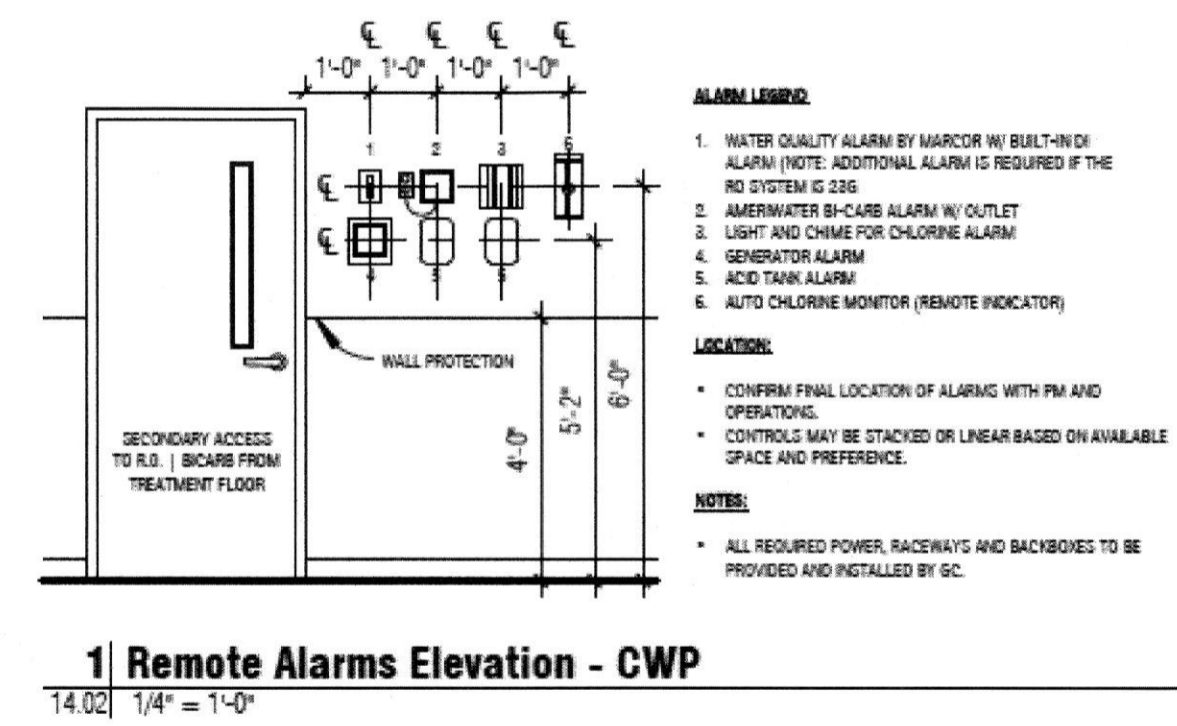


## Design Details | R.O./Bicarb - CWP

DaVita HOPE Prototype Design Guide - In-Center Hemodialysis Clinic

DaVita, Inc.



### CWP WATER SYSTEM - ELECTRICAL NOTES:

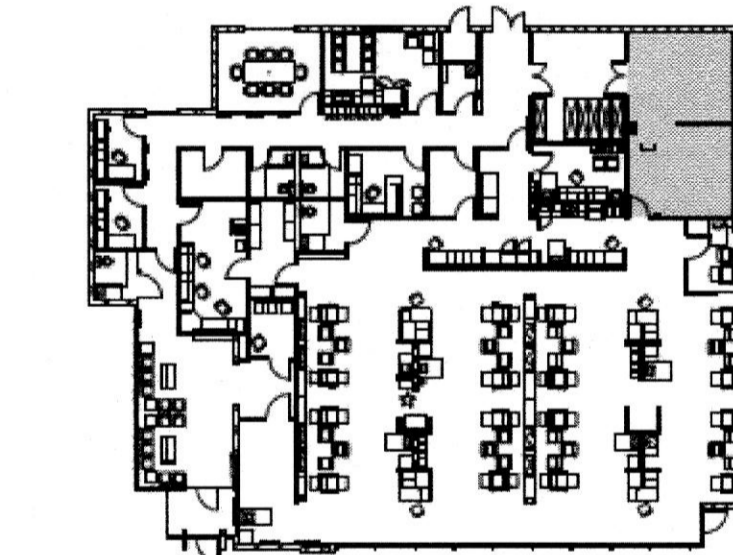
- CIRCUIT (1): CIRCUIT BREAKER AT THE PANEL / BREAKER BOX FOR CIRCUIT (1) SHALL BE 120-VAC, 20-AMP GFI BREAKER. RECEPTACLES ON CIRCUIT (1) (DUPLICATE) SHALL BE HOSPITAL GRADE, 120-VAC, 20-AMP, HEAVY DUTY, GROUNDED, (NOT GFI) MOUNTED 72-INCHES AFF.
- CIRCUIT (2): CIRCUIT BREAKER AT THE PANEL / BREAKER BOX FOR CIRCUIT (2) SHALL BE 120-VAC, 20-AMP GFI BREAKER. RECEPTACLES ON CIRCUIT (2) (DUPLICATE) SHALL BE HOSPITAL GRADE, 120-VAC, 20-AMP, HEAVY DUTY, GROUNDED, (NOT GFI) MOUNTED 72-INCHES AFF.
- ELECTRICAL NOTES: ALL ELECTRICAL DISCONNECTS AND RECEPTACLES INSTALLED PRIOR TO RO EQUIPMENT INSTALLERS ARRIVAL.
- INLET WATER BOOST PUMP SYSTEM DISCONNECT SWITCH: A 30-AMP DISCONNECT SWITCH INSTALLED WITH A GROUNDED CIRCUIT RATED AT 220-VAC, SINGLE PHASE, (L1, L2, N, GND) EQUIPPED WITH 20-AMP SLOW BLOW FUSING. ALL APPARATUS IS TO BE MOUNTED AT 72-INCHES AFF TO CENTER OF ENCLOSURE.
- R.O. DISCONNECT SWITCH: A 60-AMP DISCONNECT SWITCH INSTALLED WITH A GROUNDED CIRCUIT RATED AT 220-VAC, 3 PHASE, 40-AMP, (L1, L2, L3, N, GND) EQUIPPED WITH 30-AMP SLOW BLOW FUSING, 8-AWG WIRE, 3-PHASE. ALL APPARATUS IS TO BE MOUNTED AT 72-INCHES AFF TO CENTER OF ENCLOSURE.
- REMOTE ALARM WIRE: REMOTE ALARM WIRE (PROVIDED & INSTALLED BY CONTRACTOR) TO BE PULLED FROM THIS AREA TO REMOTE ALARM LOCATION ON THE TREATMENT FLOOR BY ELECTRICAL CONTRACTOR (WIRE PULLED BY CONTRACTOR). WIRE TO BE (BELLDUN P/N 65050E OR ALPHA P/N 58120 OR EQUIVALENT) A 12-CONDUCTOR, 22-GAUGE, STRANDED WIRE. WIRE INSULATION TO MEET LOCAL CODE REQUIREMENTS. IF CONDUIT IS REQUIRED, EACH END OF THE CONDUIT TO BE TERMINATED WITH A 2-INCH X 4-INCH BOX. LEAVE A 15-FOOT PITTAIL AT EACH END FOR FUTURE TERMINATION. TERMINATION LOCATION IN PATIENT TREATMENT FLOOR AREA TO BE DETERMINED BY OTHERS.
- CIRCUIT (7): CIRCUIT BREAKER AT THE PANEL / BREAKER BOX FOR CIRCUIT (7) SHALL BE DEDICATED, 120-VAC, 20-AMP BREAKER. GFI RECEPTACLE ON CIRCUIT (7) (DUPLICATE) SHALL BE HOSPITAL GRADE, 120-VAC, 20-AMP, HEAVY DUTY, GROUNDED, MOUNTED 60-INCHES AFF.
- CIRCUIT (8): CIRCUIT BREAKER AT THE PANEL / BREAKER BOX FOR CIRCUIT (8) SHALL BE DEDICATED, 120-VAC, 20-AMP BREAKER. GFI RECEPTACLE ON CIRCUIT (8) (DUPLICATE) SHALL BE HOSPITAL GRADE, 120-VAC, 20-AMP, HEAVY DUTY, GROUNDED, MOUNTED 60-INCHES AFF.
- CIRCUIT (9): CIRCUIT BREAKER AT THE PANEL / BREAKER BOX FOR CIRCUIT (9) SHALL BE DEDICATED, 120-VAC, 20-AMP GFI BREAKER. RECEPTACLE ON CIRCUIT (9) (DUPLICATE) SHALL BE HOSPITAL GRADE, 120-VAC, 20-AMP, HEAVY DUTY, GROUNDED, (NOT GFI) MOUNTED 36-INCHES AFF.
- CIRCUIT (10): CIRCUIT BREAKER AT THE PANEL / BREAKER BOX FOR CIRCUIT (10) SHALL BE DEDICATED, 120-VAC, 20-AMP GFI BREAKER. RECEPTACLE ON CIRCUIT (10) (DUPLICATE) SHALL BE HOSPITAL GRADE, 120-VAC, 20-AMP, HEAVY DUTY, GROUNDED, (NOT GFI) MOUNTED 36-INCHES AFF.
- BOOST PUMP DISCONNECT JUNCTION BOX: JUNCTION BOX MOUNTED AT 72-INCHES AFF. WIRES FROM BOOST PUMP DISCONNECT SWITCH PULLED TO JUNCTION BOX BY ELECTRICAL CONTRACTOR.
- RO DISCONNECT JUNCTION BOX: JUNCTION BOX MOUNTED AT 72-INCHES AFF. WIRES FROM RO DISCONNECT SWITCH PULLED TO JUNCTION BOX BY ELECTRICAL CONTRACTOR.

## Design Details | R.O./Bicarb - CWP Notes

DaVita HOPE Prototype Design Guide - In-Center Hemodialysis Clinic

GENERAL NOTE: FLOOR DRAIN AT R.O. SIDE TO BE LOCATED OUTSIDE OF CWP EQUIPMENT FOOTPRINT.

### KEY PLAN



### SEISMIC ZONE REQUIREMENTS:

FOR CLINICS LOCATED IN A SEISMIC ZONE, AN ADDITIONAL 1'-0" TO 18" MAY BE PROVIDED IN THE LENGTH AND WIDTH OF THE RO/BICARB ROOM TO ACCOUNT FOR REQUIRED STRUCTURAL BRACING OF PIPING & EQUIPMENT.

### CWP WATER SYSTEM - PLUMBING NOTES:

- FLOOR SINKS: FLOOR SINKS MUST ACCOMMODATE A FLOW RATE OF (30) GALLONS/MINUTE. TOPS OF FLOOR SINKS MUST BE FLUSH-MOUNTED WITH FLOOR. DRAIN PIPING SHALL BE 3-INCH DIAMETER MINIMUM WITH A DEMONSTRATED FLOW RATE OF (30) GPM FOR (20) MINUTES.
- TREATED WATER (R.O.) SUPPLY LOOP: LOOP SUPPLY TO BE INSULATED CLEAN PEX COILED IN THIS AREA BY PLUMBING CONTRACTOR. MATERIALS PROVIDED BY WATER SYSTEM INSTALLER. CLEAN PEX TO BE CONNECTED TO WATER SYSTEM BY WATER SYSTEM INSTALLERS. PIPING TO BE COILED (8-FEET TO 10-FEET COILED LENGTH) IN LOCATION SHOWN. INSTALLATION SPECIFICATIONS AVAILABLE FROM WATER SYSTEM INSTALLER.
- TREATED WATER (R.O.) RETURN LOOP: LOOP RETURN FROM TREATMENT FLOOR TO BE INSULATED CLEAN PEX COILED IN THIS AREA BY PLUMBING CONTRACTOR. MATERIALS TO BE PROVIDED BY WATER SYSTEM INSTALLER. CLEAN PEX TO BE CONNECTED TO WATER SYSTEM BY WATER SYSTEM INSTALLERS. PIPING TO BE COILED (8-FEET TO 10-FEET COILED LENGTH) IN LOCATION SHOWN. INSTALLATION SPECIFICATIONS AVAILABLE FROM WATER SYSTEM INSTALLER.
- BLENDED VALVE INLET WATER SUPPLY: THE INLET WATER SUPPLY TO THE INLET OF THE BLENDING VALVE MUST BE (30) GALLONS/MINUTE AT (30) PSI MINIMUM AND 90 PSI MAXIMUM.
- CLEAN PEX OUTLET TEE & BRACKET, TEE TO BE MOUNTED 66-INCHES AFF WITH OUTLET POINTED DOWNWARD. TEE PROVIDED BY WATER SYSTEM INSTALLER.
- R.O. WATER OUTLET: R.O. WATER OUTLET FOR MIXERS AND JUG RINSE SINK.
- DRAIN HUBS: PROVIDE DRAIN SCREENS TO MARCOR INSTALLED PRE-TREATMENT DRAIN HUBS. DRAINS SHALL BE REQUIRED BELOW ALL SAMPLE PORTS.
- FLOOR SINK FOR NEUTRALIZED ACID DISCHARGE: FLOOR SINK LOCATION SHALL BE COORDINATED TO PROVIDE OPTIMAL ACCESS FOR DRAINING NEUTRALIZED ACID FROM THE ACID CONCENTRATE STORAGE TANKS.

## 14.01

### R.O. | BICARB ROOM SCHEDULE

SIZE	DESCRIPTION
MIN. 14'-0" X 28'-0" (392 SF) - SINGLE ACCESS POINT	
MIN. 16'-0" X 28'-0" (448 SF) - W/ SECONDARY ACCESS	
WALL CONSTRUCTION	METAL STUD ON 4" HIGH CONCRETE CURB W/ 5/8" THK GLASS MAT BOARD FROM 4" AFF TO 48" AFF & 5/8" THK MOLD & MOISTURE RESISTANT GYPSUM BOARD FROM 48" AFF TO DECK W/ 5/8" THK FIRE-RETARDANT PLYWOOD FROM 4" AFF TO 100" AFF & 5/8" THK MOLD & MOISTURE RESISTANT GYPSUM BOARD FROM 100" AFF TO 6" ABOVE CEILING
DOORS	REFER TO SHEET S-02 AND MASTER DOOR HARDWARE SCHEDULE FOR DOOR AND HARDWARE INFORMATION
FLOORING	RF-1 RESINOUS FLOORING
WALL BASE	B-3 4" HIGH INTEGRAL RESINOUS COVE BASE
WALL FINISHES	WP-2 WALL PROTECTION PANELS (FULL HEIGHT - FROM 4" AFF TO 126" AFF) CG-1 CORNER GUARDS - FULL HEIGHT
CEILING	ACT-2 ACOUSTIC CEILING TILE - 24" X 48" @ 10'-0" AFF
LIGHTING	REFER TO SHEET G-03 FOR REFLECTED CEILING PLAN AND LIGHTING FIXTURE SCHEDULE
MILLWORK	NONE
EQUIPMENT	FE-2 SURFACE-MOUNTED FIRE EXTINGUISHER COORD. EQUIPMENT W/ WATER TREATMENT SUPPLIER
ELECTRICAL	ALL ELECTRICAL CONDUIT, SWITCHES, RECEPTACLES, JUNCTION BOXES & RELATED DEVICES TO BE SURFACE-MTD - COORD. LOCATIONS W/ WATER TREATMENT SUPPLIER
SYSTEMS	COORD. LOCATIONS W/ WATER TREATMENT SUPPLIER
PLUMBING	LT-1 BICARB JUG RINSE SINK - R.O. WATER ONLY EE-2 WALL-MOUNTED EYE-WASH & DRENCH COORD. ALL PLUMBING W/ WATER TREATMENT SUPPLIER
MECHANICAL	PROVIDE EXHAUST FAN (SIMILAR TO GREENHECK G-090 1/120TH HP W/ INDUSTRIAL EPOXY POWDER COAT ON ALL PARTS & HOUSING EXPOSED TO AIRSTREAM) W/ 10" X 10" EXHAUST DUCT DOWN TO 24" X 24" PLASTIC ESG-GRADE EXHAUST GRILLE IN CEILING - TRANSITION TO 10" X 10" IN RISE. PROVIDE A TIMEB SWITCH FOR OPERATION ONLY DURING DRY-ACID MIXING & BICARB PROCESS

## 14.02

DaVita Healthcare Partners, Inc.  
2000 16th Street  
Denver, CO 80202

DAVID A. LIDKOV, ARCHITECT  
1631 N. HIGHWAY  
SCOTTSDALE, ARIZONA 85269  
480-94-3205 FAX 480-94-0209

PROJECT: TENANT RENOVATIONS FOR: DaVita Dialysis Lake Hefner - #02085  
8917 N. May Ave., Oklahoma City, OK 73116

CLIENT: DaVita

DATE: 8/24/2017

PROJECT NO: 10989

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

DATE: 8/24/2017

PROJECT: WT1

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