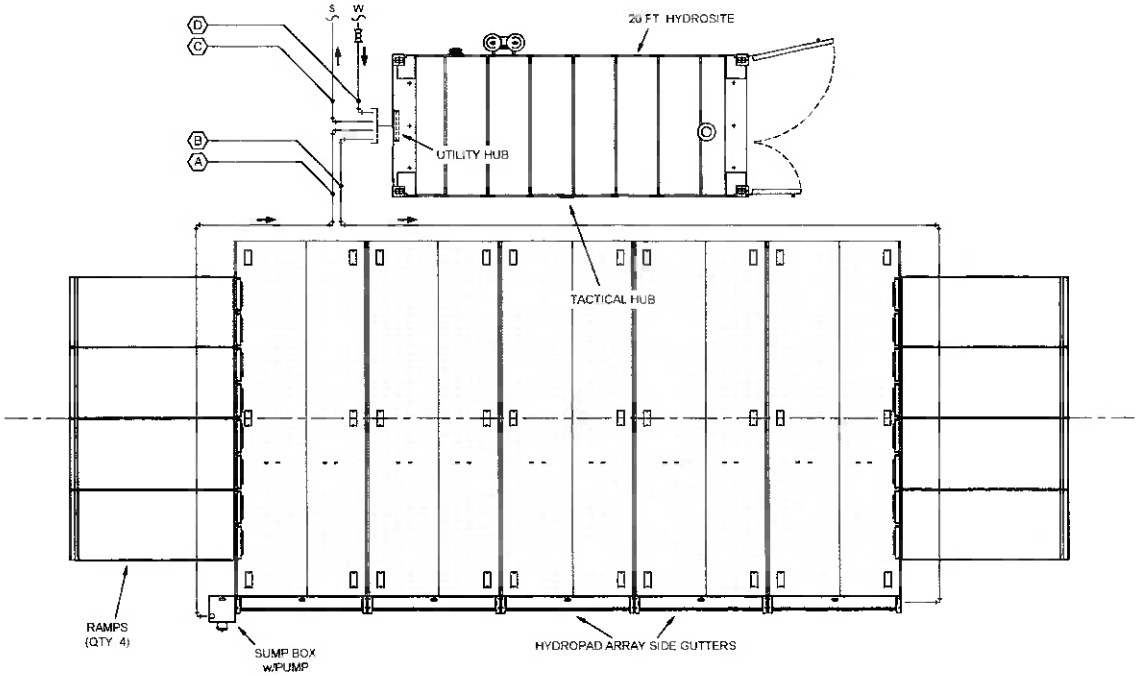


ITEM	PLUMBING RUN DESCRIPTION
A	**SUMP INLET LINE FROM DISCHARGE PUMP IN SUMP BOX TO HYDROSITE** MIN 1-1/2" SCH40 PVC PIPE TO CONNECT & ROUTE FROM SUMP BOX TO "SUMP INFLOW" PORT LABELED (SI) AT HYDROSITE UTILITY HUB 1-1/2" BULKHEAD FITTING PROVIDED AT UTILITY HUB
B	**HYDROSITE DRAIN LINE TO HYDROPAD GUTTER ARRAY** BACKFLUSH/DRAIN LINE FROM HYDROSITE UTILITY HUB PORT LABELED (BD) TO BE ROUTED TO END OF GUTTER, OPPOSITE SUMP BOX END MIN 1-1/2" SCH40 PVC PIPE THIS IS A GRAVITY FLOW LINE AND SHOULD BE SLOPED TO ALLOW WATER TO DRAIN INTO THE GUTTER 1-1/2" BULKHEAD FITTING PROVIDED AT UTILITY HUB 1-1/2" BULKHEAD FITTING PROVIDED AT END OF GUTTER
C	**HYDROSITE 'DISCHARGE TO DRAIN' LINE TO SEWER OR STORAGE TANK** HYDROSITE UTILITY HUB PORT LABELED (AD) TO BE USED TO REMOVE EXCESS WATER FROM THE FILTRATION SYSTEM AS NEEDED THIS LINE TO BE ROUTED DIRECTLY TO SEWER OR WATER STORAGE TANK (OWNER SUPPLIED) FOR HAUL-OFF MIN 1-1/2" SCH40 PVC PIPE 1-1/2" BULKHEAD FITTING PROVIDED AT UTILITY HUB THIS UTILITY HUB PORT MAY BE PLUGGED IF SEWER OR STORAGE TANK CONNECTION IS NOT AVAILABLE
D	**MAKE-UP WATER SUPPLY LINE TO HYDROSITE** PRESSURIZED MUNICIPAL WATER SUPPLY LINE w/SHUT-OFF VALVE TO ROUTE TO INLET PORT AT HYDROSITE UTILITY HUB LABELED (W) 1" FPT COPPER FITTING PROVIDED AT HYDROSITE UTILITY HUB MIN 10 GPM @ 25-75 PSI REQ'D

LEGEND	
⇄	**FLUID FLOW DIRECTION**
-▷◁-	**MANUAL TWO-WAY BALL VALVE**

PLUMBING NOTES:

1. UNLESS SPECIFIED OTHERWISE CONTRACTOR/OWNER TO COORDINATE AND PROVIDE ALL PLUMBING & CONNECTION REQUIREMENTS IMPLIED OR REFERENCED ON THIS DRAWING (THIS INCLUDES ANY ADAPTERS AND/OR FITTINGS REQ'D TO MAKE FINAL EQUIPMENT CONNECTIONS) ALL PIPING & HOSE SIZES REFERENCED ARE NOMINAL SIZES ALL PIPING SIZES REFERENCED IN TABLES SATISFY "MINIMUM" RECOMMENDED REQUIREMENTS FINAL SIZES SELECTED SHOULD NOT BE LESS
2. CONTRACTOR/OWNER SUPPLIED CONNECTION LINE REQUIREMENTS REFER TO RIGID PIPING BETWEEN EQUIPMENT FLEX HOSES NO LESS THAN THE SIZES & CAPACITIES DESCRIBED CAN BE USED IN PLACE OF RIGID PIPING CONNECTION FLEX HOSES (WHIPS) ARE TYPICALLY USED TO CONNECT EQUIPMENT TO WALL OR STUBBED UP PLUMBING SOME LENGTHS MAY NEED TO BE FIELD DETERMINED UNLESS SPECIFICALLY ORDERED OR INCLUDED WITH EQUIPMENT, FLEX HOSE CONNECTIONS ARE TO BE SUPPLIED BY THE CONTRACTOR/OWNER
3. PROTECT PIPING FROM FREEZING AND/OR EXTREME HEAT
4. PLUMBING LAYOUT PROVIDED IS REPRESENTED IN SCHEMATIC FORM FOR ILLUSTRATION OF FLOW & PROCESS REQUIREMENTS ONLY AND IS NOT INTENDED AS A DEFINITION OF SITE REQUIREMENTS (I.E. EQUIPMENT PLACEMENT, LOCATION OF PIPING RUNS, ETC.)
5. ALL EXCESS WASH WATER REMOVED FROM THE SYSTEM MUST BE PROPERLY DISPOSED OF PER LOCAL REQUIREMENTS AND APPLICABLE CODES
6. REFER TO HYDRO ENGINEERING, INC., (HEI) ORDER DOCUMENTS FOR MORE INFORMATION REGARDING HEI'S SCOPE OF WORK AND OWNER'S RESPONSIBILITIES WITH RESPECT TO INSTALLATION, SETUP & MAINTENANCE

HYDRO ENGINEERING INC.
955 W 2000 S, SALT LAKE CITY, UT 84119

DRWN: RDL

WASH SYSTEM PLUMBING LAYOUT

PROJECT: ACCTG DIBS STA NR 387700
KIRTLAND AFB, NM USA

REVISED:

APPR:

FILE: I:\ORDERS 240234\PROD-DWGS\CAD FILES\PL240234-1

PROJ MGR: C. SMITH

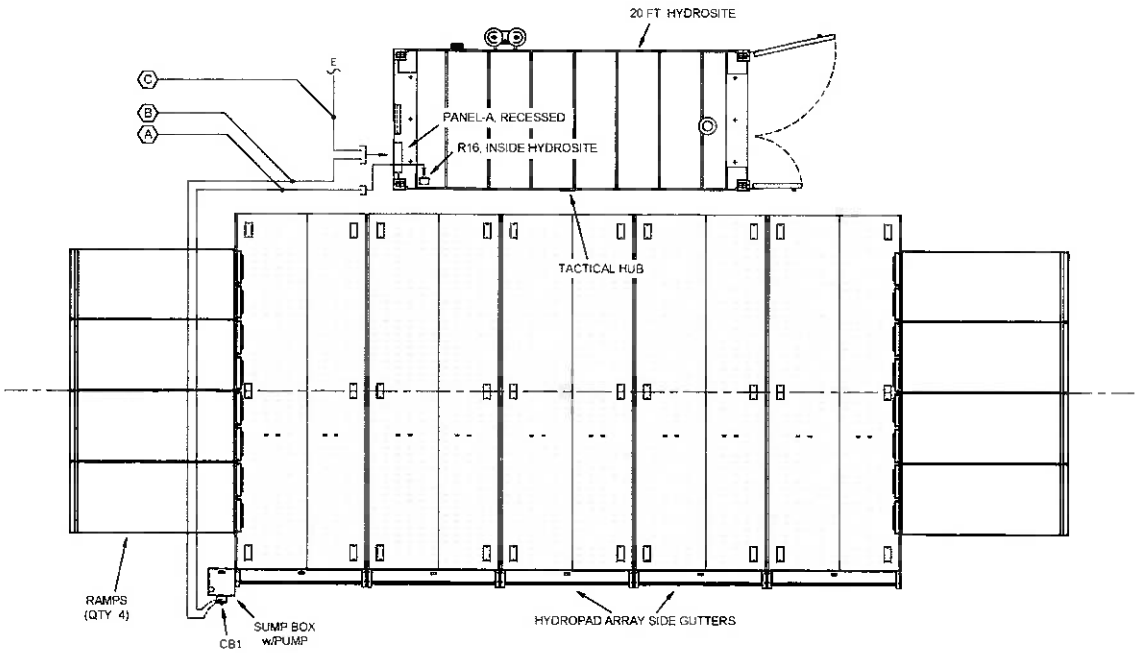
HEI Order No.: 240234

REV DATE: 12/28/23

SHEET: PL1

ITEM	ELECTRICAL ROUTE DESCRIPTIONS	VOLTAGE (60 Hz)
A	**R16 TO CB1:** CONTROL WIRES FROM "R16" TO ROUTE TO "CB1" CMAFU-2 WITHIN HYDROSITE TO CONTROL SUPPLYING SUMP PUMP AT PAD ARRAY SUMP BOX	24VAC 2-WIRES, 16 AWG
B	**PANEL-A TO CB1:** POWER TO BE SUPPLIED FROM "J6" BREAKER IN PANEL-A TO PAD ARRAY SUMP BOX "CB1"	120V / 5 4A
C	**POWER TO PANEL-A:** POWER TO BE SUPPLIED TO PANEL-A FOR HYDROSITE & SUPPORTED EQUIPMENT	208Y/120V / 3P / 100A

LEGEND	
CB1	CONTROL BOX SUMP BOX PAD ARRAY
R16	24VAC REMOTE CONNECTIONS JUNCTION BOX FOR EQUIPMENT ON PAD ARRAY
PANEL-A	MAIN ELECTRICAL DISCONNECT & PANELBOARD FOR HYDROSITE



ELECTRICAL NOTES:

1. CONTRACTOR/OWNER TO COORDINATE INSTALL AND PROVIDE ALL ELECTRICAL SUPPLY SERVICE NECESSARY TO SATISFY NEEDS OF SYSTEMS PROVIDED BY HYDRO ENGINEERING INC (HEI)
2. SYSTEM REQUIREMENTS MAY INCLUDE HIGH-VOLTAGE LOW VOLTAGE AND SIGNAL WIRE HIGH-VOLTAGE AND LOW VOLTAGE (INCLUDING SIGNAL CIRCUITS) MUST REMAIN SEGREGATED USE THHN OR EQUIVALENT WIRE FOR ALL LOW VOLTAGE WIRING REQUIREMENTS CMR CABLE IS ACCEPTABLE FOR USE ON MOST SIGNAL CIRCUITS MATERIAL AND WORKMANSHIP MUST BE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS, APPLICABLE CODES AND FACILITY REQUIREMENTS
3. CONTRACTOR/OWNER TO PLAN AND CONFIRM EXACT LOCATIONS OF ALL CONDUIT RUNS AND LINE TERMINATIONS AS CLOSE TO EQUIPMENT AS POSSIBLE SUGGEST MIN OF 10 FT (3 M) OF WIRE BE PROVIDED AT TERMINATION POINTS FOR FINAL FLEX CONDUIT CONNECTIONS TO EQUIPMENT OR DEVICE

HYDRO ENGINEERING INC.
965 W. 2500 S. SALT LAKE CITY, UT. 84119

DRWN: RDL

WASH SYSTEM ELECTRICAL LAYOUT

PROJECT: ACCTG DIBS STA NR 387700
KIRTLAND AFB, NM USA

REVISED:

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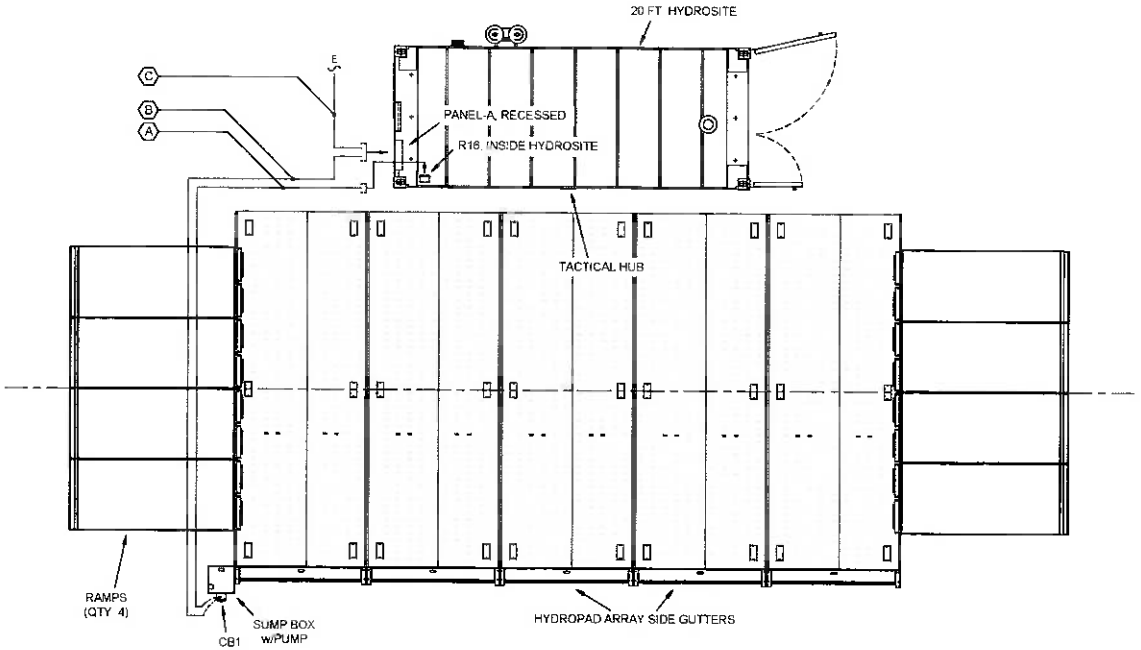
B	**PANEL-A TO CB1:** POWER TO BE SUPPLIED FROM "J6" BREAKER IN PANEL-A TO PAD ARRAY SUMP BOX "CB1"	120V / 5.4A
C	**POWER TO PANEL-A:** POWER TO BE SUPPLIED TO PANEL-A FOR HYDROSITE & SUPPORTED EQUIPMENT	208Y/120V / 3P / 100A

LEGEND	
CB1	CONTROL BOX, SUMP BOX PAD ARRAY
R16	24VAC REMOTE CONNECTIONS JUNCTION BOX FOR EQUIPMENT ON PAD ARRAY
PANEL-A	MAIN ELECTRICAL DISCONNECT & PANELBOARD FOR HYDROSITE



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HYDRO ENGINEERING INC.
885 W 2600 S SALT LAKE CITY UT 84119

DRAWN: RDL

WASH SYSTEM ELECTRICAL LAYOUT

PROJECT: ACCTG DIBS STA NR 387700
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