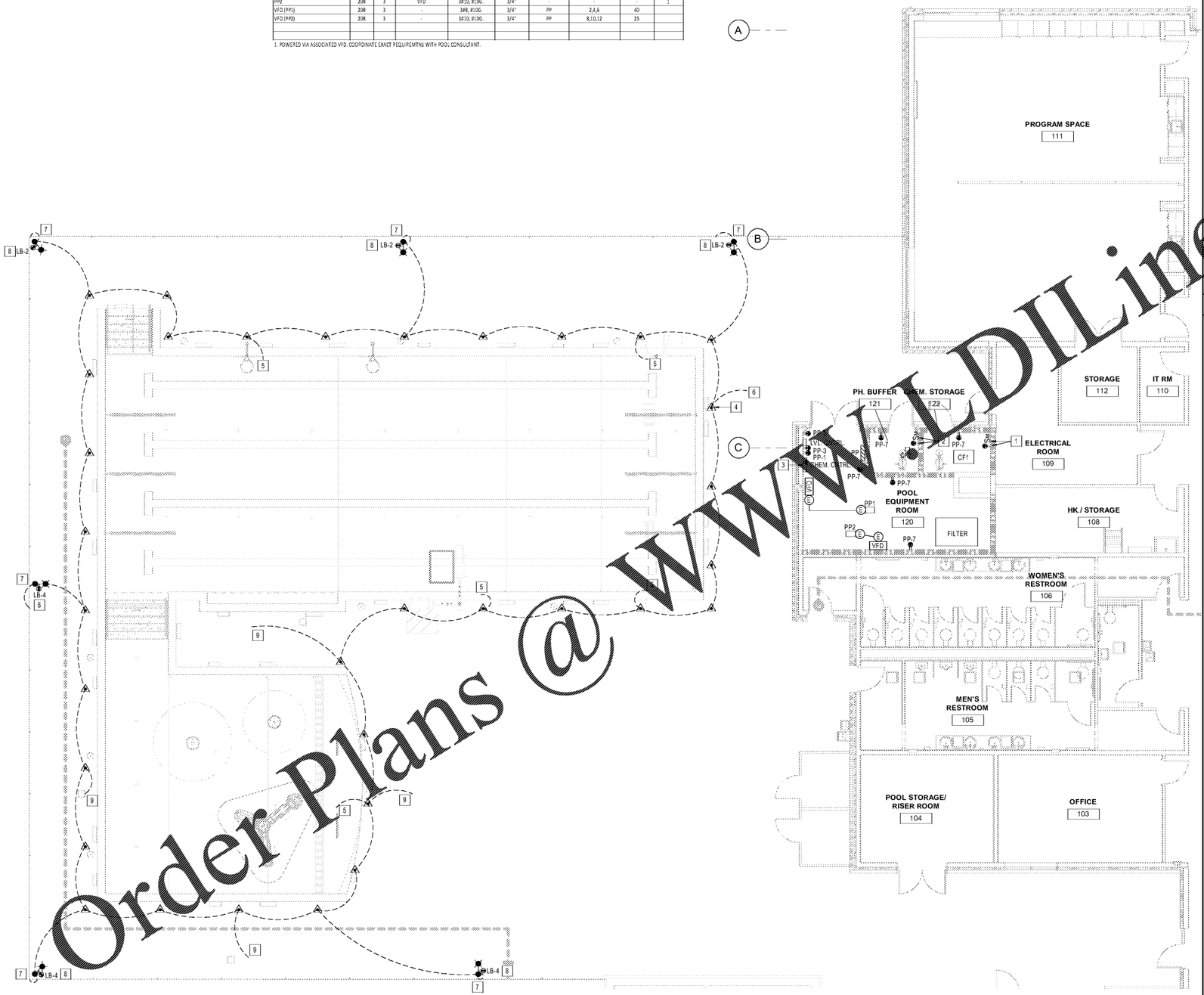
POOL EQUIPMENT CONNECTION SCHEDULE									
EQUIPMENT DESIGNATION	VOLTS	PHASE	DISCONNECT SWITCH	CONDUCTOR	CONDUIT	PANEL	CIRCUIT NUMBER	BREAKER	NOTES
PP1	208	3	VFD	3#8, #10G.	3/4"	-	-	-	1
PP2	208	3	VFD	3#10, #10G.	3/4"	-	-	-	1
VFD (PP1)	208	3	-	3#8, #10G.	3/4"	PP	2,4,6	40	
VFD (PP2)	208	3	-	3#10, #10G.	3/4"	PP	8,10,12	25	

1. POWERED VIA ASSOCIATED VFD. COORDINATE EXACT REQUIREMTNS WITH POOL CONSULTANT.



1 FIRST FLOOR - POOL AREA POWER & GROUNDING
3/16" = 1'-0"

GENERAL NOTES

A. CONTRACTOR TO GROUND THE POOL, POOL EQUIPMENT, POOL WATER AND ALL POOL METAL APPURTANCES PER ARTICLE 680.26 OF THE CURRENT NEC.
B. ALL METALLIC COMPONENTS IN THE SWIMMING POOL AND WITHIN 5' OF THE INSIDE OF THE POOL WALL HORIZONTALLY AND NOT MORE THAN 12' VERTICALLY SHALL BE CONNECTED TO THE BONDING LOOP. CONDUCTOR BETWEEN THE BONDING LOOP AND METALLIC COMPONENTS SHALL BE #8 AWG BARE COPPER. CONNECTIONS WHERE CONCEALED SHALL BE EXOTHERMIC WELD, WHERE EXPOSED SHALL BE INDUSTRY RECOGNIZED BONDING CLAMP.
C. PERFORM ELECTRICAL RESISTANCE TESTS OF THE BONDING SYSTEM PROVIDED BY THIS PROJECT UTILIZING A LOW IMPEDANCE INSTRUMENT CAPABLE OF MEASURING .01 OHM. TESTS SHALL INCLUDE RESISTANCE TO COMMON REFERENCE POINT FOR ALL METAL COMPONENTS WITHIN 5' OF THE INTERIOR POOL WALL HORIZONTALLY AND 12' VERTICALLY. TEST VOLTAGE TO GROUND (LESS THAN 1 VOLT) FOR ALL METALLIC COMPONENTS; RESISTANCE (.01 to .99 OHMS SHALL BE ACHIEVED). IDENTIFY EACH LOCATION ON PLANS (PROVIDE PICTURES) AND RECORD RESISTANCE AND VOLTAGE READINGS AT EACH LOCATION PRIOR TO ANY COVERUP. TEST SHALL BE IN ACCORDANCE WITH NETA ATS-2009 PARAGRAPH 7.13, CONTRACTOR SHALL HAVE A NETA ACCREDITED TESTING AGENCY PERFORM THE TESTS TO ACHIEVE THE ACCEPTABLE TOLERANCES. SUBMIT TEST RESULTS AND SIGNATURES TO THE ARCHITECT/ENGINEER.

KEY NOTES

1 PROVIDE GFCI OUTLET CONTROLLED BY MOTOR RATED SWITCH TO POWER THE ELECTRICAL PANEL ON THE CHLORINATOR. ELECTRICAL CONTRACTOR TO MAKE ALL SECONDARY ELECTRICAL CONNECTIONS TO CHEMICAL CONTROLLER AS REQUIRED. SEE POOL CONSULTANTS DRAWINGS FOR MORE DETAILED INFORMATION AND INTERCONNECTION REQUIREMENTS.
2 PROVIDE GFCI OUTLET CONTROLLED BY MOTOR RATED SWITCH TO POWER THE CHEMICAL FEEDER PUMP FOR THE ACID SYSTEM. ELECTRICAL CONTRACTOR TO MAKE ALL SECONDARY ELECTRICAL CONNECTIONS TO CHEMICAL CONTROLLER AS REQUIRED. SEE POOL CONSULTANTS DRAWINGS FOR MORE DETAILED INFORMATION AND INTERCONNECTION REQUIREMENTS.
3 ELECTRICAL CONTRACTOR TO MAKE ALL SECONDARY ELECTRICAL CONNECTIONS FROM CHEMICAL CONTROLLER TO ALL DEVICES AS REQUIRED. SEE POOL CONSULTANTS DRAWINGS FOR MORE DETAILED INFORMATION AND INTERCONNECTION REQUIREMENTS.
4 3/4"X10' COPPER CLAD STEEL GROUND ROD. GROUND RODS SHALL BE LOCATED A MAXIMUM OF 18" TO 24" FROM THE INSIDE WALLS OF THE POOL AND SHALL BE 4" TO 6" BELOW GRADE (TYPICAL).
5 BOND TO ALL METAL POOL ELEMENTS AND REINFORCING BARS USED AS EQUIPOTENTIAL BONDING GRID. SEE POOL CONSULTANTS DRAWINGS FOR MORE DETAILED INFORMATION AND INTERCONNECTION REQUIREMENTS.
6 BOND POOL GROUNDING GRID TO ELECTRICAL POWER SYSTEM GROUND.
7 BOND LIGHT POLE AND METAL FENCE TO POOL GROUNDING GRID
8 POLE MOUNTED RECEPTACLE SHALL NOT BE ROUTED THROUGH DIGITAL TIME CLOCK CONTROLLING LIGHTING ON POLE
9 BOND METAL POSTS FOR SUN SHADE TO POOL GROUNDING GRID

GRAPHIC SCALE(S)
3/16" = 1'-0" 0 5' 10' 20'

City of Asheville/ Parks & Recreation

DR. WESLEY GRANT SR. CENTER EXPANSION

285 LIVINGSTON STREET
ASHEVILLE, NC 28801

DESIGNER

CLARKNEXSEN

348 COLLEGE STREET, SUITE 300
ASHEVILLE, NORTH CAROLINA 28801
828.252-9668

CLARK NEXSEN LICENSE NUMBER: C-1128

PROFESSIONAL SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 041618 MATTHEW G. BRUNSON 3/12/21

SUBMITTAL
03.12.2021
CONSTRUCTION DOCUMENTS

REVISIONS

KEY PLAN

SHEET
POOL AREA - POWER & GROUNDING

EP103

DRAWN: BROWNING
CHKD: BRADY
REVIEW: MATHEWS

CN 7904-A

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