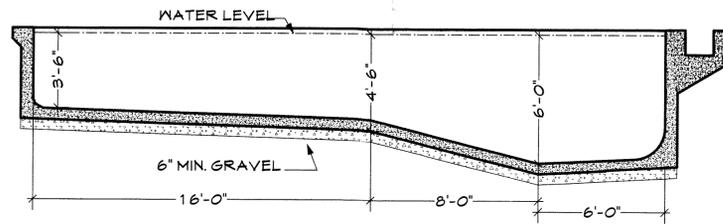
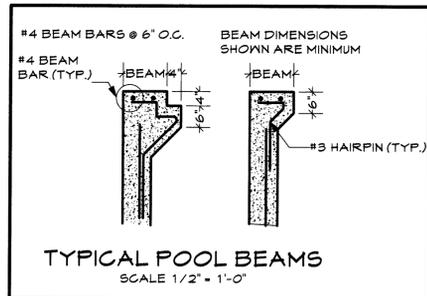


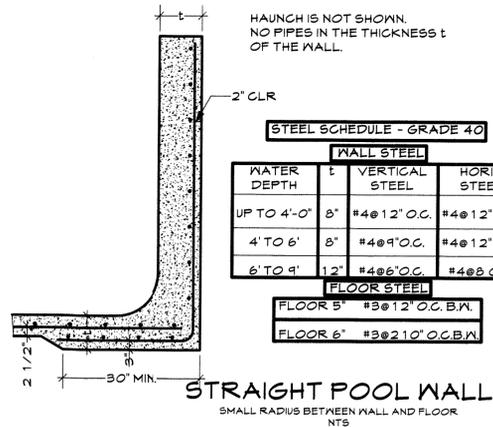
**PLAN**  
SCALE = 1/4" = 1'-0"



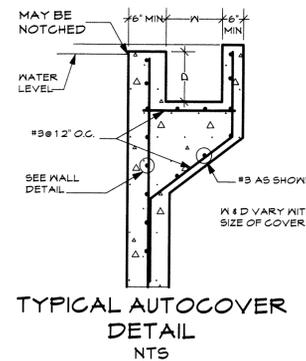
**SECTION**  
SCALE = 1/4" = 1'-0"



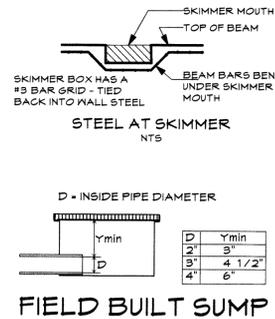
**TYPICAL POOL BEAMS**  
SCALE 1/2" = 1'-0"



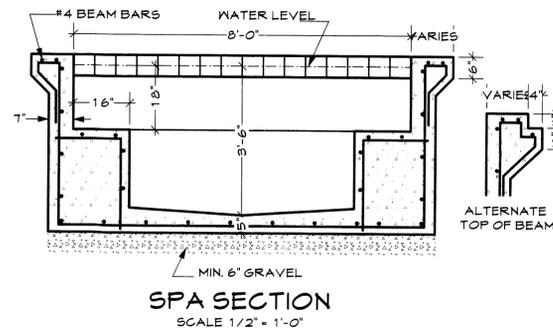
**STRAIGHT POOL WALL**  
SMALL RADIUS BETWEEN WALL AND FLOOR  
NTS



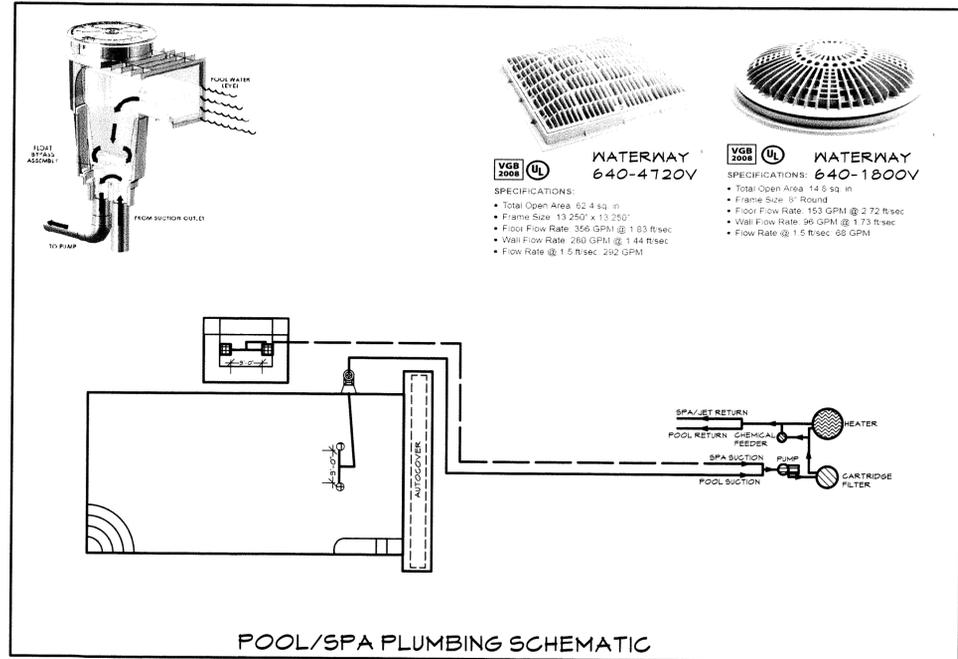
**TYPICAL AUTOCOVER DETAIL**  
NTS



**FIELD BUILT SUMP**



**SPA SECTION**  
SCALE 1/2" = 1'-0"



**POOL/SPA PLUMBING SCHEMATIC**

**WATERWAY 640-4720V**  
SPECIFICATIONS:  
• Total Open Area: 62.4 sq. in.  
• Frame Size: 13.250" x 13.250"  
• Floor Flow Rate: 356 GPM @ 1.83 ft/sec  
• Wall Flow Rate: 280 GPM @ 1.44 ft/sec  
• Flow Rate @ 1.5 ft/sec: 292 GPM

**WATERWAY 640-1800V**  
SPECIFICATIONS:  
• Total Open Area: 14.5 sq. in.  
• Frame Size: 6" Round  
• Floor Flow Rate: 153 GPM @ 2.72 ft/sec  
• Wall Flow Rate: 90 GPM @ 1.73 ft/sec  
• Flow Rate @ 1.5 ft/sec: 95 GPM

**POOL DESIGN AND CONSTRUCTION TO:**

**CONNECTICUT CODE**

2018 STATE BUILDING CODE  
2015 IRC: SECTION R326  
2015 IRC: SECTION 3109

(Add) R326.9 Referenced standards. The standards referenced herein are in Table R326.9

ANSI/APSP	Section
ANSI/APSP/ICC-3—14 American National Standard for Permanently Installed Residential Spas and Swim Spas	R326.5.1
ANSI/APSP/ICC-4—12 American National Standard for Aboveground/On-ground Residential Swimming Pools	R326.4.2
ANSI/APSP/ICC-5—11 American National Standard for Residential In-ground Swimming Pools	R326.4.1
ANSI/APSP/ICC-6—13 American National Standard for Residential Portable Spas and Swim Spas	R326.5.2
ANSI/APSP/ICC-7—13 American National Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Catch Basins	R326.7
ANSI/APSP/ICC-16-11 American National Standard for Suction Fittings for Use in Swimming Pools, Wading Pools, Spas and Hot Tubs	R326.3
ASTM F1346—91 (2010) Standard Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs	R326.6.1 R326.6.4
UL 2017 2008 General Purpose Signaling Devices and Systems - with revisions through May 2011	R326.6.1

- 3000 PSI CONCRETE
- GRADE 40 STEEL
- TIE REBAR AT ALL INTERSECTIONS
- REBAR IN STEPS AND BENCHES IS OPTIONAL. IT IS USED AS A FORMING DEVICE AND HELPS TO REDUCE TEMPERATURE AND SHRINKAGE CRACKS. IT IS RECOMMENDED.
- WOOD BLOCKING TO HOLD STEEL WALL GRID OUT, SHOULD BE IN PLACE BEFORE STEEL INSPECTION.

- NOTES:
1. LIGHTING W/P, RECEPTACLES, CIRCULATION PUMP(S), HEATER(S), CHEMICAL FEEDER(S) AND ALL OTHER ELECTRICALLY POWERED EQUIPMENT SHALL BE MANUFACTURER APPROVED FOR SPA & SWIMMING POOL USE & SHALL BE WIRED & GROUNDED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH THE MOST STRINGENT REQUIREMENTS OF THE MANUFACTURER, GOVERNING LOCAL ELECTRICAL CODE AND NFPA-70 ELECTRICAL CODE (NEC) LATEST EDITION.
  2. THE POOL SHALL BE WIRED & GROUNDED IN STRICT ACCORDANCE WITH NFPA-70 AND THE LOCAL ADOPTED ELECTRICAL CODE.
  3. ELECTRICAL EQUIPMENT AND MATERIAL SHALL BE LISTED BY UNDERWRITERS LABORATORIES (UL-LISTED) FOR THE USE INTENDED. PANEL ENCLOSURES FOR OUTDOOR USE SHALL BE NEMA 2 IF EXPOSED TO PRECIPITATION ONLY, OR NEMA 4 IF EXPOSED TO CONCENTRATED SPRAY.
  4. CONCRETE CYLINDER STRENGTH SHALL BE A MINIMUM OF 3000 PSIG AFTER 28 DAYS. REINFORCING STEEL SHALL BE GRADE 40, UNLESS OTHERWISE NOTED.
  5. THE ENGINEER HAS NOT REVIEWED SUBSURFACE CONDITIONS, UNLESS NOTED IN THESE PLANS. THE ENGINEER SHALL BE INDEMNIFIED AGAINST ALL DAMAGES ARISING FROM SUBSURFACE CONDITIONS.
  6. THE ENGINEER IS RESPONSIBLE FOR THE CONTENTS OF THIS DRAWING AND HAS NOT REVIEWED ZONING CRITERIA AND PERMITTING REQUIREMENTS AND SHALL BE INDEMNIFIED AGAINST ALL DAMAGES ARISING FROM NONCOMPLIANCE WITH ZONING AND PERMITTING REQUIREMENTS.
  7. THE OWNER SHALL BE RESPONSIBLE FOR FENCING THE POOL AREA IN ACCORDANCE WITH PREVAILING REGULATIONS.



**POOLS BY AL, INC.**  
484 WEST MAYFLOWER PLACE  
MILFORD, CT 06460  
(203) 878-4510

**23 WESTFAIR DRIVE**  
WESTPORT, CT  
SCALE: AS SHOWN DATE: 01/07/20  
FILE: POOLS BY AL 23 WESTFAIR DRIVE 0120

CT LIC. 10483 / NY LIC. 013887-1  
COPIES ARE NOT VALID  
A. J. Rocca  
COPIES ARE NOT VALID