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LAQUNTA INN WEST MONROE SWIMMING POOL

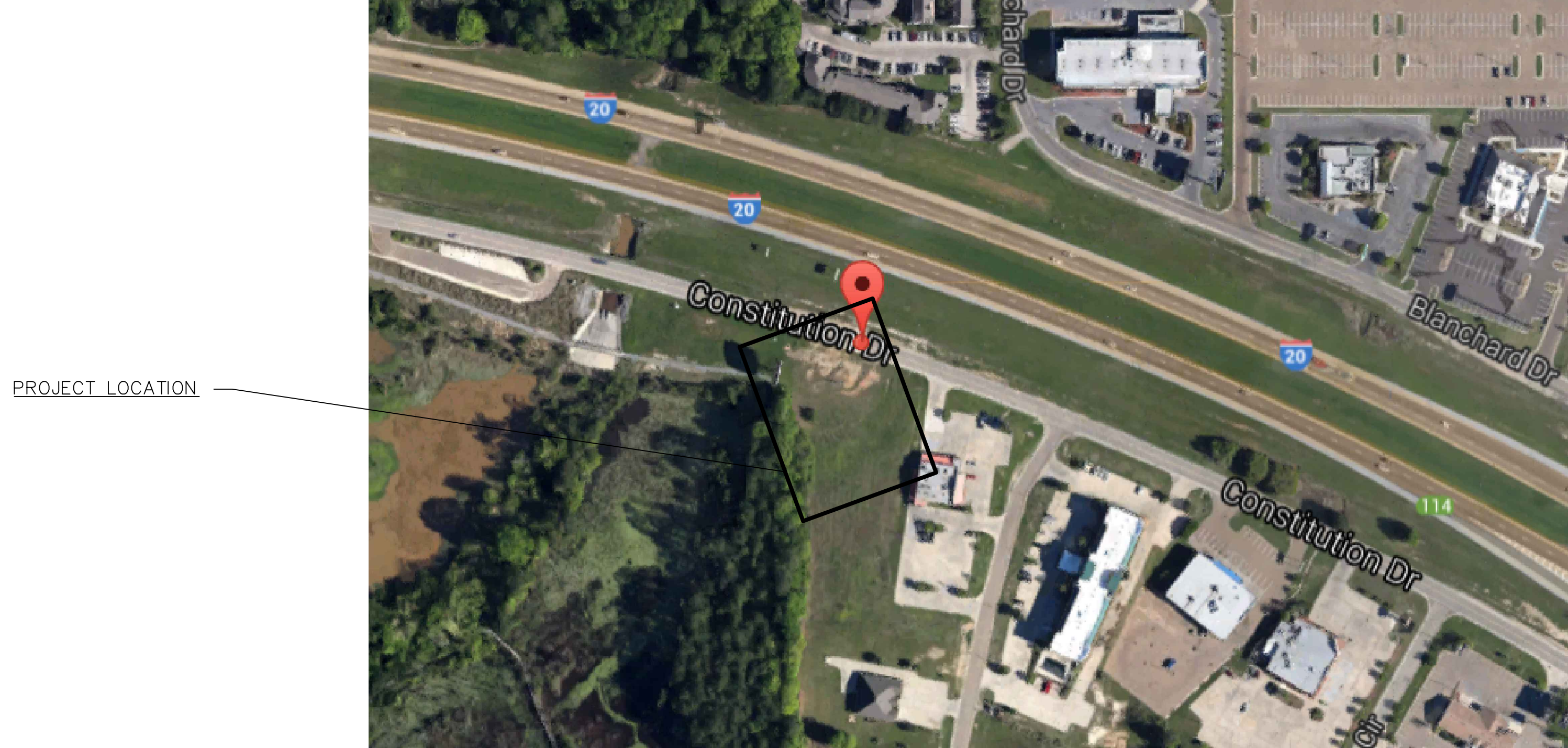
507 CONSTITUTION DRIVE
WEST MONROE, LOUISIANA 71292

SQUARE FOOTAGE	
MAIN POOL AREA	763 SF
DECK AREA	1,767 SF
POOL PERIMETER	125 LF

REVISION	BY
PRELIMINARY	<input type="checkbox"/>
BIDDING	<input type="checkbox"/>
CONSTRUCTION	<input checked="" type="checkbox"/>



LOUISIANA
 PREPARED FOR:
 LAQUNTA INN WEST MONROE
 CLASS "C" SWIMMING POOL
 507 CONSTITUTION DRIVE
 WEST MONROE,



PROJECT LOCATION

MAIN POOL CIRCULATION SYSTEM:
 CLASS: PUBLIC CLASS "C" SWIMMING POOL
 POOL SHAPE: RECTANGULAR
 CAPACITY: 95
 MAIN POOL AREA SQUARE FOOTAGE: 763 S.F.
 POOL VOLUME: 25,683 GALLONS
 SYSTEM OPERATING POINT: 5.1 HR TURNOVER, 84 GPM, 30' TDH
 TOTAL AREA OF DECK: 1,767 S.F.

LIFESAVING EQUIPMENT REQUIREMENTS:
 1. A LIGHT, STRONG POLE NOT LESS THAN 12' LONG, INCLUDING A BODY HOOK.
 2. A MINIMUM 1/2" DIAMETER THROWING ROPE AS LONG AS 1 1/2 THE LONGEST DIMENSION OF THE POOL OR 50', WHICHEVER IS LESS, TO WHICH A RING BUOY HAS BEEN ATTACHED WITH AN OUTSIDE DIAMETER OF APPROXIMATELY 15" OR A SIMILAR FLOTATION DEVICE.
 3. TELEPHONE WITH POSTED NAMES AND PHONE NUMBERS OF THE NEAREST POLICE, FIRE, AMBULANCE SERVICE, AND/OR RESCUE UNIT, AND 911 IF AVAILABLE.

POOL NOTES:
 1. INLAID TILE DEPTH MARKERS WILL BE INSTALLED IN THE DECK WITH A "NO DIVING" SIGN AT THE POOL INTERFACE.
 2. POOL SURFACE WILL BE PLASTERED WITH A WHITE DIAMONDBRITE FINISH
 3. PROJECT DEVELOPER TO PROVIDE ELECTRICAL, SANITARY SEWER PIPE FOR BACKWASH OF FILTER, AND WATER LINE WITH A HOSE BIB AND VACUUM BREAKER FOR WASHING OF THE DECK.
 4. MAXIMUM ALLOWABLE FLOWRATE FOR THIS POOL LAYOUT IS 90 GPM.

VIRGINIA GRAEME BAKER ACT:
 1. SEE EQUIPMENT LIST FOR PROPOSED MAIN DRAIN COVER.
 2. OPTION 1 FOR COMPLIANCE: MAIN DRAINS MUST BE INSTALLED WITH AN UNBLOCKABLE COVER A MINIMUM OF 3'-0" APART.
 3. OPTION 2 FOR COMPLIANCE: A SINGLE MAIN DRAIN MAY BE INSTALLED ALONG WITH A SAFETY VACUUM RELEASE SYSTEM INSTALLED TO AUTOMATICALLY SHUT DOWN THE PUMP IN THE CASE OF A BLOCKAGE.

CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE ENGINEER OF RECORD FOR FINAL INSPECTION AND TO RECEIVE THE CERTIFICATE OF COMPLETION TO BE TURNED IN TO THE APPROPRIATE AUTHORITIES BEFORE OCCUPYING THE POOL

EQUIPMENT LISTS/NOTES (TOTAL AMOUNT FOR ALL SYSTEMS):
 PUMP: (1) HAYWARD SP3400VSP (CAPACITY 170 GPM, 32' TDH)
 FILTER: (1) HAYWARD HCF362T COMMERCIAL SAND FILTERS (102 GPM, 7.2 SQ.FT.)
 AUTOMATIC POOL FILLER: (1) LX2 STAND FILLER
 SKIMMER: (4) HAYWARD SP1070FVEKIT (55 GPM PER SKIMMER, KIT INCLUDES EQUALIZER)
 AUTOMATIC CHEMICAL DISPENSER (pH CONTROL):
 1. CONTROLLER: HAYWARD HCC2000 PH/ORP
 2. CHLORINE PUMP/TANK: HAYWARD PTC30 KIT
 3. ACID PUMP/TANK: HAYWARD PTC30 KIT
 MAIN DRAINS: (2) HAYWARD 9"x9" DRAIN COVERS MODEL WG1031 (89.1 GPM EACH)
 (2) HAYWARD SP1062A1 SUMPS

NOTE: DRAINS NOT CONSTRUCTED OF SHINY METAL SHALL BE MARKED WITH A DARK COLORED CIRCLE, AND MUST BE A MINIMUM OF 3'-0" APART.

FENCING OR BARRIERS:
 POOLS SHALL BE PROTECTED BY A FENCE, WALL, BUILDING, OR ENCLOSURE OF DURABLE MATERIAL OF WHICH THE POOL ITSELF MAY BE CONSTRUCTED, OR ANY COMBINATION THEREOF. NATURAL OR ARTIFICIAL BARRIERS SHALL BE PROVIDED AS TO AFFORD NO EXTERNAL HANDHOLDS OR FOOTHOLDS. THEY MUST BE AT LEAST 4 FEET IN HEIGHT AND EQUIPPED WITH A SELF CLOSING AND SELF LATCHING MECHANISM AT A MAXIMUM HEIGHT OF 48" ABOVE THE GROUND AND BE PROVIDED WITH HARDWARE FOR LOCKING AS PER IBC 2012.

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SHEET CS
OF 7 SHEETS

GENERAL
 THE SWIMMING POOL CONTRACTOR SHALL FURNISH COMPLETE SWIMMING POOL TO CONFORM TO THE BASIC SHAPE OF THE POOL SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY SUBMITTALS AND SECURE APPROVAL FROM ALL REGULATORY AGENCIES. THE CONTRACTOR SHALL PAY ALL APPLICABLE SERVICE CHARGES, FEES, PERMITS, ROYALTIES, TAXES AND INSURANCE OR OTHER COSTS AS REQUIRED FOR THE WORK TO BE PERFORMED UNDER THIS SECTION.

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF APPLICABLE STATE, COUNTY AND CITY CODES, LAWS AND ORDINANCES, RULES AND REGULATIONS OF THE HEALTH DEPARTMENT AND THE INTERPRETATION OF SAME BY THE ADMINISTRATIVE AND REGULATORY AUTHORITIES HAVING JURISDICTION. BRING TO THE ATTENTION OF THE ENGINEER DISCREPANCIES BETWEEN THE DRAWINGS AND APPLICABLE CODES PRIOR TO BID. EXTRAS WILL NOT BE ALLOWED FOR SUCH DISCREPANCIES AFTER BID. FURNISH ALL LABOR, TOOLS, EQUIPMENT, APPLIANCES, TRANSPORTATION, SCAFFOLDING, SERVICES, SUPERVISION, INSTRUCTIONS AND PERFORM ALL OPERATIONS REQUIRED TO COMPLETE ALL SWIMMING POOL WORK IN ACCORDANCE WITH INTENT OF THE PLANS AND SPECIFICATIONS.

SCOPE

WORK UNDER THIS SECTION INCLUDES BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING:

- TRENCHING, EXCAVATION AND BACK FILL REQUIRED FOR SWIMMING POOL WORK.
- FILTRATION PLANT COMPLETE WITH ALL DEVICES.
- ALL POOL FITTINGS AND DECK EQUIPMENT.
- ALL PIPING CONNECTING THE FILTER PLANT WITH THE POOL FITTINGS.
- POOL SHELL, INCLUDING INTERIOR FINISH, COPING, OR GUTTER AS REQUIRED ON THE DRAWINGS.
- INTERIOR POOL AND SPA FINISH TO BE AS LISTED IN THE FINISH SCHEDULE.
- LIFESAVING EQUIPMENT AS HEREINAFTER ENUMERATED.
- DEPTH MARKERS ON DECK AND WALLS OF POOL AS SPECIFIED.
- EVERYTHING NECESSARY FOR A COMPLETE AND SATISFACTORY SWIMMING POOL INSTALLATION, INCLUDING ANY NECESSARY PARTS, DEVICES AND ACCESSORIES THAT MAY BE REQUIRED TO SATISFACTORILY COMPLETE THE INSTALLATION. SPECIAL EXTENSIONS OF UTILITIES REQUIRED BY POOL CONTRACTOR WILL BE PROVIDED BY POOL CONTRACTOR AT HIS EXPENSE.

ANY ITEMS OF EQUIPMENT OF NATURE OF WORK PERTAINING TO SWIMMING POOL WORK ON THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL OR MECHANICAL DRAWINGS, OR CALLED FOR UNDER THOSE DIVISIONS OF THE SPECIFICATIONS WILL BE PROVIDED BY THIS CONTRACTOR COMPLETE.

WORK BY OTHERS

WORK BY PLUMBING CONTRACTOR

THE MECHANICAL CONTRACTOR WILL PROVIDE DOMESTIC WATER EXTENSION TO POOL EQUIPMENT ROOM FOR POOL CONTRACTOR CONNECTION.

WORK BY ELECTRICAL CONTRACTOR

THE ELECTRICAL CONTRACTOR WILL PROVIDE POWER WIRING AND APPROPRIATE DISCONNECT DEVICE FOR POOL CIRCULATING PUMP. STARTER WITH PUSH BUTTON STATION SHALL BE PROVIDED, FOR ELECTRICAL CONTRACTORS INSTALLATION, BY THE SWIMMING POOL CONTRACTOR. THE ELECTRICAL CONTRACTOR WILL PROVIDE POWER WIRING AND APPROPRIATE DISCONNECT DEVICE FOR FILTER PLANT DISINFECTING EQUIPMENT, AS REQUIRED. THE ELECTRICAL CONTRACTOR WILL PROVIDE POWER WIRING FOR TRANSFORMER AND UNDERWATER LIGHTS AND GROUND LIGHTS, PROVIDED BY THE POOL CONTRACTOR. THE ELECTRICAL CONTRACTOR WILL PROVIDE GROUNDING FOR ALL METAL NON CURRENT CARRYING PORTION OF THE POOL CONST.

PORTABLE EQUIPMENT

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PORTABLE AND DETACHABLE PORTIONS OF THE INSTALLATION UNTIL COMPLETION OF THE WORK AND SHALL THEN TURN THEM OVER TO THE OWNER. FURNISH AN ITEMIZED RECEIPT TO OWNERS REPRESENTATIVE.

EXCAVATION AND FILL

ELEVATIONS AND DEPTHS INDICATED ON THE PLANS SHALL BE USED IN COMPUTING THE QUANTITIES OF EXCAVATION OR FILL REQUIRED OF THE CONTRACTOR, AND IS BASED ON HAND PLACED CONCRETE FOR THE POOL SHELL. REMOVE ALL SURPLUS MATERIALS FROM THE SITE OR DISPOSE OF AS DIRECTED BY THE OWNERS REPRESENTATIVE. ALL EXCAVATIONS SHALL BE ADEQUATELY BRACED AND SHORED AND SHALL BE KEPT DRY. USE CLEAN, SHARP SAND OR COMPACTED GOOD CLAY EARTH FOR BACK FILL.

SUPPORTS

PROVIDE ALL STEEL FRAME SUPPORTS, INSERTS, ANCHOR BOLTS, SLEEVES, HANGER MATERIALS, ETC., FOR THE ADEQUATE AND SAFE SUPPORT OF PIPING AND EQUIPMENT.

BASE

PROVIDE VIBRATION ISOLATION BASES AND ELEMENTS FOR EQUIPMENT NECESSARY.

CONCRETE

THE CONCRETE MIX SHALL BE DESIGNED TO PRODUCE CONCRETE HAVING A MIN. COMPRESSIVE STRENGTH OF 3500 PSI.

PREP CONCRETE

THE CONTRACTOR SHALL INSTALL ALL SPECIAL POOL AND DECK FITTINGS, DECK RECEPTACLES AND MOUNTING RINGS FOR UNDERWATER LIGHT AND ANCHORS PRIOR TO BEGINNING CONCRETING OPERATIONS.

NO SPECIAL TOPPING

NO SPECIAL CONCRETE OR CEMENT MORTAR TOPPING COURSE SHALL BE USED FOR THE FLOOR FINISH. THE FLOOR SHALL BE BROUGHT TO A TRUE AND EVEN SURFACE BY HAND FLOATING. CARE SHALL BE TAKEN THAT NO EXCESS WATER IS PRESENT DURING FINISHING.

FINISH PREP

CLEAN INTERIOR SURFACES OF THE POOL OF DUST, OIL, PAINT, OR OTHER LOOSE MATERIAL BEFORE APPLICATION OF FINISH COATS.

PROTECTION

NO PLASTER COAT SHALL BE APPLIED DURING RAIN OR HIGH WIND AND ANY SUCH MATERIAL THAT HAS BEEN NEWLY PLACE SHALL BE PROTECTED BY CANVAS OR OTHER COVERING UNTIL THE SURFACE HAS SET.

FILL POOL

AFTER THE FINISH COAT HAS DRIED SUFFICIENTLY, THE POOL SHALL BE GRADUALLY FILLED WITH WATER, FLOWING CONTINUOUSLY TO ELIMINATE DIRT RINGS. DURING EXTREMELY HOT WEATHER, THE POOL WALLS SHALL BE KEPT CONTINUOUSLY WET WHILE THE POOL IS FILLING.

TILE

ONE ROW OF 6" CERAMIC TILE SHALL BE INSTALLED ON THE POOL WALL AT THE WATER LEVEL AS SHOWN ON THE CONSTRUCTION PLANS

DEPTH MARKER

PERMANENT DEPTH MARKER SHALL BE PROVIDED ON THE POOL DECK AND WALLS AT CHANGE IN DEPTH. AS SHOWN ON THE DRAWINGS. DEPTH SHALL BE IN FEET AND PLAINLY CONSPICUOUSLY MARKED AT OR ABOVE THE WATERLINE ON THE VERTICAL POOL WALL AND ON TOP OF THE COPING. MARKER IN DECK SHALL BE POSITIONED TO BE READ WHILE STANDING FACING THE WATER. MARKERS SHALL BE WITHIN 18" OF THE WATERS EDGE. MARKERS SHALL BE SLIP-RESISTING. MARKERS SHALL BE INSTALLED AT THE MAXIMUM AND MINIMUM WATER DEPTH AND AT ALL SLOPE CHANGES. MARKERS SHALL BE INSTALLED AT INTERMEDIATE INCREMENTS OF WATER DEPTH NOT TO EXCEED 2', NOR SPACED AT GREATER DISTANCES GREATER THAN 25' INTERVALS. MARKERS SHALL BE ARRANGED UNIFORMLY ON BOTH SIDES AND ENDS OF POOL.. MARKERS SHALL HAVE A 4" MINIMUM HEIGHT. NUMBERS SHALL BE OF CONTRASTING COLOR TO THE BACKGROUND ON WHICH THEY ARE APPLIED AND COLOR SHALL BE OF A PERMANENT NATURE.

POOL FILL

POOL FILLS SHALL BE AS SHOWN ON THESE DRAWINGS AND SHALL BE INSTALLED SUCH AS NOT TO REQUIRE A BACK FLOW PREVENTER.

POOL PIPE

PIPING AND FITTINGS USED IN VACUUM LINES, RECALCULATING LINES AND DRAIN LINES FOR THE POOL SHALL BE SCHEDULE 40 PVC APPROVED BY THE NATIONAL SANITATION FOUNDATION FOR PORTABLE WATER SERVICE.

FILTER PLANT

FURNISH AND INSTALL THE COMPLETE FILTER PLANT CONSISTING OF COMPLETE FILTER TANK, FILTER MEDIA (SAND), CIRCULATING PUMP AND MOTOR, DISINFECTING MEDIA, FACE PIPING, NECESSARY GAGES, VALVES, AND ALL OTHER APPURTENANCES AND DEVICES NECESSARY FOR A COMPLETE SYSTEM. THE FILTRATION SYSTEM SHALL BE OF THE HI-RATE SAND. THE FILTRATION SYSTEM SHALL BE CAPABLE OF A COMPLETE WATER VOLUME TURNOVER IN 8 HOURS OR LESS OR BETTER AS REQUIRED BY LOCAL CODES.

PUMP

THE POOL PUMP SHALL BE OF CENTRIFUGAL, END SUCTION, TOP DISCHARGE, SELF PRIMING TYPE. THE PUMP SHALL HAVE MECHANICAL SEALS. PUMP SIZING AS PER PLANS. THE MOTOR FRAME SHALL BE NAME TYPE C WITH DRIP PROOF ENCLOSURE FOR CLOSE COUPLED MOUNTING DIRECTLY TO THE PUMP. THIS STARTER SHALL BE PROPERLY SIZED AND SHALL BE OF MAGNETIC, FULL VOLTAGE, SINGLE SPEED, NON-REVERSING TYPE WITH PUSH BUTTON CONTROL. THE STARTER SHALL PROVIDE BOTH LOW VOLTAGE AND OVERLOAD PROTECTION FOR EACH PHASE. THE STARTER SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR. THE PUMP MUST BE EQUIPPED WITH A BOLT-ON HAIR AND LINT STRAINER THAT COMPLIES WITH THE SPECIFICATIONS THAT FOLLOW. ISOLATION VALVES MUST BE INSTALLED TO ALLOW THE STRAINER TO BE OPENED WITHOUT LOSING PRIME TO THE PUMP.

VALVES

VALVES FOR POOL PIPING SHALL BE OF THE BALL TYPE SUITABLE FOR 150 PSI WORKING WATER PRESSURE AND SUITED TO THE PIPING MATERIAL IN WHICH IT IS INSTALLED. ALL VALVES SHALL BE TAGGED WITH PERMANENT NUMBERED IDENTIFICATION TAGS THAT RELATE TO OPERATING INSTRUCTIONS.

FINISH COAT

FINISH COAT FOR THE POOL AND SPA SHALL BE FINISHED WITH A WHITE DIAMONDBRITE, AND INSTALLED PER MANUFACTURERS SPECIFICATIONS

MAIN DRAINS

THE MAIN DRAINS SHALL BE PLACED IN THE DEEPEST PART OF THE POOL. THE DRAIN SHALL BE CYCOLAC CONSTRUCTION, WITH A HYDROSTATIC RELIEF VALVE BUILT IN. DRAINS ARE TO BE PLACED AT A MINIMUM OF 3' APART AND COMPLY WITH THE VIRGINIA GRAHAM BAKER ACT.

INLETS

THE INLET FITTINGS SHALL BE OF CYCOLAC CONSTRUCTION, WITH ADJUSTABLE FLOW.

SKIMMERS

SKIMMERS SHALL BE OF ABS PLASTIC CONSTRUCTION WITH BASKET AND OF A DESIGN TO RECEIVE VACUUM HOSE. THE SKIMMERS SHALL BE CAPABLE OF 80% OF THE TOTAL FLOW. SKIMMERS WILL BE USED UP TO THE MAXIMUM AREA ALLOWED BY THE LOCAL CODES.

VACUUM CLEANER

FURNISH VACUUM HEAD, HOSE AND HANDLE. CLEANING EQUIPMENT SHALL INCLUDE WALL BRUSH AND LEAF SKIMMER.

UNDER WATER LIGHTING

THE POOL LIGHTS SHALL BE FOR OPERATION UNDER WATER ONLY AND SHALL BE COMPROMISED OF A WATERTIGHT FIXTURE MOUNTED IN A WET NICHE AT DEPTHS 18" TO 36" BELOW THE WATER LINE. THE LENS TO BE CLEAR HEAT RESISTANT GLASS WITH A 30 DEGREE HORIZONTAL ARC AND A 15 DEGREE DOWNWARD DEFLECTION. THE LENS SHALL BE SEALED WITH HEAT AND AGE RESISTING SYNTHETIC RUBBER GASKET. A PORCELAIN MEDIUM BASE SOCKET WITH TWO TERMINALS SHALL BE ENCAPSULATED TO WATER PROOF ALL CONNECTIONS. THE BULB SHALL BE MEDIUM BASE, 500 WATTS 12 VOLT FLOOD, PROVIDED WITH A # 10 WIRE CORD OF ADEQUATE LENGTH. THE FIXTURE HOUSING SHALL BE STAINLESS STEEL WITH CHROME PLATED COUNTING RING AND CORROSION RESISTANT SCREWS. UNIT TO BE SUITABLE FOR INSTALLATION IN CONCRETE WALL.

JUNCTION BOX SHALL BE OF THE INVERTED COVER DESIGN ALL BRASS CONSTRUCTION. THE TRANSFORMER SHALL BE 120 V TO 12V WITH 13 AND 14 VOLT TAPS. THE TRANSFORMERS SHALL BE UL APPROVED FOR UNDERWATER LIGHTS. ALL MATERIALS AND INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF N.E.C. ARTICLE 680. LIGHTING LEVER TO BE MINIMUM OF 0.7 WATTS SQUARE FOOT SO POOL SURFACE AREA.

LIFE LINE

A LIFE LINE WHERE REQUIRED, SHALL BE INSTALLED. THE LIFE LINE SHALL BE 3/4 NYLON, WITH 5" X 9" COLORED FLOATS AT 5' ON CENTER AND CAST BRONZE CHROME PLATED ROPE HOOK AT EACH END. THE ROPE HOOKS SHALL BE ANCHORED TO A ROPE CUP ANCHOR CONSTRUCTED OF ABS PLASTIC WITH A STAINLESS STEEL PIN.

LIFE SAVING

LIFE SAVING EQUIPMENT SHALL CONFIRM WITH PART 24 OD LA STATE SANITARY CODE, SECTION 703 & 733. TWO RING BUOY LIFE PRESERVERS 20" IN DIAMETER AND ONE LIFE HOOK WITH HANDLE (MIN. 12 FT. LONG) CAPABLE OF REACHING ANY POINT IN THE POOL FROM THE DECK. THIS EQUIPMENT SHALL BE MOUNTED IN A CONSPICUOUS LOCATION. A TELEPHONE WITH POSTED NAMES AND PHONE NUMBERS OF NEAREST POLICE, FIRE, AMBULANCE AND/OR RESCUE UNIT, AND 911, IF AVAILABLE. ONE ELEVATED LIFEGUARD CHAIR PER EACH 3,000 SF OF POOL AREA. A FIRST-AID KIT COMPLETELY EQUIPPED SHALL BE PROVIDED FOR EMERGENCY USE.

CHEMICAL FEED

ALL OUTDOOR POOLS AND SPA SHALL BE TREATED WITH CHLORINE. ALL INDOOR (OR PARTIALLY INDOOR) POOLS AND SPAS SHALL BE TREATED WITH BROMINE. THE BROMINE/CHLORINE FEED APPARATUS SHALL BE AS LISTED IN THE EQUIPMENT SCHEDULE. FEEDER SHALL BE FLOW THROUGH TYPE NSF APPROVED. THIS UNIT TO USE A STABILIZER, SUPER SOLUBLE BROMINE/CHLORINE IN SOLID FORM. WHERE THIS DEVICE IS NOT APPROVED A NSF APPROVED POSITIVE DISPLACEMENT CHEMICAL FEEDER MAY BE USED. A SOLUTION CROCK MADE OF FIBERGLASS SHALL BE PROVIDED TO HOLD A SOLUTION SUITABLE FOR SEVEN DAYS OF OPERATION. WHEN POSITIVE DISPLACEMENT FEEDERS ARE USED, THE OWNER AND OR OPERATOR SHALL BE INSTRUCTED TO ALWAYS USE A SOLUBLE STABILIZED BROMINE COMPOUND.

TEST EQUIPMENT

A COMPLETE TEXT KIT SHALL BE FURNISHED TO TEST BROMINE/CHLORINE RESIDUAL (SEE CHEMICAL FEED SECTION), PHI LEVEL, ACID DEMAND AND TOTAL ALKALINITY.

TEST

THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, INSTRUMENTS OR OTHER SERVICES REQUIRED FOR THE COMPLETE AND SATISFACTORY TEST AND ADJUSTMENT OF ALL SWIMMING POOL EQUIPMENT. TEST ALL PIPING WITH WATER PRESSURE 24 HOURS, REPAIR ANY LEAKS, TEST AGAIN BEFORE BURIAL OR CONCEALMENT.

CERTIFICATE OF INSPECTION

THE CONTRACTOR SHALL DELIVER TO THE ENGINEER A CERTIFICATE OF INSPECTION AND ACCEPTANCE OF THE WORK BY THE APPROPRIATE AUTHORITIES FOR THE SYSTEMS INVOLVED.

RULE SIGN

THE CONTRACTOR SHALL PROVIDE A 4'X 3' X 3/4" EXTERIOR PLYWOOD PANEL "A" GRADE. ONE SIDE PAINTED WHITE SUITABLE AS SIGN FOR POSTING THE POOL REGULATIONS. THIS SIGN IS TO BE MOUNTED ON THE POOL FENCE OR ON SUITABLE POST IN THE POOL AREA. TIP OF SIGN TO BE 4' ABOVE GRADE.

INSTRUCTIONS TO OWNER

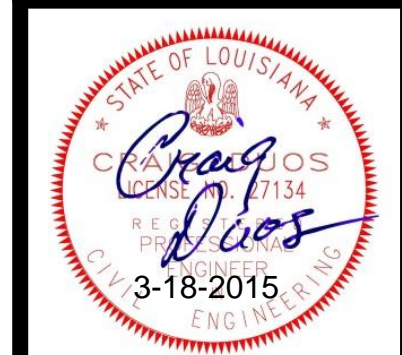
THIS CONTRACTOR SHALL SUPPLY THREE COPIES OF PRINTED INSTRUCTIONS FOR THE OPERATION OF THE SWIMMING POOL EQUIPMENT. TWO COPIES SHALL BE GIVEN TO THE OWNER FOR HIS USE IN THE MAINTENANCE MANUAL AND THE OTHER COPY SHALL BE POSTED IN A CONSPICUOUS LOCATION IN THE FILTER ROOM. A QUALIFIED REPRESENTATIVE OF THE POOL CONTRACTOR SHALL VISIT EQUIPMENT INTO OPERATION, AND HALL ASSIST AND INSTRUCT THE OWNER IN THE OPERATION OF ALL SUCH EQUIPMENT.

REVISION	BY
CHANGES PER DHH	RD
PRELIMINARY	<input type="checkbox"/>
BIDDING	<input type="checkbox"/>
CONSTRUCTION	<input checked="" type="checkbox"/>

SOUTHEAST ENGINEERS

INC.

4915 S. Sherwood Forest Blvd • Baton Rouge, LA • Phone 225-295-1880 • Fax 225-295-1879



PREPARED FOR:
 LAQUINTA INN WEST MONROE
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 507 CONSTITUTION DRIVE
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SOUTHEAST ENGINEERS
LLC

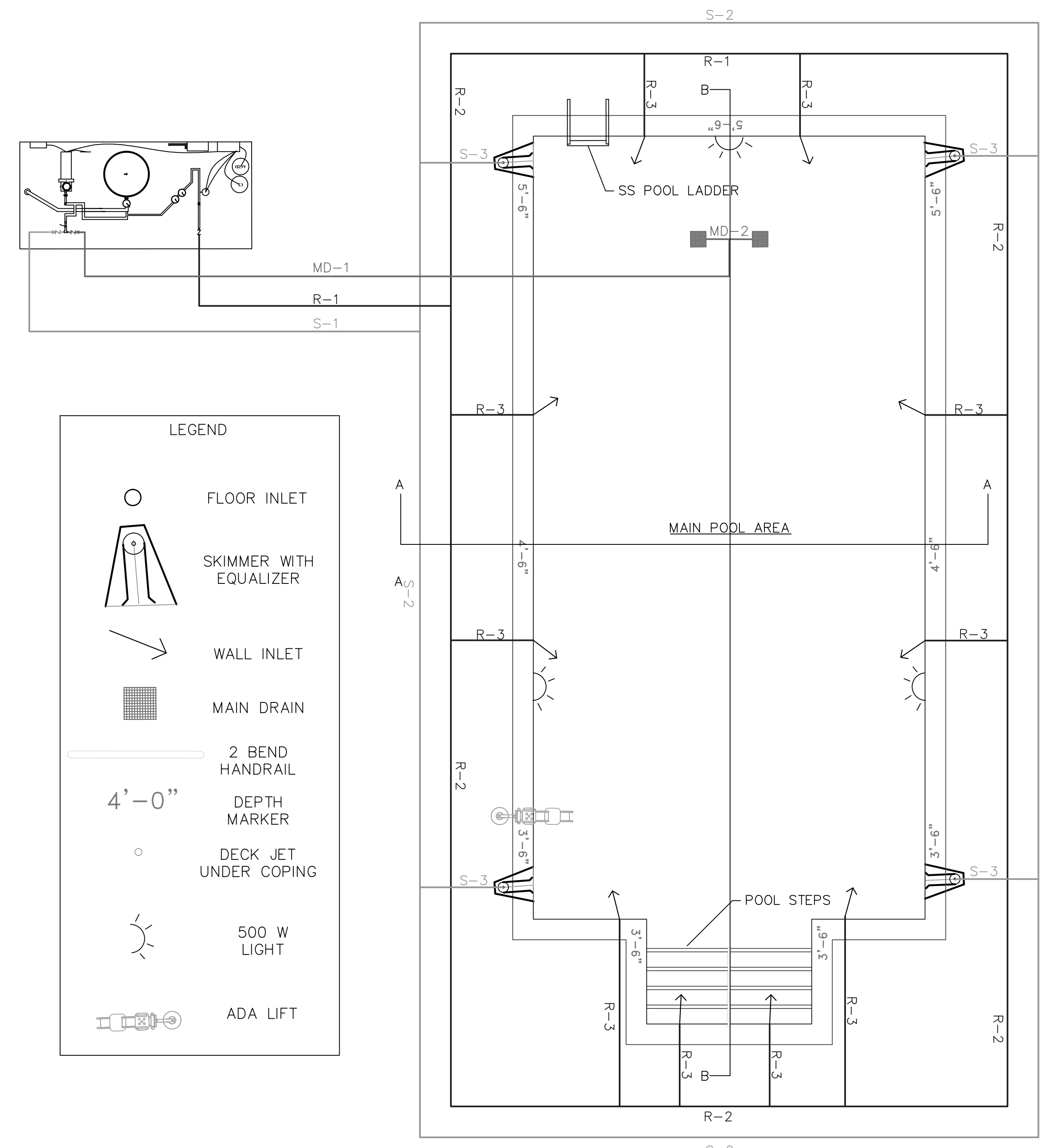
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LOUISIANA

PREPARED FOR:
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507 CONSTITUTION DRIVE
WEST MONROE, LA

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SHEET	3
OF SHEETS	7



LEGEND

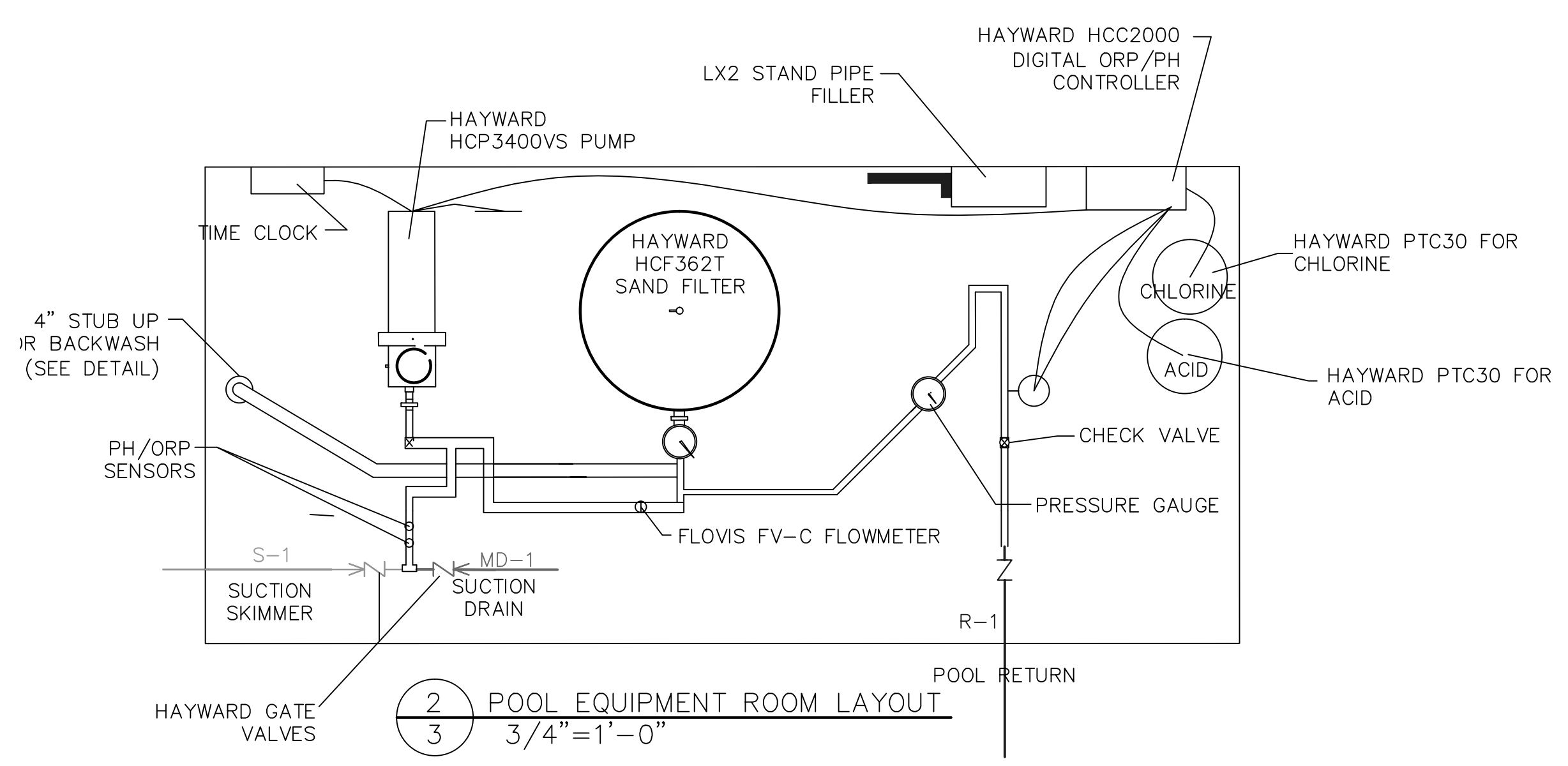
- FLOOR INLET
- SKIMMER WITH EQUALIZER
- WALL INLET
- MAIN DRAIN
- 2 BEND HANDRAIL
- 4'-0" DEPTH MARKER
- DECK JET UNDER COPING
- 500 W LIGHT
- ADA LIFT

1 SWIMMING POOL PLAN
3 1/4"=1'-0"

SKIMMER PIPE INFORMATION		
PIPE DESIGNATION	PIPE LENGTH (FT)	PIPE DIAMETER (IN)
S-1	27	4
S-2	169	2
S-3	16	1.5

MAIN DRAIN PIPE INFORMATION		
PIPE DESIGNATION	PIPE LENGTH (FT)	PIPE DIAMETER (IN)
MD-1	37	4
MD-2	3	2.5

RETURN LINE PIPE INFORMATION		
PIPE DESIGNATION	PIPE LENGTH (FT)	PIPE DIAMETER (IN)
R-1	17	4
R-2	157	2
R-3	50	1.5

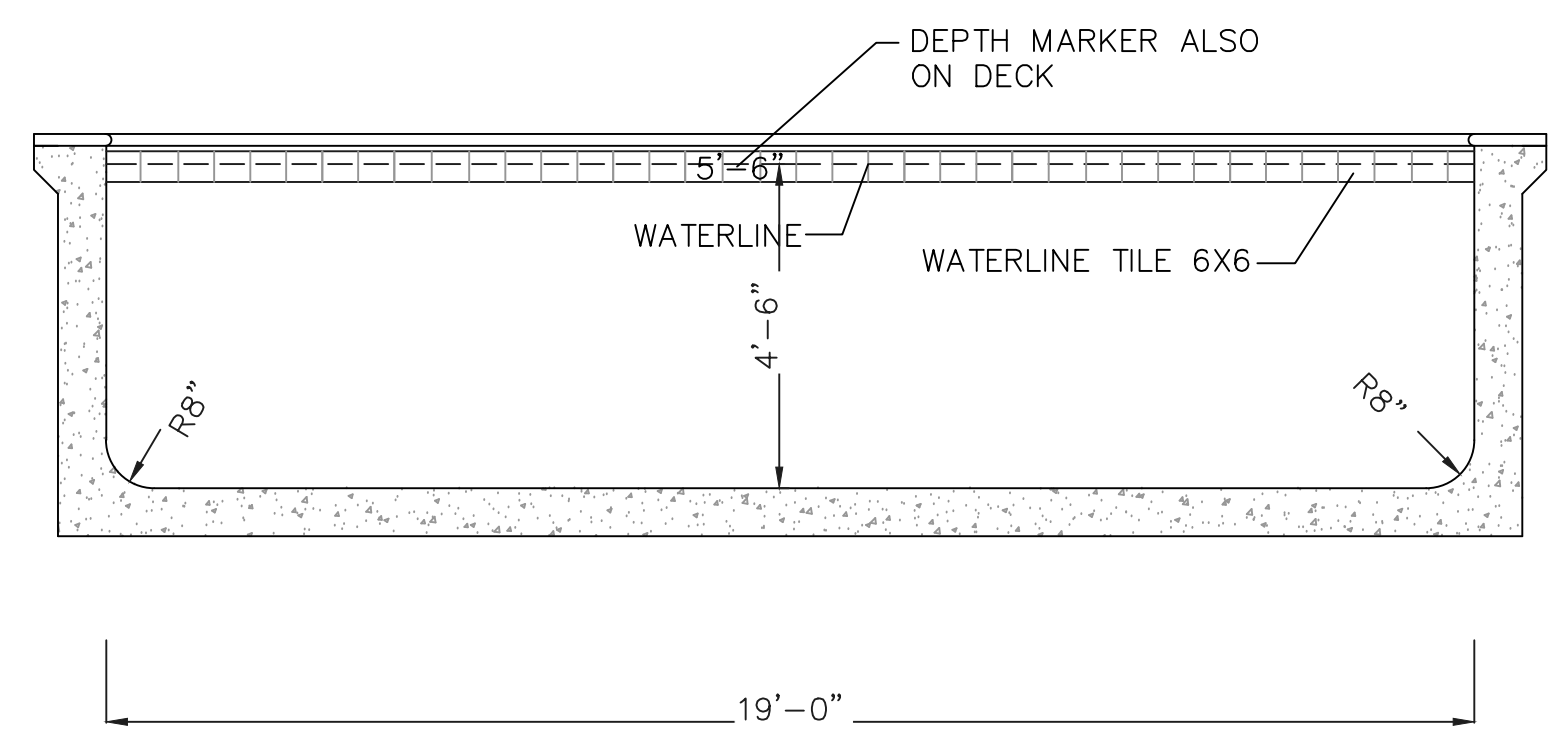


CHEMICAL NOTES:

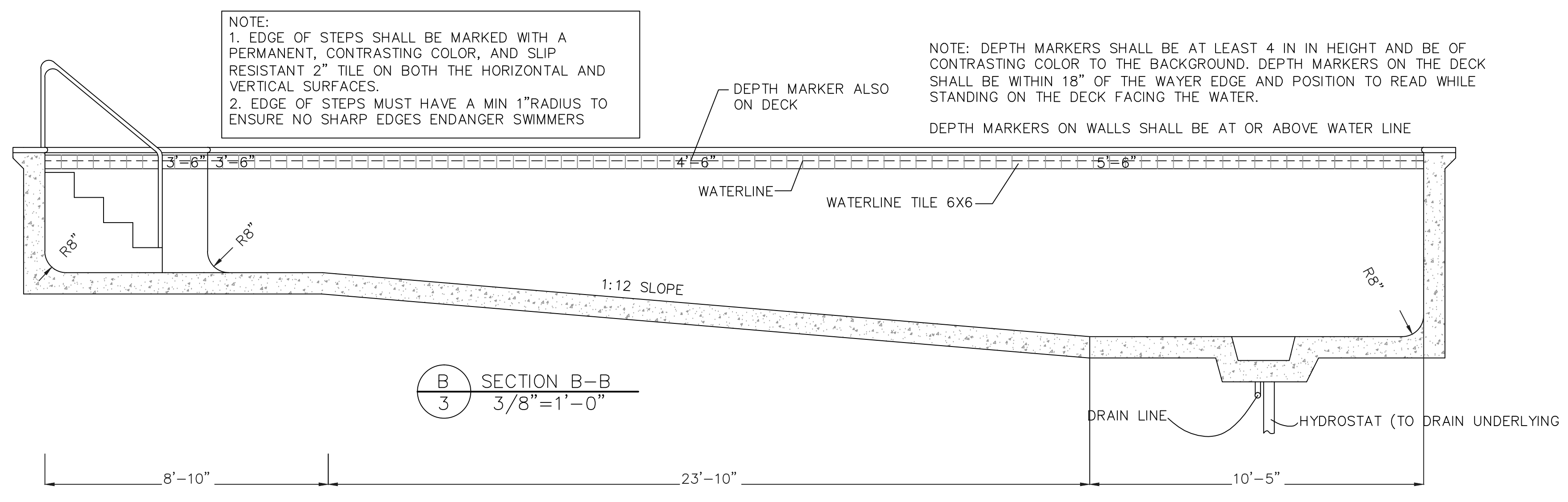
- DISINFECTING AGENT FOR SWIMMING POOL SHALL BE LIQUID SODIUM HYPO-CHLORITE WITH A 10-15% FREE AVAILABLE CHLORINE CONCENTRATION.
- PH BALANCING ACID SHALL BE A MURIATIC (HYDROCHLORIC) ACID (20 BAUME, 31.25% CONCENTRATION)
- POOL MAINTENANCE SHALL BE RESPONSIBLE FOR MAINTAINING A CYANURIC ACID LEVEL BETWEEN 50-80 PPM IN ORDER TO STABILIZE THE LIQUID CHLORINE. IF THE CYANURIC ACID LEVEL EXCEEDS 80 PPM, POOL MAINTENANCE IS TO PARTIALLY DRAIN THE POOL AND REFILL WITH FRESH WATER TO LOWER CONCENTRATION

PIPING & CIRCULATION NOTES:

- ELECTRICAL DISCONNECT SWITCH MUST BE PROVIDED ACCORDING TO SECTIONS 5.6.1. AND 5.6.1.1 OF ANSI/NSPI-2.
- POOL SHALL TURNOVER EVERY A MINIMUM ONCE EVERY 8 HOURS
- CIRCULATION SYSTEM PIPING, OTHER THAN INTEGRALLY INCLUDED IN THE MANUFACTURING OF THE POOL, SHALL BE SUBJECT TO AN INDUCED STATIC HYDRAULIC PRESSURE TEST AT 25 PSI FOR 30 MINUTES. THIS TEST SHALL BE PERFORMED BEFORE THE DECK IS POURED, AND WHERE APPLICABLE, MAINTAINED THROUGHOUT THE DECK POUR

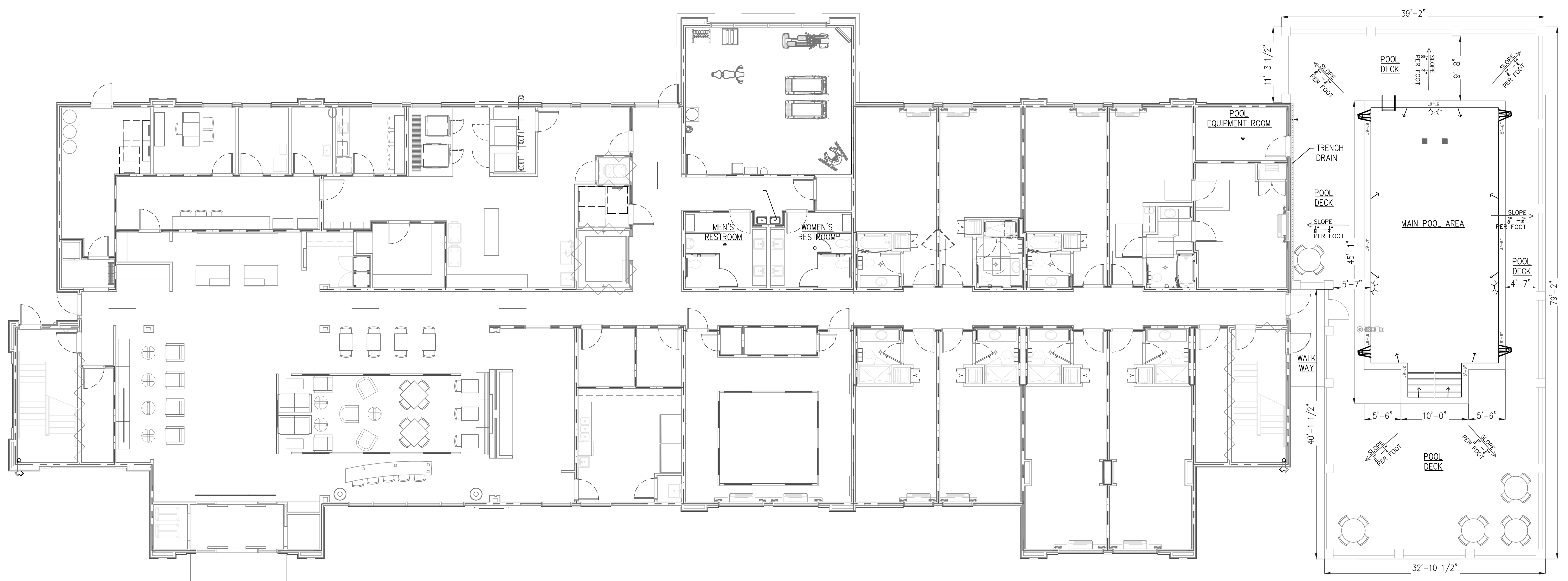


A SECTION A-A
3 3/8"=1'-0"



B SECTION B-B
3 3/8"=1'-0"

REVISION	BY
CHANGES PER DHH	RD
PRELIMINARY	<input type="checkbox"/>
BIDDING	<input type="checkbox"/>
CONSTRUCTION	<input checked="" type="checkbox"/>

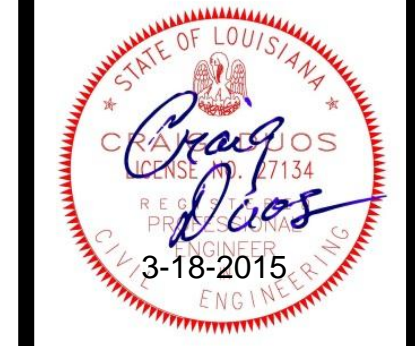


1 CONSTRUCTION LAYOUT PLAN
5 1/8" = 1'-0"

LEGEND	
	FLOOR INLET
	SKIMMER WITH EQUALIZER
	WALL INLET
	MAIN DRAIN
	2 BEND HANDRAIL
	4'-0" DEPTH MARKER
	DECK JET UNDER COPING
	500 W LIGHT
	ADA LIFT
	POOL LADDER

CONSTRUCTION NOTE:
 1. POOL DIMENSIONS AND LOCATION ARE BASED ON THE SITE PLAN AND PROPOSED BUILDING LOCATION.
 2. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE AWAY FROM THE POOL IN ORDER TO PREVENT EXCESS WATER FROM ENTERING THE POOL. FROM THE DECK AREA THE RUNOFF WILL ENTER INTO THE SUBSURFACE DRAINAGE SYSTEM AND WILL BE CARRIED OFF-SITE. STRIP DRAINS MAY BE USED FOR AREAS WHERE THE DECK AND ADJACENT BUILDINGS MEET. REFER TO CIVIL PLANS FOR SUBSURFACE DRAINAGE LOCATIONS.

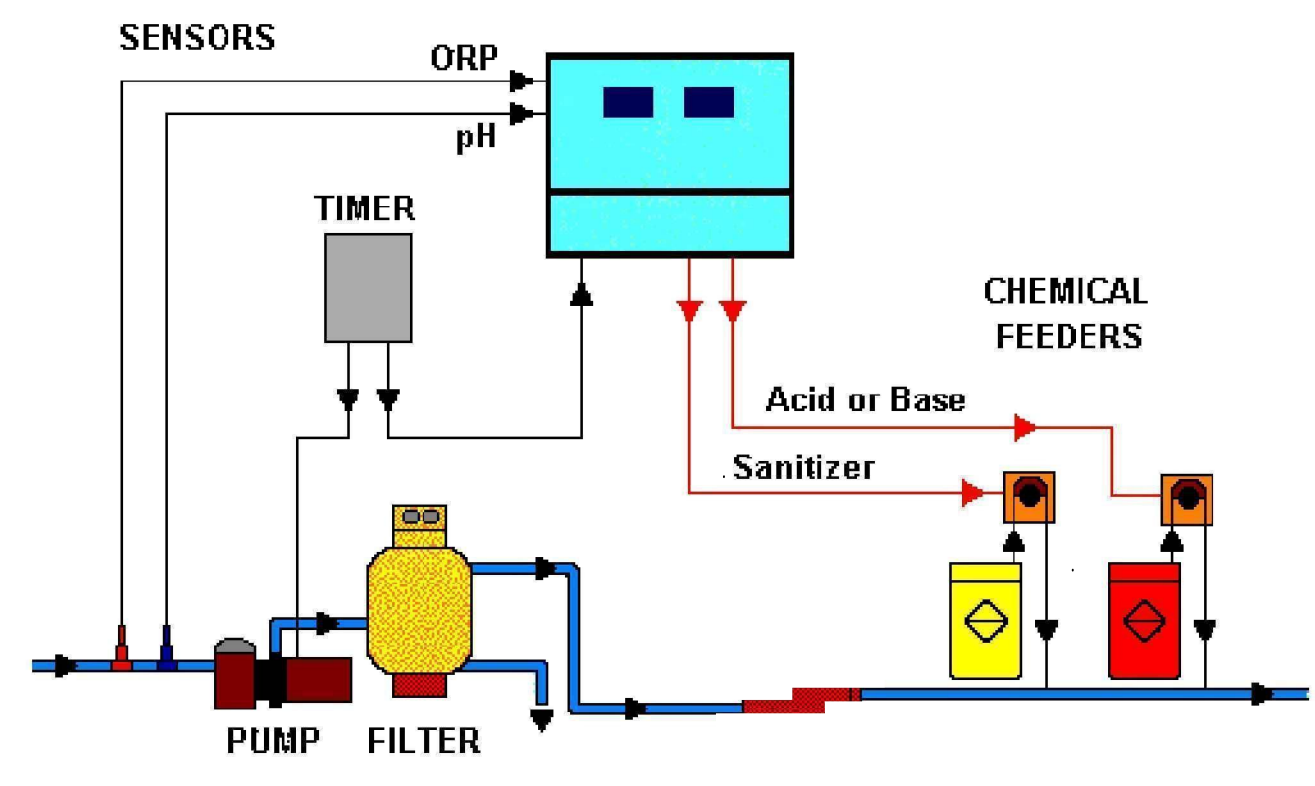
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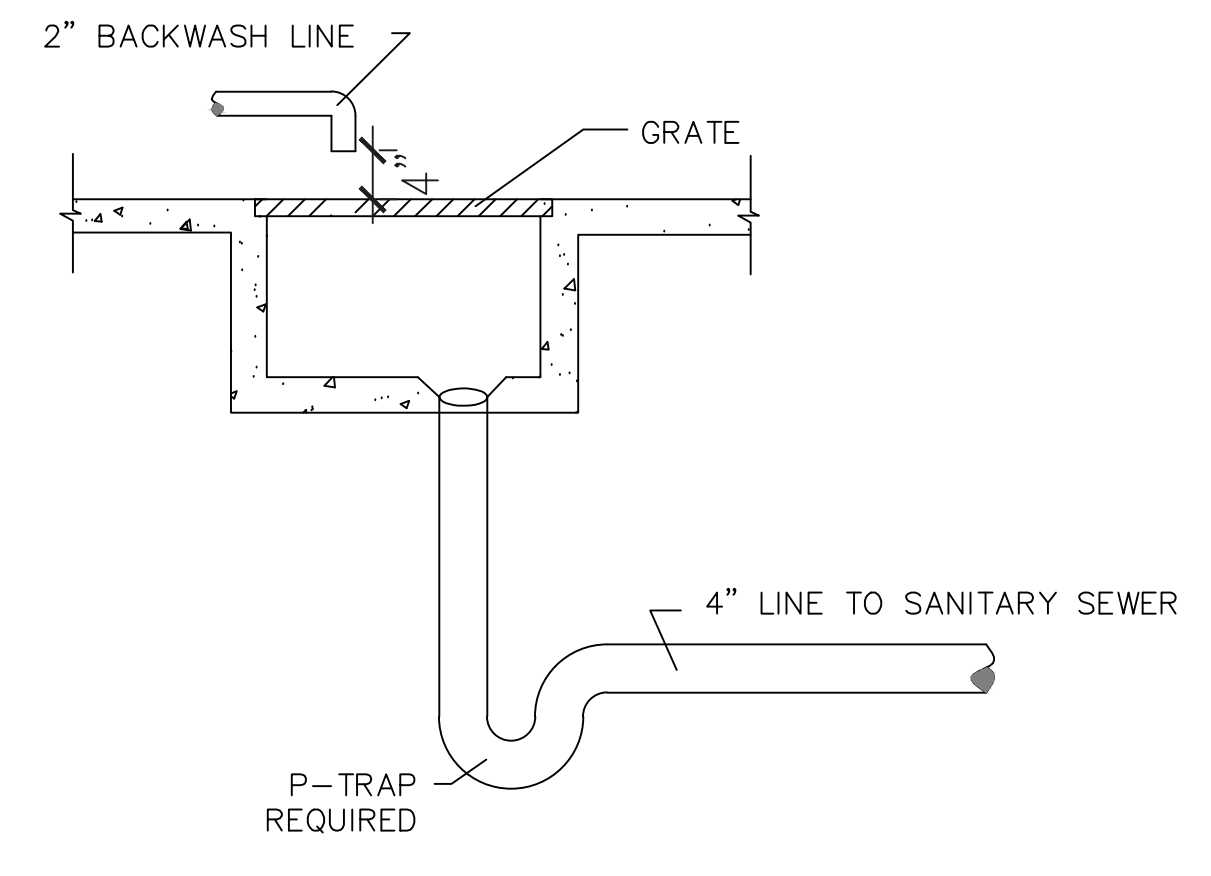
LOUISIANA
 PREPARED FOR:
 LAQUINTA INN WEST MONROE
 CLASS "C" SWIMMING POOL
 507 CONSTITUTION DRIVE
 WEST MONROE,

DRAWN	RD
CHECKED	CD
DATE	3-18-2015
JOB NUMBER	SE-15-091
SHEET	5
OF SHEETS	7

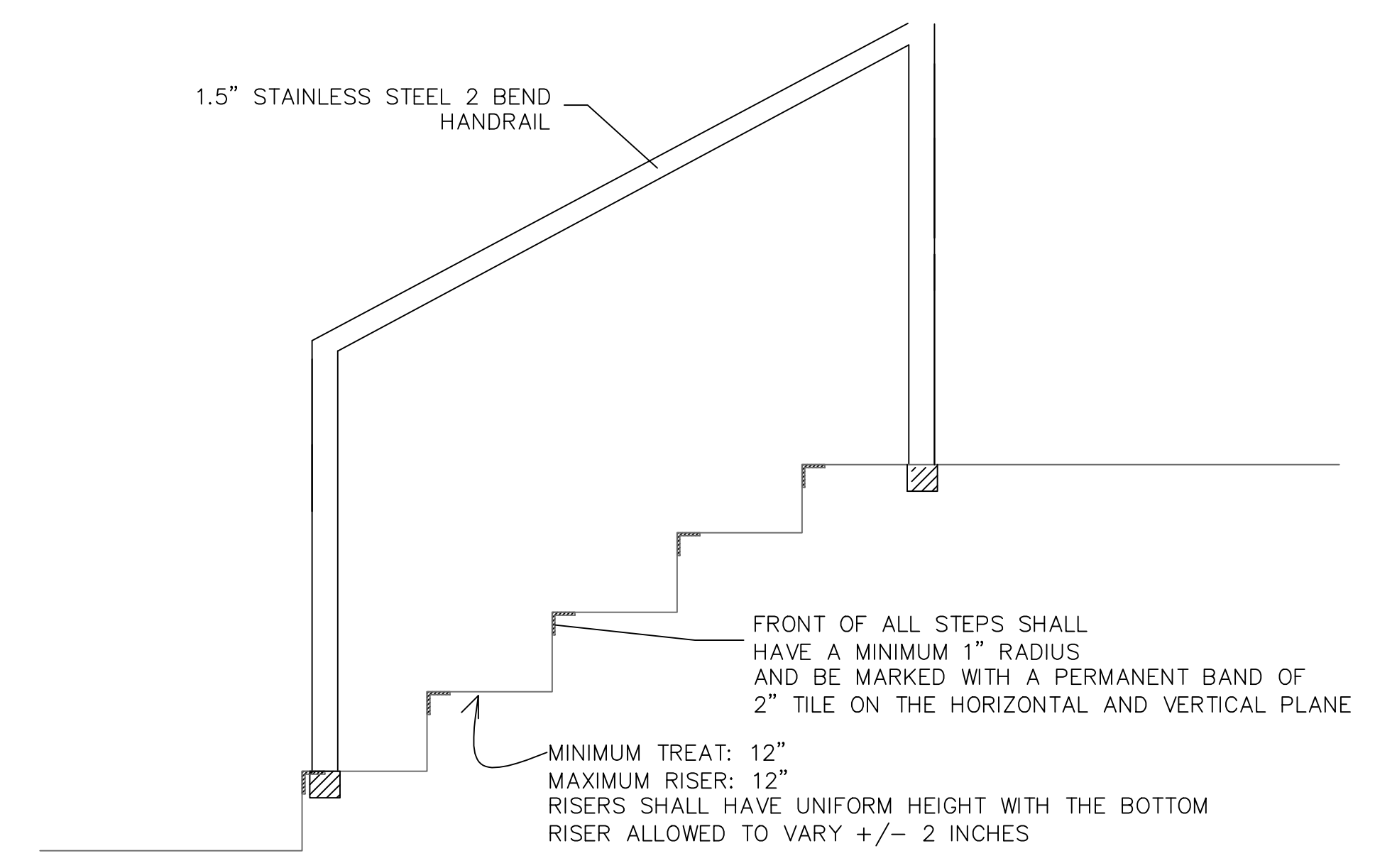
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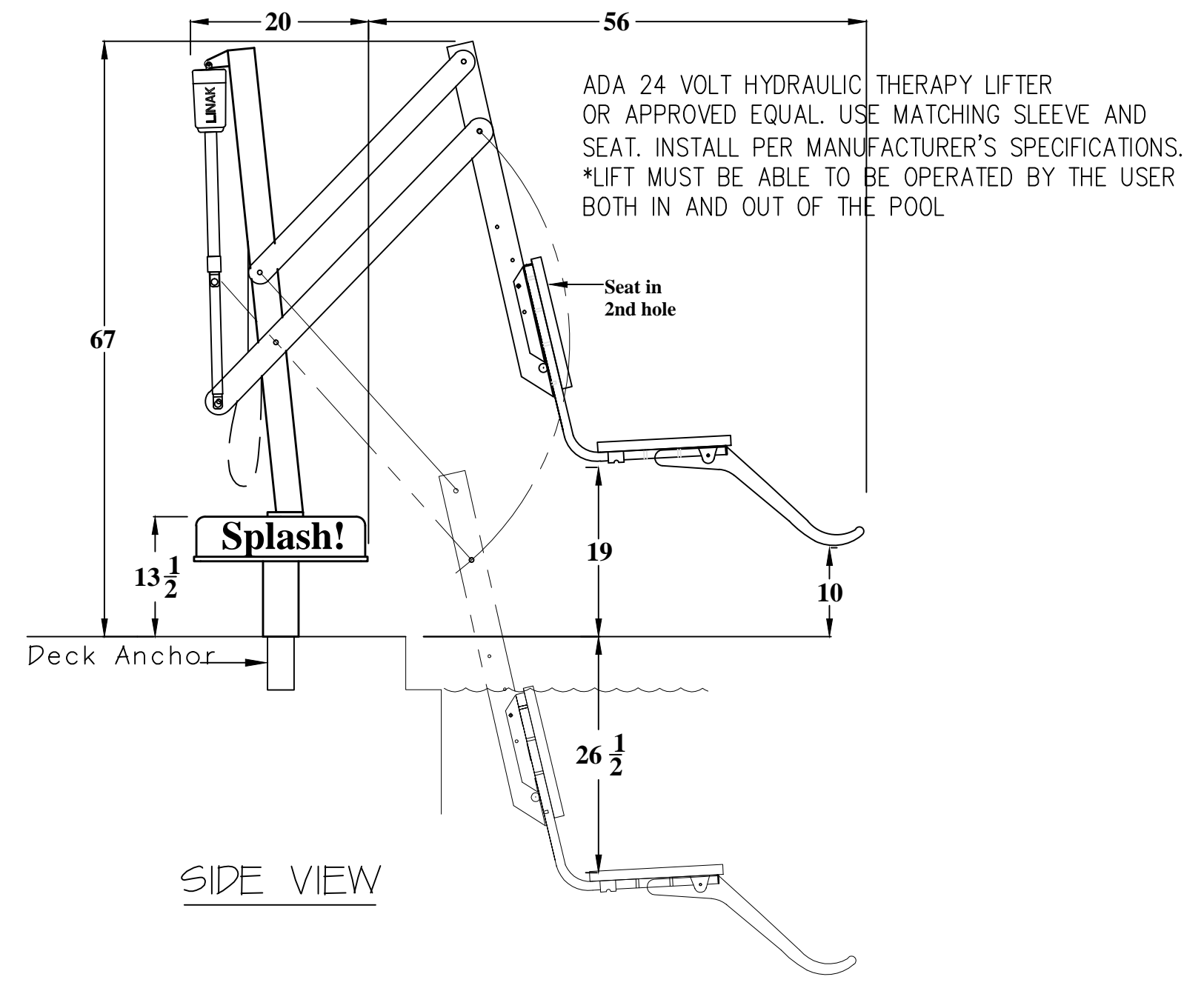
A CHEMICAL CONTROLLER DIAGRAM
6 NTS



B BACKWASH DRAIN DETAIL
6 NTS



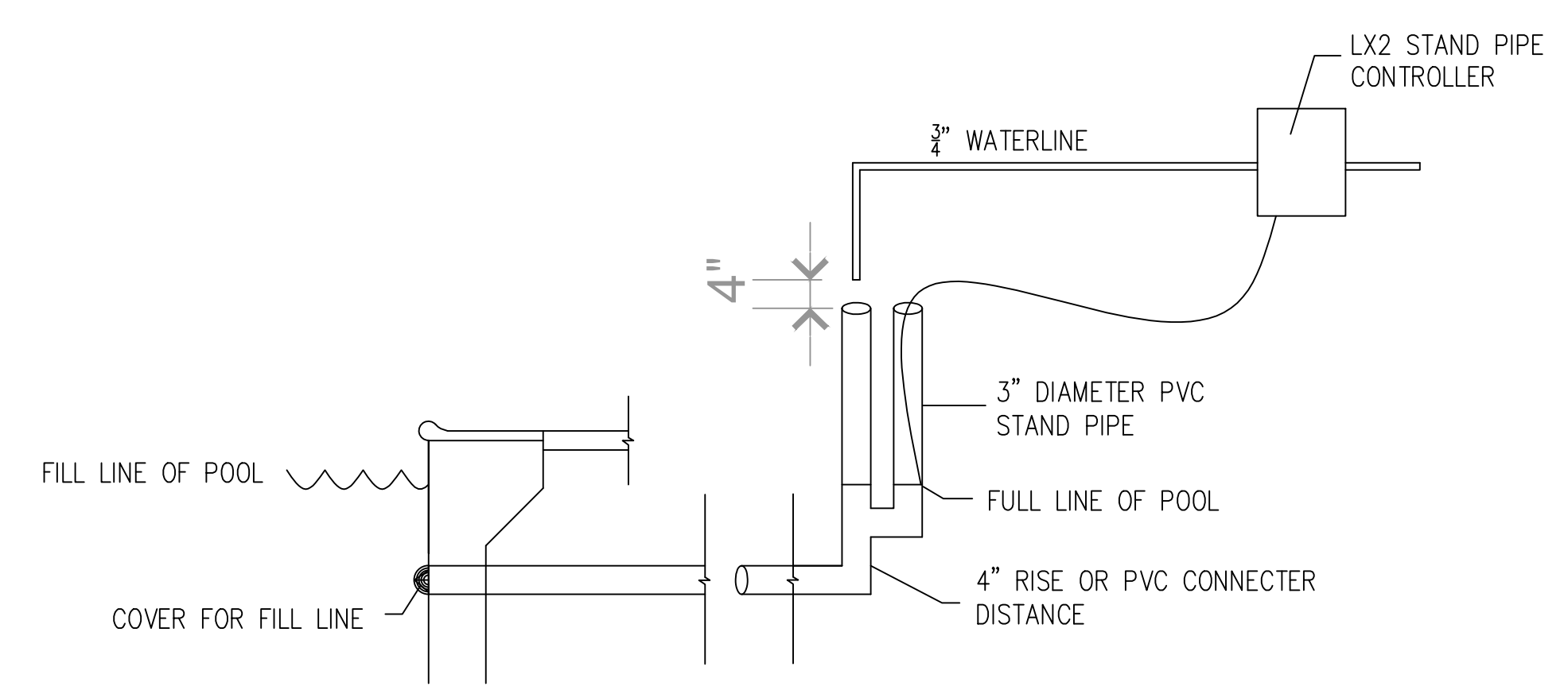
C POOL STEPS AND HANDRAIL DETAIL
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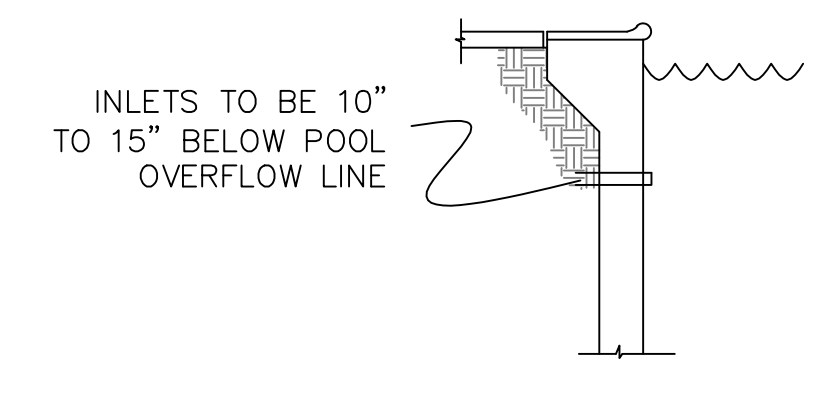
D ADA LIFT DETAIL
6 NTS



NO DIVING SIGN



F AUTOMATIC FILLER DETAIL
6 NTS

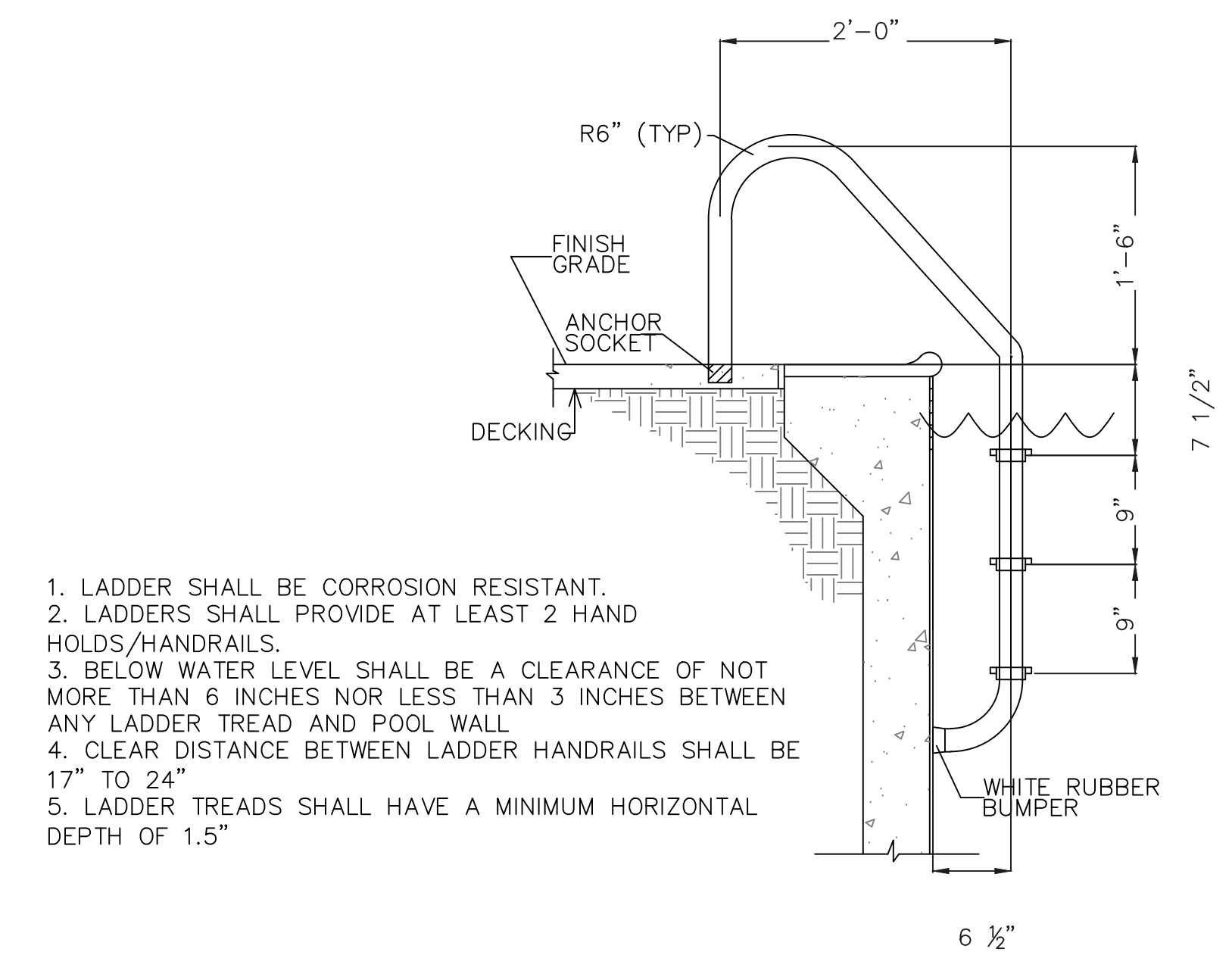


E RETURN INLET LOCATION
6 NTS

NOTE:
MAXIMUM WATER VELOCITY SHALL BE 10 FPS FOR DISCHARGE PIPING USING PVC, 8 FPS FOR COPPER PIPING AND 6 FPS FOR SUCTION PIPING.

POOL ELECTRICAL:
500 WATT POOL FIXTURES SHALL BE PROVIDED BY POOL CONTRACTOR. FIXTURES MUST BE INSTALLED AT A DEPTH OF 18" BELOW THE WATERLINE MEASURED TO THE TOP OF THE LENS. WE OR NO-NICHE FIXTURES WILL REQUIRE A JUNCTION BOX TO BE PROVIDED IN ACCORDANCE WITH NEC 680-24(A). UTILIZE THERMOCRAFT INDUSTRIES, INC. SERIES JPB BOXES WITH UL STANDARD 1241 LISTING. OWNER SHALL PROVIDE ELECTRICAL SERVICE TO POOL EQUIPMENT.

BONDING AND GROUNDING PER NEC CODE. ALL METAL COMPONENTS ASSOCIATED WITH THE POOL, INCLUDING ALL POOL EQUIPMENT, SHALL BE BONDED IN ACCORDANCE WITH NEC ARTICLE 680. SWIMMING POOLS, FOUNDATIONS, AND SIMILAR INSTALLATIONS, 680-5 GFCIS AND TRANSFORMERS, 680-22 AND 680-25 BONDING AND GROUNDING, 680-21 JUNCTION BOXES.

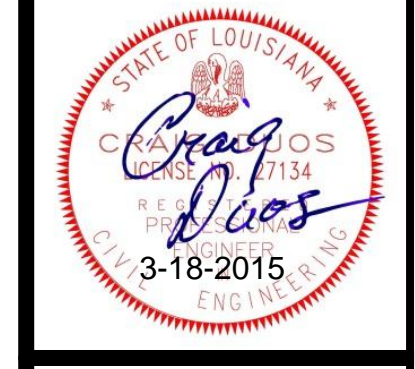


- LADDER SHALL BE CORROSION RESISTANT.
- LADDERS SHALL PROVIDE AT LEAST 2 HAND HOLDS/HANDRAILS.
- BELOW WATER LEVEL SHALL BE A CLEARANCE OF NOT MORE THAN 6 INCHES NOR LESS THAN 3 INCHES BETWEEN ANY LADDER TREAD AND POOL WALL.
- CLEAR DISTANCE BETWEEN LADDER HANDRAILS SHALL BE 17" TO 24"
- LADDER TREADS SHALL HAVE A MINIMUM HORIZONTAL DEPTH OF 1.5"

G SS LADDER DETAIL
6 NTS

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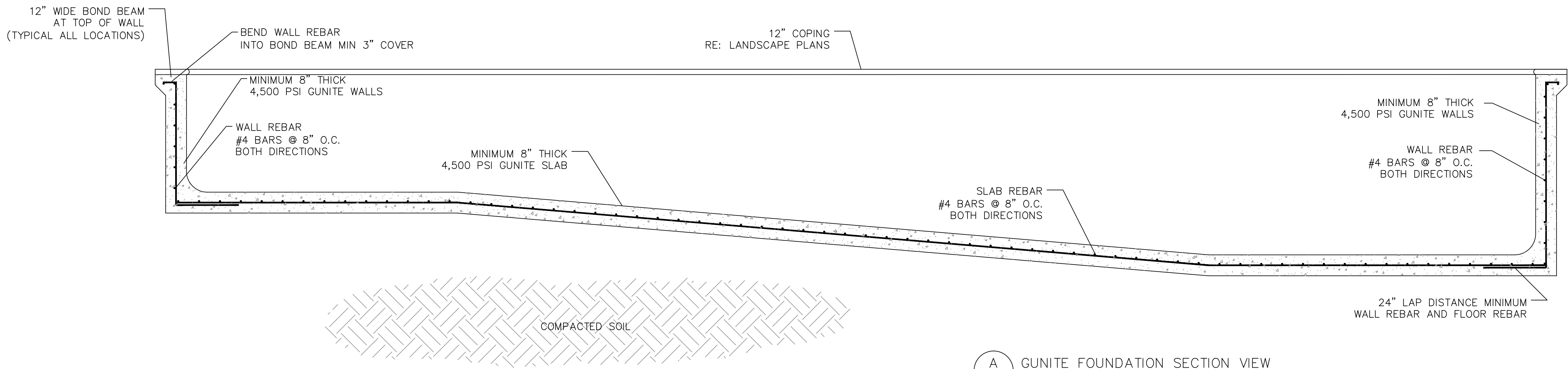


LOUISIANA

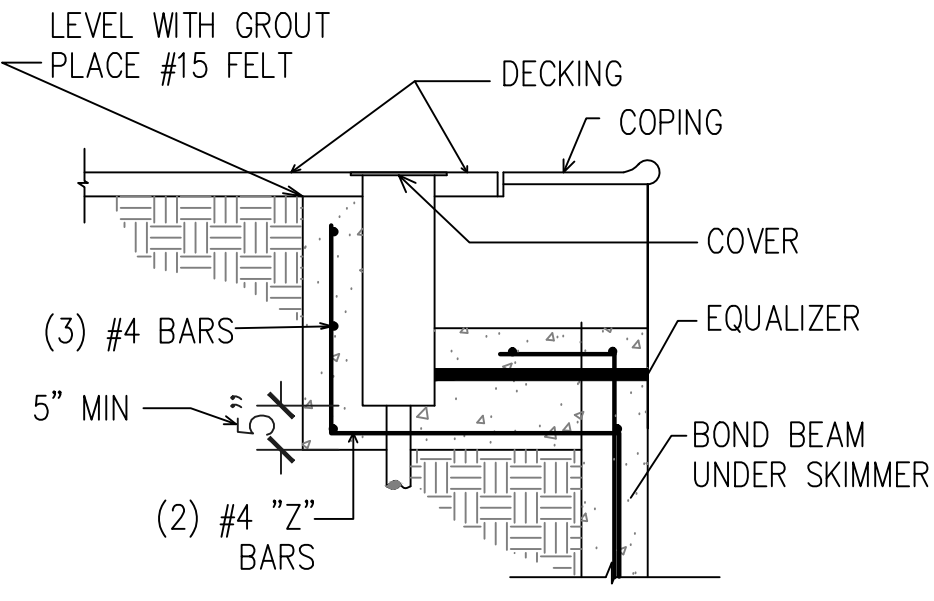
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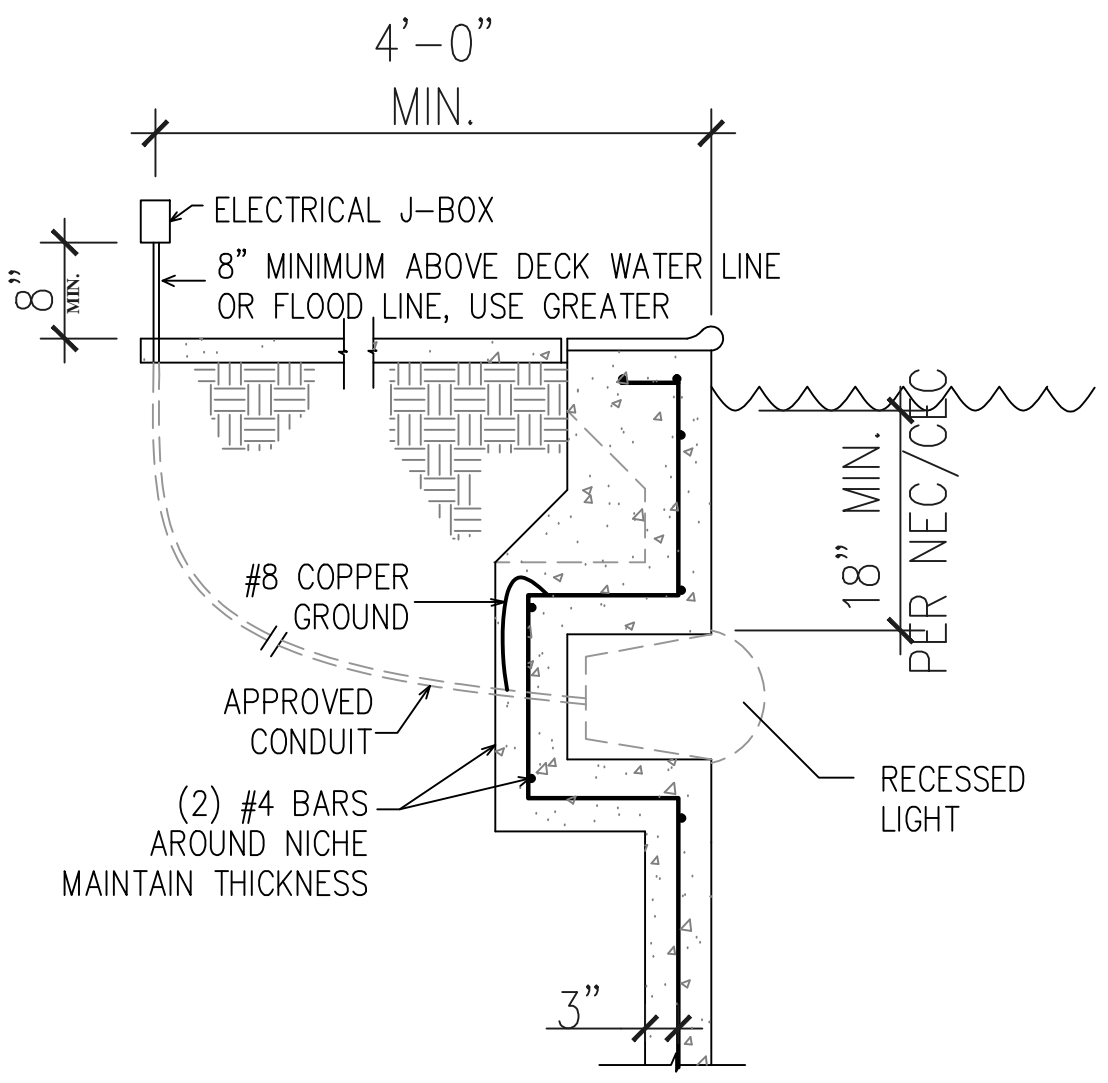
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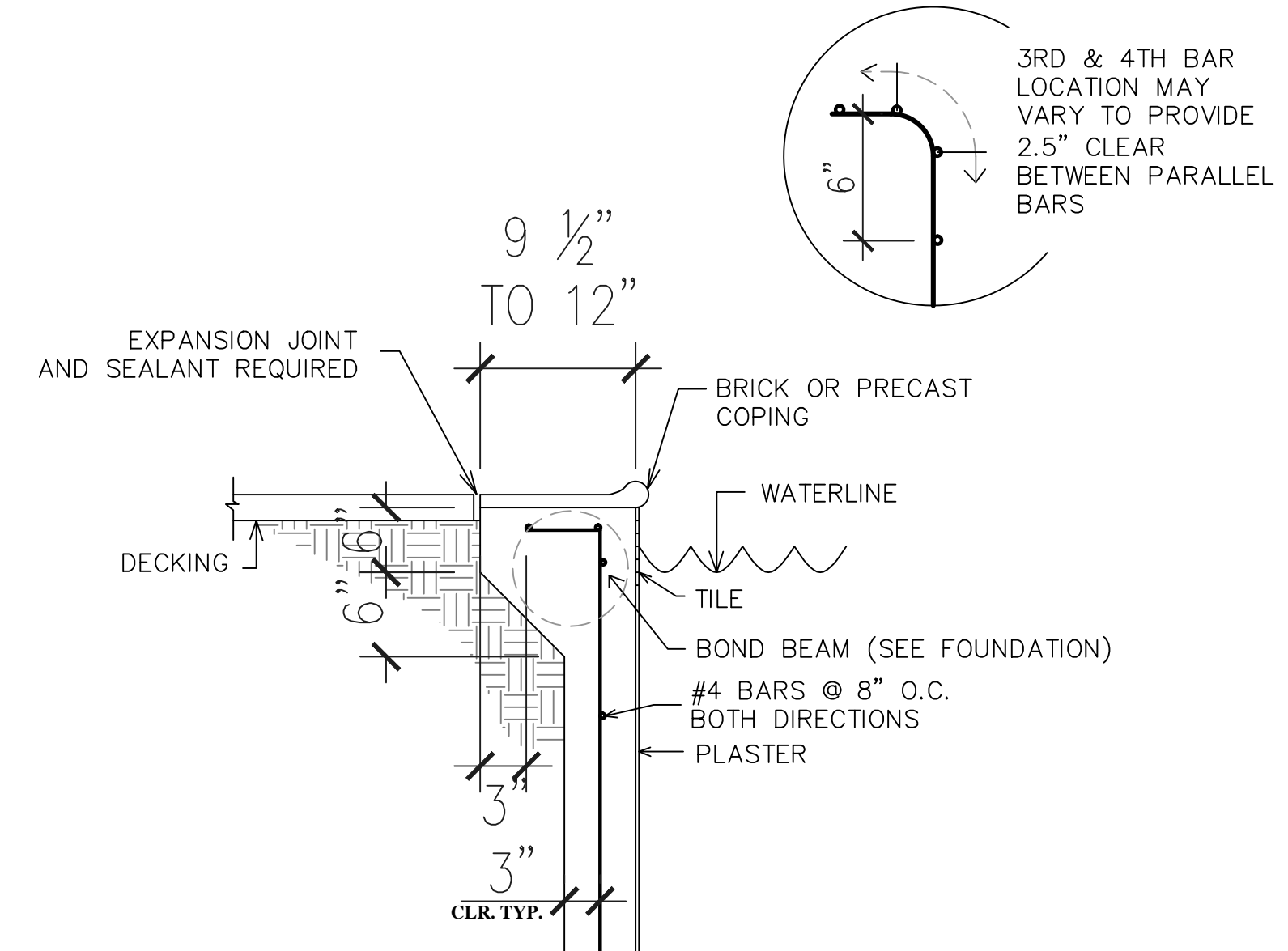
A GUNITE FOUNDATION SECTION VIEW
7 1/2"=1'-0"



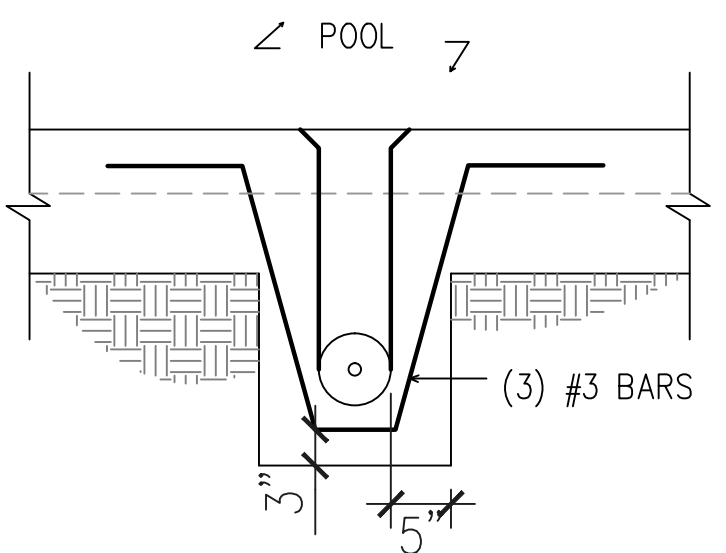
B SKIMMER SECTION
7 NTS



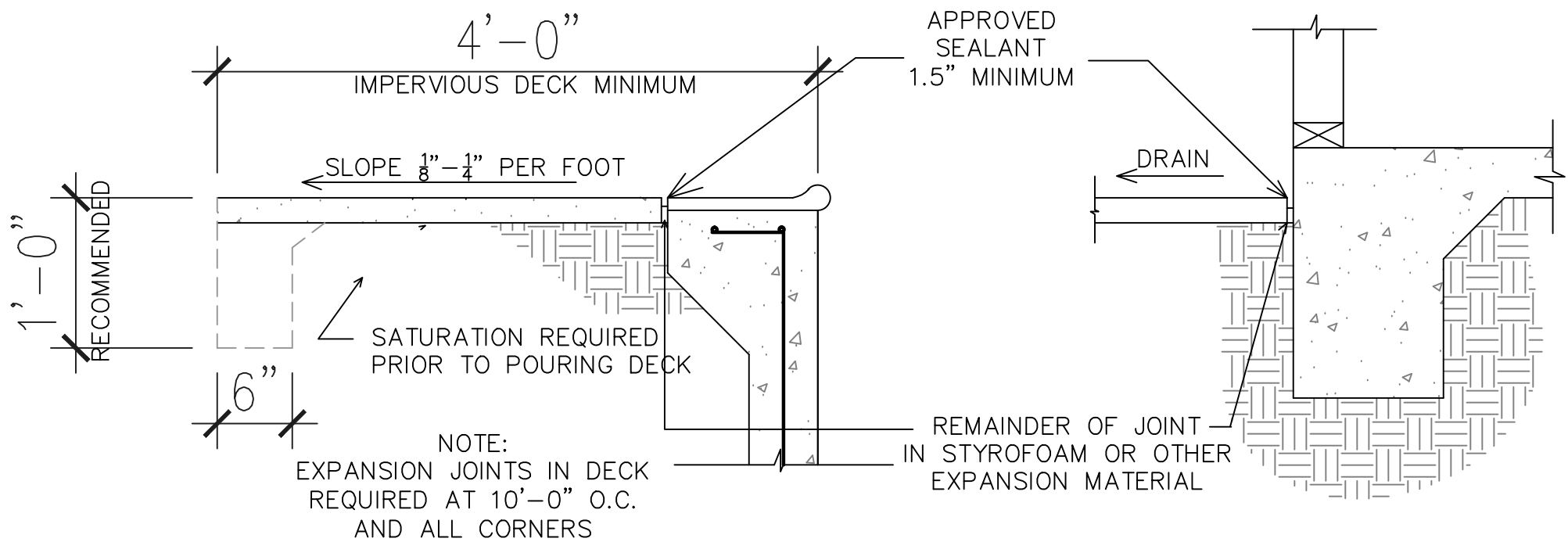
D UNDERWATER LIGHT DETAIL
7 NTS



E COPING DETAIL
7 NTS



C SKIMMER PLAN VIEW
7 NTS



F DECK AND POOL JOINT DETAIL
7 NTS

- STRUCTURAL NOTES:**
1. SOIL SHALL HAVE A MINIMUM BEARING VALUE OF 1000 PSF. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL OR APPROVED 95% COMPACTED FILL.
 2. ALL REINFORCING STEEL SHALL BE DEFORMED BARS AND CONFORM TO ASTM A615 GRADE 60.
 3. SPLICES TO BE LAPPED A MINIMUM OF 24" AND MINIMUM DISTANCE BETWEEN PARALLEL BARS IS 2.5"
 4. GUNITE SHALL BE MINIMUM 4,500 PSI MIX DESIGN.
 5. GUNITE SHALL CONFORM WITH UBC/CBC SECTION 1924.
 6. ALL INTERIOR SURFACES OF THE GUNITE SHALL BE COVERED WITH A WATERPROOF SILICA PLASTER.
 7. EXPANSION JOINTS MUST BE PLACED WHERE THE DECK MEETS THE BOND BEAM AND COPING.
 8. CONTROL JOINTS SHALL BE PLACED ON THE DECK AT A MAXIMUM OF 10'-0" ON CENTER.
 9. STIFFENING BEAMS SHALL BE PLACED AT THE EXTERIOR OF THE DECK WITH A MINIMUM OF 12" DEPTH.
 10. KEEP SHOTCRETE OR GUNITE DAMP CONTINUOUSLY FOR 14 DAYS.
- GENERAL NOTES:**
1. DO NOT TURN ON UNDERWATER LIGHTS WHILE THE POOL IS EMPTY.
 2. AVOID USING BLACK RUBBER HOSE WHEN FILLING THE POOL IN ORDER TO PREVENT STAINING.
 3. PRIOR TO FILLING THE POOL AND OR SPA, IT SHALL BE SURROUNDED COMPLETELY BY A MINIMUM 4'-0" TALL BARRIER.
 4. POOLS WITH DIVING BOARDS SHALL MEET THE NSPI DIVING POOL GEOMETRIC STANDARDS.
 5. SIGNS AND SAFETY EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES.
 6. CONTRACTOR AND OWNER SHALL VERIFY ALL DIMENSIONS AT JOB SITE.

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