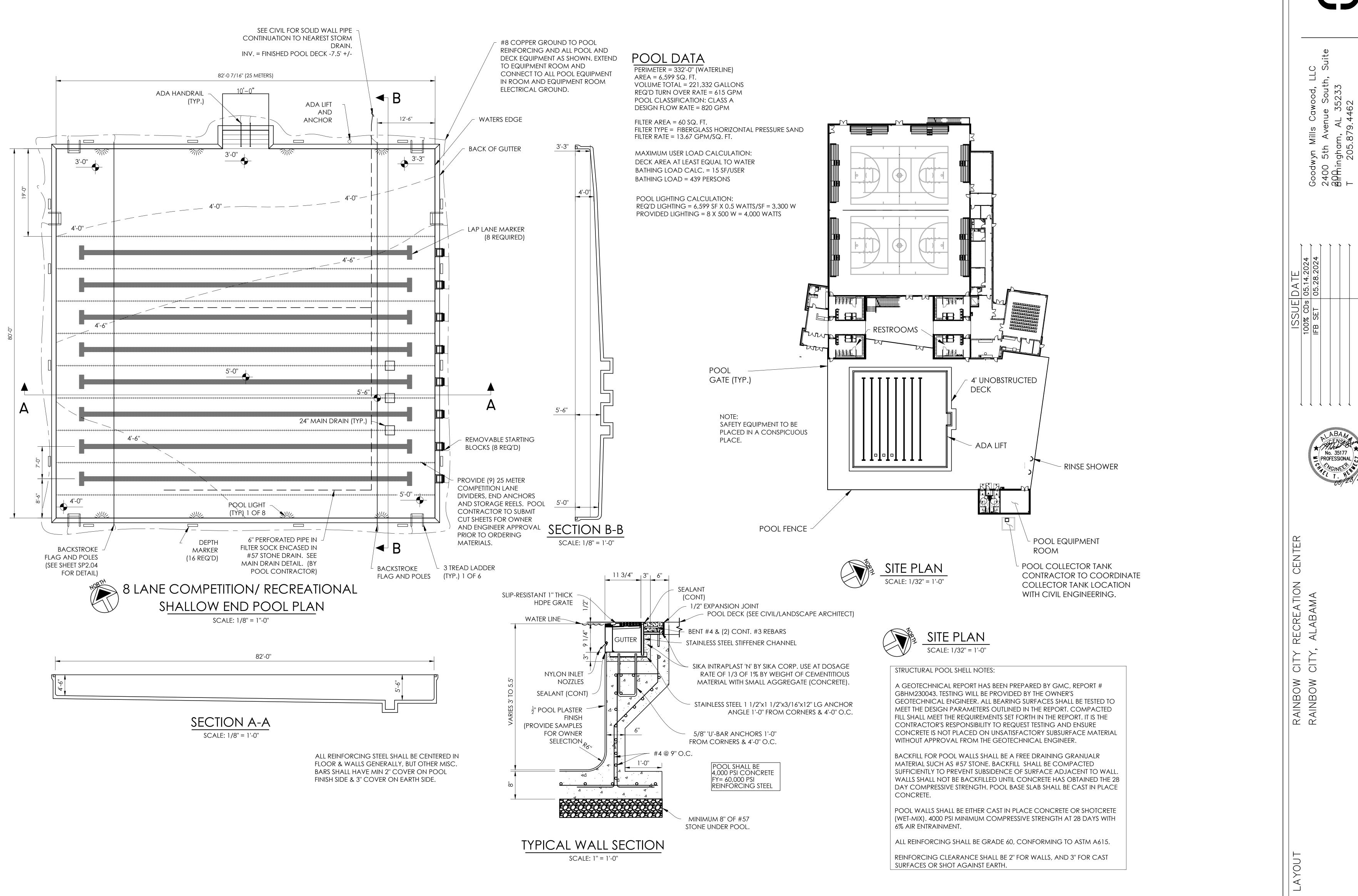


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No. 35177

PROFESSIONAL 3

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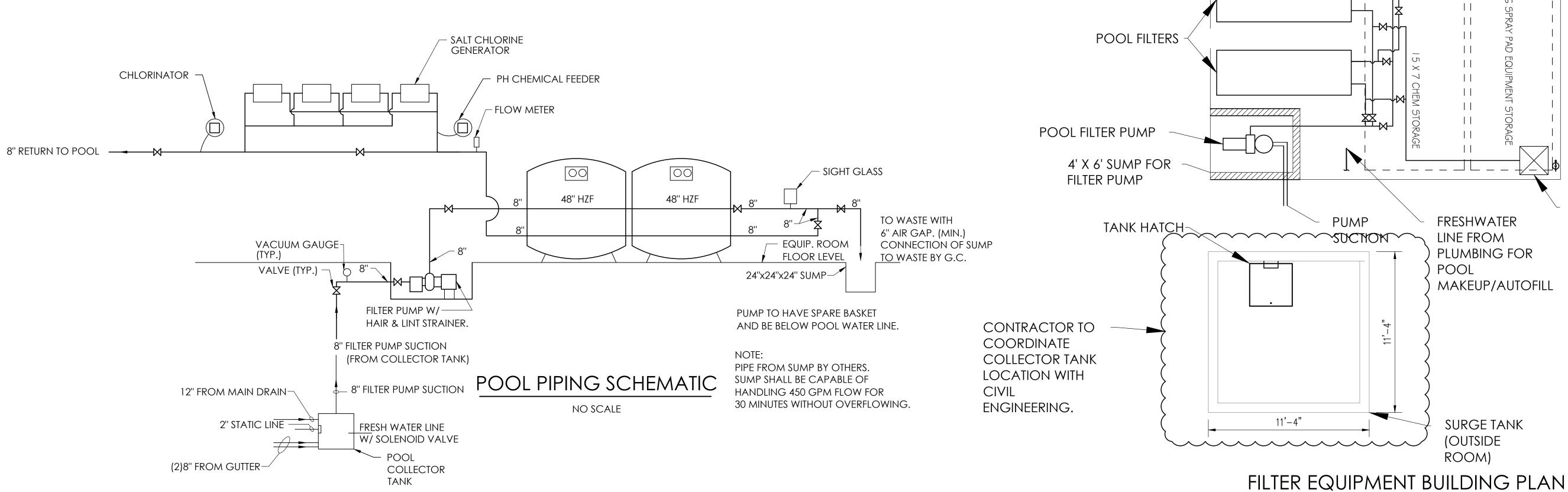
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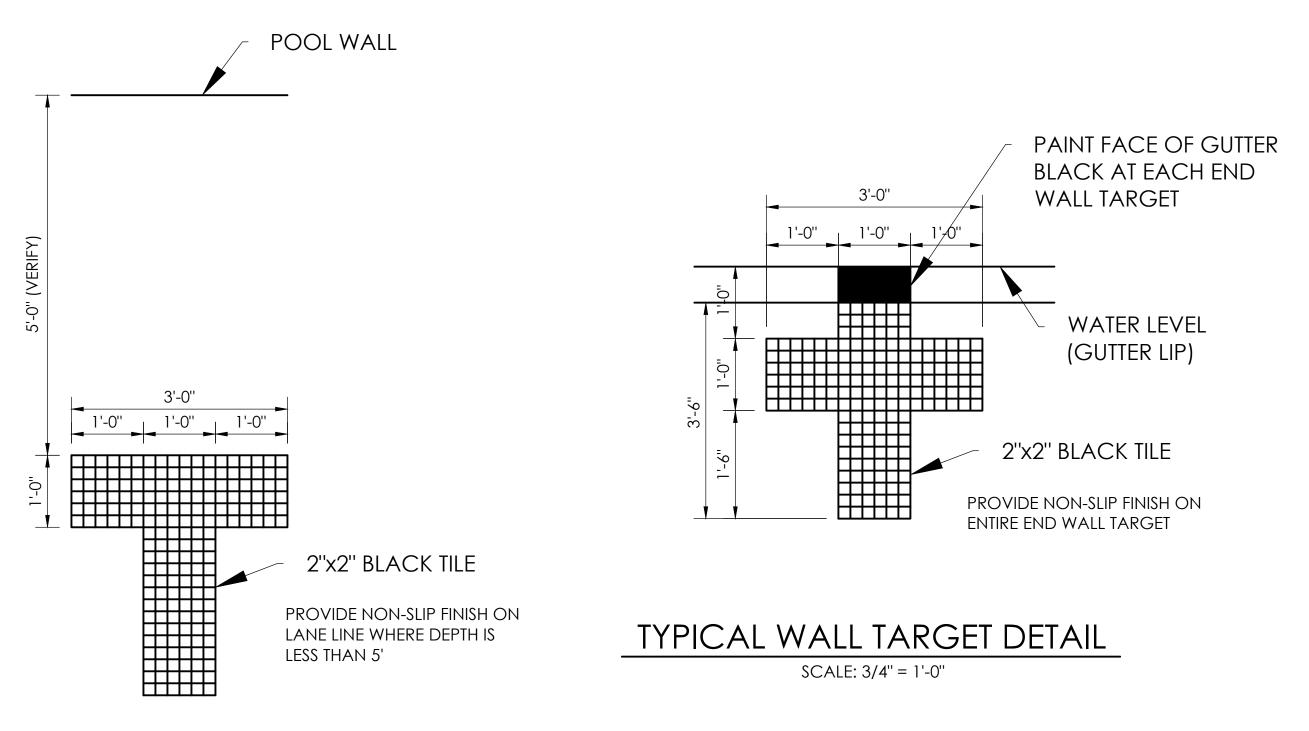
	<u> </u>	<u>L EQUIPMEI</u>	<u> </u>	
ITEM	QUANTITY	MANUFACTURER	DESCRIPTION	volts-amps
MAIN DRAIN FRAME & GRATE	3	PADDOCK	2424ESMD-FC 24"x24" FRAME & GRATE (VGB COMPLIANT)	
MAIN DRAIN SUMPS	3	PADDOCK	(3) 2424ESMD-FC 24"x24" MAIN DRAIN SUMPS W/10" CONNECTION	
FILTER	2	PADDOCK	HZF-48-30 48" FIBERGLASS HORIZONTAL PRESSURE SAND 60 SQ. FT. (30 SQ. FT. EA.) TOTAL AREA = 13.67 GPM/ SQ. FT.)	
FILTER PUMP	1	GRUNDFOS	LC 40957 (20 hp) W/ HAIR AND LINT STRAINER * AND SPARE BASKET. (820 GPM @ 60 FT. T.D.H.) WITH VFD	460 V 3 PHASE
VFD	1	SIEMENS	SEE SHEET SP2.03	
FLOW METER	1	BLUE WHITE	CF-30800P, 8" 300 TO 2200 GPM	
PRESSURE GAUGE	2	BLUE WHITE	2 1/2" FACE 0 TO 60" PSI	
VACUUM GAUGE	1	BLUE WHITE	2 1/2" FACE 0 TO 30" VACUUM	
CHLORINATOR	1	PROMINENT	SERIES CONCEPT PLUS, PN CN-PB-0215NPB2N0D010 LIQUID NaOCL SANITIZER * DIAPHRAGM PUMP. 0-95 GAL/24 HRS. W/(2) DOUBLED WALL 50 GALLON CROCKS	120V 60Hz
PH FEEDER	1	PROMINENT	SERIES CONCEPT PLUS, PN CN-PB-0215NPB2N0D010 HCL pH CONTROL * DIAPHRAGM PUMP. 0-95 GAL/24 HRS. (2) DOUBLED WALL 50 GALLON CROCKS	120V 60Hz
SALT-CHLORINE GENERATOR	4	HAYWARD	HCS110 4" UNION 10 LBS/DAY *	120V 60Hz 1F
CHEMICAL CONTROLLER	1	PROMINENT	MODEL DCM-513 SERIES PN 1093020 COMPLETE PACKAGE	5A/120V
AUTO-FILL	1	JANDY	JANDY LEVELOR K-1100	0.5A/120V
3 TREAD LADDER	6	PADDOCK	SEE SHEET SP2.04 316L S.S.	
HANDRAIL	2	s.r. smith	3HR-5ADA 5'-0" 3 BEND-065 1.90x.065 316L SS (60")	
DEPTH MARKERS	16	PADDOCK	SEE SHEET SP2.04	
ESCUTCHEON AND WEDGE ANCHOR	16	PADDOCK	SEE SHEET SP2.04	
LIGHT W/ NICHE	8	HAYWARD	LPWUS11XXX LED LIGHTS 72 WATTS (500 WATTS EQUIVALENT)	120V
TEST KIT	1	TAYLOR	2006 - SALT	
LIFE RING	2	CAL-JUNE	20" USCG LIFE RING-WHITE W/ 60' ROPE	
LIFE HOOK W/ POLE	2	AQUALITY	10138 RESCUE HOOK (RH1038)/4004 16' POLE	
STARTING BLOCK	8	PADDOCK	SEE SHEET SP2.04	
STARTING BLOCK ANCHOR	8	PADDOCK	SEE SHEET SP2.04	
LEAF SKIMMER	1	HAYWARD	PLASTIC - SP1700	
BRUSH	1	RAINBOW	18" CURVED BRUSH #902	
VACUUM CLEANER	1	WATERCO	PORTABLE WITH ON-BOARD CARTRIDGE FILTER	
VACUUM CLEANER HEAD	1	PENTAIR	R201269 29" VACUUM HEAD W/ 48' POLE AND 50' VACUUM HOSE	
PERIMETER GUTTER GRATING	340'-0''	PADDOCK	SEE SHEET SP2.04 316L S.S.(MEASURED AT OUTSIDE OF GRATE)	
MOVEABLE LIFE GUARD CHAIR	1	PADDOCK	SEE SHEET SP2.04	
ADA LIFT AND ANCHOR	1	AQUA CREEK	F-MTY600 W/ F-808SA ANCHOR	

* NOTE: CHLORINATORS AND CHEMICAL FEEDERS TO BE ELECTRICALLY INTERLOCKED TO PREVENT OPERATION WHEN MAIN FILTER PUMP IS NOT WORKING AND SHALL HAVE MEANS TO PREVENT BACKFLOW. PROVIDE METHOD TO START/STOP CHEMICAL FEEDER WHEN PUMP IS RUNNING.

CHLORINATOR CALCULATION:

(820 GPM x 60 MIN/HR x 24 HRS/DAY x 62.4 #/CF x 0.000006 PPM) / (7.48 GAL/CF) = 59.1 PPD





TYPICAL FLOOR MARKER DETAIL SCALE: 3/4" = 1'-0"

NOTE: PIPE ROUTING AS SHOWN AND DETAILED ON THE DRAWINGS IS DIAGRAMATIC ONLY AND IS NOT INTENDED TO SHOW MINOR DETAILS OR EXACT LOCATIONS OF PIPING

SYSTEMS. INSTALLATION IS REQUIRED TO BE ADJUSTED TO ACCOMMODATE INTERFERENCE AND ADJUSTMENTS ANTICIPATED AND ENCOUNTERED. PIPE SIZES ON PLANS

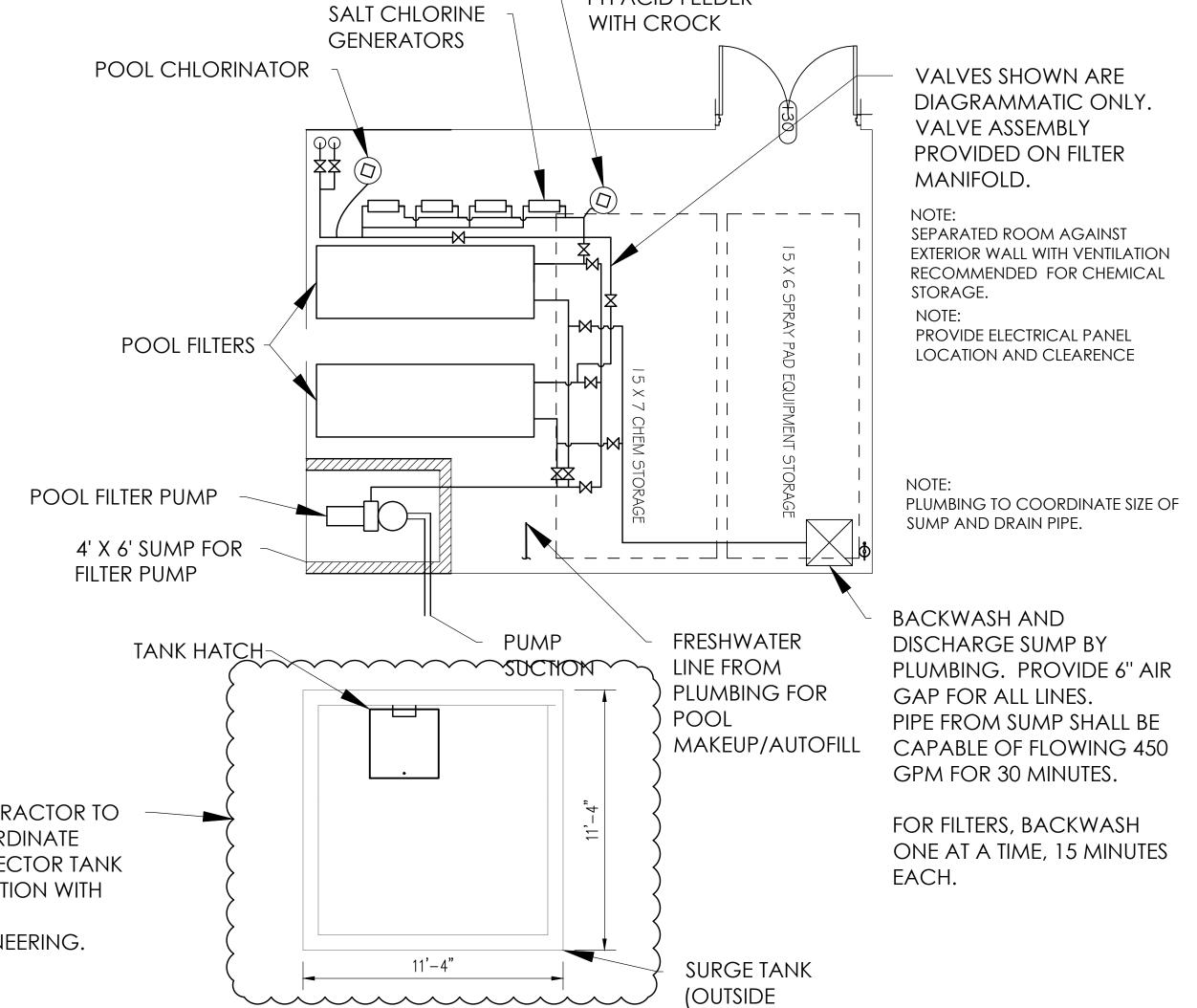
REFER TO NOMINAL INSIDE DIAMETER OF THE PIPE.

ROOM)

10

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

PH ACID FEEDER



Goodw 2400 BRMin T

15S| 100% (2 1FB SE

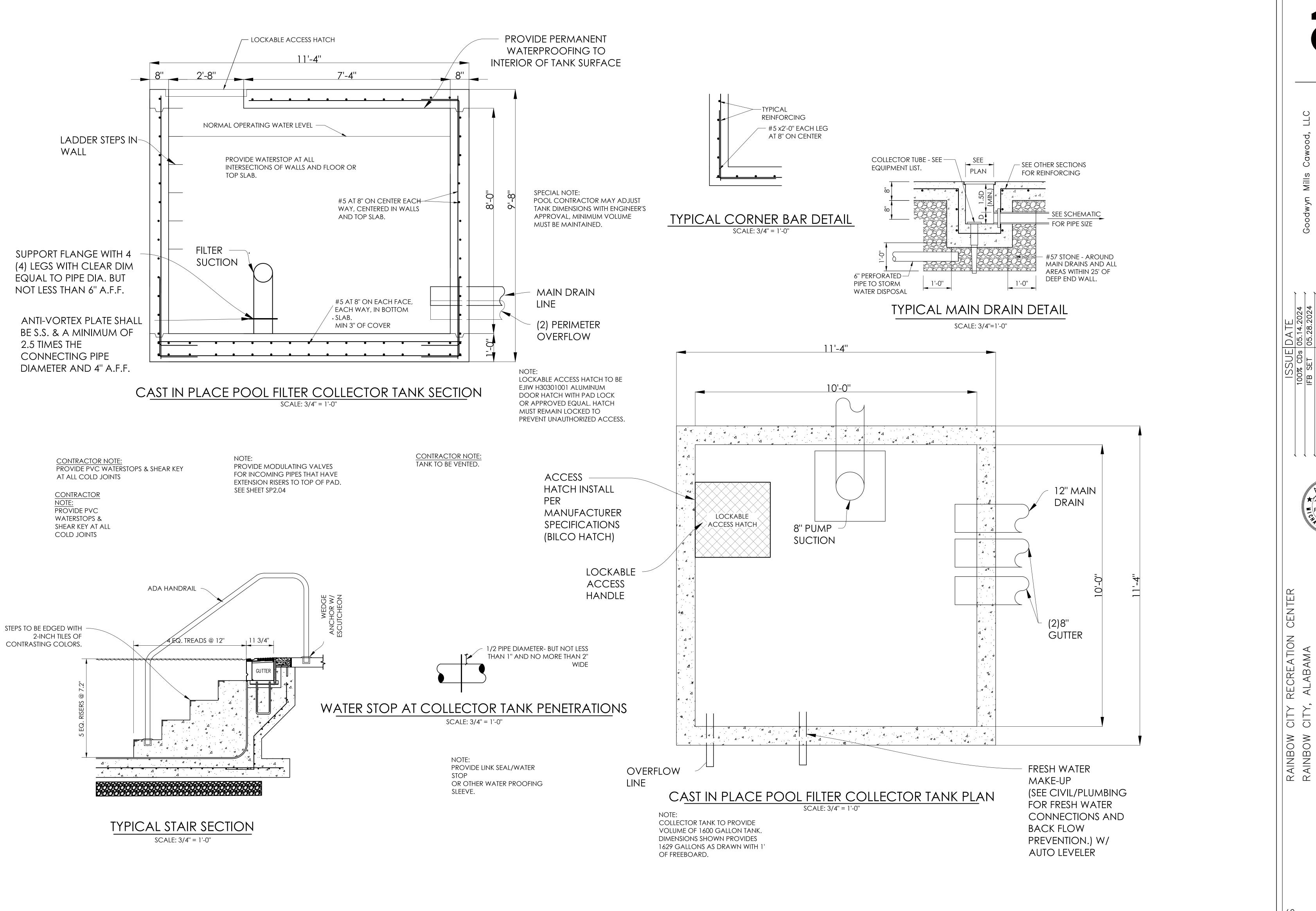


RECREATION CITY,

RAINBOW

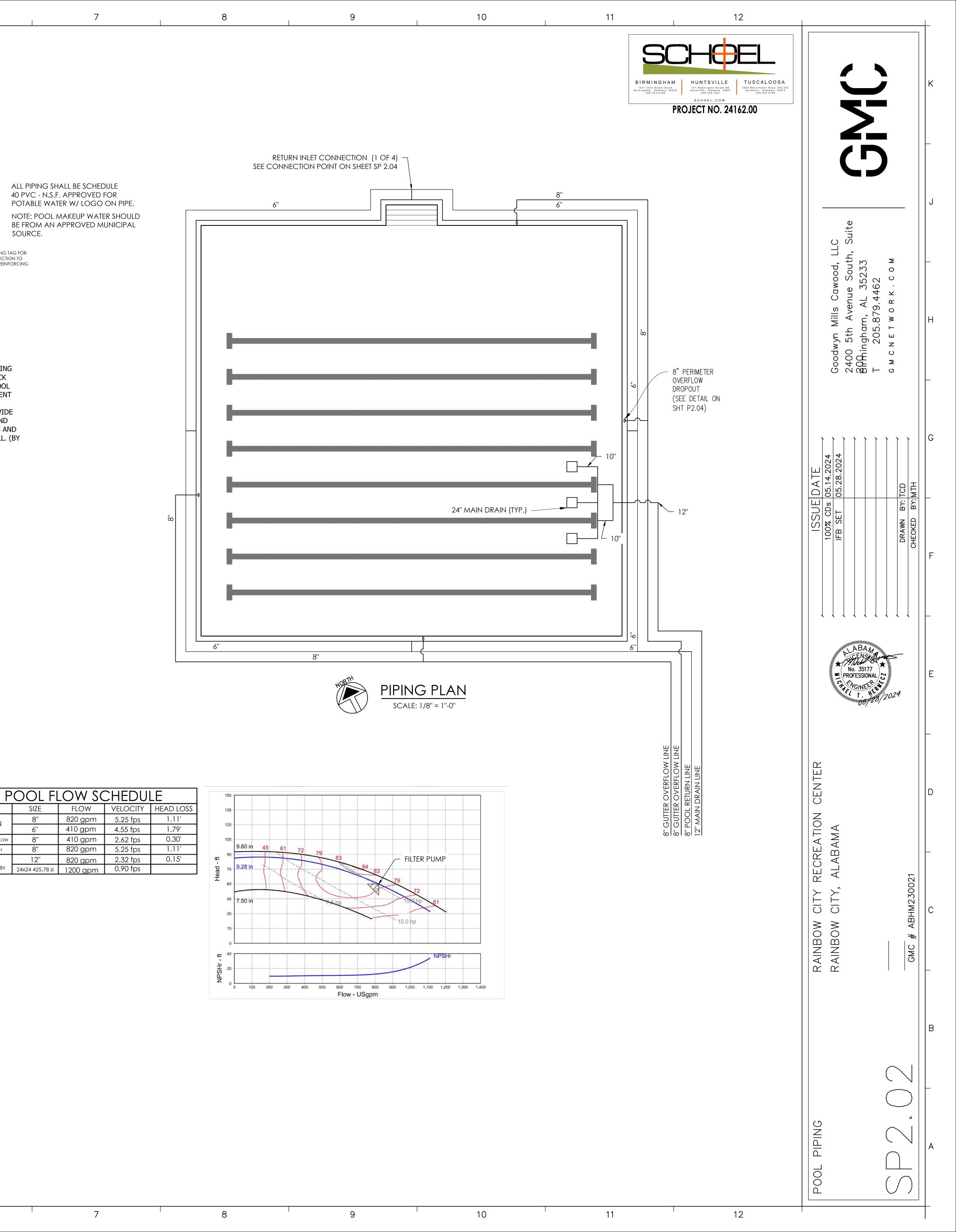


PROJECT NO. 24162.00



vyn N 5th Goodw 2400 BAPhin T





POOL PUMP— ALL METAL COMPONENTS TO ALL PIPING SHALL BE SCHEDULE 40 PVC - N.S.F. APPROVED FOR BE TIED TO GROUNDING LOOP. POTABLE WATER W/ LOGO ON PIPE. BONDING TAG FOR-CONNECTION TO DECK REINFORCING NOTE: POOL MAKEUP WATER SHOULD BE FROM AN APPROVED MUNICIPAL SOURCE. BONDING TAG FOR CONNECTION TO DECK REINFORCING HANDICAP LIFT BONDING TAG FOR
CONNECTION TO
DECK REINFORCING POOL AND DECKING BONDING REQUIREMENTS/BOND DECK WELD-WIRE FABRIC TO POOL REBAR AND POOL EQUIPMENT — BONDING TAG FOR CONNECTION TO DECK REINFORCING #8 COPPER WIRE TO PROVIDE CONTINUOUS LOOP AROUND POOL HITTING 4 CORNERS AND STINGERS FROM THE SHELL. (BY TYPICAL BONDING DETAIL OTHERS) ESCUTCHEON (CHROME PLATED) /WEDGE BOLT & WASHER HANDRAIL END AND/ OR LADDER < RAIL INSERTED INTO WEDGE / WEDGE BODY

BONDING WIRE BOLT & WASHER

POOL REINFORCING STEEL
OR BONDING GRID

~8 AWG SOLID COPPER

BONDING CONDUCTOR [(NEC 680.26(B)].

PRESSURE CONNECTOR LISTED AS BONDING

SHALL BE EMPLOYED TO CONNECT THE 8 AWG BOND WIRE TO THE STRUCTURAL STEEL

FLOW 820 gpm

410 gpm

410 gpm

820 gpm

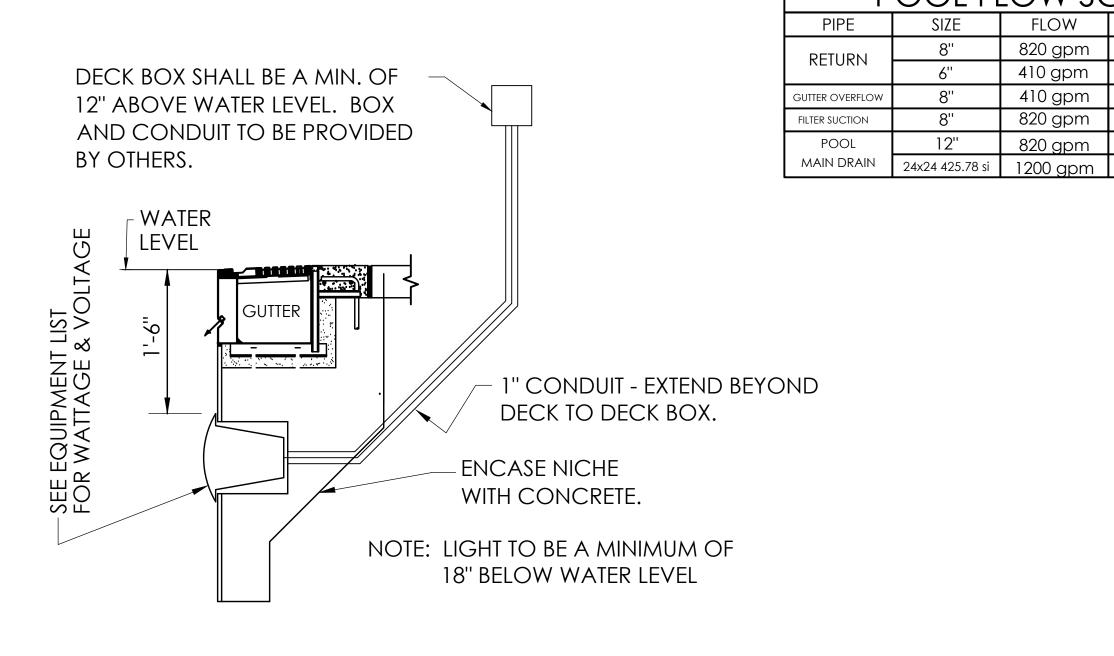
820 gpm

TYPICAL BONDING DETAIL FOR METALLIC PARTS NOT TO SCALE

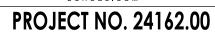
PRESSURE CONNECTOR LISTED AS BONDING

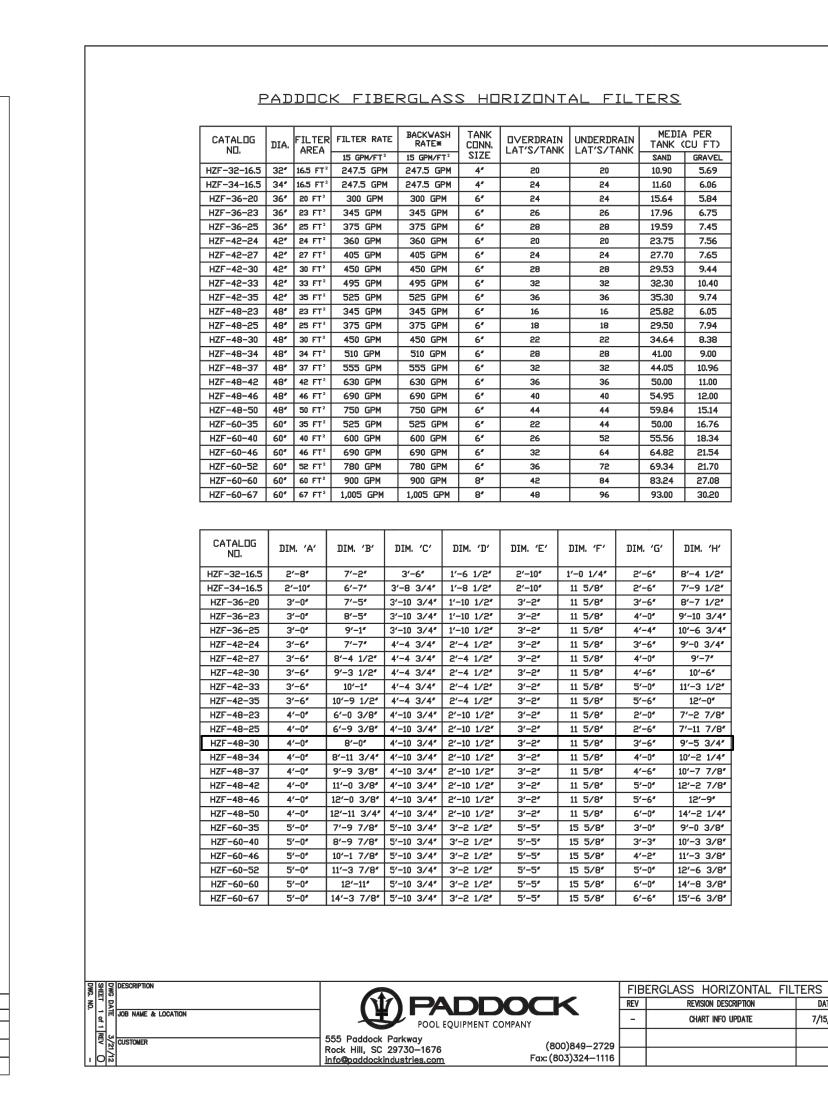
AND GROUNDING EQUIPMENT (NEC 250.8) SHALL BE EMPLOYED TO CONNECT THE 8

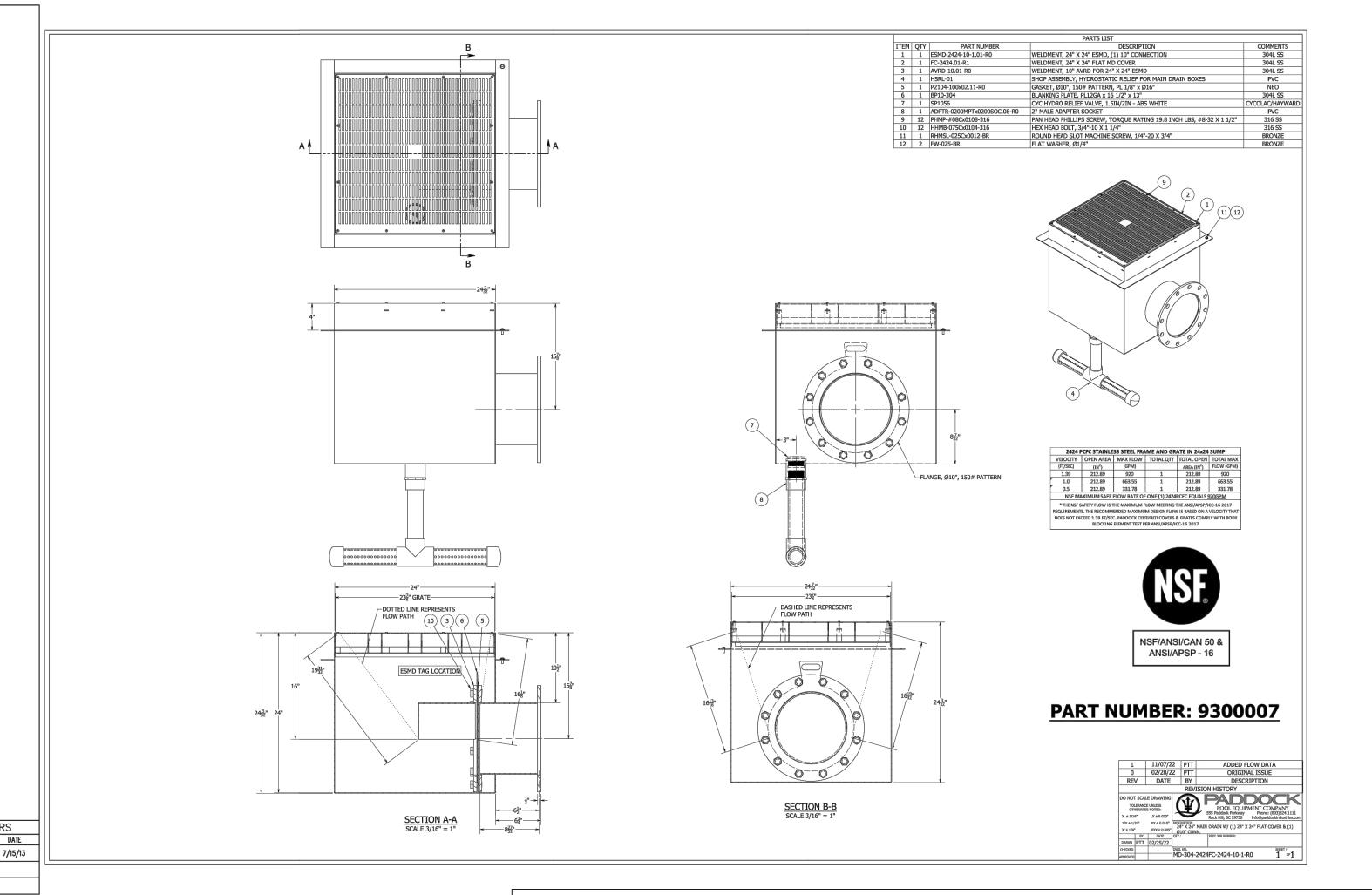
AWG BOND WIRE TO THE WEDGE ANCHOR

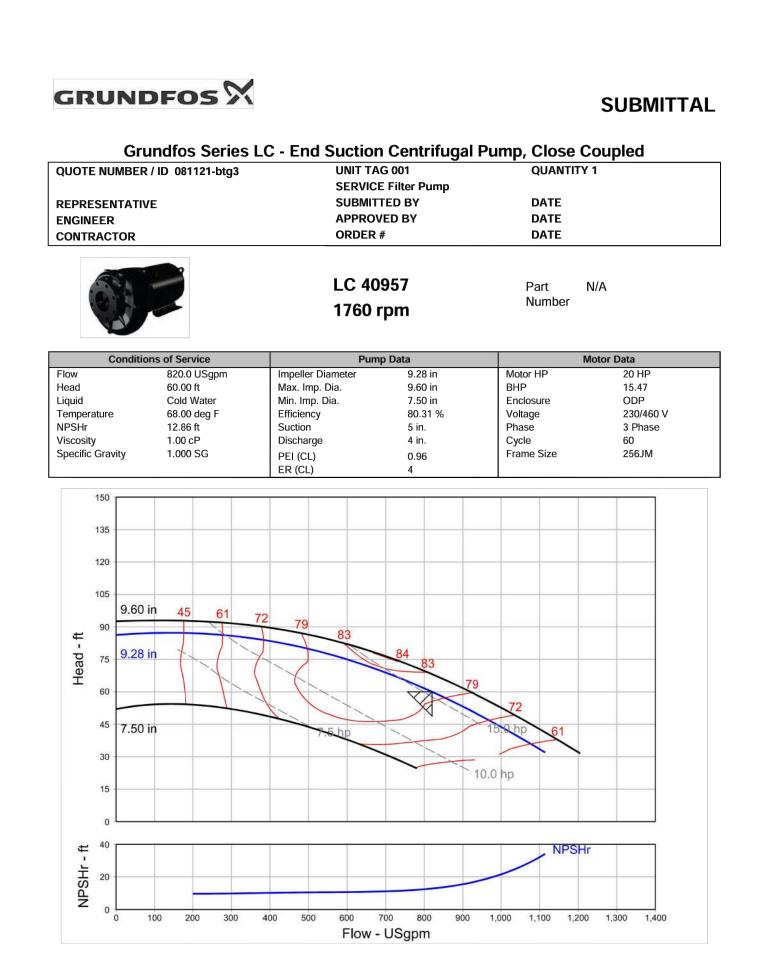


TYPICAL LIGHT DETAIL N.T.S.









VALVE LEGEND

NO. VALVE DESCRIPTION | FILTER | BACKWASH

O-OPEN, X-CLOSED

SIDE ELEVATION

SECTION A-A

TBERGLASS HORIZONTAL FILTERS

REVISION DESCRIPTION

<u>PLAN VIEW</u>

PADDOCK FIBERGLASS HORIZONTAL FILTERS

PADDOCK
POOL EQUIPMENT COMPANY

FIBERGLASS FILTER TANK, WITH FLANGED CONNECTIONS & SADDLES

3 I' AIR KELEASE
4 SCH, 80 PVC DVERDRAIN HEADER WITH 1 1/2" PVC LATERALS
5 SCH, 80 PVC UNDERDRAIN HEADER W/2" NORYL THREADED LATERALS

6 GAUGE PANEL
7 FILTER SAND (.45 TD .55mm) UNIFORMITY COEFFICIENT </= 1.60
8 1/16 TD 1/8 GRAVEL MEDIA
9 FIBERGLASS BAFFLE PLATES

PIPING — SCH. 80 PVC, MAX. VELOCITY LESS THAN 10 FPS. PIPING DEPICTED WITH DASHED LINES NOT SUPPLIED BY PADDOCK.

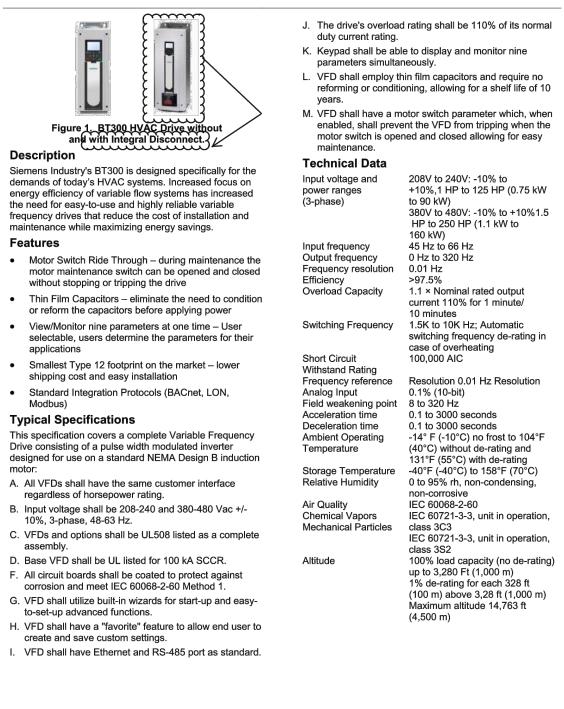
END ELEVATION

SECTION B-B

Rock Hill, SC 29730-1676

GENERAL NOTES:

FILTER WORKING PRESSURE IS 50 PSI.



Submittal Sheet

March 11, 2013

Siemens Industry, Inc.

Document No. 154-126

SIEMENS

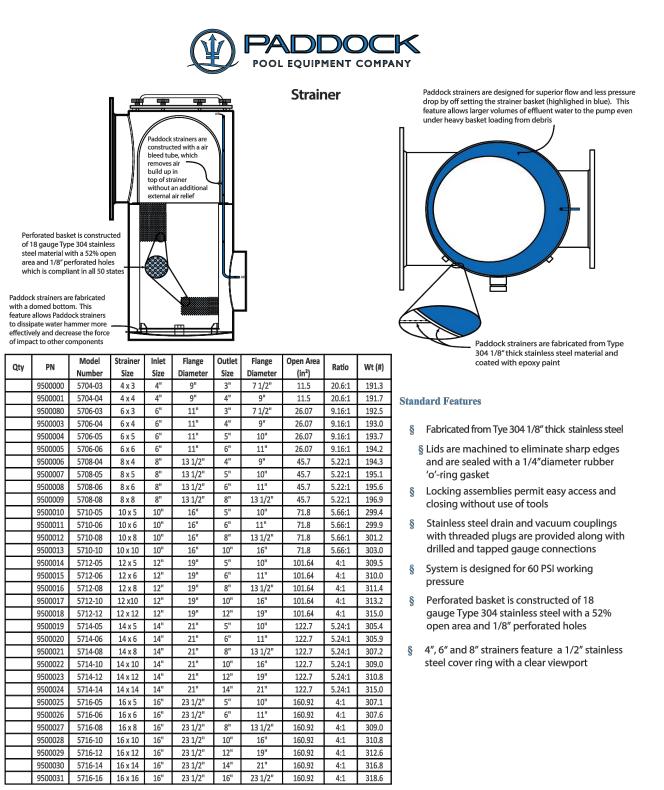
Modbus)

GRUNDFOS X

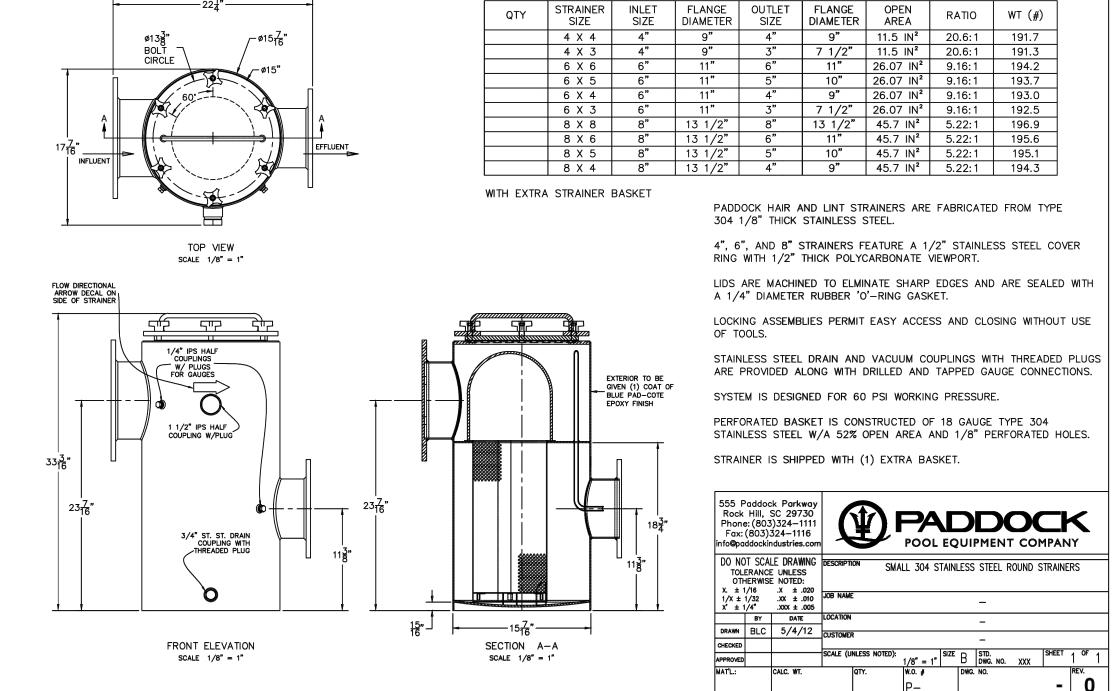
Typical Specifications

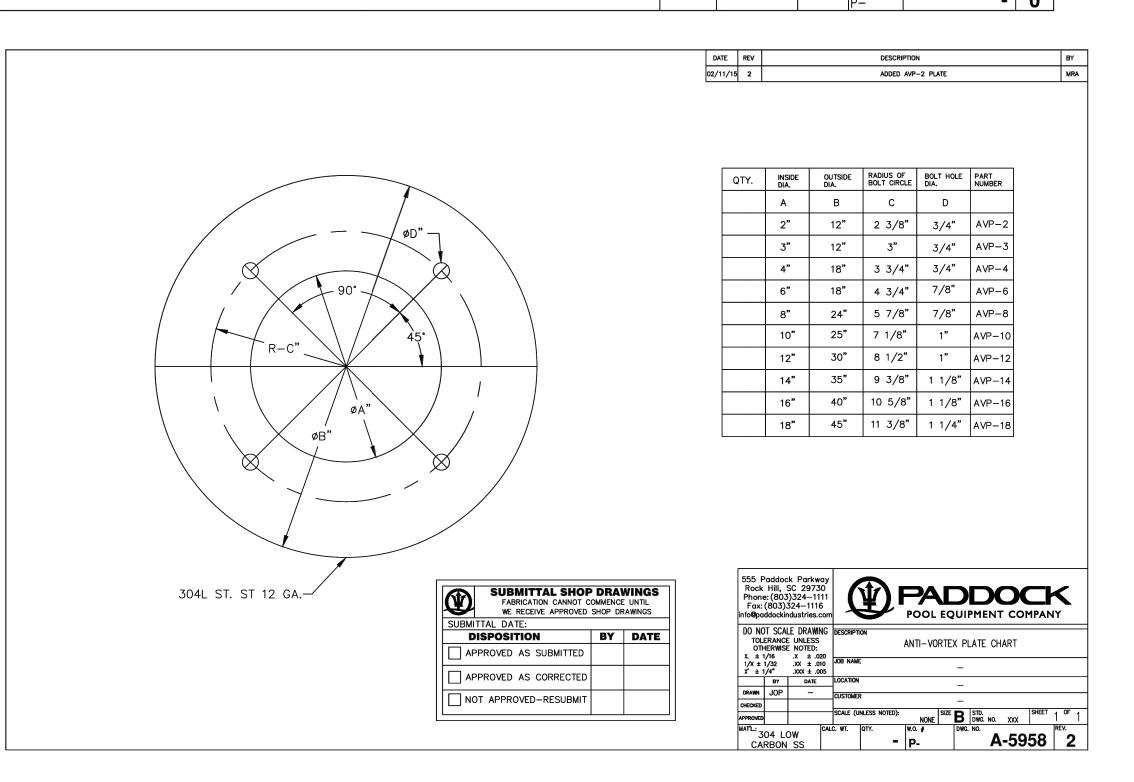
10%, 3-phase, 48-63 Hz.

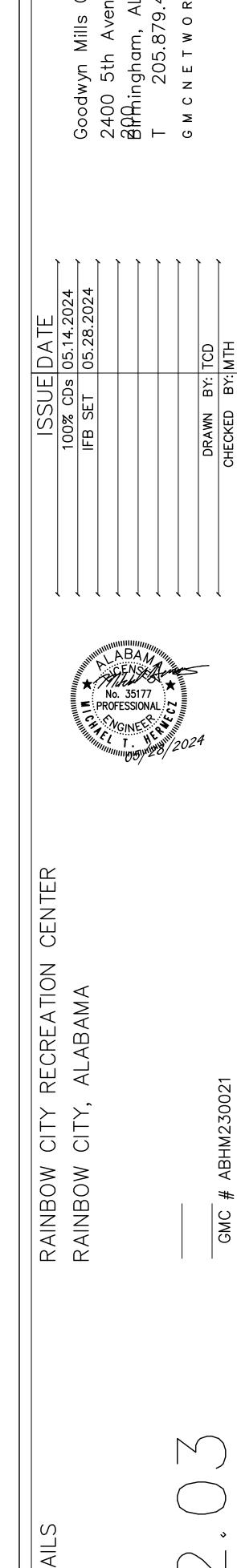
BT300 HVAC Drives



555 Paddock Parkway, Rock Hill, SC 29730 T: 800-849-2729 F: 803-324-1116 www.paddockindustries.com







Stanchion Post OPTIONAL EYE DETAIL ST.ST. TUBE TYPE WALL #4905-R-RECALL #4905-BACKSTROKE EYE DETAIL

Paddock's Backstroke Posts and Recall Posts are fabricated from Type 304 or 316L stainless steel tubing with outside diameter of 1.90" and standard wall thickness .083" (.120" and .145" are also available)

Each post is provided with an eyebolt at the top and a cleat for securing rope.

Posts are held by anchor sockets located in pool bottom and pool deck so they can be removed

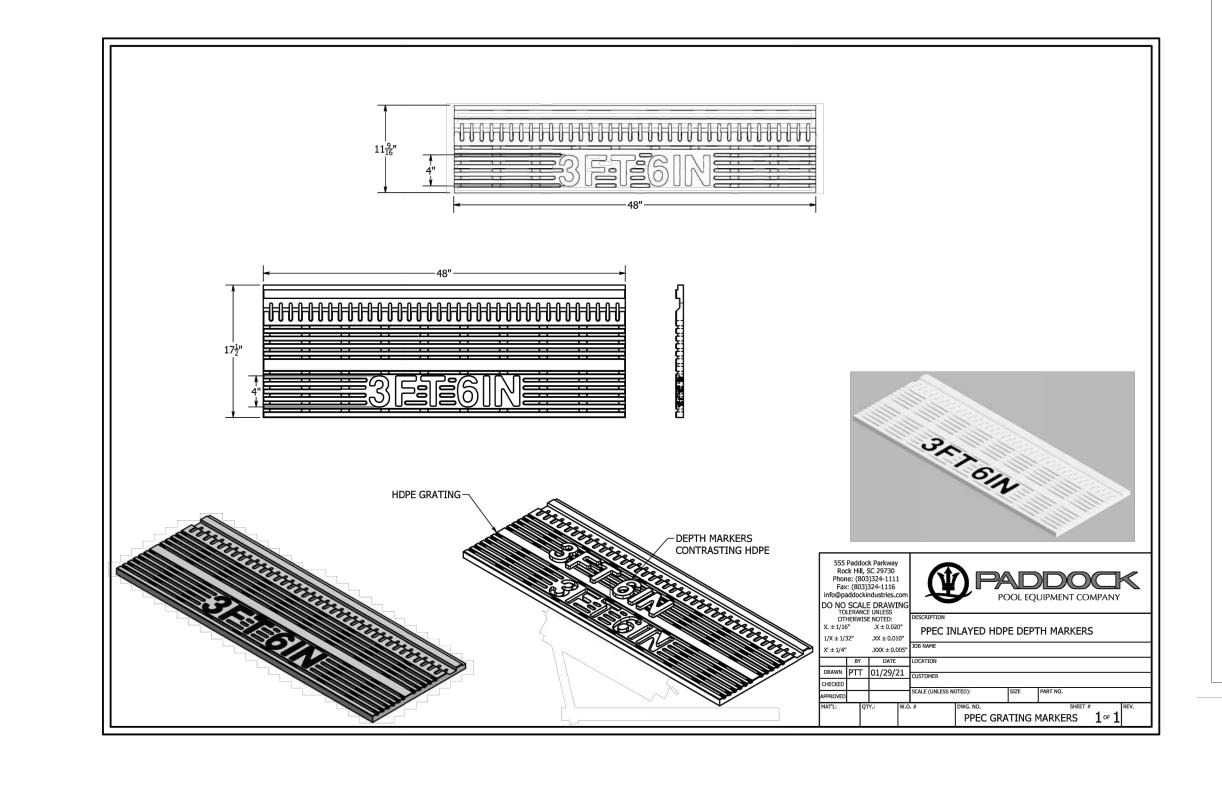
Standard height of backstroke post is 7 feet. Also available in other heights. Standard height of recall post is 5 feet. Also available in other heights. Sliding collar is optional.

_, Model 4905-____, Backstroke Post Height Required ___ FT _____ " OD x _____ " Wall Type_____ Qty _____ P/N _______, Model 4905R-____, Recall Post Height Required ____ FT ______ " OD x ______ " Wall Type_____ Qty _____ P/N 9500043, Model 4905SC, Sliding Collar with Eyebolt Qty _____

P/N ______, Model 4906, Backstroke Pennant Line, 48 Nylon Pennants per 100' Line Qty _____

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HIGH WATER LEVEL
(MIDDLE OF FLOAT TRAVEL)



12
13 4 #10-32 FLATHEAD PHILLIPS X 3/4" LONG ST. ST. SCREWS
14 1 TOGGLE SWITCH-SERVALITE #91088U, 10A, 125VAC, DOUBLE INSULATED

SEE PLUMBING

DRAWINGS

6610-SP WATER LEVEL CONTROL WIRING DIAGRAM & INSTRUCTIONS.

mm

ST. ST. GROUND ROD X 7'-0" LG.

(TRIM IN FIELD TO DESIRED LENGTH) 9

7"-0" LONG ELECTRODES (SUPPLIED)
FIELD CUT TO DESIRED LENGTH
TO ESTABLISH DESIRED WATER LEVEL

8 5/8° O.D. X 50 9/16° LG. PVC 1
HOUSING ACTS AS STILLWELL

INSTRUCTIONS FOR CUTTING PROBES TO ESTABLISH

1. Fill pool water level to just below the rim of gutter on a rimflow pool or below weir slot on a weir pool during quiescent

conditions. There should be no water from coming from the

gutter. Filter will be operating with main drain water only. Adjust main drain valve '1A' & establish Minimum Operating

Level (M.O.L.) at centerline of float valve. Lock valve '1A' at this setting. Set return to pool valve and close perimeter overflow valve to verify main drain setting is correct to provide

Determine Normal Operating Level (N.O.L.). Begin filling pool and bring water up to desired level in pool. Go to filter and note water level in tank. This will be N.O.L.

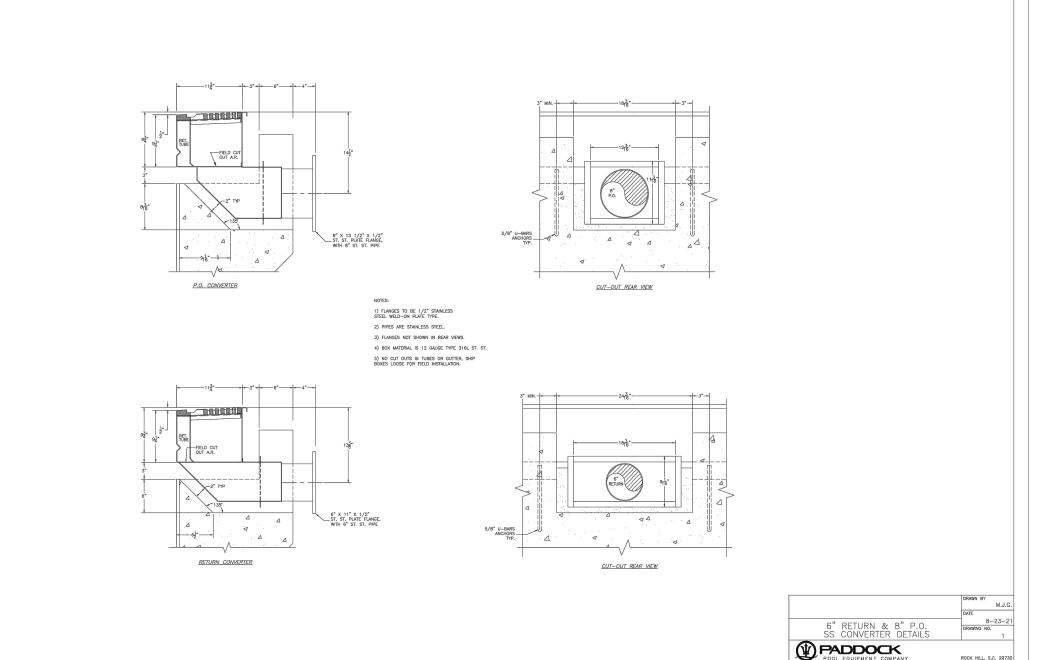
2. Remove electrode holders from the PVC housing. Measure from the top of the filter to the established N.O.L. Subtract 1" and cut off high water probe (3) at that level. This is your high water level and N.O.L.

5. Cut Probe 4 off 4" longer than Probe 3 or the desired low water level.

6. Reinstall electrode holders in the PVC housing.

Connect ground wire⑤ to rod⑸. Reconnect wires⑶&⑷.

The unit should now be ready for automatic operation.



UltraVac Vacuum Cart

The UltraVac can operate in two different modes;

By recicurlating the water through the 100 sq. ft. cartridge you can remove debris being vacuumed out

For removal of large amounts of debris or to avoid clogging the cartridge you can rotate the valve handle to bypass the filter and discharge the water

directly to waste and not return to the pool.

Welded from strong structural steel tubing and powder coated for protection the mobile portion of

this revolutionary cleaning solution is capable of lasting many years even in the most demanding

The 100 Square Foot Element in the filter housing is made from high strength polyester backed up with a sturdy plastic core for years of use. A simple lock-ring arrangement on the filter lid is used to make cleaning

Waterco warrants the UltraVac cart and all of it's

components for a period of 1 year under normal

Sittingbourne, Kent, UK Tel: +44 (0) 1795 521 733

Waterco (NZ) Limited Auckland, New Zealand

16V1167

100

3/4 1-1/2"

Selangor, Malaysia Tel: +60 3 6145 6000

PT Waterco Indonesia Jakarta, Indonesia Tel: +62 21 4585 1481

Guangzhou, China Nehsons Building, Singa Tel: +86 20 3222 2180 Tel: +65 6344 2378

System Operation

1. Filtration Mode:

2. Waste Mode:

Cart Construction

environments. Maintenance

the element quick and easy.

operating conditions.

ter Area (sq feet)

WATERCO

of the pool without losing water.



PROJECT NO. 24162.00

100 Sq. Ft. Elelment Filter

GFCI Switch

Hollow Thread Tire

DISTRIBUTED BY:

Steel Hand Cart

SupaStream 3/4 HP

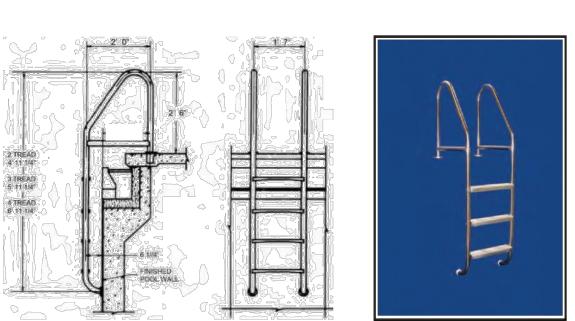
® <u>2</u> = 8

Goodw 2400 BAPhir T

AINBO/ AINBO/

PADDOCK
POOL EQUIPMENT COMPANY





Paddock's **Ladders** are fabricated from Type 304 or 316Lstainless steel tubing with an outside diameter of 1.90" and standard wall thickness of .083". (Outside diameter of 1.5" or wall thickness of .120" is also available.)

Ladder rails are spaced 19" apart with a cross brace for added stability and furnished with slipresistant stainless steel treads.

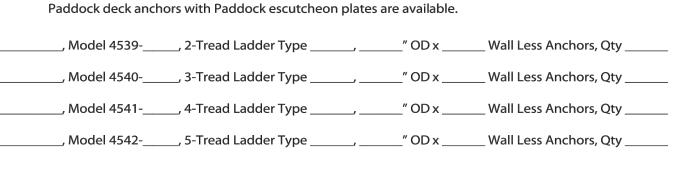
Exposed surfaces shall be polished to a Paddock buff finish.

A rubber bumper on each rail protects the interior pool finish.

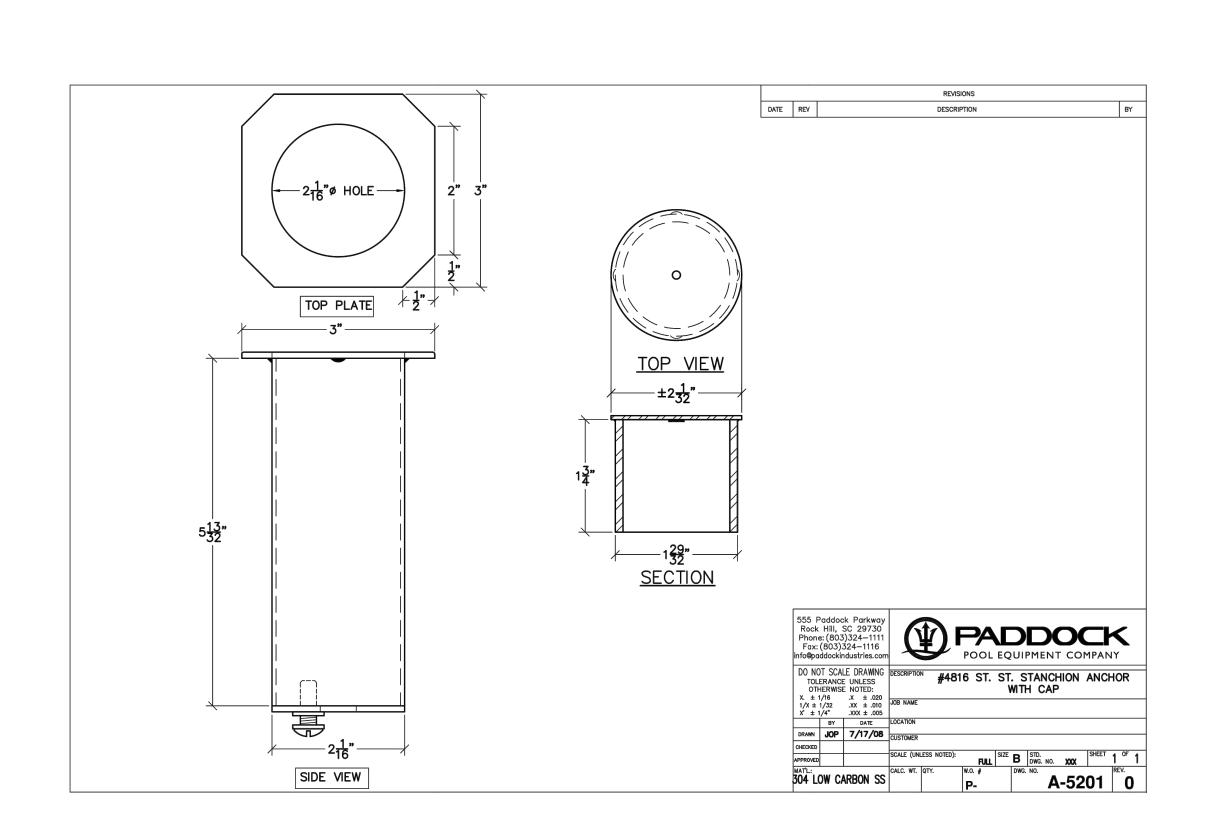
/N	, Model 4539	, 2-Tread Ladder Type,	″ OD x	_ Wall Less Anchors, Qty
/N	_, Model 4540	, 3-Tread Ladder Type,	" OD x	_ Wall Less Anchors, Qty
/N	_, Model 4541	, 4-Tread Ladder Type,	" OD x	_ Wall Less Anchors, Qty
/NI	Model 4E42	E Trood Loddor Troo	" OD v	Wall Loss Anchors Oty

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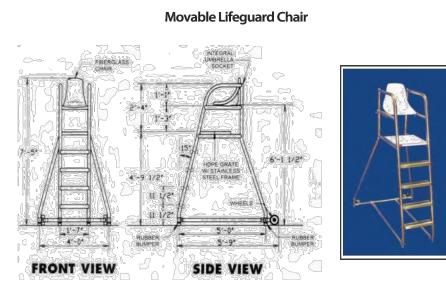








MAX. WATER LEVEL



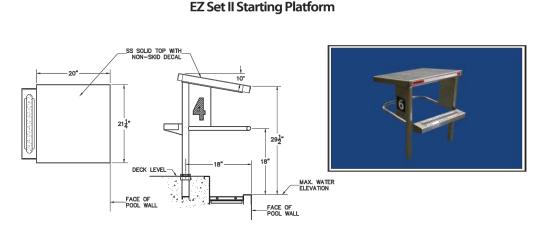
Paddock's Movable Lifeguard Chair features a welded Type 304 or 316L stainless steel frame with a molded fiberglass seat six feet above the pool deck. The rigid 19" wide slip-resistant high density polyethelene platform is reached via a 15 degree sloping ladder with 19" stainless steel treads. Ladder treads shall be stainless steel 19" long x 4" wide with slip-resistant surface. Rubber bumpers protect the deck when the chair is in place. Wheels secured to the frame allow for easy positioning at various poolside locations. An umbrella socket on one side behind the seat is an integral part of the chair frame. There is a "J" hook on each rear upright for the Life Ring & Rope. P/N 9400062, Model 4707-6, Type 304, Qty _____

P/N 9400063, Model 4707-6, Type 316L, Qty _____

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PADDOCK



Paddock's EZ Set II Starting Platform is quickly and easily removable. Platform shall be rear mounted and have a 20" wide x 21 1/4" long top. Flush with the front edge of the platform is a backstroke starting bar. A mounting tread shall be positioned off the rear legs. Tread shall have a deeply formed integral, slip resistant surface firmly attached to the legs by welded stainless steel gussets. At each side of the platform, attached to the legs, shall be a stainless steel plate on which the lane number is displayed with a 4" standard numeral. Top of starting platform shall be with a non-slip solid surface. Colors, custom logos and vertical backstroke grips are available as options. 4909-A anchors with 19" spacing are sold separately.

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Also available in Long Reach with 24" Setback St. St. Type _____ Qty _____

4909-S EZ Set II Starting Platform St. St. Type_____ Qty ____

