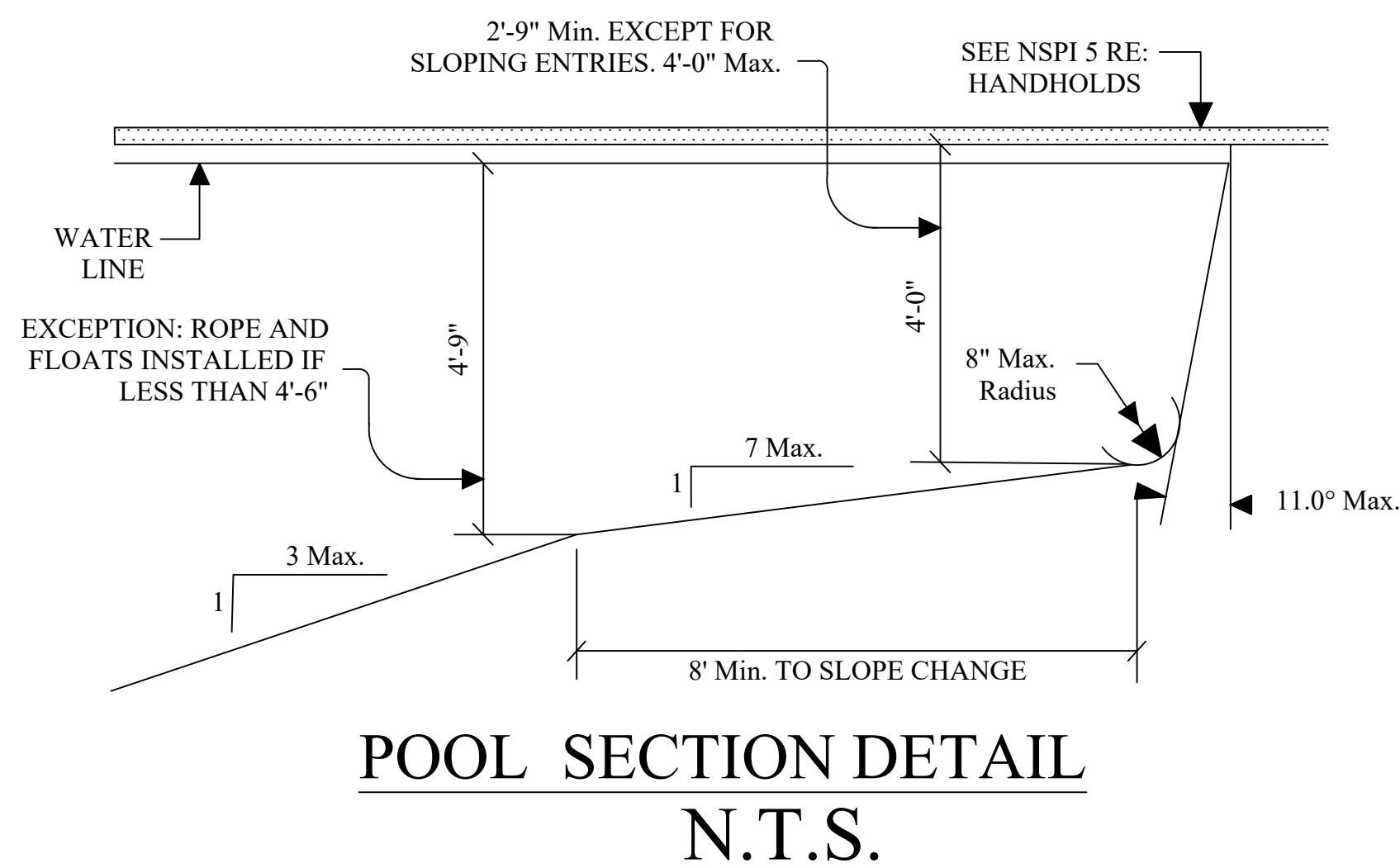




The diagram illustrates the structural components of a pool deck and its connection to a footing. On the left, a circular cross-section shows a footing with two #3 bars, labeled "8" X 8" FOOTING W/(2) #3 BARS". Above it, a layer of concrete is labeled "PAVERS OR 4" DECK 2,500 psi (Min.) CONC. W/FIBER MESH". A dimension of 8" is shown for the footing height. To the right, a horizontal section shows the "DECK FINISH PER CONTRACT (NON-SLIP)". Below this, a vertical section shows the "BEAM & 7\" BAR OPTIONAL". The beam has a height of 8" and a width of 6". The deck finish is 4" thick. The pool finish is labeled "POOL FINISH PER CONTRACT" and the aggregate is labeled "FINISH 3/4\" MARCITE OR EXPOSED AGGREGATE". A note indicates "PROVIDE EXPANSION JOINT MATERIAL FOR POURED DECK CONDITION" and "COPING- CONFIRM WITH OWNER".

**FOOTING**

**PAVERS OR 4" DECK 2,500 psi (Min.) CONC. W/FIBER MESH**

**DECK FINISH PER CONTRACT (NON-SLIP)**

**BEAM & 7" BAR OPTIONAL**

**POOL FINISH PER CONTRACT**

**FINISH 3/4" MARCITE OR EXPOSED AGGREGATE**

**PROVIDE EXPANSION JOINT MATERIAL FOR POURED DECK CONDITION**

**COPING- CONFIRM WITH OWNER**

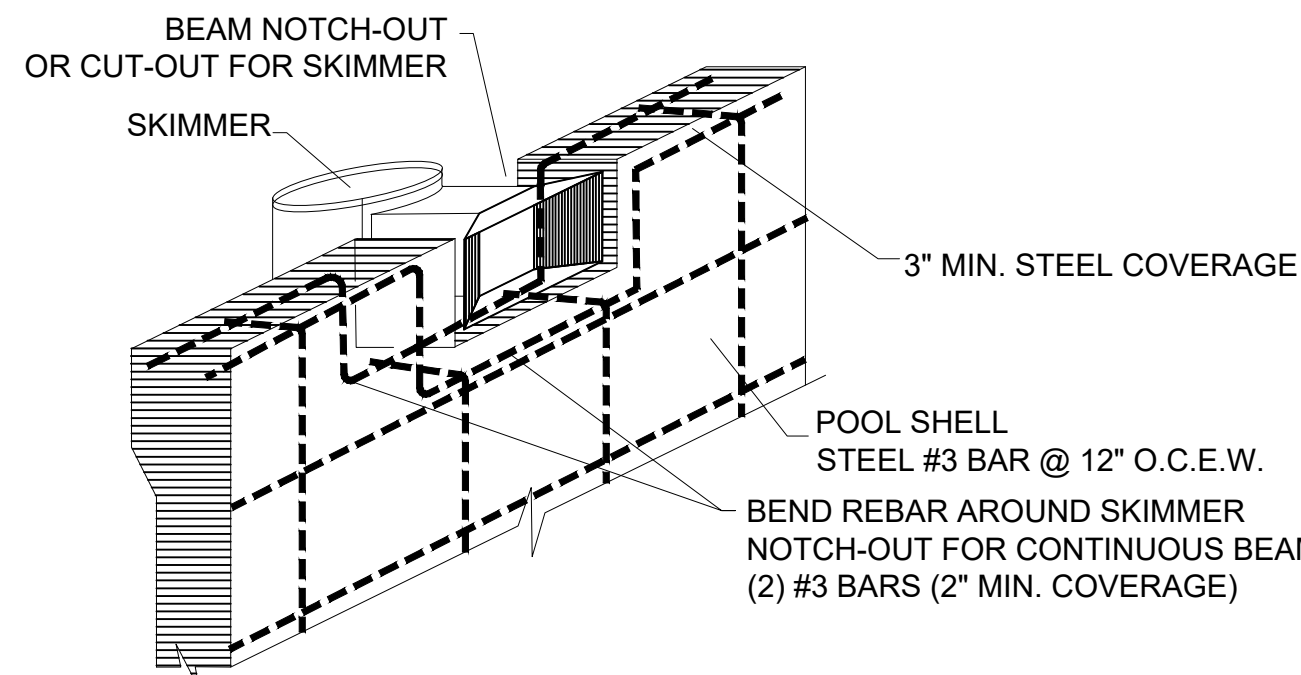
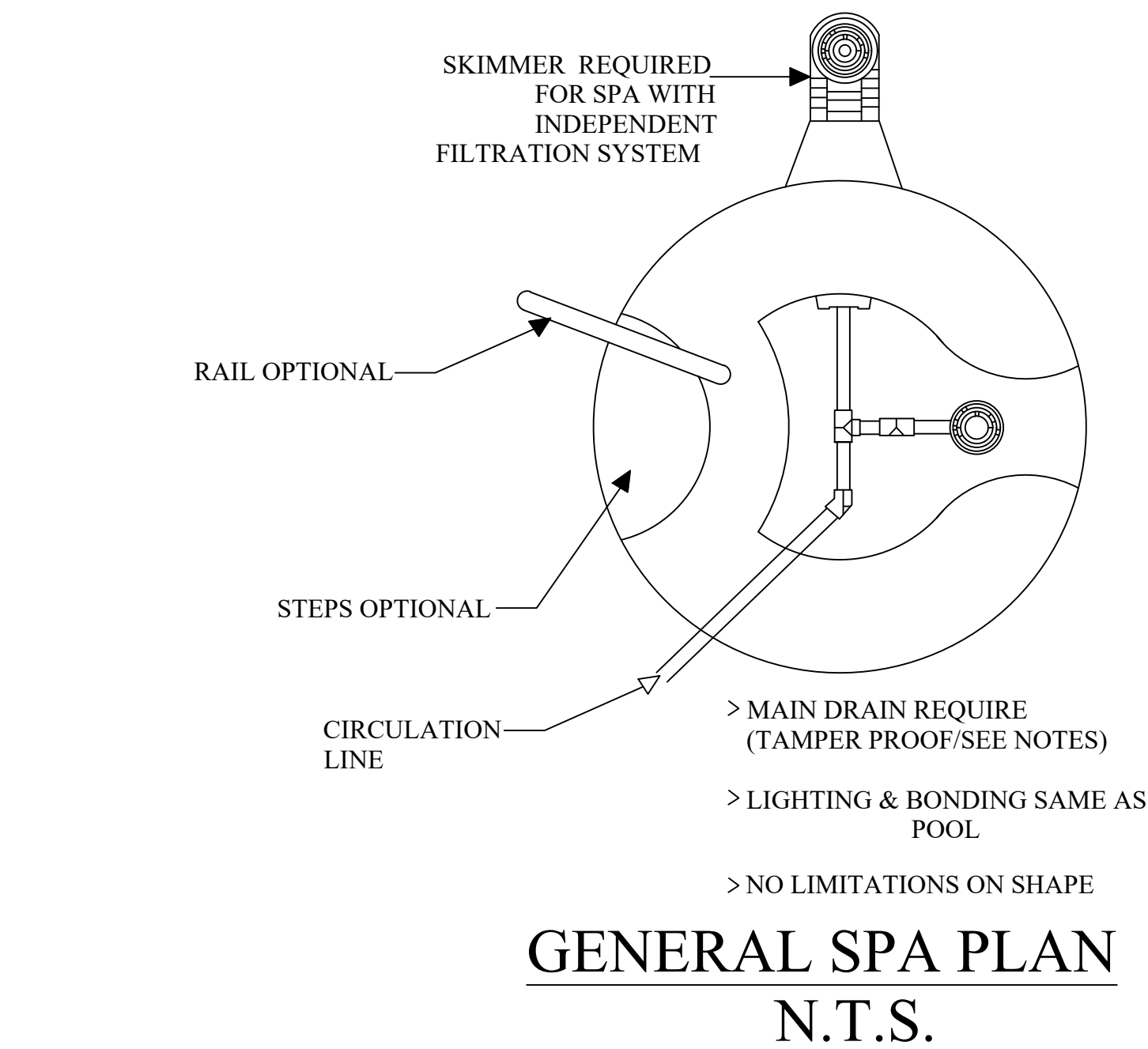
**8"**

**8" X 8" FOOTING W/(2) #3 BARS**

**OR (1) #5 BAR**

**6" Min. WALL & FLOOR THICKNESS. 3,000 psi (MIN.) CONC. #3 BARS ON 12" CENTERS EITHER WAY. THE ALT. INTERSECTIONS 15" MIN. OVERLAP. 2" MIN. COVERAGE ON STEEL W/CONC. TO ASTM A15, A16, ASTM A30-5**

**Structural subject to suitable soil conditions.**



| PIPE SIZING CHART (MAXIMUM) |         |          |
|-----------------------------|---------|----------|
| PIPE                        | SUCTION | PRESSURE |
| 1 1/2"                      | 35 GPM  | 65 GPM   |
| 2"                          | 60      | 105      |
| 2 1/2"                      | 90      | 147      |
| 3"                          | 135     | 230      |
| 4"                          | 235     | 396      |

MAIN SUCTION PIPE SIZE 2"  
 IMMERSION SUCTION PIPE SIZE 2"  
 CLEANER/VAC PIPE SIZE 1 1/2"  
 TURN SUCTION PIPE SIZE 1 1/2"

**COMPLIES WITH FLORIDA BUILDING CODE, 7TH EDITION (2020)**

G.B. COLLINS ENGINEERING P.A.  
 CERTIFICATE OF AUTHORIZATION 27934  
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ROBERTS RESIDENCE  
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LAKE CITY, FLORIDA 32024

# Standard Residential Pool and/or Spa Design



This item has been electronically signed and sealed by Sam Liberatore PE using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Samuel A  
Liberatore  
2023.10.11

15:53:48 -0400

LUCEL A. LIBERATO  
OCTOBER 10