

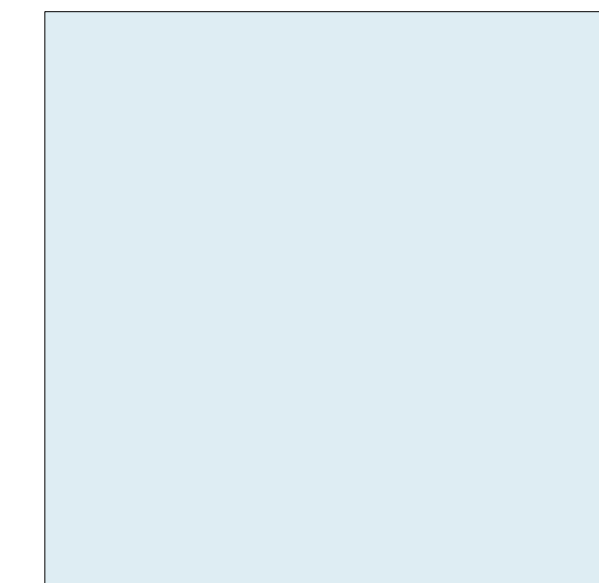
DOCKETED	
Docket Number:	26-SPPE-02
Project Title:	Silver Creek Back-up Generating Facility (SFBGF)
TN #:	272833
Document Title:	Prologis SPPE Application Silver Creek Backup Generating Facility - App B Part II of II
Description:	N/A
Filer:	Scott Galati
Organization:	DayZenLLC
Submitter Role:	Applicant Representative
Submission Date:	9/18/2026 9:09:30 AM
Docketed Date:	9/18/2026

A

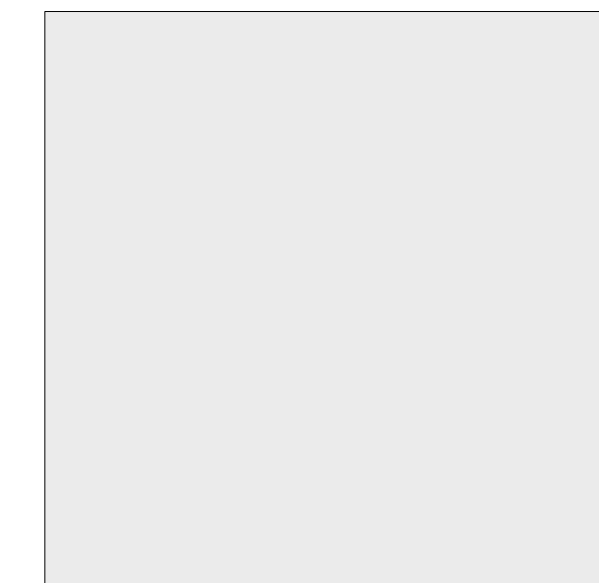


SOUTHEAST CORNER VIEW

BIRD SAFE FRITTED
PANEL BUTT-GLAZED
MULLIONS



INSULATED
METAL PANEL



INSULATED
METAL PANEL



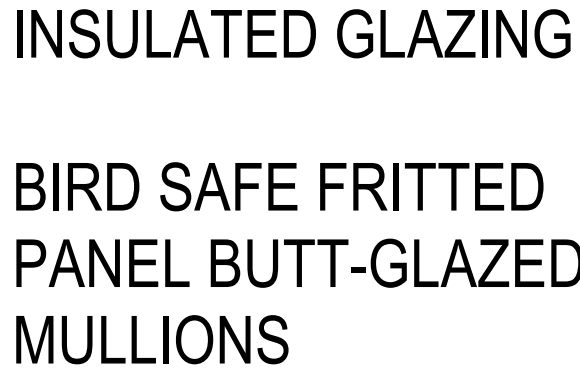
SEC, CTRL, AV

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A5.1

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A



SEC, CTRL, AV

PROGRESS SET
NOT FOR CONSTRUCTION

[illegible]

Silver Creek Data Center

**5977 Silver Creek Valley
Road
San Jose, CA 95138**

EXTERIOR RENDERING & MATERIAL

A5.2

A


$$1/8'' = 1'-0''$$

$$1/8" = 1'-0"$$

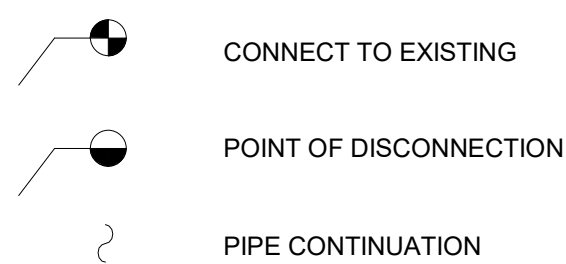
$$1/16'' = 1'-0''$$

$$1/8" = 1'-0"$$

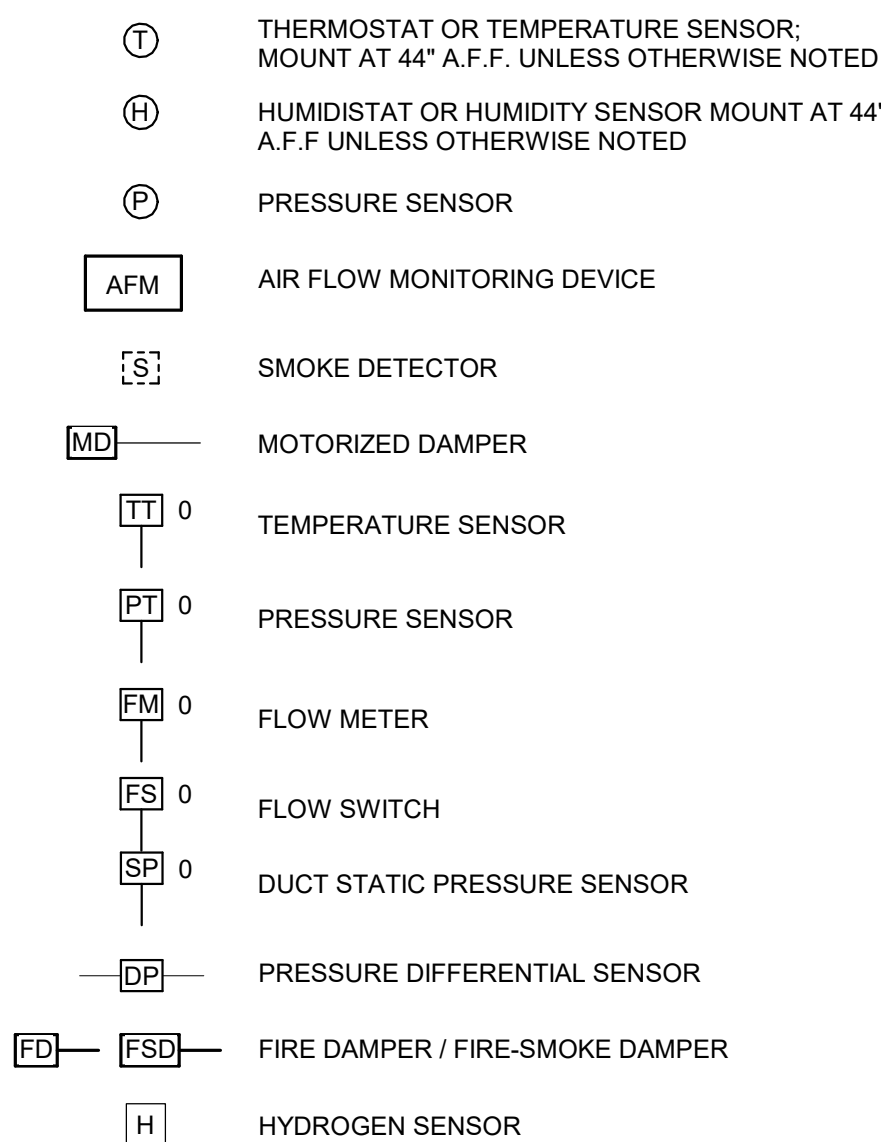
LEGEND

1	LOADING AREA
2	ADMIN BUILDING
4	TRENCH DRAIN
5	TRASH COMPACTOR
6	METAL PANEL
7	SCREENED TRASH ENCLOSURE
8	DATA CENTER

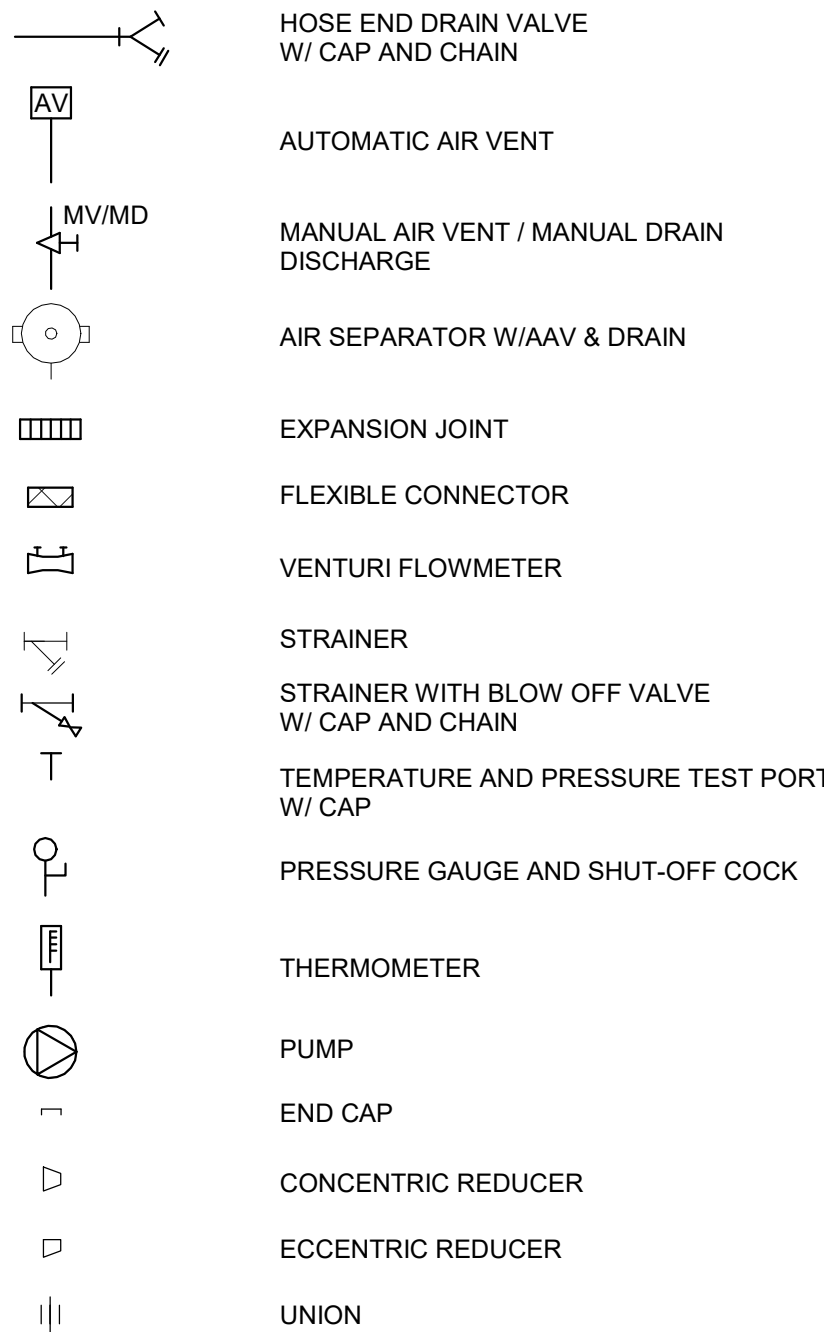
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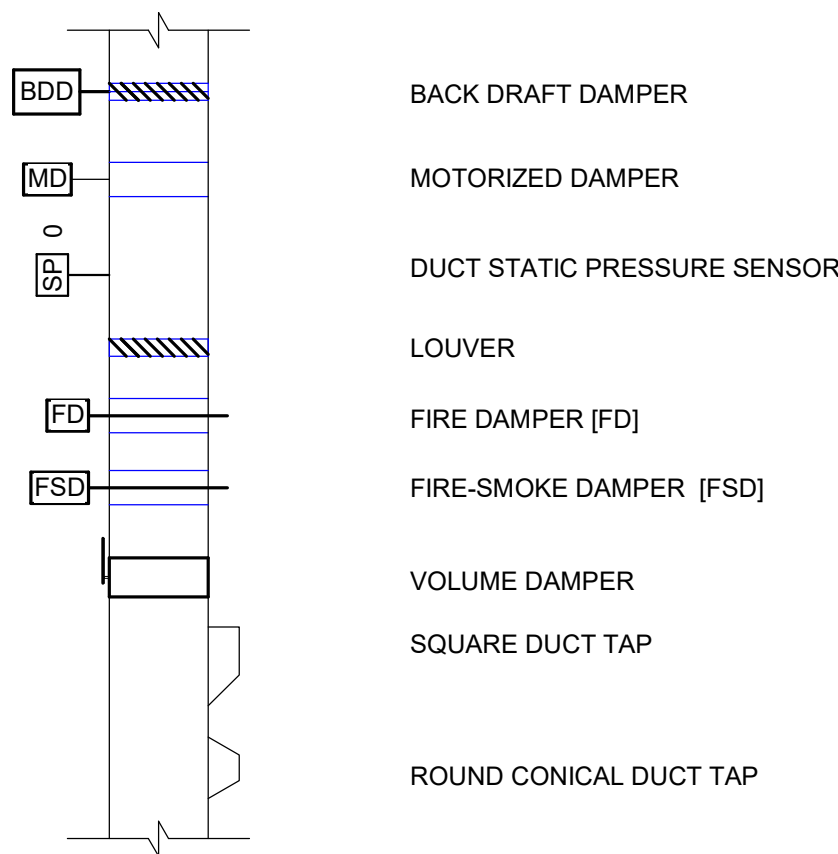
MECHANICAL ACCESSORIES



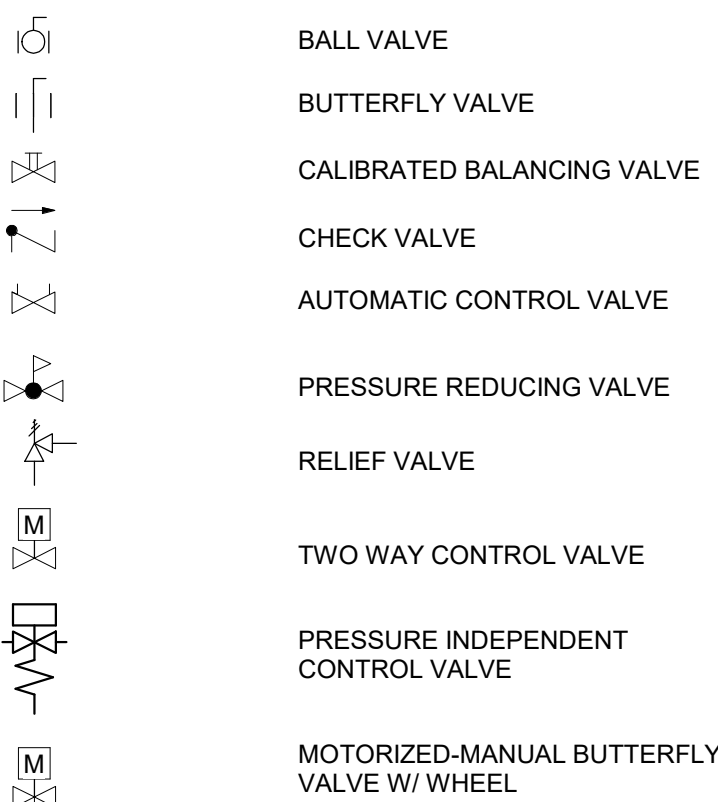
PIPING ACCESSORIES



DUCTWORK ACCESSORIES



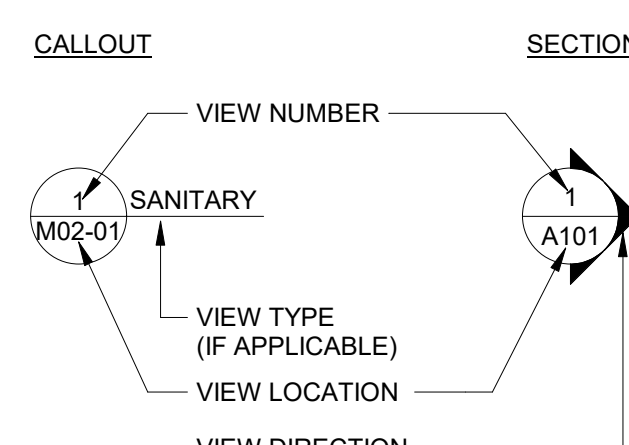
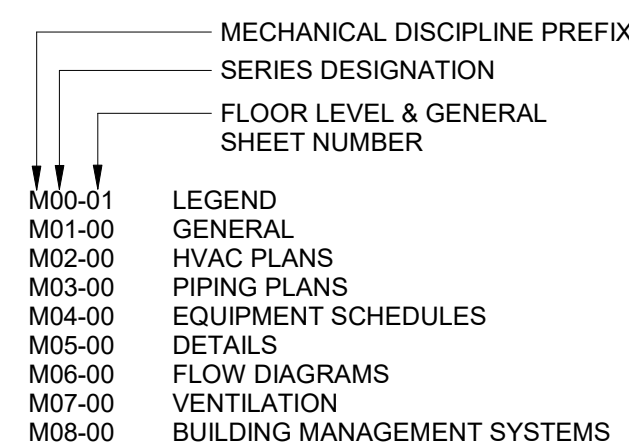
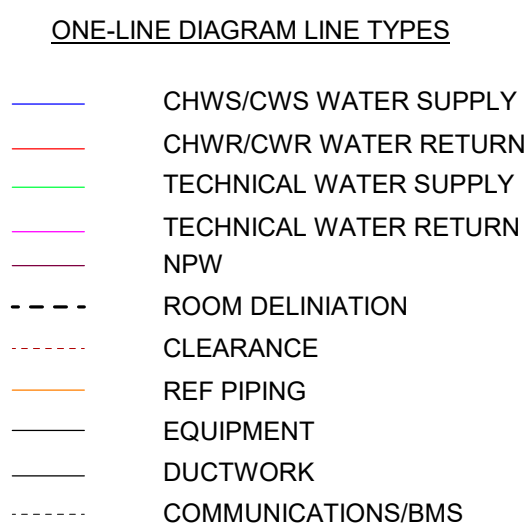
PIPING VALVE TYPES



ABBREVIATIONS

ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
ABD	AUTOMATIC BALL DROP	FS	FLOOR SINK	QTY. (X)	QUANTITY
ABV	ABOVE	FT	FOOT, FEET		
AD	AREA DRAIN	FU	FIXTURE UNIT		
AFB	ABOVE FINISHED FLOOR			R	RISE
AFG	ABOVE FINISHED GRADE	GAL	GALLON	RAF	RAISED ACCESS FLOOR
AHJ	AUTHORITY HAVING JURISDICTION	GPF	GALLONS PER FLUSH	RCPT	RECEPTACLE
AP	ACCESS PANEL	GPH	GALLONS PER HOUR	RD	ROOF DRAIN
APPROX	APPROXIMATE	GPM	GALLONS PER MINUTE	REF	REFERENCE
ARCH	ARCHITECTURAL	GW	GRAY WATER	REOD	REQUIRED
ASSY	ASSEMBLY			RFI	REQUEST FOR INFORMATION
AUTO	AUTOMATIC	HB	HOSE BIBB	RM	ROOM
BFP	BACKFLOW PREVENTER	HD	HUB DRAIN	RO	REVERSE OSMOSIS
BHP	BRAKE HORSEPOWER	HORIZ	HORIZONTAL	RPM	REVOLUTIONS PER MINUTE
BLDG	BUILDING	HP	HORSEPOWER	RPZ	REDUCED PRESSURE ZONE
BLW	BELOW	HW	HOT WATER	S.S.	STAINLESS STEEL
BO	BOY	HWR	HOT WATER RETURN	SAN	SANITARY LINE
BOT	BOTTOM	INT	INTERIOR, (INTERNAL)	SCHED	SCHEDULE
				SECT	SECTION
C	CUBIC FEET PER HOUR	I.E.	INVERT ELEVATION	SEG	SEGMENT
CD	CONDENSATE	ID	ID, DIAMETER, INSIDE	SF OR	SQUARE FOOT
CI	CAST IRON	IN	INCHES	SO, FT.	SOIL, FEET
CKV	CHECK VALVE	IW	INDIRECT WASTE	SH	SHOWER
CL	CENTER LINE			SIB	STRUCTURAL ISOLATION BREAK
CLN	CLEAN OUT	JC	JANITOR'S CLOSET	SIM	SIMILAR
CORP	CORPORATION			SK	SINK
COL	COLUMN	KW	KILOWATT	SP	SUMP PUMP
CONC	CONCRETE			SPECS	SPECIFICATIONS
CONN	CONNECTION	LAV	LAVATORY	SQ. IN.	SQUARE INCH
CONST	CONSTRUCTION	LBS	POUNDS	SS	SERVICE SINK
CONT	CONTINUE, CONTINUOUS	LF	LINEAR FEET	ST	STORM LINE
COTG	CLEAN OUT TO GRADE			STD	STANDARD
COWP	CLEAN OUT WALL PLATE	MECH	MECHANICAL	STL	STEEL
CW	COLD WATER	MFR	MANUFACTURER, (ED)	STRUC	STRUCTURAL
		MH	MANHOLE		
DEPT	DEPARTMENT	MIN	MINIMUM	TBD	TO BE DETERMINED
DET	DETAIL	MSB	MOP SINK BASIN	TEMP	TEMPERATURE
DIA	DIAMETER	MTD	MOUNTED	THD	THREAD
DIAG	DIAGRAM, (RAMMATIC, ONAL)	MTG	MOUNTING	THK	THICKNESS
DISC	DISCONNECT			TMV	THERMOSTATIC MIXING VALVE
DISCH	DISCHARGE	N.I.C.	NOT IN CONTRACT	TO	TELECOMMUNICATIONS OUTLET
DN	DOWN	NC	NORMALLY CLOSED	TOC	TOP OF CONCRETE
DOM	DOMESTIC	NF	NON-FREEZE	TOP	TOP OF PARAPET
DR	DRAIN PIPE	NFWH	NON-FREEZE WALL HYDRANT	TOS	TOP OF STEEL
DWG	DRAWING	NYH	NON-FREEZE YARD HYDRANT	TOT	TOTAL
		NO	NORMALLY OPEN	TS	TUBE STEEL
EA	EACH	NO	NUMBER	TWR	TECHNICAL WATER RETURN
ELEC	ELECTRICAL	NPS	NOMINAL PIPE SIZE	TWS	TECHNICAL WATER SUPPLY
ELEV	ELEVATION	NTS	NOT TO SCALE	TYP	TYPICAL
EMER	EMERGENCY				
ENCL	ENCLOSE, ENCLOSURE	O.D.	OUTSIDE DIAMETER	UNL	UNDERWRITERS LABORATORIES
EQPT	EQUIPMENT	OR-FD	OVERFLOW ROOF DRAIN	UNO	UNLESS NOTED OTHERWISE
ESW	EMERGENCY SHOWER EYEWASH	OF-ST	OVERFLOW STORM LINE	UPS	UNINTERRUPTABLE POWER SUPPLY
EST	ESTIMATE	OWNER	OWNER FURNISHED CONTRACTOR INSTALLED		
EVAP	EVAPORATE, (EYE, OR)	OS&Y	OUTSIDE STEM AND YOGE VALVE	V	VENT
EW	ELECTRIC WATER COOLER			V.I.F.	VERIFY IN FIELD
EXC	EXISTING	%	PERCENT	VOL	VOLUME
		PD	PRESSURE DROP/ PUMP DISCHARGE	VRV	VERIFY
FD	FLOOR DRAIN	PH	PHASE	VTR	VENT THRU WALL
FDC	FIRE DEPARTMENT CONNECTION	PLBG	PLUMBING	VTW	VENT THRU ROOF
FF	FINISHED FLOOR	PRESS	PRESSURE		
FIG	FIGURE	PRV	PRESSURE REDUCING VALVE	W	WASTE LINE
FLR	FLOOR	PS	PRESSURE SWITCH	W/	WITH
FM	FACTORY MUTUAL	PSI	POUNDS PER SQUARE INCH	W/O	WITHOUT
FP	FIRE PROTECTION	PVC	POLYVINYL CHLORIDE	WC	WATER CLOSET

LINE TYPES



SHEET LIST

		MASTERPLAN & CONCEPT	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	UNDERGROUND PERMIT
SHEET NUMBER	SHEET NAME				
M00-01	MECHANICAL LEGEND				
M01-00	MECHANICAL PIPING - DATA CENTER ROOF - OVERALL				
M01-01	CHILLED WATER FLOW DIAGRAM - ROOF - CHILLER PLANT ONE - A				
M01-02	CHILLED WATER FLOW DIAGRAM - ROOF - CHILLER PLANT ONE - B				
M01-03	CHILLED WATER FLOW DIAGRAM - ROOF - CHILLER PLANT ONE - C				
M01-04	CHILLED WATER FLOW DIAGRAM - ROOF - CHILLER PLANT ONE - D				
M01-05	CHILLED WATER FLOW DIAGRAM - LEVEL 3 WEST - 12MW				
M01-06	CHILLED WATER FLOW DIAGRAM - LEVEL 3 EAST - 12MW				
M01-07	CHILLED WATER FLOW DIAGRAM - LEVEL 2 WEST - 12MW				
M01-08	CHILLED WATER FLOW DIAGRAM - LEVEL 2 EAST - 12MW				
M01-09	CHILLED WATER FLOW DIAGRAM - LEVEL 1 WEST - 12MW				
M01-10	CHILLED WATER FLOW DIAGRAM - LEVEL 1 - EAST - 12MW				
SHEET TOTAL: 12					

GENERAL NOTES

- THIS STANDARD LEGEND SHEET PROVIDES ADDITIONAL INFORMATION AND BUILDING REQUIREMENTS. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT BE DEFINED HEREIN. INTERFERENCES REQUESTED FROM THE GENERAL CONTRACTOR, COMMENTS, SHEET GENERAL NOTES, SCHEDULE NOTES OR OTHER ARE TO BE PROVIDED IN WRITTEN FORM TO THE ENGINEER AND FOLLOW THE PROJECT PROTOCOL OF SUBMITTING THOSE RISKS.
- B. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL CODES, LAWS, AMENDMENTS, ORDINANCES AND REGULATIONS OF THE LOCAL, STATE, COUNTY, AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PREMISES. THIS SHOULD INCLUDE, BUT NOT BE LIMITED TO, THE LATEST ADOPTED VERSION OF THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL FIRE CODE, AND INTERNATIONAL BUILDING CODE. THE NATIONAL FIRE PROTECTION ASSOCIATION, IN CASE OF DIFFERENCES, THE MOST RESTRICTIVE OF SAID REGULATIONS SHALL GOVERN. HOWEVER, THIS SHALL NOT BE CONSTRUED TO RELIEVE THE CONTRACTOR FROM THE OBLIGATION TO FOLLOW THE REQUIREMENTS OF THE CODES AND SPECIFICATIONS WHICH MAY BE IN EXCESS OF CODE REQUIREMENTS. CONTRACTOR TO ALSO VERIFY ALL LOCAL JURISDICTION INSPECTIONS AND FORMS ARE COMPLETED FOR C.O. OF THE PROJECT.
- C. TO OBTAIN ALL CONTRACTOR INFORMATION, ALL SPECIFICATIONS AND DRAWINGS (E.G. ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL & ELECTRICAL, PLUMBING AND FIRE PROTECTION) MUST BE USED. INFORMATION IN THESE PLANS DO INDICATE OTHER DRAWING SECTIONS FOR ADDITIONAL INFORMATION.
- D. BRING TO THE ATTENTION OF THE ARCHITECT/ENGINEER ANY INFORMATIONAL CONFLICTS WITHIN THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTORS SHALL NOT PROCEED WITH WORK, EXCEPT AS NOTED, UNTIL THE CONFLICTS ARE RESOLVED, AND THE CLARIFYING INFORMATION IS ISSUED TO THE CONTRACTORS BY THE ARCHITECT/ENGINEER.
- E. DRAWINGS ARE SCHEMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT ROUTING OF SERVICES WITH EXISTING CONDITIONS AND WITH OTHER TRADES. SHOP DRAWINGS SUBMITTED TO ENGINEER FOR REVIEW ARE TO INCLUDE THIS COORDINATION WITH EXISTING CONDITIONS AND WITH OTHER TRADES. THE PLAN AND FIELD CONDITIONS RESULTING IN RE-WORK DUE TO UNAPPROVED SHOP DRAWINGS WILL BE AT THE CONTRACTORS EXPENSE.
- F. PROVIDE OFFSETS AND TRANSITIONS IN DUCTWORK AND PIPING AS REQUIRED TO AVOID INTERFERENCES AT NO ADDITIONAL COST TO THE OWNER. THOUGH SOME OFFSETS AND TRANSITIONS ARE SHOWN IN THE DRAWINGS, THE CONTRACTOR SHALL MAINTAIN THE WORKING RELATIONSHIP BETWEEN THEM. IF IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL PIPING AND SHEET METAL OFFSETS AND TRANSITION REQUIRED, THE CONTRACTOR SHALL PROVIDE WITH ASSOCIATED HARDWARE AS A RESULT OF THE 3RD PARTY ENGINEER'S RECOMMENDATION. PROJECT FEES TO INCLUDE THESE ASSOCIATED COST.
- G. INSTALL ALL EQUIPMENT LEVEL AND PLUMB. PROVIDE BLOCKING, ANCHORING AND MOUNTING HARDWARE AS REQUIRED FOR PROPER INSTALL OF THE MECHANICAL SYSTEM. THIS INCLUDES 3RD PARTY ENGINEERING TO BE PROVIDED FOR AND SUBMITTED FOR REVIEW AND APPROVAL. CONTRACTOR TO PROVIDE ALL HARDWARE AS REQUIRED BY THE 3RD PARTY ENGINEER'S RECOMMENDATION. PROJECT FEES TO INCLUDE THESE ASSOCIATED COST.
- H. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF SHOP DRAWINGS AND WORK. EXISTING CONDITIONS AND EXISTING CONNECTIONS TO EQUIPMENT, UNLESS OTHERWISE INDICATED, VERIFY ALL EQUIPMENT AND CODE REQUIREMENTS ARE ADHERED TO. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL SERVICE CIRCULARS ARE MAINTAINED TO MEET CODE AND WARRANTY REQUIREMENTS.
- I. CONCENTRATE LOADS AT JOIST AND/or BEAM LOCATION, WHERE CONCENTRATED LOADS ARE INDICATED IN THE STRUCTURAL DRAWINGS. PROVIDE ADDITIONAL SUPPORTS AT PHYSICAL LOCATIONS. PROVIDE ADDITIONAL SUPPORT FRAMING AND/or ANGLES BRACING. PROVIDE 3RD PARTY ANALYSIS OF MECHANICAL SYSTEM ANCHORING AS NEEDED. REVIEW ALL NECESSARY SPECIFICATIONS AND DRAWINGS TO PROVIDE A THOROUGH ANALYSIS.
- J. DUCT CONSTRUCTION SHALL COMPLY WITH THE LATEST VERSION OF SMACNA. PROVIDE STANDARD SLOPE. ALL DUCT FITTINGS TO BE LOW LOSS FOR LONG RADIIUS 90 DEGREE ELBOWS UNLESS SPACE IS LIMITED. SHORT RADIIUS AND RECTANGULAR ELBOWS SHALL HAVE TURNING VANS. UNLESS OTHERWISE NOTED FOR BRANCH CONNECTIONS PROVIDE TURNING VANS. LOSS CONICAL TAPS FOR ROUND DUCTS AND 45 DEGREE TAPS FOR RECTANGULAR DUCTS.
- K. MINIMUM FLEXIBLE DUCTWORK SHALL NOT BE USED IN RETURN OR EXHAUST DUCT SYSTEMS. FLEXIBLE DUCTWORK MAY BE USED IN THE SUPPLY SYSTEM PROVIDED THE LENGTH IS LIMITED TO A TOTAL LENGTH OF SIX (6) FEET.
- L. ALL DUCTWORK SECTIONS INDICATED ARE INSIDE CLIMATE DIMENSIONS. FOR INTERNALLY INSULATED, LINED DUCTWORK, CONTRACTOR TO INCREASE DUCTWORK SIZE ACCORDINGLY TO ACCOUNT FOR LINER THICKNESS.
- M. PROVIDE DUCTWORK TO AIR DEVICES AT THE SCHEDULED INLET SIZE UNLESS OTHERWISE INDICATED. PROVIDE REDUCER AT NECK OF THE AIR DEVICE.
- N. PROVIDE DUCTWORK FROM TERMINAL AIR UNITS DEVICE INLET DIMENSION SIZE UNLESS OTHERWISE INDICATED. PROVIDE TRANSITION AS REQUIRED PRIOR TO THE STRAIGHT INLET CONDITION OF THE TERMINAL AIR UNIT.
- O. COORDINATE DUCTWORK PENETRATIONS OF ALL FIRE RATED AND SMOKE RESISTIVE CONSTRUCTION WITH LIFE SAFETY PLANS FOR LOCATIONS. PENETRATION ASSEMBLY TO BE U.L. LISTED. REFER TO ARCHITECTURAL PLANS FOR ACCEPTABLE U.L. LISTED PENETRATION SOLUTIONS.
- P. PROVIDE AND PAINT ALL BLACK THE INSIDE OF ALL DUCTWORK VISIBLE THROUGH DIFFUSERS, GRILLES, AND REGISTERS.
- Q. PROVIDE OPEN END DUCTWORK WITH 1/2"X1/2" (2X2 MESH) ALUMINUM SCREEN MESH WITH REMOVABLE FRAMES AND REMOVABLE FASTENERS TO ENSURE ACCESS FOR MAINTENANCE PURPOSES.
- R. FURNISH AND INSTALL ALL MANUALLY OPERATED VOLUME CONTROL (BALANCING) DAMPERS, AS REQUIRED BY THE INTERNATIONAL MECHANICAL CODE, TO PERFORM THE BALANCING WORK, AT EACH BRANCH TAKE-OFF AND EACH AIR TERMINAL DEVICE, AND AT EACH TAKE-OFF. THE INDICATED DAMPER SHALL BE TYPE 100, TYPE 100A, TYPE 100B, TYPE 100C, TYPE 233000 & 230593. PROVIDE LINKAGE VOLUME DAMPERS TO DAMPERS LOCATED ABOVE HANGING CEILINGS SIMILAR TO YOUNG REGULATOR MODEL 927C. SOLID LINKAGE DAMPER IN DUCTWORK.
- S. FIELD SYSTEMS SHALL BE BALANCED TO AIRFLOWS INDICATED ON DRAWINGS. FANS SHALL BE FIELD TESTED TO ENSURE COMPLIANCE WITH SCHEDULED FAN PERFORMANCE AND SCHEDULED AIRFLOW AT THE DESIGN STATIC PRESSURE LISTED. ALL DUCTWORK TO BE FIELD TESTED PER SPECIFICATIONS 2321A1 AND 2321A2. DUCTWORK INSIDE A RATED ENCLOSURE IS TO BE FIELD TESTED PRIOR TO THE FIELD TESTING OF THE DUCT. THIS DUCTWORK CAN BE USED AS PART OF THE PORTION TO BE TESTED PER THE SPEC.
- T. PROVIDE FLEXIBLE CONNECTIONS BETWEEN DUCTWORK AND ALL FANS AND ALL AIR HANDLING EQUIPMENT. FLEXIBLE DUCTWORK TO ALSO BE USED WHEN DUCTWORK IS REQUIRED TO EXPAND OR CONTRACT. PROVIDE TRANSITION TO THE DUCTWORK PLANS AND PROVIDE MATERIALS TO ALLOW FOR THE INDICATED MOVEMENT.
- U. COORDINATE EXACT LOCATION OF DIFFUSERS, GRILLES, AND REGISTERS WITH THE REFLECTED CEILING PLANS BEFORE INSTALLATION. PROVIDE SYMMETRY WITH THE ROOM LIGHTING SYSTEMS AND AVOID OTHER CEILING MOUNTED DEVICES SUCH AS SPRINKLER HEADS, HEAT/SMOKE DETECTORS, AND EXIT SIGNS.
- V. VERIFY DIFFUSER, GRILLE, AND REGISTER MOUNTING FRAME TYPES WITH THE CEILING SYSTEMS. VERIFY THE FRAME TYPES MATCHES CEILING CONFIGURATION AND COORDINATED WITH ENGINEER AND ARCHITECT.
- W. PROVIDE 4" CONCRETE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED MECHANICAL EQUIPMENT. COORDINATE SIZE AND LOCATION WITH ALL TRADES. EQUIPMENT OVER RAISED ACCESS FLOORS (RAF) SHALL USE METAL SUPPORT STANDS PROVIDED BY MANUFACTURER OF EQUIPMENT. A MINIMUM 1/2" STAND TO BE PROVIDED.
- X. PROVIDE ACCESS DOORS AND/OR PANELS IN HARD CEILINGS AND WALLS TO PERMIT ACCESS TO DAMPERS, VALVES, AND CONCEALED EQUIPMENT. DESIGN INTENT IS TO MINIMIZE USE OF ACCESS DOORS AND RELOCATE EQUIPMENT AS NEEDED TO AVOID ACCESS DOORS WHERE POSSIBLE.
- Y. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY AND ADJUST PER SITE CONDITIONS.
- Z. REFER TO ARCHITECTURAL GENERAL INFORMATION SHEETS FOR MOUNTING HEIGHTS OF TERMINAL DEVICES. IF NOT PROVIDED, MOUNT ROOM THERMOSTATS AT 44 INCHES AFF TO BOTTOM OF DEVICE, AND OCCUPANCY SENSORS AT 84 INCHES AFF FROM BOTTOM OF DEVICE UNLESS OTHERWISE INDICATED.
- AA. COORDINATE ALL WALL MOUNTED DEVICES SUCH AS THERMOSTATS AND CONTROL PANELS WITH ARCHITECTURAL INTERIOR ELEVATIONS.
- BB. REFRIGERANT PIPE ROUTINGS SHOWN ARE FOR DESIGN INTENT ONLY. CONTRACTOR SHALL VERIFY, WITH MANUFACTURER SUPPORT, REFRIGERANT PIPE ROUTING, PIPE SIZE AND REFRIGERANT FILLING. CONTRACTOR TO PROVIDE THE NECESSARY WORK. CONTRACTOR TO PROVIDE SPECIFIED REFRIGERANT AS REQUIRED TO FILL THE SYSTEM.
- CC. EXCEPT AS REQUIRED BY THE IMC, MATERIALS WITH IN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH



CONSULTANTS

ARCH

STRUCTURAL

CIVIL

[illegible]

Contact:
Engineer of Record
License #:

Phone: _____
Exp. Date: _____

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SILVER CREEK

MECHANICAL LEGEND

PROJECT NUMBER

24554

SHEET NUMBER

M00-01



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SILVER CREEK

MECHANICAL
PIPING - DATA
CENTER ROOF -
OVERALL

PROJECT NUMBER	24554
SHEET NUMBER	

M01-00

CHILLER PLANT ONE - DESIGN INFORMATION	
MANUFACTURER/MODEL	GEOCLIMA AIR-COOLED CHILLER MODEL TMA 42D1008 C32 13 1W
MAXIMUM CRITICAL IT LOAD (MW)	72
MAXIMUM CHILLER PLANT LOAD (MW)	82.8
CHILLER CAPACITY (TONkW) (% TEST TOLERANCE)	646 / 2.158
CHILLED WATER SUPPLY/RETURN TEMPERATURE (F)	70 / 86
DESIGN FLOW RATE PER CHILLER (GPM)	1,024
DESIGN AMBIENT TEMPERATURE (F) (N=20YEAR + 5°F)	115
CHILLER COUNT PER DH (N)	6
CHILLER COUNT WITH REDUNDANCY PER DH (N+1)	7
TOTAL CHILLER QTY	42

REFER TO DRAWING M01-02 FOR MORE DETAIL



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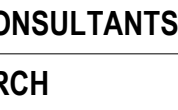
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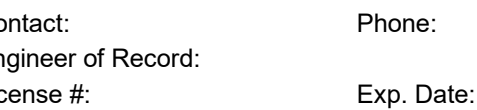
M01-01

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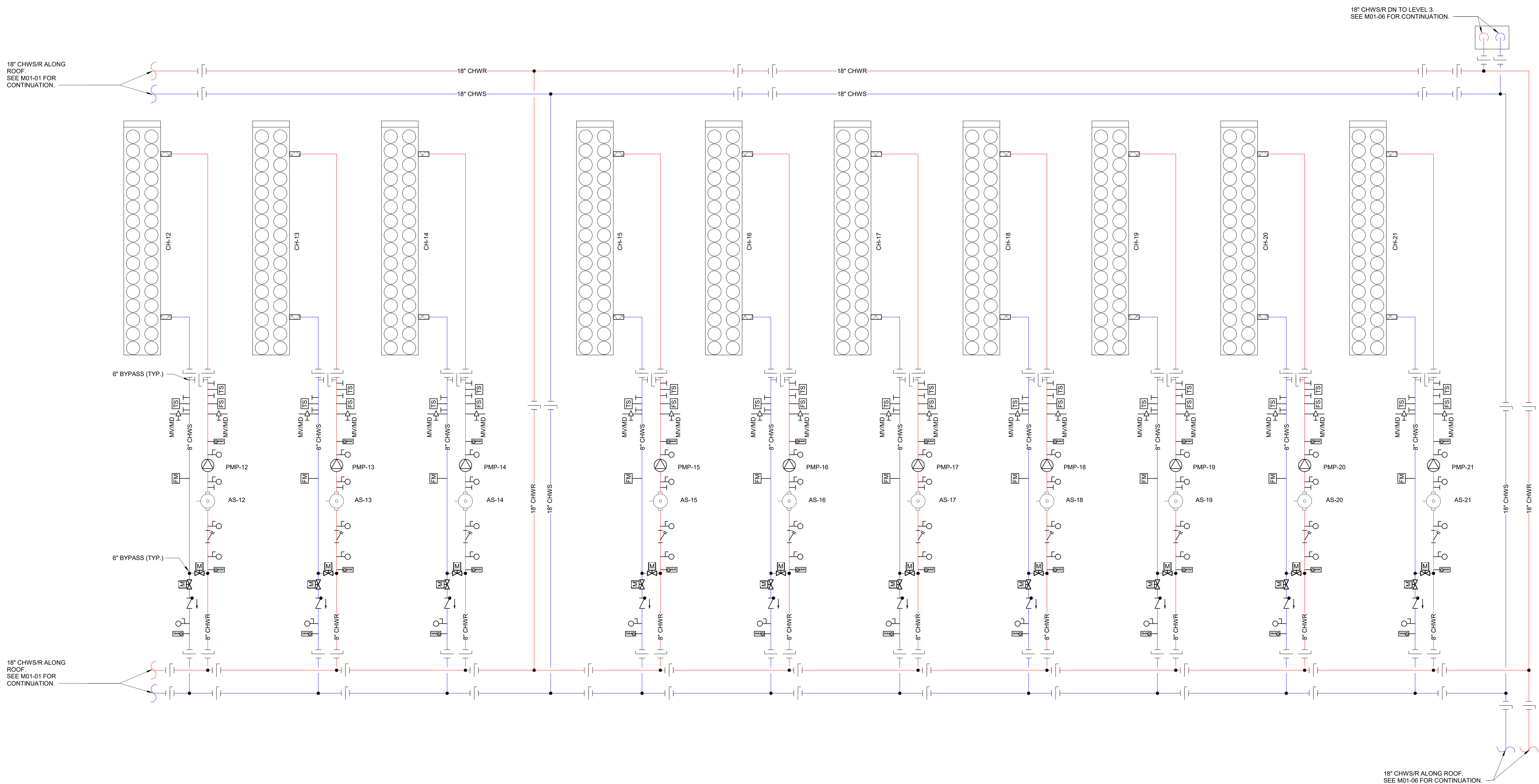
SILVER CREEK

CHILLED WATER
FLOW DIAGRAM -
ROOF - CHILLER
PLANT ONE - B

PROJECT NUMBER	24554
SHEET NUMBER	

M01-02

CHILLER PLANT ONE - DESIGN INFORMATION		
MANUFACTURER/MODEL	GEOLICAIR AIR-COOLED CHILLER MODEL TMA 4D21008 C32 13 1W	
MAXIMUM CRITICAL IT LOAD (MW)		72
MAXIMUM CHILLER PLANT LOAD (MW)		82.8
CHILLER CAPACITY (TONkW) (%5 TEST TOLERANCE)		646 / 2.158
CHILLED WATER SUPPLY/RETURN TEMPERATURE (F)		70 / 86
DESIGN FLOW RATE PER CHILLER (GPM)		1,024
DESIGN AMBIENT TEMPERATURE (F) (N=20YEAR + 5°F)		115
CHILLER COUNT PER DH (N)		6
CHILLER COUNT WITH REDUNDANCY PER DH (N+1)		7
TOTAL CHILLER QTY		42



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SILVER CREEK

PROJECT NUMBER	24554
SHEET NUMBER	

M01-03



STRUCTURAL

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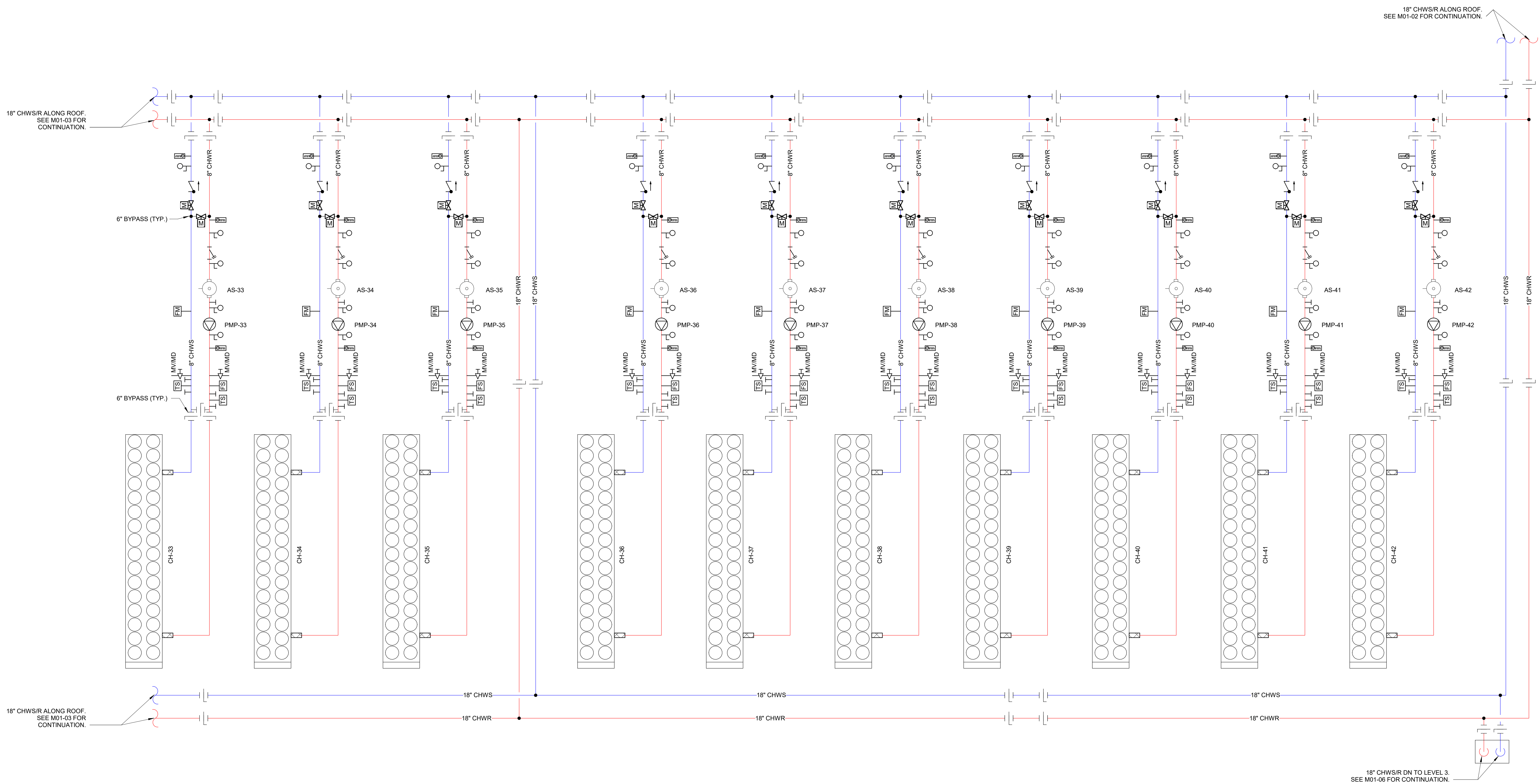
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SILVER CREEK

PROJECT NUMBER	24554
SHEET NUMBER	

M01-04

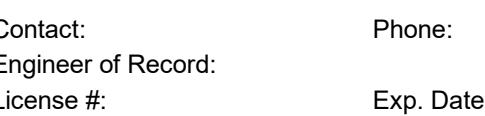


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[illegible]

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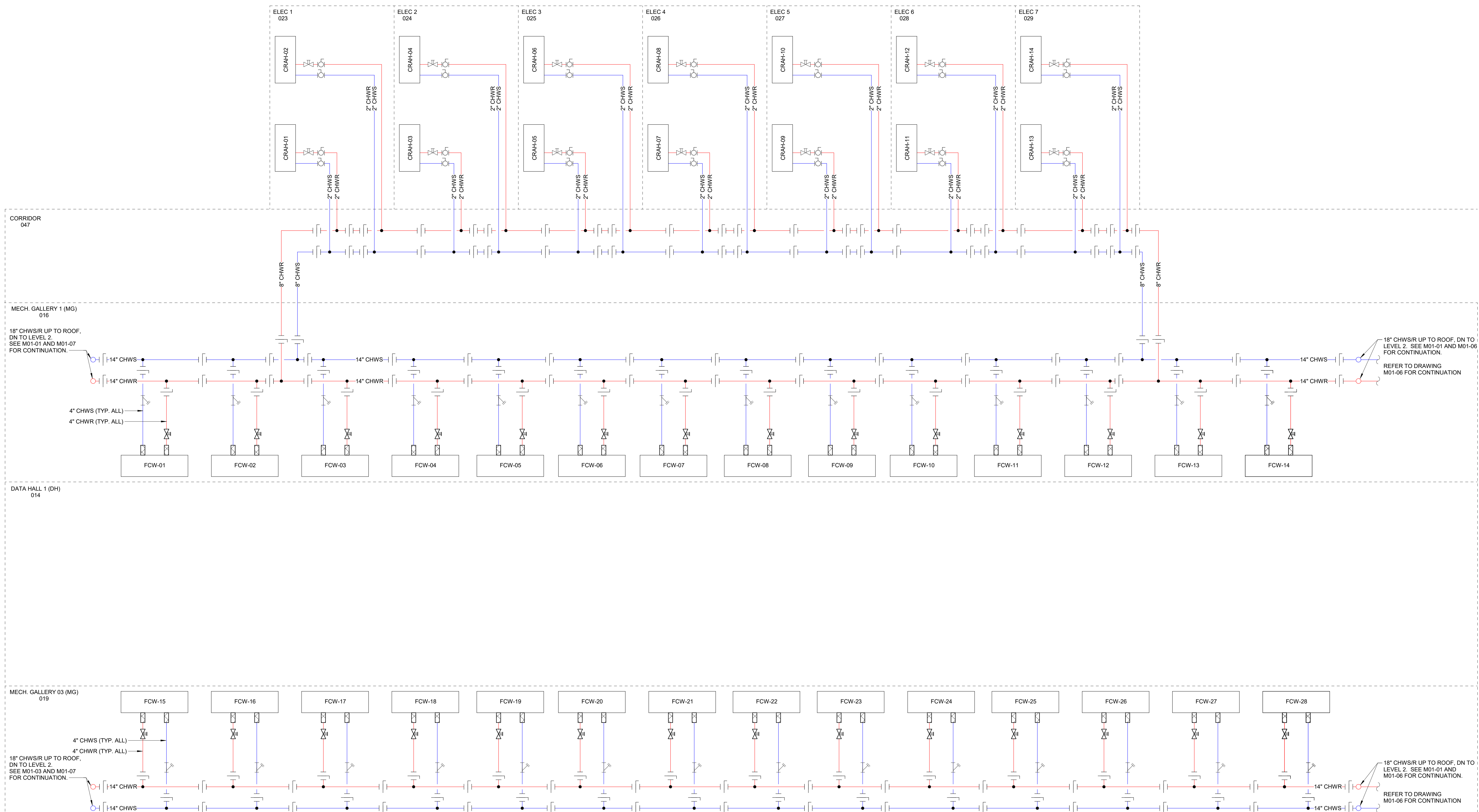
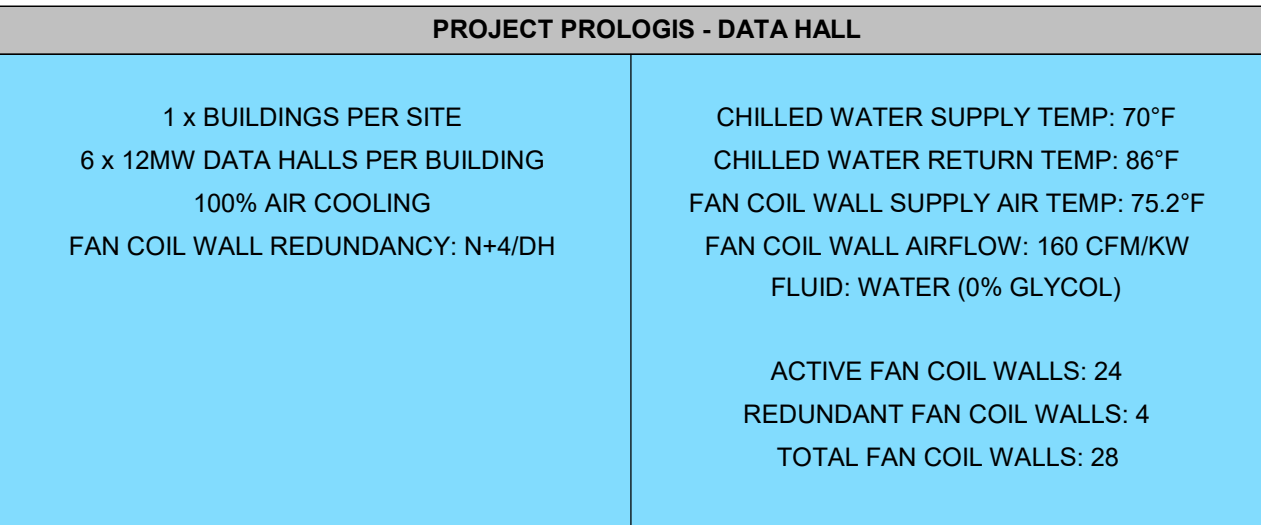
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SILVER CREEK

CHILLED WATER
FLOW DIAGRAM -
LEVEL 3 WEST -
12MW

PROJECT NUMBER	24554
SHEET NUMBER	

M01-05



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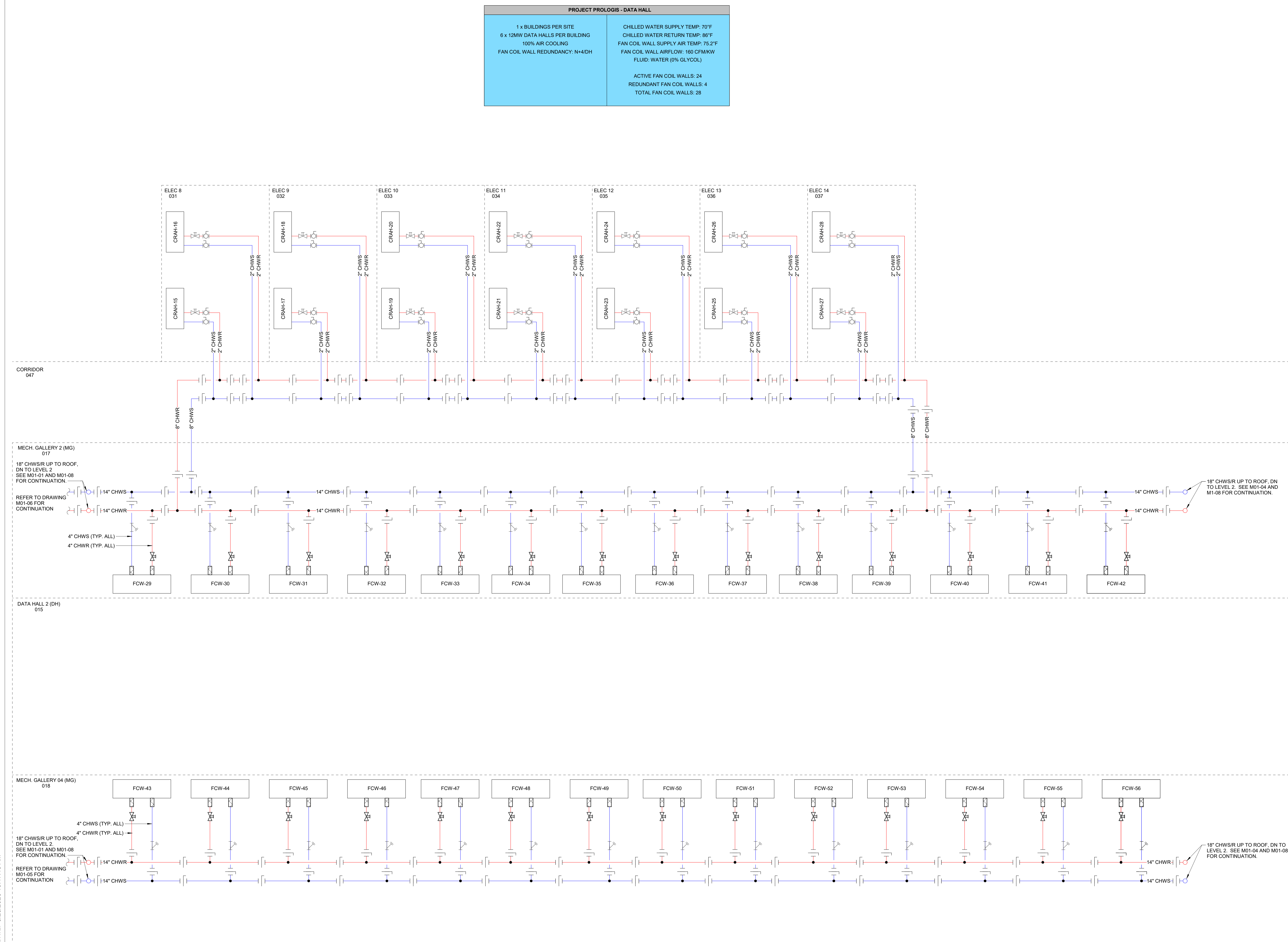
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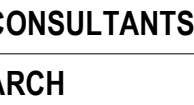
SILVER CREEK

PROJECT NUMBER	24554
SHEET NUMBER	

M01-06



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Engineer of Record: _____
License #: _____ Exp. Date: _____

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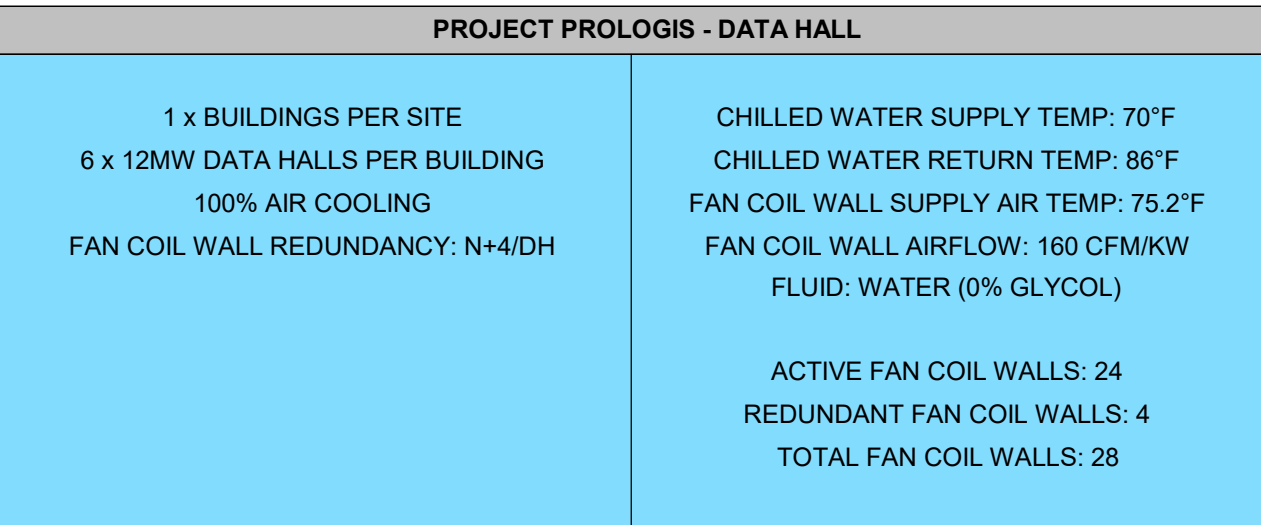
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SILVER CREEK

CHILLED WATER
FLOW DIAGRAM -
LEVEL 2 WEST -
12MW

PROJECT NUMBER	24554
SHEET NUMBER	

M01-07



POST DATE: 3/25/2026 10:47:46 AM



CIVIL

[illegible]

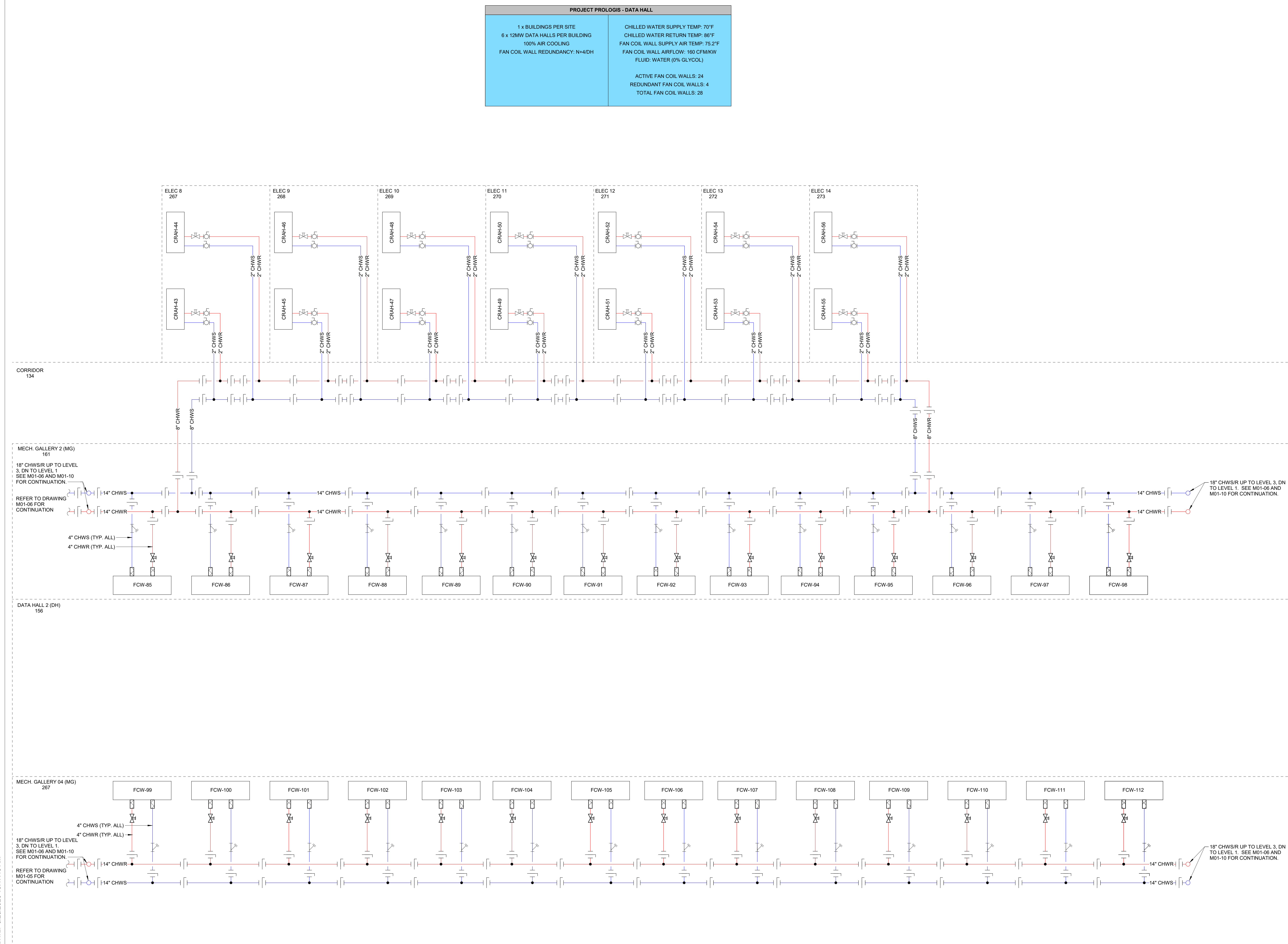
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SILVER CREEK

PROJECT NUMBER	24554
SHEET NUMBER	

M01-08



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[illegible]

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Engineer of Record: _____
License #: _____ Exp. Date: _____

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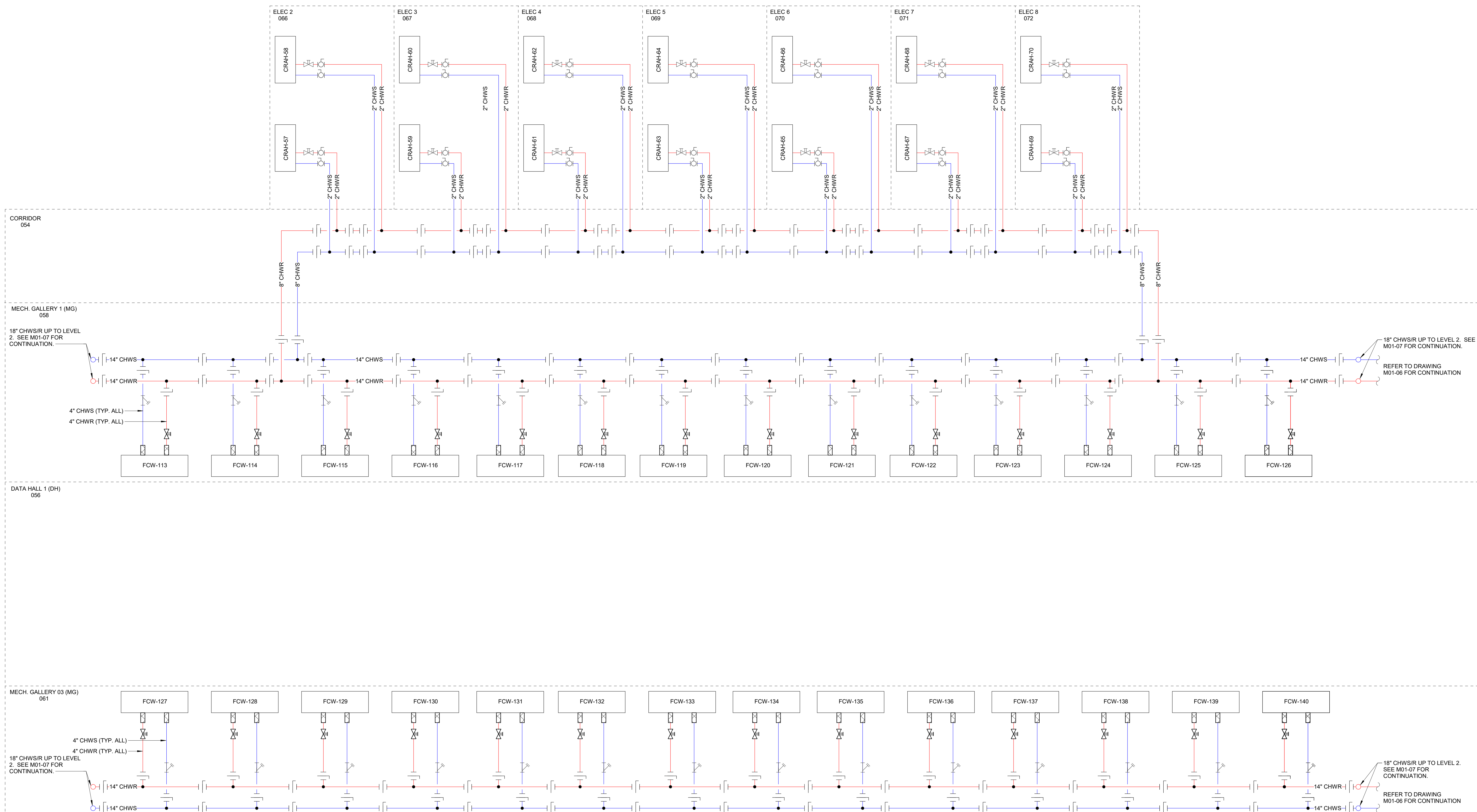
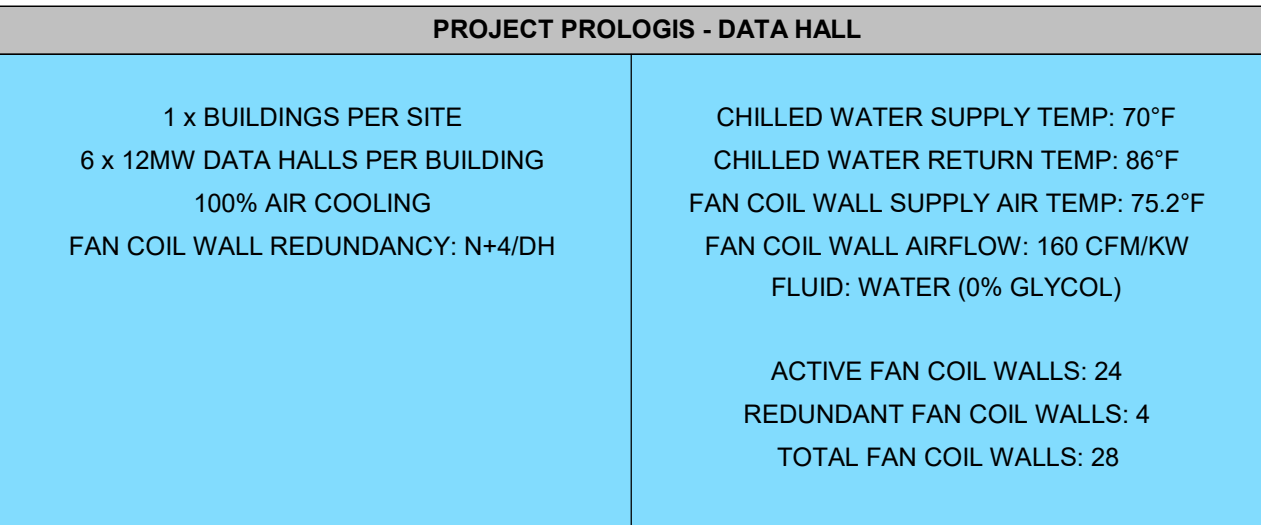
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SILVER CREEK

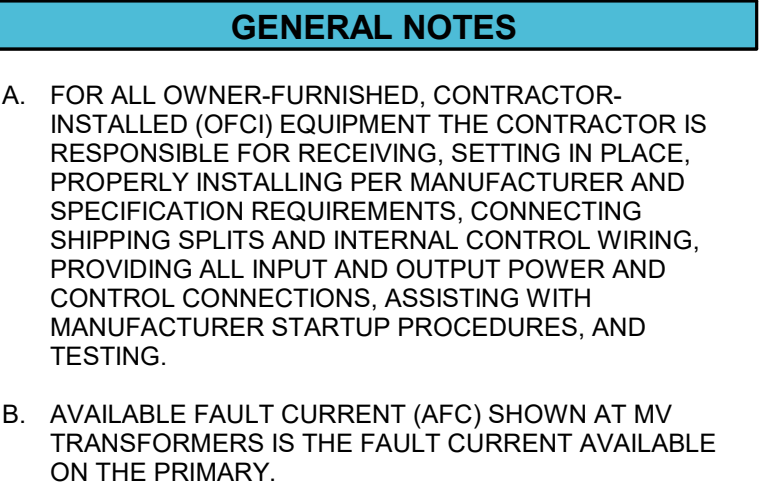
CHILLED WATER
FLOW DIAGRAM -
LEVEL 1 WEST -
12MW

PROJECT NUMBER	24554
SHEET NUMBER	

M01-09



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STRUCTURAL

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Date of issue: 03.20.2026

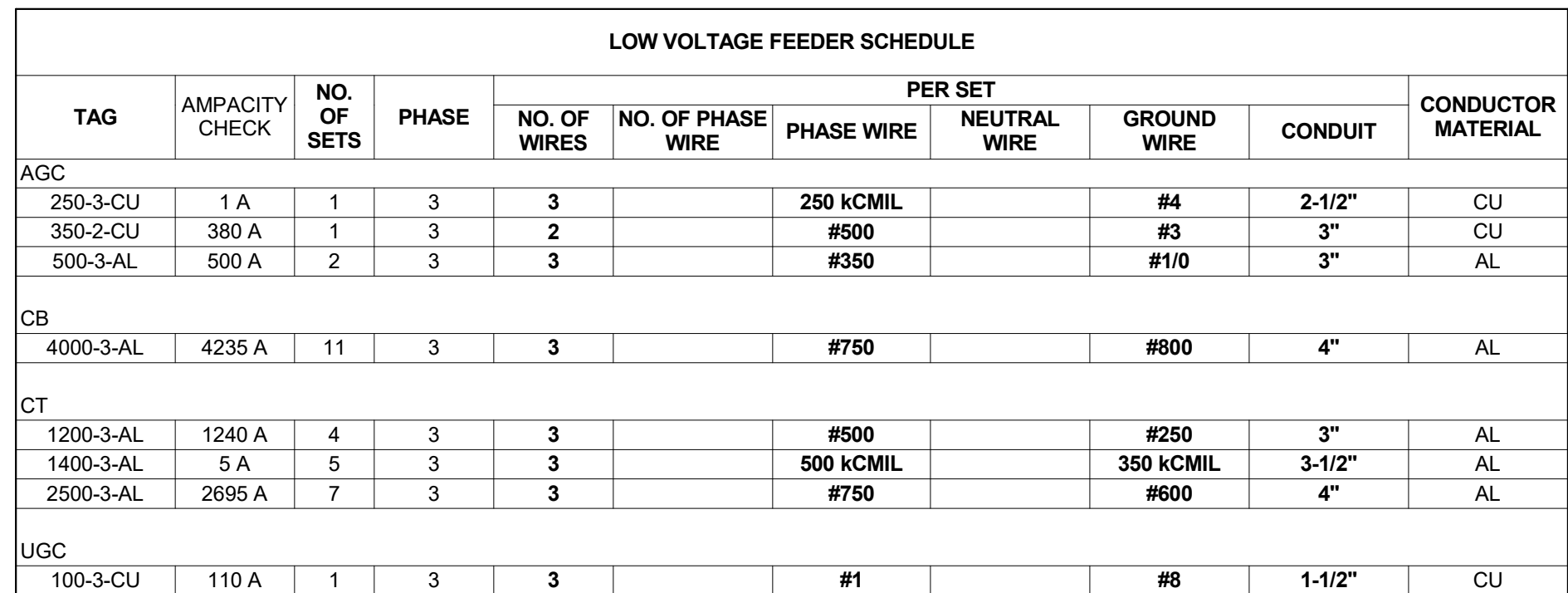
SILVER CREEK

PROJECT NUMBER	24554.0000
SHEET NUMBER	

E01-01

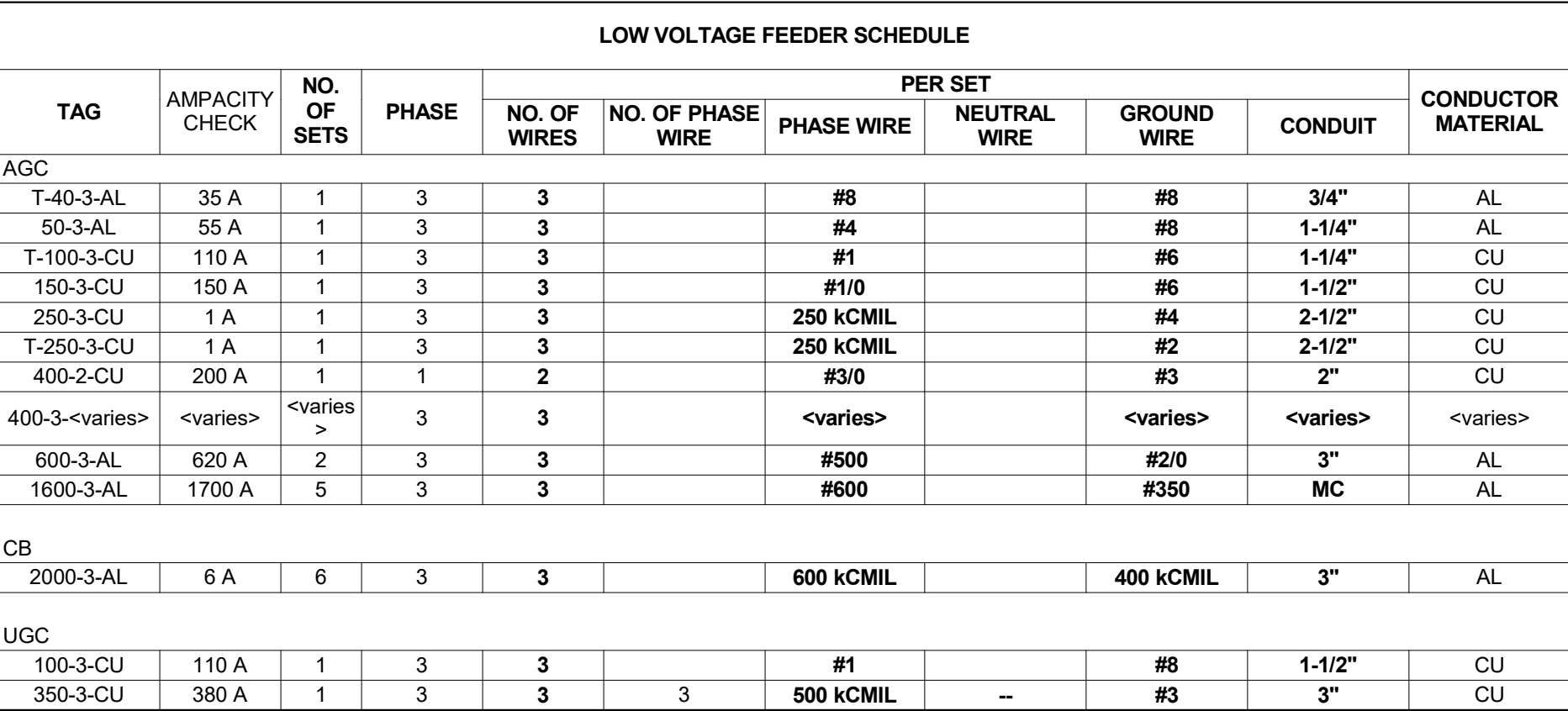
MEDIUM VOLTAGE FEEDER SCHEDULE (MV-105, 133%)									
TAG	NO. OF SETS	PER SET					CONDUCTOR MATERIAL	RACEWAY TAG	SPARE CONDUIT
		PHASE	NO. OF PHASE WIRE	PHASE WIRE	NEUTRAL WIRE	GROUND WIRE			
UGC									
MV-300-3-AL	1	3	3	500 kCMIL	--	#10	6" (PVC-SCH-40)	AL	UGC (1) 6"
MV-2000-3-AL	6	3	3	750 kCMIL	--	400 kCMIL	6" (PVC-SCH-40)	AL	UGC (3) 6"

POST DATE: 3/16/2026 8:36:33 AM



ELECTRICAL
SINGLE-LINE -
TYPICAL RESERVE
CRITICAL SYSTEM

E01-03



NOTES:
A. WHERE CABLE BUS (CB) IS SPECIFIED THERE IS ONLY A SINGLE GROUND WIRE PER CABLE BUS UNLESS MANUFACTURER'S DESIGN UTILIZES PARALLEL GROUNDS. FINAL CABLEBUS SIZING SHALL BE PROVIDED BY CABLEBUS MANUFACTURER AND BE DESIGNED IN ACCORDANCE WITH NEC TABLE 310.16 FOR A 75C OPERATING TEMPERATURE IN A 40C AMBIENT.

[illegible]

Contact: _____ Phone: _____
 Engineer of Record: _____
 License #: _____ Exp. Date: _____

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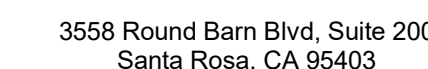
Date of issue: 03.20.2026

SILVER CREEK

ELECTRICAL SINGLE-LINE - TYPICAL HOUSE SYSTEM

PROJECT NUMBER	24554.0000
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SHEET NUMBER



ARCH

STRUCTURAL

CIVIL



Phone: _____

Exp. Date: _____

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Date of issue: 03.20.2026

SILVER CREEK

1 POWER PLAN - LEVEL 01 - OVERALL
1" = 20'-0"

PROJECT NUMBER	24554.0000
SHEET NUMBER	

E02-01

POST DATE: 3/16/2026 8:36:43 AM



STRUCTURAL

CIVIL



STRATEGIC
MISSION CRITICAL

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License #:	Exp. Date:

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Date of issue: 03.20.2026

SILVER CREEK

POWER PLAN -
LEVEL TWO -
OVERALL

PROJECT NUMBER	24554.0000
SHEET NUMBER	

E02-02



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Date of issue: 03.20.2026

SILVER CREEK

POWER PLAN -
LEVEL THREE -
OVERALL

PROJECT NUMBER	24554.0000
SHEET NUMBER	

E02-03



1 POWER PLAN - LEVEL 03 - OVERALL
1" = 20'-0"



STRUCTURAL

CIVIL



STRATEGIC
MISSION CRITICAL

**NOT FOR
CONSTRUCTION**

Date of issue: 03.20.2026

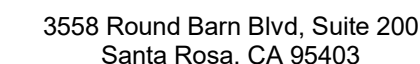
SILVER CREEK

POWER PLAN -
ROOF LEVEL -
OVERALL

PROJECT NUMBER	24554.0000
SHEET NUMBER	

E02-04

1 POWER PLAN - ROOF - OVERALL
1" = 20'-0"



ARCH

STRUCTURAL

CIVIL

Contact:	Phone:
Engineer of Record:	
License #:	Exp. Date:

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Date of issue: 03.20.2020

SILVER CREEK

SITE LIGHTING PHOTOMETRICS

SHEET NUMBER

E03-00.1

POST DATE: 3/25/2026 5:20:19 PM

① SITE PHOTOMETRIC PLAN
1" = 30'-0"

CONSULTANTS

ARCH

STRUCTURAL

CIVIL

[illegible]

Contact: _____ Phone: _____
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License #: _____ Exp. Date: _____

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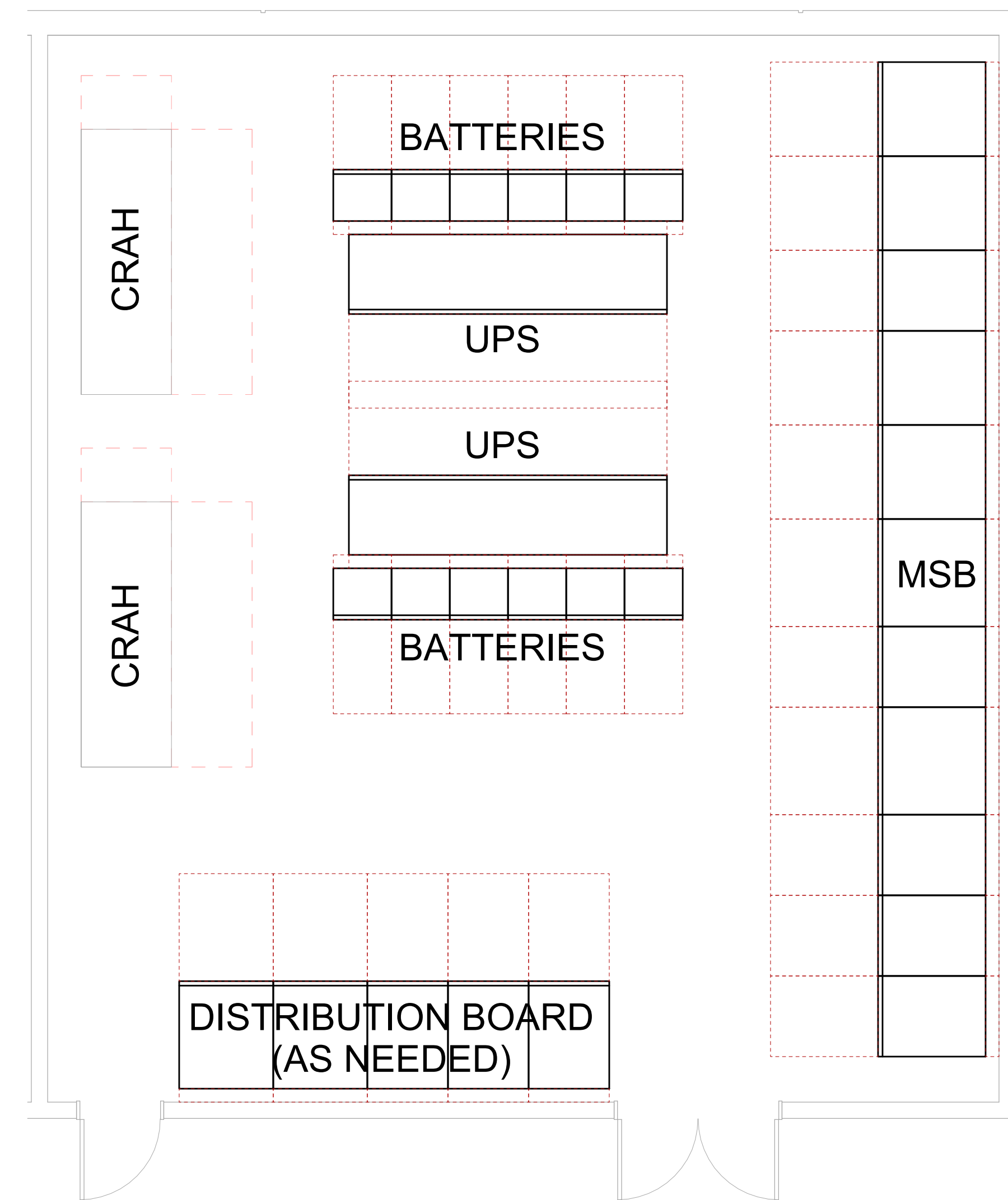
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SILVER CREEK

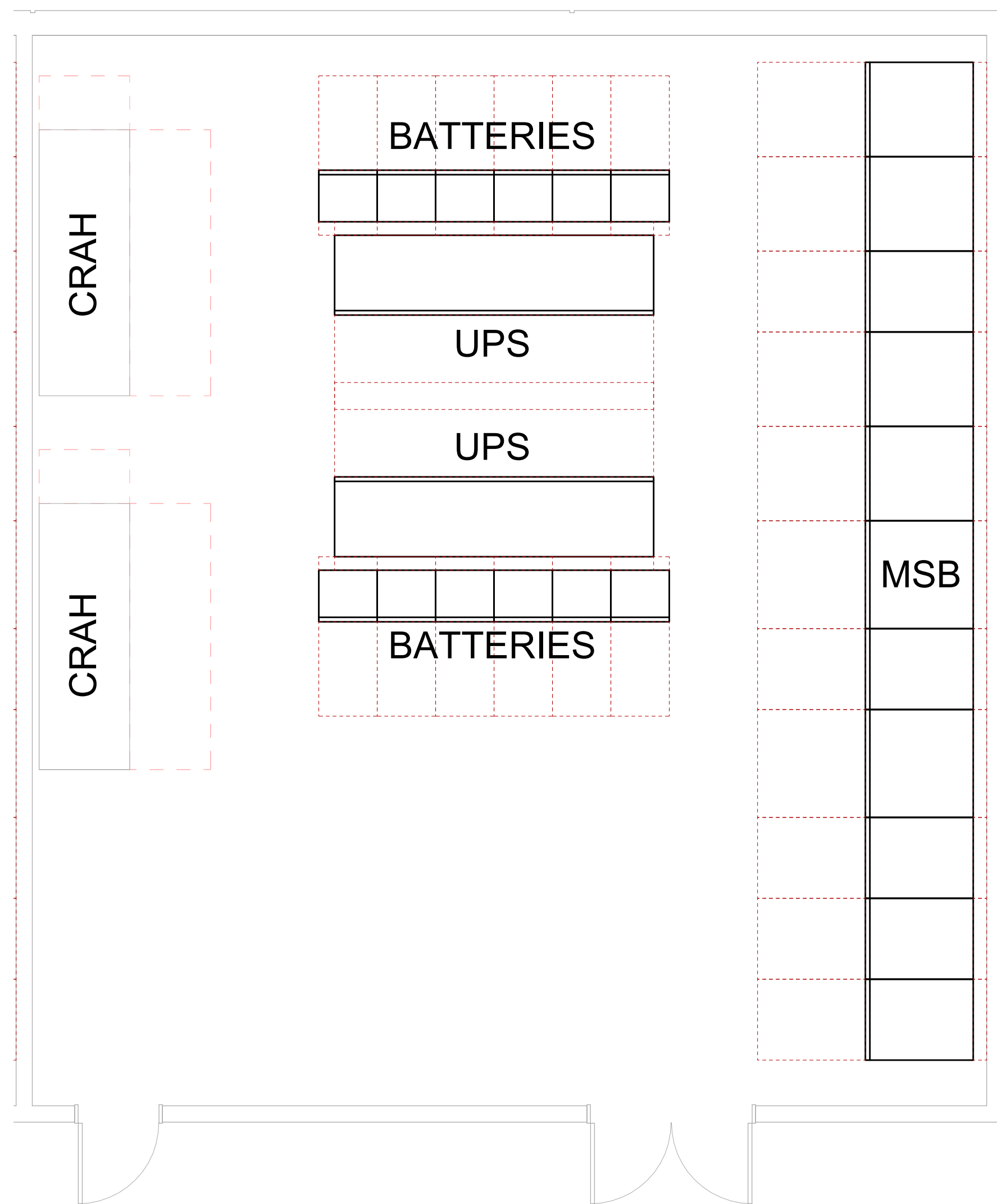
ENLARGED ELECTRICAL FLOOR PLANS

PROJECT NUMBER	24554.0000
SHEET NUMBER	

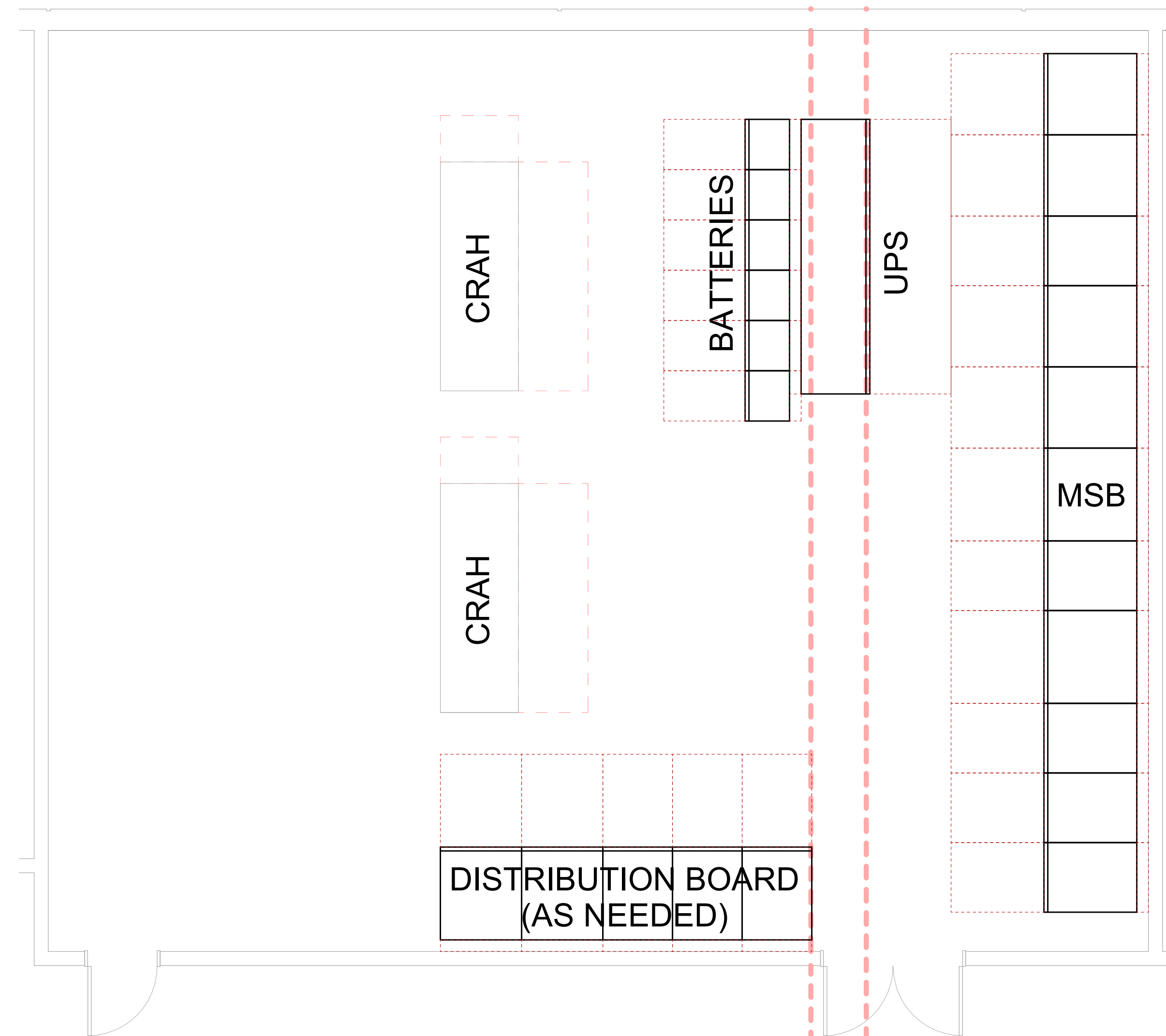
E04-01



1 ENLARGED PLAN - TYPICAL PRIMARY CRITICAL ROOM
1/4" = 1'-0"



ENLARGED PLAN - TYPICAL RESERVE CRITICAL ROOM
1/4" = 1'-0"



3 ENLARGED PLAN - TYPICAL HOUSE ELECTRICAL ROOM
1/4" = 1'-0"