FERNDALE PRESERVE LAKE COUNTY, FLORID **OBSERVATION TOWER / FISHING PIER AND CANOE/KAYAK**

DEVELOPMENT REVIEW

PROJECT # 2007110012 APPLICATION REQUEST #
PROJECT NAME: Ferndale Preserve - Observation Tower/Fishing Pier & Canoe/Kayak Launce
ALTERNATE KEY #1590540ORDINANCE #2008-40
REVIEWER PLASE SIGN AND DATE BELOW
PLANNING AND ZONING:
COMMENTS:
ENVIRONMENTAL:
COMMENTS:
LANDSCAPE:
COMMENTS:
CONCURRENCY:
COMMENTS:
BUILDING SERVICES:
COMMENTS:
FIRE:
COMMENTS:
DEPARTMENT OF HEALTH:
COMMENTS:
PUBLIC WORKS DEPARTMENT:
COMMENTS:
PRELIMINARY/FINAL DEVELOPMENT REVIEW
APPROVAL:
DATE: DIRECTOR, OFFICE OF PLANNING AND ZONING (OR DESIGNEE)



PROJECT CONTACTS:

OWNER:

LAKE COUNTY BOARD OF COUNTY COMMISSIONERS 315 WEST MAIN ST. P.O. BOX 7800 TAVARES, FLORIDA 32778

ARCHITECT

POWELL STUDIO ARCHITECTURE, LLC 713 W. MONTROSE STREET CLERMONT, FL 34711 PH: (352) 874-2340 FAX: (877) 680-7183 CONTACT: JEFF POWELL, AIA, ARCHITECT EMAIL: jeff@powellstudioarch.com AA# 26002236

LOCATION MAP

ELECTRICAL

TLC ENGINEERING SOLUTIONS 7370 CABOT COURT, SUITE 103 MELBOURNE, FL 32940 PH: (321) 877-4232 CONTACT: BILL NANCE EMAIL: bill.nance@tlc-eng.com

TLC ENGINEERING SOLUTIONS 7370 CABOT COURT, SUITE 103 MELBOURNE, FL 32940 PH: (321) 877-4232 CONTACT: DAVID C. VIELE, JR. PE EMAIL: david.viele@tlc-eng.com NO. :522010

LAKE COUNTY BOARD OF COUNTY COMMISSIONERS

- DISTRICT 1 DOUGLAS SHIELDS
- DISTRICT 2 SEAN PARKS
- DISTRICT 3 KIRBY SMITH
- DISTRICT 4 LESLIE CAMPIONE
- DISTRICT 5 JOSH BLAKE





STRUCTURAL

CIVIL

HALFF ASSOCIATES, INC. 902 NORTH SINCLAIR AVENUE TAVARES, FL 32778 PH: (352) 557-9226 CONTACT: TAYLOR JOHNSON EMAIL: taylor.johnson@halff.com

HEET #	TITLE
A1.0	ARCHITECTURAL COVER SHEET
CIVIL	ENGINEERING
01	COVER SHEET
02	MASTER PLAN
03	SITE PLAN
04	AERIAL PLAN
05	FISHING PIER PROFILE
06	CANOE / KAYAK LAUNCH PROFILE
ARC	HITECTURAL
A1.1	PROJECT DATA / SYMBOL / LEGEND NOTES
A3.0	OVERALL FLOOR PLAN
A3.1	FIRST FLOOR PLAN
A3.2	SECOND FLOOR PLAN / ROOF PLAN
A4.1	ELEVATIONS
A5.1	PIER SECTION / DETAILS
A6.1	ENLARGED STAIR FLOOR PLANS / DETAILS
A7.1	PLATFORM DETAILS
A7.2	DETAILS
ELEC	CTRICAL ENGINEERING
E-001	ELECT. SYMBOLS LIST GENERAL NOTES & ELECT. PLAN
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S001	STRUCTURAL ABBREVIATIONS AND SYMBOLS
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S101A	PILE LOCATION PLAN
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S102A	1ST FLOOR FRAMING PLAN
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S103	UPPER FLOOR AND ROOF FRAMING PLAN
S301	STRUCTURAL ELEVATIONS
S501	STRUCTURAL DETAILS
S502	STRUCTURAL DETAILS

DA
(LAUNCH

SITE ADDRESS: 19220 COUNTY ROAD 455 FERNDALE, FLORIDA 34715

PARCEL ID: 262126000300000100

ALT KEY: 1590540

LEGAL DESCRIPTION

GOVERNMENT LOT IN SECTION 26 TOWNSHIP 21 SOUTH RANGE 26 EAST, AND THE EAST 990 FEET OF GOVERNMENT LOT 7, AND THE NORTH 1/2 OF GOVERNMENT LOT 14 IN SECTION 27 TOWNSHIP 21 SOUTH RANGE 26 EAST, AND BEGIN AT THE SOUTH 1/4 CORNER OF SECTION 27 TOWNSHIP 21 SOUTH RANGE 26 EAST, RUN NORTH 89-46-10 WEST ALONG THE SOUTH LINE OF THE SOUTHWEST 1/4 OF SECTION 27 A DISTANCE OF 768.62 FEET TO THE SOUTHEAST CORNER OF A PARCEL OF LAND IN ORB 1055 PG 1844, NORTH 00-09-11 EAST ALONG SAID EAST LINE 637.43 FEET TO THE NORTHEAST CORNER OF ORB 1055 PG 1844, NORTH 89-39-07 WEST 54.76 FEET TO THE NORTHWEST CORNER OF LAND IN ORB 1055 PG 1844, NORTH 00-09-11 EAST 313.56 FEET, NORTH 54–13–41 WEST TO THE EASTERLY RIGHT OF WAY LINE OF COUNTY ROAD NO 455, THENCE RUN NORTH 35-46-19 EAST ALONG SAID RIGHT OF WAY LINE 620.04 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHWEST, HAVING A RADIUS OF 1100.49 FEET, AND A CHORD BEARING OF NORTH 31-55-01 EAST, THENCE RUN NORTHEASTERLY ALONG THE ARC OF SAID CURVE 120.95 FEET THRU A CENTRAL ANGLE OF 06-17-51 TO THE NORTH LINE OF THE SOUTH 280 FEET OF GOVERNMENT LOT 9, ALSO BEING THE NORTH LINE OF THE SOUTH 280 FEET OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 27, THENCE RUN SOUTH 89-01-47 EAST ALONG SAID NORTH LINE 96.29 FEET TO THE EAST RIGHT OF WAY LINE OF ABANDONED SCL RAILROAD RIGHT OF WAY, THENCE NORTH 23-00-59 EAST ALONG SAID EAST RIGHT OF WAY LINE 61.97 FEET TO THE SOUTH LINE OF THE SOUTH 660 FEET OF THE NORTH 990 FEET OF GOVERNMENT LOT 9, THENCE RUN SOUTH 89–34–32 EAST ALONG SAID SOUTH LINE 340.80 FEET TO THE EAST LINE OF SAID GOVERNMENT LOT 9, THENCE RUN NORTH 00-26-31 EAST TO THE NORTHWEST CORNER OF THE SOUTH 990 FEET OF GOVERNMENT LOT 8 OF SECTION 27, SOUTH 89-33-56 EAST ALONG THE NORTH LINE OF THE SOUTH 990 FEET OF GOVERNMENT LOT 8 A DISTANCE OF 1320 FEET TO THE NORTHEAST CORNER OF SAID SOUTH 990 FEET OF GOVERNMENT LOT 8, THENCE SOUTH 00–25–59 WEST ALONG THE EAST LINE OF SAID GOVERNMENT LOT 8 A DISTANCE OF 329.97 FEET TO THE NORTHWEST CORNER OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 27, RUN SOUTH 89-50-11 EAST 330 FEET TO THE NORTHEAST CORNER OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 27, SOUTH 00-09-49 WEST 660.15 FEET TO THE SOUTHEAST CORNER OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 27, NORTH 89-48-55 WEST 333.10 FEET TO THE NORTHEAST CORNER OF GOVERNMENT LOT 13, SOUTH 00-25-59 WEST ALONG THE EAST LINE OF SAID GOVERNMENT LOT 13 A DISTANCE OF 657.80 FEET TO THE NORTHWEST CORNER OF THE SOUTH 1/2 OF GOVERNMENT LOT 14 OF SAID SECTION 27, SOUTH 89-44-10 EAST 1320 FEET TO THE NORTHEAST CORNER OF THE SOUTH 1/2 OF GOVERNMENT LOT 14, SOUTH 00-24-48 WEST 660 FEET TO THE SOUTHEAST CORNER OF THE SOUTH 1/2 OF GOVERNMENT LOT 14, NORTH 89–46–52 WEST ALONG THE SOUTH LINE OF THE SOUTHEAST 1/4 OF SAID SECTION 27 A DISTANCE OF 2640.46 FEET TO THE POINT OF BEGINNING--LESS THAT PART OF SCL RAILROAD RIGHT OF WAY LYING WITHIN THE WEST 495 FEET OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 27 & LESS THAT PART OF LAND LYING WITHIN THE FOLLOWING PARCEL: BEGIN 479 FEET EAST & 638 FEET NORTH OF THE SOUTHWEST CORNER OF GOVERNMENT LOT 12, RUN NORTH TO THE SOUTHEASTERLY RIGHT OF WAY LINE OF RAILROAD, THENCE SOUTHWESTERLY ALONG SAID RIGHT OF WAY LINE TO A POINT WEST OF THE POINT OF BEGINNING, RUN EAST 221 FEET TO THE POINT OF BEGINNING ORB 2946 PG 1922 1945

CONTRICT OF DOUBLESTING CONTRICT STATE CONTRICT STATE CONTRICT CONTR	C T U R ITERIOR DESIGN RMONT, FLORIDA 34711 (: (877) 680-7183 arch.com 236 DIO ARCHITECTURE, LLC. 3NS, ARRANGEMENTS, ANI ING ALL RELATED DIGITAL E EXCLUSIVE PROPERTY LLC., AND WERE CREATED CON AND IN CONJUNCTION DRAWING MAY NOT BE IN, FIRM, OR CORPORATION THOUT THE WRITTEN	D D.
Ferndale Preserve	Observation Tower / Fishing Pier And Canoe / Kayak Launch	
PROFESSIONAL SEAL:	2:22-04'00' pwell, AIA itect #AR94675 d by Robert Jaffrey Powell, AR# 9467 in any electronic copies. 34.00 ION 2022	5 Iled

DEVELOPMENT REVIEW
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DATE: DIRECTOR, OFFICE OF PLANNING AND ZONING (OR DESIGNEE)

SITE PLAN FOR COUNTY, FL REAL FLORIDA · REAL CLOSE RNDALE PRESERVE **OBSERVATION TOWER/FISHING PIER** AND CANOE/KAYAK LAUNCH SECTION 26 TOWNSHIP 21S RANGE 26E **INDEX OF SHEETS**

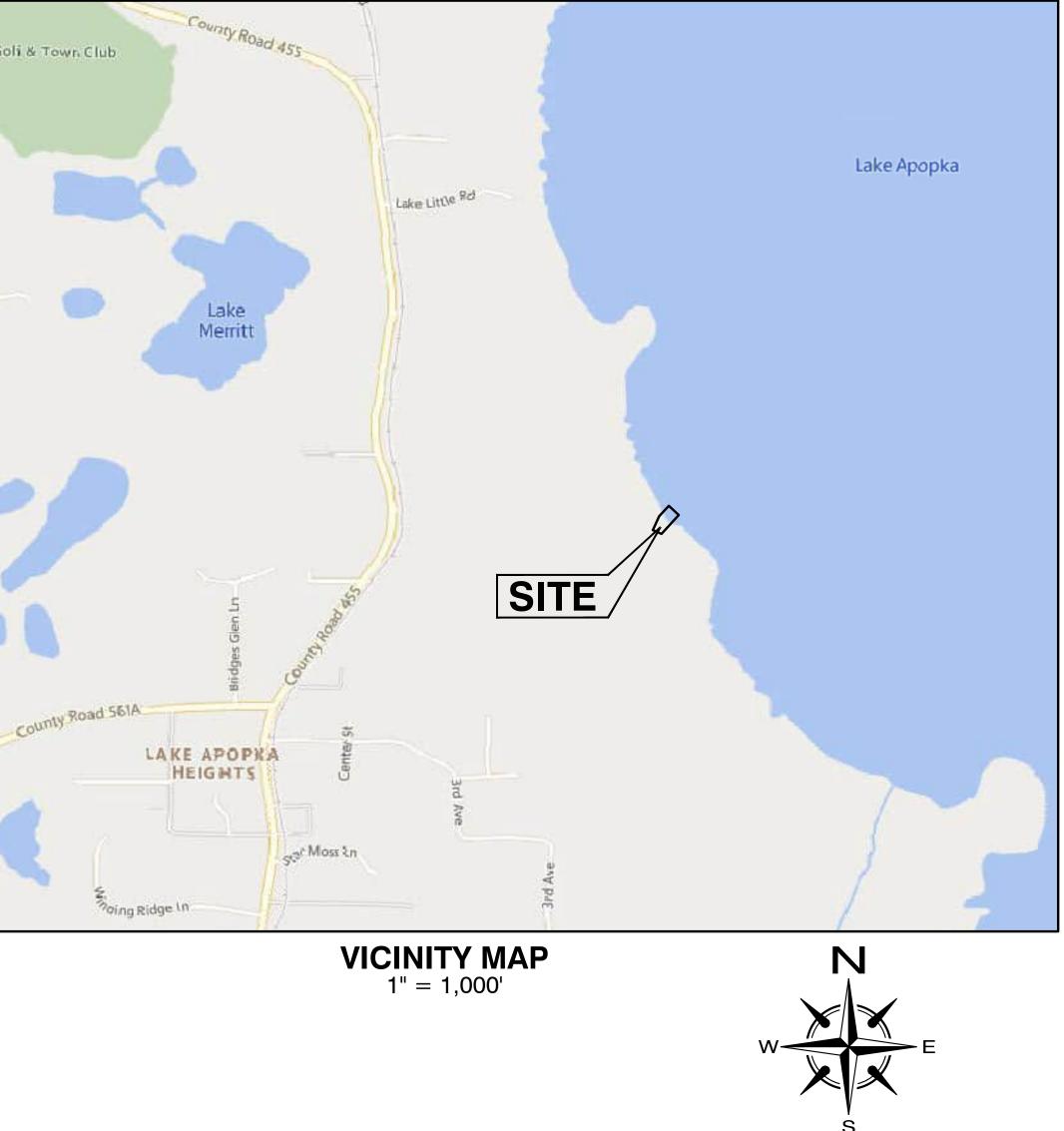
Sugarloaf Mountain Goli & Town Club

OWNER/DEVELOPER:

LAKE COUNTY OFFICE OF PARKS AND TRAILS 2401 WOODLEA ROAD TAVARES, FL 32778 **ROBERTO BONILLA, DIRECTOR** PHONE: (352) 253-4950 RBONILLA@LAKECOUNTYFL.GOV

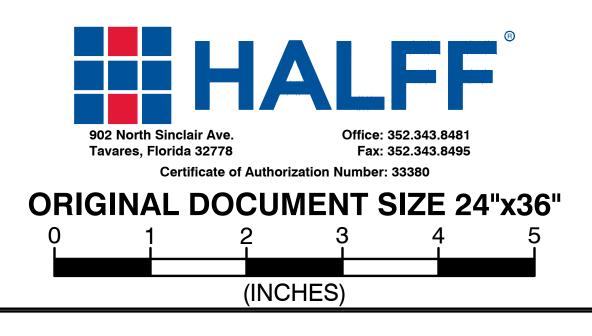
ENGINEER/SURVEYOR:

HALFF ASSOCIATES, INC. 902 N. SINCLAIR AVENUE TAVARES, FL 32778 DUANE BOOTH, P.E. (352) 343-8481 DBOOTH@HALFF.COM



DATE	ISSUE	BY
05-19-22	REVISION 1 - LAKE COUNTY COMMENTS	TNJ

- COVER SHEET
- MASTER PLAN
- 3 AERIAL PLAN
- 4 SITE PLAN
- **5 FISHING PIER PROFILE**
- 6 CANOE/KAYAK LAUNCH PROFILE



OBS CONSTRUCTION DATE: MAY 12, 2022 DESIGNED BY DKB DRAWN BY: TNJ CHECKED BY. DKB OB NO.: 043862.051 FERNDALE FILE NAME: Sheet 01 Registered Eng 44631

CONFORMED)

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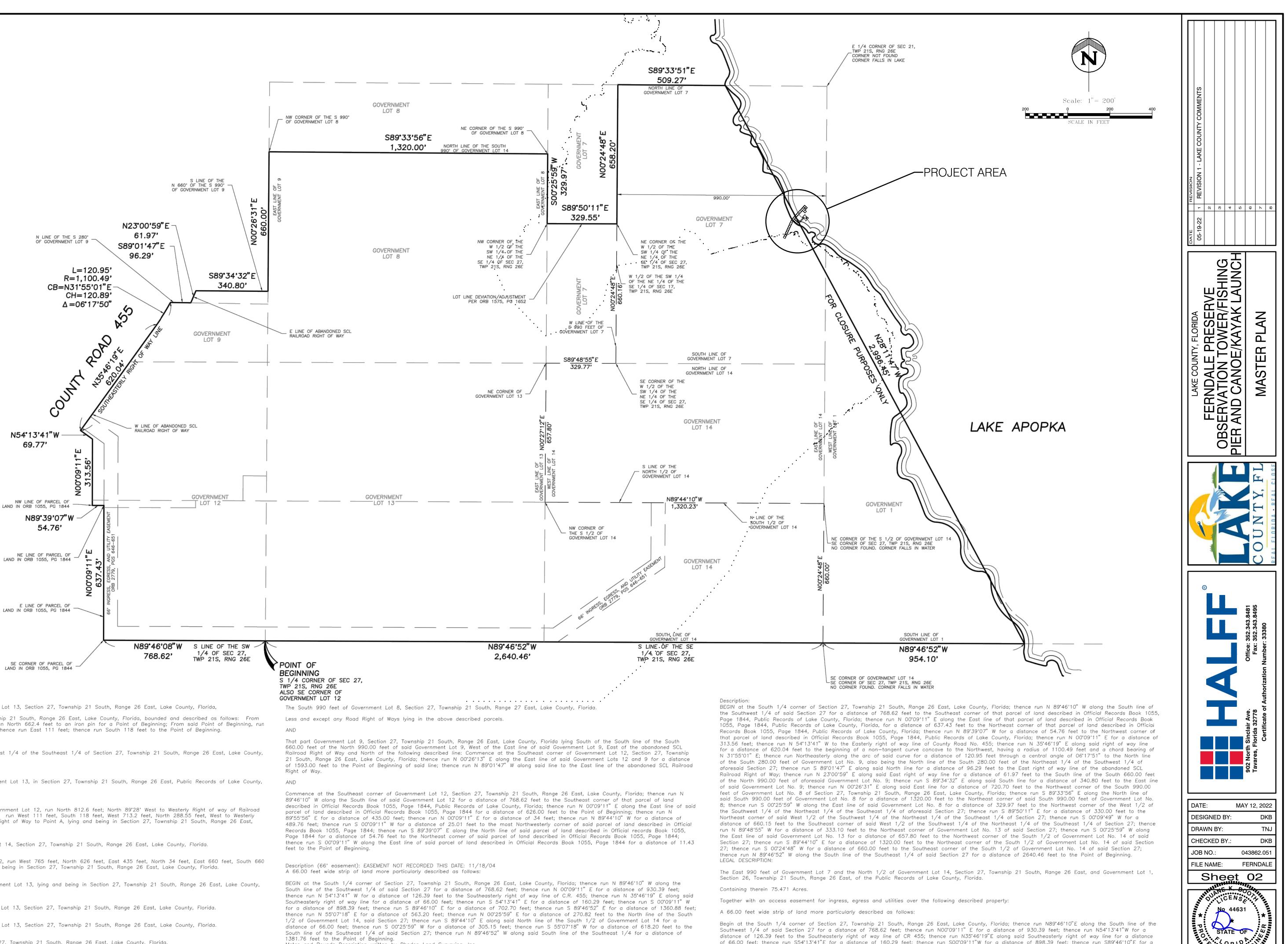
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2022

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MAY



DESCRIPTION:

The West 1/2 of the Northwest 1/4 of Government Lot 13, Section 27, Township 21 South, Range 26 East, Lake County, Florida, That part of Government Lot 12, Section 27, Township 21 South, Range 26 East, Lake County, Florida, bounded and described as follows: From the Southeast corner of said Government Lot 12, run North 662.4 feet to an iron pin for a Point of Beginning; From said Point of Beginning, run thence West 111 feet; thence run North 118 feet; thence run East 111 feet; thence run South 118 feet to the Point of Beginning. AND The West 1/2 of the Southwest 1/4 of the Northeast 1/4 of the Southeast 1/4 of Section 27, Township 21 South, Range 26 East, Lake County,

Florida. AND

The East 20 feet of the Northeast 1/4 of Government Lot 13, in Section 27, Township 21 South, Range 26 East, Public Records of Lake County, Florida. AND

Begin 780.4 feet North of Southeast corner of Government Lot 12, run North 812.6 feet; North 89'28' West to Westerly Right of way of Railroad being Point A. Return to Point of Beginning and run West 111 feet, South 118 feet, West 713.2 feet, North 288.55 feet, West to Westerly Right of Way of Railroad, Northeasterly along said Right of Way to Point A, lying and being in Section 27, Township 21 South, Range 26 East, Lake County, Florida.

The North 1/2 of the South 1/2 of Government Lot 14, Section 27, Township 21 South, Range 26 East, Lake County, Florida.

Begin at the Southeast corner of Government Lot 12, run West 765 feet, North 626 feet, East 435 feet, North 34 feet, East 660 feet, South 660 feet, West 330 feet to Point of Beginning lying and being in Section 27, Township 21 South, Range 26 East, Lake County, Florida.

The West 640 feet of the Northeast 1/4 of Government Lot 13, lying and being in Section 27, Township 21 South, Range 26 East, Lake County, Florida.

The East 1/2 of the Northwest 1/4 of Government Lot 13, Section 27, Township 21 South, Range 26 East, Lake County, Florida.

The East 1/2 of the Southwest 1/4 of Government Lot 13, Section 27, Township 21 South, Range 26 East, Lake County, Florida.

The Southeast 1/4 of Government Lot 13, Section 27, Township 21 South, Range 26 East, Lake County, Florida.

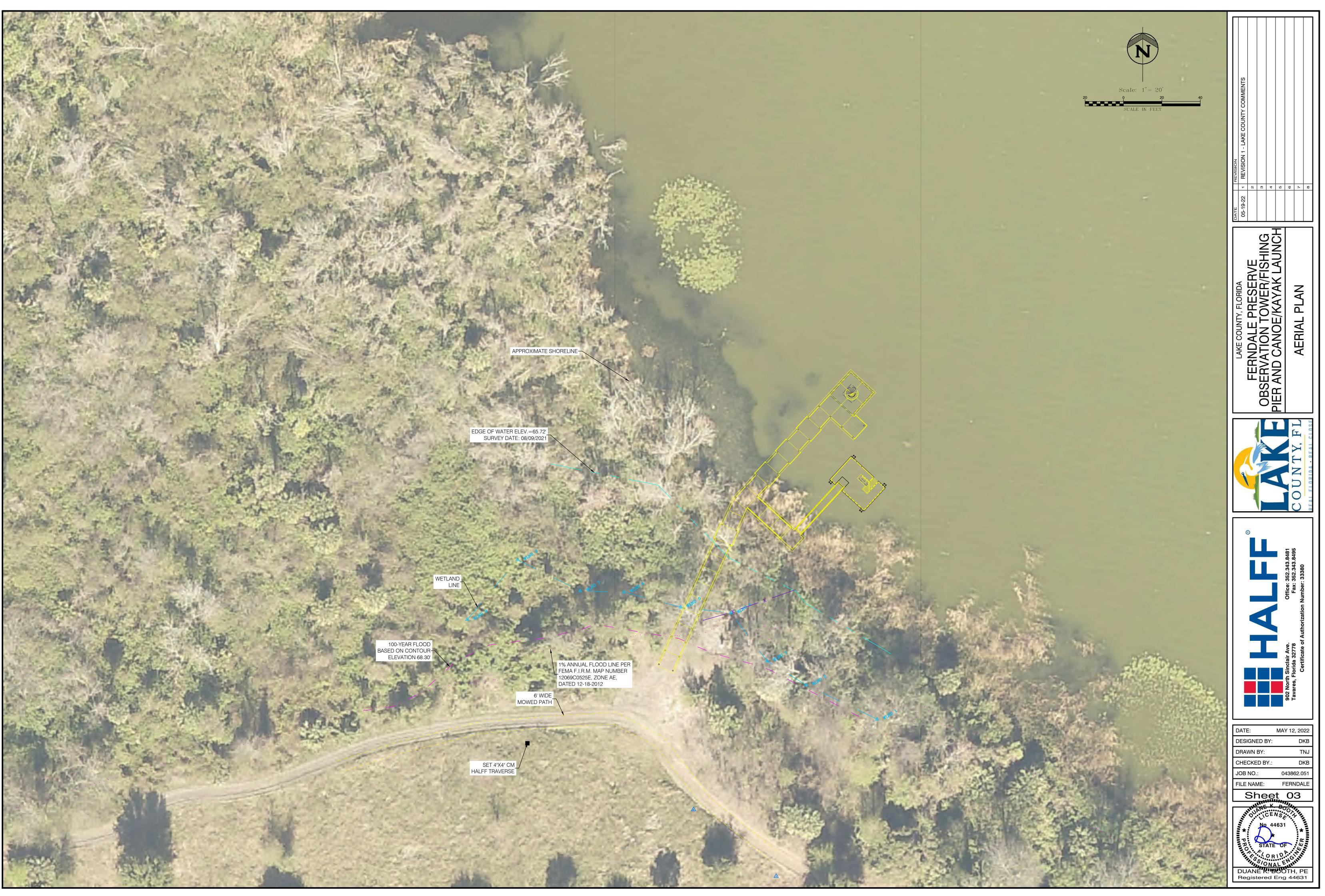
The South 1/4 of Government Lot 14, Section 27, Township 21 South, Range 26 East, Lake County, Florida

Metes and Bounds Description written by Rhoden Land Surveying, Inc. TOGETHER WITH:

of 66.00 feet; thence run S54°13'41"E for a distance of 160.29 feet; thence run S00°09'11"W for a distance of 898.39 feet; thence run S89°46'10"E for a distance of 702.70 feet; thence run S89*46'52"E for a distance of 1360.88 feet; thence run N55*07'18"E for a distance of 563.20 feet; thence run N00°25'59"E for a distance of 270.82 feet to the North line of the South 1/2 of Government Lot 14, said Section 27; thence run S89°44'10"E along said North line of the South 1/2 of Government Lot 14 for a distance of 66.00 feet; thence run S00°25'59"W for a distance of 305.15 feet; thence run S55*07'18"W for a distance of 618.20 feet to the South line of the Southeast 1/4 of said Section 27; thence run N89*46'52"W along said South line of the Southeast 1/4 for a distance of 1381.76 feet to the Point of Beginning.

DUANE K BOOTH. PE

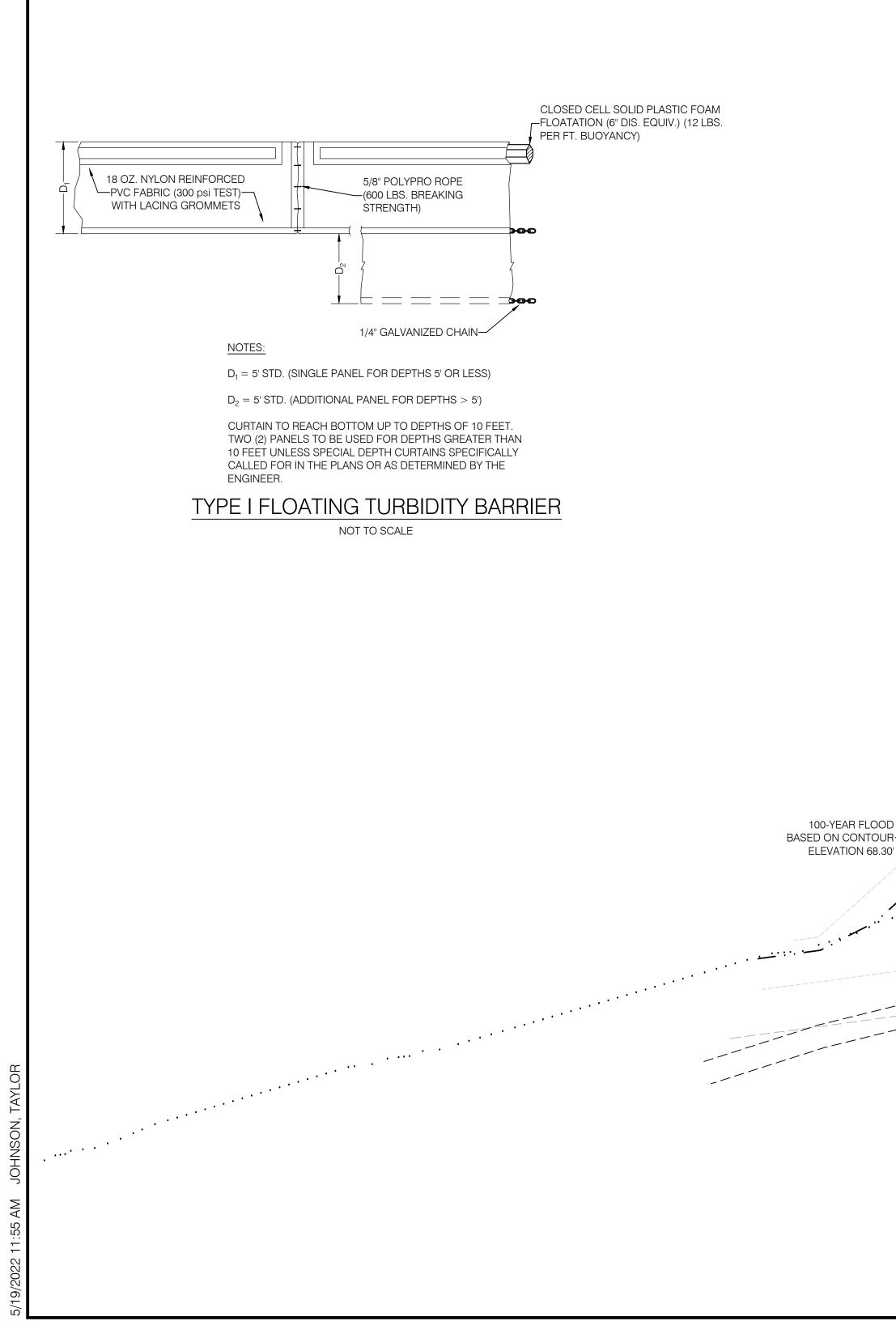
Registered Eng 44631

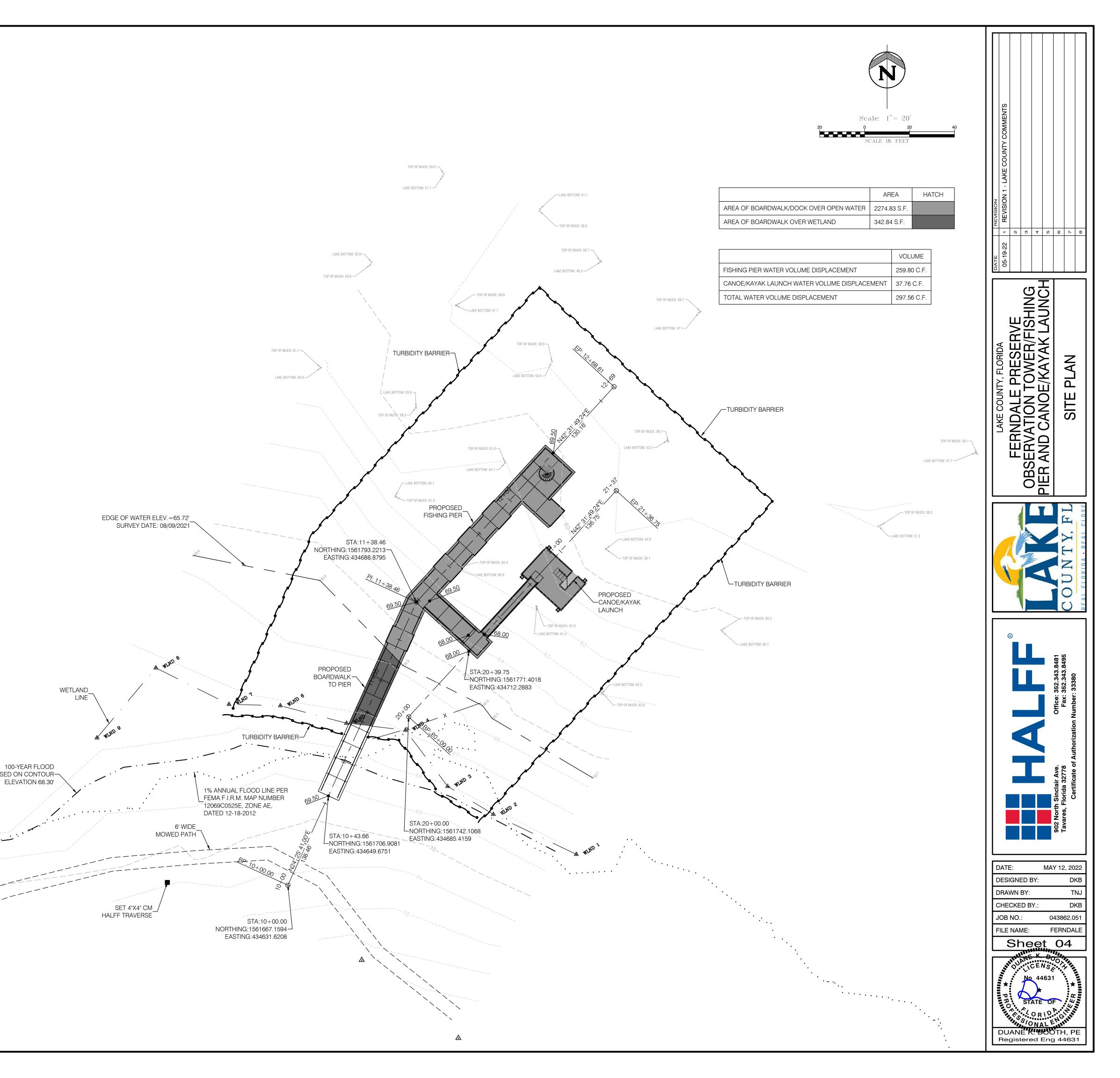


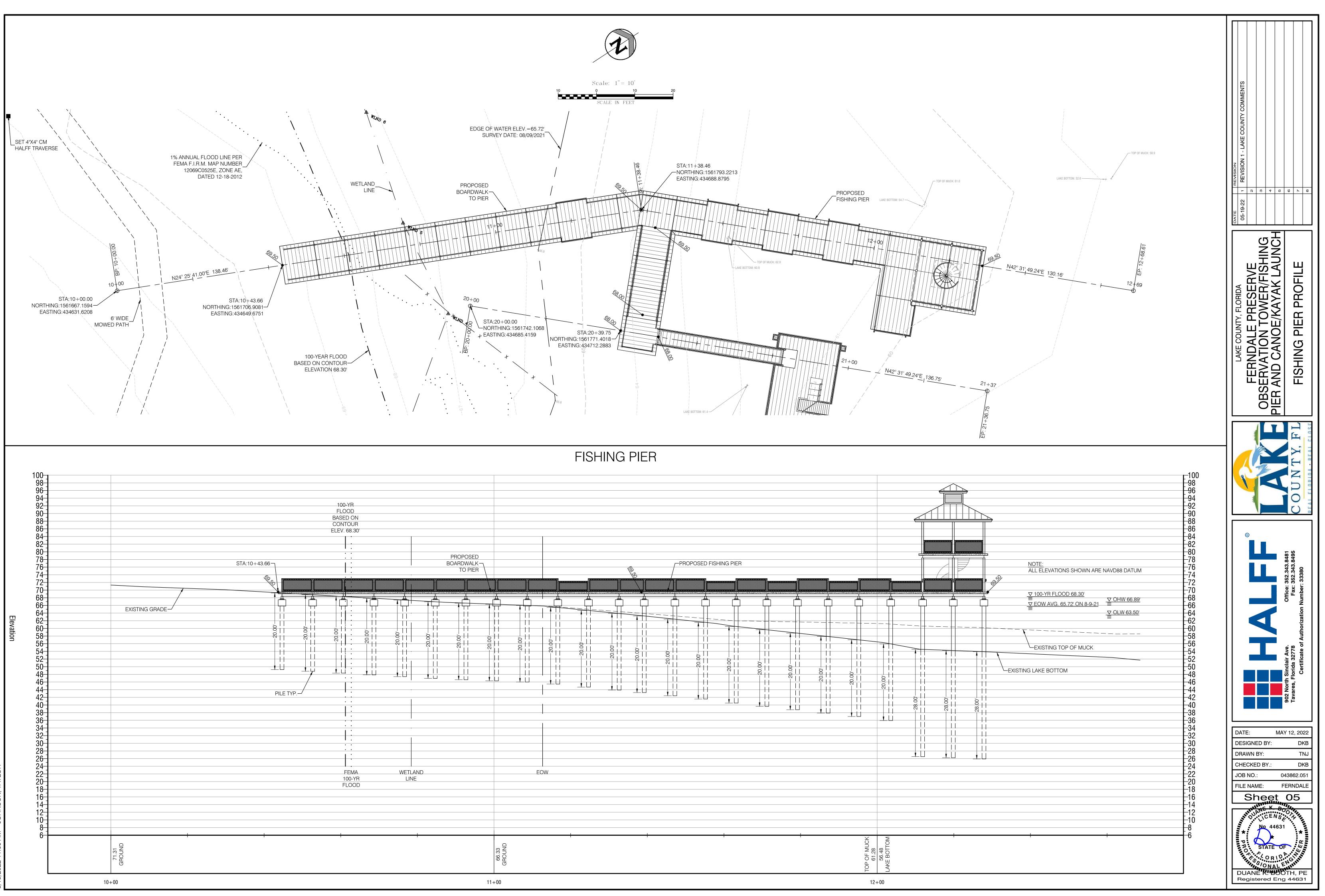
EROSION CONTROL NOTES:

1. THE FOLLOWING LIST REPRESENTS A BASIC EROSION AND SEDIMENT CONTROL PROGRAM WHICH IS TO BE IMPLEMENTED TO HELP PREVENT OFF-SITE SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROJECT.

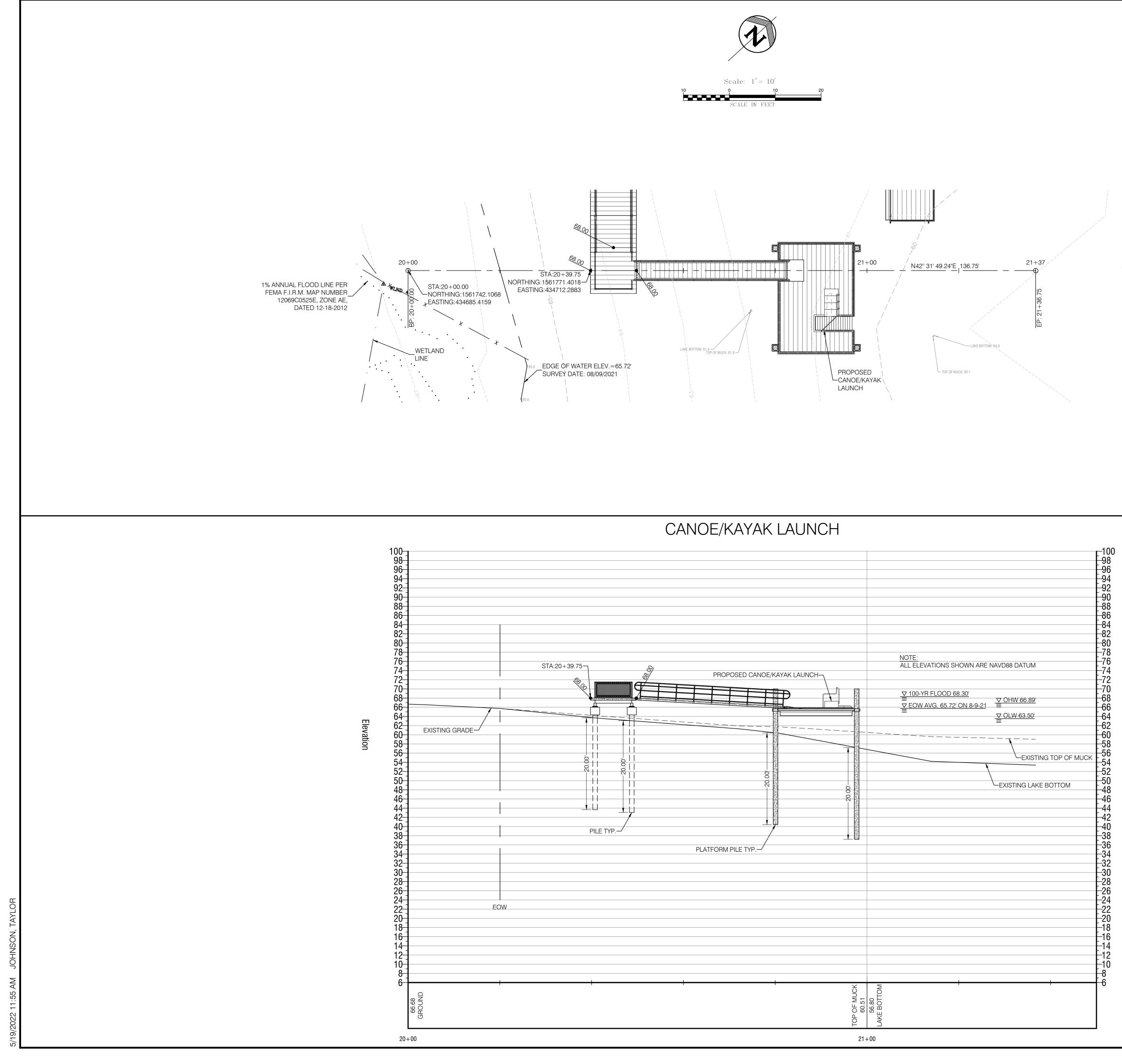
- A. PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICAL TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICES. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHOULD BE THE PLACEMENT OF PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT OR THE INITIAL WORK AREA TO PROTECT THE PROJECT, ADJACENT PROPERTIES AND WATER RESOURCES.
- B. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS CONTROL THROUGHOUT THE CONSTRUCTION PHASE. TEMPORARY MEASURES SHALL NOT BE CONSTRUCTED FOR EXPEDIENCY IN LIEU OF PERMANENT MEASURES.
- C. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THEIR INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.
- D. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BARRIERS SHALL BE ACCOMPLISHED PROMPTLY.
- E. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- F. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIERS ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

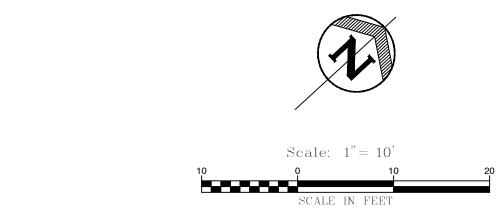






			FISH	ING	PIER	2					
	E	OW									
	66.33 GROUND								TOP OF MUCK	56.48 LAKE BOTTOM	
11	+00								12	2+00	





DATEREVISION05-19-221REVISION 1 - LAKE COUNTY COMMENTS05-19-222132144151617718
LAKE COUNTY, FLORIDA FERNDALE PRESERVE OBSERVATION TOWER/FISHING DBSERVATION TOWER/FISHING PIER AND CANOE/KAYAK LAUNCH CANOE/KAYAK LAUNCH PROFILE
COUNTY, FL
9 9
DATE: MAY 12, 2022 DESIGNED BY: DKB DRAWN BY: TNJ CHECKED BY.: DKB JOB NO.: 043862.051 FILE NAME: FERNDALE Sheet O6 Sheet O6

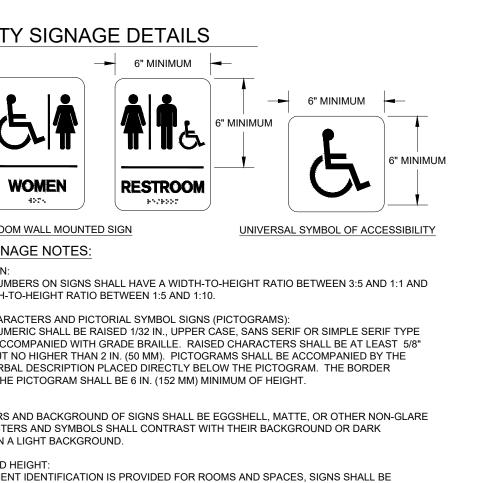
	GENERAL NOTES		LEGEN	O OF SYMBOLS
1.	CONSTRUCTION SHALL COMPLY WITH A	LL CITY, STATE, AND FEDERAL CODE	S &	8" NOMINAL CONCRETE MASON
2.	STANDARDS. CONTRACTOR SHALL VISIT THE SITE, IN	VESTIGATE AND BECOME FAMILIAR V		INTERIOR FRAME PARTITION (SE
	ALL EXISTING CONDITIONS PRIOR TO BI	DDING THE PROJECT.		ONE HOUR FIRE RATED INTERIO
3.	CONTRACTOR SHALL VERIFY ALL DIMEN ANY DISCREPANCIES TO THE ARCHITEC			TWO HOUR FIRE RATED INTERIO
4.	CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH THE	CONTENTS OF THE SPECIFICATION	S HETTH	TWO HOUR FIRE RATED CONCR
	FOR THE PROJECT.			EXISTING 8" CONCRETE MASON
5. 6.	DIMENSIONS LESS THAN 2'-0" MAY BE SH ALL ANGLED CONDITIONS ARE 45 DEGR	,		
7.	THE WORD "PROVIDE" MEANS TO FURNI CONNECTIONS, UNLESS OTHERWISE SP	•	ING	EXISTING INTERIOR FRAME PAR
8.	ALL ITEMS OUTSIDE THE PROJECT BOUI	NDARIES SHALL BE PROTECTED SO A	AS TO	EXISTING ONE HOUR FIRE RATE
	INSURE THAT THEY WILL REMAIN INTAC OUTSIDE THE PROJECT BOUNDARIES W			TACTILE WARNING SURFACE
	SOILED DUE TO THE ACTS OF THE CONT	RACTOR OR SUBCONTRACTORS, SH		WHEELCHAIR CLEAR TURNING D
	BE CLEANED, REPAIRED OR REPLACED DETERMINED BY THE ARCHITECT.	TO THEIR PREVIOUS CONDITION AS	`~_'	
9. 10	THE CONTRACTOR SHALL MAINTAIN FIR ALL FIRE SPRINKLER HEADS, SMOKE DE			SITE / PARKING LOT LIGHTING
	EQUIPMENT SHALL BE MOUNTED IN THE	CENTER OF ACOUSTICAL CEILING T	ILES.	SITE SIGN / ACCESSIBLE PARKIN
11.	IT IS THE INTENT OF THESE DRAWINGS A REQUIRED FOR COMPLETE SYSTEMS W			
	SHALL PROVIDE ALL ESCUTCHEON PLATAS REQUIRED TO PROVIDE A COMPLETE			DETAIL TARGET
	BY THE ARCHITECT.			
12.	ALL WOOD USED IN CONTACT WITH CON TREATED. FASTENERS FOR TREATED V		C.)	BUILDING / WALL SECTION TARG
10	SHALL BE GALVANIZED. ALL INTERIOR PARTITIONS ARE 5/8" GYP			
	TEXTURED WITH ORANGE PEEL FINISH	JNLESS OTHERWISE NOTED.		ELEVATION TARGET BASED ON UNLESS NOTED OTHERWISE
14.	PARTITIONS SHALL BE LOCATED TO ALIO WALL CONDITIONS.	GN WITH FURRING ON ALL MASONRY		
15.	THE TERM 'WORK' MEANS THE CONSTRU		T 🐨	LEVEL THRESHOLD TRANSITION 1/4" MAX. VERTICAL W/O EDGE T
	DOCUMENTS, INCLUDING ALL LABOR NE CONSTRUCTION, AND ALL MATERIALS A		то	1/2" MAX. VERTICAL W/ BEVEL OI
16	BE INCORPORATED THEREIN. ALL WORK MENTIONED OR INDICATED II	N THE CONTRACT DOCUMENTS SHAL	L BE	UNIVERSAL SYMBOL OF ACCESS
	PERFORMED BY THE CONTRACTOR AS I	PART OF THIS CONTRACT UNLESS IT		
	SPECIFICALLY INDICATED IN THE CONTE TO BE DONE BY OTHERS. SHOULD THE		()	WATER HEATER
	DISAGREE IN THEMSELVES OR WITH EA PROVIDE THE BETTER QUALITY OR GRE		- ###	ROOM NUMBER TAG
	OTHERWISE DIRECTED BY WRITTEN AD	DENDUM TO THE CONTRACT.		
17.	IN THE EVENT OF ANY CONFLICT AMONO DOCUMENTS SHALL BE CONSTRUED AC	,		DOOR NUMBER TAG
	PRIORITIES: HIGHEST PRIORITY:	MODIFICATIONS	(×#)	INTERIOR WALL TYPE TAG
	SECOND PRIORITY:	AGREEMENT	€	INTERIOR ELEVATION TARGET
	THIRD PRIORITY: PRECEDENCE	ADDENDA - LATER DATE TO TAKE		WINDOW TYPE ELEVATION TAG
	FOURTH PRIORITY: FIFTH PRIORITY:	SUPPLEMENTARY GENERAL CONDIT GENERAL CONDITIONS	-	
	SIXTH PRIORITY:	SPECIFICATIONS	OFE. FF	SURFACED MOUNTED FIRE EXTI
18.	SEVENTH PRIORITY: THE CONTRACTOR AND ALL SUBCONTR	DRAWINGS ACTORS SHALL REFER TO <u>ALL</u> OF TH		FIRE EXTINGUISHER IN RECESS
	DRAWINGS, INCLUDING THOSE SHOWIN	G PRIMARILY THE WORK OF THE		EMERGENCY LIGHT
	MECHANICAL, ELECTRICAL, AND OTHER THE SECTIONS OF THE SPECIFICATIONS	, AND SHALL PERFORM ALL WORK		DUAL EMERGENCY / EXIT COMB
	REASONABLY INFERABLE THEREFROM A INDICATED RESULTS.	AS BEING NECESSARY TO PRODUCE	\sim	CEILING MOUNTED EXIT LIGHT
19.	THE MECHANICAL, ELECTRICAL, PLUMB	,	\smile	CEILING MOUNTED EXIT LIGHT V
	ARE DIAGRAMMATIC ONLY, AND ARE NO PHYSICAL LOCATIONS OR CONFIGURAT			WALL MOUNTED EXIT LIGHT
	OTHERWISE. WORK SHALL BE INSTALLE OWNER TO CLEAR ALL OBSTRUCTIONS,	ED WITHOUT ADDITIONAL COST TO TH	HE	CEILING MOUNTED EXHAUST FA
	WORK OF OTHER TRADES, AND PRESEN			
20	EXPOSED. WHERE THE WORK IS TO FIT WITH EXIS ⁻	TING CONDITIONS OR WORK TO BE		RECESSED HVAC SUPPLY DIFFU
	PERFORMED BY OTHERS, THE CONTRAC	CTOR SHALL FULLY AND COMPLETEL	Y	
	JOIN THE WORK WITH SUCH CONDITION SPECIFIED.			RECESSED HVAC RETURN DIFFU
21.	IN ALL CASES IN WHICH A MANUFACTUR PROPRIETARY DESIGNATION IS USED IN			
	ARTICLES TO BE FURNISHED UNDER TH	IS CONTRACT, WHETHER OR NOT TH	E	24" X 48" RECESSED FLUORESC
	PHRASE 'OR EQUAL' IS USED AFTER SUC FURNISH THE PRODUCT OF THE NAMED			
	SUBSTITUTION, UNLESS WRITTEN REQU SUBMITTED BY THE CONTRACTOR AND	EST FOR SUCH SUBSTITUTION HAS E	BEEN	24" X 24" RECESSED FLUORESC
	ARCHITECT.			
22.	WHERE NO EXPLICIT QUALITY OR STANI WORKMANSHIP ARE ESTABLISHED FOR			
	QUALITY FOR THE INTENDED USE AND C	CONSISTENT WITH THE QUALITY OF T	HE	24" X 24" RECESSED FLUORESC EMERGENCY POWER / BATTERY
23.	SURROUNDING WORK AND THE CONSTR THE ARCHITECT AND/OR ENGINEER OF			
	WILL NOT ACCEPT RESPONSIBILITY AS T DEVIATIONS TO THIS PROJECT THAT DIF		R	24" X 24" RECESSED FLUORESC EMERGENCY POWER / BATTERY
	SPECIFICATIONS WITHOUT FINAL WRITT		T OR	
	ENGINEER, AS TO SUCH ACTION.		\bigcirc	RECESSED CAN LIGHT FIXTURE BATTERY BACKUP
			\bigcirc	RECESSED CAN LIGHT FIXTURE
	ABBREVIATIONS			
	A.B. ANCHOR BOLT CT	CERAMIC TILE GALV.	GALVANIZED	REQ'D REQUIRED
	ABV. ABOVE DIA. A/C AIR-CONDITIONER DISP.	DIAMETER G.C. DISPOSAL GI	GENERAL CONTRACTOR GROUND FAULT INTERRUPTER	RND ROUND S.F. SQUARE FOOT (F
	ADJ. ADJUSTABLE E.W. A.F.F. ABOVE FINISHED FLOOR ELEC.		HEIGHT	SHT SHEET SQ. SQUARE TEMP.A. TEMPERED
	A.H.U. AIR HANDLER UNIT ELEV. 3M. BEAM EXT.	EXTERIOR MIR.	MINIMUM MIRROR NOT TO SCALE	TEMP.A. TEMPERED TYP. TYPICAL U.N.O. UNLESS NOTED C
			NOT TO SCALE	UNLLOO NUTED U
	BOT. BOTTOM FBC CLG. CEILING FIN. FLF CAJON CONTROL JOINT F.G.	R. FINISHED FLOOR PONG	OPENING	VERT. VERTICAL VTR VENT THROUGH F
	CLG. CEILING FIN. FLF	R. FINISHED FLOOR PONG		-

3	4	5	6
8		BUILDING CODE ANALYSIS AND SUMMARY	
E MASONRY (CMU) WALL	SURFACE MOUNTED SCONCE / DECORATIVE LIGHT FIXTURE	A. BUILDING AREA :	3,297 SF.
TITION (SEE WALL TYPE DETAILS)	FIRE ALARM PULL STATION	B. CONSTRUCTION TYPE:	TYPE II-B
D INTERIOR FRAME PARTITION	⊢F F FIRE ALARM HORN AND STROBE LIGHT	C. AUTOMATIC FIRE SPRINKLER SYSTEM:	NO
D CONCRETE MASONRY (CMU) WALL		D. OCCUPANCY:E. MAXIMUM ALLOWABLE AREA (FBC TABLE 506.2):	UTILITY 'U' 8,500 SF
E MASONRY (CMU) WALL AME PARTITION IRE RATED INTERIOR FRAME PARTITION RFACE URNING DIAMETER (60") GHTING E PARKING SPACE	 CEILING MOUNTED ACCESS PANEL ACCESSIBLE HI / LO DRINKING FOUNTAIN WITH CLEAR FLOOR AREA SHOWN CEILING MOUNTED ACCESS PANEL CEILING MOUNTED ACCESS PANEL MAXIMUM EXIT ACCESS TRAVEL DISTANCE WITH POINT OF BEGINNING FIRE SPRINKLER HEAD (CENTER ON CEILING TILE) 	ACTUAL BUILDING AREA = F. FIRE RESISTANCE RATING REQUIREMENTS (FBC TABLE 601 & FB PARTY AND FIRE WALLS: STRUCTURAL FRAME: BEARING WALLS - INTERIOR BEARING WALLS - EXTERIOR NONBEARING WALLS & PARTITIONS (INTERIOR) NONBEARING WALLS & PARTITIONS (EXTERIOR) FLOOR CONSTRUCTION ROOF CONSTRUCTION	3,297 SF OC 705.4) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR
ION TARGET	Image: Fire sprinkler head (center on ceiling file) Image: Occupancy sensor (ceiling mounted)		
SED ON 1ST FINISHED FLOOR AT 100'-0" WISE	DRYWALL SOFFIT / BULKHEAD PRIMARY EGRESS DIRECTION / PATH OF TRAVEL		
ANSITION D EDGE TREATMENT BEVEL OF 1:2	EGRESS WIDTH (IN INCHES)		
F ACCESSIBILITY	32" EGRESS DIRECTION / WIDTH / 160 OCCUPANTS OCCUPANT LOAD CALCULATION		
	DRAWING REVISION TAG SYMBOL AND REVISION CLOUD		
ĀG			
ARGET			
ION TAG			

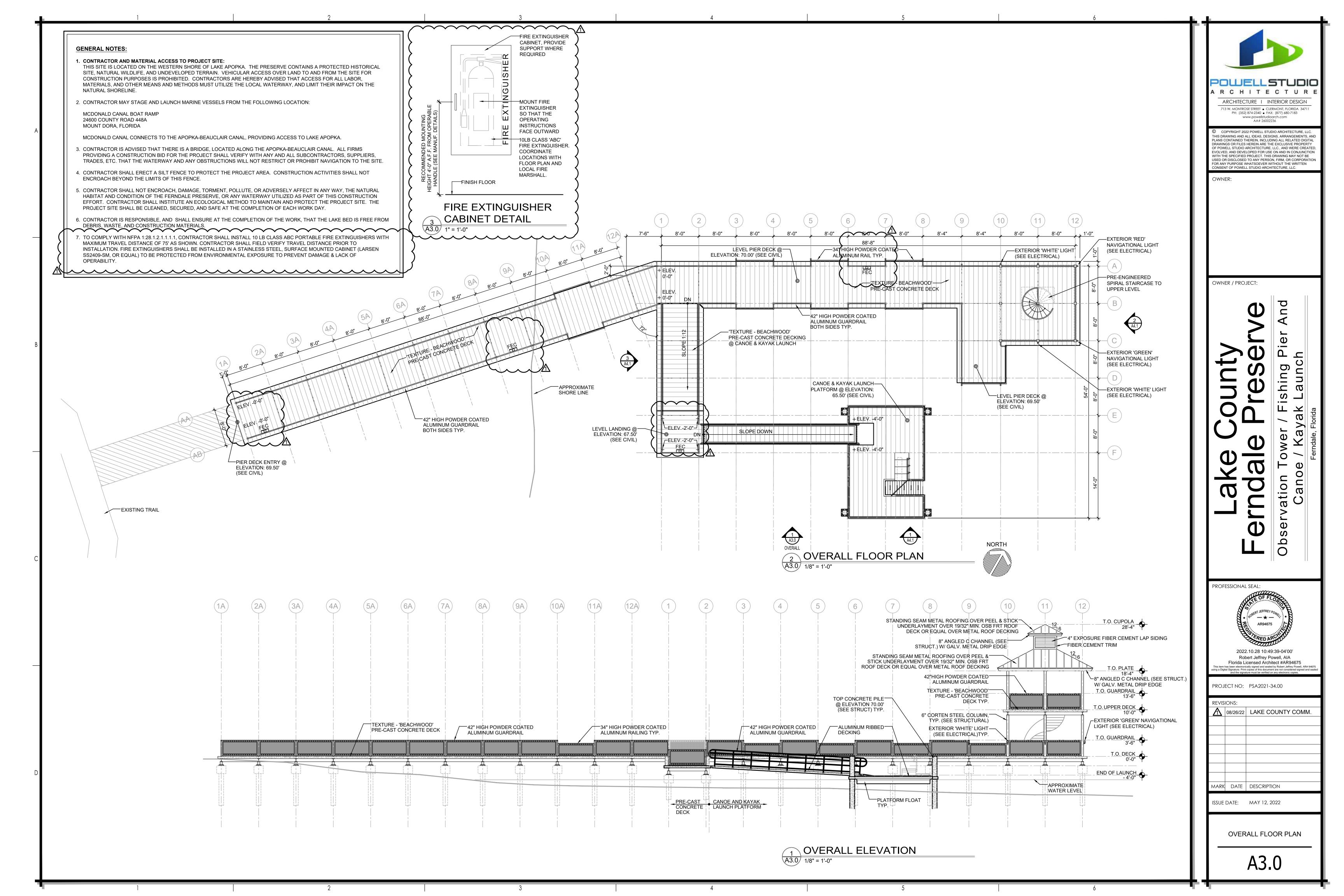
EXTINGUISHER

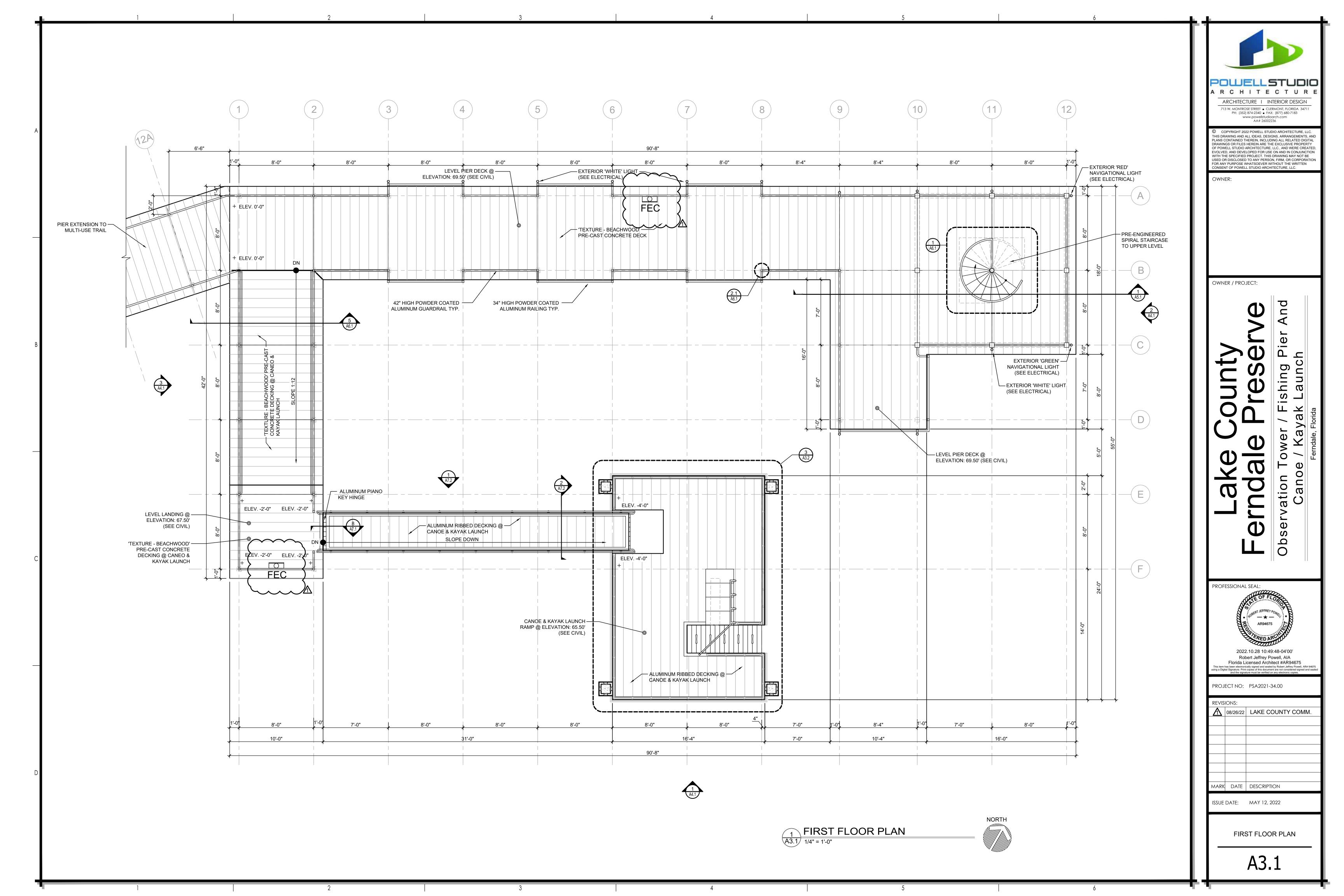
CESSED CABINET

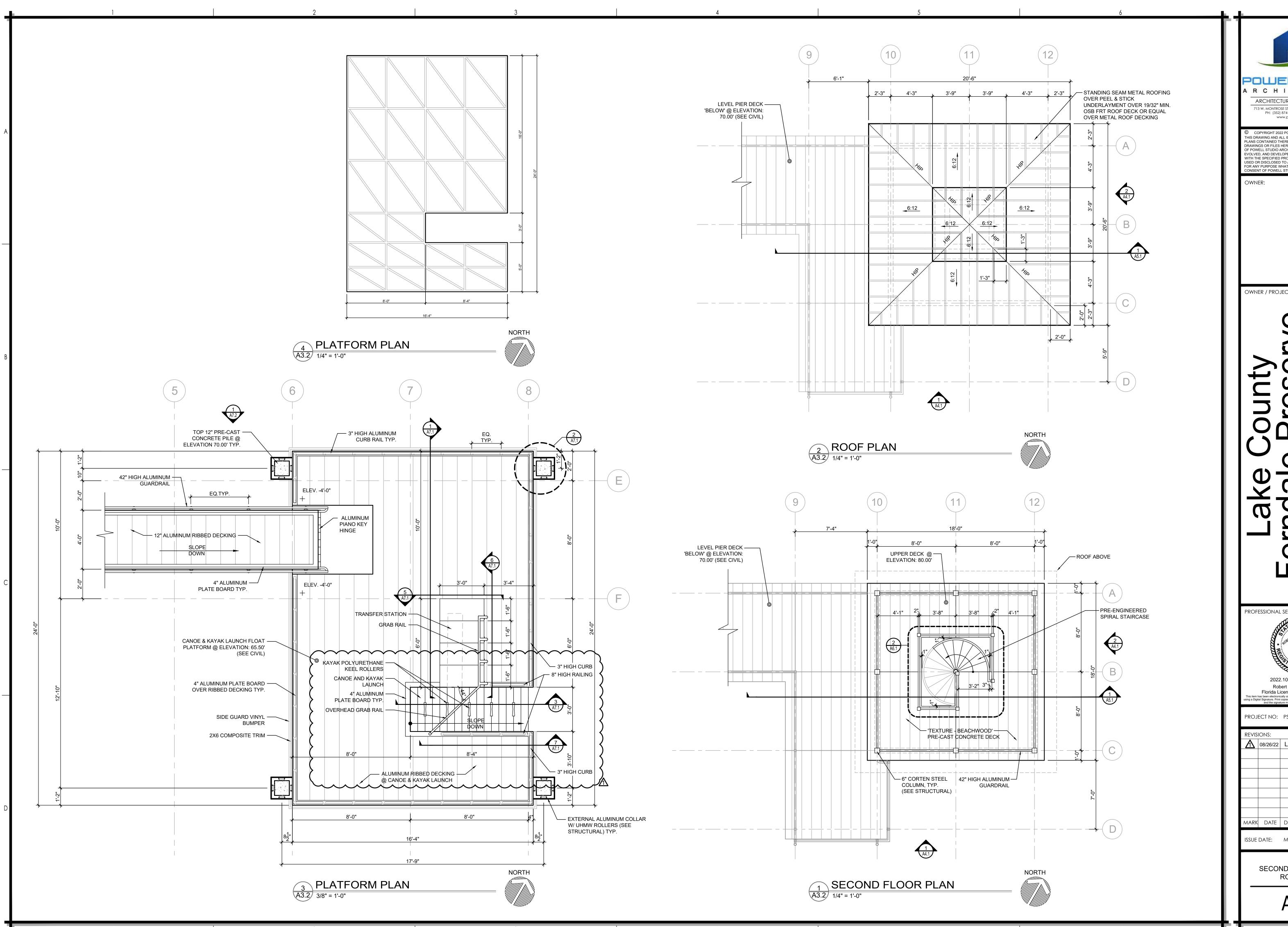
COMBINATION LIGHT GENERAL "PLAN" DIMENSIONAL CONVENTIONS APPLICABLE CODES AND STANDARDS GHT FBC 7TH ED. (2020) FLORIDA BUILDING CODE GHT WITH DIRECTIONAL ARROW ALL PLAN DIMENSIONS SHOWN ARE BASED ON NOMINAL STUD AND FBC 7TH ED. (2020) FLORIDA BUILDING CODE EXISTING BUILDING CMU WALL DIMENSIONS AND ARE SUBJECT TO FIELD ADJUSTMENT FOR ACTUAL MATERIALS. PLAN DIMENSIONS HAVE A GRAPHIC FPC 7TH ED. (2020) FLORIDA PLUMBING CODE TOLERANCE OF +1/2". <u>MINIMUM CLEAR AND ALL CORRIDOR</u> <u>DIMENSIONS ARE NOT TO BE REDUCED</u>. COORDINATE ALL EQUIPMENT DIMENSIONS WITH THE MANUFACTURER, OWNER, OR FMC 7TH ED. (2020) FLORIDA MECHANICAL CODE JST FAN OWNER'S REPRESENTATIVE. FBC 7TH ED. (2020) FLORIDA ENERGY CONSERVATION CODE FAC 7TH ED. (2020) FLORIDA ACCESSIBILITY CODE DIFFUSER FFPC 7TH ED. FLORIDA FIRE PREVENTION CODE NFPA-70-2017 NATIONAL ELECTRICAL CODE INTERIOR WALL DIFFUSER DIMENSIONS ARE ÷∟≥ FROM CENTER INTERIOR LINE TO CENTER DIMENSION SN NS NS LINE WHEN SHOWN BEGIN FROM THE ACCESSIBILITY SIGNAGE DETAILS DIMENSIONED INSIDE FACE Ш TO THE CENTER RESCENT LIGHT FIXTURE OF CMU 6" MINIMUM IF DOOR IS SHOWN GRAPHICALLY ADJUST TO ADJUST TO 6" MINIMUM BE EQUAL CENTERED BE EQUAL DIVIDE THE WALL + + RESCENT LIGHT FIXTURE SPACE ON THE TWO SIDES EQUALLY WOMEN MEN RESTROOM RESCENT LIGHT FIXTURE W/ **** ******* TERY BACKUP TOILET ROOM WALL MOUNTED SIGN ACCESSIBILITY SIGNAGE NOTES: RESCENT LIGHT FIXTURE W/ CHARACTER PROPORTION: - MIN OF 2" GYP TO SHOW LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE-WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10. TERY BACKUP BETWEEN DOOR FRAME AND WALL RAISED AND BRAILLE CHARACTERS AND PICTORIAL SYMBOL SIGNS (PICTOGRAMS): LETTERS AND NUMERIC SHALL BE RAISED 1/32 IN., UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE AND SHALL BE ACCOMPANIED WITH GRADE BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" (16 MM) HIGH, BUT NO HIGHER THAN 2 IN. (50 MM). PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE DICTOCRAM SHALL BE 6 IN. (452 MM) MINIMUM OF HEICHT 18" MIN CLEAR URE WITH EMERGENCY POWER / **VOF ANY CABINET** 18" MIN CLEAR IRF DIMENSION OF THE PICTOGRAM SHALL BE 6 IN. (152 MM) MINIMUM OF HEIGHT. FINISH AND CONTRAST: THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. 12" MIN CLEAR ON PUSH SIDE MOUNTING LOCATION AND HEIGHT: WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE DOT (FEET) UNLESS A DOOR'S LOCATION IS DIMENSIONED OR INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL LAID OUT SPECIFICALLY, SUCH AS SHOWN CENTERED, SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE TYPICAL DOOR LOCATION IN A WALL SHALL BE PLACED ON THE NEAREST, ADJACENT WALL. MOUNTING LOCATION OF SUCH SIGNAGE SHALL BE SO PLACED TO MEET THE FLORIDA ACCESSIBILITY CODE THAT A PERSON MAY APPROACH WITHIN 3 IN. (76 MM) OF SIGNAGE WITHOUT ENCOUNTERING FIRST + AND THE ABOVE REQUIREMENTS SECOND. PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF THE DOOR. MOUNTING HEIGHT SHALL BE 60 IN. (1525 MM) ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. TED OTHERWISE SYMBOLS OF ACCESSIBILITY: OUGH ROOF FACILITIES AND ELEMENTS REQUIRED TO BE IDENTIFIED AS ACCESSIBLE BY SECTION 4.1 OF THE A.D.A.A.G SHALL USE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. DSET OF



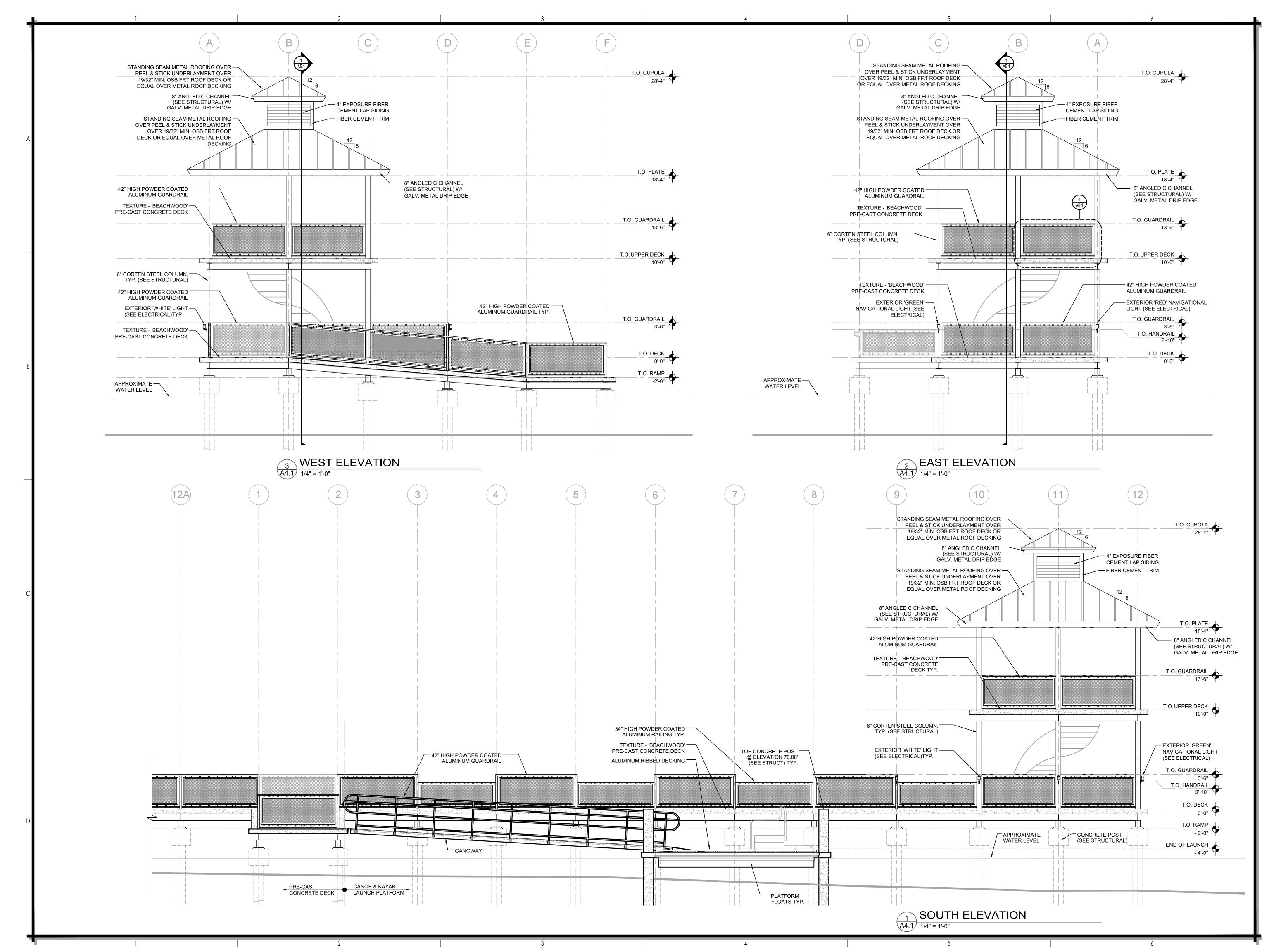
ARCHITECTU 713 W. MONTROSE PH: (352) 8	I T E JRE I IN STREET • CLE 74-2340 • FAN v.powellstudio AA# 260022 POWELL STUIL LIDEAS, DESIM EREIN, INCLUE REIN, INCLUE REIN, INCLUE REIN ARE TH SCHITECTURE, DPED FOR USE ROJECT. THIS O ANY PERSO ATSOEVER W	C T ITERIOR D RMONT, FLOR (: (877) 680-7' arch.com 236 DIO ARCHITE(GNS, ARRANG 236 DIO ARCHITE(GNS, ARRANG 236 DIO ARCHITE(SON AND IN C DRAWING MC N, FIRM, OR C N, FIRM, OR C	U R ESIGN IDA 3471 183 CTURE, LI EMENTS ATED DIG PROPER ERE CRE, CONJUNC 3Y NOT BI CORPORA WRITTEN	 AND TAL TY ATED, TION E	
	rerndale reserve	Observation Tower / Fishing Pier And	Canoe / Kayak Launch	Ferndale, Florida	
PROFESSIONAL SEAL: Image: Construction of the segment of the					
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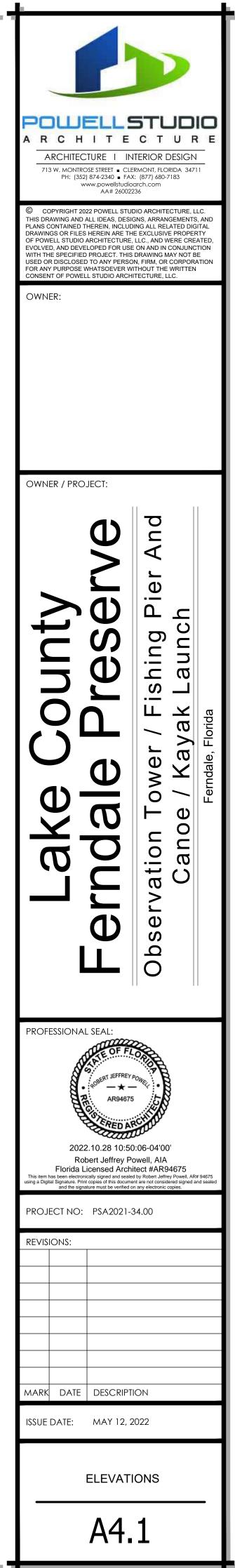


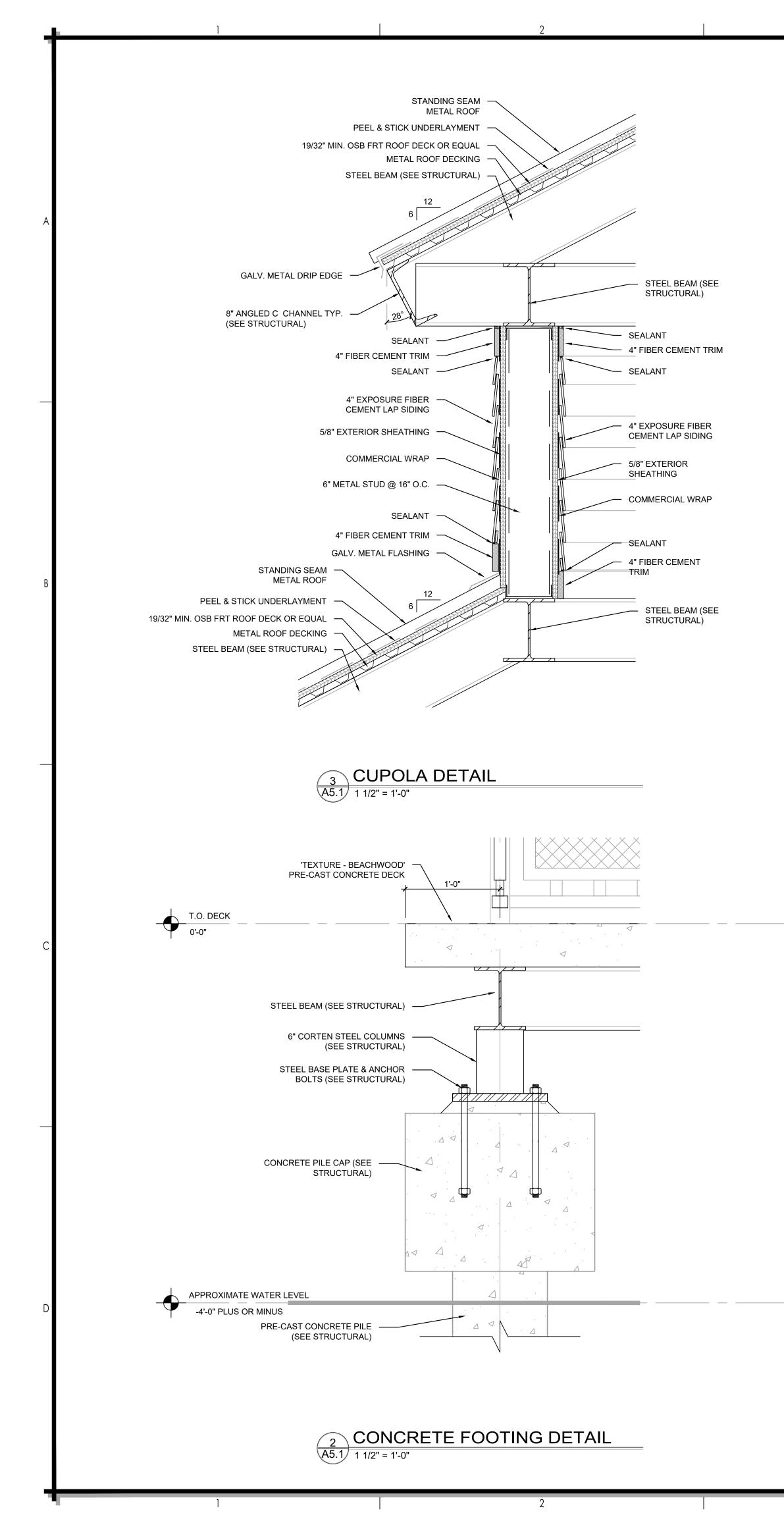


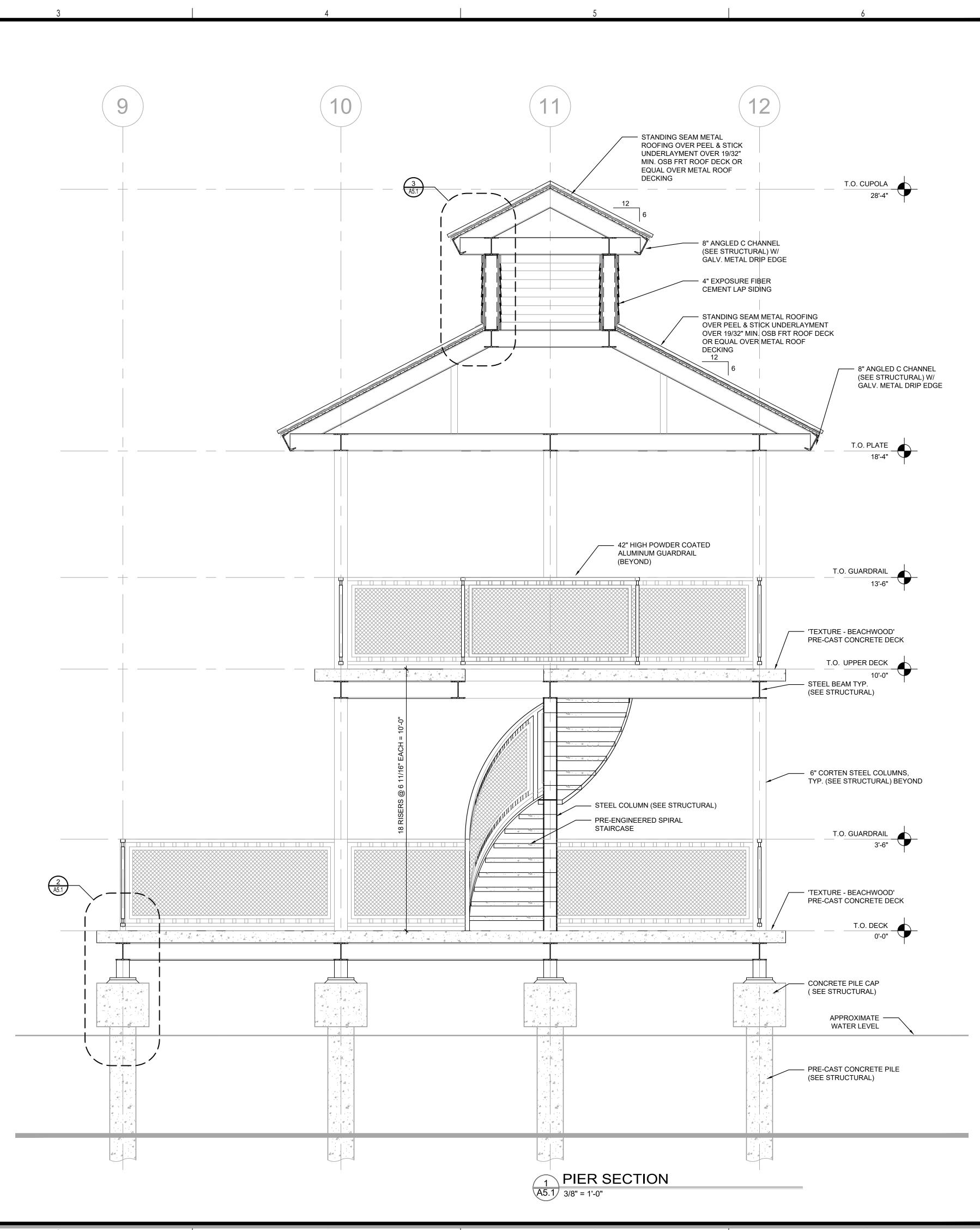


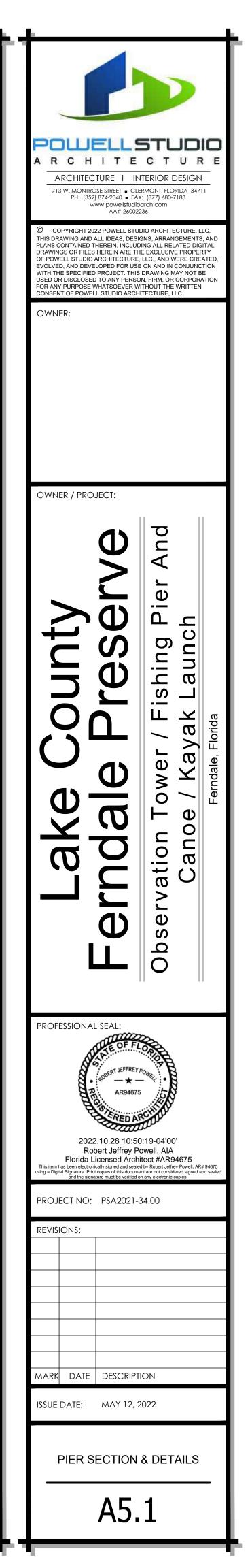
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PROFESSIONAL SEAL: FIRE Properties AR94675 AR94675 AR94675 OD22.10.28 10:49:57-04'00' Robert Jeffrey Powell, AIA Iorida Licensed Architect #AR94675 Stais deen electronically signed and sealed by Robert Jeffrey Powell, AR49 49675 Stais deen electronically signed and sealed by Robert Jeffrey Powell, AR49 49675 Stais deen electronically signed and sealed by Robert Jeffrey Powell, AR49 49675 Stais deen electronically signed and sealed by Robert Jeffrey Powell, AR49 49675 Stais de Digatation March 1000000000000000000000000000000000000					
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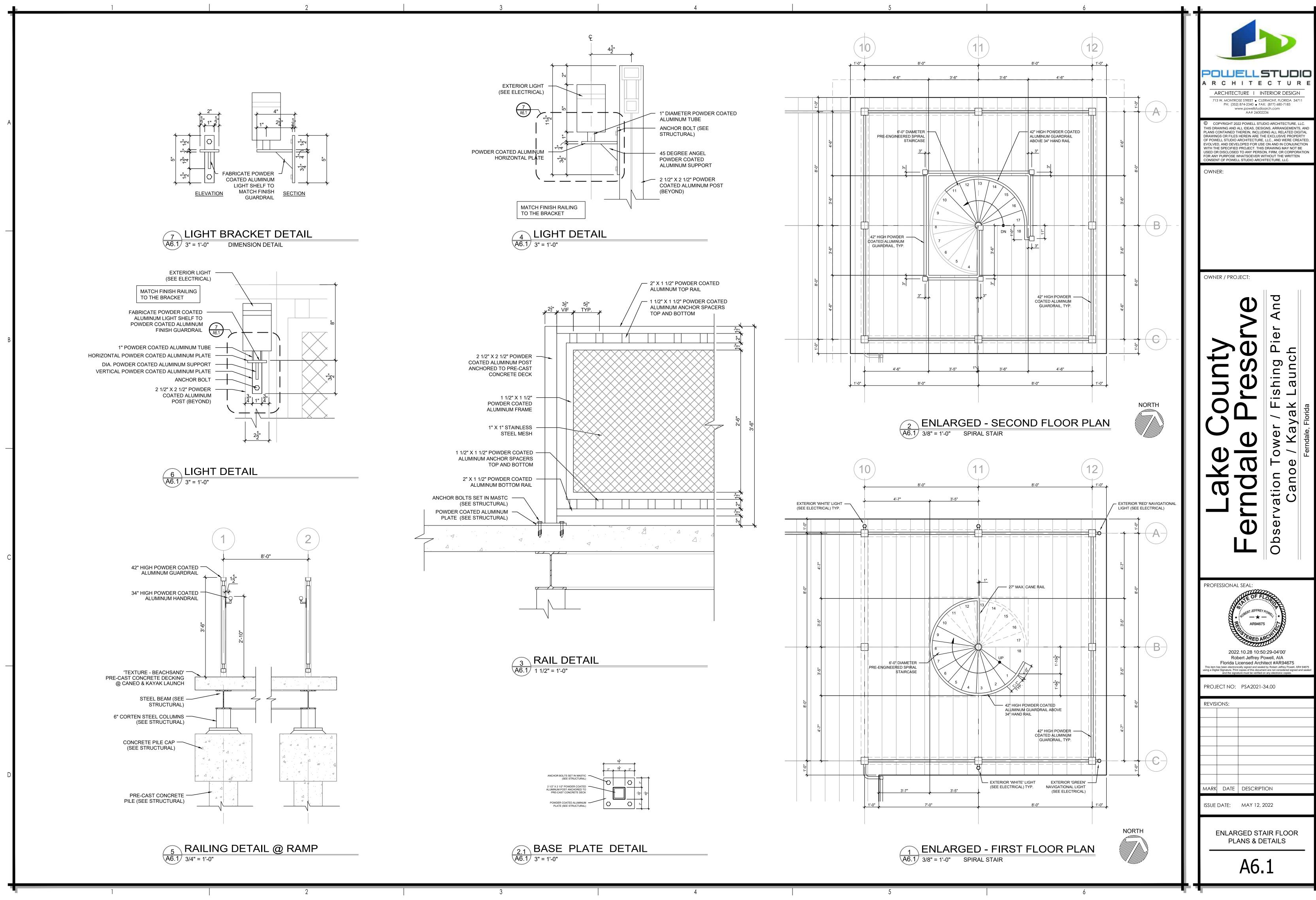


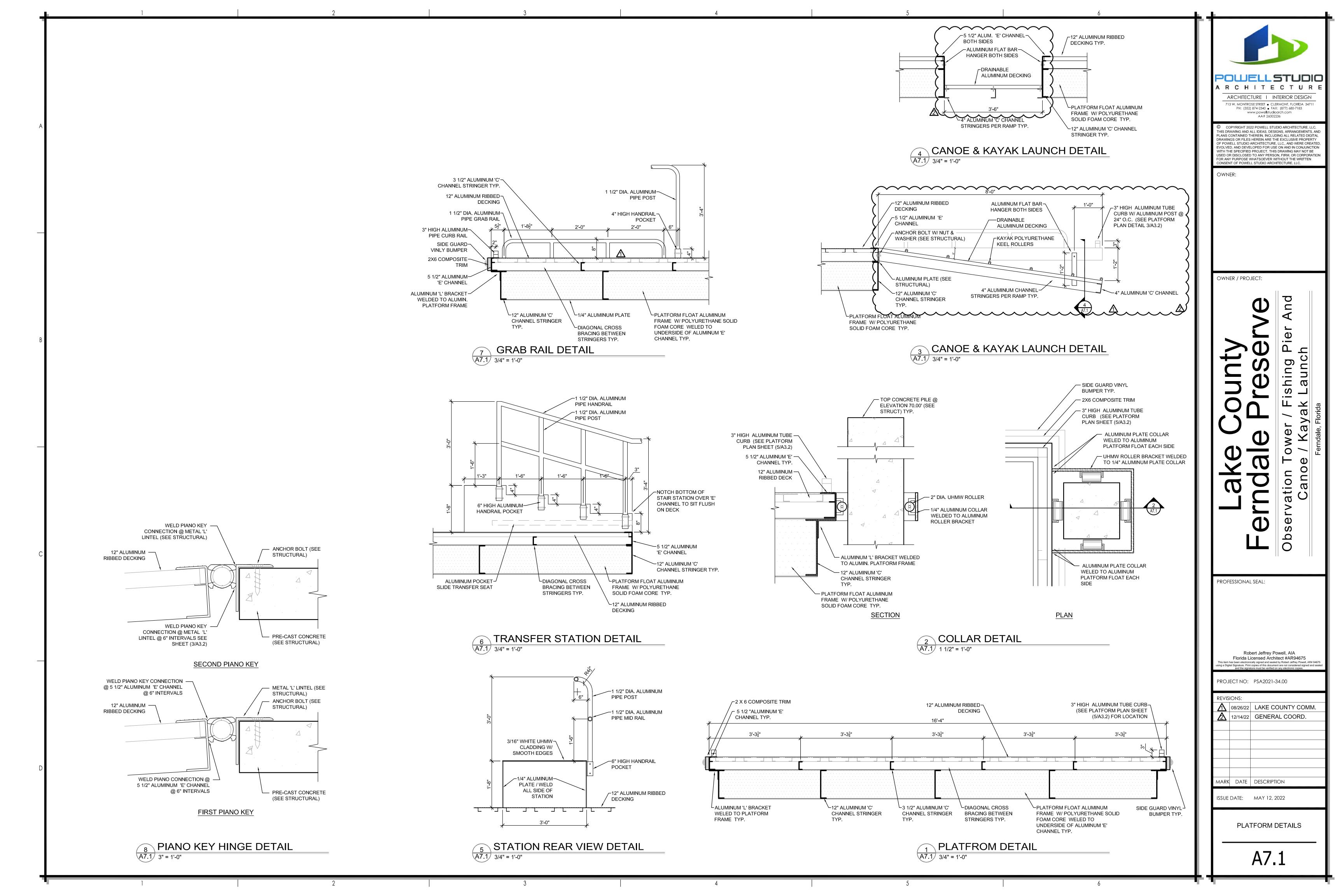


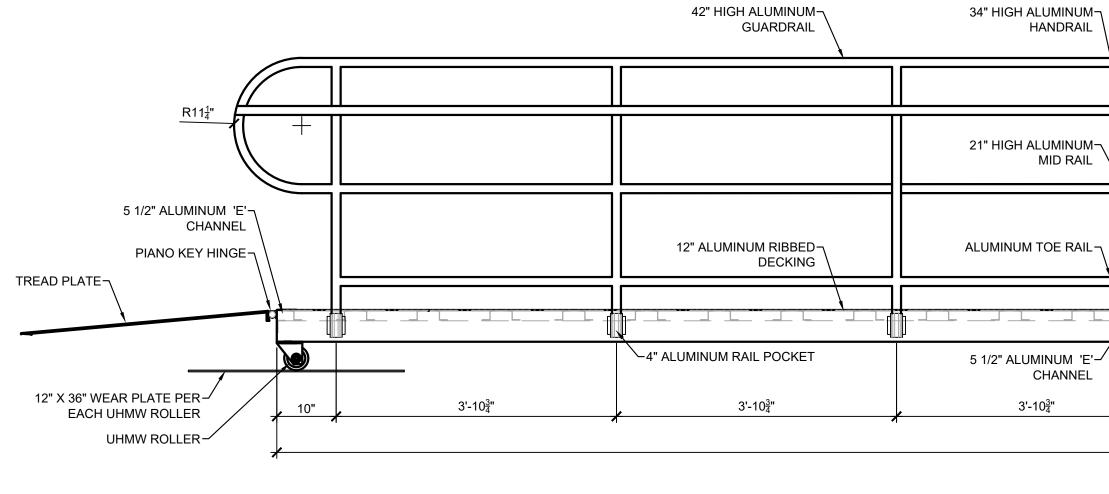






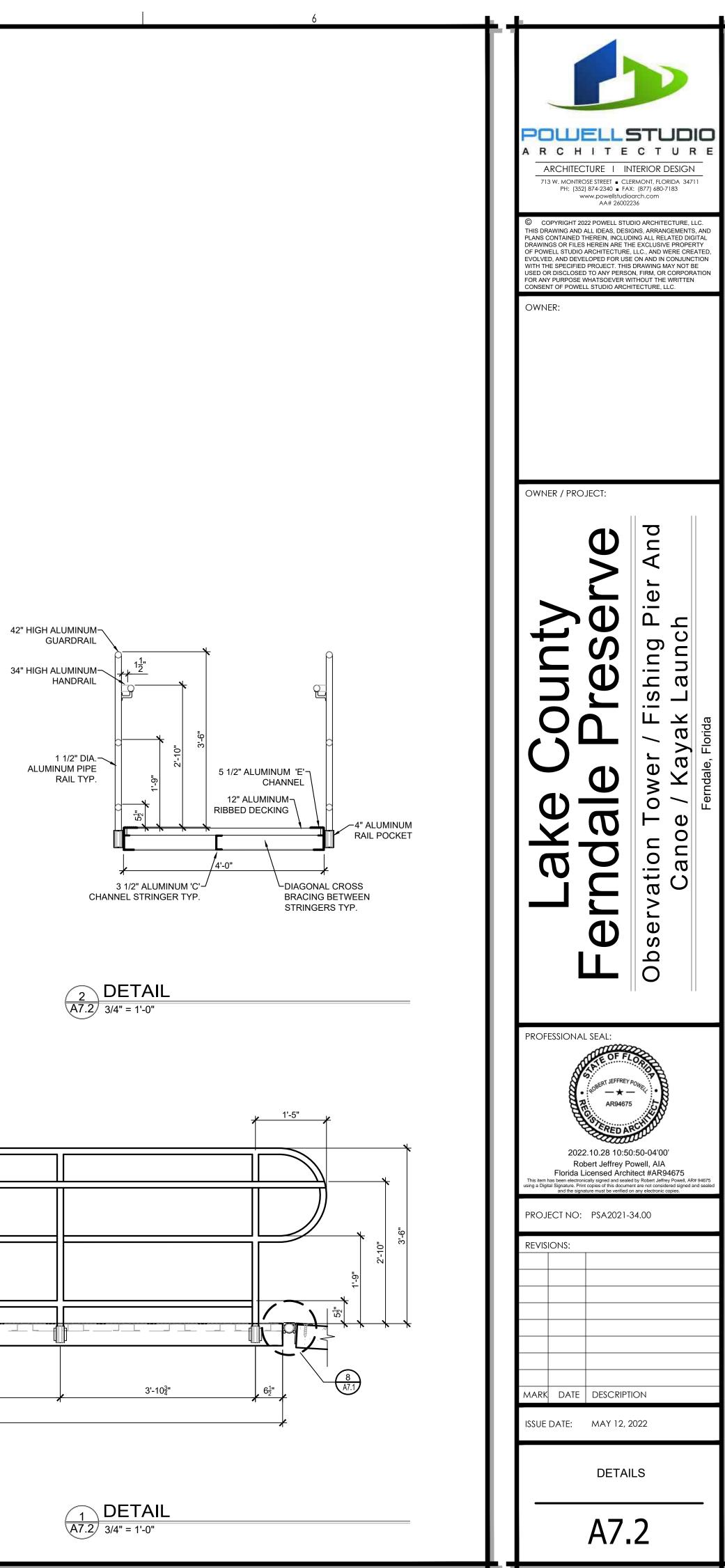






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MD RAIL TOE RAIL INUM 'E' DIAGONAL CROSS BRACING BETWEEN STRINGERS TYP. 0 ^a 0 ^a 3-10 ^a 3-10 ^a 3-10 ^a 3-10 ^a 3-10 ^a 3-10 ^a					
IINUM 'E'- DIAGONAL CROSS- BRACING BETWEEN STRINGERS TYP. 0 ³ " 3'-10 ³ " 3'-10 ³ " 3'-10 ³ " 3'-10 ³ "	LUMINUM- MID RAIL				
BRACING BETWEEN STRINGERS TYP. 0 ³ / ₄ " 3'-10 ³ / ₄ "					
BRACING BETWEEN STRINGERS TYP. 0 ³ / ₄ " 3'-10 ³ / ₄ "					
Ă Ă Ă Ă Ă	/INUM 'E'- CHANNEL	BRACING BETWEEN STRINGERS TYP.	2' 10 ³ "	2' 10 ³ "	2' 10 ³ "
	U <u>7</u>	 · · · · · · · · · · · · · · · · · · ·	r	3-10 4	<u>۲ 3-104</u>

1 1/2" dia. Aluminum-Pipe Rail Typ.



ELECTRICAL SYMBOL LEGEND

BASIC MATERIALS

	SYMBOL	DESCRIPTION		COI FUF
	S _{WP}	SINGLE POLE SWITCH WITH WEATHERPROOF COVER		1. 2. 3.
	WP	GFI RECEPTACLE. WP DENOTES UL LISTED AS WEATHERPROOF IN USE AND UL LISTED WEATHER RESISTANT. MOUNTED AT 48" AFF.		4. 5. 6. 7. 8.
:		BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, SURFACE MOUNTED		9. 10. 11.
		BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, FLUSH MOUNTED	2.	12. 13. REF
		BRANCH CIRCUIT PANELBOARD, OVER 250 VOLTS, SURFACE MOUNTED	2. 6.	ADE ALL
		BRANCH CIRCUIT PANELBOARD, OVER 250 VOLTS, FLUSH MOUNTED	7.	OU1 WH
/		BRANCH CIRCUIT CONDUIT CONCEALED ABOVE CEILING OR IN WALL. CONDUIT SHALL INCLUDE PHASE, NEUTRAL AND GROUND CONDUCTORS AS REQUIRED FOR CIRCUITS (UNLESS OTHERWISE NOTED).	9.	SIZE EAC WHI GRO
	ч	GROUND ROD 3/4" x 20'	40	NEU
	O	CONDUIT TURNING UP	10.	PRC OR
	•	CONDUIT TURNING DOWN		CAE OF (
]	CONDUIT STUB		2"C 2 1/2 3"C
		CONDUIT CONTINUED		4"C
		LIGHTING	11. 12.	all Ligi
	0	SOLAR POWERED POST TOP LED FIXTURE	13.	DEV REC
		KEYED NOTES		DEV ABC
1.	MOUNTED L TYPE LENS FIXTURE SH FOR AUTOM STABILIZED SWITCHING WITH CONS	ED SEALED IP 67 (MINIMUM) RATED SOLAR POWERED POST TOP .ED LIGHT FIXTURE. LIGHT FIXTURE SHALL HAVE 360-DEGREE FRESNEL WITH ENCAPSULATED SOLAR PANEL BUILT INTO FIXTURE. LIGHT IALL OPERATE FROM DUSK TO DAWN AND HAVE BUILT-IN PHOTO-CELL MATIC ACTIVATION. LIGHT FIXTURE HOUSING SHALL BE MADE OF UV POLYCARBONATE MATERIAL. LIGHT FIXTURE SHALL BE CAPABLE OF BETWEEN CONSTANT AND FLASHING LIGHT (LIGHT SHALL BE INSTALLED TANT BRIGHTNESS). BATTERIES SHALL BE INTEGRAL TO LIGHT ND SHALL BE CHANGEABLE TYPE BATTERY. BASIS OF DESIGN - LAKE IL-R.	14.	EQU WHI A. W IN WHI (CL/ AFF A.
2.	MOUNTED L TYPE LENS FIXTURE SH FOR AUTOM STABILIZED SWITCHING WITH CONS	REEN SEALED IP 67 (MINIMUM) RATED SOLAR POWERED POST TOP LED LIGHT FIXTURE. LIGHT FIXTURE SHALL HAVE 360-DEGREE FRESNEL WITH ENCAPSULATED SOLAR PANEL BUILT INTO FIXTURE. LIGHT IALL OPERATE FROM DUSK TO DAWN AND HAVE BUILT-IN PHOTO-CELL MATIC ACTIVATION. LIGHT FIXTURE HOUSING SHALL BE MADE OF UV POLYCARBONATE MATERIAL. LIGHT FIXTURE SHALL BE CAPABLE OF BETWEEN CONSTANT AND FLASHING LIGHT (LIGHT SHALL BE INSTALLED TANT BRIGHTNESS). BATTERIES SHALL BE INTEGRAL TO LIGHT IND SHALL BE CHANGEABLE TYPE BATTERY. BASIS OF DESIGN - LAKE IL-G.		В. С. D. F E.
3.	MOUNTED L TYPE LENS FIXTURE SH FOR AUTOM STABILIZED SWITCHING WITH CONS	HITE SEALED IP 67 (MINIMUM) RATED SOLAR POWERED POST TOP LED LIGHT FIXTURE. LIGHT FIXTURE SHALL HAVE 360-DEGREE FRESNEL WITH ENCAPSULATED SOLAR PANEL BUILT INTO FIXTURE. LIGHT HALL OPERATE FROM DUSK TO DAWN AND HAVE BUILT-IN PHOTO-CELL MATIC ACTIVATION. LIGHT FIXTURE HOUSING SHALL BE MADE OF UV POLYCARBONATE MATERIAL. LIGHT FIXTURE SHALL BE CAPABLE OF BETWEEN CONSTANT AND FLASHING LIGHT (LIGHT SHALL BE INSTALLED TANT BRIGHTNESS). BATTERIES SHALL BE INTEGRAL TO LIGHT ND SHALL BE CHANGEABLE TYPE BATTERY. BASIS OF DESIGN - LAKE IL-W.		F. 1 G. H. I. T 1,
			16.	ALL
			17.	ALL
			18.	ALL COF NOT
			19.	COC CAE ALL
			Í	

1.	ALL WORK AND EQUIPMENT UNDER DIVISION 26 AND 27 SHALL BE IN STRICT COMPLIANCE WITH THE
	CODES, STANDARDS AND PRACTICES LISTED HEREIN, AND THEIR RESPECTIVE DATES ARE
	FURNISHED AS THE MINIMUM LATEST REQUIREMENTS.

- . STATE OF FLORIDA.
- LIFE SAFETY CODE NFPA 101. UNDERWRITERS LABORATORIES, INC. PUBLICATIONS
- . NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
- . AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI). . NATIONAL ELECTRICAL CODE - NFPA 70.
- INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).
- . NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA). . REQUIREMENTS OF LOCAL POWER COMPANY.
- . 2020 FLORIDA BUILDING CODE.
- . THE AMERICANS WITH DISABILITIES ACT (ADA)
- 2. FLORIDA ACCESSIBILITY CODE. 3. CITY LOCAL CODES.
- FER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR RELATED INFORMATION AND DITIONAL INSTALLATION REQUIREMENTS.
- MOUNTING HEIGHTS TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTED. VERIFY ALL JTLET LOCATIONS ON THE JOB PRIOR TO ROUGH-IN.
- IEN INCREASED CONDUCTOR SIZES ARE SHOWN ON THE PLANS, THE LARGER CONDUCTOR E SHALL BE USED THROUGHOUT THE LENGTH OF THE CIRCUIT, INCLUDING NEUTRAL AND GROUND.
- CH BRANCH CIRCUIT RACEWAY SHALL HAVE A FULL SIZE EQUIPMENT GROUND CONDUCTOR. IERE ISOLATED GROUND CIRCUITS ARE SHOWN ON THE PLANS. PROVIDE AN ISOLATED ROUND CONDUCTOR THROUGHOUT THE LENGTH OF THE CIRCUIT IN ADDITION TO THE PHASE, UTRAL AND EQUIPMENT GROUND CONDUCTORS.
- OVIDE 18" LONG (MIN). CONDUIT SLEEVES THRU ALL WALLS WHERE CABLES ARE INDICATED R REQUIRED TO PASS THRU WALLS. PROVIDE BUSHINGS ON BOTH ENDS. SIZE CONDUIT FOR BLES INSTALLED. AT CABLE TRAYS, PROVIDE ONE 4" CONDUIT SLEEVE FOR EACH 4" WIDTH CABLE TRAY. MAXIMUMS SHALL BE. C = 10 CABLES /2"C = 20 CABLES
- C = 30 CABLES C = 50 CABLES
- BRANCH CIRCUIT HOMERUNS SHALL BE ROUTED IN 3/4"C. MINIMUM.
- 3HT SWITCHES SHALL BE MOUNTED 48 INCHES ABOVE FINISHED FLOOR TO CENTER LINE OF VICE, UNLESS NOTED OTHERWISE.
- CEPTACLES SHALL BE LOCATED 18 INCHES ABOVE FINISHED FLOOR TO CENTER LINE OF VICE, UNLESS OTHERWISE NOTED. ABOVE-COUNTER RECEPTACLES SHALL BE MOUNTED 6" OVE BACK SPLASH TO CENTERLINE OF DEVICE UNLESS NOTED OTHERWISE.
- UIPMENT SHALL BE OF MATERIALS SUITABLE FOR AND RATED FOR THE ENVIRONMENT IN HICH THEY ARE TO BE INSTALLED, WITH APPROPRIATE NEMA ENCLOSURE RATING.
- NORKING CLEARANCES AND DEDICATED SPACE FOR ELECTRICAL EQUIPMENT SHALL BE N COMPLIANCE WITH NEC 110.
- IEN ELECTRICAL BOXES ARE LOCATED IN VERTICAL FIRE-RESISTIVE ASSEMBLIES. ASSIFIED AS FIRE/SMOKE AND SMOKE PARTITIONS), THEY SHALL BE INSTALLED WITHOUT FECTING THE FIRE CLASSIFICATION. ALL OF THE FOLLOWING CONDITIONS SHALL BE MET:
- ALL ELECTRICAL BOXES SHALL BE METALLIC.
- BOX OPENING SHALL OCCUR ONLY ON ONE SIDE OF FRAMING SPACE.
- BOX OPENING SHALL NOT EXCEED 16 SQUARE INCHES.
- ALL CLEARANCES BETWEEN OUTLET BOX AND GYPSUM BOARD SHALL BE COMPLETELY FILLED WITH JOINT COMPOUND (OR OTHER APPROVED MATERIAL).
- PROVIDE A WALL AROUND OUTLETS LARGER THAT 16 SQUARE INCHES. THE INTEGRITY OF THE WALL RATING SHALL BE MAINTAINED.
- THE TOTAL AGGREGATE SURFACE AREA OF THE BOXES SHALL NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET.
- . OUTLET BOXES LOCATED ON OPPOSITE SIDES OF FIRE-RESISTIVE ASSEMBLIES SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES.
- OUTLET BOXES SHALL BE SECURELY FASTENED TO WALL FRAMING MEMBERS.
- THE OPENING IN THE GYPSUM BOARD FACING SHALL BE CUT NOT TO EXCEED 1/8 INCH BETWEEN THE EDGES OF THE OUTLET BOX AND THE EDGES OF THE OPENING.
- L DEVICES SHALL BE MOUNTED VERTICAL, UNLESS OTHERWISE NOTED.
- L RECEPTACLES SHALL BE MOUNTED SUCH THAT THE GROUND PIN IS MOUNTED UP.
- BRANCH CIRCUIT CONDUITS SHALL CONTAIN A MINIMUM OF (2) #12AWG INSULATED PPER CONDUCTORS, PLUS A MINIMUM OF (1) #12AWG GROUND WIRE UNLESS OTHERWISE TED. ALL BRANCH CIRCUITS AND FEEDERS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS.
- ORDINATE THE LOCATION OF ALL DEVICES AND BOXES WITH WINDOWS, BUILT-INS, AND BINETS PRIOR TO INSTALLATION OF CONDUITS OR BOXES. CONTRACTOR SHALL CONSULT L CONTRACT DRAWINGS TO VERIFY CONFLICTS PRIOR TO BIDDING.

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

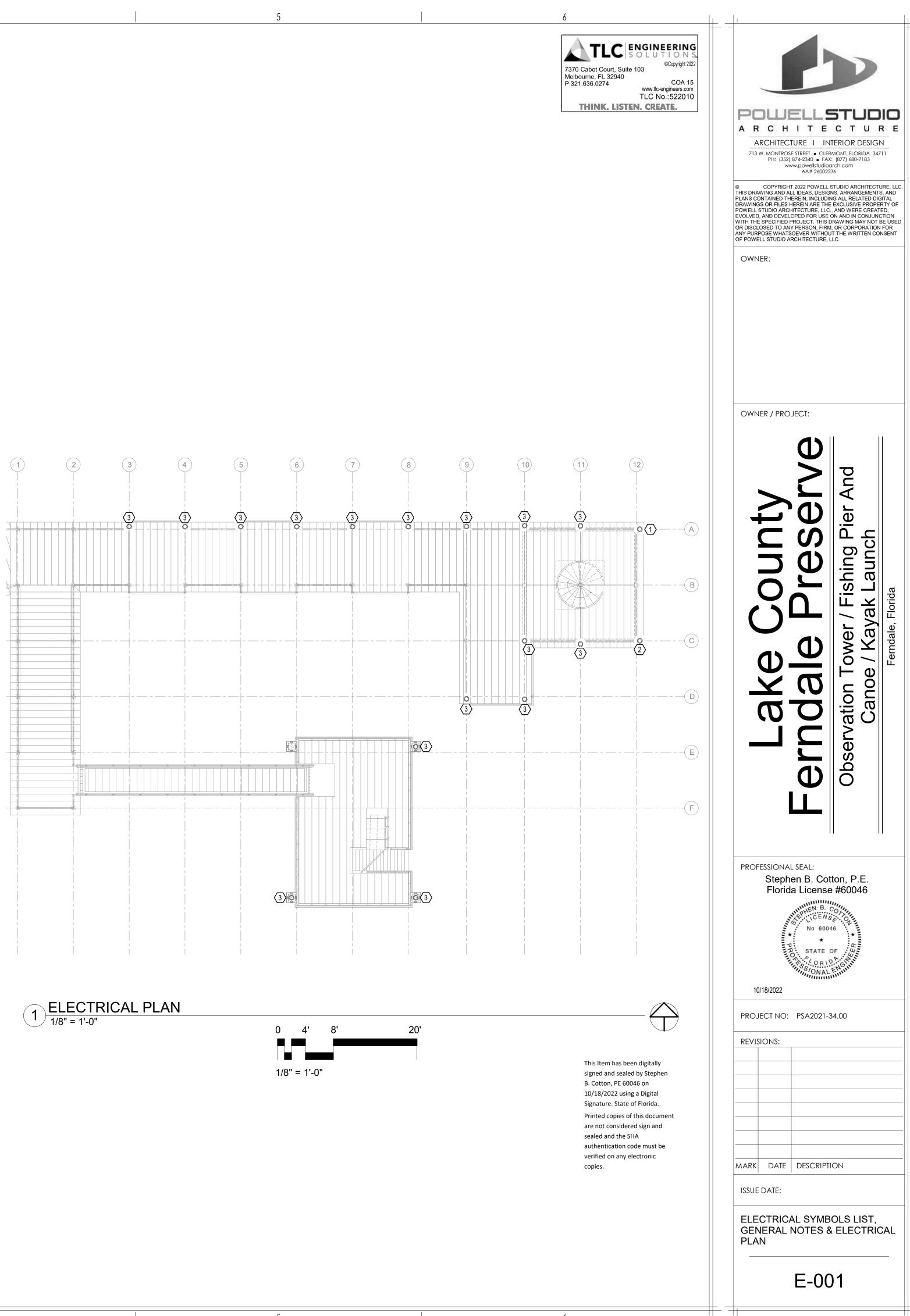
GENERAL NOTES:

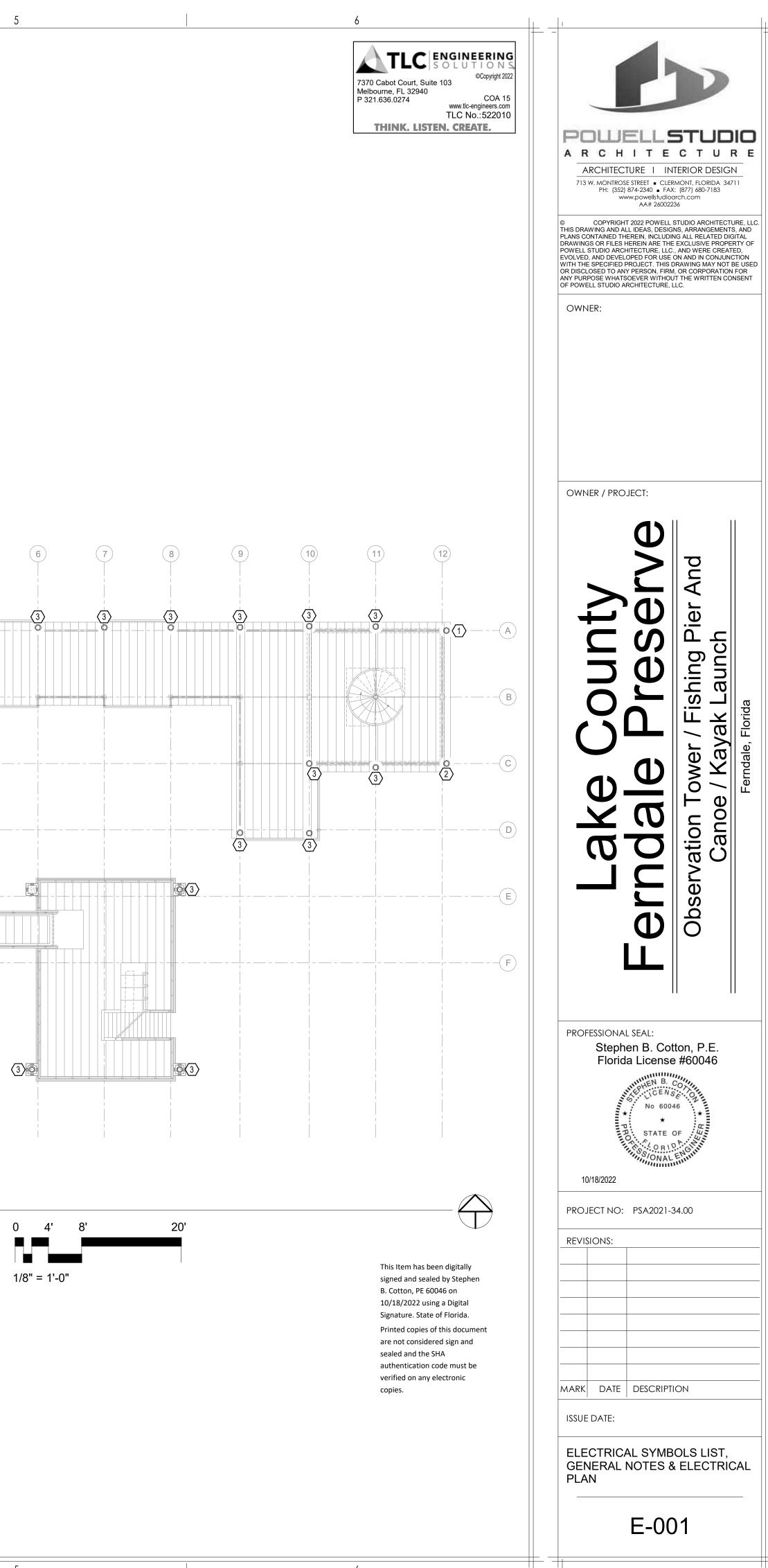
- 23. LOCATIONS OF EQUIPMENT SPECIFIED BY OTHER TRADES OR PROVIDED BY OWNER ARE APPROXIMATE. COORDINATE EXACT LOCATIONS IN FIELD PRIOR TO ROUGHING IN AND ROUTING CONDUIT.
- 25. CONTRACTOR SHALL UPSIZE FEEDER AND BRANCH CIRCUIT WIRE SIZE AS REQUIRED TO COMPENSATE VOLTAGE DROP FROM LENGTHENING OF CIRCUITS DUE TO FIELD ROUTING. FINAL INSTALLATION SHALL MEET FLORIDA BUILDING CODE REQUIREMENT OF: MAXIMUM BRANCH CIRCUIT VOLTAGE DROP OF 3%:
- 26. REFER TO VOLTAGE DROP CHART BELOW FOR CONDUCTOR SIZES FOR BRANCH CIRCUITS

120 VOLT	MIN. CONDUCTOR
CIRCUIT LENGTH	UP SIZE FOR VOLTAGE
0 - 70'	DROP
71' - 115'	#12 AWG
116' - 180'	#10 AWG
	#8 AWG
181' AND ABOVE TO BE SUB	MITTED BY EC AND APPROVED BY ENGINEER.
277 VOLT	MIN. CONDUCTOR
CIRCUIT LENGTH	UP SIZE FOR VOLTAGE
0' - 140'	DROP
141' - 220'	#12 AWG
221' - 350'	#10 AWG
	#8 AWG

351' AND ABOVE TO BE SUBMITTED BY EC AND APPROVED BY ENGINEER.

- CONTRACTOR SHALL PROVIDE WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE RECORD 30. DRAWINGS OF THE ACTUAL INSTALLATION INCLUDING: SINGLE LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.
- 31. TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THESE PLANS AND SPECIFICATIONS COMPLY WITH THE 2020 FLORIDA BUILDING CODE AND THE FLORIDA FIRE PREVENTION CODE (2020) AND ALL LOCAL CODES AND ORDINANCES.





STRUCTURAL ABBREVIATIONS

LB

LL

LLH

LLV

LONG.

LSL

LT WT

MATL

MAX

MB

MC

MECH MET

MFR

MID

MIN

MISC

MO

MPH

NGVD

NIC

NO.

NS

NTS

OC

OD

O.F.

OPNG

OPP

OSB

P/C

P/T

PAR

PCB

PCC

PCF

PEN

P.J.

PLF

PLY.

PSI

PSL

R/W

RD

REF

REINF

REQD

SCHED

REV

RTU

SB

S.F.

SIM

SPC

SQ SS

STD

STL

SYM

TB

T&B

тсх

TDS

TEMP

TENS

THD

THK

TOL

TS

T.S.

TWF

TYP

UNO

VERT

VOL

VIF

W/ W/O

WD

WF

WP

W.P.

WS

WΤ

C.L.

WWF

TRANS

TE

STIFF

STRUCT

SPECS

SF

PT

PLMG

PREFAE PSF

PL

PEMB

LVL

LGTH

ABBREV ABBREVIATION AMERICAN CONCRETE INSTITUTE ACI ADD ADDITIVE ADDL ADDITIONAL ABOVE FINISHED FLOOR AFF AMERICAN INSTITUTE OF STEEL CONSTRUCTION AISC AISI AMERICAN IRON AND STEEL INSTITUTE ALT ALTERNATE/ALTERNATIVE ALUMINUM ALUM ARCHITECTURE/ARCHITECTURAL ARCH AMERICAN SOCIETY OF TESTING MATERIALS ASTM AWS AMERICAN WELDING SOCIETY BOTTOM OF BOTTOM CHORD EXTENSION BCX BUILDING BLDG BLOCK BLK BM BEAM BOT BOTTOM BP BASE PLATE/BEARING PLATE BRG BEARING BETWEEN BTWN CHANNEL CONCRETE BEAM CB CONCRETE COLUMN CC CUBIC FEET (FOOT) CF CIP CAST IN PLACE CJ CONTRACTION JOINT CENTERLINE CL CLR CLEAR/CLEARANCE CM CONCRETE MASONRY CONCRETE MASONRY UNIT CMU CO COMPANY COLUMN COL CONC CONCRETE CONTINUOUS CONT CONNECTION CONN CONST CONSTRUCTION COORD COORDINATE CSJ CONSTRUCTION JOINT CTR CENTER CTRD CENTERED CY CUBIC YARD DEPARTMENT DEPT DET DETAIL DIAMETER DIA DIAG DIAGONAL DIM DIMENSION DIST DISTANCE DL DEAD LOAD DN DOWN DRAWING DWG EACH ΕA EACH END EE EACH FACE EF EHPA EMERGENCY HURRICANE PROTECTION AREA EXPANSION JOINT EJ ELECTRIC/ELECTRICAL ELEC ELEVATION EL, ELEV ENGR ENGINEER EDGE OF DECK EOD EOR ENGINEER OF RECORD EQ SP EQUAL SPACED EACH SIDE ES EW EACH WAY EXISTING EXIST EXP EXPANSION EXT EXTERIOR FOUNDATION FLOOR DRAIN FD FDN FOUNDATION FINISHED FLOOR FF FIN FINISH FINISH GRADE FIN GR FLR FLOOR FAR SIDE FS FT FEET/FOOT FTG FOOTING GA GAGE/GAUGE GALVANIZED GALV GRADE BEAM GB GENERAL CONTRACTOR GC GEN GENERAL GRID LINE GL GALVANIZED STEEL GS HOT DIPPED HD HDG HOT DIPPED GALVANIZED HORIZ HORIZONTAL HEADED STUD ANCHOR HSA HOLLOW STRUCTURAL SECTION HSS HT HEIGHT MOMENT OF INERTIA ID INSIDE DIAMETER INSIDE FACE LF IN. INCH INT INTERIOR JST JOIST JOINT JT KIP (1000 LB) KLF KIPS PER LINEAL FOOT KSI KIPS PER SQUARE INCH KWY KEYWAY

DNS	<u>STR</u>	UCTURAL
POUND LENGTH LIVE LOAD LONG LEG HORIZONTAL LONG LEG VERTICAL LONGITUDINAL LAMINATED STRAND LUMBER LIGHT WEIGHT LAMINATED VENEER LUMBER		DETAIL NUMBER
MATERIAL MAXIMUM MASONRY BEAM MISCELLANEOUS CHANNEL/MASONRY COLUMN MECHANICAL METAL MANUFACTURE/MANUFACTURER MIDDLE MINIMUM MISCELLANEOUS MASONRY OPENING MILES PER HOUR		SHEET NUMBER
NATIONAL GEODETIC VERTICAL DATUM NOT IN CONTRACT NUMBER NEAR SIDE NOT TO SCALE		SLOPE
ON CENTERS OUTSIDE DIAMETER OUTSIDE FACE OPENING OPPOSITE ORIENTED STRAND BOARD		− RUN 12 12 R
PRECAST CONCRETE/PILE CAP POST TENSIONED PARALLEL PRECAST CONCRETE BEAM PRECAST CONCRETE COLUMN POUNDS PER CUBIC FEET PRE-ENGINEERED METAL BUILDING PENETRATION PANEL JOINT CENTERLINE PLATE POUNDS PER LINEAR FOOT PLUMBING PLYWOOD PREFABRICATED POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PARALLEL STRAND LUMBER PRESSURE TREATED		
REINFORCED WITH ROOF DRAIN REFERENCE REINFORCING REQUIRED REVISION ROOF TOP UNIT		• T/ X'-X"
SOFFIT BEAM SCHEDULE SQUARE FEET STRIP FOUNDATION SIMILAR SPACE/SPACES SPECIFICATIONS SQUARE STAINLESS STEEL STANDARD STIFFENER STEEL STRUCTURAL SYMMETRICAL		
TOP OF TIE BEAM TOP AND BOTTOM TOP CHORD EXTENSION TURN DOWN SLAB THICKENED EDGE TEMPERATURE TENSION THREAD/THREADED THICK TOLERANCE TRANSVERSE TUBE STEEL THICKENED SLAB THICKENED WALL FOUNDATION TYPICAL		
UNLESS NOTED OTHERWISE		
VERTICAL VERIFY IN FIELD VOLUME		
WIDE FLANGE SECTION WITH WITHOUT WOOD WALL FOOTING WATERPROOF WORKING POINT WELDED STUD WEIGHT/STRUCTURAL TEE SECTION WELDED WIRE FABRIC		NOTE: SYMI GENERIC AN ACTUAL OCU
AT DESIGNATION POUNDS / REBAR SIZE NUMBER PLUS OR MINUS ANGLE CENTER LINE		STRUCT
CENTER LINE AND SECTION MODULUS MOMENT OF INERTIA	SHEET # S001 S002	STRUCTURAL ABBR

STRUCTURAL

STRUCTURAL DETAILS

STRUCTURAL DETAILS

S100

S101A

S101B

S102A

S102B

S103

S301

S501

S502

CTURAL SYN	IBOLS AND LEGEND		010000 GENERAL NOTES
- DETAIL NUMBER		1.	STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR OPENINGS, DEPRESSIONS, EQUIPMENT WEIGHTS AND LOCATIONS, EMBEDDED ITEMS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
	SECTION / DETAIL MARK	2.	DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BEFORE
		3.	PROCEEDING WITH THE AFFECTED PART OF THE WORK. NO STRUCTURAL MEMBER OR COMPONENT SHALL BE CUT, NOTCHED, OR OTHERWISE ALTERED UNLESS APPROVED IN WRITING BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS INCURRED BY THE
	PLAN / DETAIL MARK	4.	ENGINEER OF RECORD FOR REVIEW OF ANY SUCH DEVIATIONS. DO NOT SCALE DRAWINGS.
		5.	THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIE DOWNS.
• T/ X'-X"	ELEVATION MARK	6.	DETAILS LABELED "TYPICAL DETAILS" ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE
A A A A A A A A A A A A A A A A A A A	RECESS OR STEP IN SLAB		SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE DRAWINGS CAN BE DETERMINED BY THE TITLE OF DETAIL. SUCH DETAILS SHALL APPLY WHETHER OR NOT THEY ARE REFERENCED AT EACH LOCATION. QUESTIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE
SLOPE	SLOPED SURFACE	7.	ENGINEER OF RECORD. THE GENERAL CONTRACTOR SHALL COMPARE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL AND STRUCTURAL DRAWINGS AND REPORT ANY
FUN ↓ 12 ↓ 4 → RISE	PITCHED ROOF		DISCREPANCIES BETWEEN EACH SET OF DRAWINGS AND WITHIN EACH SET OF DRAWINGS TO THE ARCHITECT AND ENGINEER OF RECORD PRIOR TO THE FABRICATION AND INSTALLATION OF ANY STRUCTURAL MEMBERS.
	PLAN NOTE	8.	THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, SEQUENCE AND SAFETY. THE ENGINEER DOES NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION
	MOMENT CONNECTION		MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
HSS	PRECAST PILE AND PILE CAP MARK	9.	THE STRUCTURAL ENGINEER'S OBLIGATIONS TO REVIEW SHOP DRAWINGS AND OTHER SUBMITTALS AND TO RETURN THEM IN A TIMELY MANNER ARE CONDITIONED UPON THE PRIOR REVIEW AND APPROVAL OF THE SHOP DRAWINGS OR SUBMITTALS BY THE CONTRACTOR AS REQUIRED IN THE CONSTRUCTION CONTRACT AND THE CONTRACTOR'S SUBMITTAL OF THE SHOP DRAWINGS AND OTHER SUBMITTALS IN ACCORDANCE WITH A WRITTEN SCHEDULE DISTRIBUTED IN ADVANCE TO THE
↓ T/ X'-X"	SPOT ELEVATION, TYPICALLY TOP OF ITEM TAGGED (T/WALL, T/FOUNDATION, ETC)	10.	ENGINEER IDENTIFYING THE DATES FOR THE SUBMITTAL OF THE VARIOUS SHOP DRAWINGS AND SUBMITTALS. PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF TLC ENGINEERING SOLUTIONS, INC IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHALL NOT BE CONSTRUED
<u> </u>	SPAN DIRECTION	11.	AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK. ALL STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXCEED LIFE SPAN AND TO ENSURE STRUCTURAL INTEGRITY FROM EXPOSURE TO THE ENVIRONMENT. A PLANNED PROGRAM OF MAINTENANCE SHALL BE ESTABLISHED BY THE OWNER. THIS PROGRAM
	NORTH ARROW		SHALL INCLUDE ITEMS SUCH AS, BUT NOT LIMITED TO, PAINTING OF STRUCTURAL STEEL, PROTECTIVE COATINGS FOR CONCRETE, SEALANTS, CAULKED JOINTS, EXPANSION JOINTS, CONTROL JOINTS, SPALLS AND CRACKS IN CONCRETE, AND PRESSURE WASHING OF EXPOSED STRUCTURAL ELEMENTS EXPOSED TO SALT ENVIRONMENT OR OTHER HARSH CHEMICALS.
X 	COLUMN GRID LINE	12.	STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR THE DESIGN OF STEEL STAIRS, HANDRAILS, CURTAIN WALL/WINDOW WALL SYSTEMS, COLD-FORMED STEEL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
		13.	IN THE PROFESSIONAL OPINION OF TLC ENGINEERING SOLUTIONS, INC. THE STRUCTURAL CONTRACT DOCUMENTS FOR THIS PROJECT HAVE BEEN PREPARED IN ACCORDANCE WITH THE DESIGN CRITERIA AS SET FORTH IN THE FLORIDA BUILDING CODE (FBC) 7th EDITION (2020), 2018 INTERNATIONAL BUILDING CODE (IBC).
	PRECAST CONCRETE PILE ABOVE	14.	NO PROVISIONS HAVE BEEN MADE FOR VERTICAL OR HORIZONTAL EXPANSION EXCEPT AS SHOWN ON CONTRACT DOCUMENTS.
 +	PRECAST CONCRETE PILE BELOW	15. 16.	FINISH FLOOR ELEVATION FIRST FLOOR OF 0'-0" IS USED AS A REFERENCE ELEVATION. SEE CIVIL DRAWINGS FOR ACTUAL ELEVATION. THE USE OF REPRODUCTIONS OF THESE CONTRACT DOCUMENTS AND USE OF CAD FILES BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR OR MATERIAL
		17.	CONFLICT ON INFORMATION, THE STRUCTURAL CONTRACT DRAWINGS SHALL
	PRECAST CONCRETE PLANK		SUPERSEDE THE SPECIFICATIONS. 010002 DESIGN LOADS
		1.	THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 7th EDITION (2020), AND AS SUPPLEMENTED BY
	METAL ROOF DECK	2.	LOCAL AMENDMENTS. THE FOLLOWING SUPERIMPOSED LOADINGS HAVE BEEN UTILIZED: A. DEAD LOADS:
	LEGEND SHOWN ARE NECESSARILY INDICATE ES IN THESE DRAWINGS.		ROOF STRUCTURE 10 PSF M/E/P LOADS 5 PSF PRECAST CONCRETE PLANKS 50 PSF
STRUCTURAL SI			B. LIVE LOADS ROOF 20 PSF
	EET TITLE		MARINE DOCK100 PSFFLOATING DOCK GANGWAY100 PSFFLOATING DOCK LAUNCH AREA40 PSFASSEMBLY AREAS (ELEVATED)100 PSFSTAIRS AND EXITS100 PSF
RALL SITE PLAN AND C8 LOCATION PLAN LOCATION PLAN	&C WIND PRESSURES		GUARDRAILS/HANDRAILS 50 PLF (UNIFORM) 200 LBS (CONCENTRATED) C. WIND LOADS: PER FLORIDA BUILDING CODE, SECTION 1609. SEE SHEET S 002 FOR COMPONENTS AND CLADDING DRESSURES
FLOOR FRAMING PLAN FLOOR FRAMING PLAN ER FLOOR AND ROOF F	RAMING PLAN		SEE SHEET S-002 FOR COMPONENTS AND CLADDING PRESSURES.ULTIMATE DESIGN WIND SPEED, Vult133 MPH (3 SEC. GUST)NOMINAL DESIGN WIND SPEED, Vasd103 MPH (3 SEC. GUST)RISK CATEGORYIIEXPOSURED
UCTURAL ELEVATIONS			D. FLOOD LOADS: PER ASCE 7-16 FOR COASTAL A ZONES.

FLOOD LOADS: PER ASCE 7-16 FOR COASTAL A ZONES. D.



013100 REQUEST FOR INTERPRETATION

RFI SHALL ORIGINATE WITH CONTRACTOR AND SHALL BE SUBMITTED IN THE FORM SPECIFIED WITHIN CONTRACT DOCUMENTS. RFI SHALL BE SUBMITTED IN A PROMPT MANNER AS TO AVOID DELAYS IN CONTRACTORS WORK.

RFI SHALL BE SUBMITTED AS SPECIFIED WITHIN THE CONTRACT DOCUMENTS AND SHALL BE FORWARDED TO THE ENGINEER VIA THE ARCHITECT OR DIRECTLY TO THE ENGINEER BY THE CONTRACTOR WHEN APPROVED BY THE ARCHITECT.

ENGINEER SHALL TAKE UP TO 5 BUSINESS DAYS TO REVIEW AND RETURN RFI'S. HOWEVER, THE ENGINEER WILL ATTEMPT TO EXPEDITE THE REVIEW OF ALL RFI'S WITHIN A REASONABLE TIME FRAME.

RFI RESPONSES ARE NOT INTENDED TO AUTHORIZE ANY INCREASE IN CONSTRUCTION COST, SCHEDULE OR TIME EXTENSIONS, OR CONSTRUCTION IN CONFLICT WITH ANY APPLICABLE CODES OR SPECIFIED DESIGN STANDARDS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE DESIGN TEAM IMMEDIATELY OF ANY PERCEIVED SCOPE, SCHEDULE, OR COST IMPACTS OR ADJUSTMENTS. IF CONTRACTOR REQUESTS ANY ADDITIONAL COST, INCREASE IN SCHEDULE OR ADJUSTMENT IN SCOPE, THE CONTRACTOR SHALL NOT PROCEED WITH ADDITIONAL WORK UNTIL APPROVED IN WRITING BY THE CONSTRUCTION ADMINISTRATOR.

013301 SHOP DRAWING REVIEW

SHOP DRAWINGS SHALL ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN ON THE CONTRACT DOCUMENTS. SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH. ELEVATIONS, DIMENSIONS, ETC. REVIEW OF SUBMITTALS AND SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THE SHOP DRAWINGS.

SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR AND MARKED "APPROVED" PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. NON-CONFORMING DRAWING SUBMITTALS WILL BE RETURNED WITHOUT REVIEW.

THE CONTRACT DOCUMENTS WILL GOVERN OVER THE SHOP DRAWINGS UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ENGINEER OF RECORD.

CHANGES AND ADDITIONS MADE ON RE-SUBMITTALS SHALL BE CLEARLY FLAGGED AND NOTED. THE PURPOSE OF THE RE-SUBMITTALS SHALL BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. ARCHITECT/ENGINEER OF RECORD REVIEW WILL BE LIMITED TO THOSE ITEMS CAUSING THE RE-SUBMITTAL. CONTRACTOR IS RESPONSIBLE FOR COSTS CAUSED BY MULTIPLE RE-SUBMITTALS (MORE THAN ONE) AT ARCHITECT/ENGINEERS' CURRENT HOURLY RATES.

013302 SHOP DRAWINGS FOR SPECIALTY ENGINEERED PRODUCTS

THE FOLLOWING SYSTEMS AND COMPONENTS AS A MINIMUM REQUIRE FABRICATION AND ERECTION DRAWINGS PREPARED BY A DELEGATED ENGINEER:

- PREFABRICATED STEEL STAIRS
- STRUCTURAL PRECAST CONCRETE DECK SYSTEMS Β.
- C. METAL ROOF DECK ASSEMBLIES
- D. PRECAST CONCRETE PILES
- Ε. RAILINGS
- F. FLOATING DOCK AND KAYAK LAUNCH

SUBMITTALS SHALL CLEARLY IDENTIFY THE SPECIFIC PROJECT AND APPLICABLE CODES, LIST THE DESIGN CRITERIA, AND SHOW ALL DETAILS AND DRAWINGS NECESSARY FOR PROPER FABRICATION AND INSTALLATION. SHOP DRAWINGS AND CALCULATIONS SHALL IDENTIFY SPECIFIC PRODUCT UTILIZED. GENERIC PRODUCTS WILL NOT BE ACCEPTED.

SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED UNDER THE DIRECT SUPERVISION AND CONTROL OF THE DELEGATED ENGINEER.

SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. COMPUTER PRINTOUTS ARE AN ACCEPTABLE SUBSTITUTE FOR MANUAL COMPUTATIONS PROVIDED THEY ARE ACCOMPANIED BY SUFFICIENT DESCRIPTIVE INFORMATION TO PERMIT THEIR PROPER EVALUATION. SUCH DESCRIPTIVE INFORMATION SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA AS AN INDICATION THAT HE/SHE HAS ACCEPTED RESPONSIBILITY FOR THE RESULTS. THE STRUCTURAL ENGINEER WILL RETAIN ONE SIGNED AND SEALED SET FOR THEIR RECORDS.

DRAWINGS PREPARED SOLELY TO SERVE AS A GUIDE FOR FABRICATION AND INSTALLATION (SUCH AS REINFORCING STEEL SHOP DRAWINGS OR STRUCTURAL STEEL ERECTION DRAWINGS) AND REQUIRING NO ENGINEERING, DO NOT REQUIRE THE SEAL OF A DELEGATED ENGINEER.

CATALOG INFORMATION ON STANDARD PRODUCTS DOES NOT REQUIRE THE SEAL OF A DELEGATED ENGINEER.

REVIEW BY THE STRUCTURAL ENGINEER OF RECORD OF SUBMITTALS IS LIMITED TO VERIFYING THE FOLLOWING:

- A. THAT THE SPECIFIED STRUCTURAL SUBMITTALS HAVE BEEN FURNISHED.
- THAT THE STRUCTURAL SUBMITTALS HAVE BEEN SIGNED AND SEALED BY THE В. DELEGATED ENGINEER.
- THAT THE DELEGATED ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AND C. HAS USED THE SPECIFIED STRUCTURAL CRITERIA. NO DETAILED CHECK OF CALCULATIONS WILL BE MADE.
- D. THAT THE CONFIGURATION SET FORTH IN THE STRUCTURAL SUBMITTALS IS CONSISTENT WITH THE CONTRACT DOCUMENTS. NO DETAILED CHECK OF DIMENSIONS OR QUANTITIES WILL BE MADE.

SUBMITTALS NOT MEETING THE ABOVE CRITERIA WILL NOT BE REVIEWED AND WILL BE RETURNED.

PH: (352 W © COPYRIGH THIS DRAWING AND / PLANS CONTAINED TI DRAWINGS OR FILES	I T E CLERME SE STREET • CLERME 2) 874-2340 • FAX: (ww.powellstudioarc AA# 26002236 HT 2022 POWELL ST ALL IDEAS, DESIGNS HEREIN, INCLUDING HEREIN ARE THE E	C T U R RIOR DESIGN ONT, FLORIDA 34711 877) 680-7183 h.com UDIO ARCHITECTUR , ARRANGEMENTS, J ALL RELATED DIGIT XCLUSIVE PROPERT	E, LLC. AND AL Y OF
POWELL STUDIO ARC EVOLVED, AND DEVE WITH THE SPECIFIED OR DISCLOSED TO AT ANY PURPOSE WHAT OF POWELL STUDIO OWNER:	LOPED FOR USE ON PROJECT. THIS DR Y PERSON, FIRM, C SOEVER WITHOUT ARCHITECTURE, LLC	I AND IN CONJUNCT AWING MAY NOT BE DR CORPORATION FO THE WRITTEN CONS	ON USED OR
Lake County	Ferndale Preserve	Observation Tower / Fishing Pier And Canoe/Kayak Launch	Ferndale, Florida
GARY C KRUEGER 10/24/2022 PROJECT NO: REVISIONS:	AL SEAL: C. KRUEG da License C. KRUE C. KRUE C. KRUE C. KRUE C. KRUE No 40788 ***********************************	#40788	
MARK DATE ISSUE DATE: STRUCTU AND SYME	5/12/2 RAL ABBRI	2 EVIATIONS	-

10/26/2022

	ALL SHOP DRAW CONTRACTOR PF	INGS MUST BE RE			PROVED BY T	HE GENERAL
<u>2</u> .	THE GENERAL CO			ENGINEER F	REVIEW SHOF	DRAWINGS
	FOR THE FOLLOW	WING ITEMS:		-	-	-
		EMS MARKED (D) ROFESSIONAL EN				
		EMS MARKED (#) NLY.	SHALL BE SUBN	IITTED FOR	ENGINEERS F	RECORD
	A. REINFOR	CING STEEL				
	B. PRECAST	CONCRETE PILE	S (D)			
		RICATED STEEL S				
		OOF OR FORM DE TE MIX DESIGNS	ECK			
		ICAL ANCHORS (#	£)			
	G. RAILINGS	;	,			
	H. METAL RO	OOF DECK ASSEM	MBLIES (D)			
		JRAL PRECAST CO		SYSTEM (D))	
	J. FLOATING					
).		R ALL MATERIALS				
	SHALL BE ASTM /	032000 RE				
•	AND PLACED IN A DETAILS OF ACI S	ACCORDANCE WI	TH THE TYPICAL	BENDING D		
	PROVIDE CONCR			FORCEMEN	IT, TIES, AND	STIRRUPS, AS
	FOLLOWS, UNLES	SS OTHERWISE N			MINIMUM COV	'FR
		TE CAST AGAINS	_	-	ALL BARS 3"	
		ENTLY EXPOSED				-0.0"
	B. CONCRE	TE EXPOSED TO I	EARTH OR WEA		#6 OR GREATI #5 OR SMALLE	
	SECURE APPRO					ATION.
	PROVIDE STAND					-R SUPPORTS
	AND TOP BARS A		AN. ALL OTHER	LAP SPLICE	S SHALL BE I	
	PROVIDE DOWEL					МАТСН
	LENGTH OF LAP			·		ABLE, UNLESS
	OTHERWISE NOT			(000 50)	5000 5	0
	T<12" #6	<u>AR SIZE</u> 6 OR LESS	<u>3000 PSI</u> 57 Db	<u>4000 PSI</u> 49 Db	<u>5000 P</u> 44 Db	<u>SI</u>
	#7	7 OR MORE	71 Db	61 Db	55 Db	
		6 OR LESS 7 OR MORE	74 Db 81 Db	65 Db 79 Db	57 Db 72 Db	
	WHERE "T" IS DE	PTH OF CONCRE	TE UNDER BARS	S AND "Db" IS	BAR DIAMET	
	UTILIZE CLASS "E					
•	EXTEND DEEP EN STRENGTH OF TH	NOUGH INTO SUP	PORTING STRU	CTURE TO D	EVELOP THE	FULL
	SUPPORTING STI CONFINEMENT, A			SFY ACI 318	HOOK DEVEL	OPMENT,
		00000		гтг		
	SHALL BE PER AN				O ACHIEVE A S	STRENGTH AT
-	SHALL BE PER AN 28 DAYS AS LISTE	N APPROVED MIX ED BELOW WITH /	DESIGN PROPC	RTIONED TO		STRENGTH AT
	28 DAYS AS LISTE <u>CONCRETE</u> <u>STRUCTURE</u>	N APPROVED MIX	DESIGN PROPC	NTIONED TO WORKABLE		MAXIMUM
	28 DAYS AS LISTE <u>CONCRETE</u> <u>STRUCTURE</u> <u>TYPE</u>	N APPROVED MIX ED BELOW WITH / <u>COMPRESS</u> <u>STRENGTH</u>	DESIGN PROPC A PLASTIC AND V <u>SIVE SLU</u>	NRTIONED TO WORKABLE I I <u>MP</u> <u>I</u>	MIX: Maximum Aggregate	<u>MAXIMUM</u> W/C RATIO
	28 DAYS AS LISTE <u>CONCRETE</u> <u>STRUCTURE</u> <u>TYPE</u> PILE CAPS PRECAST PILES	N APPROVED MIX ED BELOW WITH / COMPRESS STRENGTH 6000 PSI 6000 PSI	DESIGN PROPC A PLASTIC AND V SIVE <u>SLU</u> <u>1</u> 4-6" 4-6"	NRTIONED TO WORKABLE I I <u>MP</u> <u>I</u>	MIX: MAXIMUM AGGREGATE 1" 3/4"	MAXIMUM W/C RATIO 0.40 0.40
	28 DAYS AS LISTE <u>CONCRETE</u> <u>STRUCTURE</u> <u>TYPE</u> PILE CAPS	N APPROVED MIX ED BELOW WITH / COMPRESS STRENGTH 6000 PSI 6000 PSI 6000 PSI	DESIGN PROPC A PLASTIC AND V SIVE <u>SLU</u> <u>1</u> 4-6" 4-6"	NRTIONED TO WORKABLE I I <u>MP</u> <u>I</u>	MIX: MAXIMUM AGGREGATE 1" 3/4"	MAXIMUM W/C RATIO 0.40 0.40
-	28 DAYS AS LISTE <u>CONCRETE</u> <u>STRUCTURE</u> <u>TYPE</u> PILE CAPS PRECAST PILES CONCRETE SHAL	N APPROVED MIX ED BELOW WITH / COMPRESS STRENGTH 6000 PSI 6000 PSI 6000 PSI LL BE PLACED AN COUSE. MIX DESIGN V O USE. MIX SHAL FICATION. MIX SHAL	DESIGN PROPC A PLASTIC AND V SIVE SLU 4-6" 4-6" D CURED ACCO VITH RECENT FII L BE UNIQUELY	RTIONED TO WORKABLE I IMP I RDING TO A ELD CYLINDE IDENTIFIED	MIX: MAXIMUM AGGREGATE 1" 3/4" CI STANDARD ER OR LAB TE BY MIX NUMB	MAXIMUM W/C RATIO 0.40 0.40 S AND STS FOR ER OR OTHER
	28 DAYS AS LISTE <u>CONCRETE</u> <u>STRUCTURE</u> <u>TYPE</u> PILE CAPS PRECAST PILES CONCRETE SHAL SPECIFICATIONS SUBMIT PROPOS REVIEW PRIOR T POSITIVE IDENTIF	N APPROVED MIX ED BELOW WITH / COMPRESS STRENGTH 6000 PSI 6000 PSI 6000 PSI LL BE PLACED AN CO USE. MIX SHAL FICATION. MIX SHAL FICATION. MIX SHAL GATE. LL COMPLY WITH (ING, TRANSPORT	DESIGN PROPC A PLASTIC AND V SIVE SLU 4-6" 4-6" D CURED ACCO VITH RECENT FIE L BE UNIQUELY IALL MEET THE I THE REQUIREM	RTIONED TO WORKABLE I IMP I RDING TO A ELD CYLINDE IDENTIFIED REQUIREME ENTS OF AS	MIX: <u>MAXIMUM</u> <u>AGGREGATE</u> 1" 3/4" CI STANDARD ER OR LAB TE BY MIX NUMB NTS OF ASTM TM STANDAR	MAXIMUM W/C RATIO 0.40 0.40 S AND S AND STS FOR ER OR OTHER I C33 FOR D C94 FOR
	28 DAYS AS LISTE CONCRETE STRUCTURE TYPE PILE CAPS PRECAST PILES CONCRETE SHAL SPECIFICATIONS SUBMIT PROPOS REVIEW PRIOR T POSITIVE IDENTIF COARSE AGGREG CONCRETE SHAL MEASURING, MIX STAMPED WHEN THE MAXIMUM TH DEPOSITED IN ITS HOURS. IF FOR A THE CONCRETE S THE CONCRETE S HOURS. IF FOR A	N APPROVED MIX ED BELOW WITH / COMPRESS STRENGTH 6000 PSI 6000 PSI 6000 PSI 6000 PSI LL BE PLACED AN COUSE. MIX SHAL FICATION. MIX SH GATE. LL COMPLY WITH CONCRETE IS BA ME ALLOWED FRO ANY REASON THE SHALL BE DISCAF NOTIFY THE OWN	DESIGN PROPC A PLASTIC AND V SIVE SLU 4-6" 4-6" 0 CURED ACCO VITH RECENT FIE L BE UNIQUELY 1ALL MEET THE I THE REQUIREM THE REQUIREM THE REQUIREM SHALL NOT EX SHALL NOT EX SHALL NOT EX RE IS A LONGER RDED. IT SHALL NER'S REPRESE	RTIONED TO WORKABLE I IMP I RDING TO A ELD CYLINDE IDENTIFIED REQUIREME ENTS OF AS CRETE TICKI IE MIXING W CEED ONE A R DELAY THA BE THE RES	MIX: <u>MAXIMUM</u> <u>AGGREGATE</u> 1" 3/4" CI STANDARD ER OR LAB TE BY MIX NUMB NTS OF ASTM TM STANDAR ETS SHALL BE VATER IS ADDI ND ONE HALF AN THAT STAT SPONSIBILITY	MAXIMUM W/C RATIO 0.40 0.40 S AND S AND STS FOR ER OR OTHER I C33 FOR C C94 FOR TIME D UNTIL IT IS (1-1/2) ED ABOVE, OF THE
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034108 PRECAST CONCRE PRECAST CONCRETE DECK SYSTEMS (DECK, BEAMS, A PERMATRAK OR AN APPROVED EQUAL BY STRUCTURA ENGINEERED PRECAST CONCRETE DECK SYSTEM AND STRUCTURE SHALL BE DESIGNED BY AN ENGINEER RE FLORIDA. PRECAST DECK SYSTEMS SHALL BE OF THE CONFIGUR CONTRACTOR SHALL COORDINATE THE LOCATIONS OF PRECAST PILES, AND PILE CAPS WITH THE STRUCTURA THE CONFIGURATION OF THE PRECAST CONCRETE DE ON THE STRUCTURAL DRAWINGS. PRECAST CONCRETE DECK SYSTEM AND CONNECTION APPLICABLE LOADS AS INDICATED ON THESE DRAWING THE LOADS SHALL BE CLEARLY INDICATED ON SHOP DR SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR RE SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNE REGISTERED IN THE STATE OF FLORIDA. 036002 MECHANICAL ANC SHALL BE EITHER HEAVY DUTY CONCRETE SCREW ANCH BOLT +, SIMPSON TITEN HD, OR HILTI HUS-H). TYPE OF ANCHOR SHALL BE AS SPECIFIED ON THE DRAW MODEL OF ANCHOR MAY BE SELECTED FROM THE ABOVE SUBSTITUTION ANCHORS MUST BE SUBMITTED TO THE E APPROVED IN WRITING BY THE ENGINEER OF RECORD P FOR PROPOSED ANCHOR SUBSTITUTES MUST BE SUBMIT EOR MAY REQUEST ENGINEERED CALCULATIONS FOR RI IN SOME CASES OF CRITICAL LOADING OR GEOMETRIC C ANCHORS WILL BE ALLOWED, AS NOTED ON THE DRAWIN SPECIFIED BRAND AND MODEL OF ANCHOR MUST BE US INSTALL ANCHORS IN STRICT ACCORDANCE WITH MANU INSTALLATION INSTRUCTIONS (MPII) IN CONJUNCTION WI AND EMBEDMENT SPECIFIED ON DRAWINGS. THE MANUFACTURER'S REPRESENTATIVE SHALL TRAIN I PRODUCTS TO BE USED PRIOR TO COMMENCEMENT OF INSTALLERS SHALL PERFORM POST INSTALLED ANCHOR TRAINING SHALL BE KEPT ON SITE AND MADE AVAILABLE MINIMUM EMBEDMENT DEPTH OF 1/4" TAPCONS OR POW CONCRETE SHALL BE 1.25" AND INSTALLED INTO MASONI ANCHOR LENGTH AS REQUIRED TO ACHIEVE THE SPECIF DEPTH. TAPCON SCREWS, OR DEWALT TAPPER +, MAY BE REPLA DIAMETER PAF ANCHORS (HILTI X-U, POWERS CSI, OR AF SUBSTITUTION BASIS. MINIMUM EMBEDMENT DEPTH SHA INTO CONCRETE OR GROUTED MASONRY. FOLLOW MAN RECOMMENDATIONS, MINIMUM EDGE DISTANCES, AND P (RELATIVE TO MORTAR JOINTS IN MASONRY). MECHANICAL ANCHORS IN CONCRETE SHALL HAVE BEEN USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC 193 I AND SEISMIC CONCRETE RECOGNITION. MECHANICAL ANCHORS IN MASONRY SHALL HAVE BEEN USE IN ACCORDANCE WITH ICC-ES AC01 OR AC106. EXISTING REINFORCING BARS IN CONCRETE AND/OR MAS NOT BE CUT UNLESS APPROVED BY THE EOR. 11. ANCHORS SHALL NOT BE INSTALLED IN CONCRETE AND/C UNTIL THE CONCRETE AND/OR MASONRY HAS CURED FO 12. PROVIDE SPECIAL INSPECTION FOR ALL MECHANICAL PO ACCORDANCE WITH THE REQUIREMENTS OF THE APPLIC CURRENT ICC-ES REPORT (IBC 2018 TABLE 1705.3 NOTE B 051200 STRUCTURAL STEEL (WEAT STEEL WORK SHALL BE NEW AND CONFORM TO THE AN FOR STRUCTURAL STEEL BUILDINGS. 2. ALL STEEL SPECIFICIED IS ATMOSPHERIC CORROSION R AS WEATHERING STEEL. MATERIAL SHALL CONFORM TO THE FOLLOWING, EXCEP WIDE FLANGE SHAPES ASTM A588 ANGLES, CHANNELS AND PLATES ASTM A588 RECTANGULAR HSS ASTM A847 HIGH STRENGTH BOLTS ASTM A325 HEAVY HEX NUTS ASTM A563 HARDENED STEEL WASHERS ASTM F436 ASTM A325 THREADED RODS CONNECTIONS: BOLTS SHALL BE HIGH-STRENGTH, BEARING TYP U.N.O. TIGHTEN BY AN AISC APPROVED METHOD WELDING ELECTRODES SHALL BE PER AWS D1. FRAMED CONNECTIONS 1/2" AT EACH END. FIELD CONNECTIONS SHALL BE BOLTED, EXCEPT DETAIL FLOOR AND ROOF FRAMING CONNECTION REQUIREMENTS SHOWN IN THE TYPICAL CONNEG THESE DRAWINGS, BASED ON THE BEAM OR GIRI FOR THE PURPOSE OF CORRECTLY INTERPRETI SCHEDULES, GIRDERS SHALL BE CONSIDERED A WHICH CARRIES OTHER FLOOR OR ROOF BEAMS BEAM WHICH CARRIES STEEL COLUMNS. DETAIL DIAGONAL BRACING CONNECTIONS AS SH DETAIL IS PROVIDED, DETAIL CONNECTION TO DE CAPACITY OF THE DIAGONAL BRACING MEMBER. DETAIL MOMENT CONNECTIONS AS SHOWN IN TH PROVIDED, DETAIL MOMENT CONNECTION USING BEAM FLANGES. HIGH STRENGTH BOLTS IN BEARING CONDITION SUPPOR SUBJECT TO AXIAL LOADS MAY BE INSTALLED TO "SNUG OR SHORT SLOTTED HOLES ARE USED. THE ENGINEER ULTIMATE AUTHORITY IN THE USE OF "SNUG TIGHT" BOL OVERSIZED HOLES ARE USED, BOLTS MUST BE FULLY PF

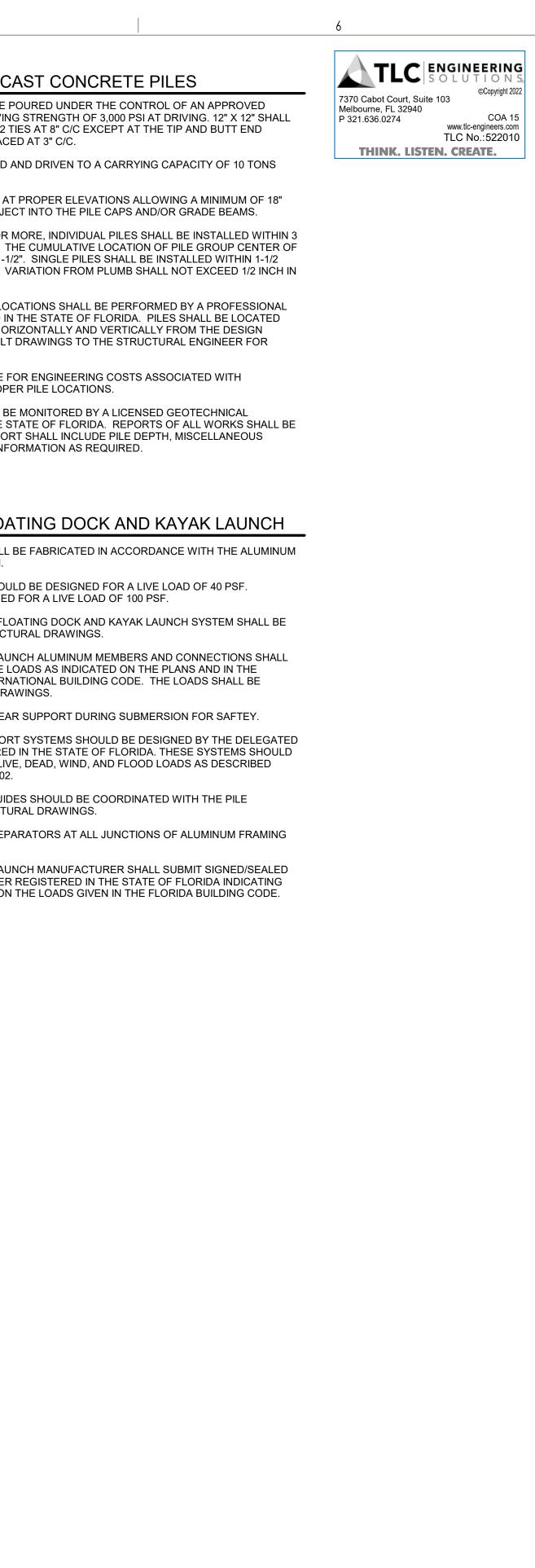
AND SLIP CRITICAL. WHERE FULLY PRETENSIONED OR SLIP CRITICAL BOLTS 7. SHALL BE ACHIEVED USING EITHER TWIST-OFF TENSION TENSION INDICATING WASHERS.

8. ALL FASTENERS AND HARDWARE SHALL BE HOT DIPPED

GROUT UNDER BEARING PLATES SHALL BE NON-METALI 9. COMPRESSIVE STRENGTH OF AT LEAST 5,000 PSI IN 28 D

THE CAMBER OF STEEL MEMBERS SHALL BE VERIFIED IN 10. WHEN NO CAMBER IS INDICATED, TURN THE MEMBER NA

2 3		4	c
034108 PRECAST CONCRETE DECK		051201 WELDING	316213 PRECA
PRECAST CONCRETE DECK SYSTEMS (DECK, BEAMS, AND PILE CAPS) SHALL BE PERMATRAK OR AN APPROVED EQUAL BY STRUCTURAL ENGINEER.	1.	WELDING SHALL BE DONE BY WELDERS WITH CURRENT CERTIFICATION IN ACCORDANCE WITH AWS D1.1. WELDS SHOWN ON STRUCTURAL DRAWINGS ARE MINIMUM DESIGN REQUIREMENTS.	1. TO BE REINFORCED CONCRETE PO TESTING LABORATORY ACHIEVING HAVE 4#6 VERTICALS. SPACE #2 TIE
ENGINEERED PRECAST CONCRETE DECK SYSTEM AND CONNECTIONS OF SAME TO THIS STRUCTURE SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA.	۷.	THE FABRICATOR'S SHOP DRAWINGS SHALL REFLECT WELDS IN ACCORDANCE WITH AWS REQUIREMENTS.	 WHERE 6#2 TIES SHALL BE SPACED 2. PILES TO BE DRIVEN OR JETTED AN FOR 12x12.
PRECAST DECK SYSTEMS SHALL BE OF THE CONFIGURATION SHOWN ON DRAWINGS. CONTRACTOR SHALL COORDINATE THE LOCATIONS OF STEAL BEAMS, STEEL COLUMNS, PRECAST PILES, AND PILE CAPS WITH THE STRUCTURAL DRAWINGS.	3.	FULL PENETRATION GROOVE WELDS SHALL BE INSPECTED BY ULTRASONIC TESTING. TWENTY-FIVE PERCENT OF THE WELDS SHALL BE INSPECTED AT RANDOM UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.	 PILES TO BE CUT OFF SQUARE AT F OF PILE REINFORCING TO PROJECT
THE CONFIGURATION OF THE PRECAST CONCRETE DECK SYSTEM SHALL BE AS SHOWN ON THE STRUCTURAL DRAWINGS.	4.	UNLESS NOTED OTHERWISE ON THE DRAWINGS, GROOVE WELDS SHALL BE FULL PENETRATION.	4. WHEN IN CLUSTERS OF TWO OR M INCHES OF DESIGN LOCATION. THI
PRECAST CONCRETE DECK SYSTEM AND CONNECTIONS SHALL BE DESIGNED FOR APPLICABLE LOADS AS INDICATED ON THESE DRAWINGS AND IN THE BUILDING CODE.	5.	PROVIDE FILLET WELDS AT CONTACT POINTS BETWEEN STEEL MEMBERS SUFFICIENT TO DEVELOP THE ALLOWABLE TENSILE STRENGTH OF THE SMALLER MEMBER AT THE JOINT UNLESS DETAILED OTHERWISE ON THE DRAWINGS. THE MINIMUM FILLET WELD	GRAVITY SHALL NOT EXCEED 1-1/2' INCHES OF DESIGN LOCATION. VAI TWO FEET.
THE LOADS SHALL BE CLEARLY INDICATED ON SHOP DRAWINGS.		SIZE IS 3/16" UNLESS OTHERWISE NOTED.	5. AN AS-BUILT SURVEY OF PILE LOCA LAND SURVEYOR REGISTERED IN T ON THE AS-BUILT DRAWINGS HORIZ
SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA.		053102 STEEL ROOF DECK	LOCATION. SUBMIT THE AS-BUILT D APPROVAL.
	1.	SHALL BE GALVANIZED G90, TYPE "B" STEEL ROOF DECK OF GAGE AND DEPTH INDICATED ON DRAWINGS, AND SHALL CONFORM TO THE PROVISIONS OF THE STEEL DECK INSTITUTE (SDI) SPECIFICATIONS FOR STEEL ROOF DECK.	6. CONTRACTOR IS RESPONSIBLE FO REDESIGNS CAUSED BY IMPROPER
036002 MECHANICAL ANCHORS SHALL BE EITHER HEAVY DUTY CONCRETE SCREW ANCHOR (SUCH AS DEWALT SCREW-	2.	DECK CENTERING SHALL BE PLACED IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SHALL BE CONTINUOUS OVER AT LEAST 3 SPANS.	7. INSTALLATION OF PILES SHALL BE ENGINEER REGISTERED IN THE STA SUBMITTED FOR REVIEW. REPORT OBSERVATIONS, AND OTHER INFOR
BOLT +, SIMPSON TITEN HD, OR HILTI HUS-H). TYPE OF ANCHOR SHALL BE AS SPECIFIED ON THE DRAWINGS, WHILE BRAND AND MODEL OF ANCHOR MAY BE SELECTED FROM THE ABOVE LISTED ANCHORS.	3.	WELD PATTERN AT MAIN DECK SUPPORTS, AND SIDELAP CONNECTIONS, SHALL BE AS INDICATED ON ROOF DECK FASTENING DIAGRAM. PROVIDE 5/8" PUDDLE WELDS AT 12"	Observations, and official of
SUBSTITUTION ANCHORS MUST BE SUBMITTED TO THE ABOVE LISTED ANCHORS. APPROVED IN WRITING BY THE ENGINEER OF RECORD PRIOR TO USE. ICC-ES REPORTS FOR PROPOSED ANCHOR SUBSTITUTES MUST BE SUBMITTED TO EOR FOR REVIEW.	4.	O.C. ALONG EDGE SUPPORTS, UNLESS NOTED OTHERWISE. METAL DECK MANUFACTURER SHALL BE A MEMBER OF THE STEEL DECK INSTITUTE AND ALL DESIGN SHALL BE IN ACCORDANCE WITH APPLICABLE STANDARDS.	107316 ALUMINUM FLOAT
EOR MAY REQUEST ENGINEERED CALCULATIONS FOR REVIEW AND APPROVAL.	5.	DO NOT HANG MEP SYSTEMS (DUCTWORK, ROOF DRAIN OR FIRE PROTECTION PIPING, ETC) FROM ROOF DECK. ALL EQUIPMENT IS TO BE HUNG FROM ROOF JOISTS. SEE	1. ALL ALUMINUM MEMBERS SHALL B DESIGN MANUAL, 2015 EDITION.
ANCHORS WILL BE ALLOWED, AS NOTED ON THE DRAWINGS. IN THESE CASES, THE SPECIFIED BRAND AND MODEL OF ANCHOR MUST BE USED.		SECTION 5210 FOR ROOF JOIST REQUIREMENTS.	2. DOCK AND KAYAK LAUNCH SHOULI GANWAYS SHOULD BE DESIGNED F
INSTALL ANCHORS IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) IN CONJUNCTION WITH EDGE DISTANCE, SPACING, AND EMBEDMENT SPECIFIED ON DRAWINGS.	1.	ENGINEERED STEEL STAIR SYSTEM AND CONNECTIONS OF SAME TO THIS STRUCTURE SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA.	3. THE CONFIGURATION OF THE FLOA AS INDICATED IN THE ARCHITECTU
THE MANUFACTURER'S REPRESENTATIVE SHALL TRAIN INSTALLERS FOR ALL PRODUCTS TO BE USED PRIOR TO COMMENCEMENT OF WORK. ONLY TRAINED INSTALLERS SHALL PERFORM POST INSTALLED ANCHOR INSTALLATION. A RECORD OF	2 .		4. FLOATING DOCK AND KAYAK LAUN BE DESIGNED FOR APPLICABLE LO FLORIDA BUILDING CODE/INTERNA
TRAINING SHALL BE KEPT ON SITE AND MADE AVAILABLE TO THE EOR AS REQUESTED. MINIMUM EMBEDMENT DEPTH OF 1/4" TAPCONS OR POWERS TAPPER + INSTALLED IN	3 .	ALL CONNECTIONS TO STRUCTURE SHALL BE PROVIDED WITH A NYLON WASHER TO SEPERATE THE GALVANIZED/COATED STEEL FROM THE WEATHERING STEEL AT THE CONNECTION. WELDING GALVANIZED STEEL TO THE EXISTING STRUCTURE IS	5. FLOTATION SHALL SUPPLY LINEAR
CONCRETE SHALL BE 1.25" AND INSTALLED INTO MASONRY SHALL BE 1.5". SELECT ANCHOR LENGTH AS REQUIRED TO ACHIEVE THE SPECIFIED MINIMUM EMBEDMENT DEPTH.	{ 	PROHIBITED. THE CONFIGURATION OF THE STEEL STAIR SYSTEM SHALL BE AS SHOWN ON THE 1	6. PILE GUIDES AND HINGE SUPPORT DESIGN ENGINEEER REGISTERED I
TAPCON SCREWS, OR DEWALT TAPPER +, MAY BE REPLACED W/ 0.157" SHANK DIAMETER PAF ANCHORS (HILTI X-U, POWERS CSI, OR APPROVED EQUAL) ON A 1:1 SUBSTITUTION BASIS. MINIMUM EMBEDMENT DEPTH SHALL BE 1.25" WHEN INSTALLED	5.	ARCHITECTURAL DRAWINGS. THE ENGINEERED STAIR SYSTEM SHALL INCLUDE THE STAIRS, LANDINGS, SUPPORT FRAMING, POSTS, HANGERS, AND CONNECTIONS TO THE BUILDING STRUCTURE,	BE DESIGNED TO RESIST THE LIVE, GENERAL NOTES SECTION 01002. 7. THE LOCATION OF THE PILE GUIDE
INTO CONCRETE OR GROUTED MASONRY. FOLLOW MANUFACTURER'S INSTALLATION RECOMMENDATIONS, MINIMUM EDGE DISTANCES, AND PLACEMENT LIMITATIONS (RELATIVE TO MORTAR JOINTS IN MASONRY).		UNLESS NOTED OTHERWISE. CONNECTIONS TO THE BUILDING STRUCTURE SHALL BE COMPATIBLE WITH THE STRUCTURE SHOWN ON THE CONTRACT DRAWINGS.	 B. PROVIDE DISSIMILAR METAL SEPAR
MECHANICAL ANCHORS IN CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC 193 FOR CRACKED, UNCRACKED AND SEISMIC CONCRETE RECOGNITION.	6.	STEEL STAIR SYSTEM AND CONNECTIONS SHALL BE DESIGNED FOR APPLICABLE LOADS AS INDICATED ON THE DRAWINGS AND IN THE FLORIDA BUILDING CODE, 7th EDITION (2020).	AND STEEL. 9. FLOATING DOCK AND KAYAK LAUN CALCULATIONS BY AN ENGINEER R
MECHANICAL ANCHORS IN MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR AC106.	7. 8.		SUPPORT REACTIONS BASED ON T
EXISTING REINFORCING BARS IN CONCRETE AND/OR MASONRY CONSTRUCTION SHALL NOT BE CUT UNLESS APPROVED BY THE EOR.	0.	STEEL STAIR SYSTEM AS WELL AS CONNECTIONS TO AND LOADS IMPOSED UPON THE STRUCTURAL SYSTEM SHOWN ON THESE DRAWINGS.	
ANCHORS SHALL NOT BE INSTALLED IN CONCRETE AND/OR MASONRY CONSTRUCTION UNTIL THE CONCRETE AND/OR MASONRY HAS CURED FOR AT LEAST 21-DAYS.	9.	SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA.	
PROVIDE SPECIAL INSPECTION FOR ALL MECHANICAL POST INSTALLED ANCHORS IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE BUILDING CODE AND THE CURRENT ICC-ES REPORT (IBC 2018 TABLE 1705.3 NOTE B).	1.	055213 RAILINGS ENGINEERED RAILING SYSTEM AND CONNECTION OF SAME TO THIS STRUCTURE SHALL	
051200 STRUCTURAL STEEL (WEATHERING STEEL)	2.	BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. THE CONFIGURATION OF THE RAILING SYSTEM SHALL BE AS SHOWN ON THE	
STEEL WORK SHALL BE NEW AND CONFORM TO THE ANSI/AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS. ALL STEEL SPECIFICIED IS ATMOSPHERIC CORROSION RESISTANT STEEL, ALSO KNOWN	3.	ARCHITECTURAL DRAWINGS. RAILING SYSTEM AND CONNECTIONS SHALL BE DESIGNED FOR APPLICABLE LOADS AS	
AS WEATHERING STEEL. MATERIAL SHALL CONFORM TO THE FOLLOWING, EXCEPT AS NOTED:	4.	INDICATED ON THE DRAWINGS AND IN THE BUILDING CODE. THE LOADS SHALL BE CLEARLY INDICATED ON SHOP DRAWINGS AND SHALL COMPLY WITH ALL APPLICABLE CODES.	
WIDE FLANGE SHAPESASTM A588 GRADE A (Fy=50 KSI)ANGLES, CHANNELS AND PLATESASTM A588 GRADE A (Fy=50 KSI)RECTANGULAR HSSASTM A847 (Fy=50 KSI)	5.		
HIGH STRENGTH BOLTSASTM A325 TYPE 3 OR A490 TYPE 3HEAVY HEX NUTSASTM A563 GRADE C3HARDENED STEEL WASHERSASTM F436 TYPE 3THREADED RODSASTM A325 TYPE 3	6.		
CONNECTIONS: A. BOLTS SHALL BE HIGH-STRENGTH, BEARING TYPE IN SNUG TIGHT CONDITION,		REGISTERED IN THE STATE OF FLORIDA.	
U.N.O. TIGHTEN BY AN AISC APPROVED METHOD. B. WELDING ELECTRODES SHALL BE PER AWS D1.1. RETURN FILLET WELDS FOR FRAMED CONNECTIONS 1/2" AT EACH END.	_	312002 FOUNDATIONS - W/ SOIL REPORTS	
C. FIELD CONNECTIONS SHALL BE BOLTED, EXCEPT AS NOTED OTHERWISE. D. DETAIL FLOOR AND ROOF FRAMING CONNECTIONS FOLLOWING THE REQUIREMENTS SHOWN IN THE TYPICAL CONNECTION SCHEDULES SHOWN IN THESE DRAWINGS, BASED ON THE BEAM OR GIRDER SIZE.	1.	SEE THE FOLLOWING GEOTECHNICAL REPORT FOR COMPLETE GEOTECHNICAL RECOMMENDATIONS AND INSTALLATION PROCEDURES. SITE PREPARATION AND FOUNDATION INSTALLATION SHALL COMPLY WITH:	
E. FOR THE PURPOSE OF CORRECTLY INTERPRETING THE CONNECTION SCHEDULES, GIRDERS SHALL BE CONSIDERED AS ANY FLOOR OR ROOF BEAM WHICH CARRIES OTHER FLOOR OR ROOF BEAMS, OR ANY FLOOR OR ROOF		REPORT No. GPGT-21-152 PREPARED BY: ANDREYEV ENGINEERING, INC.	
 BEAM WHICH CARRIES STEEL COLUMNS. F. DETAIL DIAGONAL BRACING CONNECTIONS AS SHOWN IN THE DETAILS. IF NO DETAIL IS PROVIDED, DETAIL CONNECTION TO DEVELOP THE FULL TENSION 		TITLED: REPORT, GEOTECHNICAL INVESTIGATION, PROPOSED FERNDALE PRESERVE-OBSERVATION TOWER/FISHING PIER AND CANOE/KAYAK LAUNCH, LAKE APOPKA, LAKE COUNTY, FLORIDA. DATED: FEBRUARY 21, 2022	
CAPACITY OF THE DIAGONAL BRACING MEMBER. G. DETAIL MOMENT CONNECTIONS AS SHOWN IN THE DETAILS. IF NO DETAIL IS PROVIDED, DETAIL MOMENT CONNECTION USING FULL PENETRATION WELDS AT BEAM FLANGES.	2.	FOLLOW THE RECOMMENDATIONS LISTED IN THE GEOTECHNICAL REPORT THE PIER AND KAYAK LAUNCH SHOULD BE SUPPORTED ON EITHER PRECASE CONCRETE PILES	
HIGH STRENGTH BOLTS IN BEARING CONDITION SUPPORTING SIMPLE SPAN BEAMS NOT SUBJECT TO AXIAL LOADS MAY BE INSTALLED TO "SNUG TIGHT" CONDITION IF NORMAL,		OR STEEL H-PILES. THE SITE IS UNSUITABLE FOR STRUCTURAL SLAB OR SHALLOW FOUNDATIONS.	
OR SHORT SLOTTED HOLES ARE USED. THE ENGINEER OF RECORD WILL BE THE ULTIMATE AUTHORITY IN THE USE OF "SNUG TIGHT" BOLTS. IF LONG SLOTTED OR OVERSIZED HOLES ARE USED, BOLTS MUST BE FULLY PRETENSIONED AND SLIP CRITICAL. PROPER SURFACE PREPARATION IS REQUIRED FOR SLIP CRITICAL BOLTS,			
BOLTS SHARING LOAD WITH WELDS IN A CONNECTION SHALL BE FULLY PRETENSIONED			
AND SLIP CRITICAL. WHERE FULLY PRETENSIONED OR SLIP CRITICAL BOLTS ARE REQUIRED, TIGHTENING			
SHALL BE ACHIEVED USING EITHER TWIST-OFF TENSION CONTROL BOLTS OR DIRECT TENSION INDICATING WASHERS.			
ALL FASTENERS AND HARDWARE SHALL BE HOT DIPPED GALVANIZED PER ASTM A153. GROUT UNDER BEARING PLATES SHALL BE NON-METALLIC, NON-SHRINK TYPE WITH A COMPRESSIVE STRENGTH OF AT LEAST 5,000 PSI IN 28 DAYS.			
THE CAMBER OF STEEL MEMBERS SHALL BE VERIFIED IN THE SHOP AND THE FIELD. WHEN NO CAMBER IS INDICATED, TURN THE MEMBER NATURAL CAMBER UP.			



713 W. MONTRO: PH: (352 W	I T E I TURE I INTE SE STREET • CLERMO) 874-2340 • FAX: (ww.powellstudioarc AA# 26002236 IT 2022 POWELL ST JLL IDEAS, DESIGNS HEREIN, INCLUDING HEREIN, ARE THE E. HITECTURE, LLC., A OPED FOR USE ON PROJECT. THIS DR. IV PERSON, FIRM, C SOEVER WITHOUT	C T U R RIOR DESIGN ONT, FLORIDA 34711 877) 680-7183 h.com UDIO ARCHITECTURE , ARRANGEMENTS, A ALL RELATED DIGIT/ XCLUSIVE PROPERT IAND IN CONJUNCTI AND IN CONJUNCTI AND IN CONJUNCTI AWING MAY NOT BE DR CORPORATION FC THE WRITTEN CONS	ND AL Y OF ON USED DR
owner/pro	Ferndale Preserve	Observation Tower / Fishing Pier And Canoe/Kayak Launch	Ferndale, Florida
GARY C KRUEGER 10/24/2022 PROJECT NO: REVISIONS:	C. KRUEG	#40788	
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	S002	2	-

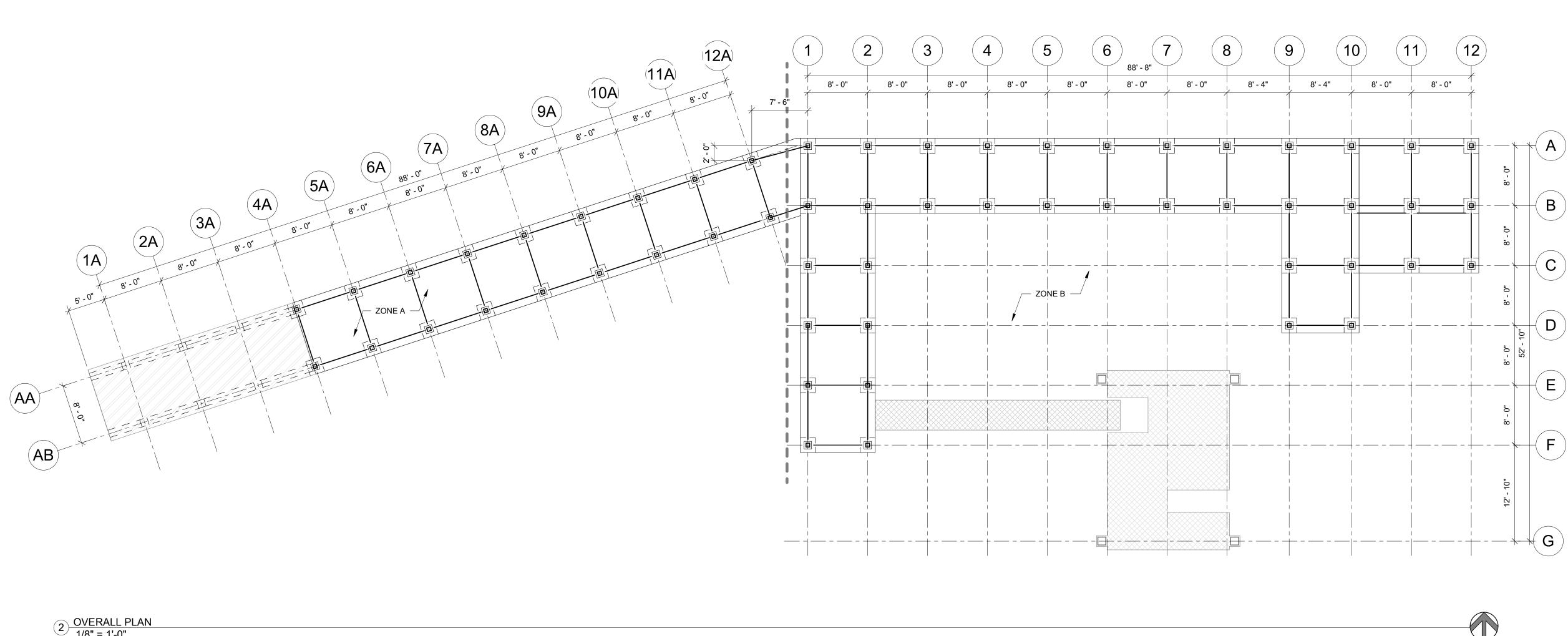
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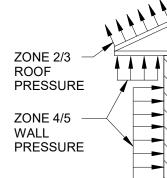
	ULTIMATE C&C WIND PRESSURES (ASCE 7-16)															
							RC	OF		W	ALL	OVER	RHANG			
BUILDING	a (FT)	h (FT)	Vult (MPH)	Vasd (MPH)	A (SF)	ZONE 1 (PSF)	ZONE 2e (PSF)	ZONE 2r (PSF)	ZONE 3 (PSF)	ZONE 4 (PSF)	ZONE 5 (PSF)	ZONE 2e (PSF)	ZON 2r (PS			
					<10	+30.1 -60.2	+30.1 -86.1	+30.1 -86.1	+30.1 -86.1	+38.7 -38.7	+38.7 -77.5	+38.7 -107.6	+38 -107			
								20	+24.9 -52.5	+24.9 -76.1	+24.9 -76.1	+24.9 -76.1	+38.7 -38.7	+38.7 -77.5	+38.7 -102.6	+38 -102
MAIN	AIN 3 24 133 103	103	50	+18.1 -42.2	+18.1 -62.9	+18.1 -62.9	+18.1 -62.9	+35.1 -36.3	+35.1 -67.7	+35.1 -96.0	+35 -96					
					100+	+16.0 -34.4	+16.0 -53.0	+16.0 -53.0	+16.0 -53.0	+32.3 -34.4	+32.3 -60.2	+32.3 -91.0	+32 -91			
					<10		+38.9 -96.4	+38.9 -96.4	+38.9 -62.4	+52.2 -56.6	+52.2 -69.8	+38.7 -107.6	+38 -10			
					20	-	+33.6 -86.1	+33.6 -86.1	+33.6 -86.1	+49.8 -54.2	+49.8 -65.1	+33.6 -105.4	+33 -10			
CUPOLA	3	24	133	103	50	-	+26.5 -72.6	+26.5 -72.6	+26.5 -72.6	+46.7 -51.1	+46.7 -58.9	+26.5 -98.6	+26 -98			
				l	100+		+21.2 -62.4	+21.2 -62.4	+21.2 -62.4	+44.4 -48.8	+44.4 -54.2	+21.2 -93.5	+21 -93			

ULTIMATE C&C WIND PRESSURE PLAN NOTES:

- PRESSURES SHOWN ABOVE ARE ULTIMATE COMPONENTS AND CLADDING PRESSURES. THESE CAN 1. BE CONVERTED TO NOMINAL PRESSURES BY USING A 0.6 MULTIPLIER FACTOR. NO FURTHER REDUCTION IS ALLOWED.
 - A INDICATES TRIBUTARY AREA IN S.F. a - INDICATES END ZONE WIDTH IN FT.
 - h MEAN ROOF HEIGHT IN FT.
 - Vult INDICATES ULTIMATE DESIGN WIND SPEED IN MPH Vasd - INDICATES NOMINAL DESIGN WIND SPEED IN MPH
- GROSS PRESSURES ARE FOR JOISTS, WINDOWS, DOORS, VENEER, LIGHT GAGE METAL FRAMING, 2 METAL DECK ATTACHMENTS, ROOFING, ROOFING ACCESSORIES AND OTHER BUILDING COMPONENTS AND CLADDING.
- GROSS PRESSURES SHALL BE LINEARLY INTERPOLATED FOR (A) NOT SHOWN IN TABLE. 3.
- POSITIVE PRESSURES INDICATE PRESSURES ACTING TOWARD A PROJECTED SURFACE. NEGATIVE PRESSURES INDICATE PRESSURES ACTING AWAY FROM A PROJECTED SURFACE. 4.
- ROOF AND ZONES (1) THRU(3)5.
- WALL ZONES (4) AND (5)6.
- OVERHANG ZONES (2H) AND (3H) APPLY ONLY TO ROOF OVERHANGS WHERE THE COMPONENT OR 7. CLADDING RECEIVES PRESSURE SIMULTANEOUSLY ON BOTH SIDES (UPWARD SUCTION ON TOP AND UPWARD PRESSURE ON BOTTOM, SUCH AS AT OPEN SOFFITS), AND IS CONTINUOUS WITH FIELD OF ROOF.
- NET DESIGN ROOF PRESSURES SHALL BE CALCULATED USING THE SELFWEIGHT (DEAD LOAD) OF THE 8. MATERIALS. HOWEVER, THE MAXIMUM REDUCTION OF WIND UPLIFT PRESSURES SHALL BE LIMITED TO THE SELF WEIGHT OF THE ROOF SYSTEM PLUS 5 PSF FOR SUPERIMPOSED DEAD LOADS.
- INTERNAL PRESSURE COEFFICIENT FOR ENCLOSED BUILDING EQUALS +0.18 AND -0.18. INTERNAL 9. PRESSURE COEFFICIENT FOR OPEN STRUCTURE EQUALS +/- 0.00.

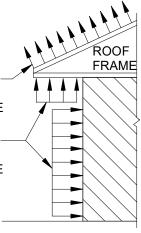


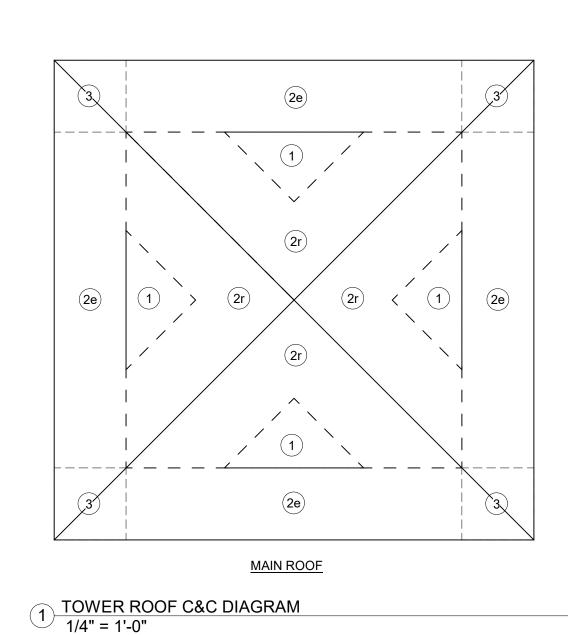
2 OVERALL PLAN 1/8" = 1'-0"

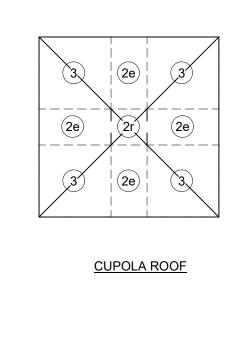


SECTION AT ROOF FRAMING

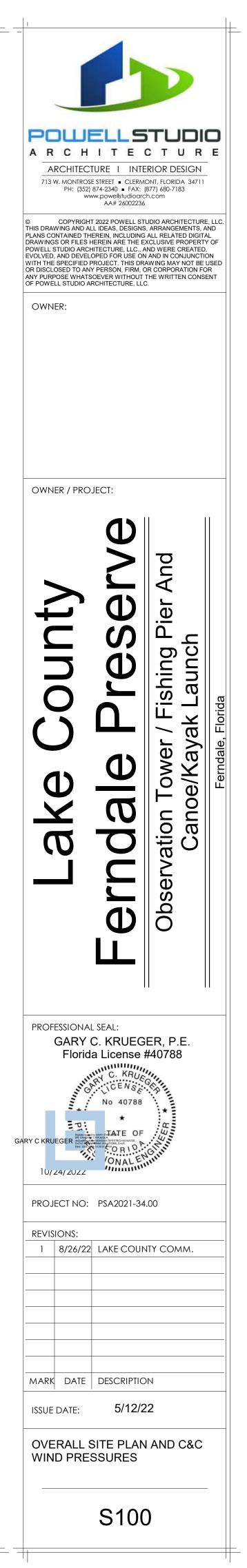
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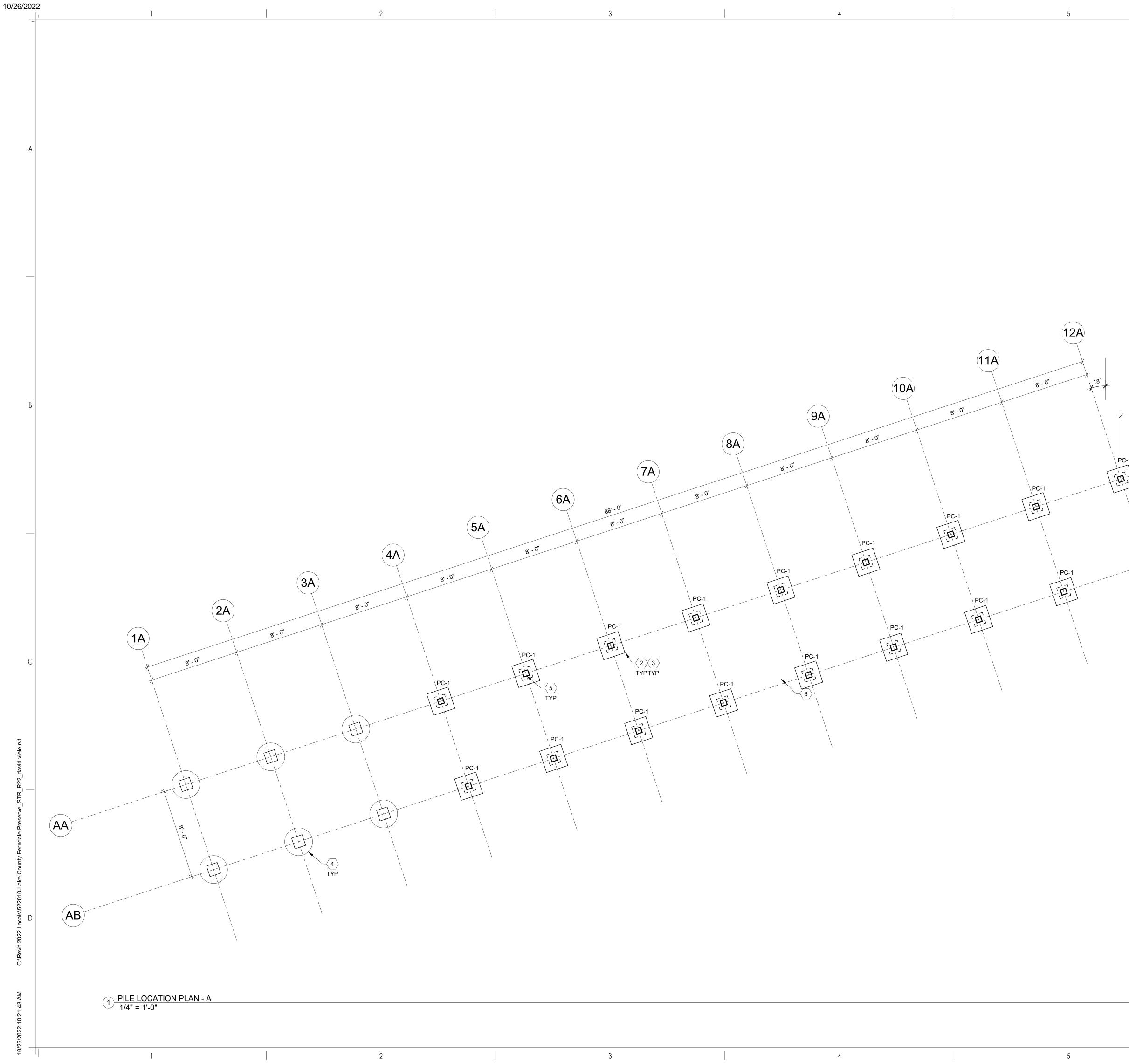






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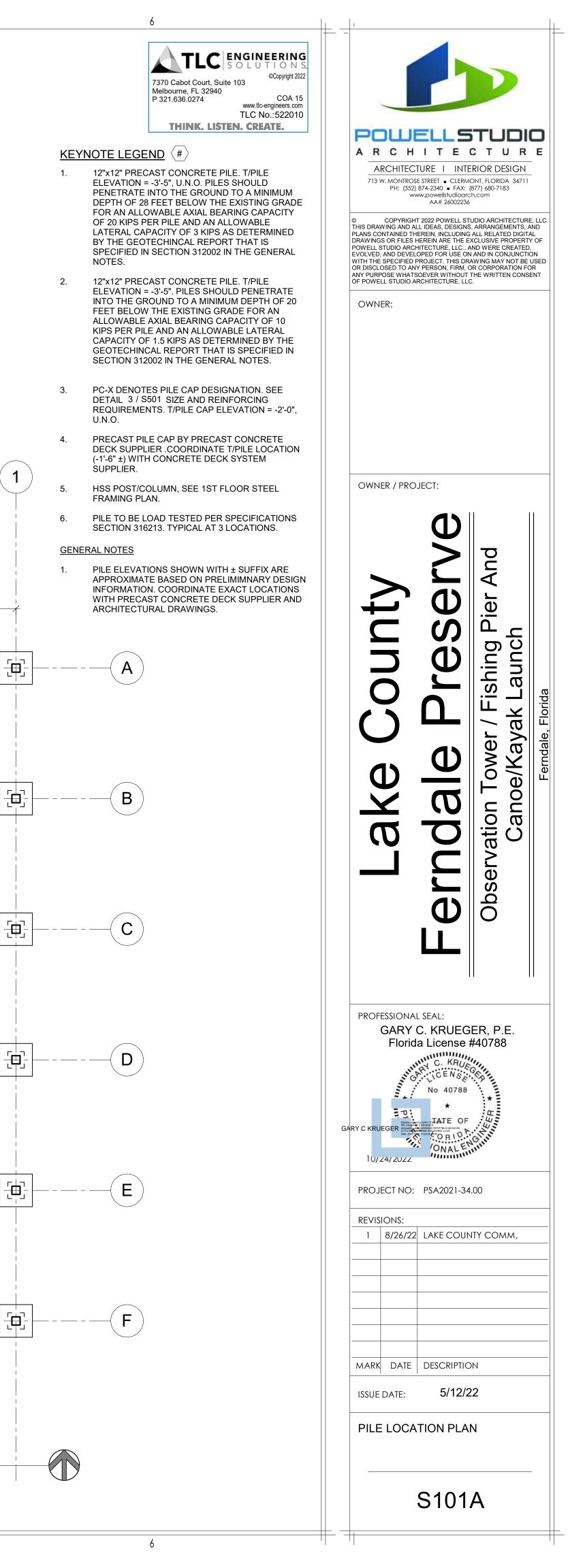
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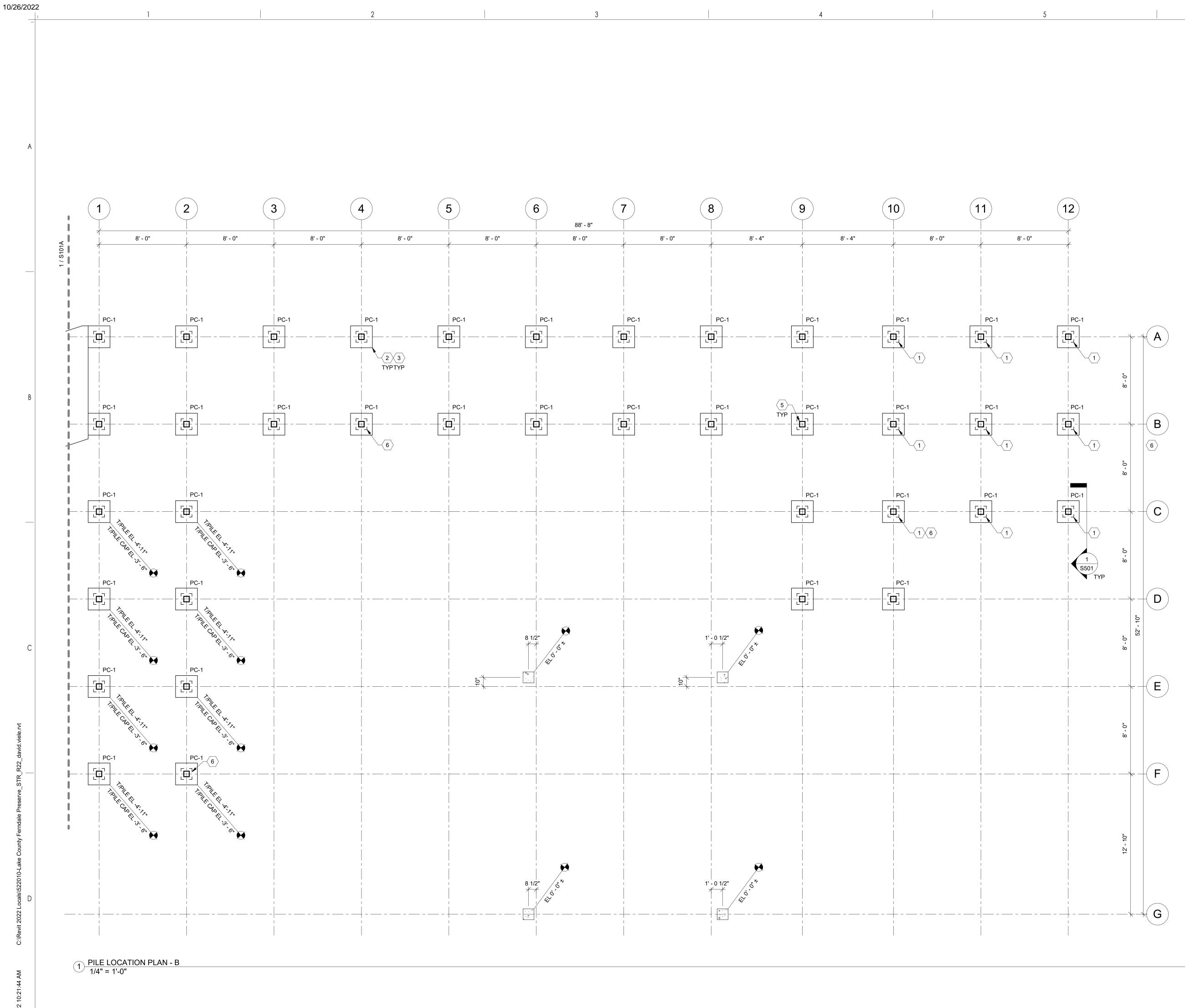
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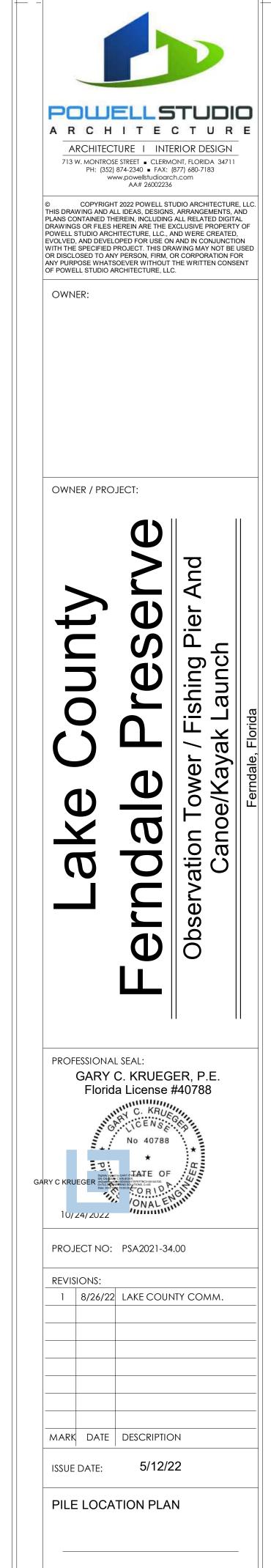


$\underline{\mathsf{KEYNOTE}\,\mathsf{LEGEND}}\,\left< \# \right>$

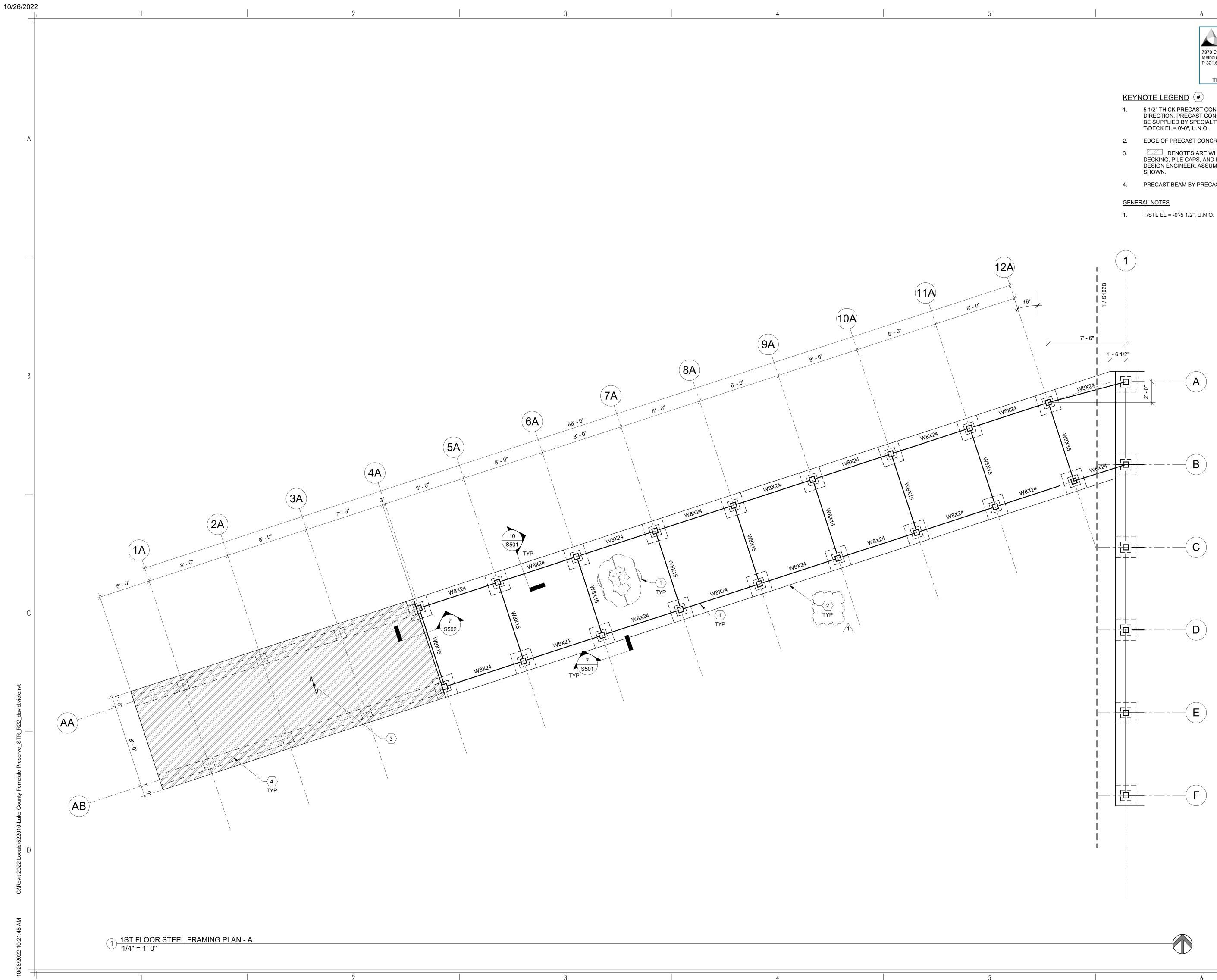
- 1. 12"x12" PRECAST CONCRETE PILE. T/PILE ELEVATION = -3'-5", U.N.O. PILES SHOULD PENETRATE INTO THE GROUND TO A MINIMUM DEPTH OF 28 FEET BELOW THE EXISTING GRADE FOR AN ALLOWABLE AXIAL BEARING CAPACITY OF 20 KIPS PER PILE AND AN ALLOWABLE LATERAL CAPACITY OF 3 KIPS AS DETERMINED BY THE GEOTECHINCAL REPORT THAT IS SPECIFIED IN SECTION 312002 IN THE GENERAL NOTES.
- 2. 12"x12" PRECAST CONCRETE PILE. T/PILE ELEVATION = -3'-5". PILES SHOULD PENETRATE INTO THE GROUND TO A MINIMUM DEPTH OF 20 FEET BELOW THE EXISTING GRADE FOR AN ALLOWABLE AXIAL BEARING CAPACITY OF 10 KIPS PER PILE AND AN ALLOWABLE LATERAL CAPACITY OF 1.5 KIPS AS DETERMINED BY THE GEOTECHINCAL REPORT THAT IS SPECIFIED IN SECTION 312002 IN THE GENERAL NOTES.
- 3. PC-X DENOTES PILE CAP DESIGNATION. SEE DETAIL 3 / S501 SIZE AND REINFORCING REQUIREMENTS. T/PILE CAP ELEVATION = -2'-0", U.N.O.
- 4. PRECAST PILE CAP BY PRECAST CONCRETE DECK SUPPLIER .COORDINATE T/PILE LOCATION (-1'-6" ±) WITH CONCRETE DECK SYSTEM SUPPLIER.
- 5. HSS POST/COLUMN, SEE 1ST FLOOR STEEL FRAMING PLAN.
- 6. PILE TO BE LOAD TESTED PER SPECIFICATIONS SECTION 316213. TYPICAL AT 3 LOCATIONS.

GENERAL NOTES

1. PILE ELEVATIONS SHOWN WITH ± SUFFIX ARE APPROXIMATE BASED ON PRELIMIMNARY DESIGN INFORMATION. COORDINATE EXACT LOCATIONS WITH PRECAST CONCRETE DECK SUPPLIER AND ARCHITECTURAL DRAWINGS.



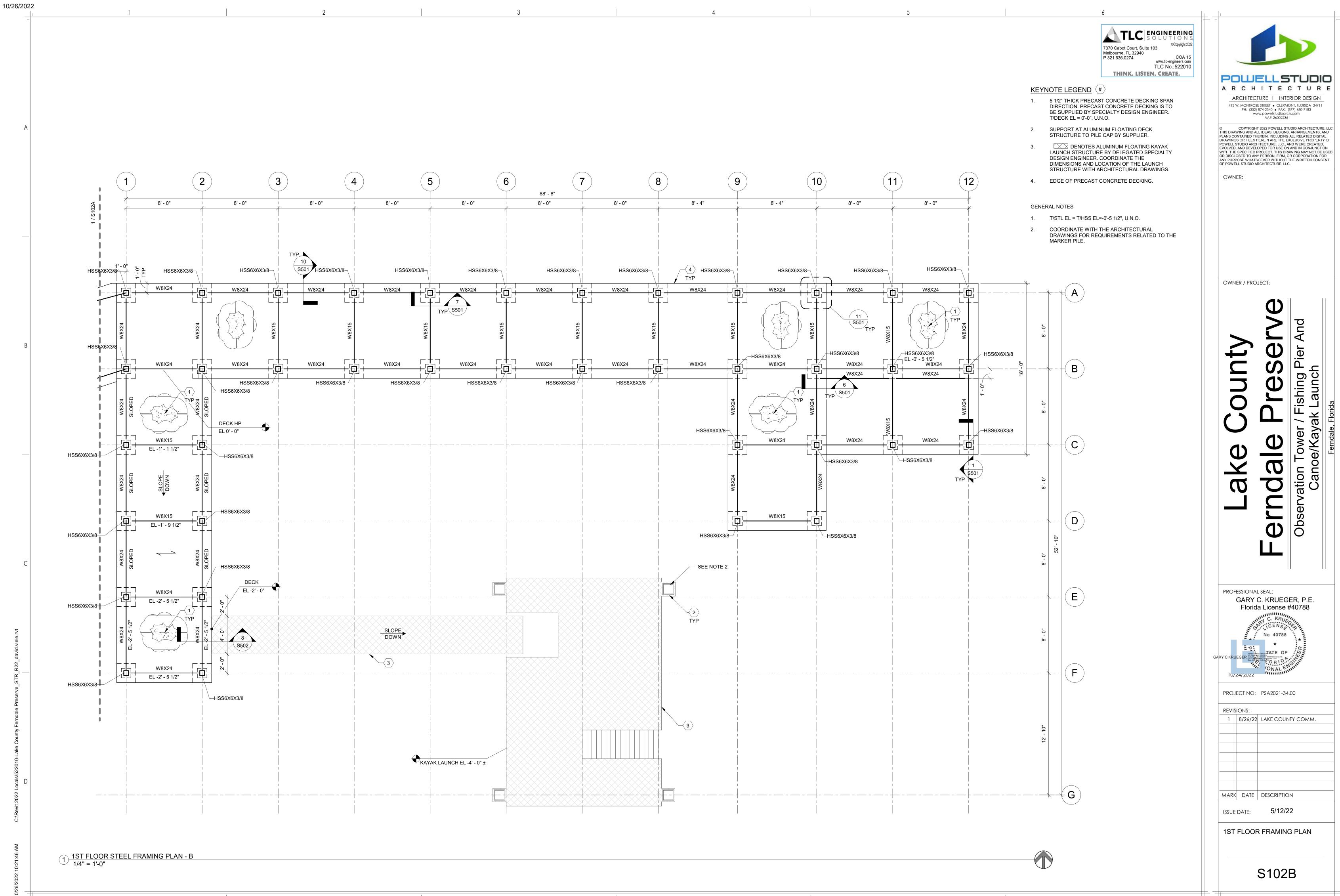
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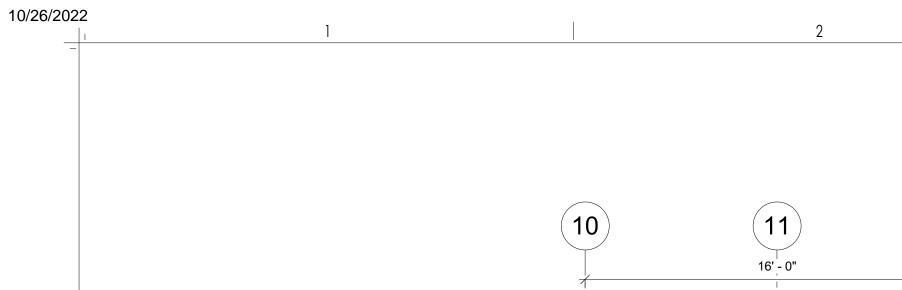




- 5 1/2" THICK PRECAST CONCRETE DECKING SPAN DIRECTION. PRECAST CONCRETE DECKING IS TO BE SUPPLIED BY SPECIALTY DESIGN ENGINEER. T/DECK EL = 0'-0", U.N.O.
- 2. EDGE OF PRECAST CONCRETE DECKING.
- DENOTES ARE WHERE PRECAST DECKING, PILE CAPS, AND BEAMS BY DELEGATED DESIGN ENGINEER. ASSUMED DECK SPAN IS AS SHOWN.
- 4. PRECAST BEAM BY PRECAST DECK SUPPLIER.

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			Observation Tower / Fishing Pier And	Canoe/Kayak Launch	Ferndale, Florida
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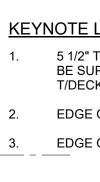
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3' - 10" 3' - 10"

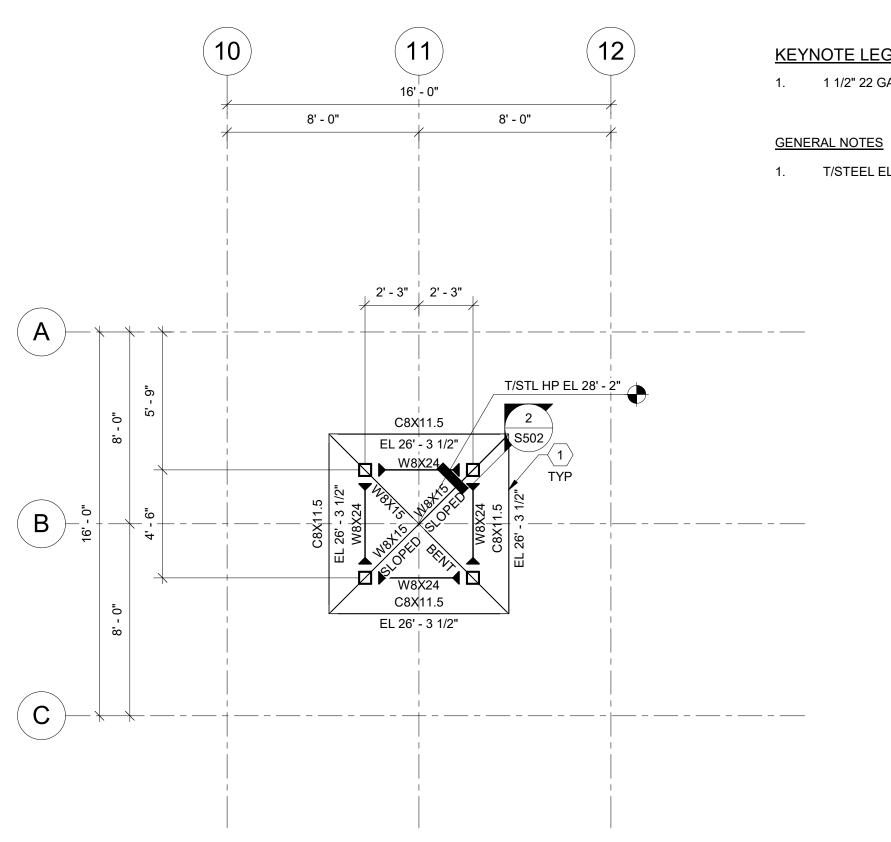
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GENERAL NOTES





3 CUPOLA FRAMING PLAN 1/4" = 1'-0"

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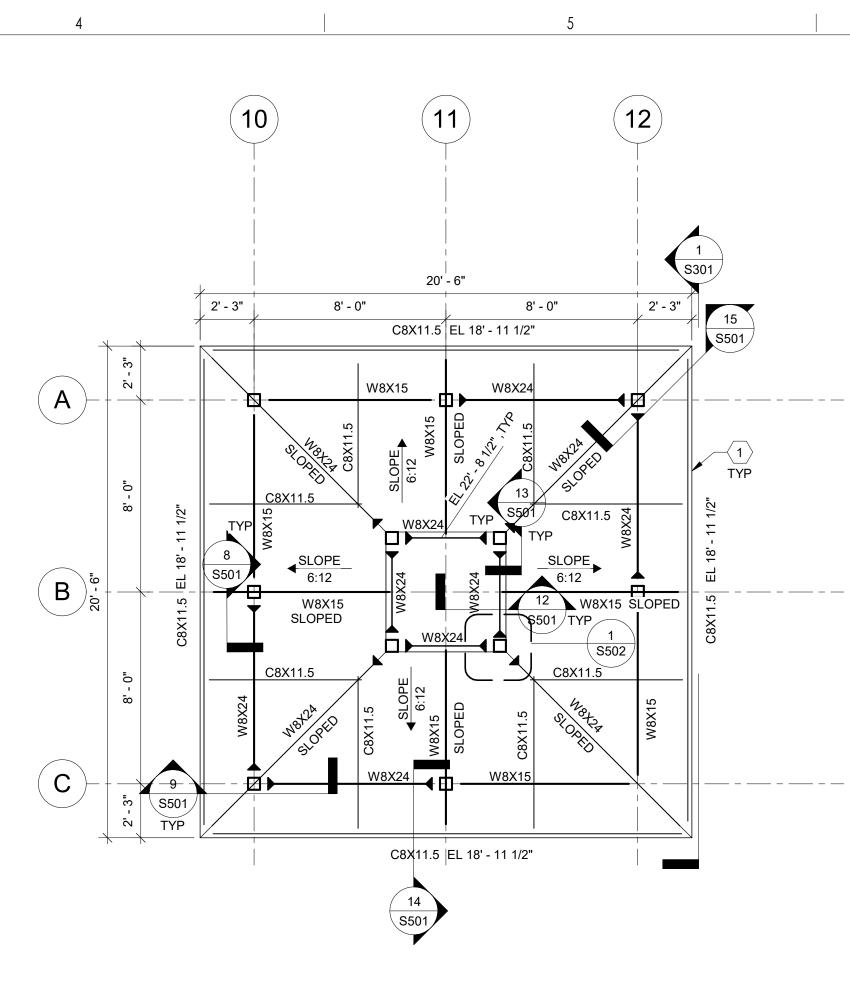
KEYNOTE LEGEND

5 1/2" THICK PRECAST CONCRETE DECKING TO BE SUPPLIED BY DELIGATED DESIGN ENGINEER T/DECK EL = 10'-0" U.N.O.

3

2. EDGE OF OPENING FOR STAIR ACCESS. 3. _ EDGE OF PRECAST DECKING.

1. T/STL EL = 9'-6 1/2", U.N.O.





2 ROOF FRAMING PLAN 1/4" = 1'-0"

4

<u>Keynote legend</u> (#) 1. 1 1/2" 22 GAGE, TYPE "B" ROOF DECK.

1. T/STEEL EL = 26'-0", U.N.O.

3



<u>KEYNOTE LEGEND</u> (#)

1. 1 1/2" 22 GAGE, TYPE "B" ROOF DECK.

6

GENERAL NOTES

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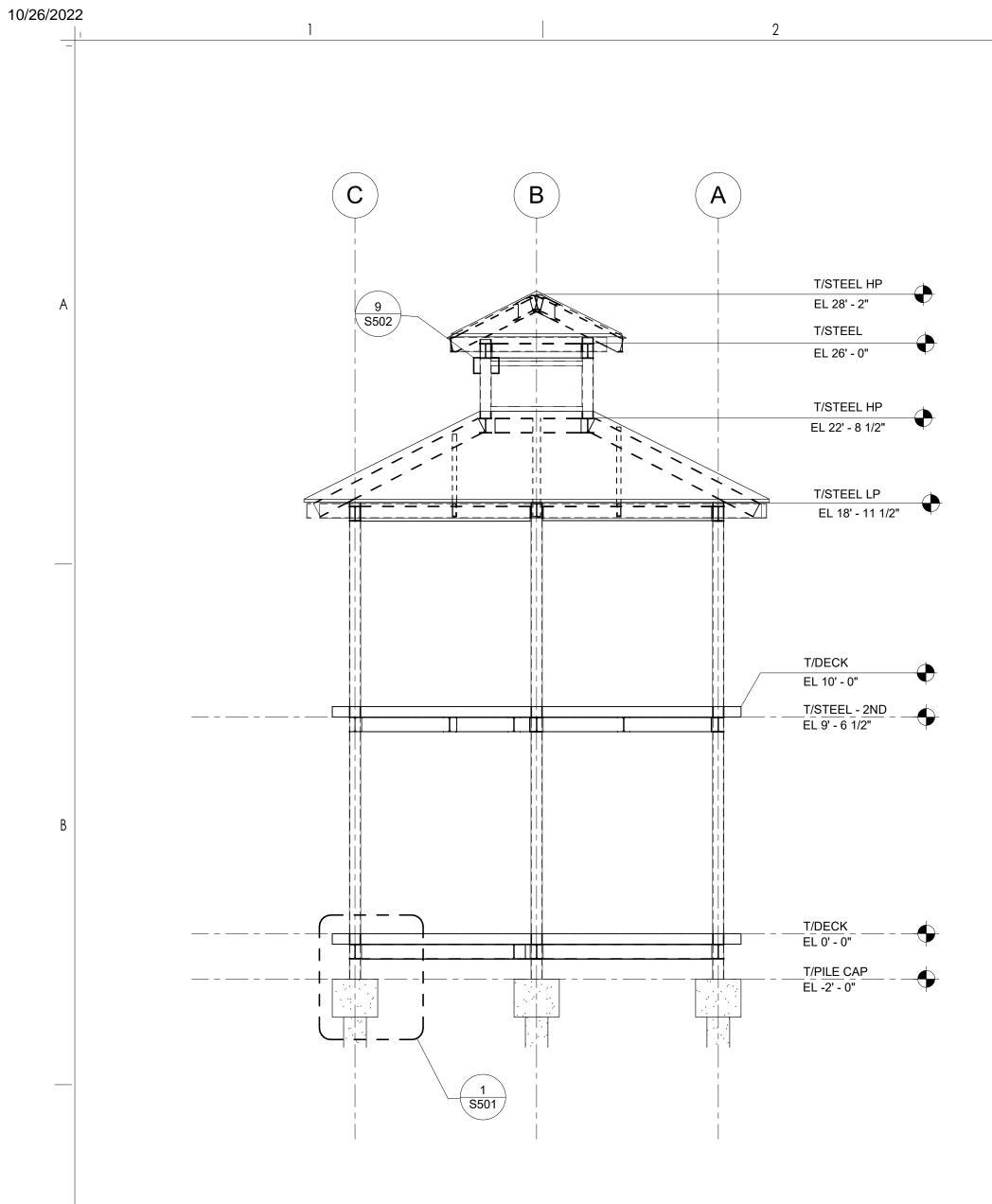
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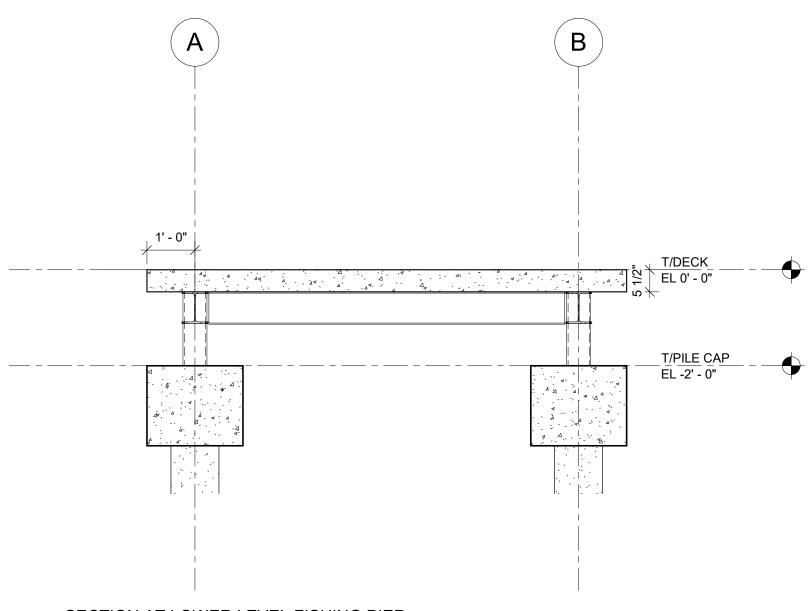
1. T/STEEL EL = 19'-2", U.N.O.



I A R C H I T E A R	C T U R RIOR DESIGN ONT, FLORIDA 34711 877) 680-7183 h.com UDIO ARCHITECTURE ARRANGEMENTS, A ALL RELATED DIGIT XCLUSIVE PROPERT ND WERE CREATED AND IN CONJUNCTION AWING MAY NOT BE OR CORPORATION FO THE WRITTEN CONSI	ND AL Y OF DN USED DR
Presedence Protect:	Observation Tower / Fishing Pier And Canoe/Kayak Launch	Ferndale, Florida
PROFESSIONAL SEAL: GARY C. KRUEG Florida License C. KRUEGE No. 40788 RY C KRUEGE PROJECT NO: PSA2021-34 REVISIONS: 1 8/26/22 LAKE COUN MARK DATE DESCRIPTIC ISSUE DATE: 5/12/2 S103	#40788 .00 .00 .00 .00 .00 .00 .00 .00 .00	



1 BUILDING ELEVATION AT OBSERVATION TOWER 1/4" = 1'-0"



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2 SECTION AT LOWER LEVEL FISHING PIER 1/2" = 1'-0"

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CLERMONT, FLORIDA 34711
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S301

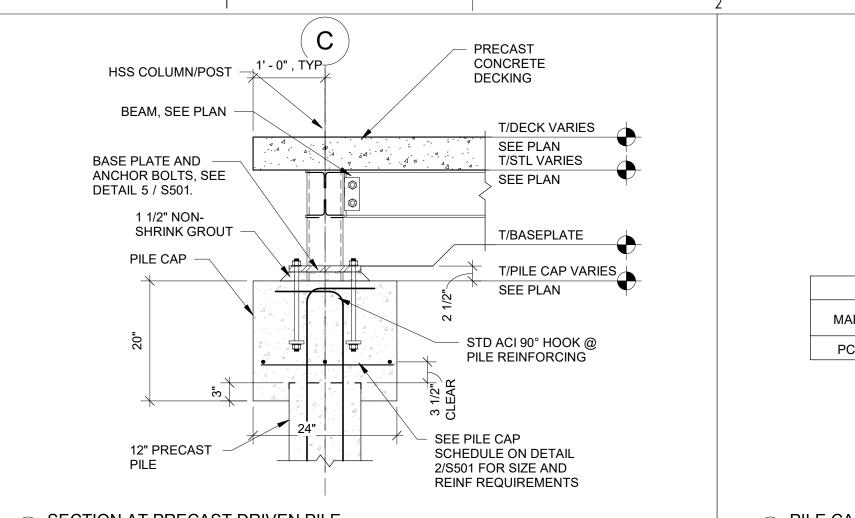
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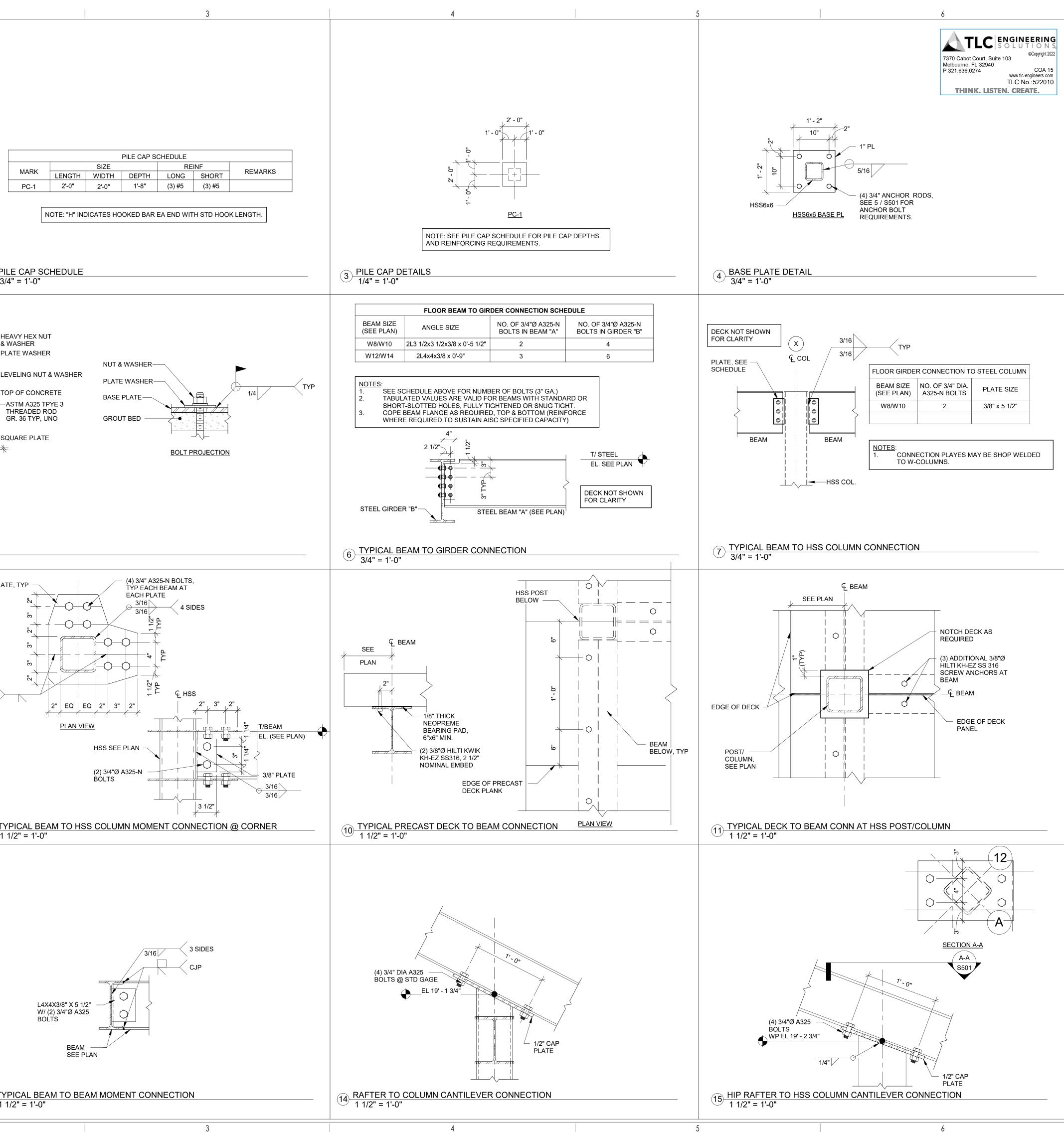
7370 Cabot Court, Suite 103 Melbourne, FL 32940 P 321.636.0274

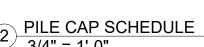
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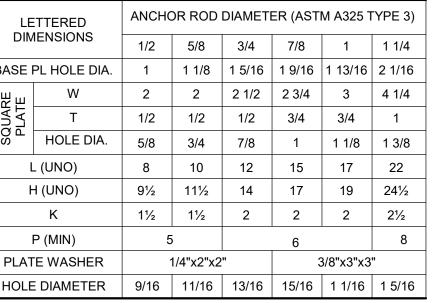
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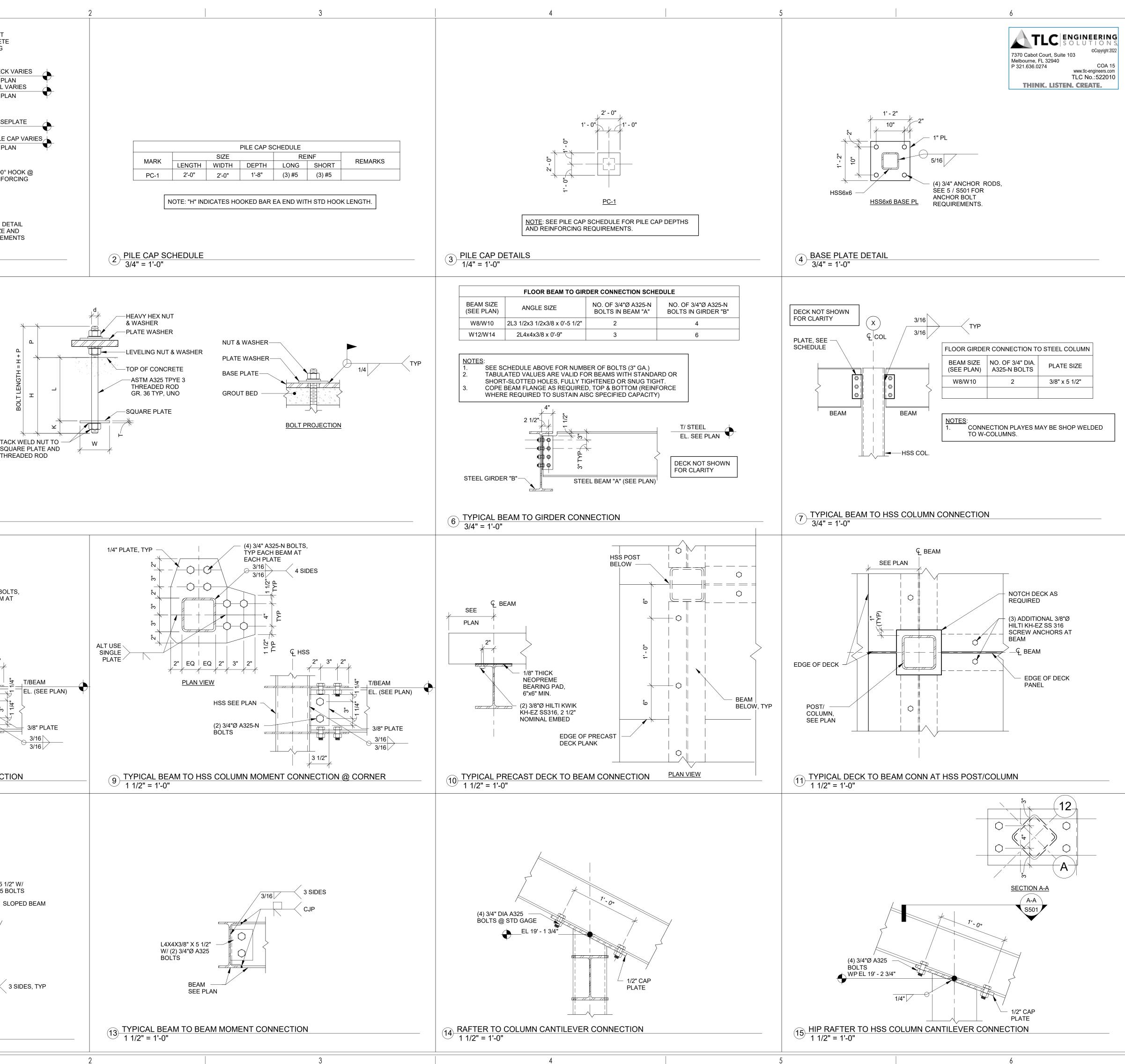


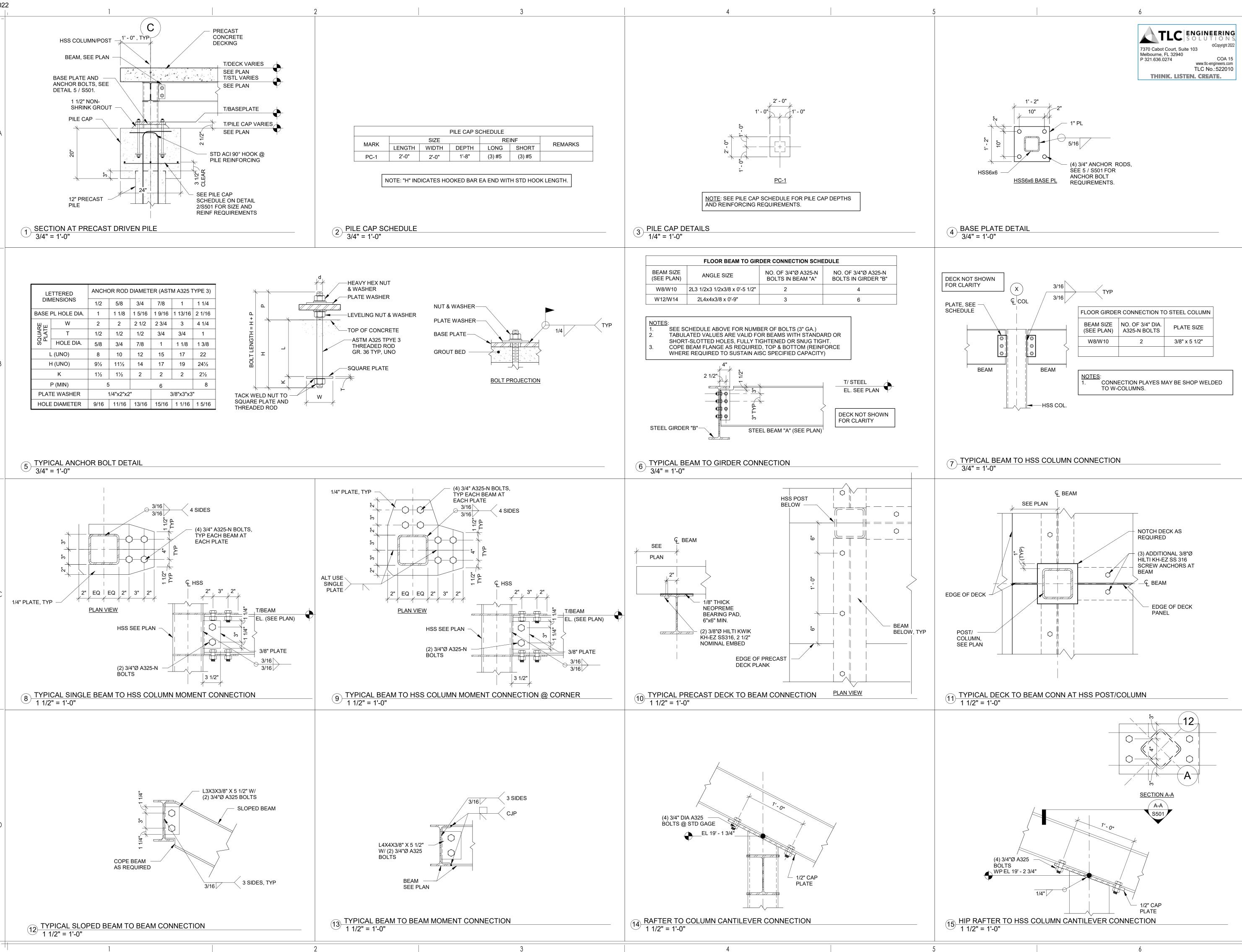


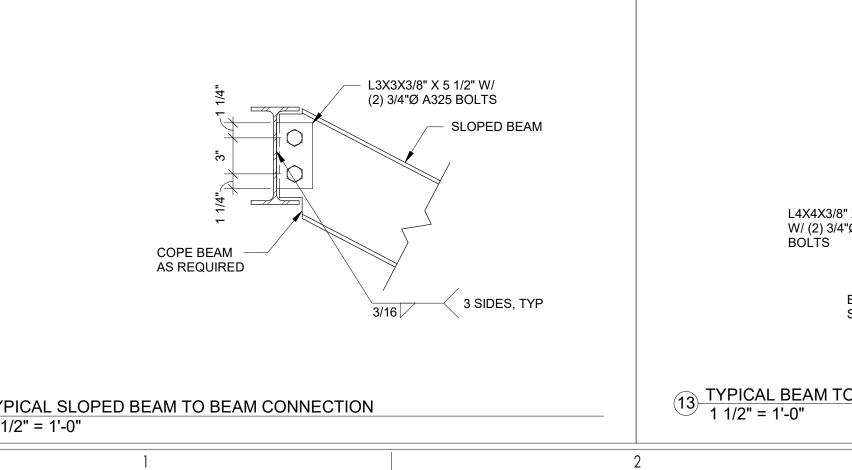


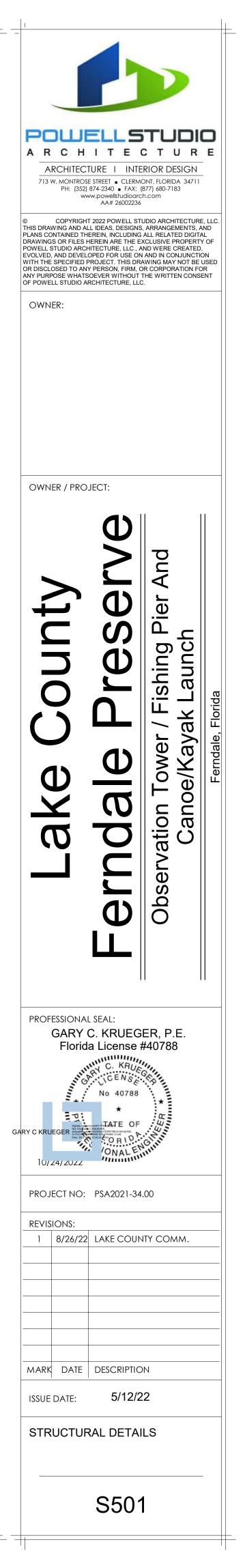


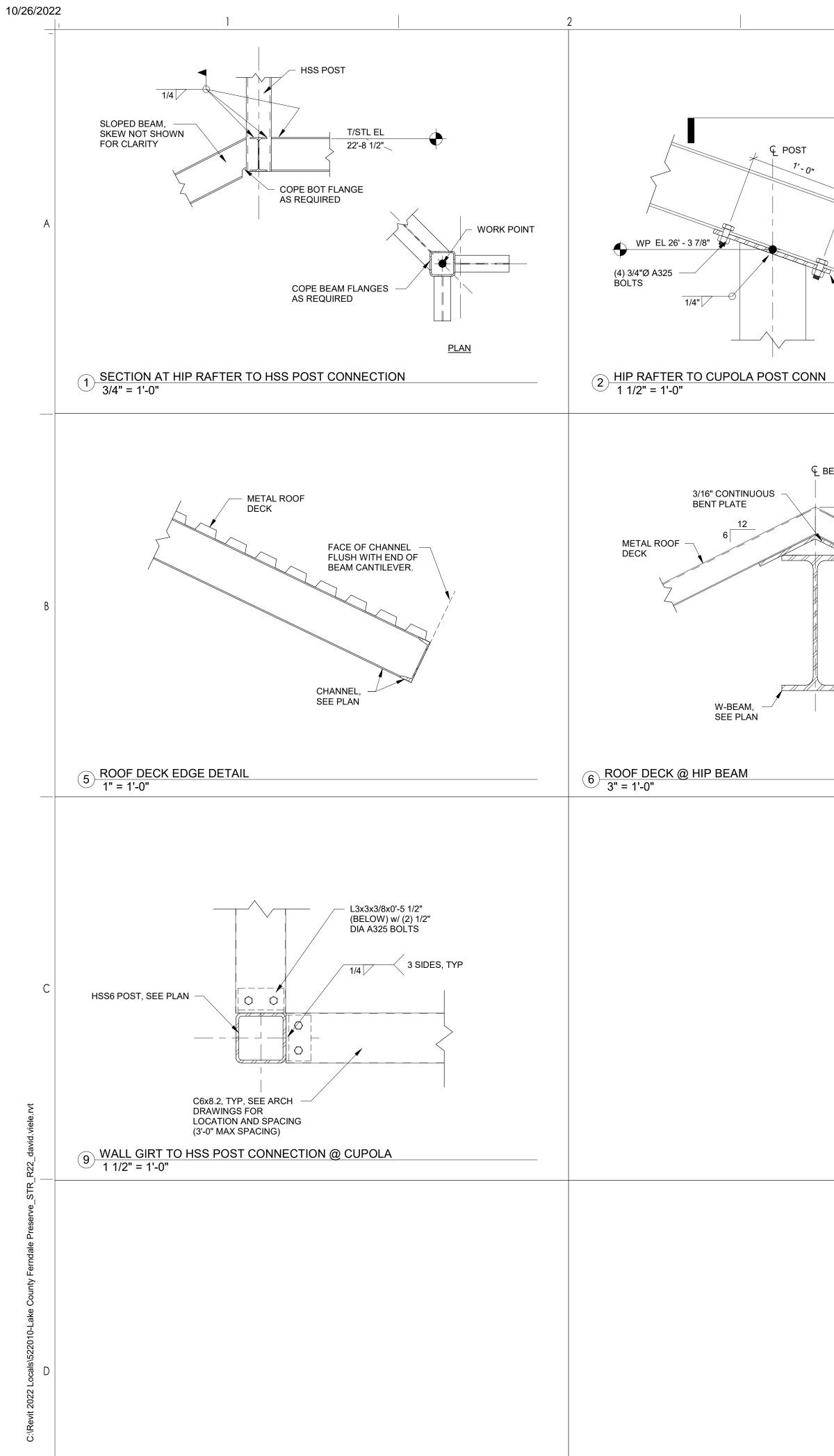


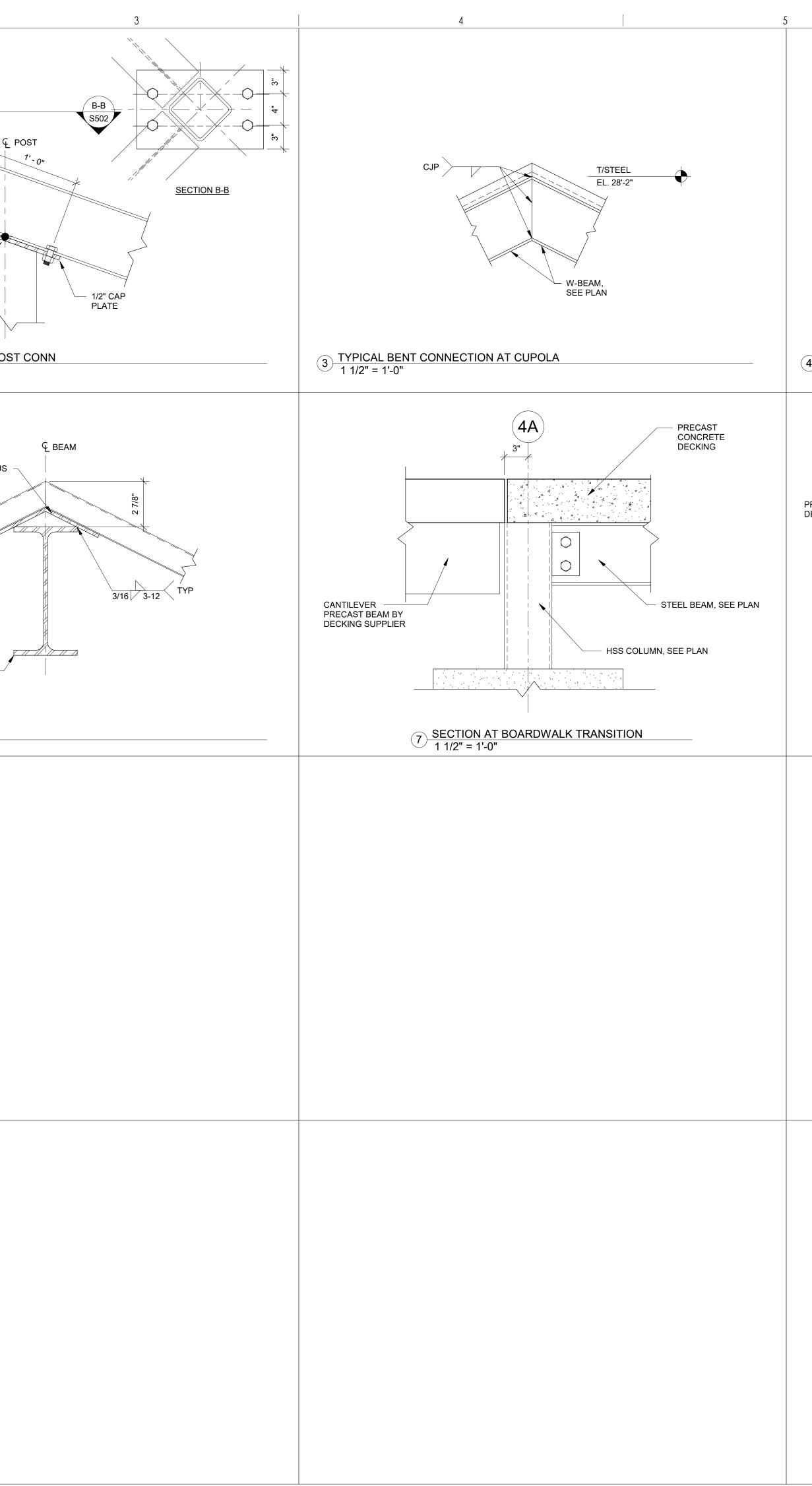








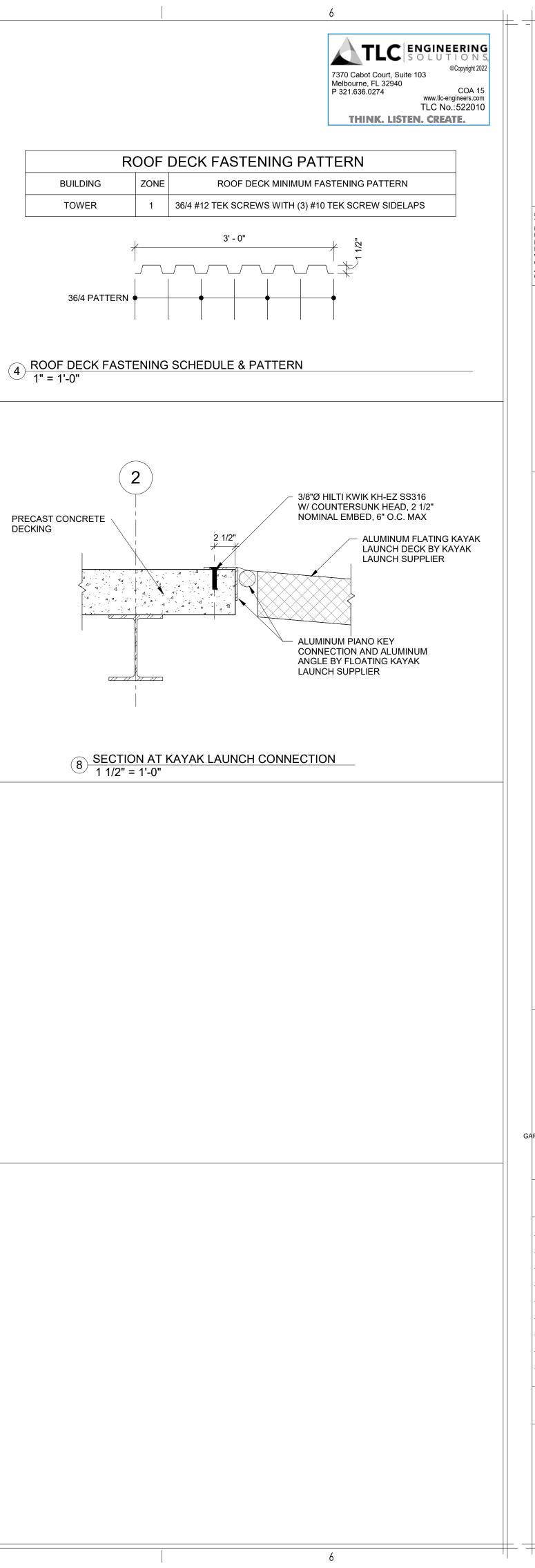




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BENT PLATE

W-BEAM, — SEE PLAN



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	owner/pro	Ferndale Preserve	Observation Tower / Fishing Pier And Canoe/Kayak Launch	Ferndale, Florida
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