

INDOOR POOL - YEAR ROUND OPERATION

NOTE:
 PLANS ARE FOR POOL CONSTRUCTION ONLY.
 SEE ARCHITECTURE PLANS
 FOR DECK, ENCLOSURE, LIGHTING AND/OR ANY OTHER ITEMS

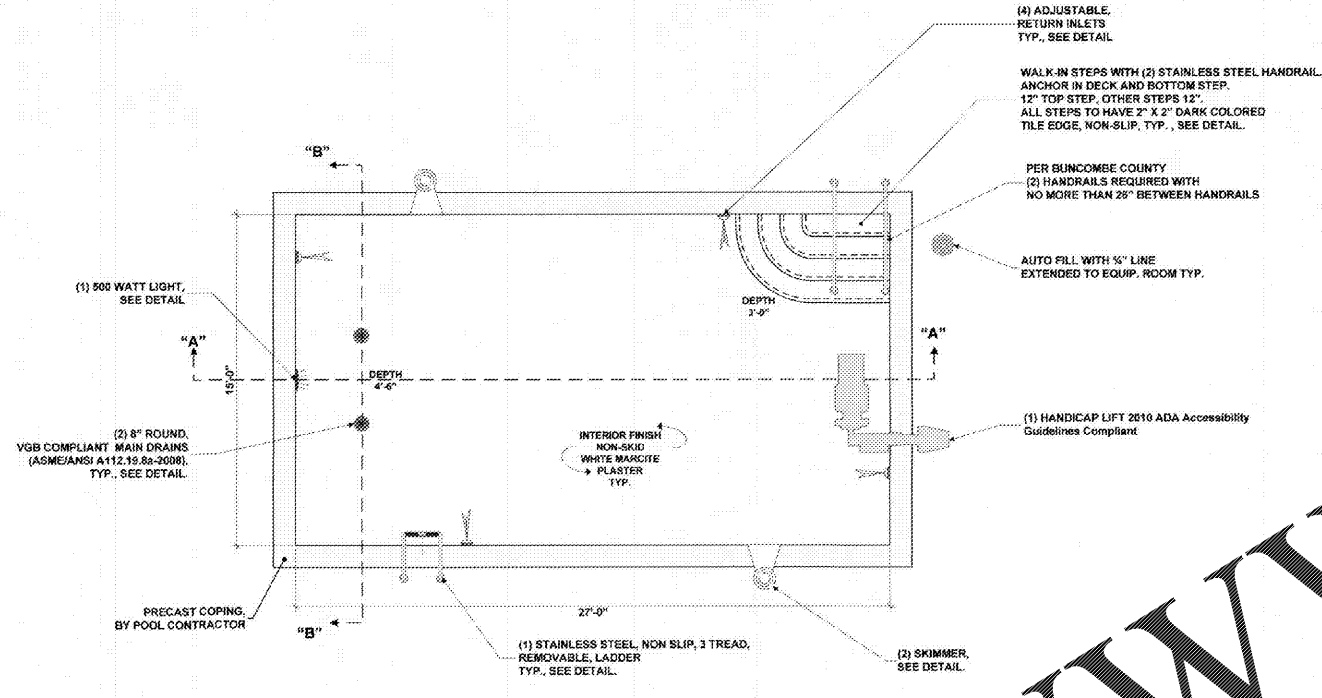
NOTE:
 ALL ELECTRICAL CIRCUITS WITHIN THE POOL AREA ARE TO BE PROVIDED WITH GROUND-FAULT-INTERRUPTERS (GFI).
 THE POOL AREA IS DEFINED AS INCLUDING THE TOILET FACILITIES, EQUIPMENT ROOM, CHEMICAL STORAGE, ETC.

NOTE: PER BUNCOMBE COUNTY DEPARTMENT OF HEALTH
 HEATER TO BE SET NOT TO EXCEED MAXIMUM OPERATING TEMPERATURE OF 90° F

NOTE: TO AVOID ENTRAPMENT, ALL SUCTION OUTLETS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ANSI/APSP-7

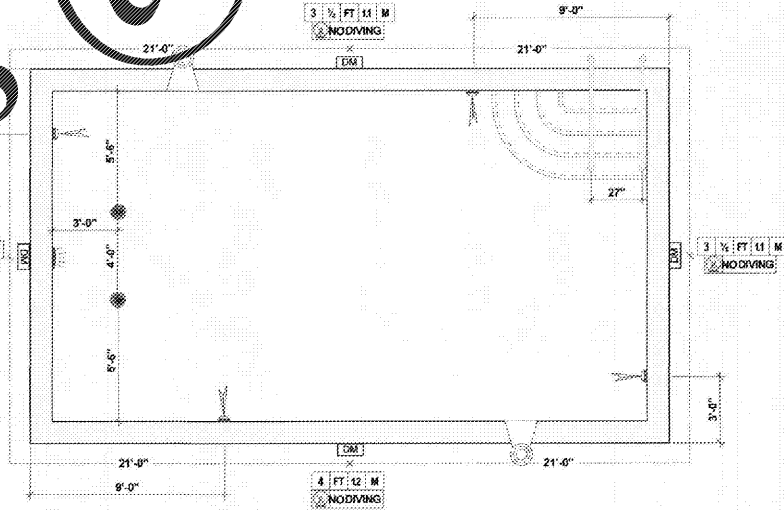
POOL LEGEND

- RETURN FITTING
- MAIN DRAIN
- SKIMMER
- AUTOMATIC FILL
- DEPTH MARKER



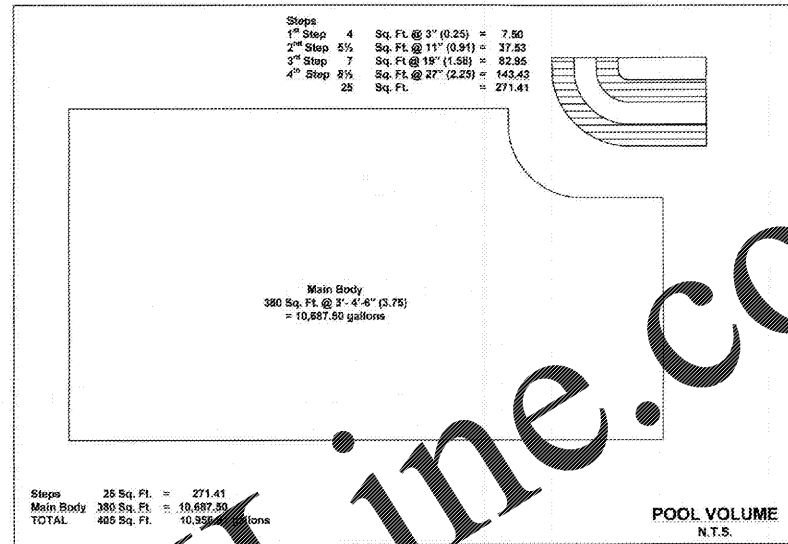
POOL PLAN VIEW
 1/4"=1'

NOTE: MANUAL VACUUM THROUGH SKIMMER WITH BASKET IN PLACE



NOTE: DIMENSIONS ARE MEASURED BY FOLLOWING INTERIOR POOL WALL PERIMETER

POOL FITTING PLACEMENT
 1/4"=1'



NOTE: WHEN STATE AND LOCAL SPECIFICATION CONFLICT, THE MOST STRINGENT OF THE SPECIFICATIONS MUST BE FOLLOWED.

BUNCOMBE COUNTY EGRESS CODE

POOL & DECK EGRESS TABLE	
Pool Surface Area:	405 Sq. Ft.
Pool Limit: 1 per 50 Sq. Ft.	8 Persons
Total Deck Area:	1,301 Sq. Ft.
Deck Limit: 1 per 15 sq. ft.	88 Persons

SPECIFICATIONS N.C. COMMERCIAL POOL

Surface Area:	405 Sq. Ft.
Perimeter:	87 Ls. Ft.
Pool Volume:	10,959 Gallons
Required Turn-Over Rate:	30.4 GPM
Design Turn-Over Rate:	48 GPM
Pool Limit:	27 Persons
DECK AREA	
Total Deck:	1,301 Sq. Ft.

NORTH CAROLINA-POOL EQUIPMENT			
QTY	DESCRIPTION	MODEL	MANUFACTURER
2	StarGuard® 8" Round Main Drain, Anti-Entrapment Suction Outlet Cover with (ASME/ANSI A112.19.8a-2008)	500120	PENTAIR
2	HydroStar® Relief Valve	SP-1057	HAYWARD
2	Bermuda® Granite Skimmer with Fical Valve & Equalizer Assembly, NSF rated @ 55 gpm (24 GPM ea.)	508370	PENTAIR
4	Adjustable Directional Flow Vial Inlets (12 GPM ea.)	SP-1419D	HAYWARD
1	500 Watt Pool Light		PENTAIR
1	Large Stainless Steel Niche	78210600	PENTAIR
1	Automatic Water Level Controller with Fluidmaster Valve	T40FW	PENTAIR
POOL FILTRATION			
QTY	DESCRIPTION	MODEL	MANUFACTURER
1	24" Titan® High Rate Sand Filter (53 gpm), w/ ARP & IP	TR-80	PENTAIR
1	2" Hi-Flow Multi-Port Control Valve	281050	PENTAIR
1	3/4 HP Challenger® Single Speed, High Pressure Pump & Motor, (48 gpm @ 65 TDH, Max Rated at 78 gpm)	CHL-NI-3/4	PENTAIR
1	2" F-300 Clamp-On Insertion Mount Flowmeter	F-30250	BLUE & WHITE
1	Rainbow™ Tricolor, OR-Line, Chlorination System, NSF rated for 12,000 to 48,000 gallons. Model 300 as supplement sanitation	R171016	PENTAIR
1	Soleno System for 20,000 gallon pool as primary sanitation	120MSM	CHLORCYCLING
1	Spares Pump Strainer Basket	355315	PENTAIR
1	Spares Skimmer Basket	518112	PENTAIR
1	MasterTemp® Natural Gas, 250,000 BTU Heater, ASME Certified	460771	PENTAIR
DECK EQUIPMENT			
QTY	DESCRIPTION	MODEL	MANUFACTURER
1	Handicap Handicap Pool Lift, 2010 ADA Guidelines Compliant	575-000	SRSMITH
2	9" Handrail, 1.90" O.D. x .085 wall, 304 Stainless Steel Tube, Polished and Buffed Finish	3HR-5-065	SRSMITH
1	24" Ladder, 1.80" O.D. x .085 wall, 304 Stainless Steel Tube, Polished and Buffed Finish with 3 Non-Slip Treads	LF-24-3B	SRSMITH
6	4" Cast Bronze Anchor Socket, with Cast Bronze Wedge Assembly	JAS-100	SRSMITH
6	Oblong Escalcheon, Chrome Plated with Set Screw	IEP-100	SRSMITH
1	Junction Box	783167	PENTAIR
AS REQ.	Universal "No-Drip" Tile @ each Deck Marker		NILAYS
AS REQ.	Depth Markers-3FT-4FT, English & Metric (Spacing per NC Specifications)		CLASSIC
MAINTENANCE EQUIPMENT			
QTY	DESCRIPTION	MODEL	MANUFACTURER
1	Skimmer Vacuum Plate	506161	Pentair
1	Hand Skimmer, Solid Aluminum Rod	R121196	Pentair
1	Curved Aluminum Back 18" Wall Brush	R111318	Pentair
1	ProVac 14" Granite Flex Vacuum Head	R201276	Pentair
1	1 1/2" X 40' Vacuum Hose	25918	Bio-Lab
1	8" 16' Metal Cam Telescopic Pole	32062	Dico-Lab
1	Service Complete Test Kit	K2008C	Taylor
SAFETY EQUIPMENT			
QTY	DESCRIPTION	MODEL	MANUFACTURER
1	US Coast Guard Approved Ring Buoy, 20" diameter with 750' Max. Throwing Line	PS8600	Gal-June
1	Safety Pool Hook Permanently Attached to 12" Straight Pole	R22102B, R221030 and R191116	Pentair
1	POOL RULES Sign-NC Approved	R234100	Pentair
1	WARNING NO LIFEGUARD ON DUTY Sign-NC Approved	R235301	Pentair
1	SHALLOW WATER NO DIVING Sign-NC Approved	R233602	Pentair
1	SHOWER REQUIRED Sign-NC Approved	40320	Pentair

mcmillan
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 ARCHITECTS

INT STAINLESS
 POOLS & SPA'S
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 ARDEN, NC 28704

SHEET ISSUE:
 07/30/16
 FOR CONSTRUCTION

REVISIONS

NO.	DESCRIPTION	DATE

PRINCIPAL IN CHARGE:
 PROJECT ARCHITECT:
 DRAWN BY:
 SHEET TITLE:
POOL DETAILED VIEW