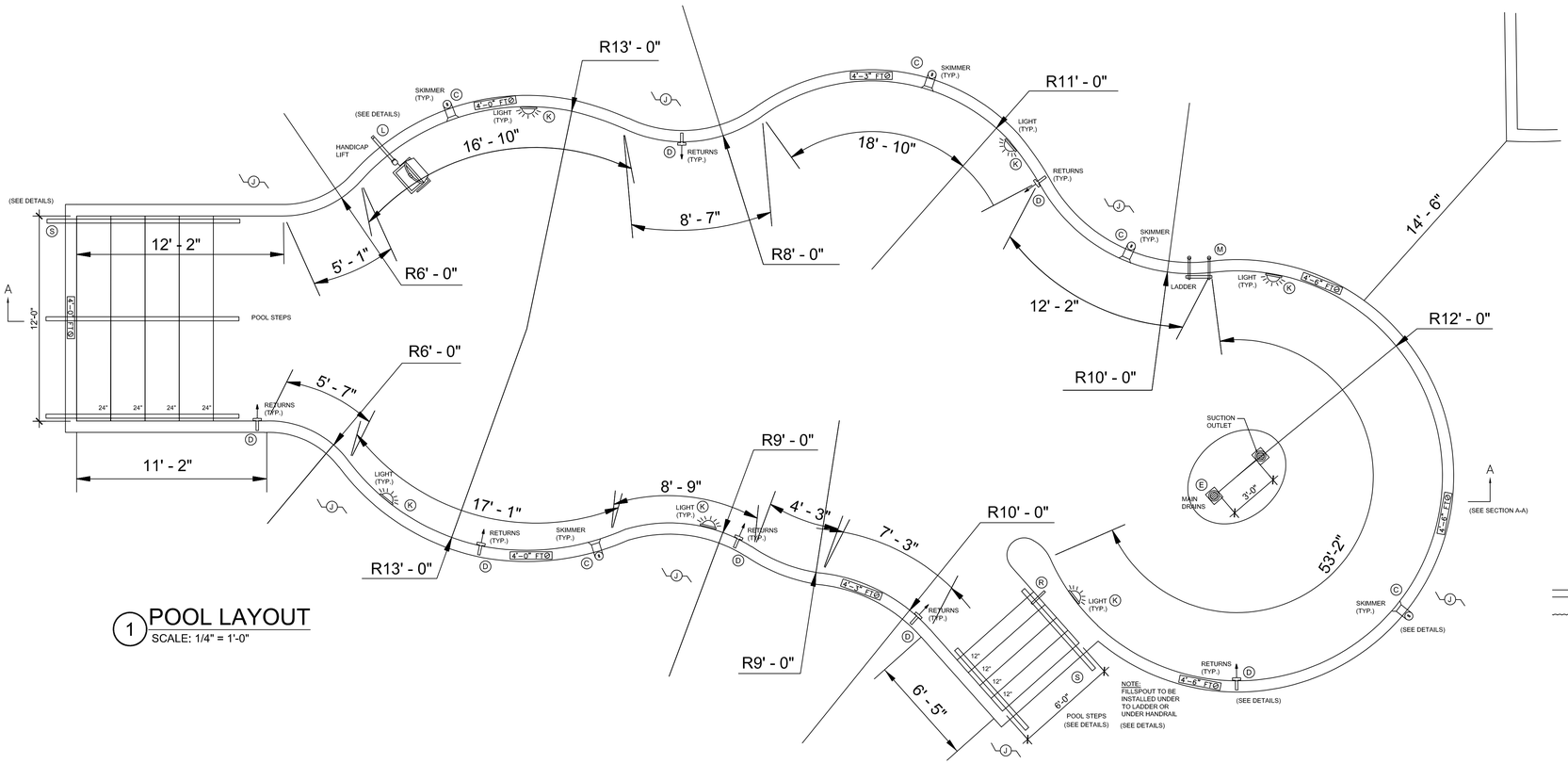
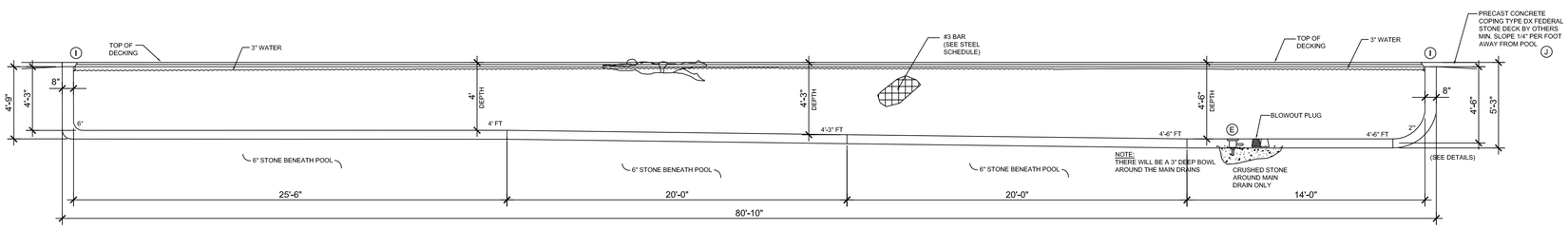


1 POOL LAYOUT
SCALE: 1/4" = 1'-0"



2 POOL SECTION A-A
SCALE: 1/4" = 1'-0"

EQUIPMENT SCHEDULE:

SYM.	ITEMS:	DESCRIPTIONS:
A	FILTER	STARITE S8M500 CARTRIDGE FILTER
B	PUMP	PENTAIR WhisperFloXF 3.0 HP RATED @140 GPM @ 50 TDH
C	SKIMMER	(5) HAYWARD SP 1082
D	RETURNS	(7) HAYWARD SP 1419D
E	MAIN DRAINS	(2) LAWSON AQUATICS 12"X12" @ 190 GPM @ 1.5 FT/SEC
F	POOL HEATER	(2) AQUACAL SQ225
G	TILES	HM205 MARBLED BLUE 2X2
H	AUTOMATION	CAT 2000
I	COPING	FEDERAL STONE DX PRECAST CONCRETE
J	-	-
K	POOL LIGHTS	(6) PENTAIR MICROBRIGHT EC-620430 100' CORD (WHITE)
L	H.C. LIFT	ANCHOR SPECTRUM MOTION TREK 350 W/ ANCHOR
M	LADDER	(2) SR SMITH 3-STEP S/S
N	INTERIOR FINISH	TRADITIONAL WHITE PLASTER
O	CHEMICAL CROCK	(2) 50 GAL. CHEMTAINER W/ LID DOUBLE WALLED
P	CHEMICAL FEED	(2) ROLACHEM RC25/53SC 12 GPD
Q	FLOW METER	BLUEWHITE 3" TOP MOUNTED
R	AUTOMATIC WATER FILL	LEVELOR K1100 W/ VALVE -
S	HANDRAIL	(4) SR SMITH 60" 3-BEND

SAFETY EQUIPMENTS

- (1) 16' ALUMINUM POLE W/ SHEPARDS CROOK
- (1) 20" RING BUOY W/ THROW ROPE
- (1) 16' ALUMINUM POLE W/ VACUUM, LEAF NET ATTACHMENT
- (3) CT POOL RULE SIGNS
- (1) EMERGENCY PHONE SIGN
- (1) NO LIFE GUARD ON DUTY SIGN
- (1) NO DIVING SIGN

POOL INFORMATION:

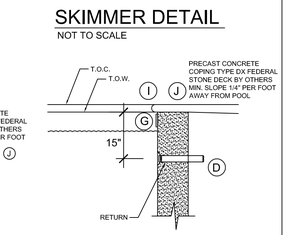
POOL:	37'-6" X 79'-0"
AREA:	1,707 S.F.
POOL PERIMETER:	216' L.F.
CAPACITY:	55,124 GAL.
FLOW RATE:	140 GPM @ 50TDH
FILTERATION AREA:	500 S.F.
FILTERATION RATE:	0.28 GPM/S.F.
TURN OVER RATE:	6.56 HRS
BATH LOAD:	69 PERSONs

POOL STEEL SCHEDULE

8" WALL	#3 BAR @ 12" O.C.E.W.
FLOOR	#3 BAR @ 12" O.C
IF GREATER THAN 5' DEEP	#3 BAR @ 6" VERT.

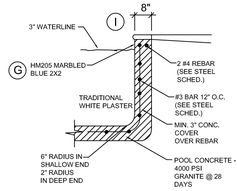
SPA STEEL SCHEDULE

WALL	N/A
FLOOR	N/A

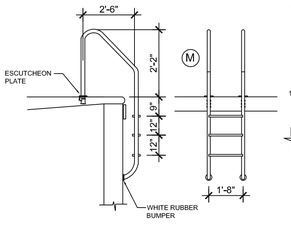


SKIMMER DETAIL
NOT TO SCALE

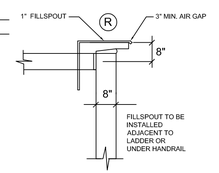
RETURN DETAIL
NOT TO SCALE



DEEP END DETAIL
NOT TO SCALE



LADDER DETAIL
NOT TO SCALE



FILL SPOUT DETAIL
NOT TO SCALE

APPLICABLE CODES FOR SWIMMING POOLS STATE OF CONNECTICUT - (COMMERCIAL)

- 2022 INTERNATIONAL RESIDENTIAL CODE PORTION OF THE 2021 CONNECTICUT STATE BUILDING CODE ADOPTED AS AMENDED THROUGH OCTOBER 1, 2022 SPECIFIC REQUIREMENTS OF SECTION 2406.4 HAZARDOUS LOCATIONS (FOR SAFETY GLAZING) AND 3109 RE SWIMMING POOL ENCLOSURES AND SAFETY DEVICES SHALL BE MET.
- 2021 INTERNATIONAL PLUMBING CODE ADOPTED AS AMENDED BY THE STATE OF CONNECTICUT THROUGH OCTOBER 1, 2022
- 2021 INTERNATIONAL ENERGY CONSERVATION CODE ADOPTED AS AMENDED BY THE STATE OF CONNECTICUT THROUGH OCTOBER 1, 2022.
- NFPA 70 - 2020, NATIONAL ELECTRICAL CODE ADOPTED AS AMENDED BY THE STATE OF CONNECTICUT THROUGH OCTOBER 1, 2022.
- ANSI / APSP 7-06 STANDARD FOR SUCTION ENTRAPMENT AVOIDANCE IN SWIMMING POOLS, WADING POOLS, SPAS, HOT TUBS, AND CATCH BASINS.
- CONNECTICUT PUBLIC HEALTH CODE, SECTION 19-13-B33b (07/01/2005).
- CONNECTICUT PUBLIC HEALTH CODE, SECTION 19a-36-B361 (03/17/2014)
- CONNECTICUT PUBLIC SWIMMING POOL MANUAL (APRIL 2017)

MATERIALS:

- REINFORCING STEEL - ASTM A-615 GRADE 60
- WELDED WIRE MESH - ASTM A-185
- DECK CONCRETE – ACI 301 - 3,500 PSI DECK (5% AIR ENTRAINED).

GENERAL NOTES:

1. OWNER & POOL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL CODES, REGULATIONS, & REQUIREMENTS.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE.
3. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
4. ALL PIPING SHALL BE SCHEDULE 40 PVC POTABLE WATER GRADE OR BETTER. MAIN DRAIN PIPING BELOW POOL VESSELS TO BE SCHEDULE 80 PVC POTABLE WATER GRADE OR BETTER. ALL PIPING SHALL BE BROUGHT INTO THE EQUIPMENT ROOM BELOW GRADE.
5. POOL DRAINAGE TO DRAIN TO SANITARY SEWER WITH A 4 INCH MINIMUM AIR GAP.
6. CONCRETE SHALL BE PNEUMATICALLY PLACED GRADE "B" 4000 PSI, COMPRESSIVE STRENGTH AT 28 DAYS.
7. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A-615 GRADE 60, LAP ALL BARS SPLICES 40 BAR DIAMETERS MINIMUM.
8. THE INTERIOR OF THE POOL VESSELS ARE TO BE FINISHED WITH A PEBBLE TEC FINISH.
9. ANY REDUCTION IN PIPE SIZE IS TO BE MADE AS CLOSE TO THE EQUIPMENT AS POSSIBLE.
10. USE 'QUICK DISCONNECT' TYPE CONNECTIONS ON THE FILTERS AND BOTH SIDES OF THE CIRCULATING PUMPS AND THE HYDROJET PUMP.
11. ALL ELECTRIC WORK SHALL BE PER 2005 NFPA 70 AMENDED (CT) 2009 NATIONAL ELECTRICAL CODE INCLUDING GROUNDING AND BONDING OF THE POOL STRUCTURES AND ALL ASSOCIATED METALLIC COMPONENTS. ALL RECEPTACLES IN THE POOL EQUIPMENT ROOM ARE TO BE GROUND FAULT INTERRUPTER CIRCUIT (GFIC) PROTECTED. (WI OCT, 6, 2011 AMENDMENT)
12. POOL CONTRACTOR TO PROVIDE A COMPLETE EXTRA SET OF CARTRIDGE FILTER ELEMENTS FOR EACH FILTER
13. ALL SWIMMING POOL AND SPA EQUIPMENT ROOM PIPING SHALL BE ADEQUATELY SUPPORTED WITH PIPE HANGERS, BLOCKS, ETC. AS NECESSARY.
14. THE POOL CONTRACTOR SHALL PROVIDE EXTRA STRAINER BASKETS FOR THE CIRCULATING PUMP HAIR AND LINT STRAINERS AND THE HYDROJET PUMP HAIR AND LINT STRAINER.
15. MAIN DRAIN AND SIDE SUCTION OUTLETS COVERS SHALL HAVE ANSI/ASME EMBOSSMENT TO INDICATE COMPLIANCE WITH ANSI/ASME A112.19.8-2007 STANDARD AND THE VIRGINIA GRAEME BAKER POOL AND SPA SAFETY ACT.
16. STEP TREADS ON THE LADDERS SHALL HAVE A SLIP RESISTANT FINISH.
17. INSTALL THE GAS HEATERS PER STATE AND LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS. PROVIDE A MINIMUM OF 24 INCHES OF UNOBSTRUCTED CLEARANCE IN FRONT OF THE HEATERS, 18 INCHES OF UNOBSTRUCTED CLEARANCE ON THE PIPING SIDE OF THE HEATERS, 6 INCHES OF UNOBSTRUCTED CLEARANCE BEHIND AND ON THE NON-PIPING SIDE OF THE HEATERS, AND 44 INCHES OF UNOBSTRUCTED CLEARANCE ABOVE THE HEATERS. INSTALL HEAT SINKS ON THE INLETS AND OUTLETS AND A CHECK VALVE IN HEATER INLET PIPING.
18. THE FOLLOWING SHALL BE PROVIDED:
- INITIAL DOSE OF CHEMICALS.
- CLEANING TOOLS.
- SHEPHERD'S CROOK W/16' POLE, RING BUOY, AND THROW ROPE,
- SPINE BOARD W/ HEAD RESTRAINT AND TIE DOWN STRAP.
- FIRST AID EQUIPMENT EQUAL TO RED CROSS 25 STANDARD UNIT.
- ALL REQUIRED SIGNAGE.

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1 HOPYARD ROAD
EAST HADDAM, CONNECTICUT 06423

POOL LAYOUT PLAN

MARK	REVISION	DATE

DATE:	2024.02.09
SCALE:	1/4" = 1'-0"
PROJECT NUMBER:	F02024
DRAWN BY:	SWJ
CHECKED BY:	GCM

RIZ200