



ADDENDUM NO. 1

Issue Date:	March 12, 2026
School / Facility Name:	Spirit Elementary
Project Name:	Upgrade HVAC Bldg. 7
Owner's Project No.:	2648250

Owner:	School Board of Volusia County Florida 200 N. Clara Avenue, DeLand Florida 32720
Owner's Project Manager:	Mike Semon
Project Manager's Location:	3750 Olson Drive, Daytona Beach Florida 32124

Engineer's Representative:	Jim Mullen
Engineer's Project No.:	525260

The following modifications shall be incorporated to the previously distributed construction documents. Any questions regarding these modifications should be directed to the project engineer for consideration.

The Drawings are hereby modified as follows:

BIDDER QUESTIONS/ RESPONSES

QUESTION 1: Where is the power connection point located on the new chiller? Will it be the same as the existing chiller?

RESPONSE: The connection point is located on the plan Southeast of the Chiller. Approximate location is shown on the plans.

QUESTION 2: Assuming line side power up to the chiller disconnect is existing to remain? Or will we need to replace wire back to source panel?

RESPONSE: The existing conduit and conductors for the chiller may be reused.

QUESTION 3: Does the new chiller have an integral VFD? Plans do not say "PROVIDED BY MECH" like the Pumps in Mechanical Equipment Schedule on E601. Or will this need to be provided separately?

RESPONSE: No, the chiller does not have and will not need a VFD.

QUESTION 4: Is the EC to replace all disconnect switches associated with Existing Chiller & Pumps per Equipment Schedule on E601? Disconnects for pumps would be included in Bid Alt #1

RESPONSE: The chiller and pump disconnect switches may be reused. The drawings have been revised to show this. The conductors and conduit between the pumps and the electrical panel will need to be replaced as they no longer share a circuit.

QUESTION 4: Is a temporary chiller setup required for this project?



RESPONSE: No.

DRAWINGS

MD101 Mechanical Demolition Plan:

Sheet revised to include existing condensing unit and fence.

M101 Mechanical Plan:

Sheet revised to include existing condensing unit and fence, and revised chiller location.

E101 Electrical Plan:

Sheet revised to show power connection location on chiller and information regarding the replacement of existing conduit and conductors for the pumps.

E601 Electrical Panel and Equipment Schedules:

Mechanical Equipment Schedule and Panel M7 have been updated to show the breaker for the chiller is existing to remain.

ED101 Electrical Demo Plan:

Plans revised to show existing disconnects as existing to remain.

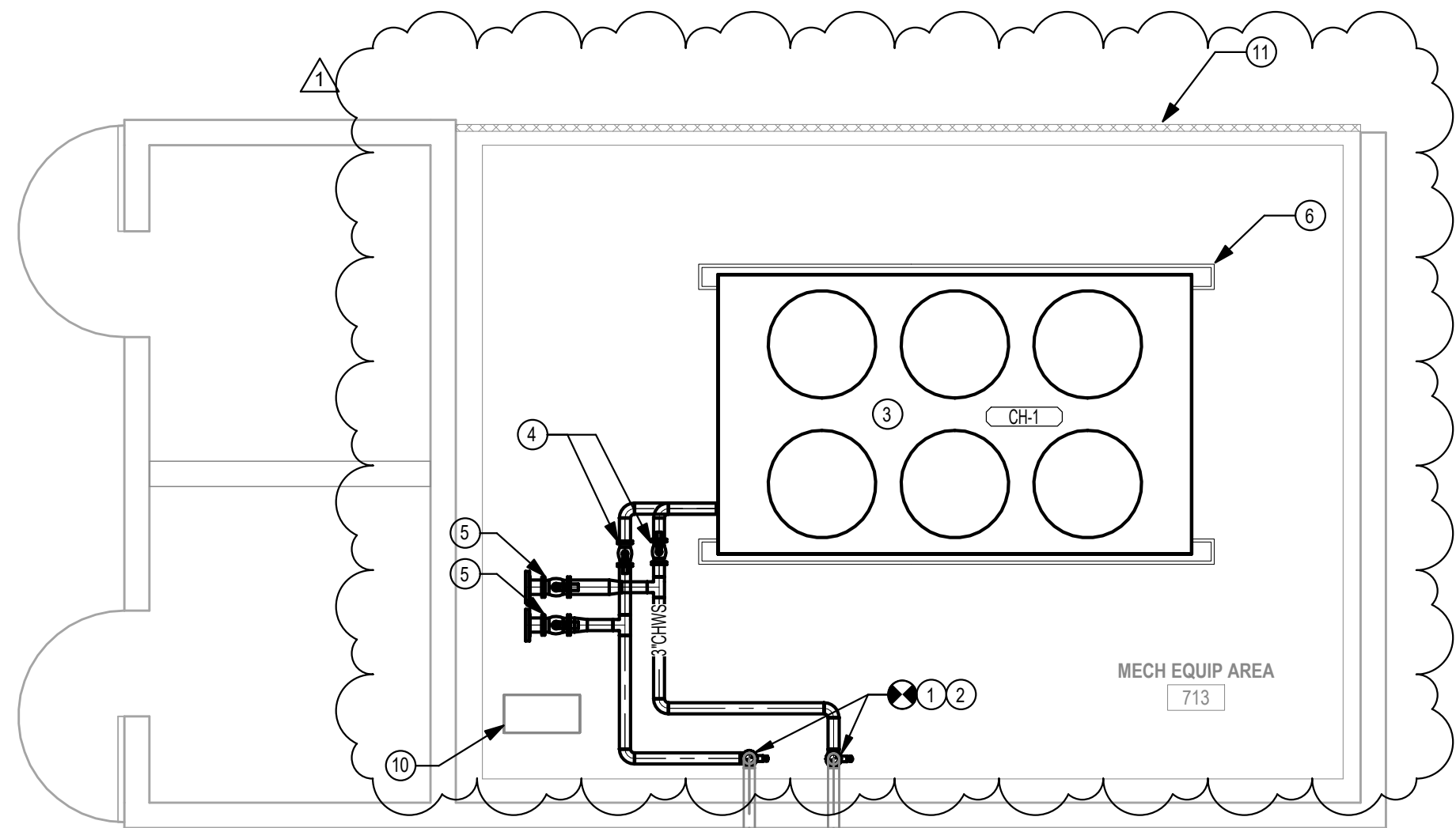
ATTACHMENTS

Drawings: MD101, M101, ED101, E101, E601

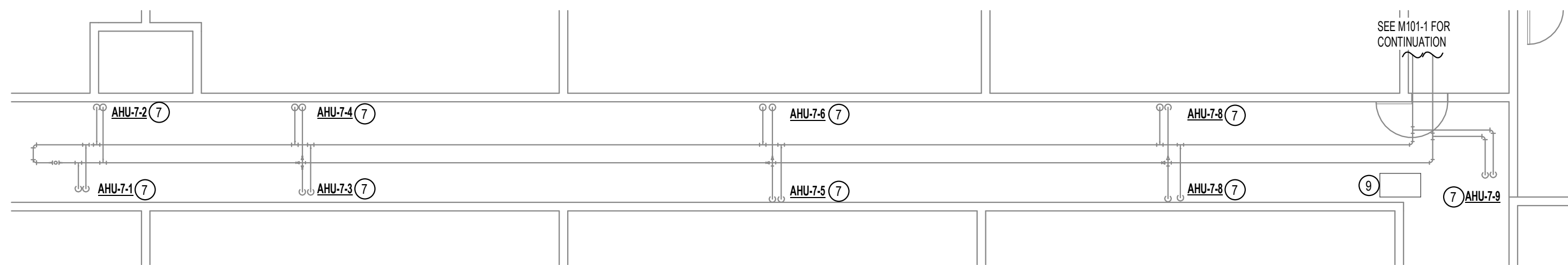
END OF ADDENDUM



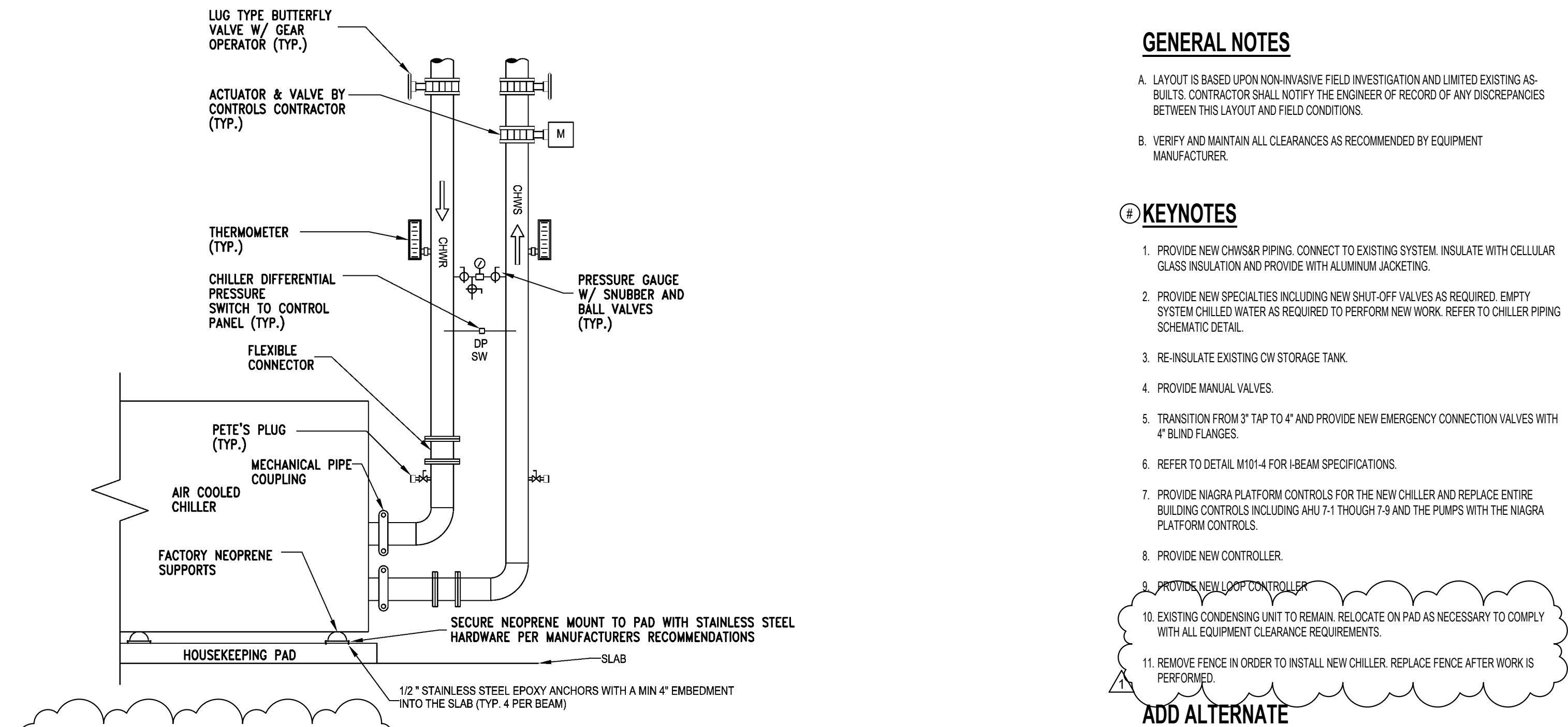
MD101



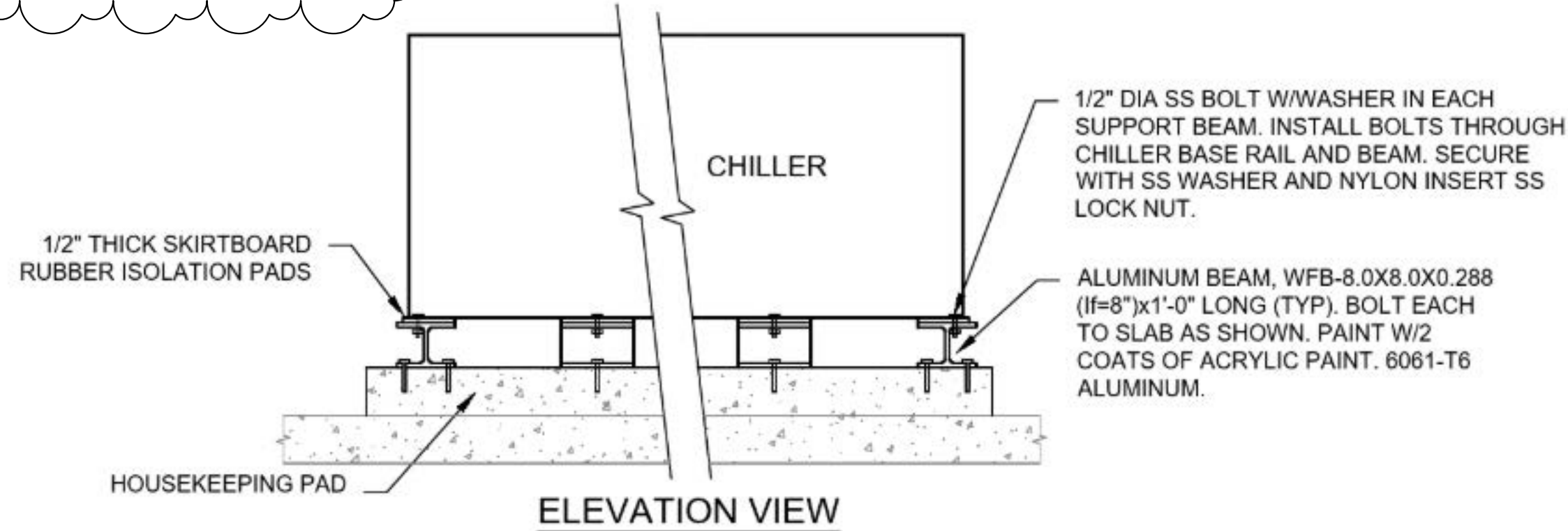
1 MECHANICAL FLOOR PLAN
1/4" = 1'-0"



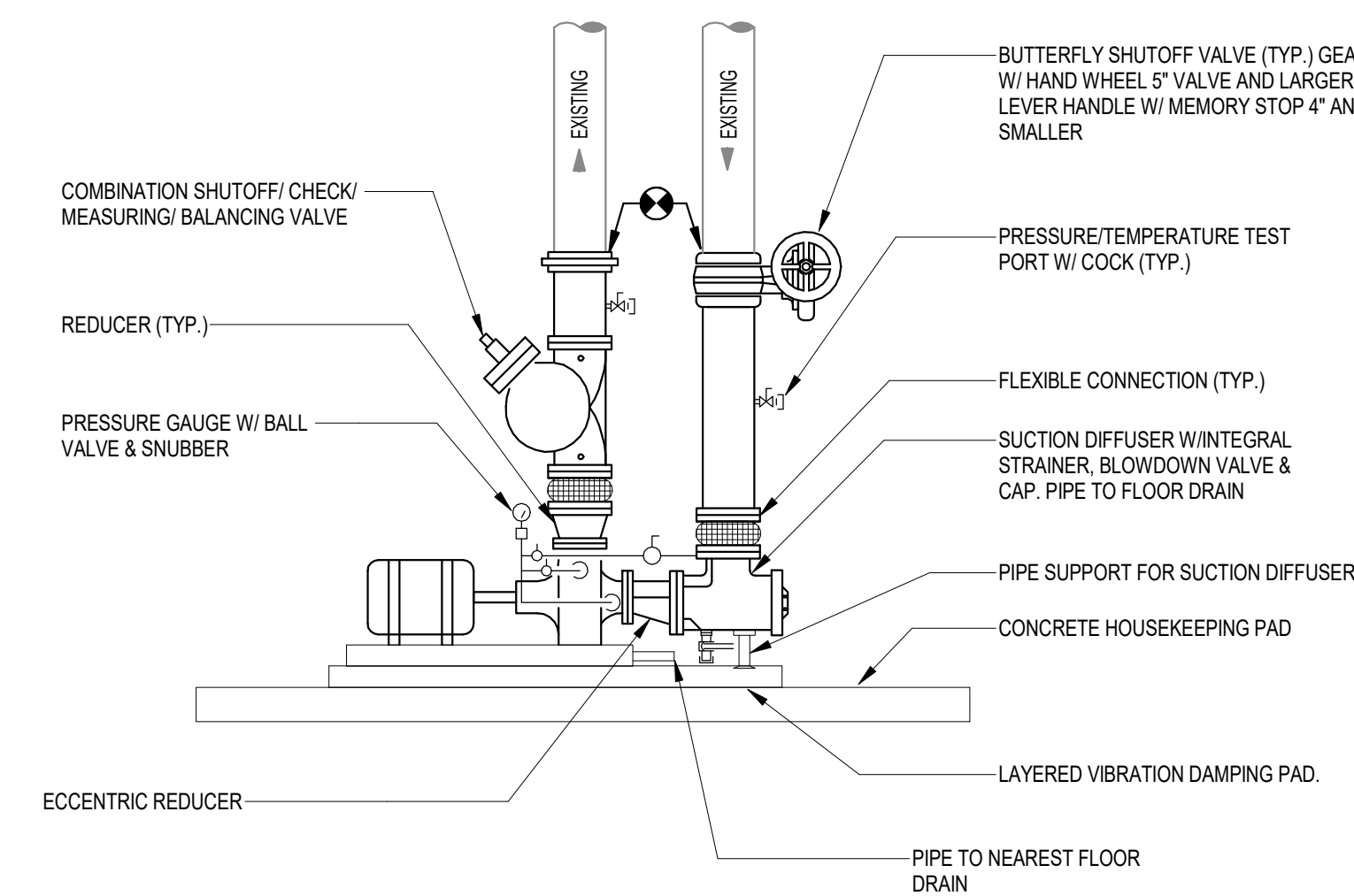
2 CATWALK PLAN
1/8" = 1'-0"



3 CHILLER PIPING SCHEMATIC
NOT TO SCALE



4 CHILLER I-BEAM SPECIFICATIONS
NOT TO SCALE



5 END SUCTION PUMP
NOT TO SCALE

GENERAL NOTES

- LAYOUT IS BASED UPON NON-INVASIVE FIELD INVESTIGATION AND LIMITED EXISTING AS-BUILTS. CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THIS LAYOUT AND FIELD CONDITIONS.
- VERIFY AND MAINTAIN ALL CLEARANCES AS RECOMMENDED BY EQUIPMENT MANUFACTURER.

KEYNOTES

- PROVIDE NEW CHWS&R PIPING. CONNECT TO EXISTING SYSTEM. INSULATE WITH CELLULAR GLASS INSULATION AND PROVIDE WITH ALUMINUM JACKETING.
- PROVIDE NEW SPECIALTIES INCLUDING NEW SHUT-OFF VALVES AS REQUIRED. EMPTY SYSTEM CHILLED WATER AS REQUIRED TO PERFORM NEW WORK. REFER TO CHILLER PIPING SCHEMATIC DETAIL.
- RE-INSULATE EXISTING CW STORAGE TANK.
- PROVIDE MANUAL VALVES.
- TRANSITION FROM 3" TAP TO 4" AND PROVIDE NEW EMERGENCY CONNECTION VALVES WITH 4" BLIND FLANGES.
- REFER TO DETAIL M101-4 FOR I-BEAM SPECIFICATIONS.
- PROVIDE NIAGRA PLATFORM CONTROLS FOR THE NEW CHILLER AND REPLACE ENTIRE BUILDING CONTROLS INCLUDING AHU 7-1 THROUGH 7-9 AND THE PUMPS WITH THE NIAGRA PLATFORM CONTROLS.
- PROVIDE NEW CONTROLLER.
- PROVIDE NEW LOOP CONTROLLER.
- EXISTING CONDENSING UNIT TO REMAIN. RELOCATE ON PAD AS NECESSARY TO COMPLY WITH ALL EQUIPMENT CLEARANCE REQUIREMENTS.
- REMOVE FENCE IN ORDER TO INSTALL NEW CHILLER. REPLACE FENCE AFTER WORK IS PERFORMED.

ADD ALTERNATE

REPLACE PUMPS POH 7-1 AND POH 7-2 SERVING CHILLER NO. 1 AND ASSOCIATED PIPING, VALVES, AND FITTINGS AS SHOWN ON THE PLANS.

REVISIONS

NO.	DATE	DESCRIPTION
1	03/12/26	ADDENDUM NO. 1

SPIRIT ELEMENTARY UPGRADE HVAC BLDG. 7 VCS Project NO. 2648250 1500 MEADOWLARK DR DELTONA, FL 32725

ENGINEER OF RECORD
JIM MULLEN

DESIGNED BY
LUKE ADAMS

DRAWN BY
LUKE ADAMS

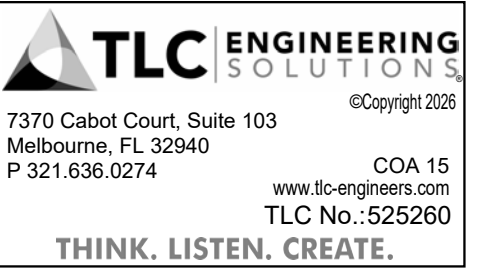
ISSUE DATE
03-12-2026

AE PROJECT NUMBER
525260

SHEET TITLE
MECHANICAL PLAN

DRAWING NO.

M101

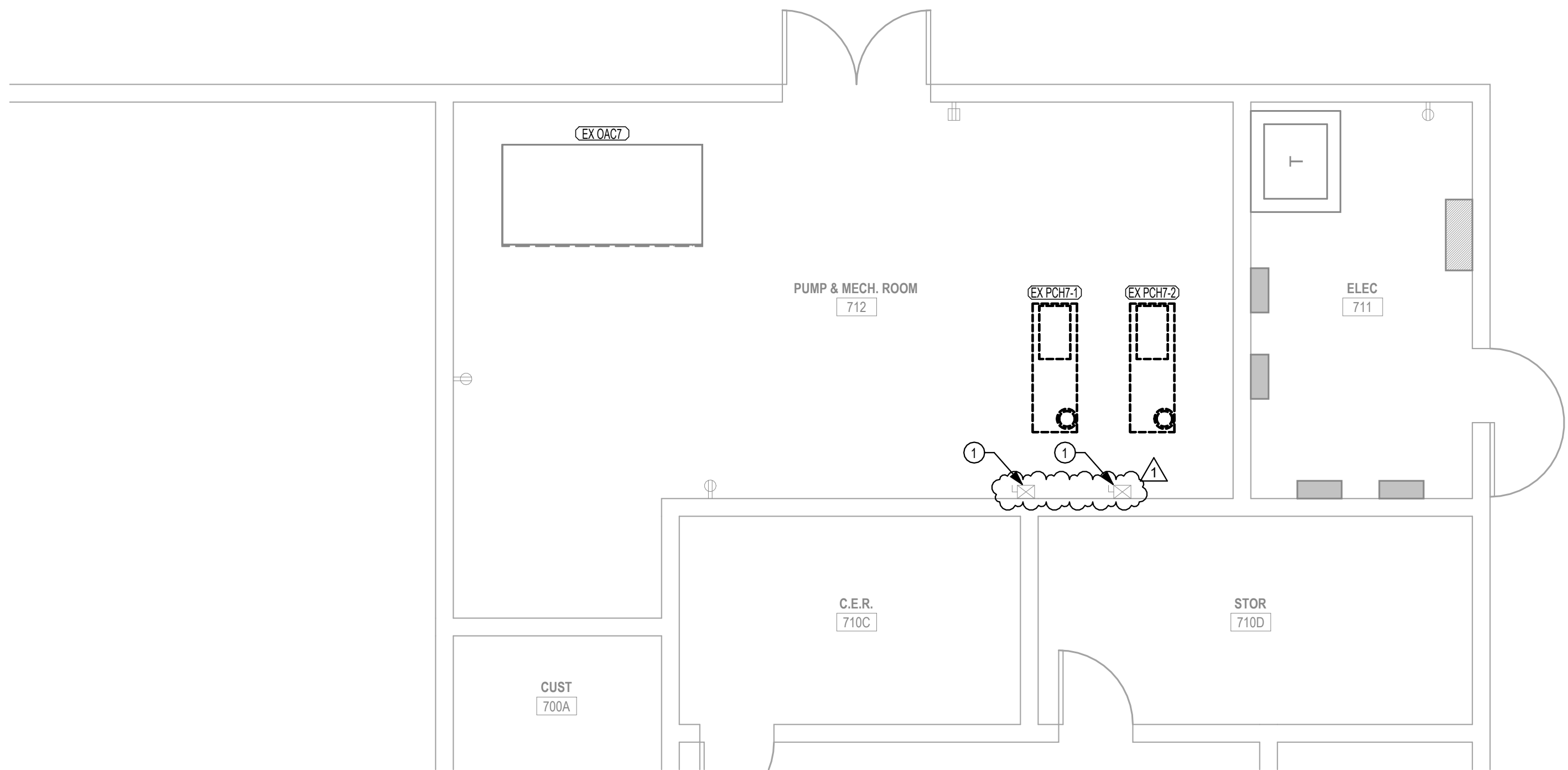
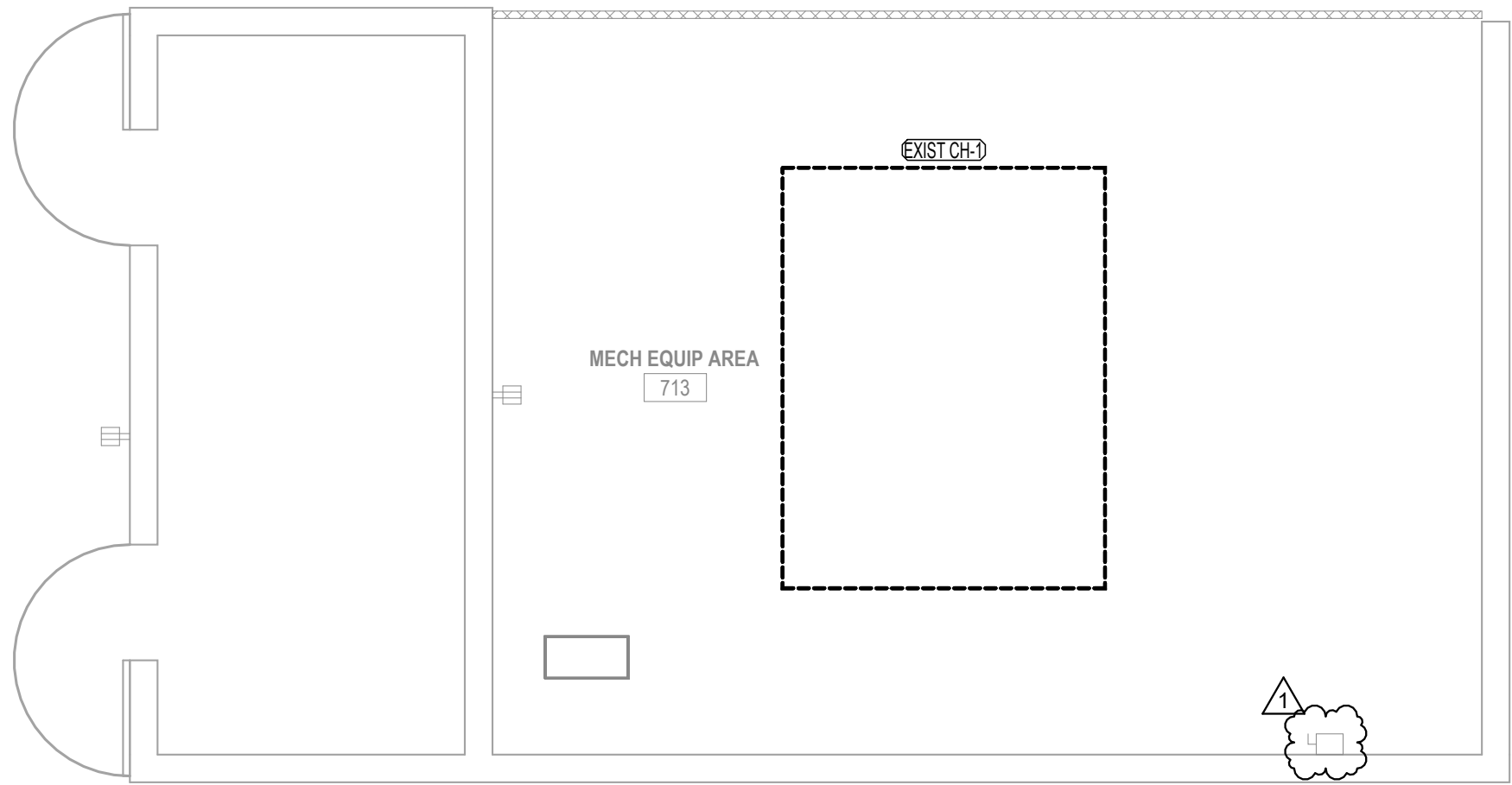


GENERAL NOTES

A. LAYOUT IS BASED UPON NON-INVASIVE FIELD INVESTIGATION AND LIMITED EXISTING AS-BUILTS. CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THIS LAYOUT AND FIELD CONDITIONS.

KEYNOTES

1. REPLACEMENT OF PUMPS AND ASSOCIATED ELECTRICAL EQUIPMENT IS BID ALTERNATE 1.



1 ELECTRICAL DEMO PLAN
1/4" = 1'-0"

[illegible]

SPIRIT ELEMENTARY
UPGRADE HVAC BLDG. 7
VCS Project NO. 2648250
1500 MEADOWLARK DR
DELTONA, FL 32725

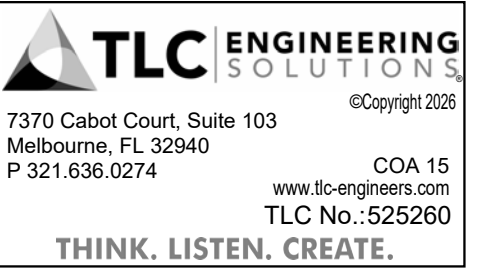
ENGINEER OF RECORD
MONCEF M. HADIJI

DESIGNED BY JOEY HOLT	DRAWN BY JOEY HOLT
ISSUE DATE 03-12-2026	AE PROJECT NUMBER 525260

SHEET TITLE
ELECTRICAL DEMO PLAN

DRAWING NO.

ED101

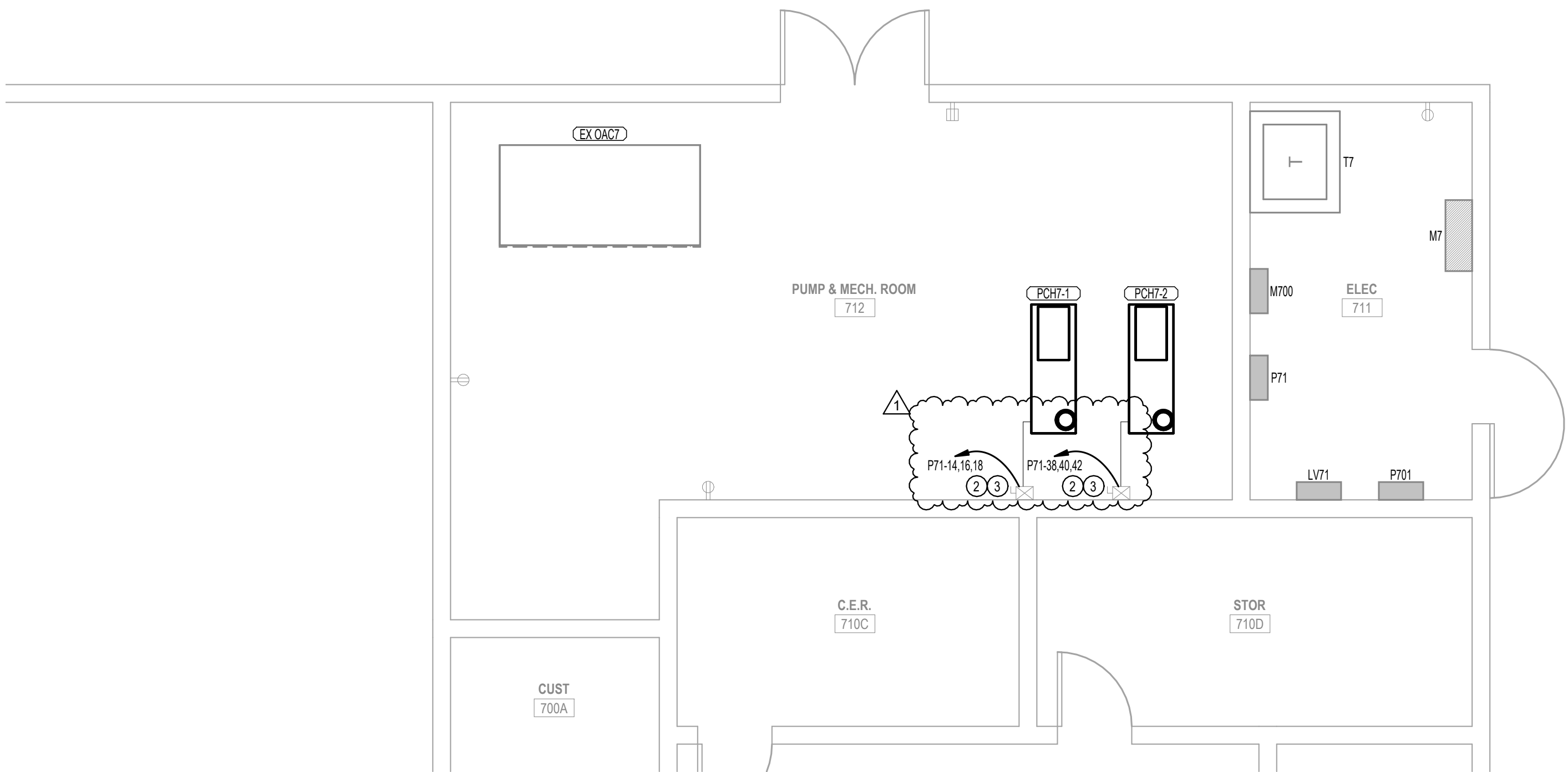
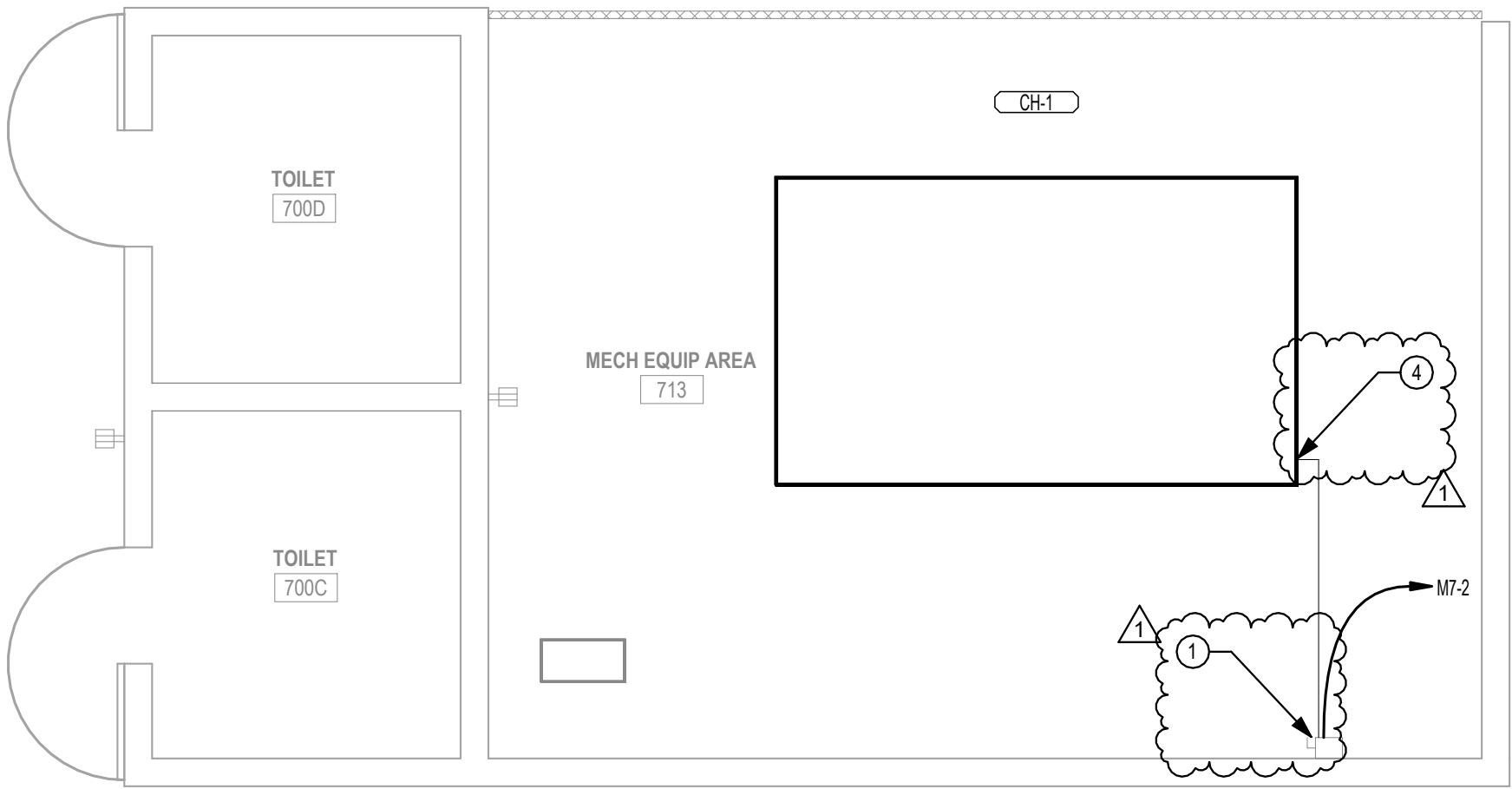


GENERAL NOTES

A. LAYOUT IS BASED UPON NON-INVASIVE FIELD INVESTIGATION AND LIMITED EXISTING AS-BUILTS. CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THIS LAYOUT AND FIELD CONDITIONS.

KEYNOTES

- CONTRACTOR SHALL CIRCUIT NEW MECHANICAL EQUIPMENT TO EXISTING DISCONNECT, CONDUIT AND CONDUCTORS.
- CONTRACTOR SHALL CIRCUIT NEW MECHANICAL EQUIPMENT TO EXISTING DISCONNECT. CONTRACTOR SHALL PROVIDE NEW CONDUIT AND CONDUCTORS FOR PUMPS. SEE MECHANICAL EQUIPMENT SCHEDULE ON SHEET E601 FOR ALL CONDUCTOR AND CONDUIT SIZES.
- REPLACEMENT OF PUMPS AND ASSOCIATED ELECTRICAL EQUIPMENT IS BID ALTERNATE 1
- APPROXIMATE LOCATION OF POWER CONNECTION. COORDINATE EXACT LOCATION WITH MANUFACTURER.



ELECTRICAL PLAN

$$1/4'' = 1'-0''$$
A circular professional engineer seal for the State of Florida. The outer ring contains the text "JAMES C. MULLEN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top, "No 60195" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars.

REVISIONS

[illegible]

SPIRIT ELEMENTARY
UPGRADE HVAC BLDG. 7
VCS Project NO. 2648250
1500 MEADOWLARK DR
DELTONA, FL 32725

ENGINEER OF RECORD
MONCEF M. HADIJI

DESIGNED BY JOEY HOLT	DRAWN BY JOEY HOLT
ISSUE DATE 03-12-2026	AE PROJECT NUMBER 525260

SHEET TITLE
ELECTRICAL PLAN

DRAWING NO.

E101

NAME: P71

LOCATION: ELEC T11			MOUNTING: SURFACE			DIST./PHASE/WIRES: 208Y/120V/3/4			K.A.I.C. RATING: 10			FEED THRU: NO		
SUPPLY FROM: M700			ENCLOSURE: NEMA 1			MAX. HEIGHT BUSING: YES			MAINS TYPE: MLO			RATING: 225 A		
KN	CKT	CIRCUIT DESCRIPTION	TRIP(A)	P	A (KVA)	B (KVA)	C (KVA)	P	TRIP(A)	CIRCUIT DESCRIPTION	CKT	KN		
	1		2		2.281	2.281					2			
	3	EXISTING AHU 7-5	25	3		2.281	2.281		3	25	EXISTING AHU 7-6	4		
	5							2.281	2.281		6			
	7				2.281	2.281					8			
	9	EXISTING AHU 7-7	25	3		2.281	2.281		3	25	EXISTING AHU 7-8	10		
	11							2.281	2.281		12			
	13				2.281	2.005					14			
	15	EXISTING AHU 7-9	25	3		2.281	2.005		3	25	PCH7-1	16		
	17							2.281	2.005		18	1		
	19	EXISTING EF 7-1	15	1	0.667	0.603				2	15	EXISTING AC 701		
	21	EXISTING CATWALK LIGHTING	20	1		0.960	0.603				22			
	23	SPARE	20	1				0.000	0.081	1	15	EXISTING AHU 701		
	25	EXISTING CLASSROOM LIGHTING	20	1	1.050	0.990				1	20	EXISTING CLASSROOM LIGHTING		
	27	EXISTING CLASSROOM LIGHTING	20	1		0.930	0.840			1	20	EXISTING CLASSROOM LIGHTING		
	29	EXISTING CLASSROOM LIGHTING	20	1				1.260	0.990	1	20	EXISTING CLASSROOM LIGHTING		
	31	EXISTING LV 71	20	1	1.500	1.500				1	20	EXISTING WH 701		
	33	EXISTING GEN HEATER	20	1		1.500	0.000			1	20	SPARE		
	35	EXISTING GEN BATTERY CHARGER	20	1				1.500	0.000	1	20	SPARE		
	37	EXISTING GEN RECEPTACLE	20	1	0.360	2.005					1	38		
	39	SPACE	--	--		--	2.005			3	25	PCH7-2		
	41	SPACE	--	--				--	2.005			40		
CONNECTED PHASE LOAD (KVA)					22.086	20.249	19.247							
CONNECTED PHASE AMPS (A)					165.332	170.024	160.389							
LOAD CLASSIFICATION			CONNECTED LOAD		DEMAND FACTOR		DEMAND LOAD		PANEL TOTALS					
EQUIPMENT			6360 VA		100.00%		6360 VA		TOTAL CONNECTED LOAD (KVA): 61.581 TOTAL DEMAND LOAD (KVA): 63.085 TOTAL DEMAND CURRENT (A): 175					
LIGHTING			7020 VA		100.00%		7020 VA							
MOTORS			12032 VA		112.50%		13358 VA							
HVAC			36169 VA		100.00%		36169 VA							

1

NOTES:
1: REUSE EXISTING BREAKER IN EXISTING PANELBOARD.

REVISIONS

[illegible]

SPIRIT ELEMENTARY
UPGRADE HVAC BLDG. 7
VCS Project NO. 2648250
1500 MEADOWLARK DR
DELTONA, FL 32725

DRAWING NO.

E601