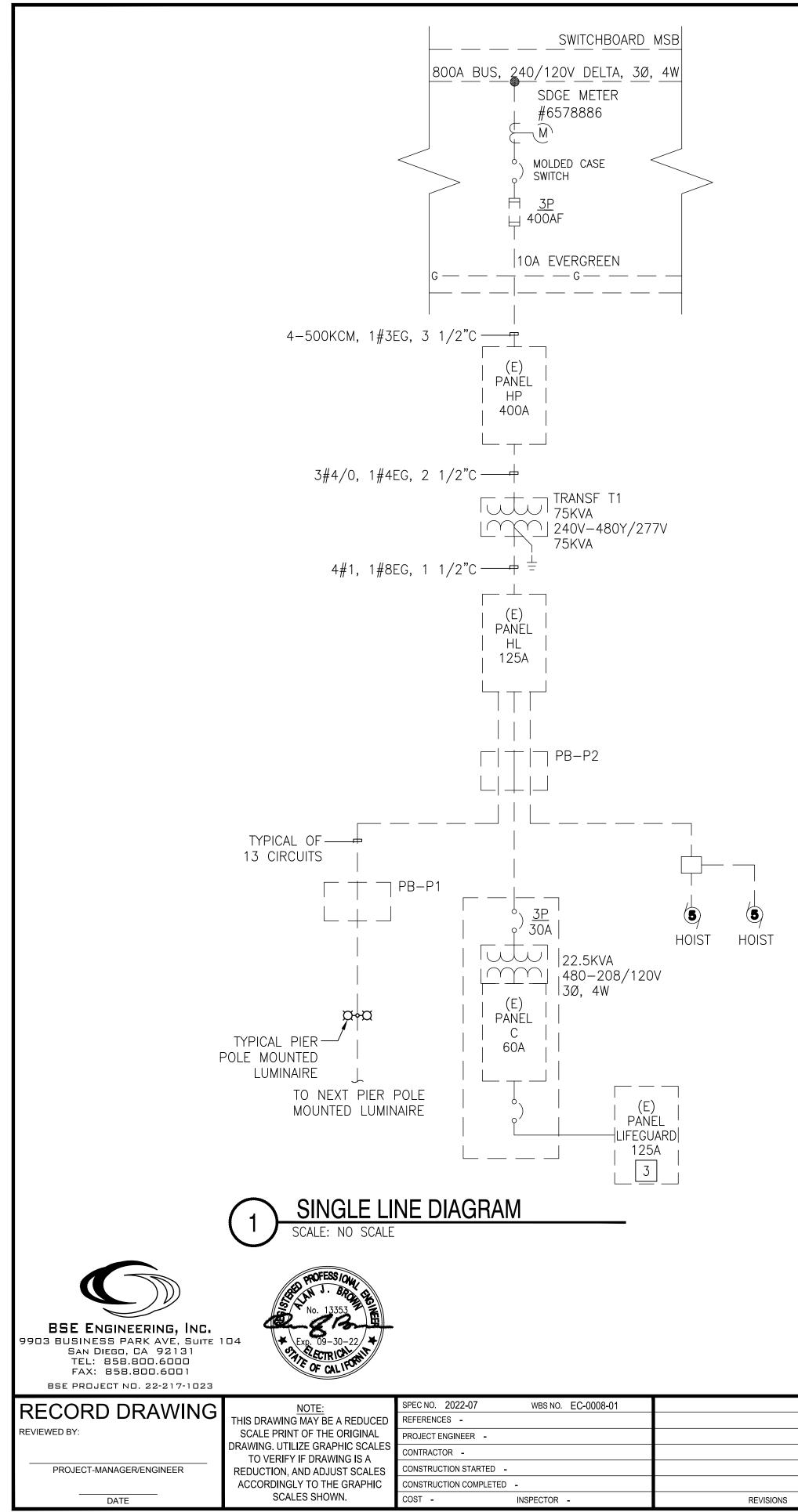


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		DESIGNED	APPROVAL RECOMMENDED	
		A. BROWN	Calle-	
		DRAWN	X. XXXX PROJECT MANAGER	
	SAN DIEGO	J. CARNAHAN	APPROVED	
		CHECKED	Chris Brooks 8/10/22 X. XXXX	
DATE / APPROVED	Waterfront of Opportunity	B. WOUTERS	X XXXX ENGINEERING/CONSTRUCTION DEPARTMENT MANAGER	



SAN DIEGO UNIFIED PORT DISTRICT	DATE JUNE 27, 20)22
IMPERIAL BEACH PIER	A/E NO. E-501	
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ELECTRICAL DETAILS	IB-2022-01	-



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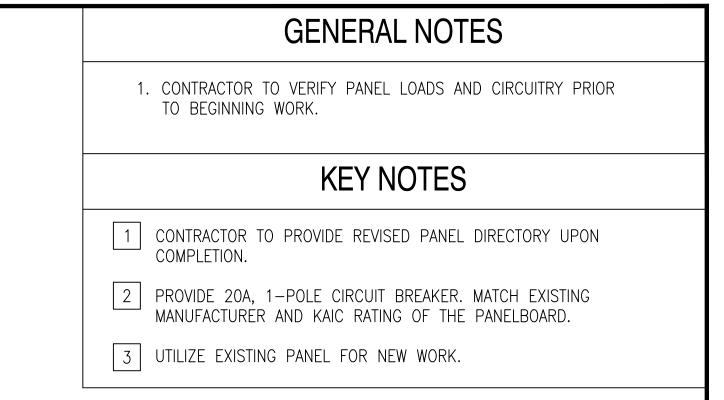
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			GEST MOTOR	0	0		(N/A)				TING	0	0		(N/A)	
			ER MOTORS	0	0		(100%)				DLING	0	0		(N/A)	
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DATE / APPROVED

DESIGNED	APPROVAL RECOMMENDED	
A. BROWN	Calle-	
DRAWN	X. XXXX PROJECT MANAGER	
J. CARNAHAN	APPROVED	
CHECKED	Chris Brooke 8/10/22	
B. WOUTERS	X. XXXX ENGINEERING/CONSTRUCTION DEPARTMENT MANAGER	





SAN DIEGO UNIFIED PORT DISTRICT	DATE JUNE 27, 2022	
IMPERIAL BEACH PIER	A/E NO. E-601	
ENHANCEMENTS - PHASE 2	SHEET 30 OF 30	
	DRAWING NO. REV. IB-2022-01 -	
SINGLE LINE DIAGRAM		