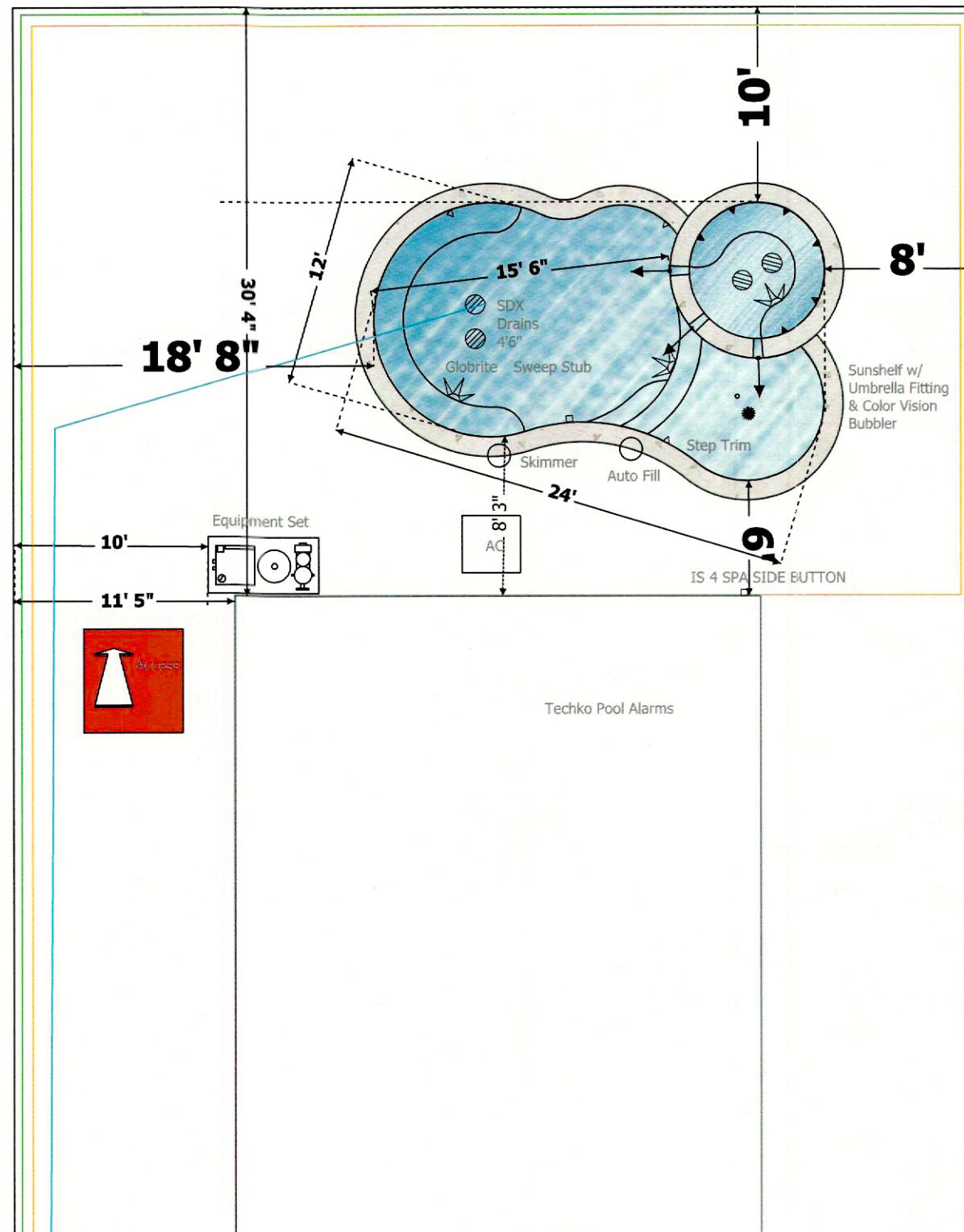


**6010 Cortez Rd. WEST
Bradenton, FL 34210
941-932-1414
CPC-1458020**



Designed by Josh M.. Johnson

BLDG PERMIT PLANS
FILE
Copy of Record



Permit # PSPS23-0024
REVIEWED FOR CODE COMPLIANCE
LONGBOAT KEY BUILDING DEPT.

JUN 16 2023

APPROVED
Reviewer: Stan

RECEIVED
 JUN 16 2023
 TOWN OF LONGBOAT KEY
 Planning, Zoning & Building

Scale: 1/8" = 1 ft

NAME: TOM & PAULA FLAHERTY 5/30/2023
 ADDRESS: 730 FOX ST.
 CITY: LONGBOAT KEY STATE: FL
 PHONE: _____ ZIP: 34228
 EMAIL: flaherty.paula@gmail.com
 CELL: _____

POOL SPECS

SIZE: 12' x 24' SQFT: 210
 DEPTH: 3'6" - 4'6" PERIMETER: 65
 EST TOTAL GALLONS: 5,000 SKIMMERS: Yes 1
 RETURNS: 3 INTERIOR MATERIAL: Mini Pebble
 LIGHTS: 2 LED Globrite Color TILE: Glass
 SPECIAL: Umbrella Hole, Color Vision Bubblers
 NOTES: _____

SPA SPECS

SIZE: 7' x 7' SQFT: 38
 DEPTH: 3'6" PERIMETER: 22
 RAISED HEIGHT: 18" SPILLWAY: Open
 THERAPY JETS: 6 TILE: Glass
 SPECIAL: 1 LED Globrite Color
 NOTES: _____

DECK

DECK TYPE: Turf ELEVATION: Grade
 TOTAL DECK SQFT: TBD PERIMETER: _____
 RAISED BEAM: _____ LIP STYLE: Travertine Coping
 SPECIAL: _____
 NOTES: _____

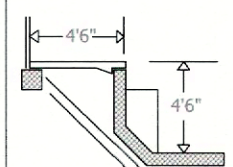
EQUIPMENT

POOL PUMP: Pentair Intelliflo 2ND PUMP: _____
 FILTRATION: IC 40 FILTER SIZE: CC RP 200
 HEATER: T140 INLINE: Sweep Stub
 TIMER: Easy Touch 4 Controller GAS: No
 SPECIAL: Screen Logic
 NOTES: IS 4 SPA SIDE BUTTON

Customer Signature

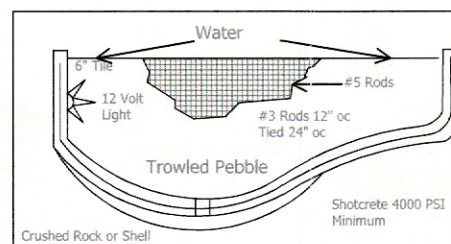
Date

Angle of Repose



#8 AWG BOND WIRE 4"-6"
BELOW SUBGRADE 18"-24"
FROM POOL BONDED @ 4
POINTS TO POOL SHELL
NEC 680.26 (B)(2)(B)

CHILD SAFETY ALARMS SHALL BE
SYSTEM PREVIOUSLY APPROVED BY THE
BLDG. DEPT., INSTALLED AND ACTIVE
ON ALL DOORS AND WINDOWS AT TIME
OF FINAL INSPECTION PURSUANT TO
424.2.17.1.9F.B.C.



6' PVC Fence around Pool
All Gates to have outward
opening self closing
self latching hardware set at

730fox TOPO-SURVEY

LEGAL DESCRIPTION:

LOT 4, BLOCK 18, OF "REVISED LONGBEACH", ACCORDING TO THE MAP OR PLAT THEREOF, AS RECORDED IN PLAT BOOK 6, PAGE 66, OF THE PUBLIC RECORDS OF MANATEE COUNTY, FLORIDA.

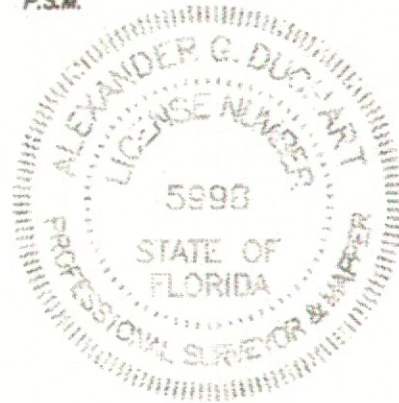


NORTH

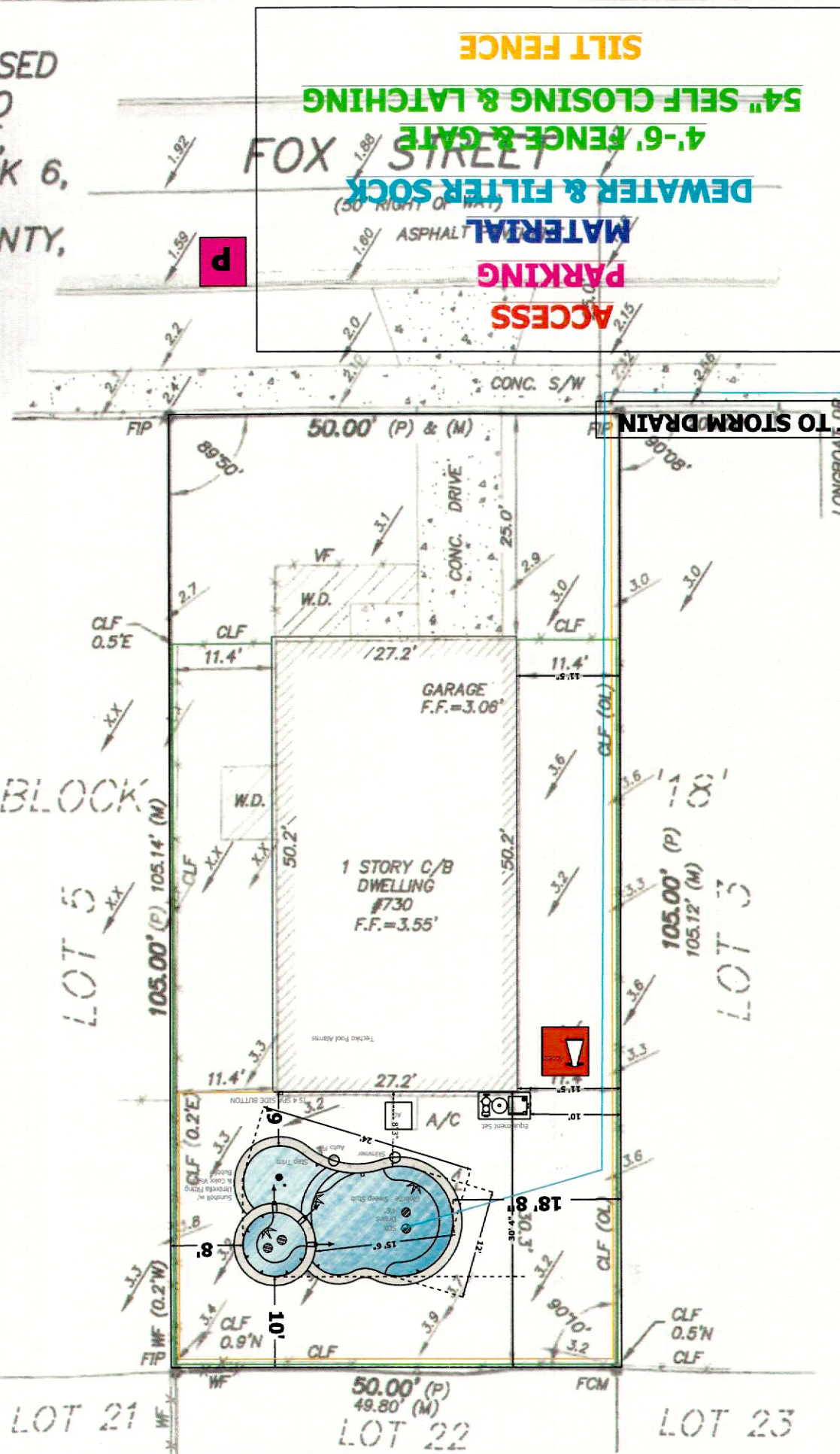
SURVEYOR'S NOTES:

1. BUILDING SETBACKS SHOWN HEREON WERE TAKEN AT THE FOUNDATION OF BUILDING.
2. VISIBLE EASEMENTS OR ENCROACHMENTS ARE SHOWN OR NOTED HEREON.
3. THE SYMBOLS REFLECTED IN THE LEGEND AND ON THIS SURVEY MAY HAVE BEEN ENLARGED FOR CLARITY. THE SYMBOLS HAVE BEEN PLOTTED AT THE CENTER OF THE FIELD LOCATION AND MAY NOT REPRESENT THE ACTUAL SHAPE OR SIZE OF THE FEATURE.
4. ELEVATIONS SHOWN ON THIS SURVEY ARE REFERRED TO NAVD 1988 DATUM, DERIVED FROM GPS OBSERVATIONS, OBTAINED FROM DOT'S RTK NETWORK.
5. UNDERGROUND IMPROVEMENTS, UTILITIES OR ENCROACHMENTS NOT LOCATED.

"THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ALEXANDER DUCHART P.S.M."



SCALE: 1" = 20'



BOUNDARY SURVEY

FEBRUARY 10, 2013

Alexander G. Duchart
ALEXANDER G. DUCHART
PROFESSIONAL SURVEYOR & MAPPER
FLORIDA REGISTRATION NO. 5998

LOT AREA = 5,250 SQ.FT.±

ABBREVIATIONS:

- FIP = FOUND 5/8" IRON PIPE "NO.I.D."
- L.B. = LICENSED BUSINESS
- IR = FOUND 5/8" IRON ROD "NO.I.D."
- CONC. = CONCRETE
- C/B = CONCRETE BLOCK
- COV. = COVERED
- A/C = AIR CONDITIONER
- (M) = MEASURED
- (P) = RECORD PLAT INFORMATION
- S/W = CONCRETE SIDEWALK
- VF = VINYL FENCE
- I.D. = IDENTIFICATION
- W.D. = WOOD DECK
- CLF = CHAIN LINK FENCE
- WF = WOOD FENCE
- (OL) = ON LINE
- F.F. = FINISHED FLOOR ELEVATION
- 5.00' = EXISTING ELEVATION

FLOOD INFORMATION:

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY APPEARS TO BE LOCATED IN FLOOD ZONE 'AE', ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 12081-C-0277-F, DATED AUGUST 10, 2021

CERTIFIED TO:

ADDRESS: 730 FOX STREET, LONGBOAT KEY, FL 34228

CLIENT	730-FOX
JOB NO.	01-19-13
ACAD FILE	730FOX
FIELD DATE	01-28-13
CHECKED BY:	SD
DRAWN BY:	SD
FLD. BOOK:	AG003-PG03
REVISIONS	DATE

"UNLESS IT BEARS THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER, THE BOUNDARY SURVEY IS FOR INFORMATION ONLY AND IS NOT VALID"



A.DUCHART LAND SURVEYING, INC.

2403 VERMONT AVENUE EAST
BRADENTON, FL 34208
aduchart@gmail.com
941-898-8811

LB-8118

RECEIVED
JUN 06 2013
TOWN OF LONGBOAT KEY
Planning, Zoning & Building

730fox TOPO-SURVEY

LEGAL DESCRIPTION:

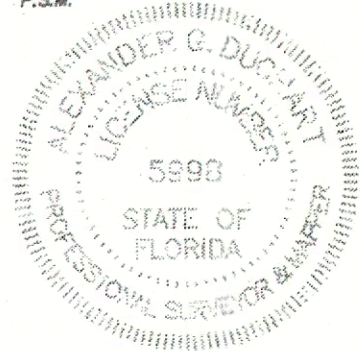
LOT 4, BLOCK 18, OF "REVISED LONGBEACH", ACCORDING TO THE MAP OR PLAT THEREOF, AS RECORDED IN PLAT BOOK 6, PAGE 66, OF THE PUBLIC RECORDS OF MANATEE COUNTY, FLORIDA.



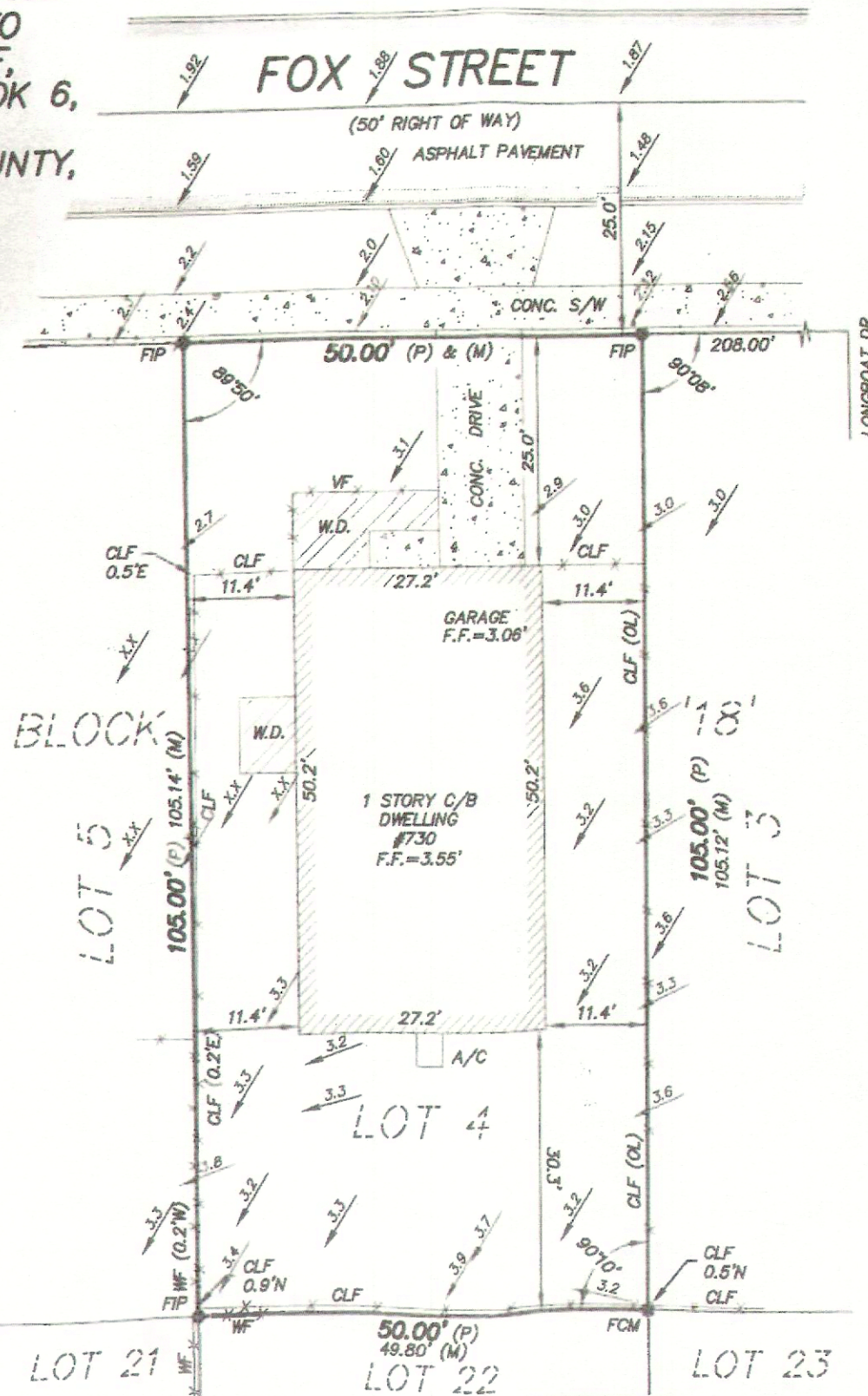
SURVEYOR'S NOTES:

- BUILDING SETBACKS SHOWN HEREON WERE TAKEN AT THE FOUNDATION OF BUILDING.
- VISIBLE EASEMENTS OR ENCROACHMENTS ARE SHOWN OR NOTED HEREON.
- THE SYMBOLS REFLECTED IN THE LEGEND AND ON THIS SURVEY MAY HAVE BEEN ENLARGED FOR CLARITY. THE SYMBOLS HAVE BEEN PLOTTED AT THE CENTER OF THE FIELD LOCATION AND MAY NOT REPRESENT THE ACTUAL SHAPE OR SIZE OF THE FEATURE.
- ELEVATIONS SHOWN ON THIS SURVEY ARE REFERRED TO NAVD 1988 DATUM, DERIVED FROM GPS OBSERVATIONS, OBTAINED FROM DOT'S RTK NETWORK.
- UNDERGROUND IMPROVEMENTS, UTILITIES OR ENCROACHMENTS NOT LOCATED.

"THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ALEXANDER DUCHART P.S.M."



SCALE: 1" = 20'



BOUNDARY SURVEY

FEBRUARY 10, 2013

(Signature)
ALEXANDER G. DUCHART
PROFESSIONAL SURVEYOR & MAPPER
FLORIDA REGISTRATION NO. 5998

LOT AREA = 5,250 SQ.FT.±

ABBREVIATIONS:

- FIP = FOUND 5/8" IRON PIPE "NO.I.D."
- LB = LICENSED BUSINESS
- IR = FOUND 5/8" IRON ROD "NO.I.D."
- CONC. = CONCRETE
- C/B = CONCRETE BLOCK
- COV. = COVERED
- A/C = AIR CONDITIONER
- (M) = MEASURED
- (P) = RECORD PLAT INFORMATION
- S/W = CONCRETE SIDEWALK
- VF = VINYL FENCE
- I.D. = IDENTIFICATION
- W.D. = WOOD DECK
- CLF = CHAIN LINK FENCE
- WF = WOOD FENCE
- (OL) = ON LINE
- F.F. = FINISHED FLOOR ELEVATION
- 3.50' = EXISTING ELEVATION

FLOOD INFORMATION:

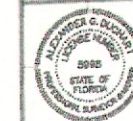
BY GRAPHIC PLOTTING ONLY, THIS PROPERTY APPEARS TO BE LOCATED IN FLOOD ZONE 'AE', ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 12081-C-0277-F, DATED AUGUST 10, 2021

CERTIFIED TO:

ADDRESS: 730 FOX STREET, LONGBOAT KEY, FL 34228

CLIENT 730-FOX
JOB NO. 01-19-13
ACAD FILE 730FOX
FIELD DATE 01-28-13 CHECKED BY: SD
DRAWN BY: SD FLD. BOOK: AGD03-PG03
REVISIONS DATE

"UNLESS IT BEARS THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER, THE BOUNDARY SURVEY IS FOR INFORMATION ONLY AND IS NOT VALID"



A. DUCHART LAND SURVEYING, INC.

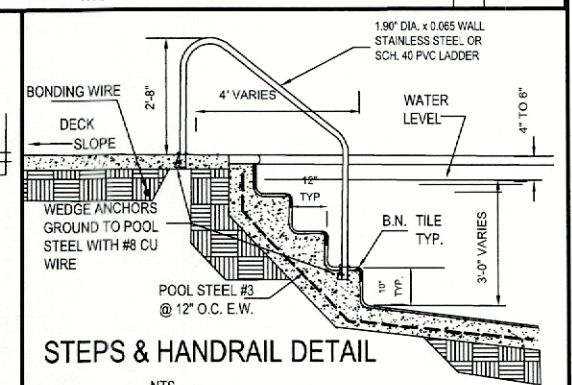
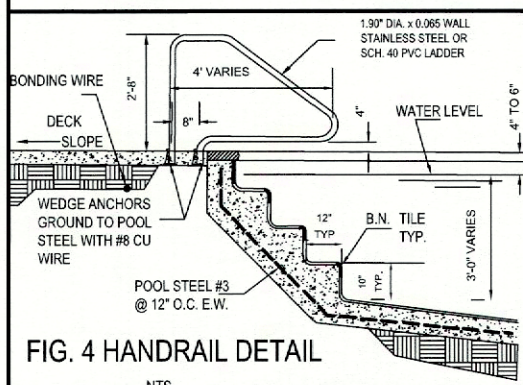
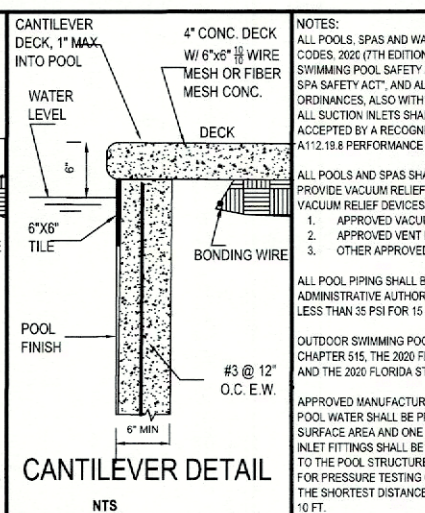
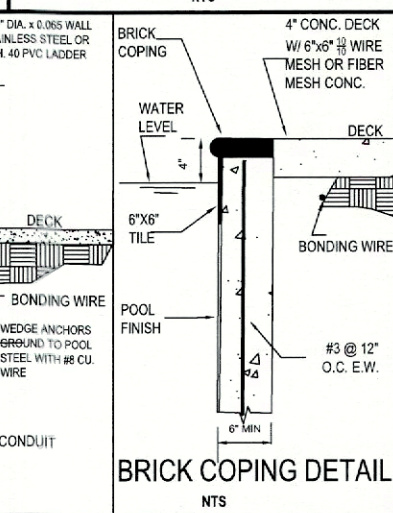
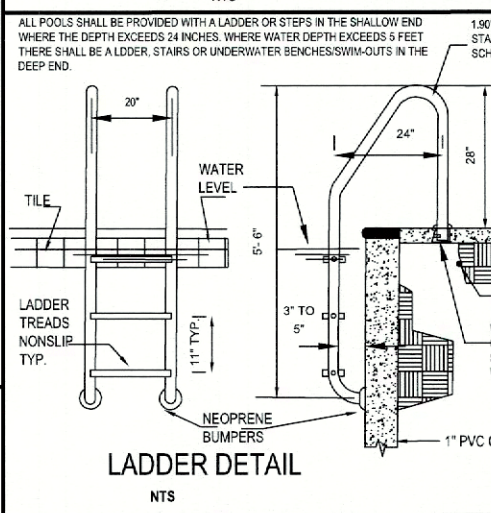
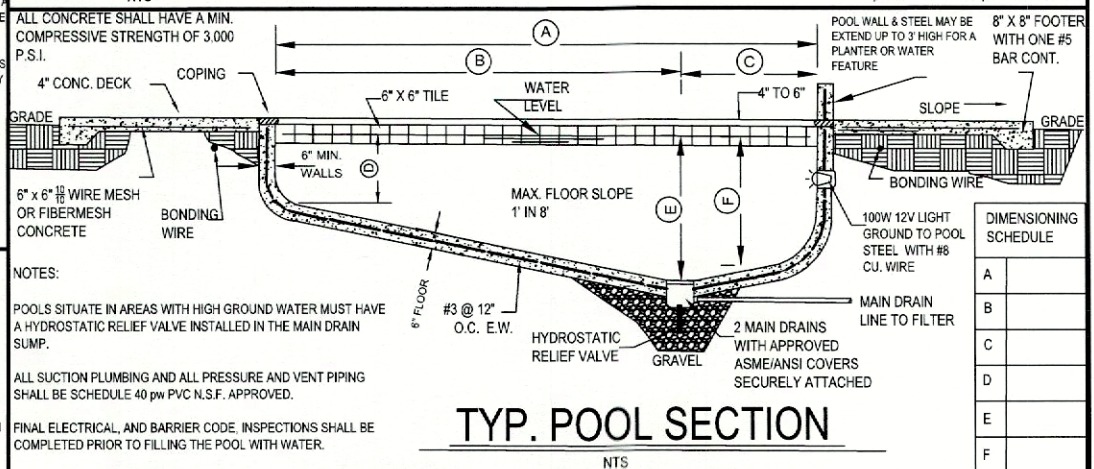
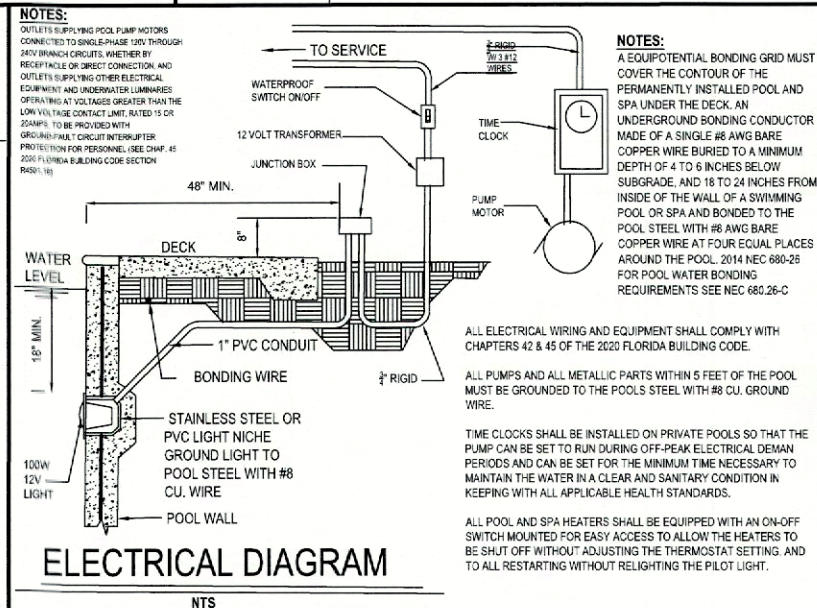
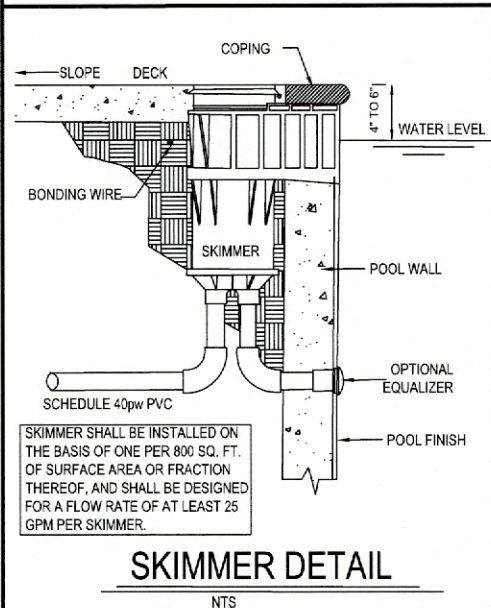
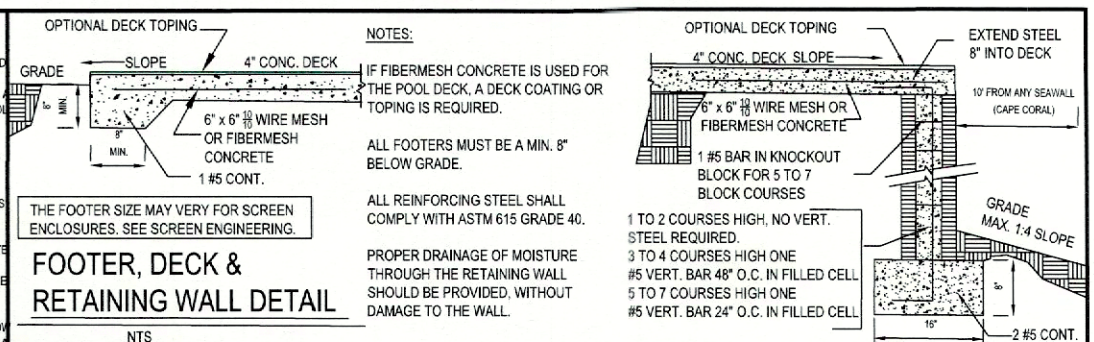
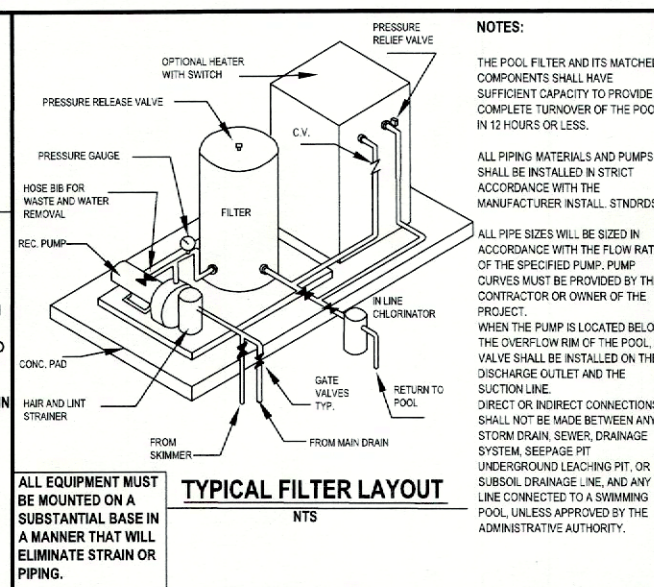
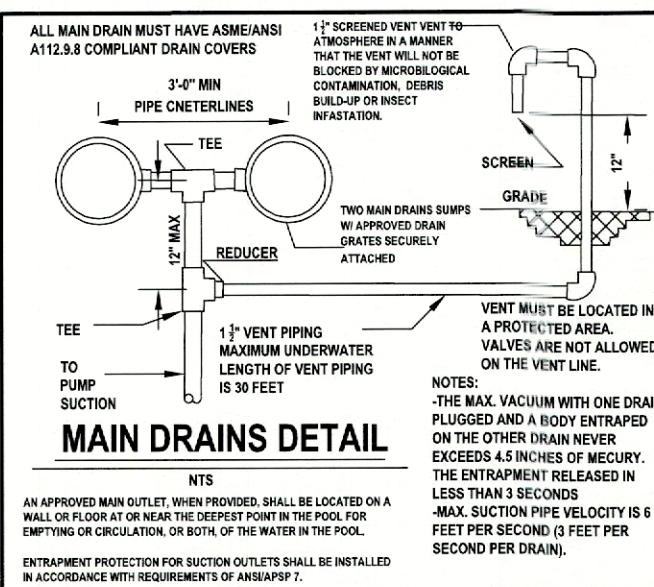
2403 VERMONT AVENUE EAST
BRADENTON, FL 34208
aduchart@gmail.com
941-868-6611

LB-8116

TOWN OF LONGBOAT KEY
Planning, Zoning & Building

JUN 06 2023

RECEIVED



THE ENGINEER SHALL NOT BE HELD LIABLE FOR 1.) FAULTY MATERIALS AND CONSTRUCTION. 2.) INADEQUATE OR IMPROPER SUPERVISION OF CONSTRUCTION. 3.) IMPROPER POOL MAINTENANCE AFTER CONSTRUCTION. 4.) HYDROSTATIC UPLIFT OF THE POOL.

THESE PLANS ARE FOR RESIDENTIAL POOLS ONLY AND THEY MAY NOT BE USED FOR ANY COMMERCIAL POOL OR COMMERCIAL EXEMPT POOL. THESE PLANS ARE FOR THE EXPLICIT USE FOR THE BUILDER NAMED. NO OTHER BUILDER MAY USE THESE PLANS WITHOUT THE WRITTEN CONSENT FROM THE BUILDER AND TNS DESIGN & CONSULTING, LLC.

TNS DESIGN & CONSULTING, LLC
1532 US HWY 41 BYP S #204
VENICE, FL 34293
PHONE 941.586.0142
TARA@TNSDESIGNANDCONSULTING.COM
TARA N. SALL,
FLORIDA PE LICENSE NO. 90481

TNS
Design & Consulting
BEYOND THE EXPECTED

DESIGN, CONSTRUCTION AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF ANS/APSP 1 STANDARD FOR RESIDENTIAL SWIMMING POOLS PUBLISHED BY THE NATIONAL SPA & POOL INSTITUTE (NSPI) OR OTHER ACCEPTED ENGINEERING PRACTICES.

ALL MATERIALS, PIPING, VALVES, EQUIPMENT OR APPLIANCES ENGINEERING INTO THE CONSTRUCTION OF SWIMMING POOLS OR PORTIONS THEREOF SHALL BE A TYPE THAT COMPLIES WITH BUILDING CODE OR OF A TYPE RECOMMENDED AND APPROVED BY A NATIONALLY RECOGNIZED TESTING AGENCY OR CONFORMS TO OTHER RECOGNIZED STANDARDS ACCEPTABLE TO THE ADMINISTRATIVE AUTHORITY.

ATMOSPHERIC VENT ARRANGEMENT COMPLIANT WITH 454.2.6.5 2020 FLORIDA BUILDING CODE PER NEC 680.22-8 POOL PUMP MOTORS MUST BE GFCI PROTECTED FOR POOL WATER BONDING REQUIREMENTS SEE NEC 680.25-C

THIS RESIDENTIAL POOL MASTER STRUCTURAL DESIGN IS ALLOWED IN ALL ZONES EXCEPT "V" ZONES, AND FOR A MAX WATER DEPTH OF 2'-0" AND FLOOR FINISH UP TO 12'-0" FROM THE NEAREST WALL OF WIRE MESH. CONSULT THE ENGINEER FOR THE DESIGNS THAT EXCEED EITHER OF THESE DIMENSIONS. PLEASE REFER TO 2020 FLORIDA BUILDING CODE RESIDENTIAL CHAPTERS 42 & 45 AND TO 2020 FLORIDA BUILDING CODE CONSERVATION SECTIONS 403.9.1 THROUGH 403.9.3 (SEE BELOW):

453.9.3 COVERS HEATED SWIMMING POOLS AND IN-GROUND PERMANENTLY INSTALLED SPAS SHALL BE EQUIPPED WITH A VAPOR-RETARDANT COVER ON OR AT THE WATER SURFACE OR A LIQUID COVER OR OTHER MEANS PROVEN TO REDUCE HEAT LOSS. EXCEPTION: OUTDOOR POOLS DERIVING OVER 70% OF THE ENERGY FOR HEATING FROM SITE-COVERED ENERGY OR SOLAR ENERGY SOURCE COMPUTED OVER AN OPERATING SEASON.

POOL FILTRATION PUMP MOTORS SHALL MEET THE FOLLOWING REQUIREMENTS:

- POOL PUMP MOTORS SHALL NOT BE SPLIT-PHASE, SHAPED POLE, OR CAPACITOR START INDUCTION TYPES.
- POOL PUMPS AND MOTORS WITH A TOTAL HORSEPOWER GREATER THAN OR EQUAL TO 1 HP SHALL HAVE THE CAPABILITY OF OPERATING AT TWO OR MORE SPEEDS. THE LOW SPEED SHALL HAVE A ROTATION RATE OF NO MORE THAN 1/2 OF THE MOTOR'S MAXIMUM ROTATION RATE.
- POOL PUMP CONTROLS SHALL HAVE THE CAPABILITY OF OPERATING THE POOL PUMP AT A MINIMUM OF TWO SPEEDS. THE DEFAULT CIRCULATION SPEED SHALL BE THE RESIDENTIAL FILTRATION SPEED WITH A HIGH SPEED OVERRIDE CAPABILITY FOR A TEMPORARY PERIOD NOT TO EXCEED ONE NORMAL CYCLE OR 24 HOURS, WHICHEVER IS LESS. EXCEPTION: SOLAR POOL HEATING SYSTEMS SHALL BE PERMITTED TO RUN AT HIGHER SPEEDS DURING PERIODS OF USABLE SOLAR HEAT GAIN.

MAXIMUM RATE THROUGH FILTERS	MAXIMUM WATER FLOWS IN PVC PIPE	
	PIPE SIZE	PRESSURE @ 10 FPS
RAPID SAND	5 GPM PER SF	63.3 GPM
DE	2 GPM PER SF	83.3 GPM
CARTRIDGE	1 GPM PER SF	104 GPM
		149 GPM
		227 GPM
		317 GPM

CONTRACTOR
TOM SANGER POOL & SPA, FL LIC. CPC-1458020
6010 CORTEZ ROAD WEST
BRADENTON, FL 34210

MUNICIPALITY
TOWN OF LONGBOAT KEY

THESE PLANS MAY NOT BE REPRODUCED OR COPIED WITHOUT WRITTEN PERMISSION FROM TNS DESIGN & CONSULTING

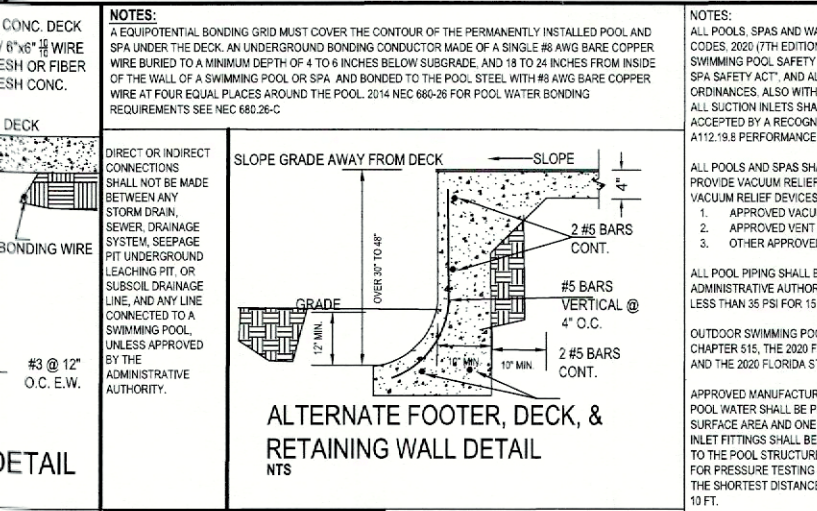
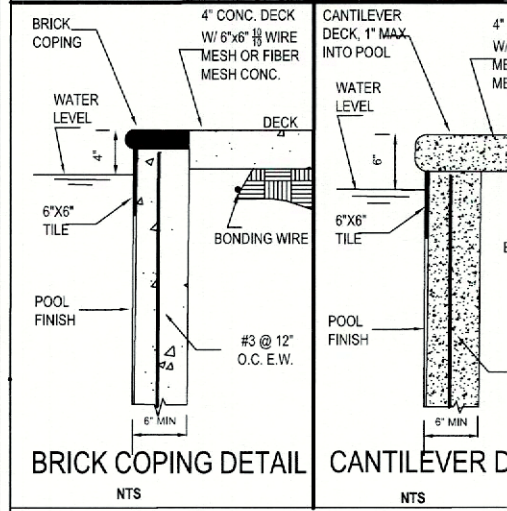
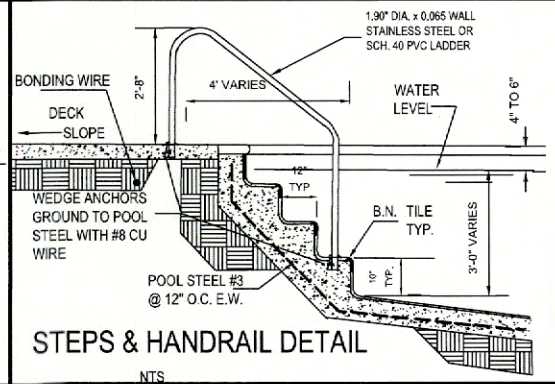
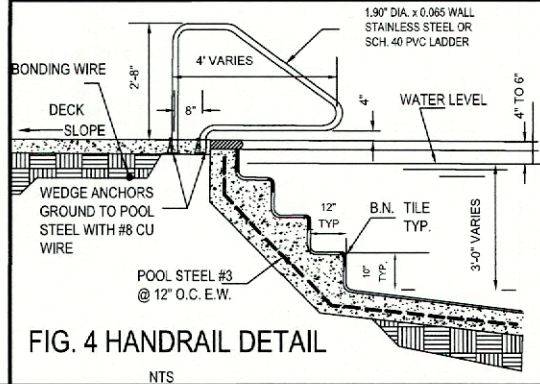
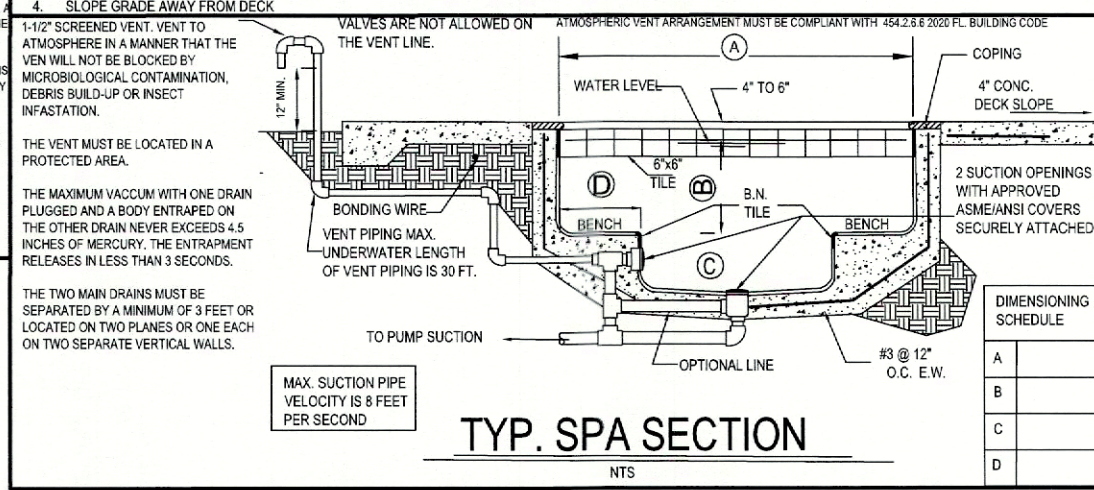
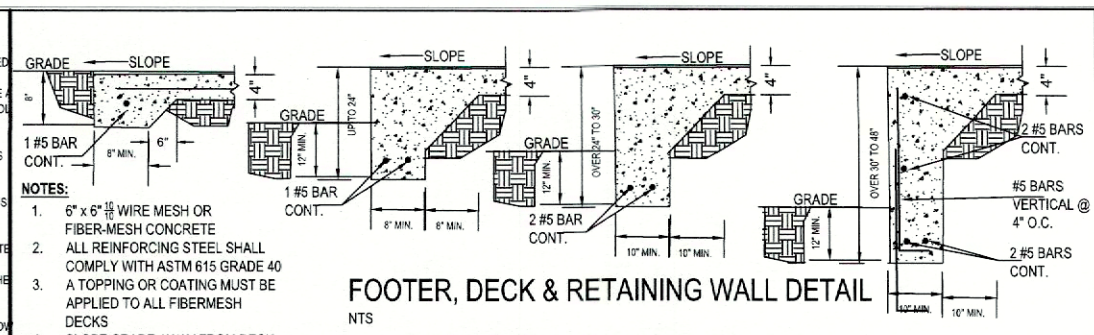
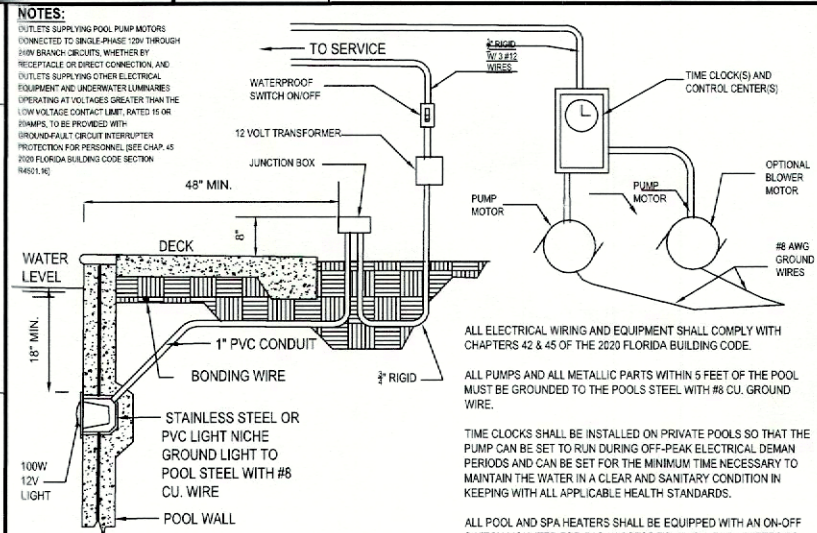
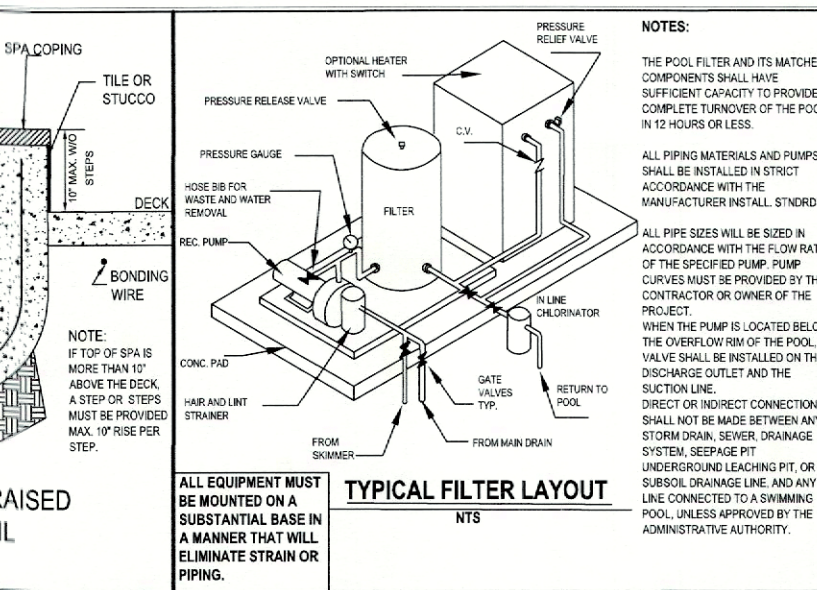
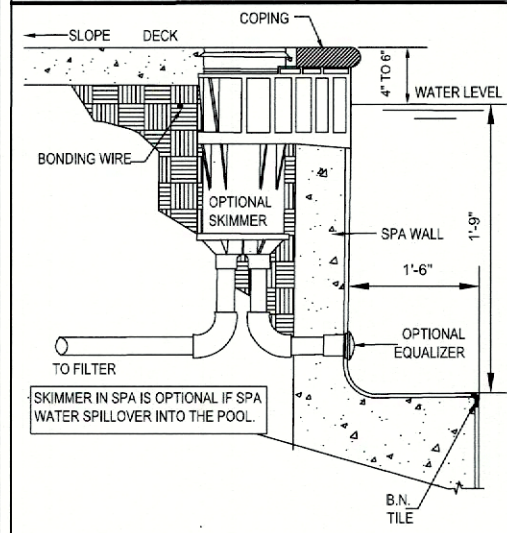
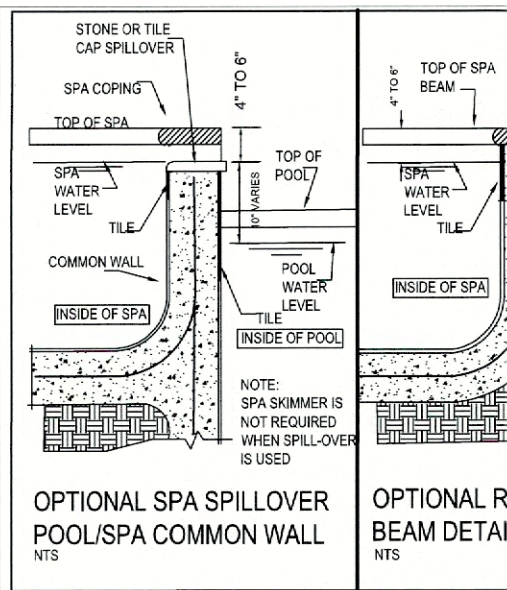
DRAWING NAME:
RESIDENTIAL POOL MASTER

SCALE: NTS
DRAWN BY: TNS
CHECKED BY: TNS
DATE: 3.1.2023

FILE NAME:
MASTERRP2022

SHEET 1 OF 1

RECEIVED
 JUN 06 2023
 TOWN OF LONGBOAT KEY
 Planning, Zoning & Building



NOTES:
 ALL POOLS SHALL CONFORM WITH THE FLORIDA BUILDING CODES 2020 (7TH EDITION), ALSO WITH THE 2020 FLORIDA STATUTES, RESIDENTIAL SWIMMING POOL SAFETY ACT CHAPTER 515, THE VIRGINIA, GRAHAM BAKER POOL AND SPA SAFETY ACT, AND ALL OTHER APPLICABLE CITY OR COUNTY CODES AND ORDINANCES. ALSO WITH FBC 2020 RESIDENTIAL R322.3.
 ALL SUCTION INLETS SHALL BE PROVIDED WITH A COVER THAT HAS BEEN TESTED AND ACCEPTED BY A RECOGNIZED TESTING FACILITY AND COMPLY WITH ANSIA/ASME A112.19.8 PERFORMANCE STANDARDS.
 ALL POOLS AND SPAS SHALL BE REQUIRED TO HAVE A BACKUP SYSTEM WHICH SHALL PROVIDE VACUUM RELIEF SHOULD THE GATE COVERS BE MISSING. ALTERNATIVE VACUUM RELIEF DEVICES SHALL INCLUDE EITHER:
 1. APPROVED VACUUM RELEASE SYSTEM
 2. APPROVED VENT PIPING
 3. OTHER APPROVED DEVICES OR MEANS
 ALL POOL PIPING SHALL BE TESTED AND PROVED TIGHT TO THE SATISFACTION OF THE ADMINISTRATIVE AUTHORITY UNDER A STATIC WATER OR PRESSURE TEST OF NOT LESS THAN 35 PSI FOR 15 MINUTES.
 OUTDOOR SWIMMING POOLS SHALL BE PROVIDED WITH A BARRIER COMPLYING WITH CHAPTER 515, THE 2020 FLORIDA STATUTES, RESIDENTIAL SWIMMING POOL SAFETY ACT AND THE 2020 FLORIDA STATE BUILDING CODE.
 APPROVED MANUFACTURED INLET FITTINGS FOR THE RETURN OF RECIRCULATED POOL WATER SHALL BE PROVIDED ON THE BASIS OF AT LEAST ONE PER 300 SF OF SURFACE AREA AND ONE FOR EVERY 20 GPM OF THE RECIRCULATION RATE. SUCH INLET FITTINGS SHALL BE DESIGNED & CONSTRUCTED TO ENSURE AN ADEQUATE SEAL TO THE POOL STRUCTURE & SHALL INCORPORATE A CONVENIENT MEANS OF SEALING FOR PRESSURE TESTING OF THE PIPES. WHERE MORE THAN ONE INLET IS REQUIRED, THE SHORTEST DISTANCE BETWEEN ANY TWO REQUIRED INLETS SHALL BE AT LEAST 10 FT.
 DESIGN, CONSTRUCTION AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF ANS/INSP/1 'STANDARD FOR RESIDENTIAL SWIMMING POOLS' PUBLISHED BY THE NATIONAL SPA & POOL INSTITUTE (NSPI) OR OTHER ACCEPTED ENGINEERING PRACTICES.
 ALL MATERIALS, PIPING, VALVES, EQUIPMENT OR APPLIANCES ENGINEERING INTO THE CONSTRUCTION OF SWIMMING POOLS OR PORTIONS THEREOF SHALL BE A TYPE THAT COMPLES WITH BUILDING CODE OR OF A TYPE RECOMMENDED AND APPROVED BY A NATIONALLY RECOGNIZED TESTING AGENCY OR CONFORMS TO OTHER RECOGNIZED STANDARDS ACCEPTABLE TO THE ADMINISTRATIVE AUTHORITY.

ATMOSPHERIC VENT ARRANGEMENT COMPLIANT WITH 454.2.8 & 2020 FLORIDA BUILDING CODE PER NEC 680.22-6 POOL PUMP MOTORS MUST BE GFCI PROTECTED FOR POOL WATER BONDING REQUIREMENTS SEE NEC 680.24-C

THIS RESIDENTIAL POOL MASTER STRUCTURAL DESIGN IS ALLOWED IN ALL ZONES EXCEPT "F" ZONES, AND FOR A MAX WATER DEPTH OF 8'-0" AND FLOOR LOCATIONS UP TO 12'-4" FROM THE NEAREST WALL. 2" WIDE MAX. CONSULT THE ENGINEER FOR THE SESSIONS THAT EXCEED EITHER OF THESE DIMENSIONS. PLEASE REFER TO 2020 FLORIDA BUILDING CODE RESIDENTIAL CHAPTERS 42 & 45 AND TO 2020 FLORIDA BUILDING CODE CONSERVATION SECTIONS 403.9.1 THROUGH 403.9.3 (SEE BELOW).

403.9.3 COVERS HEATED SWIMMING POOLS AND IN-GROUND PERMANENTLY INSTALLED SPAS SHALL BE EQUIPPED WITH A VAPOR-RETARDANT COVER ON OR AT THE WATER SURFACE OR A LIQUID COVER OR OTHER MEANS PROVEN TO PREDUCE HEAT LOSS. EXCEPTION: OUTDOOR POOLS DENYING OVER 70% OF THE ENERGY FOR HEATING FROM SITE COVERED ENERGY OR SOLAR ENERGY SOURCE COMPUTED OVER AN OPERATING SEASON.

POOL FILTRATION PUMP MOTORS SHALL MEET THE FOLLOWING REQUIREMENTS:
 1. POOL PUMP MOTORS SHALL NOT BE SPLIT-PHASE, SHADOW POLE, OR CAPACITOR START INDUCTION TYPES.
 2. POOL PUMPS AND MOTORS WITH A TOTAL HORSEPOWER GREATER THAN OR EQUAL TO 1 HP SHALL HAVE THE CAPABILITY OF OPERATING AT TWO OR MORE SPEEDS. THE LOW SPEED SHALL HAVE A ROTATION RATE OF NO MORE THAN 1/2 OF THE MOTORS MAXIMUM ROTATION RATE.
 POOL PUMP CONTROLS SHALL HAVE THE CAPABILITY OF OPERATING THE POOL PUMP AT A MINIMUM OF TWO SPEEDS. THE DEFAULT CIRCULATION SPEED SHALL BE THE RESIDENTIAL FILTRATION SPEED WITH A HIGH SPEED OVERRIDE CAPABILITY FOR A TEMPORARY PERIOD NOT TO EXCEED ONE NORMAL CYCLE OR 24 HOURS, WHICHEVER IS LESS. EXCEPTION: SOLAR POOL HEATING SYSTEMS SHALL BE PERMITTED TO RUN AT HIGHER SPEEDS DURING PERIODS OF USABLE SOLAR HEAT GAIN.

DIRECTION OF TARA N. SALL, PE TNS DESIGN & CONSULTING, LLC. 1532 US HWY 41 BYP S, #204 VENICE, FLORIDA 34293 FL. LICENSE # 90481	MAXIMUM RATE THROUGH FILTERS		MAXIMUM WATER FLOWS IN PVC PIPE	
	PIPE SIZE	PRESSURE @ 10 FPS	PIPE SIZE	SUCTION @ 8 FPS
CONTRACTOR TOM SANGER POOL & SPA, FL LIC. CPC-1458020 6010 CORTEZ ROAD WEST BRADENTON, FL 34210	1/2"	5 GPM PER SF	1/2"	53.3 GPM
	3/4"	2 GPM PER SF	3/4"	104 GPM
	1"	1 GPM PER SF	1"	149 GPM
	1 1/2"		1 1/2"	227 GPM
			2"	396 GPM
			3"	517 GPM
			4"	617 GPM

THE ENGINEER SHALL NOT BE HELD LIABLE FOR 1.) FAULTY MATERIALS AND CONSTRUCTION. 2.) INADEQUATE OR IMPROPER SUPERVISION OF CONSTRUCTION. 3.) IMPROPER POOL MAINTENANCE AFTER CONSTRUCTION. 4.) HYDROSTATIC UPLIFT OF THE POOL.

THESE PLANS ARE FOR RESIDENTIAL POOLS ONLY AND THEY MAY NOT BE USED FOR ANY COMMERCIAL POOL OR COMMERCIAL EXEMPT POOL. THESE PLANS ARE FOR THE EXPLICIT USE FOR THE BUILDER NAMED. NO OTHER BUILDER MAY USE THESE PLANS WITHOUT THE WRITTEN CONSENT FROM THE BUILDER AND TNS DESIGN & CONSULTING, LLC.

TNS DESIGN & CONSULTING, LLC
 1532 US HWY 41 BYP S #204
 VENICE, FL 34293
 PHONE 941.586.0142
 TARA@TNSDESIGNANDCONSULTING.COM
 TARA N. SALL,
 FLORIDA PE LICENSE NO. 90481

TNS
 Design & Consulting
 BEYOND THE EXPECTED

MUNICIPALITY: TOWN OF LONGBOAT KEY

THESE PLANS MAY NOT BE REPRODUCED OR COPIED WITHOUT WRITTEN PERMISSION FROM TNS DESIGN & CONSULTING

DRAWING NAME: RESIDENTIAL SPA MASTER

SCALE: NTS

DRAWN BY: TNS

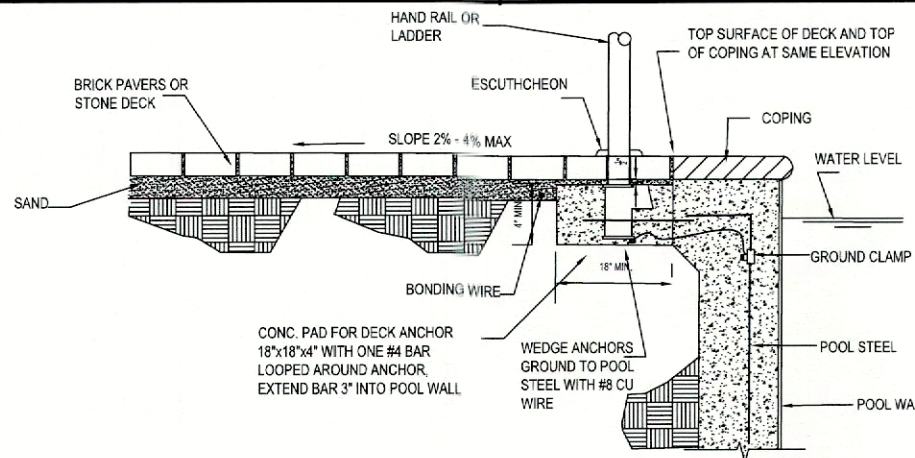
CHECKED BY: TNS

DATE: 3.1.2023

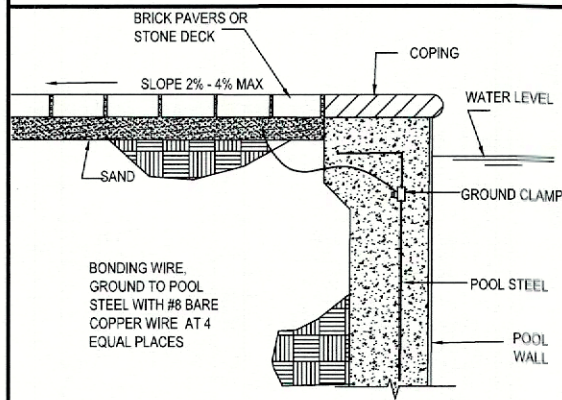
DRAWING NAME: MASTERRspa2021-01

SHEET 1 OF 1

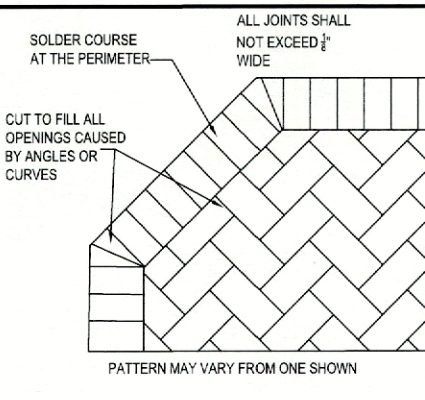
RECEIVED
 JUN 15 2023
 TOWN OF LONGBOAT KEY



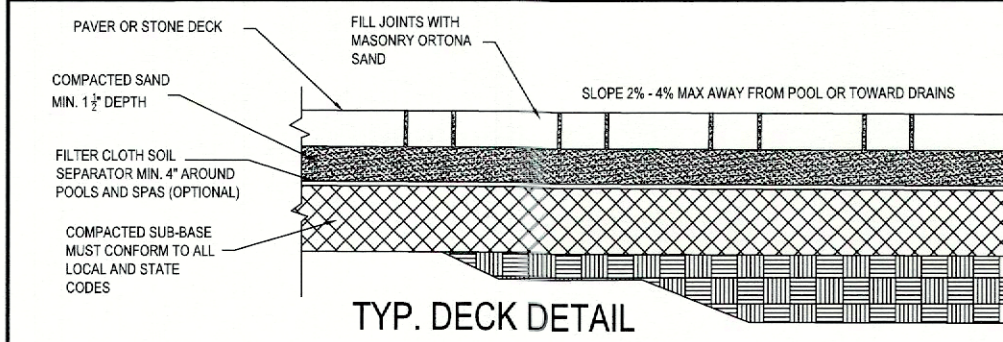
DECK AND DECK ANCHOR DETAIL
NTS



COPPER BONDING GRID



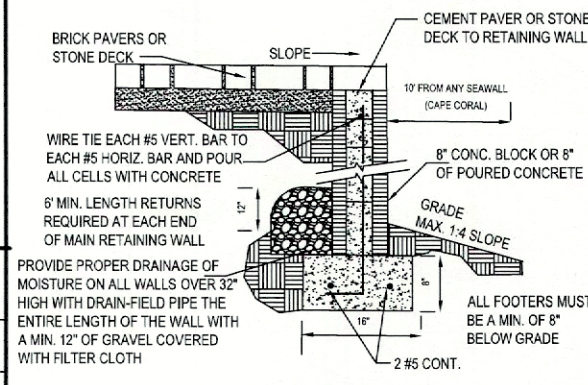
PATTERN DETAIL



TYP. DECK DETAIL

THIS SPACE INTENTIONALLY LEFT BLANK

1 TO 2 COURSES HIGH (UP TO 16\"/>



RETAINING WALL DETAIL
NTS

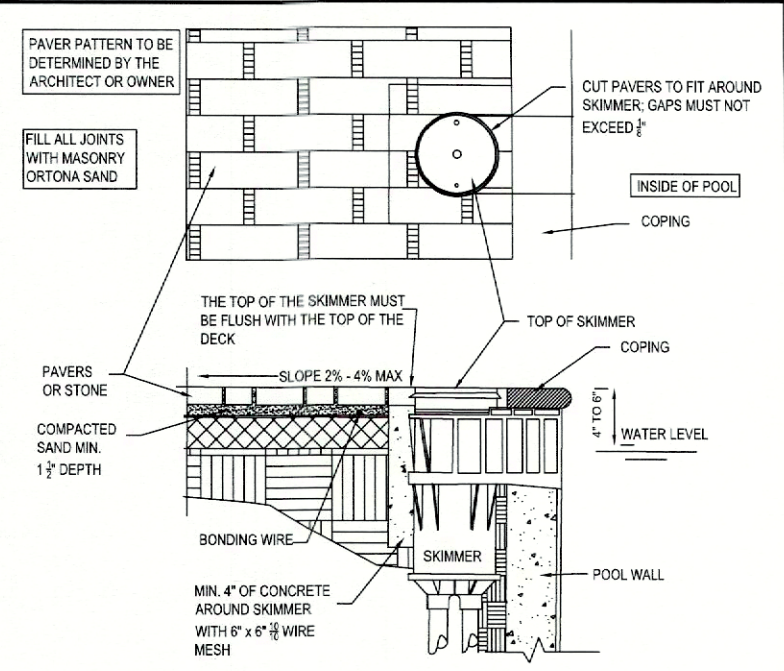
- NOTES:**
- EXCAVATE UNSUITABLE, UNSTABLE, ORGANIC, OR UNCONSOLIDATED SUB-GRADE MATERIAL AND COMPACT THE AREA WHICH HAS BEEN CLEARED. THEN BACKFILL AND LEVEL WITH DENSE GRADE AGGREGATE SUITABLE FOR SUBBASE MATERIAL.
 - THE CONTRACTOR SHALL FIELD VERIFY ALL OMISSIONS AND NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM THE PLANS OR CONFLICT WITH ONSITE CONDITIONS.
 - THE FINISHED DECK SHALL NOT HAVE VOIDS THAT EXCEED 1/2\"/>

THE ENGINEER SHALL NOT BE HELD LIABLE FOR 1.) FAULTY MATERIALS AND CONSTRUCTION. 2.) INADEQUATE OR IMPROPER SUPERVISION OF CONSTRUCTION. 3.) IMPROPER POOL MAINTENANCE AFTER CONSTRUCTION. 4. HYDROSTATIC UPLIFT OF THE POOL.

THESE PLANS ARE FOR RESIDENTIAL POOLS ONLY AND THEY MAY NOT BE USED FOR ANY COMMERCIAL POOL OR COMMERCIAL EXEMPT POOL. THESE PLANS ARE FOR THE EXPLICIT USE FOR THE BUILDER NAMED. NO OTHER BUILDER MAY USE THESE PLANS WITHOUT THE WRITTEN CONSENT FROM THE BUILDER AND TNS DESIGN & CONSULTING, LLC.

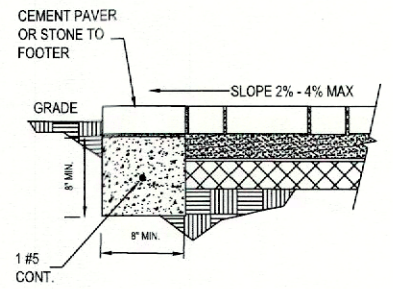


TNS DESIGN & CONSULTING, LLC
1532 US HWY 41 BYP S #204
VENICE, FL 34293
PHONE 941.586.0142
TARA@TNSDESIGNANDCONSULTING.COM
TARA N. SALL,
FLORIDA PE LICENSE NO. 90481

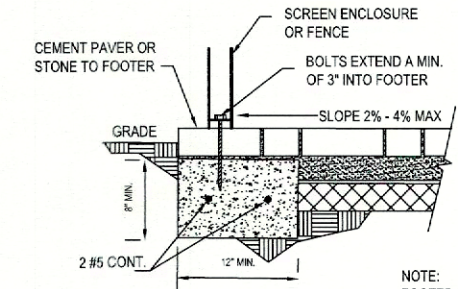


SKIMMER DETAIL
NTS

NOTE:
IF DRAINS ARE REQUIRED IN THE DECK, 4\"/>



DECK EDGE DETAIL
NTS



NOTE:
FOOTER DIMENSION FOR SCREEN ENCLOSURES MAY BE DIFFERENT THAN THE ONE SHOWN. SEE SCREEN ENCLOSURE DRAWINGS.

CONTRACTOR:
TOM SANGER POOL & SPA, FL LIC. CPC-1458020
6010 CORTEZ ROAD WEST
BRADENTON, FL 34210

MUNICIPALITY:
TOWN OF LONGBOAT KEY

THESE PLANS MAY NOT BE REPRODUCED OR COPIED WITHOUT WRITTEN PERMISSION FROM TNS DESIGN & CONSULTING



DRAWING NAME:
MASTER PAVER OR STONE DECK

SCALE: NTS
DRAWN BY: TNS
CHECKED BY: TNS
DATE: 3.1.2023

DRAWING NAME:
MASTERRpsd2022-01

SHEET 1 OF 1

RECEIVED
 JUN 06 2023
 TOWN OF LONGBOAT KEY
 Planning, Zoning & Building