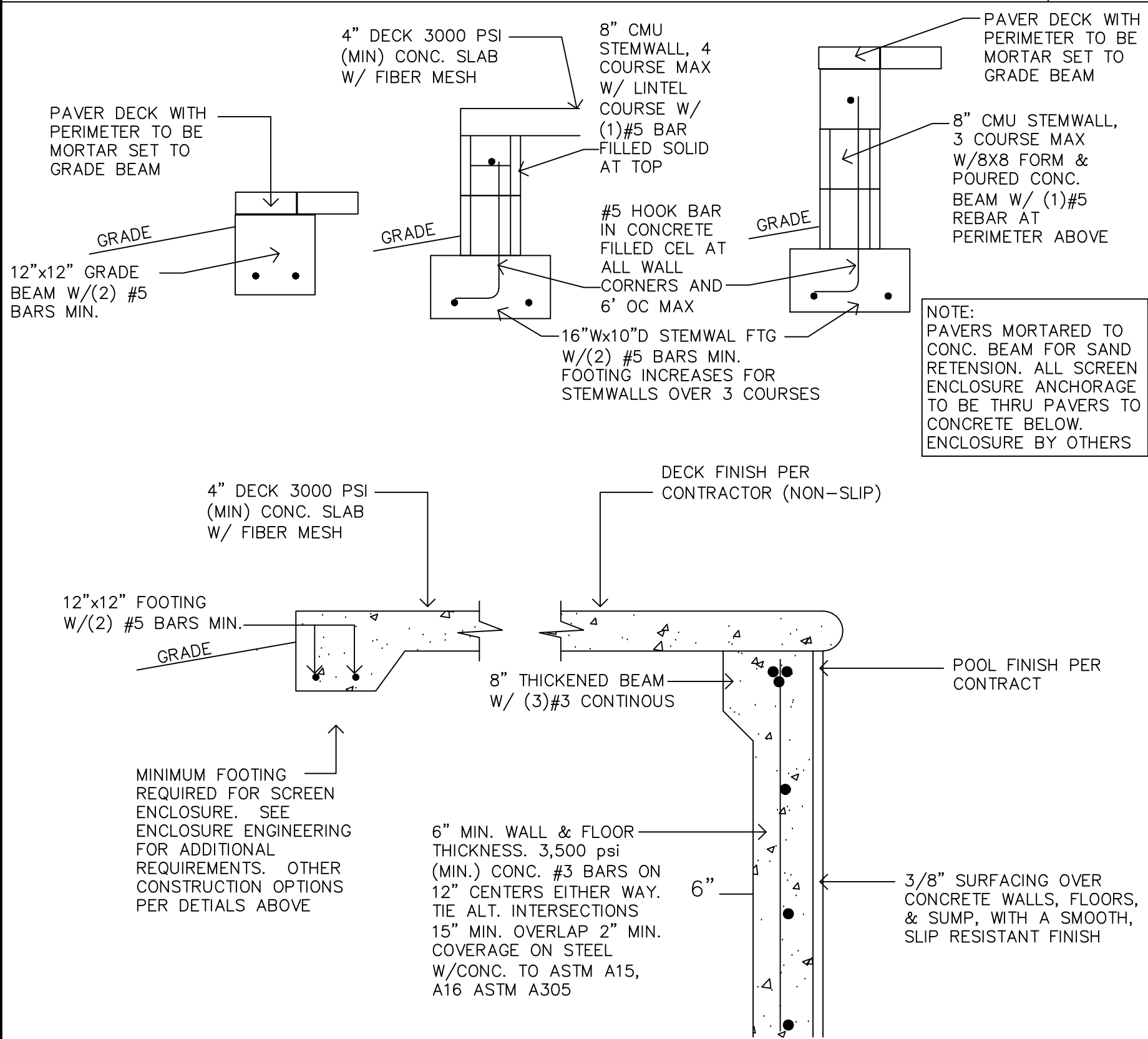
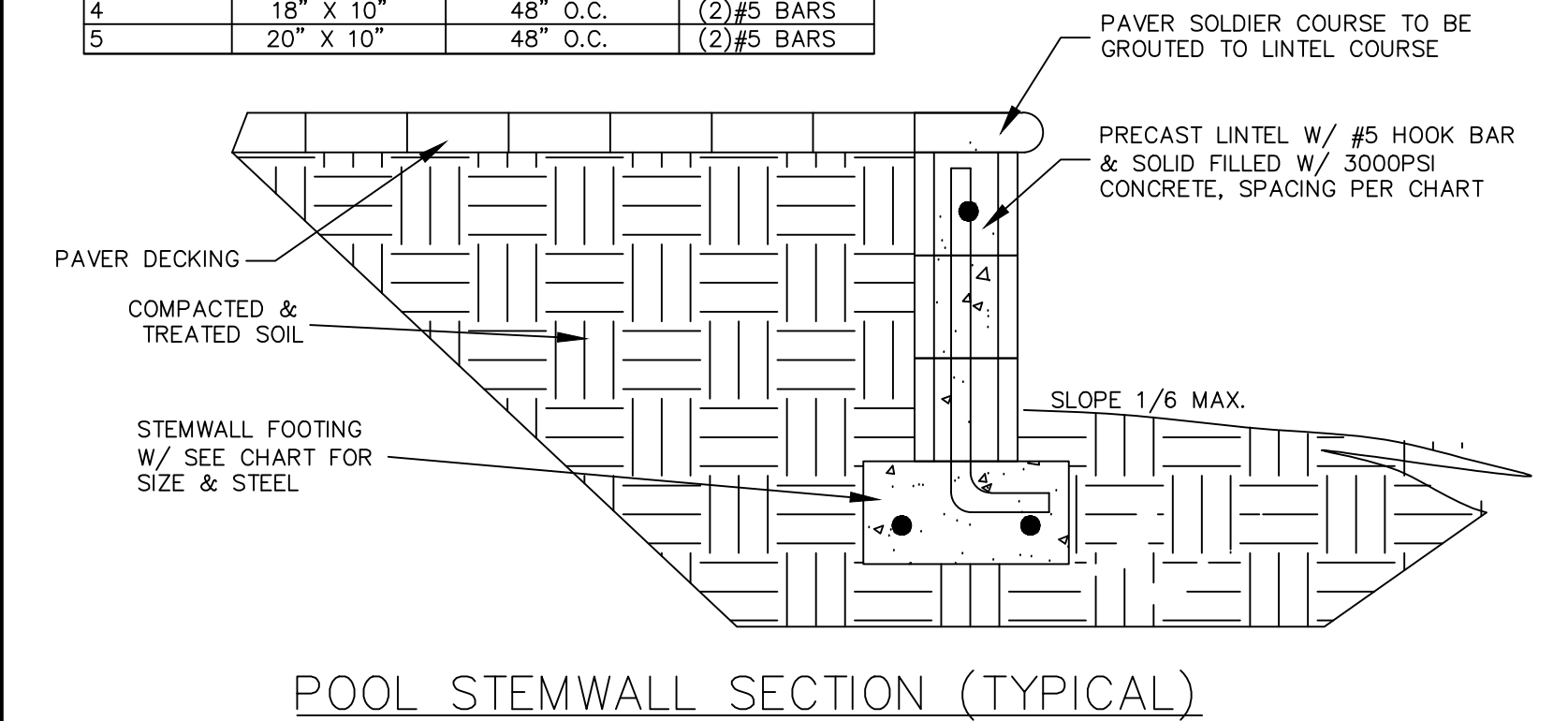
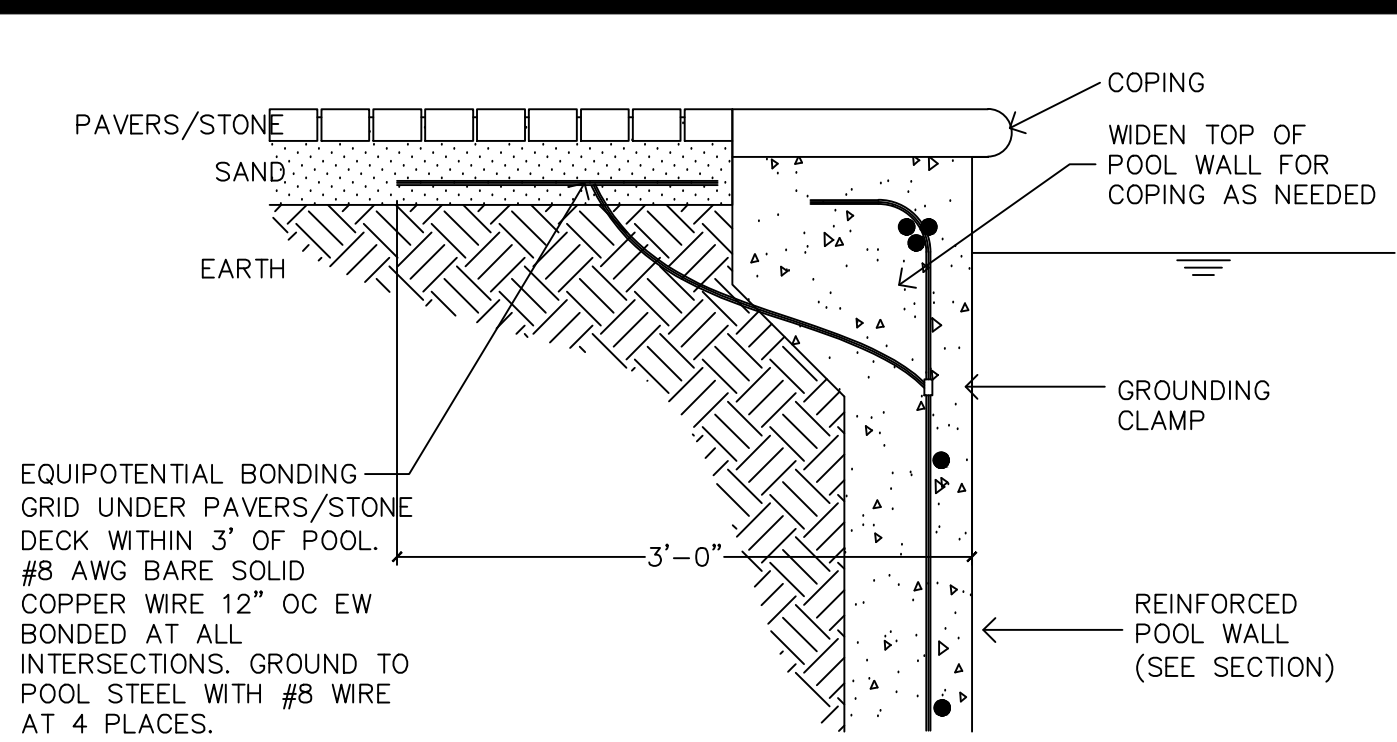


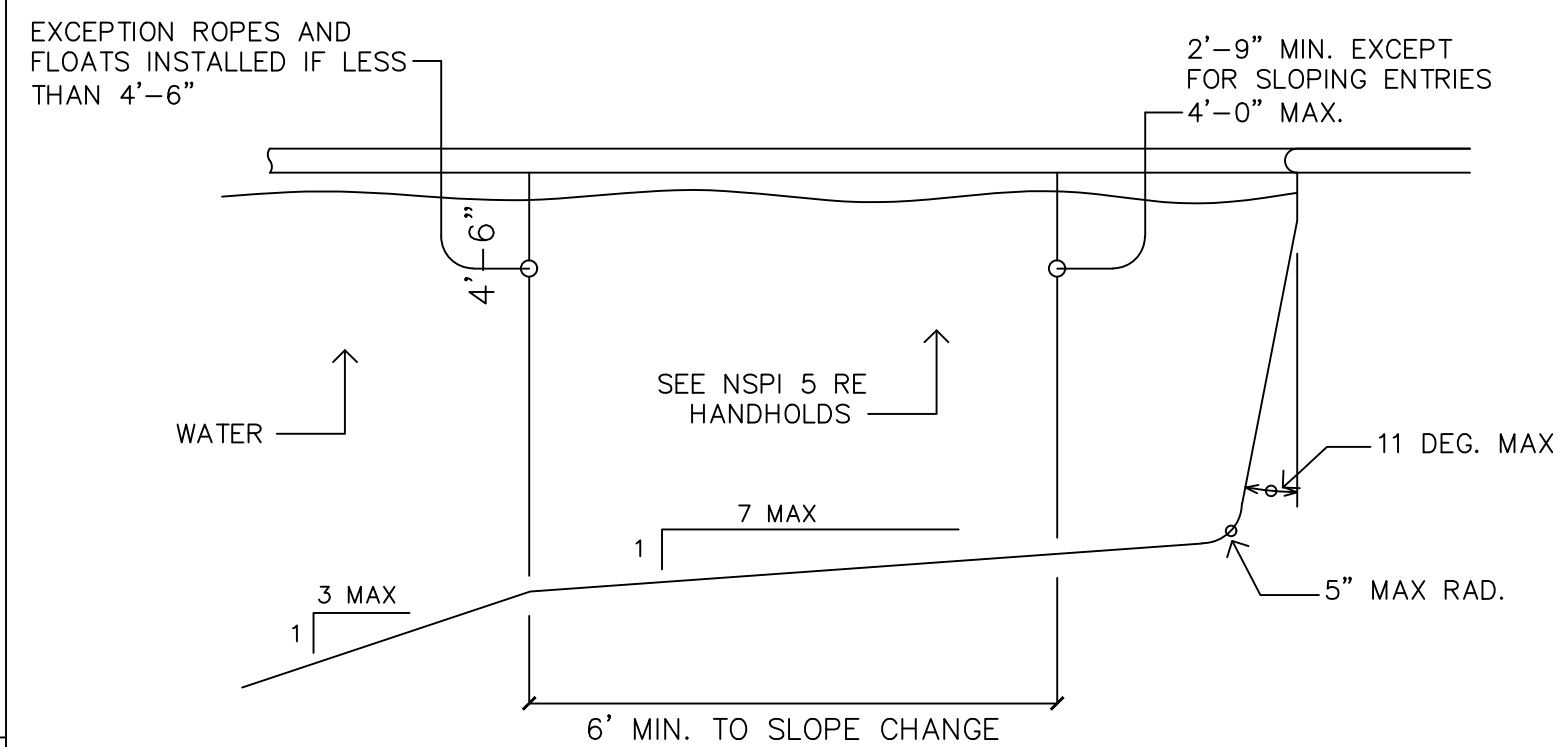
COURSE	FTG. SIZE	FILLED CELLS	FTG. STEEL
2-3	16" X 10"	72" O.C.	(2)#5 BARS
4	18" X 10"	48" O.C.	(2)#5 BARS
5	20" X 10"	48" O.C.	(2)#5 BARS



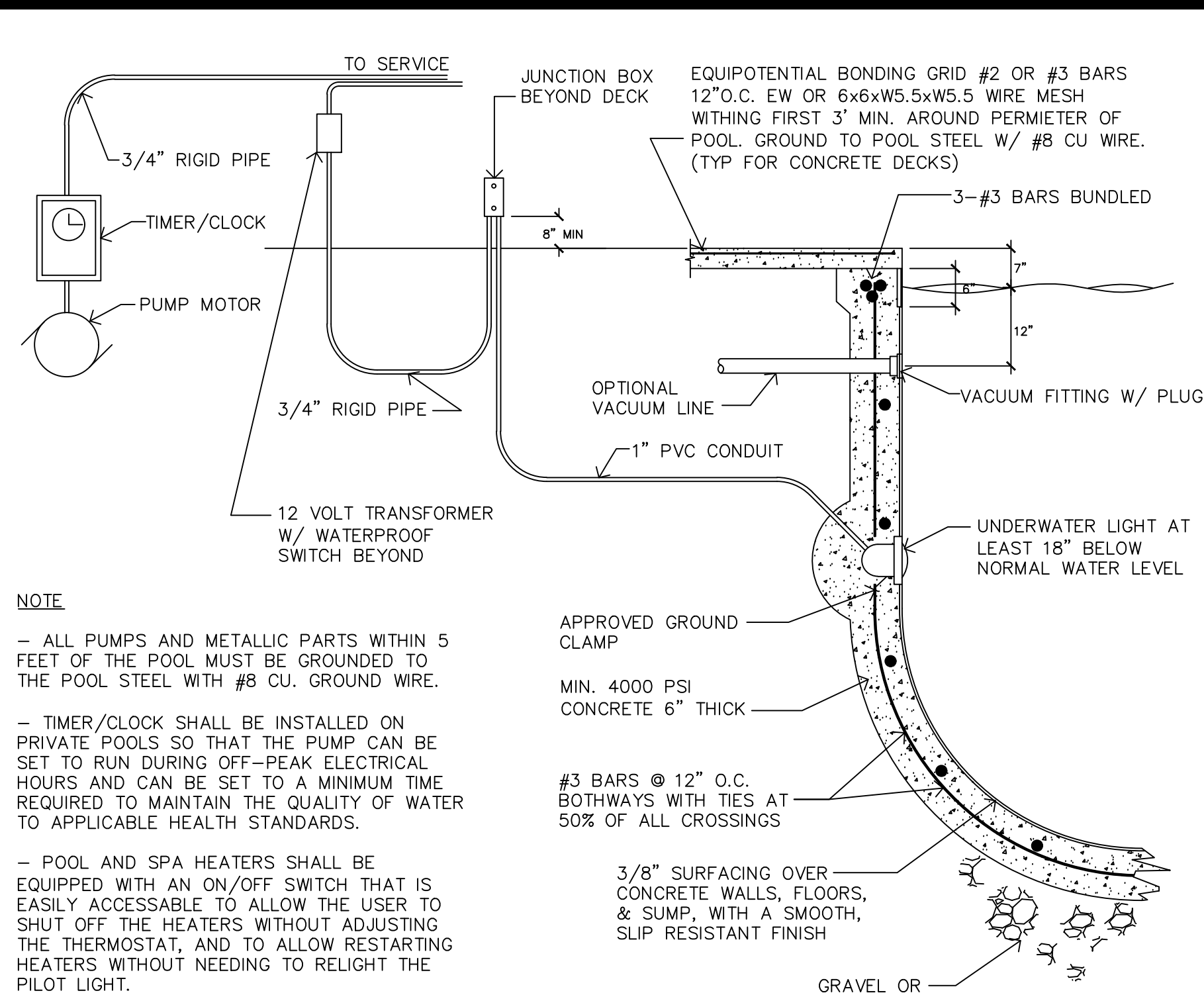
POOL/SPA, DECK, BEAM, WALL, FLOOR



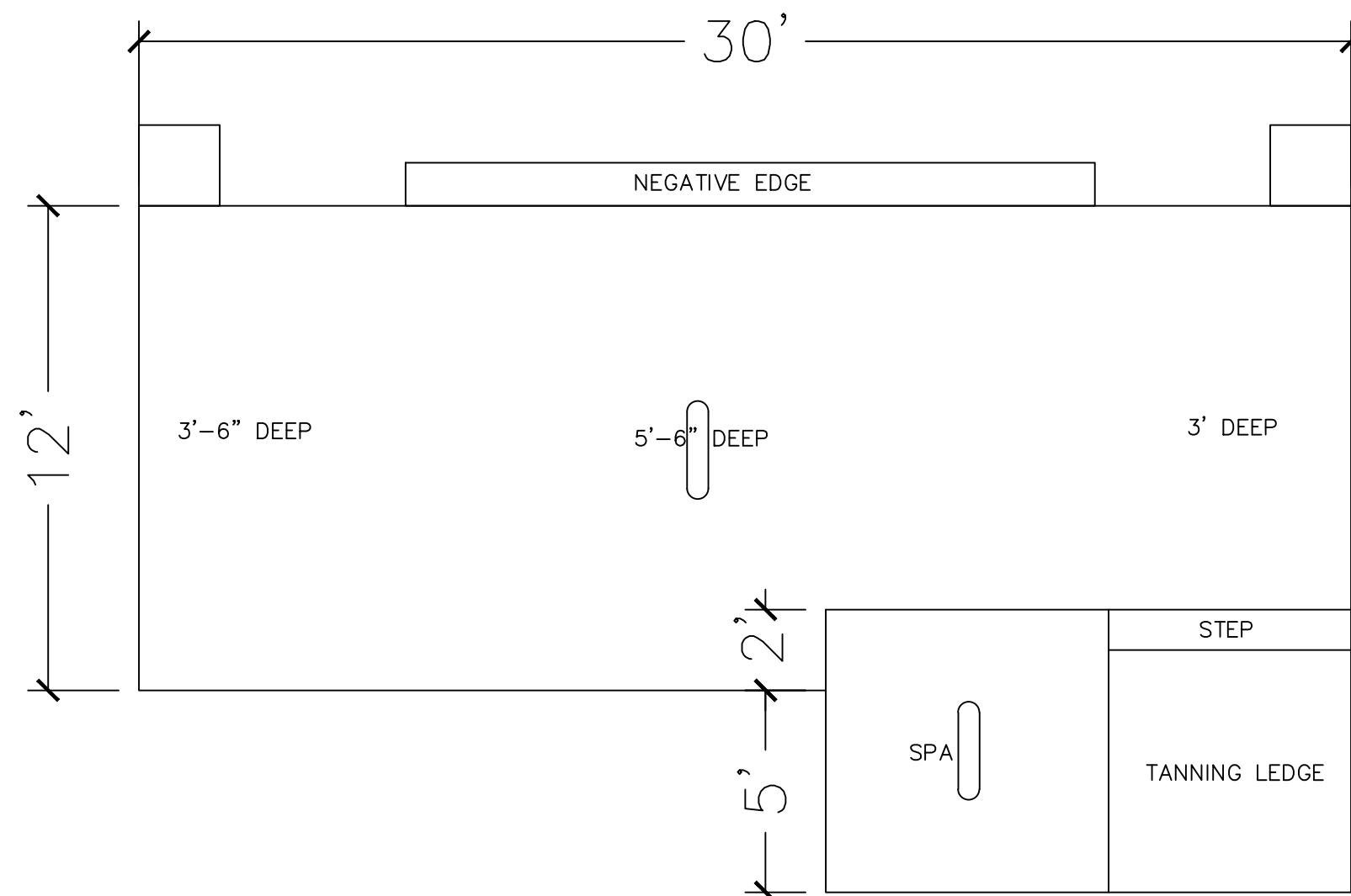
COPPER BONDING FOR PAVER DECK



POOL SECTIONAL DETAIL



POOL SECTION



SYSTEM SPECS & FLOW RATES

PUMP: ¾ HP PENTAIR WHISPERFLO PUMP.

FILTER: CLEAR & CLEAN, CC 100, 100 GPM

MAIN DRAIN: (1)AQUASTAR 32CDFL101

SIZE: 30'-0" X 12'-0"
DEPTH: 4'-0"
GALLONS: 10,771
SQ FT: 360
PERIMETER: 84 FT
RETURNS: 4 POOL MODE
DECK: 1,107SF

GENERAL DESIGN REQUIREMENTS

- DESIGN DIMENSIONS SHALL COMPLY WITH SPECIFICATIONS IN NSPI 5 AND NSPI 3 BASED ON THE POOL TYPE.
- SEE NSPI FOR DIVING WATER ENVELOPES.
- SLIDES SHALL MEET THE MANUFACTURE'S INSTALLATION REQUIREMENTS.
- ENTRY/EXIT: REQUIRED AT THE SHALLOW END AND DEEP END IF OVER 5 FEET DEEP. ACCEPTABLE ARE STAIRS (10" MIN TREAD WITH 240 SQUARE INCH MIN. AREA, 12" MAX RISER WITH INTERMEDIATE TREADS AND RISERS UNIFORM), LADDERS, UNDERWATER SEATS, AND SWIM OUTS (MAX 20" BELOW WATER).
- CIRCULATION SYSTEMS, COMPONENTS AND EQUIPMENT SHALL COMPLY WITH NSF 50.
- THE MAXIMUM TURN OVER RATE IS 12 HOURS.
- FILTERS SHALL HAVE AN AIR RELEASE AND PRESSURE GAGE.
- PUMPS 3 HP AND LESS SHALL MEET ANSI/UL1081 CORROSION RESISTANT WITH STRAINER AND MEET THE REQUIRED FLOW.
- SURFACE SKIMMERS SHALL MEET NSF 50 AND THERE SHALL BE ONE FOR EVERY 800 SQUARE FEET OF SURFACE AREA.
- RETURN INLETS SHALL BE A MINIMUM OF ONE FOR EVERY 600 SQUARE FEET.
- HEATER SHALL MEET ANSI-Z21.56 OR UL 1261 OR UL559.
- DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF 50.
- PRESSURE TEST PIPING AT 15 PSI FOR 30 MINUTES OR MEET LOCAL CODE IF GREATER.
- PROVIDE GUARDRAILS AROUND ALL WALKING SURFACES GREATER THAN 30" ABOVE FINAL GRADE PER FBC 6TH EDITION R312.

ELECTRICAL REQUIREMENTS

- WIRING AND BONDING AND ALL ELECTRICAL TO NEC ART. 680 OR LOCAL CODE.
- NO OUTLET OR OVERHEAD POWER WITHIN 10' IF WITHIN 15' PROTECT BE GFL TRANSFORMER MIN. 10' FROM POOL. 8" ABOVE WATER J BOX 4' FROM POOL, BRASS TO J BOX OR TRANSFORMER WHICH EVER IS FIRST EXCEPT WHERE PVC IS APPROVED.

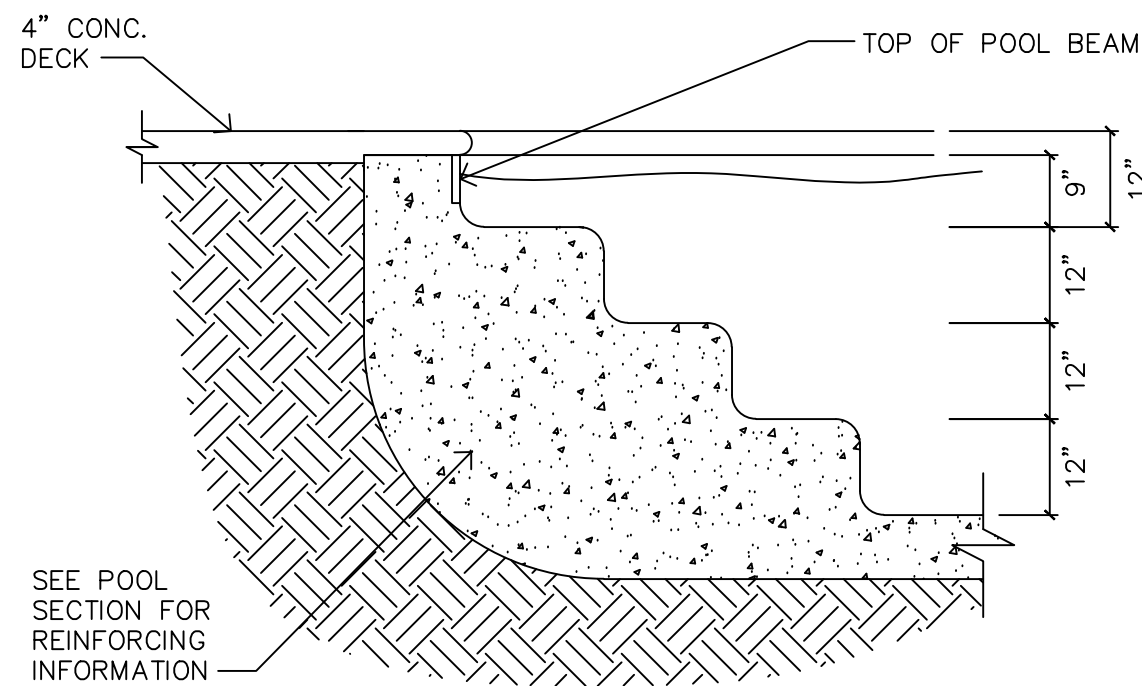
FLORIDA BUILDING CODE R4501

THE POOL CONTRACTOR OS RESPONSIBLE FOR FURNISHING ALL DETAILS DESIGN REQUIREMENTS FOR EACH INDIVIDUAL POOL IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, AND ALL CONSTRUCTION SHALL MEET ALL APPLICABLE CODES INCLUDING PLUMBING, ELECTRICAL AND GAS, PIPING SHALL BE SCH 40 PVC, NSFPA, MAX. PRESSURE VELOCITY 10 FPS, SUCTION 6 FPS, THE POOL PLAN SHALL SHOW THE DESIGN PLUMBING AS PER THE SAMPLE WITH INFORMATION REQUIRED SHOWN. MAIN DRAIN PLUMBING SHALL BE TWO DRAINS SEPARATED BY 3' WITH APPROVED ANSI/ASME A112.19.8M COVERS. AS AN ALTERNATE THE APPROVED DRAINS MAY BE PLACED ON DIFFERENT PLANES. THE DISTANCE EQUAL TO THE SUCTION PIPE SIZE IN ADDITION A SAFETY VACUUM RELEASES SYSTEM MUST BE INSTALLED. THIS MAY CONSIST OF AN AIR RELEASE SYSTEM THE VENT PIPE SHALL BE TIED TO THE MAIN DRAIN LINES, SIZED THE SAME AS THE MAIN GRAIN SUCTION LINE AND BROUGHT BACK TO THE FILTER LOCATION, ELBOWED UP AND OVER WITH A GRATE FOR PROTECTION AND LABELED "SAFETY VENT". SKIMMER DO NOT REQUIRE PROTECTION ANS MAY BE DESIGNED FOR 30 GPM SUCTION. THE FOLLOWING SHALL BE LABELED WITH RED LABEL MARKER TAPE AT THE FILTER LOCATION: PIPES, VALVES. "SAFETY VENT" OR "SAFETY DEVICE", PUMP(S) OFF SWITCH.

IT HAS BEEN CERTIFIED THAT THESE DESIGN REQUIREMENTS ARE COMPLIANCE WITH THE FLORIDA BUILDING CODE SECTIONS E4201 & R4501, ANSI/APSP/JCC-3 2014, STANDARD FOR PERMANENTLY INSTALLED SPAS AND ANSI/APSP/JCC-5 2011 STANDARD FOR RESIDENTIAL IN-GROUND SWIMMING POOLS.

DISCLAIMER

THESE PLANS REPRESENT REFERENCES FOR POOL CONSTRUCTION ONLY AND BY NO MEANS IMPLY A METHOD OF CONSTRUCTION OR PROCESS. FAULTY MATERIALS AND/OR CONSTRUCTION METHODS ARE NOT THE RESPONSIBILITY OF THE ENGINEER OF RECORD. HYDROSTATIC UPLIFT THE POOL IS NOT THE RESPONSIBILITY OF THE ENGINEER OF RECORD. PROBLEMS WITH THE POOL OR POOL SYSTEM RESULTING FROM INADEQUATE OR IMPROPER CONSTRUCTION SUPERVISION AND/OR IMPROPER POOL MAINTENANCE AFTER CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE ENGINEER OF RECORD.



POOL STEPS

THESE SPECIFICATIONS ARE GENERIC IN NATURE FOR A STANDARD POOL. THEY DO NOT CONSTITUTE A SITE SPECIFIC DESIGN BUT GENERAL GUIDELINES AND SPECIFICATIONS. A SITE SPECIFIC LAYOUT IS REQUIRED FOR EACH POOL. THE ENGINEER'S SEAL IS FOR CONFORMANCE TO SECTION 242-2 OF THE FLORIDA BUILDING CODE, 2017 EDITION.

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