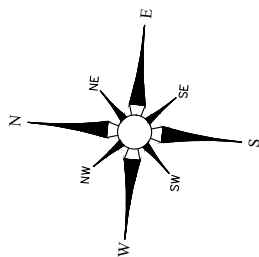






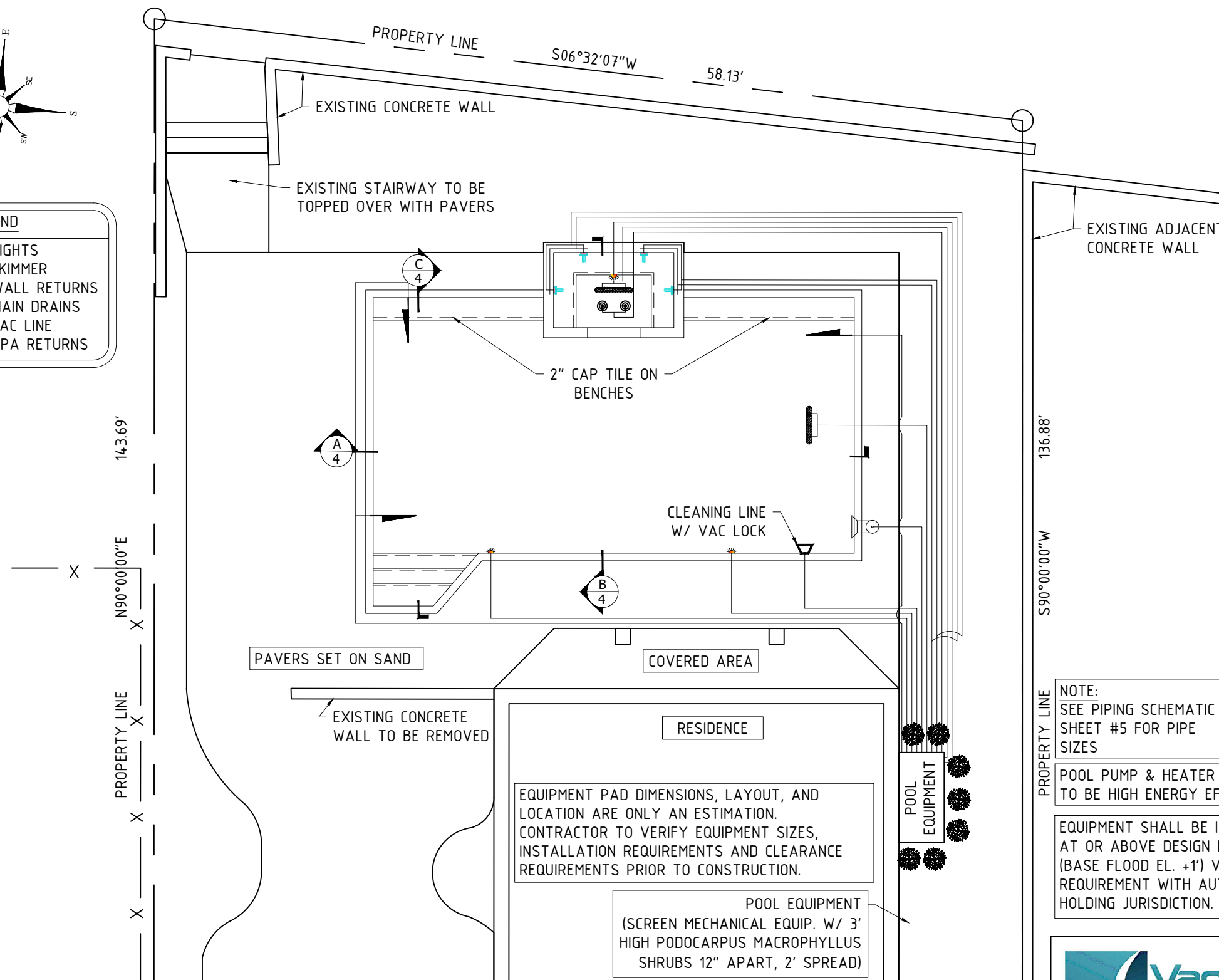


SCALE: 1/8" = 1'



LEGEND

-  — 3 - LIGHTS
-  — 1 - SKIMMER
-  — 3 - WALL RETURNS
-  — 2 - MAIN DRAINS
-  — 1 - VAC LINE
-  — 2 - SPA RETURNS



POOL SPECIFICATIONS

POOL SIZE: 32' X 17'
POOL DEPTH: 3'-0" X 5'-0"
PERIMETER: 110
SURFACE AREA: 534 SF
GALLONS: 15,978
POOL PUMP DATA BASE CURVE-A FLOW (LOW SPEED) = 44.38 GPM. POOL VOLUME TURNOVER TIME = 6 HRS.
POOL PUMP: JANDY FLOPRO FHMP 2.0HP-2SPD 130 GPM MAX FLOW RATE
HEAT PUMP: JANDY JE 3000T 137K BTU HEAT PUMP
FILTER: JANDY CS200 CARTRIDGE
POOL LIGHTS: (2) LED NICHELESS LIGHTS
AUTOMATION: RS4
SALT SYSTEM: AQUA PURE 1400
(3) ADJUSTABLE POOL RETURNS & (1) SKIMMER ENCLOSURE: EXISTING FENCE
CAP TILE ON STEPS & BENCH: YES
DECK: PAVERS SET ON SAND

SPA SPECIFICATIONS

SPA SIZE: 8'-0" X 5'-0"
SPA DEPTH: 3'-0"
PERIMETER: 26 LF
SURFACE AREA: 40 SF
GALLONS: 898
SPA PUMP: JANDY FLOPRO FHMP 2.0HP-2SPD 130 GPM MAX FLOW RATE
THERAPY JETS: (4) WALL JETS W/ 1.5 HP AIR BLOWER
FLOOR RETURNS: 2
SPILLWAY: 3'-6" O.C.
SPA LIGHT: (1) LED NICHELESS LIGHT

NOTE:
SEE PIPING SCHEMATIC
SHEET #5 FOR PIPE
SIZES

POOL PUMP & HEATER COMPLIES WITH FBC E.403.9. POOL PUMP TO BE HIGH ENERGY EFFICIENT AS PER FBC.

EQUIPMENT SHALL BE INSTALLED
AT OR ABOVE DESIGN FLOOD ELEV.
(BASE FLOOD EL. +1') VERIFY EL.
REQUIREMENT WITH AUTHORITY
HOLDING JURISDICTION.



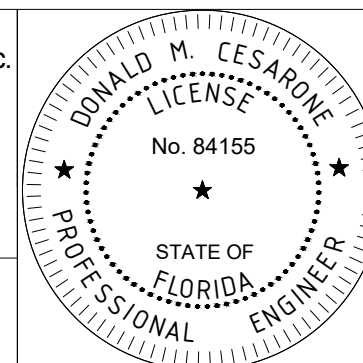
3144 SW 13th DRIVE
DEERFIELD BEACH, FL. 33442
(954) 755-4402

Donald Cesarone & Associates, LLC.

CA #32499
1121 S. MILITARY TRAIL #224
DEERFIELD BEACH, FL. 33442
(954) 895-8403

dmcesarone@gmail.com

Donald M. Cesarone, P.E.
FLORIDA REGISTRATION #84155
CIVIL ENGINEER



If signed digitally above, printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET 1

DRAWN DATE: 08/17/2020
ORDER: 1,431
JOB NO. : MORS-20-155
SALESMAN: CHUCK FIORE
DRAWN BY: J.F.

MORSE RESIDENCE

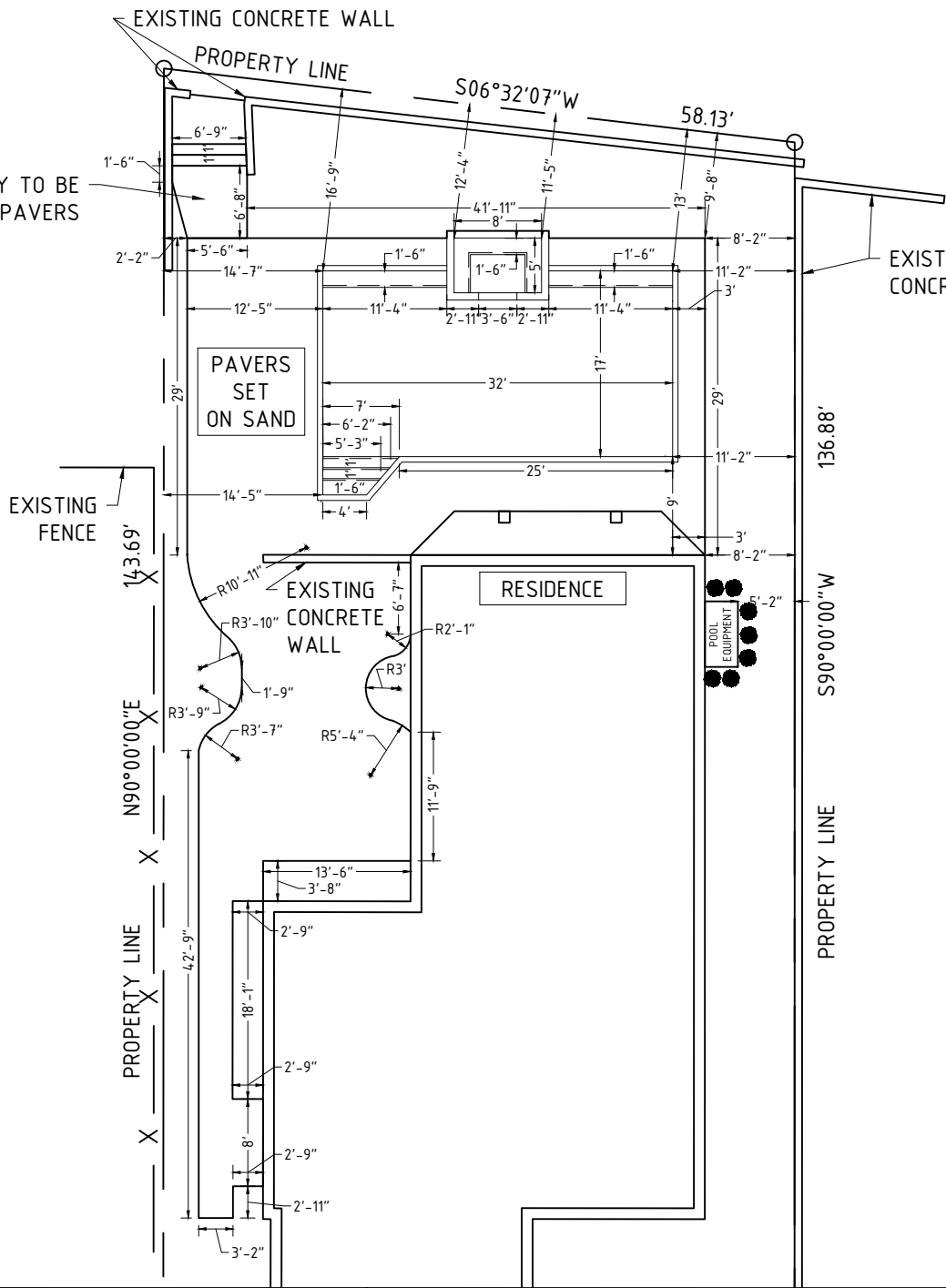
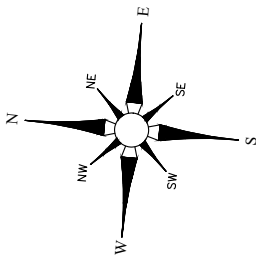
SUB: S/D 0F16-46-43 FRAC E 1/2
LOT 26
ADDRESS: 220 S. OCEAN BLVD
CITY: DELRAY BEACH, FL. 33483

BUILDING DEPARTMENT REVISIONS:

BUILDING DEPARTMENT REVISIONS:	
DATE	DESCRIPTION

DIMENSION PLAN

SCALE: 1/16" = 1'

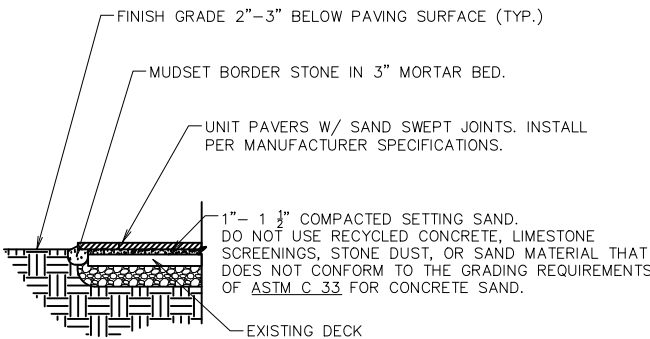


DECK NOTES:
DECK MATERIAL SHALL BE CERTIFIED SLIP RESISTANT BY THE MANUFACTURER AND BE SLOPED AWAY TO EFFECTIVELY DRAIN AWAY FROM THE POOL OR TOWARDS THE DECK DRAINS AT A MIN. 1/4" PER FOOT. DECK INSTALLER SHALL PROVIDE A CONTINUOUS, FULL-DEPTH EXPANSION JOINT BETWEEN THE POOL BEAM AND DECK MATERIAL. POOL BARRIER SHALL COMPLY WITH FBC, BUILDING SECTIONS 454.2.17.1.1 THROUGH 454.2.17.1.14 AND FBC, RESIDENTIAL SECTIONS R4501.17.1.1 THROUGH R4501.17.1.14

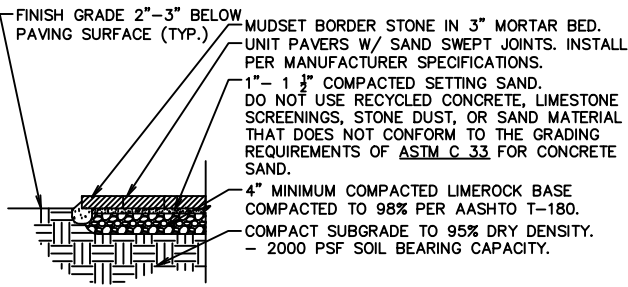
SOIL BEARING AND FOUNDATION NOTES:
IN ACCORDANCE WITH SECTION 1803.2 OF THE FLORIDA BUILDING CODE 2017 (6TH EDITION), THE BUILDING OFFICIAL SHALL BE PERMITTED TO WAVE THE REQUIREMENT FOR A GEOTECHNICAL INVESTIGATION WHERE SATISFACTORY DATA FROM ADJACENT AREAS IS AVAILABLE THAT DEMONSTRATES AN INVESTIGATION IS NOT NECESSARY FOR ANY OF THE CONDITIONS IN SECTIONS 1803.5.1 THROUGH 1803.5.6 AND SECTIONS 1803.5.10 AND 1803.5.11. IN LIEU OF A GEOTECHNICAL EVALUATION, AND IN ACCORDANCE WITH THE STATEMENT ABOVE, THE STRUCTURE'S FOUNDATION HAS BEEN DESIGNED ASSUMING A 2,000 PSF ALLOWABLE SOIL BEARING CAPACITY, SELECTED FROM FBC TABLE R401.4.1. THE PRESUMPTIVE LOAD BEARING VALUE HAS BEEN SELECTED BASED ON RATIONAL ANALYSIS AND KNOWLEDGE OF OTHER PROJECTS IN THE VICINITY. IF AT ANY TIME DURING EXCAVATION ANY DELETERIOUS MATERIAL (SUCH AS SILT, PEAT, MUCK, CLAY, ETC.) IS FOUND THAT CANNOT PROVIDE 2,000 PSF, THE ENGINEER OF RECORD SHALL BE CONTACTED TO PROVIDE DIRECTION. STRUCTURE SHALL BE BACKFILLED WITH CLEAN GRANULAR SOIL FREE OF ORGANICS AND COMPACTED IN 8" LIFTS TO 98% MODIFIED PROCTOR DENSITY PER ASTM-D 1557 THIS STATEMENT IS BASED UPON SECTIONS 1802.1, 1803.2, AND 1803.3 AND SECTION R401.2 OF THE FLORIDA BUILDING CODE 2017 (6TH EDITION).

FLOOD ZONE:
FBC 6TH EDITION RESIDENTIAL R322 FLOOD-RESISTANT CONSTRUCTION STRUCTURES CONSTRUCTED IN WHOLE OR PART IN FLOOD HAZARD AREAS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THIS SECTION ESPECIALLY R322.1.2 STRUCTURAL SYSTEMS, 322.1.3 FLOOD-RESISTANT CONSTRUCTION AND R322.2.5 POOLS IN FLOOD HAZARD AREAS. IF STRUCTURES CONSTRUCTED IN WHOLE OR PART IN FLOODWAYS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ASCE 24 AND THE CONSTRUCTION OF THIS POOL WILL NOT INCREASE THE DESIGN FLOOD ELEVATION AT ANY POINT WITHIN THE JURISDICTION.

SWIMMING BARRIER REQUIREMENTS:
FBC 6TH EDITION RESIDENTIAL R4501.17.1.1 THROUGH R4501.1.17.1.14 RESIDENTIAL SWIMMING BARRIER REQUIREMENTS BARRIER SHALL BE A MINIMUM OF 48 INCHES ABOVE GRADE, WITH MAXIMUM OF 2" CLEARANCE AT BOTTOM. NO GAPS GREATER THAN A 4 INCH SPHERE. ACCESS GATES SHALL BE SELF-CLOSING, WITH SELF-LATCHING DEVICE LOCATED MINIMUM OF 54 INCHES ABOVE GRADE ON THE POOL SIDE AND SWING OUTWARD AWAY FROM THE POOL. ALL DOORS AND WINDOWS PROVIDING DIRECT ACCESS FROM THE HOUSE SHALL BE EQUIPPED WITH AN EXIT ALARM COMPLYING WITH UL 2101. A BABY FENCE AROUND THE PERIMETER OF THE POOL MEETS THIS REQUIREMENT. A SWIMMING BARRIER AROUND THE POOL AREA THAT MEETS THE ABOVE CODE IS REQUIRED PRIOR TO FINAL POOL STRUCTURAL INSPECTION AND FILLING OF THE POOL, BY SEPARATE PERMIT.



TOP EXIST. DECK DETAIL
SCALE: N.T.S.



PAVER SET ON SAND
SCALE: N.T.S.

SHEET 2

DRAWN DATE: 08/17/2020
ORDER: 1,431
JOB NO. : MORS-20-155
SALESMAN: CHUCK FIORE
DRAWN BY: J.F.

MORSE RESIDENCE

SUB: S/D OF16-46-43 FRAC E 1/2 LOT 26
ADDRESS: 220 S. OCEAN BLVD
CITY: DELRAY BEACH, FL. 33483

BUILDING DEPARTMENT REVISIONS:

DATE	DESCRIPTION



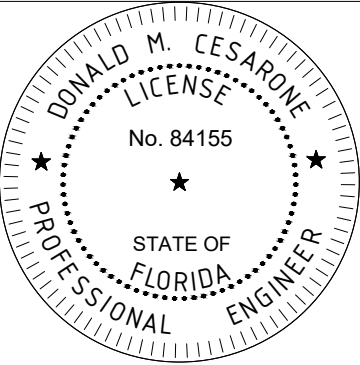
3144 SW 13th DRIVE
DEERFIELD BEACH, FL. 33442
(954) 755-4402

Donald Cesarone & Associates, LLC.

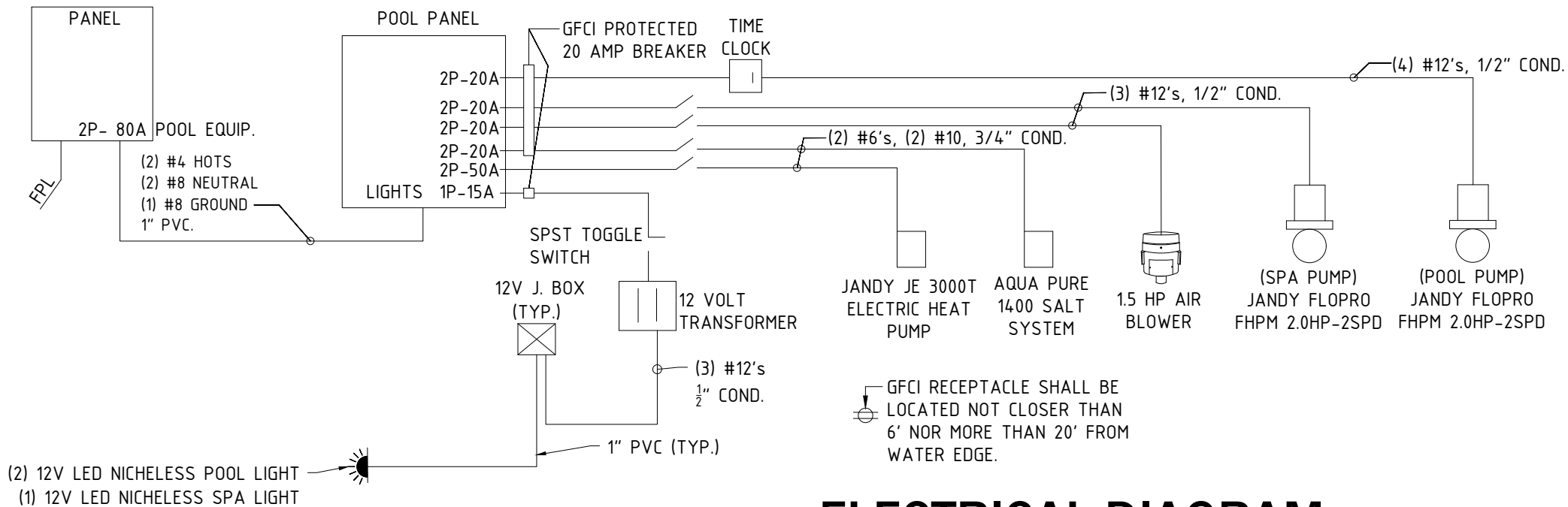
CA #32499
1121 S. MILITARY TRAIL #224
DEERFIELD BEACH, FL. 33442
(954) 895-8403

dmcesarone@gmail.com

Donald M. Cesarone, P.E.
FLORIDA REGISTRATION #84155
CIVIL ENGINEER



If signed digitally above, printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



ELECTRICAL DIAGRAM

SCALE: N.T.S

ELECTRICAL CODE, NOTES AND BONDING:

FBC 6TH EDITION RESIDENTIAL CHAPTER 42 SWIMMING POOLS (ELECTRICAL PROVISIONS) SHALL SPECIFICALLY GOVERN INCLUDING E4202 WIRING METHODS, E4203 EQUIPMENT LOCATIONS AND CLEARANCES, E4204 BONDING, E4205 GROUNDING AND E4206 EQUIPMENT INSTALLATION

FBC 6TH EDITION RESIDENTIAL E4203.6 OVERHEAD CONDUCTOR CLEARANCES AND

FBC 6TH EDITION E4203.6 UNDERGROUND WIRING SHALL SPECIFICALLY GOVERN

FBC 6TH EDITION RESIDENTIAL E4204 BONDING EQUIPOTENTIAL BONDING SHALL BE REQUIRED. THE PARTS (CONDUCTIVE POOLS SHELLS, PERIMETER SURFACES, METAL COMPONENTS (SUCH AS LIGHT NICHE OR HANDRAIL), UNDERWATER LIGHTING, METAL FITTINGS, ELECTRICAL EQUIPMENT AND ALL FIXED METAL PARTS) SHALL BE BONDED USING A SINGLE SOLID #8 AWG BONDING WIRE, PLACED AROUND THE PERIMETER 18" TO 24" FROM THE POOLS WATER EDGE, PLACED 4" TO 6" BELOW GRADE, FOLLOWING THE CONTOUR OF THE PERIMETER SURFACE, CONNECTED TO THE STRUCTURAL STEEL REINFORCING IN FOUR (4) UNIFORMLY SPACED LOCATIONS BY EXOTHERMIC WELDING OR BY LISTED PRESSURE CONNECTORS OR CLAMPS THAT ARE LABELED AS BEING SUITABLE FOR THIS PURPOSE AND ARE OF STAINLESS STEEL, BRASS, COPPER OR COPPER ALLOY. THIS SINGLE SOLID #8 AWS WIRE WILL EXTEND UNDER CONCRETE, PAVERS AND UNPAVED SURFACES.

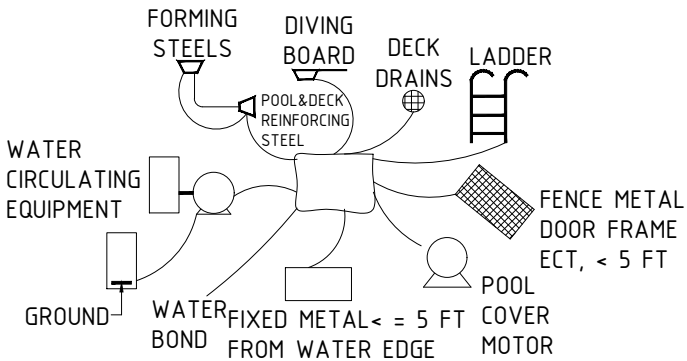
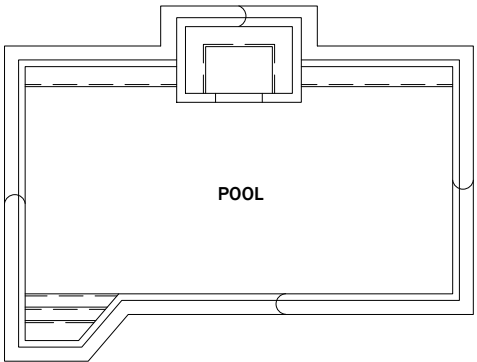
FBC 6TH EDITION RESIDENTIAL E4204.3 POOL WATER: WHERE NONE OF THE BONDED PARTS IS IN DIRECT CONNECTION WITH THE POOL WATER, THE POOL WATER SHALL BE IN DIRECT CONTACT WITH AN APPROVED CORROSION-RESISTANT CONDUCTIVE SURFACE THAT EXPOSES NOT LESS THAN 9 IN.2 (5800 MM2) OF SURFACE AREA TO THE POOL WATER AT ALL TIMES. IF 9 SI IS NOT ACCOMPLISHED BY THE BONDED ITEMS ABOVE, A POOLBOND PB-2008 (10.1 SI), OR EQUAL SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS IN A RETURN LINE

FBC 6TH EDITION RESIDENTIAL E4203.1.3 GFCI PROTECTION SHALL BE PROVIDED FOR POOL PUMP MOTORS.

FBC 6TH EDITION RESIDENTIAL R4501.16 ELECTRICAL. ELECTRICAL EQUIPMENT WIRING AND INSTALLATION, INCLUDING THE BONDING AND GROUNDING OF POOL COMPONENTS SHALL COMPLY WITH CHAPTER 27 OF THE FLORIDA BUILDING CODE, BUILDING. OUTLETS SUPPLYING POOL PUMP MOTORS CONNECTED TO SINGLE-PHASE 120-VOLT THROUGH 240-VOLT BRANCH CIRCUITS, WHETHER BY RECEPTACLE OR BY DIRECT CONNECTION, AND OUTLETS SUPPLYING OTHER ELECTRICAL EQUIPMENT AND UNDERWATER LUMINAIRES OPERATING AT VOLTAGES GREATER THAN THE LOW VOLTAGE CONTACT LIMIT, CONNECTED TO SINGLE-PHASE, 120 VOLT THROUGH 240 VOLT BRANCH CIRCUITS, RATED 15 OR 20 AMPERES, WHETHER BY RECEPTACLE OR BY DIRECT CONNECTION, SHALL BE PROVIDED WITH GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL.

2014 NATIONAL ELECTRICAL CODE (NEC), NFPA 70 SHALL GOVERN OUTSIDE OF THE PROVISIONS ABOVE.

NEC 430.32 CONTINUOUS-DUTY MOTORS SUCH AS POOL PUMP MOTORS SHALL HAVE OVERLOAD PROTECTION.



COMMON BONDING DETAIL

SCALE: N.T.S

SHEET 3

DRAWN DATE: 08/17/2020
ORDER: 1,431
JOB NO. : MORS-20-155
SALESMAN: CHUCK FIORE
DRAWN BY: J.F.

MORSE RESIDENCE

SUB: S/D OF16-46-43 FRAC E 1/2 LOT 26
ADDRESS: 220 S. OCEAN BLVD
CITY: DELRAY BEACH, FL. 33483

BUILDING DEPARTMENT REVISIONS:

DATE	DESCRIPTION



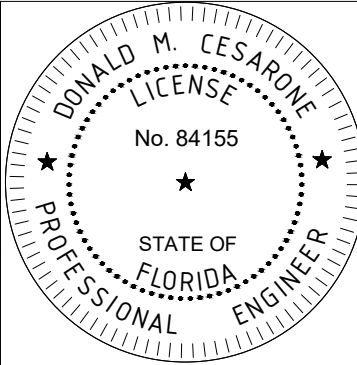
3144 SW 13th DRIVE
DEERFIELD BEACH, FL. 33442
(954) 755-4402

Donald Cesarone & Associates, LLC.

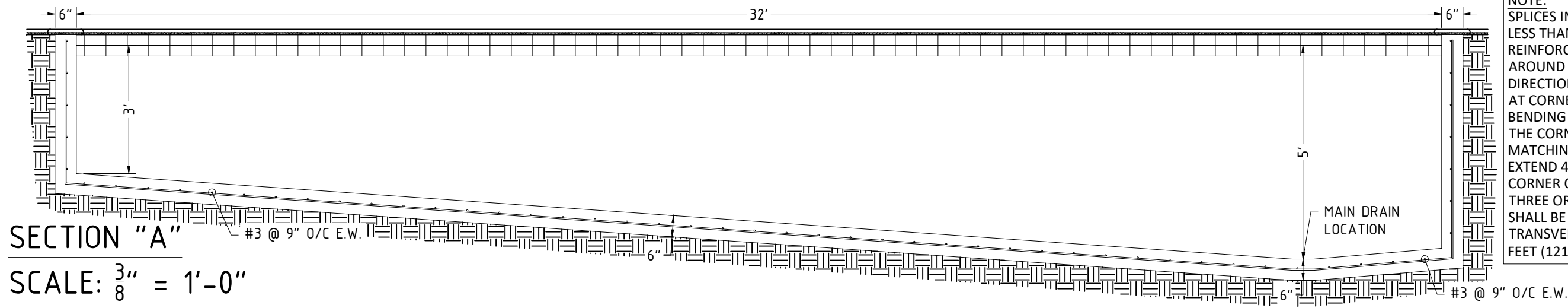
CA #32499
1121 S. MILITARY TRAIL #224
DEERFIELD BEACH, FL. 33442
(954) 895-8403

dmcesarone@gmail.com

Donald M. Cesarone, P.E.
FLORIDA REGISTRATION #84155
CIVIL ENGINEER

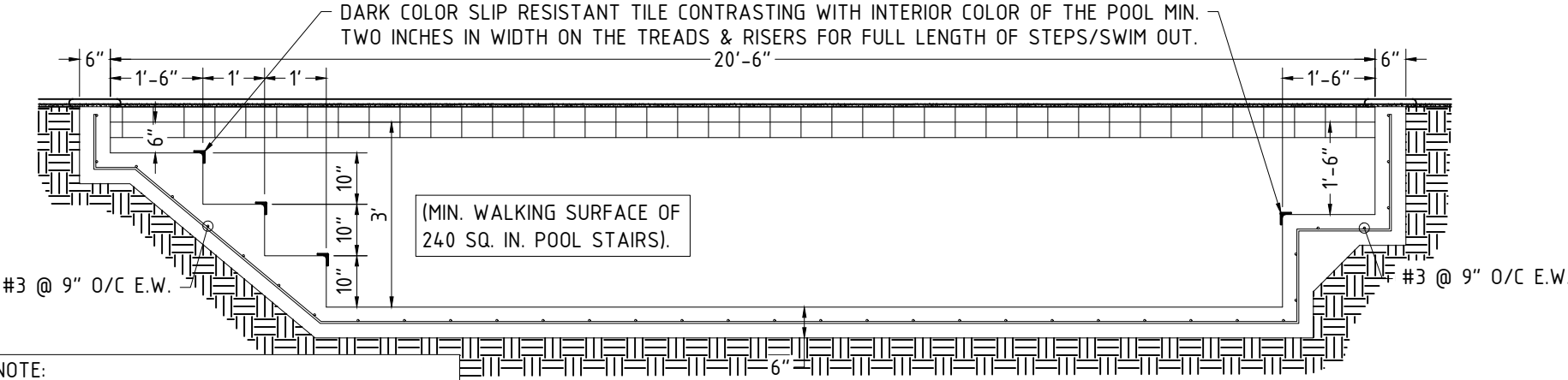


If signed digitally above, printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



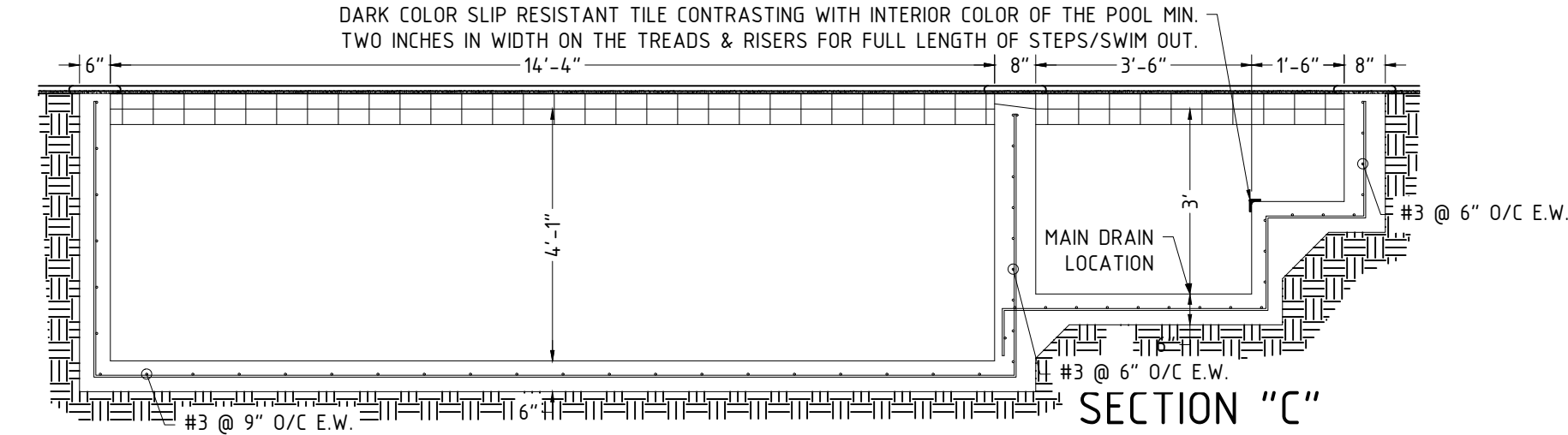
SECTION "A"
 SCALE: $\frac{3}{8}" = 1'-0"$

NOTE:
 SPLICES IN REINFORCING BARS SHALL BE NOT LESS THAN 48 BAR DIAMETERS AND REINFORCEMENT SHALL BE CONTINUOUS AROUND ALL CORNERS AND CHANGES IN DIRECTION. CONTINUITY SHALL BE PROVIDED AT CORNERS OR CHANGES IN DIRECTION BY BENDING THE LONGITUDINAL STEEL AROUND THE CORNER 48 BAR DIAMETERS OR BY ADDING MATCHING REINFORCING STEEL, WHICH SHALL EXTEND 48 BAR DIAMETERS FROM EACH CORNER OR CHANGE IN DIRECTION. WHEN THREE OR MORE BARS ARE REQUIRED, THE BAR SHALL BE HELD IN PLACE AND ALIGNED BY TRANSVERSE BARS SPACED NOT MORE THAN 4 FEET (1219 MM) APART.

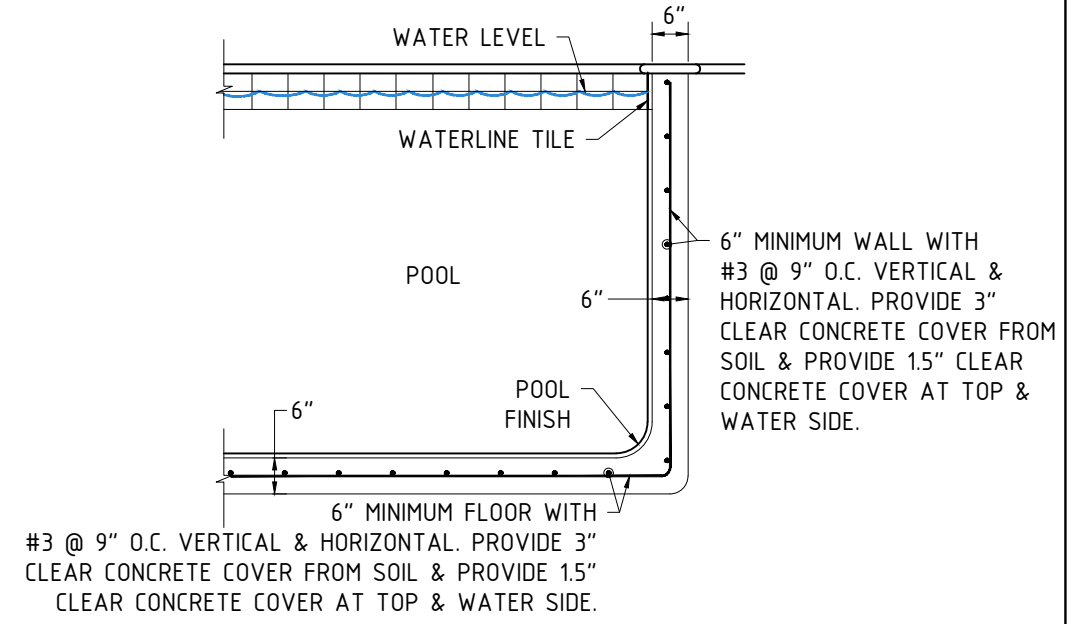


NOTE:
 ANSI/APSP/ICC-5 2011 6.2.2 THRU 6.2.2.1 ALL STEP RISERS SHALL NOT EXCEED 12" MAX. (305 mm) VERTICAL DISTANCE FROM THE POOL DECK COPING. EXCEPT THE TOP RISER, WHICH MAY VARY BUT SHALL NOT EXCEED 12" (305 mm).

SECTION "B"
 SCALE: $\frac{3}{8}" = 1'-0"$



SECTION "C"
 SCALE: $\frac{3}{8}" = 1'-0"$



TYPICAL WALL SECTION
 SCALE: $\frac{3}{8}" = 1'-0"$

SHEET 4

DRAWN DATE: 08/17/2020
ORDER: 1,431
JOB NO.: MORS-20-155
SALESMAN: CHUCK FIORE
DRAWN BY: J.F.

MORSE RESIDENCE
 SUB: S/D OF16-46-43 FRAC E 1/2 LOT 26
 ADDRESS: 220 S. OCEAN BLVD
 CITY: DELRAY BEACH, FL. 33483

BUILDING DEPARTMENT REVISIONS:	
DATE	DESCRIPTION

3144 SW 13th DRIVE
 DEERFIELD BEACH, FL. 33442
 (954) 755-4402

Donald Cesarone & Associates, LLC.

CA #32499
 1121 S. MILITARY TRAIL #224
 DEERFIELD BEACH, FL. 33442
 (954) 895-8403
dmcesarone@gmail.com

Donald M. Cesarone, P.E.
 FLORIDA REGISTRATION #84155
 CIVIL ENGINEER

If signed digitally above, printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

POOL EQUIPMENT ELEVATION SHALL BE AT A MINIMUM OF THE DESIGN FLOOD ELEVATION (FBC 6TH EDITION RESIDENTIAL R322.1.4) PLUS 1 FOOT OR ACCORDING TO THE AUTHORITY HAVING JURISDICTION

FBC 6TH EDITION BUILDING 1620 HVHZ WIND LOADS AND 1621 HVHZ OVERTURNING MOMENT AND UPLIFT POOL EQUIPMENT SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED TO MEET THE REQUIREMENTS OF ASCE 7. EQUIPMENT TIE DOWNS SHALL BE AS FOLLOWS, HEATERS 4 TOTAL (1 PER SIDE OR 2 PER OPPOSITE SIDES); OTHERS 2 TOTAL: 3-1/2" MINIMUM THICK, 3000 PSI CONCRETE SLAB, 3" LARGER THAN ON EACH SIDE THAN THE EQUIPMENT; 1/4" DIAMETER TAPCON® CONCRETE SCREWS (1600# TENSION, 1290# SHEAR, 1-1/2" EMBEDMENT IN 2000 PSI CONCRETE) OR EQUAL WITH STAINLESS STEEL FENDER WASHER INTO FACTORY PROVIDED HOLD DOWNS OR 1" WIDE, 14 GAUGE GALVANIZED STRAPS WITH 2 STAINLESS STEEL, #10 X 3/4" PAN HEAD PHILLIPS SS SCREWS EACH STRAP INTO METAL FRAME OF EQUIPMENT

FBC 6TH EDITION BUILDING 1907.1.1 GENERAL THE THICKNESS OF CONCRETE EQUIPMENT SLAB SUPPORTED DIRECTLY ON THE GROUND SHALL NOT BE LESS THAN 3-1/2 INCHES THICK AND SHALL NOT REQUIRE A VAPOR BARRIER.

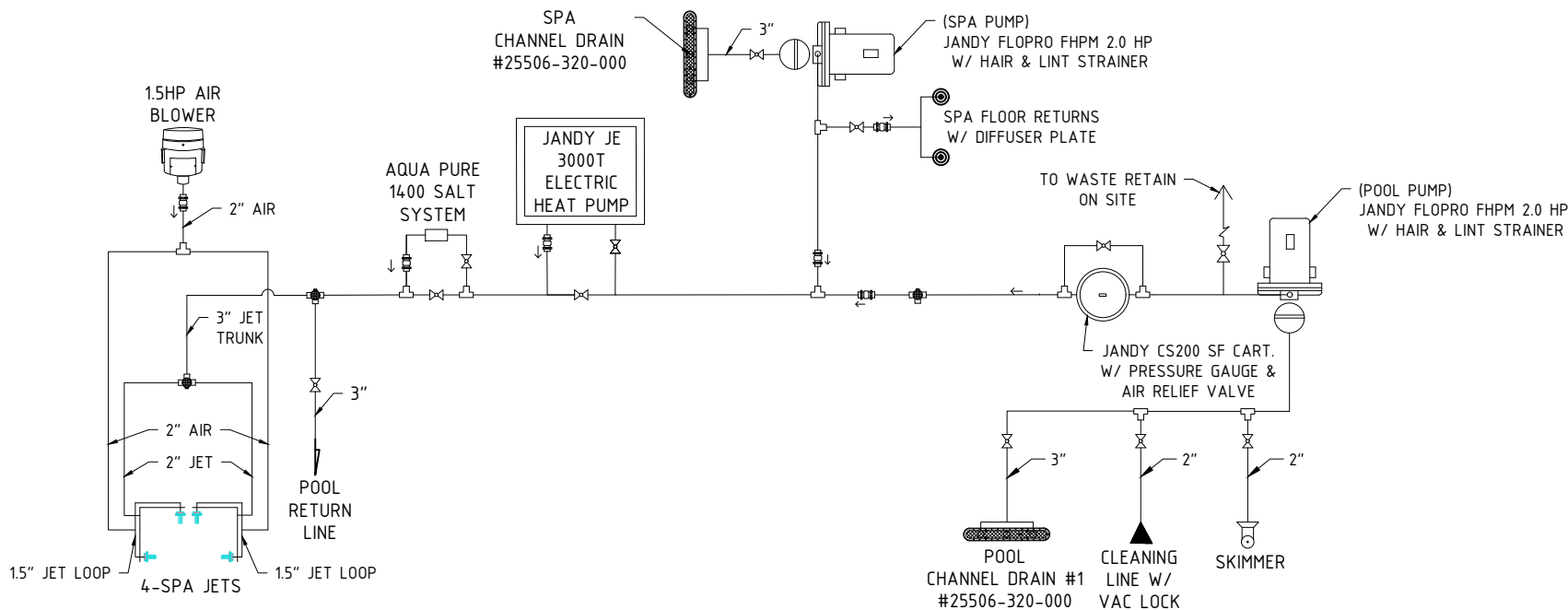
FBC 6TH EDITION RESIDENTIAL M1305.14.1 GROUND CLEARANCE EQUIPMENT SUPPORTED FROM THE GROUND SHALL BE LEVEL AND FIRMLY SUPPORTED ON A CONCRETE SLAB EXTENDING NOT LESS THAN 3" ABOVE ADJOINING GROUND

FBC 6TH EDITION RESIDENTIAL M2006 POOL HEATERS SHALL SPECIFICALLY APPLY, IF A HEATER IS PROVIDED

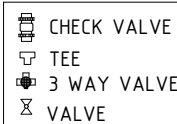
EQUIPMENT LOCATION AND SCREENING: THE EQUIPMENT AND PIPING PHYSICAL LOCATION MAY DIFFER IN THE FIELD DUE TO UNFORESEEN CONDITIONS OR OTHER FACTORS. CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND INSTALL ITEMS IN A LOCATION THAT MEETS LOCAL ZONING CODE AND TO PROVIDE CODE COMPLIANT LANDSCAPE OR FENCE SCREENING

2017 FLORIDA BUILDING CODE (FBC), 6TH EDITION AND ALL OTHER CODES, RULES, REGULATIONS, AND RESTRICTIONS HAVING JURISDICTION ON THE PROJECT SHALL GOVERN INCLUDING 2017 FBC 6TH EDITION BUILDING, RESIDENTIAL, FUEL GAS AND ENERGY CONSERVATION. FBC 6TH EDITION ENERGY CONSERVATION R403.10, ANSI/APSP-14 AND C404, SERVICE WATER HEATING HAS BEEN MET FOR THIS PROJECT. 2017 FBC 6TH EDITION RESIDENTIAL CHAPTER 45: SPA AND BUILDING CHAPTER 4, SECTION 454 POOL AND BATHING PLACES (PUBLIC AND PRIVATE) SHALL SPECIFICALLY GOVERN. 2017 FBC 6TH EDITION R4501.6: ENGINEERING DESIGN HAS BEEN MET FOR THIS PROJECT, INCLUDING CODES AND REFERENCES SPECIFICALLY WITHIN INCLUDING R4501.6.1 CONFORMANCE STANDARD: DESIGN, CONSTRUCTION AND WORKMANSHIP SHALL BE IN CONFORMITY WITH THE REQUIREMENTS OF ANSI/APSP/ICC 3; ANSI/APSP/ICC 4; ANSI/APSP/ICC 5; ANSI/APSP/ICC 6; ANSI/APSP/ICC 7

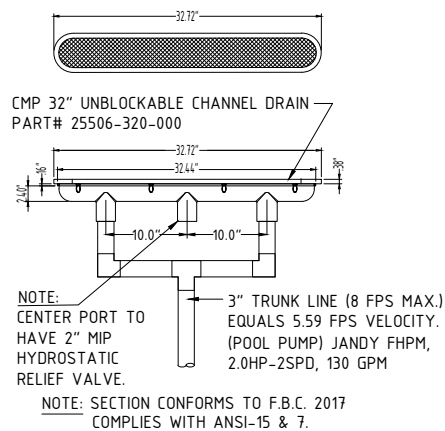
FBC 6TH EDITION BUILDING CHAPTER 4, SECTION 454.1.6.5.10.4 IF THE AREA IS SUBJECT TO HIGH GROUND WATER, THE POOL SHALL BE DESIGNED TO WITHSTAND HYDRAULIC UPLIFT OR SHALL BE PROVIDED WITH HYDROSTATIC RELIEF DEVICES. FBC 6TH EDITION R4501.21.4 HYDROSTATIC RELIEF DEVICE. IN AREAS OF ANTICIPATED WATER TABLE AN APPROVED HYDROSTATIC RELIEF DEVICE SHALL BE INSTALLED. 2017 FBC 6TH EDITION R4501.6.3 WATER VELOCITY. POOL PIPING IS DESIGNED SO THE WATER VELOCITY WILL NOT EXCEED 10 FEET PER SECOND FOR PRESSURE PIPING AND 8 FEET PER SECOND FOR SUCTION PIPING. MAIN SUCTION OUTLET VELOCITY COMPLIES WITH ANSI/APSP/ICC 7. EXCEPTION: JET INLET FITTINGS SHALL NOT BE DEEMED SUBJECT TO THIS REQUIREMENT. CONCRETE SHALL CONFORM TO THE LATEST EDITION OF ACI 301 AND ACI 318, WITH MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI. POOL CONCRETE CAN BE APPLIED PNEUMATICALLY AND SHALL CONFORM TO ACI 506.2. REINFORCING STEEL SHALL CONFORM TO THE LATEST EDITION OF ASTM A615, GRADE 60 AND HAVE A MINIMUM LAP DISTANCE OF 24" FOR TENSION AND COMPRESSION DEVELOPMENT AND TO MEET THE REQUIREMENTS OF ACI 318. FBC 6TH EDITION BUILDING 1903.3 GLASS FIBER REINFORCED CONCRETE GFRC AND THE MATERIALS USED IN SUCH CONCRETE SHALL BE IN ACCORDANCE WITH THE PCI MNL 128 STANDARD, IF SHOWN ON THE DRAWINGS POOL PIPING SHALL BE N.S.F APPROVED AND SCHEDULE 40 THE ENGINEER IS NOT RESPONSIBLE FOR ANY ENCRATHMENT INTO EASEMENTS OR SETBACKS, EVEN IF APPROVED BY THE AHJ. THESE DRAWINGS ARE THE PROPERTY OF DONALD M. CESARONE, P.E. USE OF THESE DRAWINGS WITHOUT PERMISSION FROM THE ENGINEER IS PROHIBITED AND IN VIOLATION OF 2017 FBC 6TH EDITION USE OF THESE DRAWINGS BY THE CONTRACTOR INDENMIFIES AND HOLDS HARMLESS THE ENGINEER FOR ALL COSTS AND DAMAGES INCLUDING LEGAL FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION AND CONSTRUCTION PRACTICES BEYOND WHICH IS CALLED FOR LOCAL, STATE AND FEDERAL CODES AND FROM DEVIATIONS OF THESE PLANS EXCEPT AS EXPRESSLY PROVIDED HEREIN. EXISTING CONDITIONS, DIMENSIONS AND QUANTITIES SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. TYPICAL FIELD CONDITIONS ARE ASSUMED IN THE DESIGN. SHOULD ANYTHING DIFFER FROM THAT SPECIFIED HEREIN OR STANDARD FIELD CONDITIONS, ADDITIONAL ENGINEERING MAY BE REQUIRED AND THE ENGINEER SHALL BE CONTACTED TO PROVIDE DIRECTION. CARE SHALL BE TAKEN BY CONTRACTOR IN ALL APPLICATIONS OF THESE DRAWINGS. THE EQUIPMENT AND PIPING PHYSICAL LOCATION MAY DIFFER IN THE FIELD DUE TO UNFORESEEN CONDITIONS OR OTHER FACTORS. THESE DRAWINGS SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE. CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND INSTALL ITEMS IN A LOCATION THAT MEETS LOCAL CODES. NDPES: A SILT FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION SURROUNDING THE WORK AREA MEETING THE REQUIREMENTS OF THE AHJ. CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AND PROTECT ALL MATERIAL BROUGHT ON SITE, SHALL RESTORE ALL AREAS IMPACTED BY THE CONSTRUCTION WORK TO THE PREEXISTING CONDITION OR BETTER AND SHALL NOT IMPACT DRAINAGE/LAKE OR ANY OTHER EASEMENTS WITHOUT EASEMENT OWNER CONSENT.



SCALE: N.T.S



POOL PIPING SHALL BE DESIGNED SO THE WATER VELOCITY WILL NOT EXCEED 10 FPS (3048 MM/S) FOR PRESSURE PIPING AND 8FPS (2438 MM/S) FOR SUCTION PIPING, EXCEPT THAT THE WATER VELOCITY SHALL NOT EXCEED 8 FPS (2438 MM/S) IN COPPER TUBING. MAIN SUCTION OUTLET VELOCITY MUST COMPLY WITH APSP/ANSI-7.



(SPA PUMP) CMP 32" UNBLOCKABLE CHANNEL DRAIN DETAIL

SHEET 5
DRAWN DATE: 08/17/2020
ORDER: 1,431
JOB NO. : MORS-20-155
SALESMAN: CHUCK FIORE
DRAWN BY: J.F.

SUB: S/D 0F16-46-43 FRAC E 1/2
LOT 26
ADDRESS: 220 S. OCEAN BLVD
CITY: DELRAY BEACH, FL. 33483

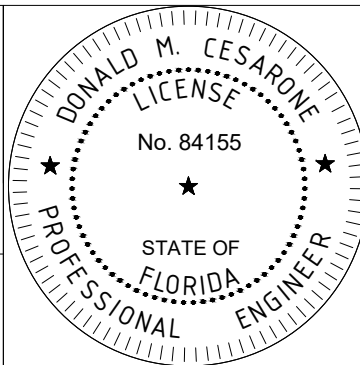
DATE	DESCRIPTION



3144 SW 13th DRIVE
DEERFIELD BEACH, FL. 33442
(954) 755-4402

CA #32499
1121 S. MILITARY TRAIL #224
DEERFIELD BEACH, FL. 33442
(954) 895-8403

Donald M. Cesarone, P.E.
FLORIDA REGISTRATION #84155
CIVIL ENGINEER



If signed digitally above, printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.