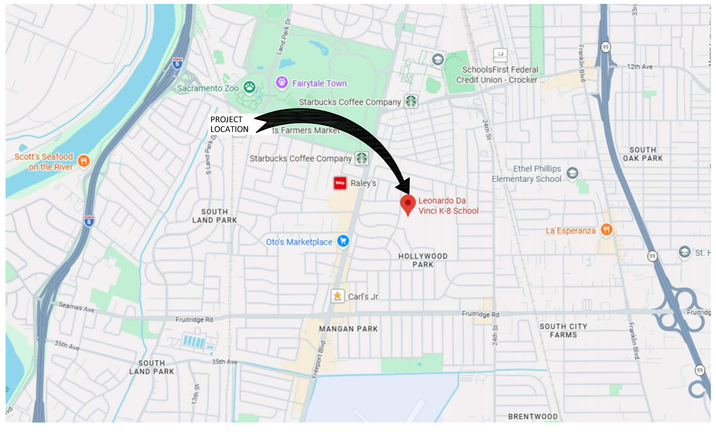
ABBREVIATIONS

&	AND	LAV.	LAVATORY
∠	ANGLE	LB.	POUND
@	AT		
A.B.	ANCHOR BOLT		
A.C.	ASPHALTIC CONCRETE	MAX.	MAXIMUM
ADD'L.	ADDITIONAL	MECH.	MECHANICAL
A.F.F.	ABOVE FINISH FLOOR	MFR.	MANUFACTURER
APPROX.	APPROXIMATE	MIN.	MINIMUM
		MTL.	METAL
BLDG.	BUILDING		
BLK'G.	BLOCKING	(N)	NEW
BTTM.	BOTTOM	N.I.C.	NOT IN CONTRACT
		NO., #	NUMBER
		N.T.S.	NOT TO SCALE
CLR.	CLEAR		
C.J.	CONTROL JOINT		
COL.	COLUMN	O.C.	ON CENTER
CONC.	CONCRETE	O.D.	OUTSIDE DIAMETER
CONN.	CONNECTION	O/	OVER
CONT.	CONTINUOUS		
C.W.	COLD WATER		
		℄	PLATE
		±	PLUS OR MINUS
DEMO.	DEMOLITION	P.H.	PANIC HARDWARE
DEPT.	DEPARTMENT	P.LAM.	PLASTIC LAMINATE
DTL.	DETAIL	PLYWD.	PLYWOOD
D.F.	DOUGLAS FIR	PSI	POUNDS PER SQUARE INCH
D.I.	DROP INLET	P.M.	PRESS METAL
DIA., Ø	DIAMETER	P.T.R.	PENETRATION THRU ROOF
DIM.	DIMENSION	P.T.	PRESSURE TREATED
DIST.	DISTRICT		
DWGS.	DRAWINGS		
DS.	DOWNSPOUT	R.D.	ROOF DRAIN
		REINF.	REINFORCED
		REQ'D.	REQUIRED
(E)	EXISTING	REV.	REVISIONS
EA.	EACH	RWD.	REDWOOD
ELECT.	ELECTRICAL	R.W.L.	RAIN WATER LEADER
ELEV.	ELEVATION		
EQUIP.	EQUIPMENT		
ETC.	ET CETERA	SQ. FT.	SQUARE FEET
EXP.	EXPANSION	SCHED.	SCHEDULE
E.J.	EXPANSION JOINT	SIM.	SIMILAR
EXT.	EXTERIOR	S.M.	SHEET METAL
		SPEC'S.	SPECIFICATIONS
		S.STL.	STAINLESS STEEL
F.D.	FLOOR DRAIN	STD.	STANDARD
FDTN.	FOUNDATION	STL.	STEEL
F.F.	FINISHED FLOOR	STRUCT.	STRUCTURAL
FLR.	FLOOR	S.T.S.M.S.	SELF TAPPING SHEET METAL SCREW
F.O.B.	FACE OF BLOCK		
F.O.S.	FACE OF STUD	S.S.	SANITARY SEWER
FT.	FOOT		
F.V.	FIELD VERIFY		
		T.O.C.	TOP OF CONCRETE/CURB
		T.O.F.	TOP OF FRAMING
GA.	GAUGE	T.O.P.	TOP OF PLATE/PARAPET
GALV.	GALVANIZED	TS	STRUCTURAL TUBE
G.C.	GENERAL CONTRACTOR	TYP.	TYPICAL
G.I.	GALVANIZED IRON		
GYP. BD.	GYPSUM BOARD		
		U.O.N.	UNLESS OTHERWISE NOTED
H.B.	HOSE BIB		
HORIZ.	HORIZONTAL	VCT	VINYL COMPOSITE TILE
HVAC	HEATING VENTILATION AIR CONDITIONING	V.T.R.	VENT THRU ROOF
		W/	WITH
INFO.	INFORMATION	WD.	WOOD
		W.H.	WATER HEATER
		W.T.	WEIGHT
J-BOX	JUNCTION BOX	W.W.F.	WELDED WIRE FABRIC
JT.	JOINT		

SYMBOLS LEGEND

- SECTION NUMBER (1A / A7) — SHEET WHERE SECTION IS DRAWN
- DETAIL NUMBER (5A / A6) — SHEET WHERE DETAIL IS DRAWN
- ELEVATION NUMBER (3B / A4) — SHEET WHERE ELEVATION IS DRAWN
- DATUM, WORK OR CONTROL NUMBER
- GRID LINE NUMBER (5B)
- ROOM NUMBER (*)
- WINDOW TYPE (A)
- DOOR NUMBER — HARDWARE GROUP
- KEYNOTE (F1)
- EQUIPMENT NUMBER (X)
- REVISION NUMBER (1)

VICINITY MAP



NOT TO SCALE

NORTH

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

TK CLASSROOM ALTERATION

LEONARDO DA VINCI K-8 SCHOOL

4701 JOAQUIN WAY
SACRAMENTO CA 95822

GENERAL NOTES

1. ALL WORK IS NEW UNLESS SPECIFICALLY NOTED AS EXISTING (E). ALL WORK SHALL BE BY G.C. UNLESS SPECIFICALLY NOTED BY OWNER, BY OTHERS, OR BY N.I.C.
2. CONTRACTOR SHALL VISIT THE SITE PRIOR TO HIS BID TO DETERMINE ACTUAL JOB SITE CONDITIONS AND REQUIRED EXTENT OF WORK FOR THIS PROJECT.
3. CONTRACTOR SHALL VERIFY OWNER REQUIREMENTS FOR WORK HOURS, ETC. WITH OWNER PRIOR TO BIDDING AND COMMENCEMENT OF WORK. CONTRACTOR SHALL COMPLY WITH ALL OWNER REQUIREMENTS.
4. CONTRACTOR SHALL PROVIDE A JOB SITE PHONE WITHIN (5) WORKING DAYS AND INFORM ARCHITECT OF PHONE NUMBER AT CONSTRUCTION KICK-OFF MEETING. G.C. SHALL MAINTAIN A COMPUTER W/ EMAIL CAPABILITIES ON SITE AT ALL TIMES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND NOTING ANY DISCREPANCIES WITH THE CONTRACT DOCUMENTS PRIOR TO BIDDING THE PROJECT. CONTRACTOR SHALL CONTACT ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH RELATED WORK. OTHERWISE, CONTRACTOR IS RESPONSIBLE FOR CORRECTIONS AT NO EXTRA COST TO OWNER.
6. G.C. SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ALL FINISH MATERIALS & EQUIPMENT AS SPECIFIED HEREIN. ANY DEVIATION IN COST DUE TO SHIPPING DELAYS, MATERIAL UPGRADES, SHALL BE BORN BY THE G.C. ALL MATERIALS NOT IDENTIFIED AS PROBLEMS PRIOR TO BID, SHALL BE THE RESPONSIBILITY OF THE G.C. TO SUPPLY AS NOTED ON THE BID FORM.
7. ALL DEMOLITION IS INCLUDED IN THE BASE BID. CONTRACTOR SHALL PROVIDE ALL DEMOLITION NECESSARY TO COMPLETE ALL NEW WORK AS INDICATED ON THE PLANS.
8. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL ADJACENT WORK AND SHALL COORDINATE WITH ALL OTHER TRADES SO AS TO FACILITATE THE GENERAL PROGRESS OF THE WORK. EACH TRADE SHALL AFFORD ALL OTHER TRADES EVERY REASONABLE OPPORTUNITY FOR THE INSTALLATION OF THEIR WORK AND FOR THE STORAGE OF THEIR MATERIAL.
9. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS AND QUANTITIES OF ITEMS TO BE REMOVED/REPLACED OR TO BE REINSTALLED PRIOR TO SUBMITTAL OF BID. G.C. SHALL NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES PRIOR TO THE BID DUE DATE FOR FURTHER CLARIFICATION - AS DEFINED IN BID INSTRUCTIONS.
10. G.C. WILL BE HELD RESPONSIBLE FOR COMPLETION OF ENTIRE WORK IN A MANNER/INTENT FOR THIS TYPE OF PROJECT REGARDLESS OF QUANTITIES SHOWN IN PLANS
11. ANY EXISTING ITEMS SHOWN WITHOUT NOTATION FOR REMOVAL SHALL BE PROTECTED THROUGHOUT DEMOLITION AND RENOVATIONS. G.C. WILL BE REQUIRED TO REPLACE ANY/ALL ITEMS TO REMAIN THAT ARE DAMAGED BY WORK AT NO ADDITIONAL COST TO EDCOE AND ALSO AT A QUALITY LEVEL EQUAL TO OR EXCEEDING THE ORIGINAL CONDITIONS.
12. SEE ALSO ENGINEERED DRAWINGS FOR FULL EXTENT OF THE DEMOLITION WORK.
13. ITEMS SHOWN TO BE REMOVED SHALL BE DISPOSED OF PROPERLY BY THE G.C. UNLESS OTHERWISE NOTED.
14. FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL BE COMPLIANT WITH CBC/CFC CHAPTER 33.

NOTE

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE CONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS.

SHOULD ANY CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE THESE DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED WORK, SHALL BE SUBMITTED TO AND APPROVED BY DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

OWNER

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 47th AVENUE
SACRAMENTO CA 95824
CONTACT: ERIC McMULLEN, KITCHELL CM
(916) 614-9748
Email: emcmullen@kitchell.com

ARCHITECT

HMR ARCHITECTS
2130 21st STREET
SACRAMENTO CA 95818
(916) 736-2724
CONTACT: KIM DEMONGEY
Email: kimd@hmrarchitects.com
CONTACT: SCOTT PULLEN
Email: scottp@hmrarchitects.com

STRUCTURAL ENGINEER

POINT 2 STRUCTURAL ENGINEERS
3701 BUSINESS DRIVE, SUITE 100
SACRAMENTO CA 95820
(916) 452-8200
CONTACT: BRAD ROLLINS
Email: brad@point2se.com

MECHANICAL ENGINEER

TURLEY & ASSOCIATES
2431 CAPITOL AVENUE
SACRAMENTO CA 95816
(916) 325-1065
CONTACT: NIRAV SHAH
Email: nshah@turleymech.com

ELECTRICAL ENGINEER

SACRAMENTO ENGINEERING CONSULTANTS
10555 OLD PLACERVILLE ROAD
SACRAMENTO CA 95827
(916) 368-4468
CONTACT: JOHN DRENTH
Email: drenth@saceng.com
CONTACT: RICKERT HENRICKSEN
Email: rh@saceng.com

INSPECTOR

A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. CLASS 3 INSPECTOR REQUIRED.

EDCR

PROJECT SCOPE DOES NOT REQUIRE AN EDCR

1. PROJECT DOESN'T INCLUDE REHABILITATION OF AN EXISTING NONCONFORMING BUILDING PER CAC SECTION 4-307.
2. COST OF CONSTRUCTION PER DSA-1 = $300,000. ESTIMATED COST TO REPLACE ©U CLASSROOM BUILDING = $350/SF. X 5,232 SF = $1,831,000. $300,000 IS LESS THAN 50% OF THE $1,831,000 TO REPLACE THE BUILDING.
3. REHABILITATION IS NOT REQUIRED DUE TO THE SCOPE OF WORK.
4. OCCUPANCY TYPE OF (E) STRUCTURE IS REMAINING AS EXISTING.
5. REHABILITATION IS NOT BEING UNDERTAKEN AT THE DISCRETION OF THE DISTRICT.
6. THIS IS NOT A REHABILITATION PROJECT UNDER THE SEISMIC MITIGATION PROGRAM.

SCOPE OF WORK

1. DIVIDE (E) TK CLASSROOM INTO (2) SEPARATE TK CLASSROOMS WITH A SHARED HALLWAY FOR EXITING.
2. REMOVE (E) ACOUSTICAL CEILING TILES IN THE TK CLASSROOM AND REPLACE WITH GYP BOARD.
3. REMOVE AND REPLACE (E) LIGHTING THROUGHOUT.
4. DEMO (E) ASPHALT WALKWAY BEHIND CLASSROOM, AND REPLACE WITH CONCRETE FOR ACCESSIBLE PATH.

PROJECT CODE DATA

DSA NUMBERS	APPLICATION #02-124123 FILE #34-53
CODE	2025 CBC

CONSTRUCTION SHALL COMPLY WITH TITLE 24, CALIFORNIA CODE REGULATIONS, INCLUDING THE FOLLOWING:

2025 CALIFORNIA ADMINISTRATIVE CODE, CCR, TITLE 24, PART 1
2025 CALIFORNIA BUILDING CODE, VOL. 1 & 2, CCR, TITLE 24, PART 2
2025 CALIFORNIA RESIDENTIAL CODE, CCR, TITLE 24, PART 2.5
2025 CALIFORNIA ELECTRICAL CODE, CCR, TITLE 24, PART 3
2025 CALIFORNIA MECHANICAL CODE, CCR, TITLE 24, PART 4
2025 CALIFORNIA PLUMBING CODE, CCR, TITLE 24, PART 5
2025 CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6
2025 CALIFORNIA FIRE CODE, CCR, TITLE 24, PART 9
2025 CALIFORNIA GREEN BUILDING STANDARDS CODE, CCR, TITLE 24, PART 11
2025 CALIFORNIA EXISTING BUILDING CODE, CCR, TITLE 24, PART 10
STATE FIRE MARSHAL REGULATIONS, CCR, TITLE 19, PUBLIC SAFETY

NFPA 13:	INSTALLATION OF SPRINKLER SYSTEMS,	2025 EDITION
NFPA 14:	INSTALLATION OF STANDPIPE & HOSE SYSTEMS,	2024 EDITION
NFPA 17:	DRY CHEMICAL EXTINGUISHING SYSTEMS,	2024 EDITION
NFPA 20:	STATIONARY PUMPS FOR FIRE PROTECTION,	2022 EDITION
NFPA 24:	PRIVATE FIRE MAINS & THEIR APPURTENANCES,	2022 EDITION
NFPA 72	NATIONAL FIRE ALARM & SIGNALING CODE,	2025 EDITION
NFPA 2001:	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS,	2022 EDITION

OCCUPANCY CLASSIFICATION AND USE:	E
BUILDING CONSTRUCTION TYPE:	V-B
NUMBER OF STORIES:	ONE STORY
FIRE SPRINKLERED:	CAMPUS IS NOT FIRE SPRINKLERED
FIRE ALARM :	YES
AREA OF WORK:	2,366 S.F. (NO INCREASE IN (E) AREA)
CLIMATE ZONE:	9b

ENERGY CODE NOTES

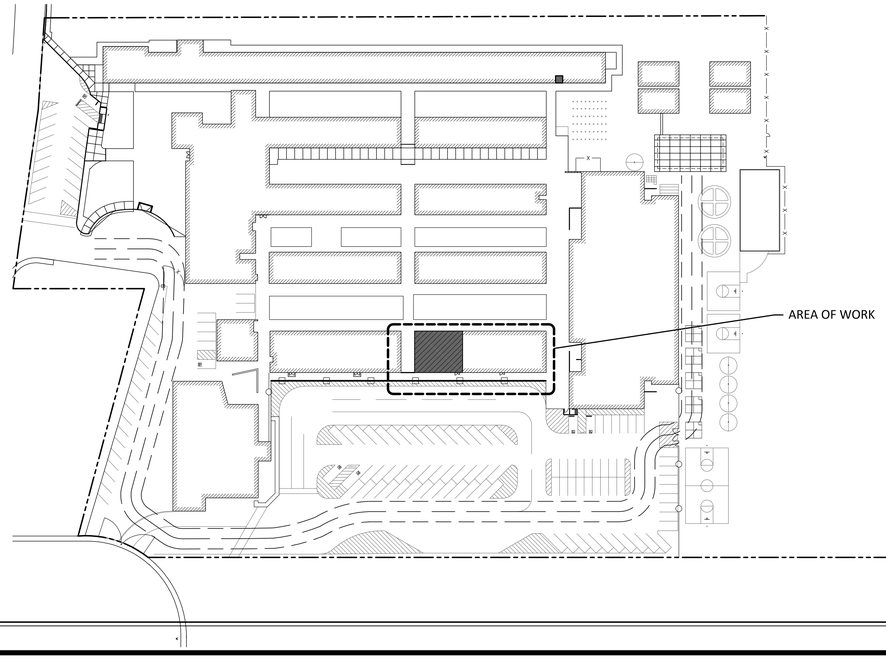
1. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
2. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
3. MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.
4. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD, OR THE OWNER'S AGENT.
5. A LISTING OF ATT CAN BE FOUND AT https/www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance.
6. THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNITL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.
7. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

DEFERRED APPROVAL

1. NONE

ADDITIVE BID ALTERNATE

1. NONE



3E / A0.0 REFERENCE OVERALL SITE PLAN

SCALE: 1"=60'

INDEX TO DRAWINGS

SHEET NUMBER	DESCRIPTION
A0.0	COVER SHEET
	ARCHITECTURAL DRAWINGS
AS1.0	OVERALL SITE PLAN
AS1.1	ENLARGED SITE PLAN
AD1.0	DEMO FLOOR AND REFLECTED CEILING PLAN
A1.0	FLOOR PLAN
A2.0	REFLECTED CEILING PLAN
A3.0	ROOF PLAN
A4.0	INTERIOR ELEVATIONS
A5.0	SCHEDULES AND DETAILS
A5.1	SCHEDULED AND DETAILS
	MECHANICAL DRAWINGS
M0.1	MECHANICAL LEGEND, SCHEDULES, AND NOTES
M1.1	MECHANICAL DEMOLITION FLOOR PLAN
M2.1	MECHANICAL NEW FLOOR PLAN
M4.1	MECHANICAL SYSTEM CONTROLS DIAGRAM
	PLUMBING DRAWINGS
P0.1	PLUMBING LEGEND, SCHEDULES, AND NOTES
P1.1	PLUMBING DEMOLITION FLOOR PLAN
P2.1	PLUMBING NEW FLOOR PLAN
	ENERGY COMPLIANCE
T-24A	TITLE 24 REPORTS
T-24B	TITLE 24 REPORTS
	ELECTRICAL DRAWINGS
E1.0	ELECTRICAL SCHEDULES, SYMBOLS & NOTES
E2.0	ELECTRICAL SITE PLAN & NOTES
E3.0	ELECTRICAL LIGHTING PLANS & NOTES
E3.1	ELECTRICAL POWER & SIGNAL PLANS & NOTES
E4.0	FIRE ALARM PLANS & NOTES
E5.0	LIGHTING T24 CALCULATIONS
TOTAL	25 SHEETS

HMR ARCHITECTS
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T 916 736 2724
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LICENSED ARCHITECT — No. 24706 — REN: 12/31/25 — STATE OF CALIFORNIA

DSA #02-124123
FILE #34-53

TK CLASSROOM ALTERATION

LEONARDO DA VINCI K-8 SCHOOL

4701 JOAQUIN WAY
SACRAMENTO CA 95822

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	DESCRIPTION	DATE

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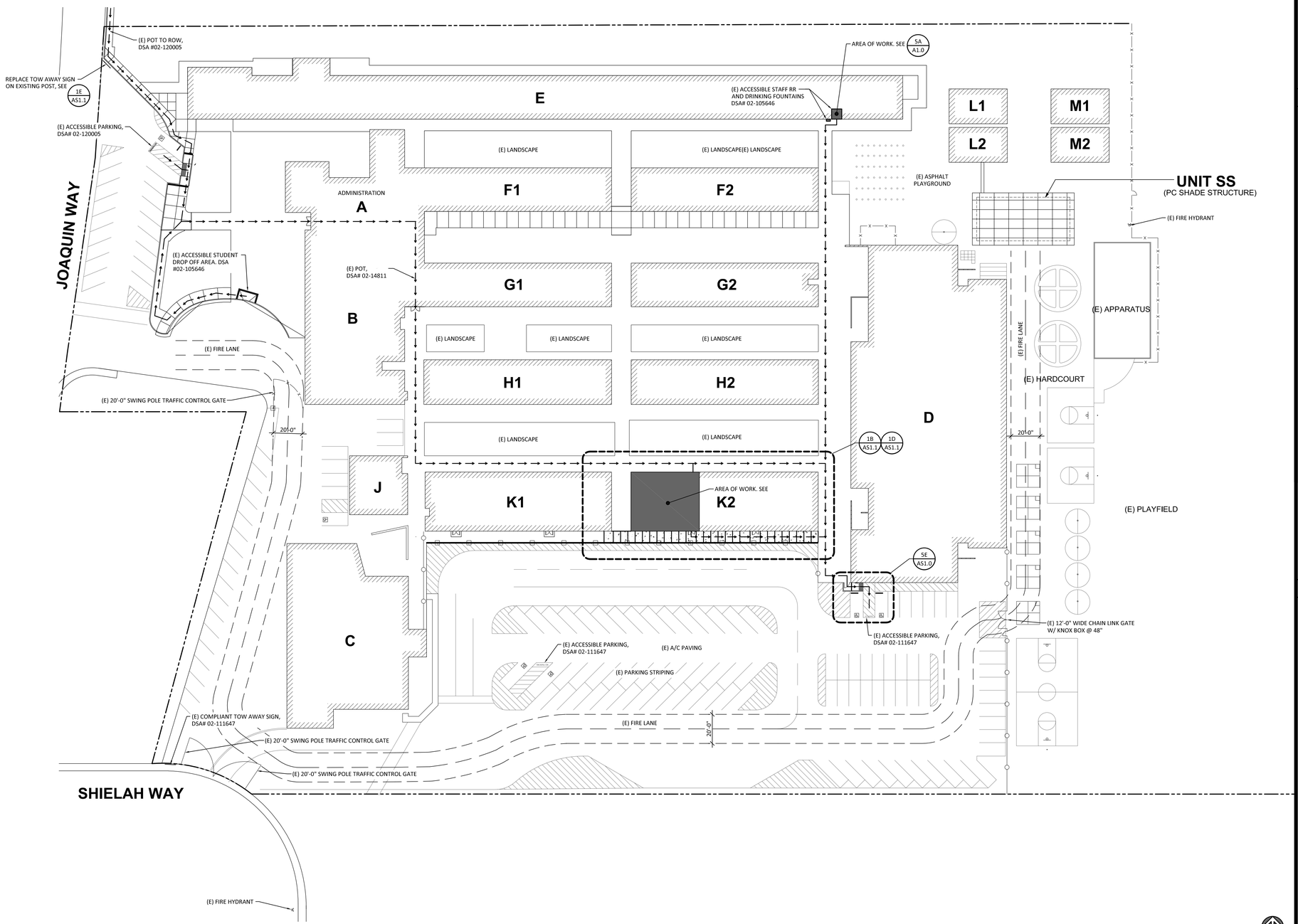
COVER SHEET

APRIL 15, 2026

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CHECKED BY: KD
JOB NO. 26006

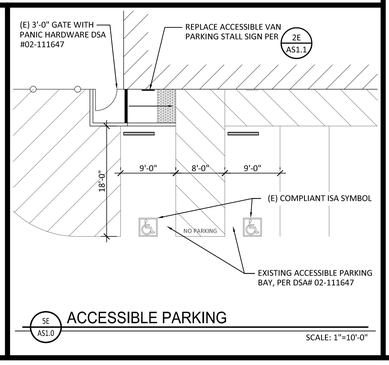
A0.0

4/15/2026 3:14 PM GRANTW
E:\SCHOOLS\SAC CITY UNIFIED\26006 LDV TK-8 GYM FLOOR & TK CLASSROOM ALTERATION\LDV_TK_A0.0 COVER SHEET.DWG



1D AS1.0 OVERALL SITE PLAN

SCALE: 1"=30'



5E AS1.0 ACCESSIBLE PARKING

SCALE: 1"=10'-0"

LEGEND

CONCRETE PAVING

(E) ACCESSIBLE PATH OF TRAVEL

GENERAL NOTES

ACCESSIBLE PATH OF TRAVEL:

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLANS IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL SHALL BE 5% MAXIMUM AND SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". PATH SHALL NOT HAVE A DROP OFF OF MORE THAN 4". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTIONS DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

EXISTING BUILDING DESIGNATIONS

UNIT	DESCRIPTION	DSA APPLICATION NUMBER
A-F1-G1	ADMIN/CLASSROOMS	8389, 16110
B	AUDITORIUM	8389
C	CAFETERIA	14811
D	GYMNASIUM	14811
E	CLASSROOMS	8389, 14811, 02-105646
F2	CLASSROOMS	8389
G2	CLASSROOMS	8389
H1-H2	CLASSROOMS	8389, 14811
J	CLASSROOMS	8389
K1-K2	CLASSROOMS	14811
L1-L2	PORTABLE CLASSROOMS	02-114973
M1-M2	PORTABLE CLASSROOMS	02-114973

FIRE HAZARD ZONE

1. THIS PROJECT IS NOT LOCATED IN THE FIRE HAZARD ZONE.

HMR ARCHITECTS
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LICENSED ARCHITECT — KEITH DAMKROGER — No. 24706 — REN. 12/31/25 — STATE OF CALIFORNIA

DSA #02-124123
FILE #34-53

TK CLASSROOM ALTERATION

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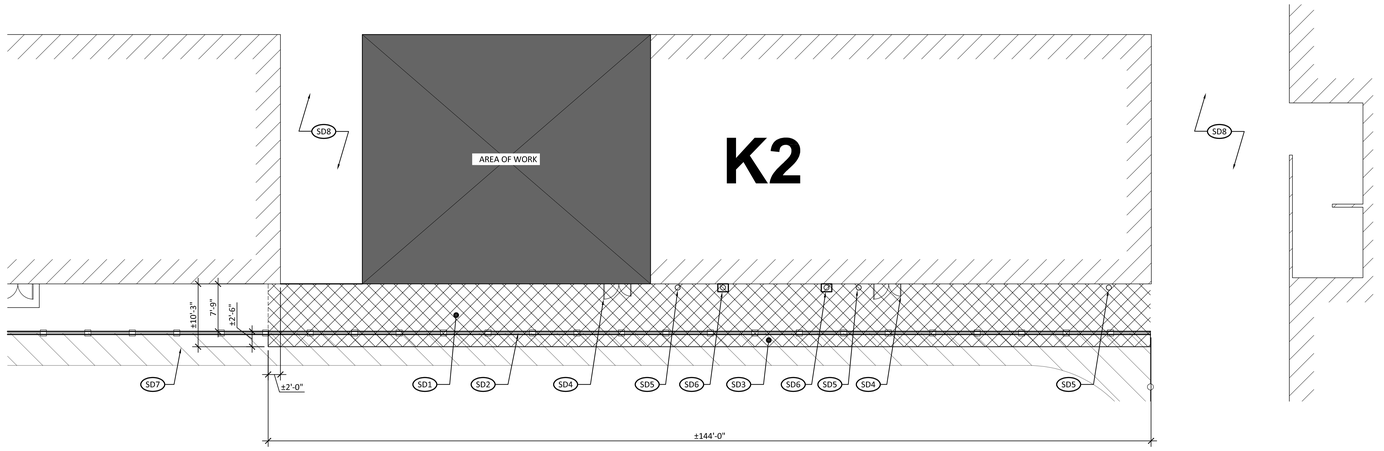
SITE PLAN

APRIL 15, 2026

DRAWN BY: GW
CHECKED BY: KD
JOB NO: 26006

AS1.0

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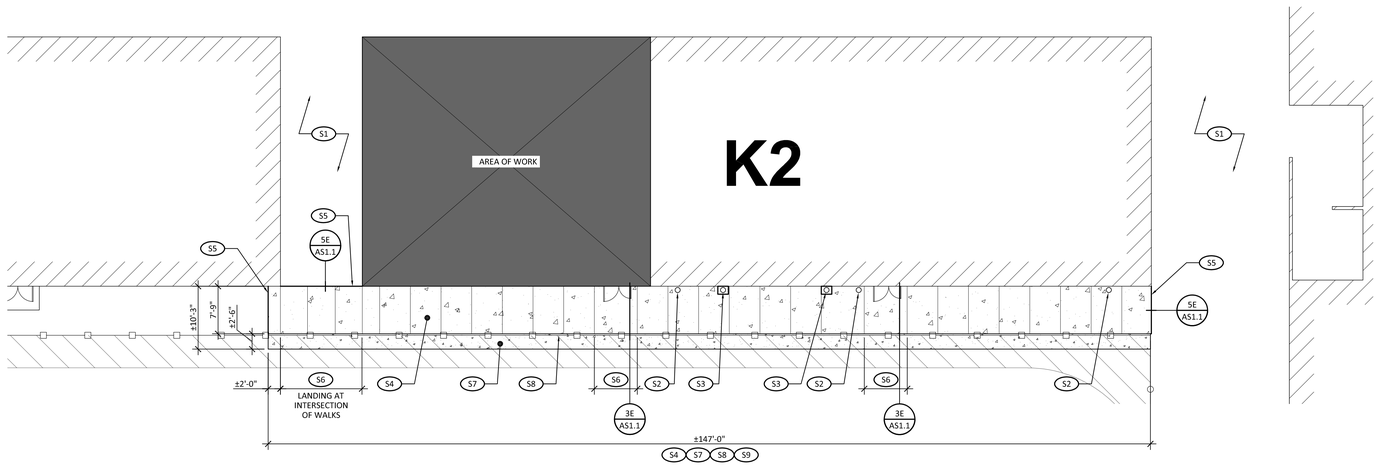
NORTH

18 AS1.1 ENLARGED DEMO SITE PLAN

SCALE: 1"=10'-0"

DEMO SITE PLAN KEYNOTES

- SD1 DEMO (E) ASPHALT WALK. PROTECT UTILITIES AND DOWN SPOUTS
- SD2 REMOVE (E) DECORATIVE IRON FENCE PANELS, SALVAGE FOR REINSTALL. POSTS TO REMAIN, PROTECT DURING CONSTRUCTION.
- SD3 DEMO (E) ±24" ASPHALT IN PARKING LOT
- SD4 (E) LOCATION OF EXIT DOOR
- SD5 (E) DOWNSPOUT WITH CLEAN OUT TO REMAIN
- SD6 REMOVE (E) METAL PIPE CHASE AT WATER SERVICE. SALVAGE TO REINSTALL
- SD7 (E) STRIPING
- SD8 (E) CONCRETE WALKWAY



NORTH

1D AS1.1 ENLARGED SITE PLAN

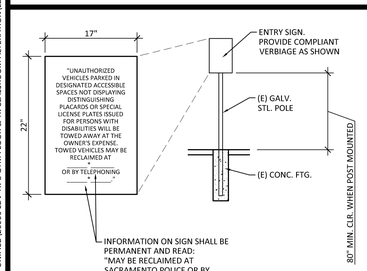
SCALE: 1"=10'-0"

SITE PLAN KEYNOTES

- S1 (E) CONCRETE WALK
- S2 (E) STEEL DOWNSPOUT. RAISE DOWNSPOUT BEND ABOVE CONCRETE AS REQUIRED
- S3 INSTALL FOAM SLEEVE AROUND (E) PIPE BEFORE ENCASING IN CONCRETE. REINSTALL SALVAGED COVER AFTER CONCRETE INSTALLATION.
- S4 CONCRETE PAVING. SEE 6E AS1.1
- S5 FLUSH TRANSITION. SEE 5E AS1.1
- S6 INSTALL CONCRETE LANDING WITH 1.8% MAX SLOPE IN ANY DIRECTION. REMAINDER OF CONCRETE WALK SLOPE SHALL BE 4.8% MAX IN DIRECTION OF TRAVEL AND 1.8% MAX CROSS SLOPE. SEE 6E AS1.1
- S7 PATCH BACK ASPHALT BACK AFTER CURB IS CONSTRUCTED
- S8 (E) FENCE POSTS IN CURB. REINSTALL FENCE PANELS AFTER CURB IS CONSTRUCTED
- S9 CONT. CONCRETE CURB. SEE 3E AS1.1

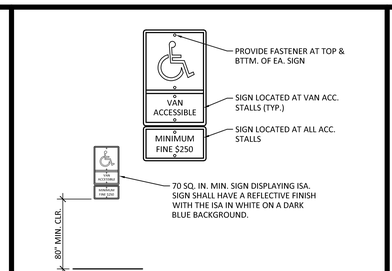
GENERAL NOTES

1. PROTECT (E) UTILITIES, FENCING, AND WALKWAYS DURING DEMOLITION AND CONSTRUCTION.
2. NO DEMOLITION WORK SHALL BEGIN UNTIL PLANS, INCLUDING DEMOLITION WORK IS DSA APPROVED.
3. RAISE ANY UTILITY BOXES OR LIDS IN AREA OF WORK TO BE FLUSH WITH NEW CONCRETE WALK.



1E AS1.1 TRAFFIC ENTRY WARNING SIGN

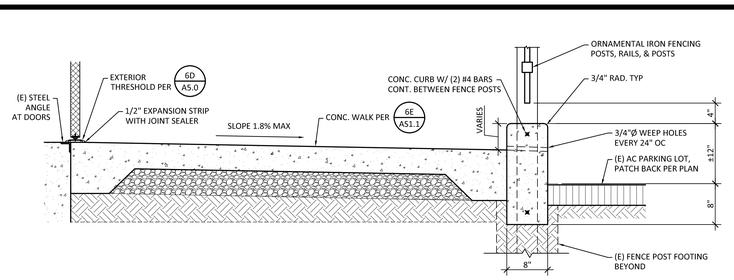
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2025 CBC SECTION 11B-502.6

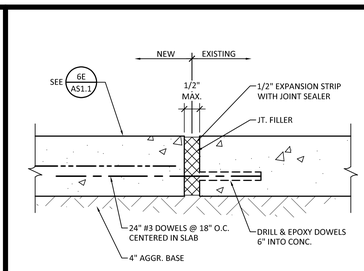
2E AS1.1 ACCESSIBLE PARKING STALL SIGN

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



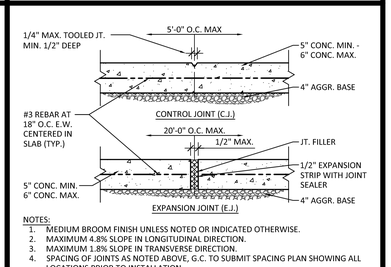
3E AS1.1 CONCRETE WALKWAY SECTION

SCALE: 1"=1'-0"



5E AS1.1 NEW TO EXISTING CONCRETE PAVING

SCALE: 3"=1'-0"



NOTES:
1. MEDIUM BROOM FINISH UNLESS NOTED OR INDICATED OTHERWISE.
2. MAXIMUM 4.8% SLOPE IN LONGITUDINAL DIRECTION.
3. MAXIMUM 1.8% SLOPE IN TRANSVERSE DIRECTION.
4. SPACING OF JOINTS AS NOTED ABOVE, G.C. TO SUBMIT SPACING PLAN SHOWING ALL LOCATIONS PRIOR TO INSTALLATION.
5. SET ALL CONCRETE WORK ON MINIMUM 4" AGGREGATE BASE. AB ABOVE COMPACTED NATIVE SPOIL (PROVIDE 90% COMPACTION).

6E AS1.1 CONCRETE PAVING

SCALE: 1 1/2"=1'-0"

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FILE #34-53

TK CLASSROOM ALTERATION

LEONARDO DA VINCI K-8 SCHOOL

4701 JOAQUIN WAY
SACRAMENTO CA 95822

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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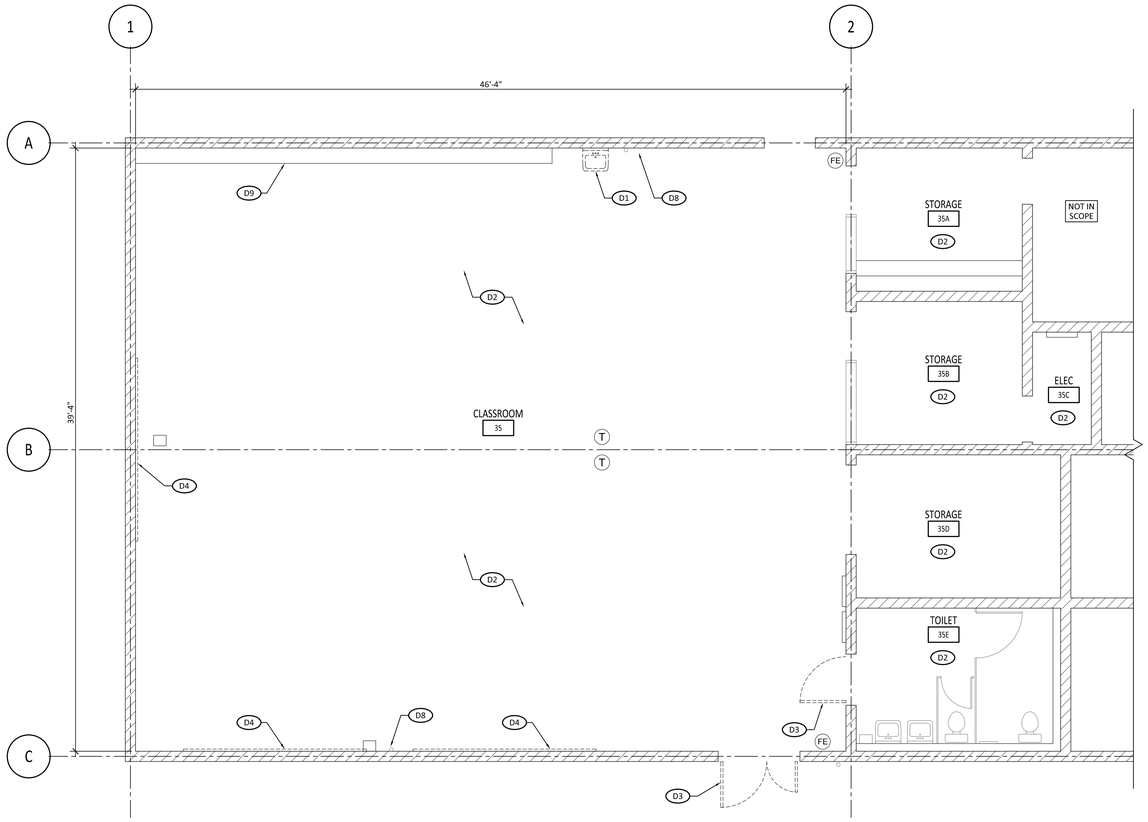
ENLARGED SITE PLAN

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AS1.1

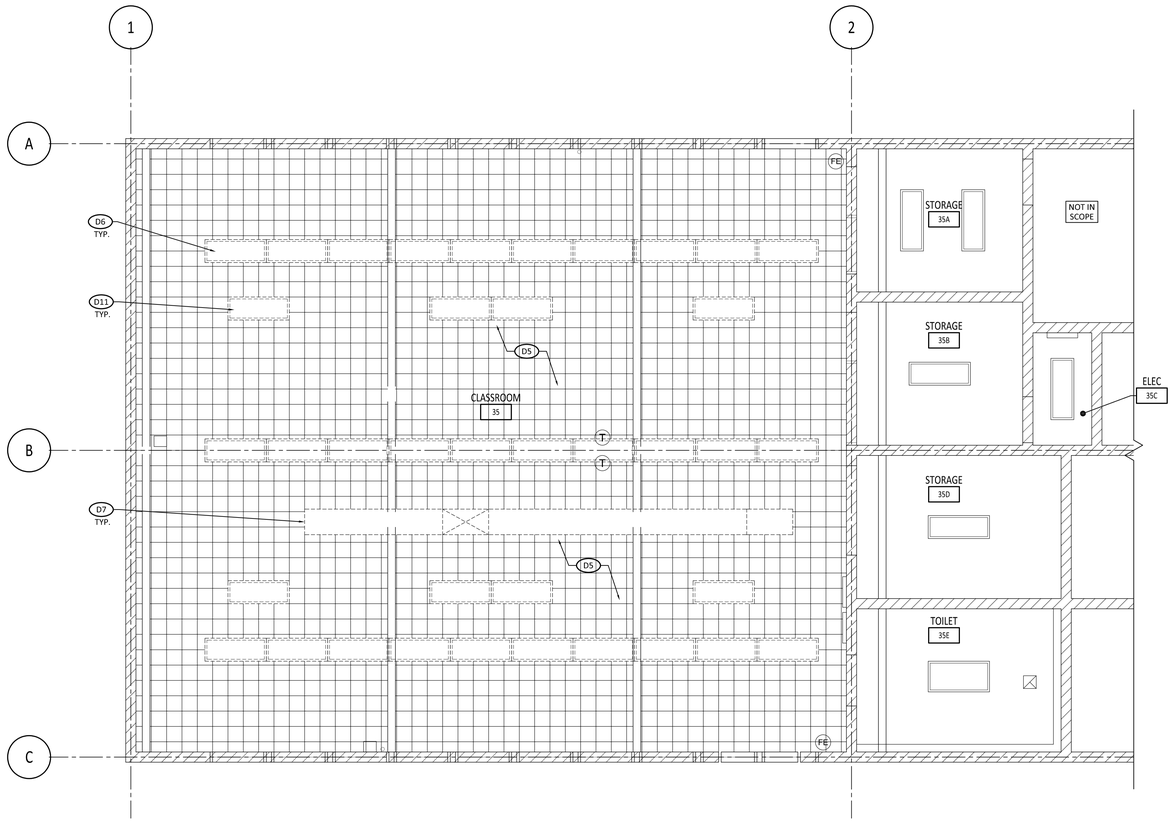
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1C / AD1 DEMO FLOOR PLAN

PLAN NORTH

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



1E / AD1 DEMO REFLECTED CEILING PLAN

PLAN NORTH

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

DEMOLITION KEYNOTES

- D1 DEMO (E) SINK. SEE P-SHEETS
- D2 DEMO (E) FLOORING TO SLAB & DEMO BASE
- D3 DEMO (E) DOOR. PM FRAME TO REMAIN.
- D4 DEMO (E) WHITEBOARD
- D5 DEMO (E) TILE CEILING, FURRING STRIPS, & INSULATION
- D6 DEMO (E) PENDANT LIGHT FIXTURES. SEE E-SHEETS
- D7 DEMO (E) DUCTWORK. SEE M-SHEETS
- D8 (E) VENT PIPE TO REMAIN. SEE P-SHEETS
- D9 (E) BOOK SHELVES TO REMAIN
- D10 DEMO (E) NON-COMPLIANT ROOM SIGN
- D11 DEMO (E) SURFACE MOUNTED LIGHT FIXTURES. SEE E-SHEETS

DEMOLITION LEGEND

- (E) 8" CMU WALL
- (E) DOOR AND FRAME
- # KEYNOTE
- # GRIDLINE
- (E) LIGHT FIXTURE TO BE REMOVED
- (E) 12x12 ACOUSTICAL TILES AND FURRING STRIPS TO BE REMOVED
- (E) GYP. BD. CEILING & LIGHT FIXTURES TO REMAIN

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TK CLASSROOM ALTERATION

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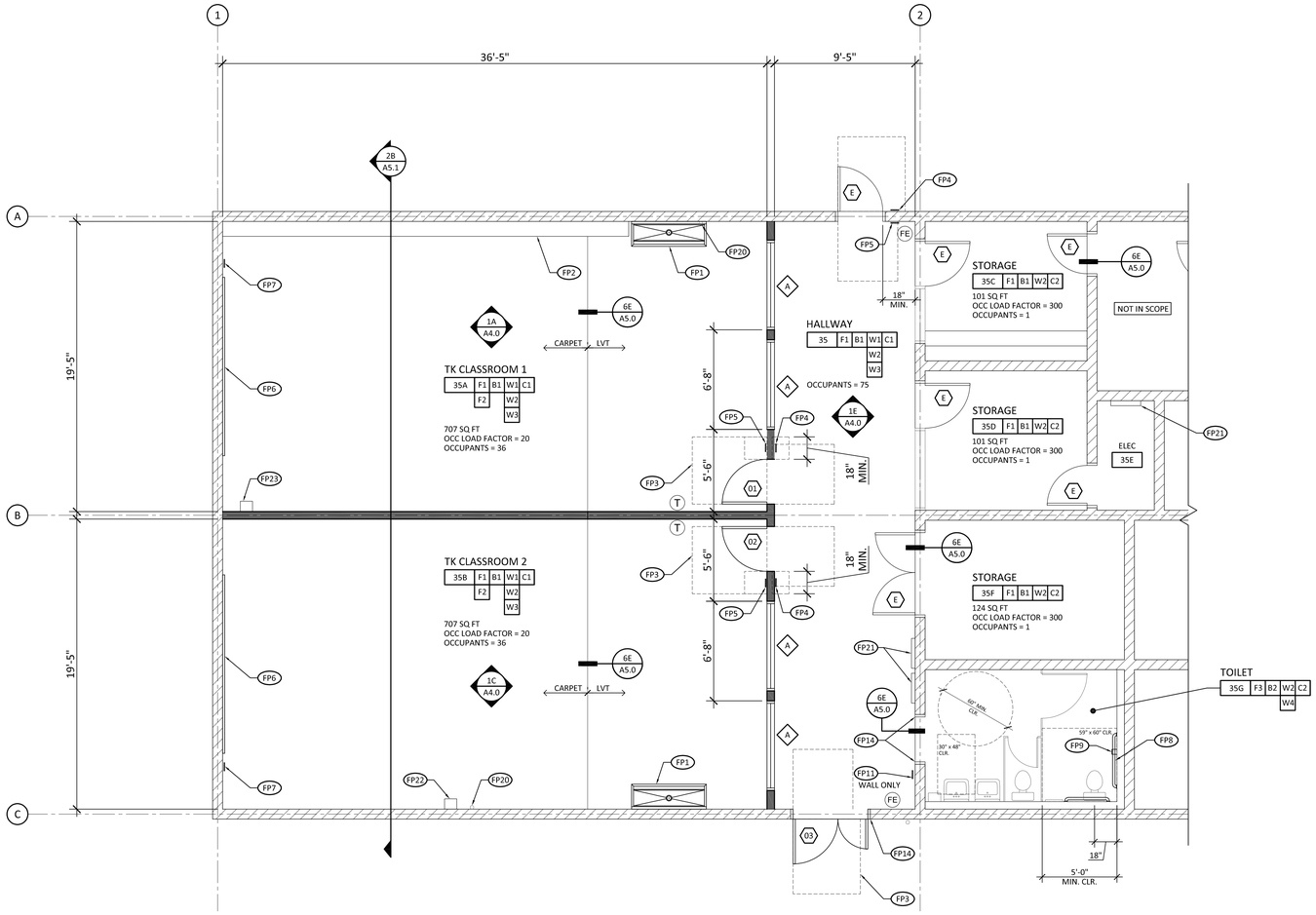
DEMOLITION PLANS

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AD1

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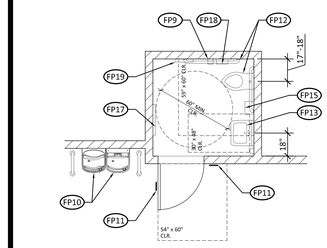


PLAN NORTH

1E / A1.0 TK BUILDING FLOOR PLAN

FILE:

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



5A / A1.0 (E) ACCESSIBLE STAFF RESTROOM

FILE:

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

FLOOR PLAN KEYNOTES

- FP1 THREE FAUCET TROUGH SINK. SEE P-SHEETS
- FP2 (E) CABINETRY TO REMAIN
- FP3 FLOOR CLEARANCE AT DOOR. SEE 1C / A5.0
- FP4 ROOM IDENTIFICATION SIGNAGE PER 4B / A5.0
- FP5 EXIT SIGNAGE PER 1D / A5.0
- FP6 4'x8' WHITE BOARD INSTALLED ON WALL PER 4E / A5.0
- FP7 ASSISTIVE LISTENING SIGN PER CBC 11B-216.10
- FP8 INSTALL GRAB BARS @ CHILD ACCESSIBLE TOILET. SEE 5D / A5.0 5E / A5.0
- FP9 REPLACE TOILET PAPER DISPENSER. SEE SPEC AND DTL 2B / A5.0 3B / A5.0
- FP10 (E) ACCESSIBLE HI-LO WATER FOUNTAIN
- FP11 RESTROOM IDENTIFICATION SIGN 2C / A5.0
- FP12 (E) ACCESSIBLE TOILET & GRAB BARS
- FP13 (E) ACCESSIBLE LAVATORY
- FP14 FILL HINGE MORTISES & SCREW HOLES ON P.M. DOOR FRAME, THEN SAND & PAINT TO MATCH
- FP15 (E) ACCESSIBLE PAPER TOWEL DISPENSER
- FP16 (E) ACCESSIBLE SOAP DISPENSER
- FP17 (E) ACCESSIBLE MIRROR
- FP18 INSTALL SANITY NAPKIN DISPOSAL. SEE SPEC'S & 2B / A5.0
- FP19 (E) ACCESSIBLE SEAT COVER DISPENSER
- FP20 (E) VENT PIPE. SEE P-SHEETS
- FP21 (E) ELECTRICAL PANELS. SEE E-SHEETS
- FP22 (E) PHONE LOCATION. SEE E-SHEETS.
- FP23 PHONE LOCATION. SEE E-SHEETS.

LEGEND

- (E) 8" CMU WALL
- 3-5/8" x 20 GA. FRAMING @ 16"O.C. WITH 5/8" GYP. BOARD BOTH SIDES
- (T) THERMOSTAT LOCATION
- (FE) FIRE EXTINGUISHER

EXITING ANALYSIS

CLASSROOM OCCUPANTS = 36/CLASSROOM = 72 TOTAL
STORAGE ROOM OCCUPANTS = 3 TOTAL
HALLWAY & RESTROOM CONSIDERED UNOCCUPIED SPACES
TOTAL OCCUPANTS = 75

PER CBC TABLE 1006.2.1
TOTAL OCCUPANTS = 75 >49
TWO EXITS REQUIRED
TWO EXITS PROVIDED
REQUIRED EXITING WIDTH = 75 x 0.2 = 15 INCHES
TWO 36 INCH EXITS PROVIDED = 72 INCHES > 15 INCHES OK

FINISH SCHEDULE

ROOM NAME / ROOM NUMBER / CEILING / FLOORS / WALLS / BASE

FLOORS:

- F1 LVT — MFR: TARKETT; STYLE: LATTITUDE PLANK; COLOR: TBD
- F2 CARPET — MFR: TARKETT; STYLE: AFTERMATH II; COLOR: T.B.D.
- F3 SHEET VINYL — MFR: TARKETT; STYLE: IQ OPTIMA; COLOR: TBD

WALLS:

- W1 5/8" GYP BD. TAPE, TEXTURE, & PAINT. PAINT COLOR P1
- W2 (E) CMU. PAINT
- W3 4'x8' VINYL COVERED TACK BOARD PANELS. COLOR: T.B.D.
- W4 (E) FRP TO REMAIN

BASE:

- B1 4" RUBBER BASE — MFR: ROPPE; STYLE: PINNACLE 6" RUBBER BASE; COLOR: TBD
- B2 INTEGRAL COVED SHEET VINYL COLOR TO MATCH F3

CEILING:

- C1 5/8" GYP. BD. TAPE, TEXTURE, & PAINT. COLOR: P1
- C2 (E) GYP BD. PAINT COLOR: P1

PAINT LEGEND:

P1 = TBD BY DISTRICT

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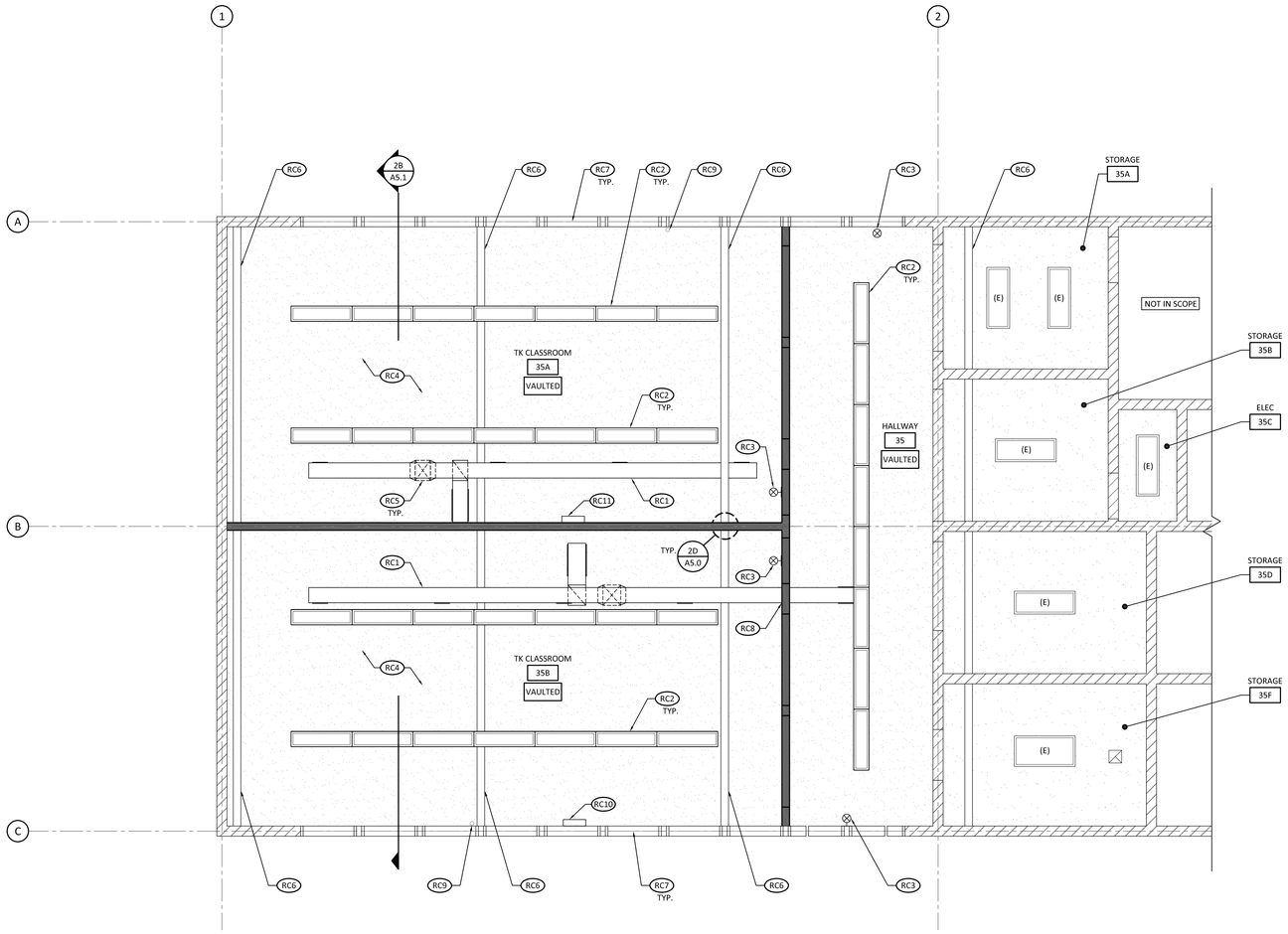
FLOOR PLAN

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A1.0

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PLAN NORTH

1E / A2.0 REFLECTED CEILING PLAN

FILE:

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

LEGEND

(E)	(E) LIGHT FIXTURE
	12" x 48" PENDANT LIGHT FIXTURE. SEE E-SHEETS
⊗	ILLUMINATED EXIT LIGHT. SEE E-SHEETS
	EXISTING GYP BOARD CEILING - PAINT
	GYP BOARD CEILING OVER (E) ROOF JOISTS - PAINT

REFLECTED CEILING PLAN KEYNOTES

- RC1 EXPOSED HVAC DUCTS. SEE M-SHEETS. PAINT
- RC2 PENDANT LIGHT FIXTURE. SEE E-SHEETS
- RC3 ILLUMINATED EXIT SIGN. SEE E-SHEETS
- RC4 GYP BOARD CEILING THROUGHOUT, TAPED, TEXTURED, AND PAINTED
- RC5 ADD 2x3 PAINTED WOOD TRIM AROUND DUCT PENETRATION AT GYP BD CEILING. SEE DTL. 6C / A5.1
- RC6 (E) STEEL WF BEAMS - PAINT
- RC7 (E) CLEARSTORY WINDOWS. PAINT MULLIONS
- RC8 DUCT PENETRATION AT WALL. SEE DTL. 2E / A5.0
- RC9 (E) VENT PIPE. SEE P-SHEETS
- RC10 (E) CLK/SPEAKER. SEE E-SHEETS.
- RC11 CLK/SPEAKER TO MATCH (E). SEE E-SHEETS.

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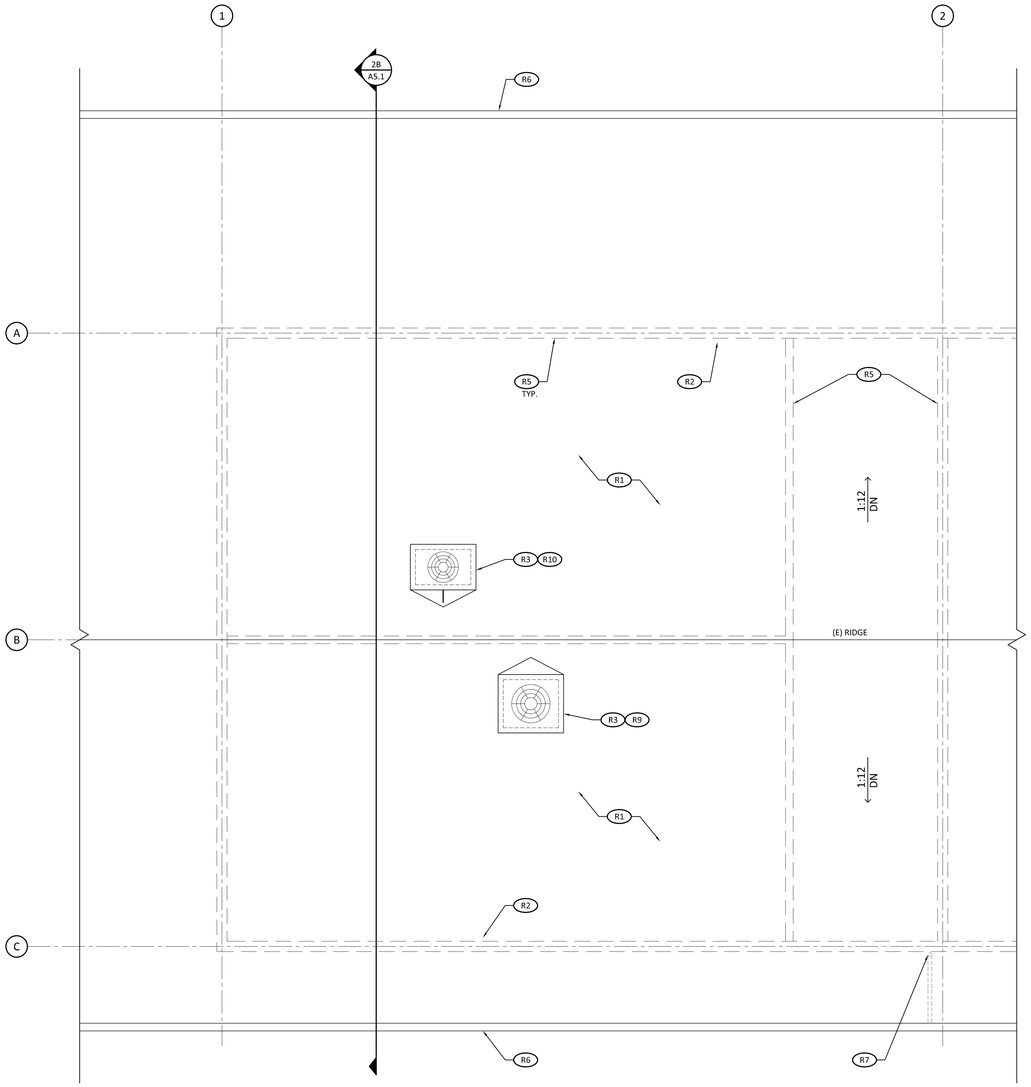
REFLECTED CEILING PLAN

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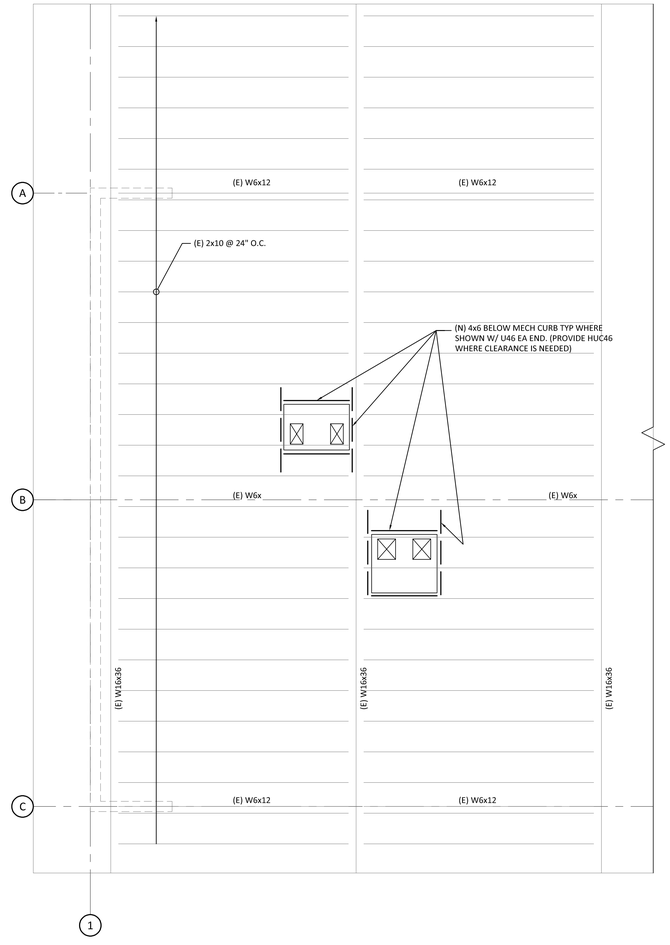
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PLAN NORTH

1E A3.0 ROOF PLAN

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



PLAN NORTH

4E A3.0 ROOF FRAMING PLAN

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

GENERAL NOTES

1. (E) CONDUITS AND PIPING FOR (E) UNITS TO REMAIN. INSTALL CONDUITS FOR TK UNITS PER M-, P-, AND E-SHEETS

ROOF PLAN KEYNOTES

- R1 (E) CLASS 'A' BUILT-UP ROOFING
- R2 EXISTING ROOF VENT
- R3 MECHANICAL UNIT PER M-SHEETS. FOR CURB FLASHING, SEE 6C/A5.1 6D/A5.1
- R4 OVER-FRAME CRICKET AT MECHANICAL UNIT
- R5 WALLS BELOW SHOWN DASHED
- R6 (E) GUTTER
- R7 (E) DOWNSPOUT
- R8 (E) EXHAUST FANS TO REMAIN
- R9 UNIT PLACES AT SAME LOCATION OF (E) UNIT. SEE SUPPORT FRAMING DTL. 4E/A3.0
- R10 UNIT IN NEW LOCATION. CUT BACK ROOFING AND CUT NEW PENETRATIONS. SEE DTL. 6C/A5.1 6D/A5.1 4E/A3.0

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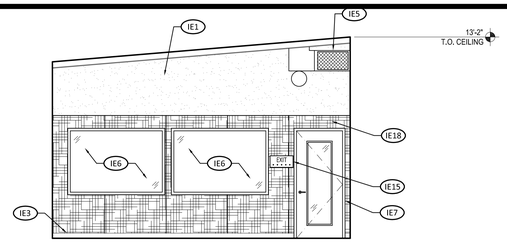
ROOF PLAN

APRIL 15, 2026

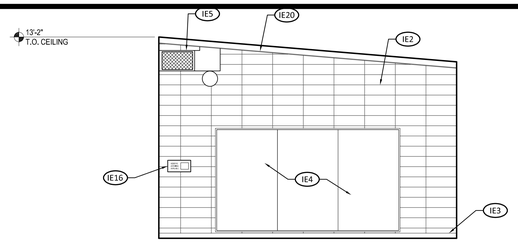
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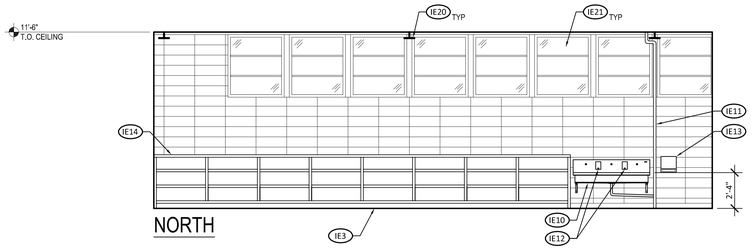
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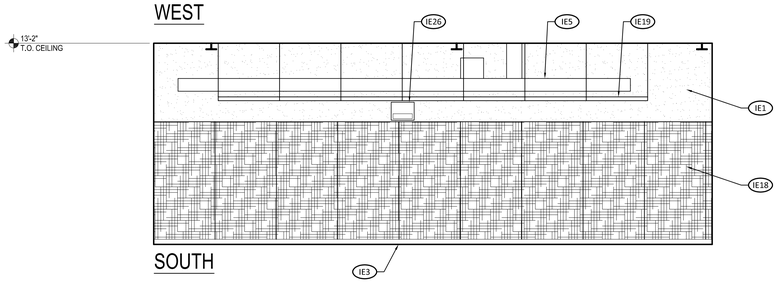
EAST



WEST



NORTH



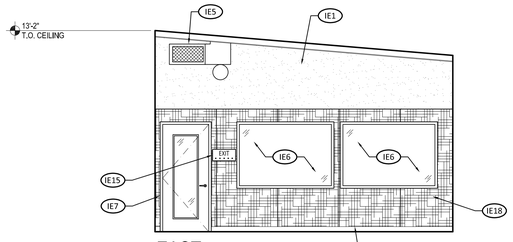
SOUTH

1A A4.0 TK CLASSROOM 35A INTERIOR ELEVATIONS

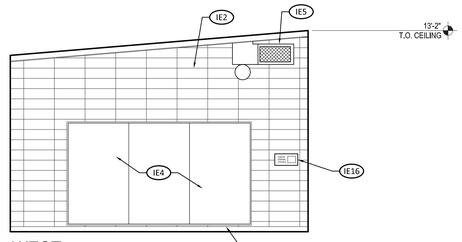
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INTERIOR ELEVATION KEYNOTES

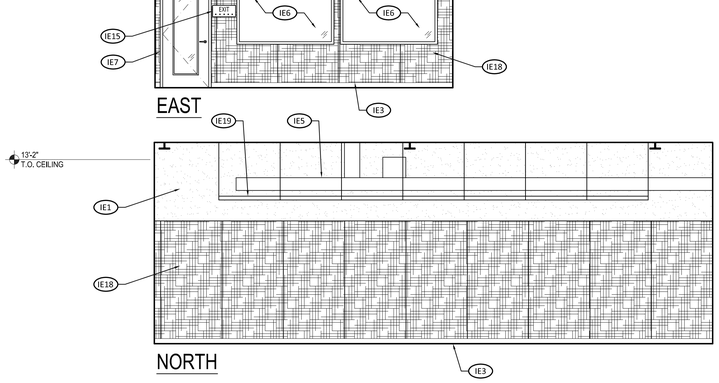
- IE1 GYP. BOARD TAPE AND TEXTURE TO MATCH (E) PAINT
- IE2 (E) CMU. PAINT
- IE3 RUBBER BASE. SEE FINISH SCHEDULE AND SPEC.
- IE4 WHITEBOARD MOUNTED TO (E) CMU WALL. SEE 4E / A5.0
- IE5 HVAC DUCT SUSPENDED FROM CEILING, SEE M-SHEETS
- IE6 WINDOW IN PM FRAME, SEE SCHEDULE 5B / A5.0
- IE7 DOOR AND FRAME, SEE SCHEDULE 4A / A5.0
- IE8 (E) WINDOW IN PM FRAME. PAINT.
- IE9 (E) DOOR AND PM FRAME. PAINT.
- IE10 THREE FAUCET TROUGH SINK, SEE P-SHEETS
- IE11 EXISTING VENT RISER. PAINT.
- IE12 SOAP DISPENSER. SEE SPEC.
- IE13 PAPER TOWEL DISPENSER. SEE SPEC.
- IE14 EXISTING CASEWORK TO REMAIN
- IE15 EXITING SIGNAGE PER 1D / A5.0
- IE16 ASSISTIVE LISTENING AVAILABLE SIGNAGE PER CBC 11B-216.10
- IE17 ROOM IDENTIFICATION SIGNAGE PER 4B / A5.0
- IE18 4' x 8' TACKBOARD PANELS FASTENED TO GYP BRD
- IE19 PENDANT LIGHT FIXTURE, SEE E-SHEETS
- IE20 (E) STEEL BEAM. PAINT.
- IE21 (E) CLERESTORY WINDOWS. PAINT MULLIONS TYP.
- IE22 (E) ELEC PANELS. PAINT. SEE E-SHEETS
- IE23 RESTROOM SIGNAGE. SEE 2C / A5.0
- IE24 (E) PM FRAME. PAINT.
- IE25 WALL MOUNTED FIRE EXTINGUISHER
- IE26 CLK/SPEAKER. SEE E-SHEETS
- IE27 (E) WIREMOLD. PAINT.



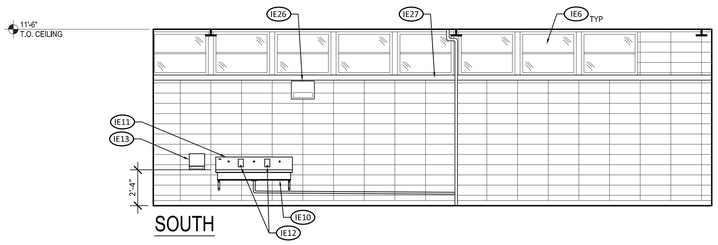
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WEST



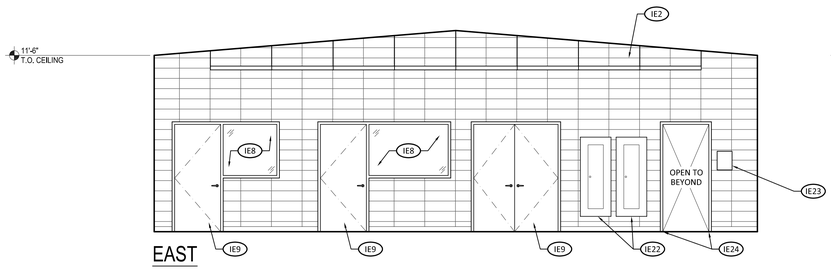
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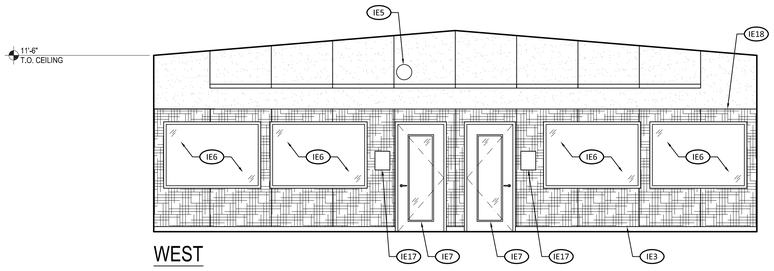
SOUTH

1C A4.0 TK CLASSROOM 35B INTERIOR ELEVATIONS

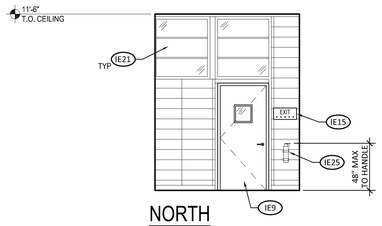
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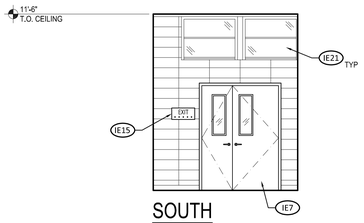
EAST



WEST



NORTH



SOUTH

1E A4.0 TK CLASSROOM HALLWAY 35 INTERIOR ELEVATIONS

PLAN NORTH

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

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No. 24706
REN. 12/31/25
STATE OF CALIFORNIA

DSA #02-124123
FILE #34-53

TK CLASSROOM ALTERATION

LEONARDO DA VINCI K-8 SCHOOL

4701 JOAQUIN WAY
SACRAMENTO CA 95822

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	DESCRIPTION	DATE

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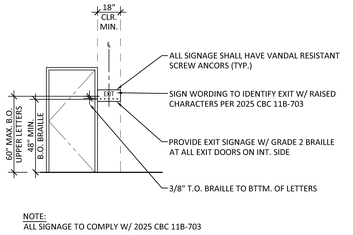
INTERIOR ELEVATIONS

APRIL 15, 2026

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CHECKED BY: KD
JOB NO. 26006

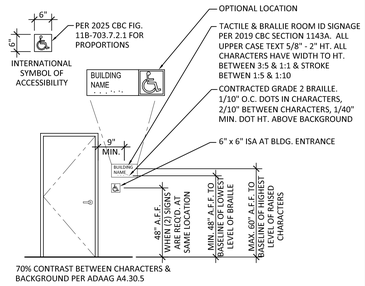
A4.0

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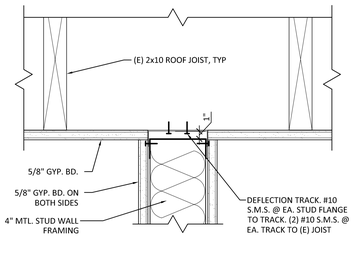
1A A5.0 TACTILE EXIT SIGNAGE

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



2A A5.0 BUILDING ENTRANCE SIGNAGE

SCALE: N.T.S.



3A A5.0 WALL FRAMING AT (E) CEILING

FILE:

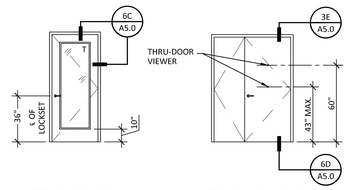
SCALE: 3"=1'-0"

DOOR SCHEDULE

DOOR NUMBER	DOOR SIZE	ROOM	DOOR ELEV	DOOR MAT'L.	DOOR FINISH	FRAME TYPE	FRAME FINISH	HARDWARE GROUP	RATING	COMMENTS
01	3'-0" x 7'-0" x 1 3/4"	35A	A	WOOD	PAINT	P.M.	PAINT	001	NONE	SEE SPEC FOR HARDWARE
02	3'-0" x 7'-0" x 1 3/4"	35B	A	WOOD	PAINT	P.M.	PAINT	001	NONE	SEE SPEC FOR HARDWARE
03	3'-0" x 7'-0" x 1 3/4" W/ 2' LEAF	35	B	H.M.	PAINT	(E) P.M.	PAINT	002	NONE	SEE SPEC FOR HARDWARE
E	EXISTING DOOR TO REMAIN. PAINT DOORS AND FRAMES.									

DOOR NOTES:
1. PULL (OR LEVERS) SHALL BE MOUNTED AT +34" MIN. AND +44" MAX. A.F.F.
2. ALL DOORS SHALL BE OPERABLE WITH A MAXIMUM EFFORT FORCE OF 5 LBS. FOR EXTERIOR DOORS, 5 LBS. FOR INTERIOR DOORS AND SHALL NOT EXCEED 15 LBS. FOR DOORS IN FIRE RATED ASSEMBLIES.

ABBREVIATIONS:
P.M. = PRESSED METAL FRAME
H.M. = HOLLOW METAL DOOR
T = TEMPERED GLASS

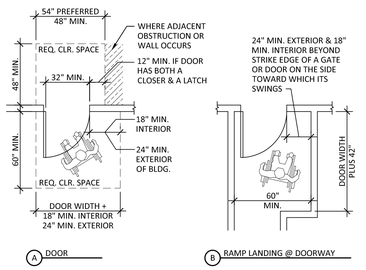


A SC WOOD DOOR IN P.M. FRAME

B HM DOOR IN HOLLOW P.M. FRAME

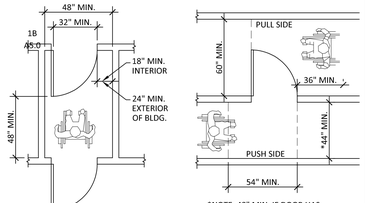
4A A5.0 DOOR SCHEDULE

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



A DOOR

B RAMP LANDING @ DOORWAY



C VESTIBULE

*NOTE: 48" MIN. IF DOOR HAS BOTH A LATCH & CLOSER

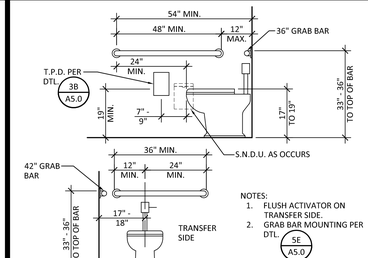
D CORRIDOR

NOTES:
1. CLEAR SPACES MUST BE LEVEL TO PREVENT WHEELCHAIRS FROM ROLLING WHEN THE OCCUPANT RELEASES THE WHEEL GRIPS TO REACH FOR THE DOOR. 1/4" PER FOOT IS ALLOWED FOR DRAINAGE.
2. WHERE DOORS OPEN ONTO, BUT NOT INTO A CORRIDOR, THE REQUIRED LEVEL AREA BEYOND THE DOORS MAY BE A MIN. OF 48".

1C A5.0 DOOR REQUIREMENT CLEARANCE

FILE:

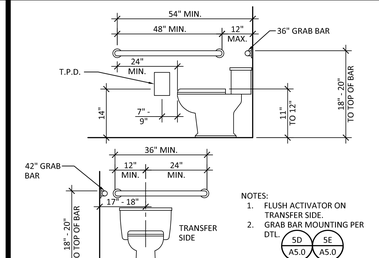
SCALE: N.T.S.



NOTES:
1. FLUSH ACTIVATOR ON TRANSFER SIDE.
2. GRAB BAR MOUNTING PER DTL. 5E A5.0

2B A5.0 ACCESSIBLE ADULT TOILET REQUIREMENTS

SCALE: 1/2"=1'-0"



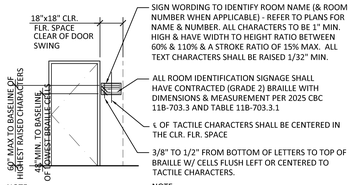
NOTES:
1. FLUSH ACTIVATOR ON TRANSFER SIDE.
2. GRAB BAR MOUNTING PER DTL. 5D A5.0 5E A5.0

3B A5.0 ACCESSIBLE CHILD TOILET REQUIREMENTS

SCALE: 1/2"=1'-0"

LOCATE (1) VERBAL & BRAILLE SIGN @ EA. ROOM ENTRY (INT. & EXT.) DOOR AS SHOWN ON PLANS OR ELEVS.

ALL SIGNAGE SHALL BE COORDINATED WITH DISTRICT INTERIOR STANDARDS. CONFIRM VERBIAGE OF EACH SIGN WITH THE DISTRICT.



NOTE:
ALL SIGNAGE TO COMPLY W/ 2025 CBC SECTION 11B-703

NOTE:
BRAILLE SHALL BE LOCATED @ BTTM. OF SIGN, TYP. 3/8" MIN. SPACE BETWEEN RAISED CHARACTORS/BRAILLE & ANY RAISED FRAME.

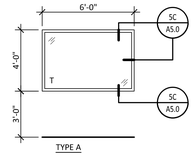
4B A5.0 ROOM IDENTIFICATION SIGN

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

WINDOW SCHEDULE

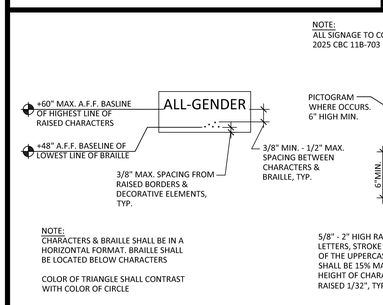
WINDOW NUMBER	OPENING SIZE	TYPE	GLAZING TYPE	OPERABLE	FRAME MAT'L.	FRAME FINISH	ASSEMBLY RATING	REMARKS
A	6'-0"W x 4'-0"H	A	CLEAR SINGLE	NO	PM	PAINT	N/A	SHADES TO BE INSTALLED ON TK CLASSROOM SIDE. SEE SPEC.

NOTES:
1. FIELD VERIFY ALL OPENING SIZES
2. T = TEMPERED



5B A5.0 WINDOW SCHEDULE

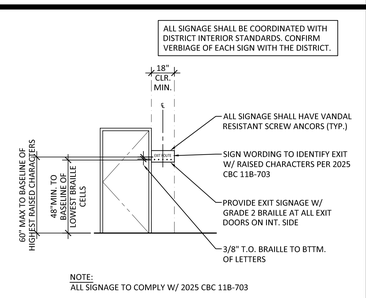
SCALE: 1/4"=1'-0"



2C A5.0 ACCESSIBLE RESTROOM SIGNAGE

SCALE: 1/2"=1'-0"

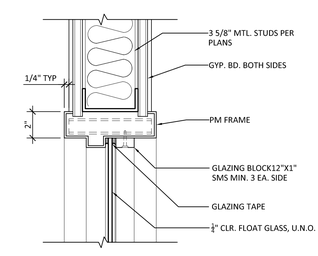
ALL SIGNAGE SHALL BE COORDINATED WITH DISTRICT INTERIOR STANDARDS. CONFIRM VERBIAGE OF EACH SIGN WITH THE DISTRICT.



NOTE:
ALL SIGNAGE TO COMPLY W/ 2025 CBC 11B-703

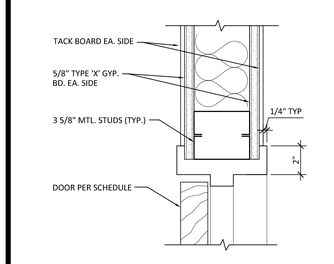
4C A5.0 TACTILE EXIT ROUTE SIGNAGE

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



5C A5.0 INTERIOR WINDOW HEAD, JAMB, AND SILL

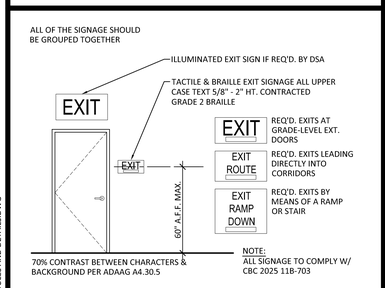
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6C A5.0 INTERIOR DOOR HEAD (JAM SIM)

FILE:

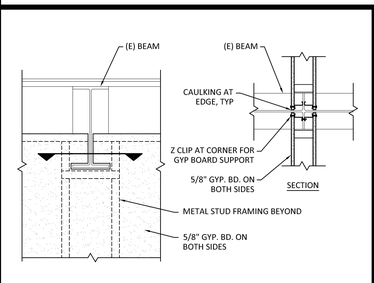
SCALE: 3"=1'-0"



NOTE:
ALL SIGNAGE TO COMPLY W/ CBC 2025 11B-703

1D A5.0 REQUIRED EXIT DOOR SIGNAGE

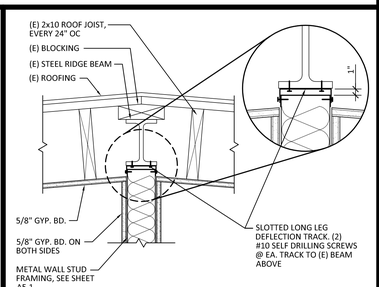
SCALE: N.T.S.



2D A5.0 FRAMING AT BEAM INTERSECTION

FILE:

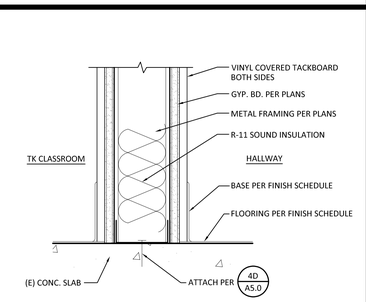
SCALE: 1"=1'-0"



3D A5.0 WALL FRAMING AT RIDGE BEAM

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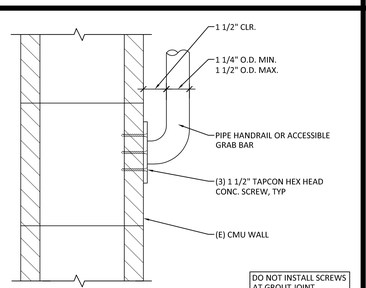
SCALE: 1 1/2"=1'-0"



4D A5.0 PARTITION CONNECTION AT SILL

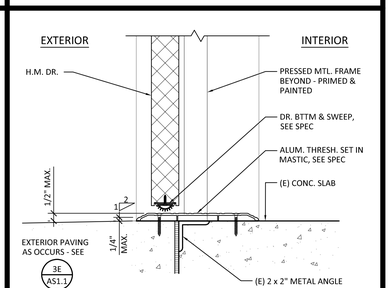
FILE:

SCALE: 3"=1'-0"



5D A5.0 GRAB BAR @ CMU WALLS

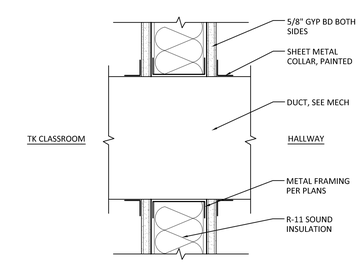
SCALE: 3"=1'-0"



6D A5.0 METAL DOOR THRESHOLD

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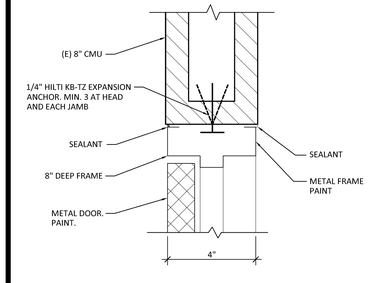
SCALE: 3"=1'-0"



2E A5.0 DUCT PENETRATION AT WALL

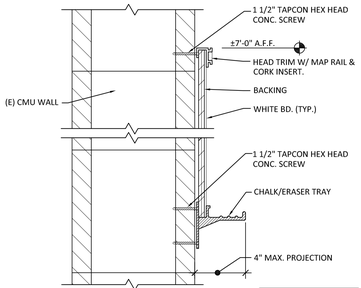
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SCALE: 3"=1'-0"



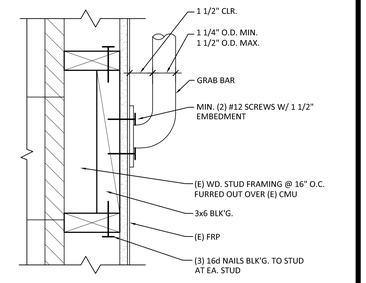
3E A5.0 DOOR HEAD (JAMB SIM) AT CMU WALL

SCALE: 3"=1'-0"



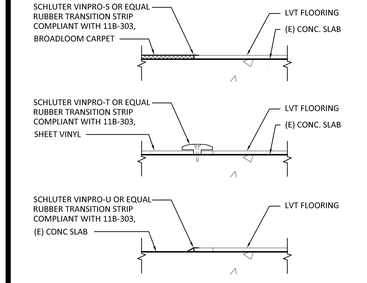
4E A5.0 WHITE BOARD

SCALE: 3"=1'-0"



5E A5.0 GRAB BAR AT WOOD STUDS

SCALE: 3"=1'-0"



6E A5.0 FLOORING TRANSITIONS

SCALE: 3"=1'-0"

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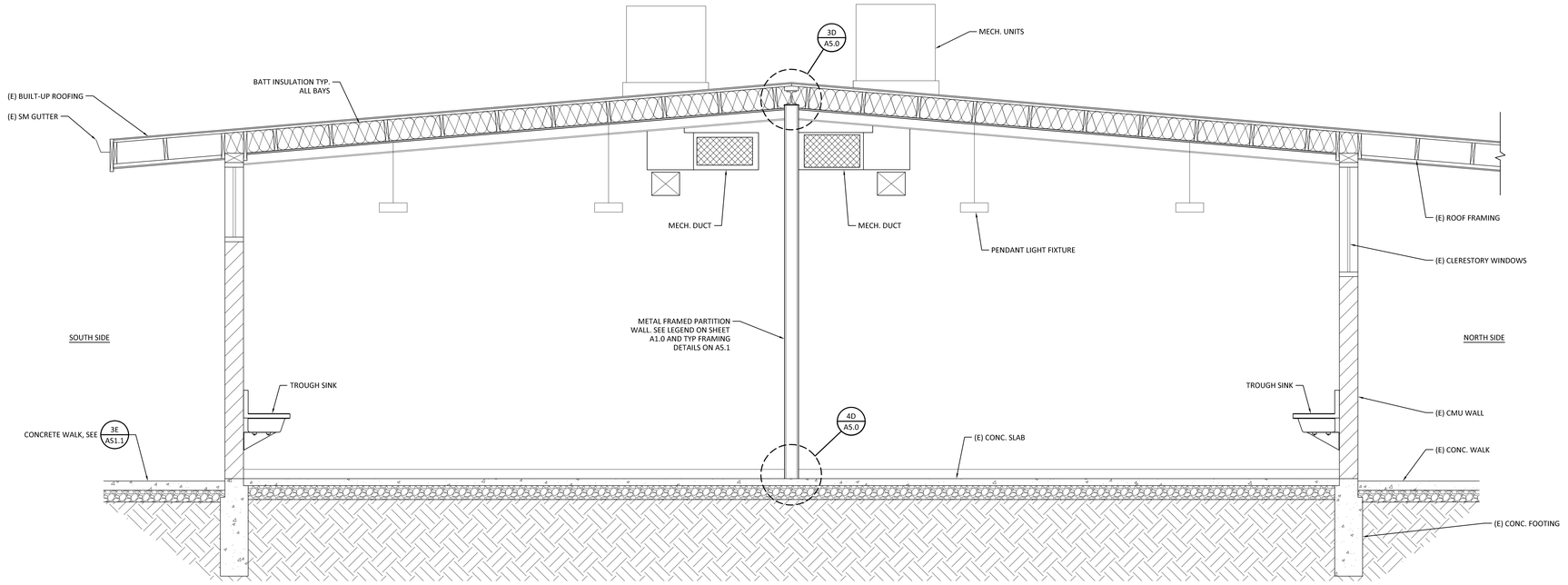
SCHEDULES AND DETAILS

APRIL 15, 2026

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JOB NO. 26006

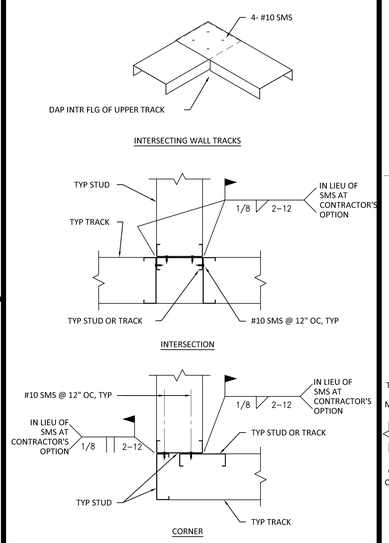
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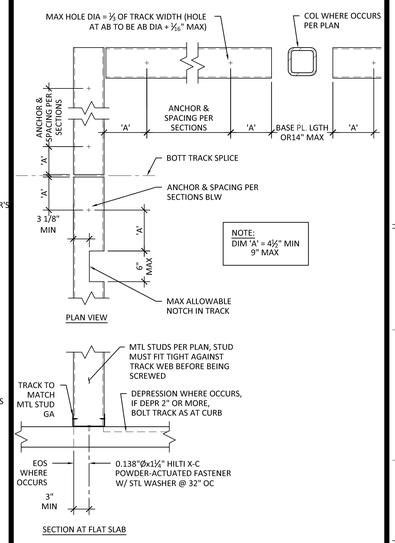
2B A5.1 BUILDING SECTION

SCALE: 1/2"=1'-0"



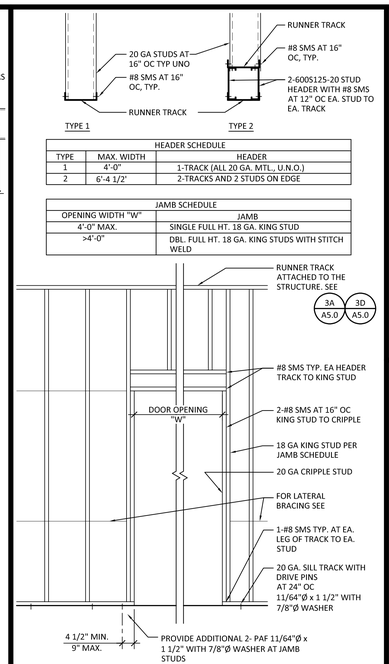
2D A5.1 INTERIOR WALL CORNER & INTERSECTION FRAMING DETAIL

SCALE: 3/4"=1'-0"



3D A5.1 INTERIOR WALL BOTTOM TRACK ANCHORAGE

SCALE: 3/4"=1'-0"



HEADER SCHEDULE

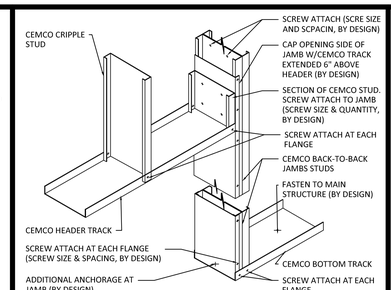
TYPE	MAX. WIDTH	HEADER
1	4'-0"	1-TRACK (ALL 20 GA. MTL., U.N.O.)
2	6'-4 1/2'	2-TRACKS AND 2 STUDS ON EDGE

JAMB SCHEDULE

OPENING WIDTH "W"	JAMB
4'-0" MAX.	SINGLE FULL HT. 18 GA. KING STUD
>4'-0"	DBL. FULL HT. 18 GA. KING STUDS WITH STITCH WELD

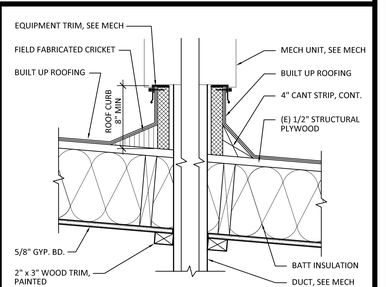
4D A5.1 METAL STUD WALL AND OPENING

SCALE: 1/2"=1'-0"



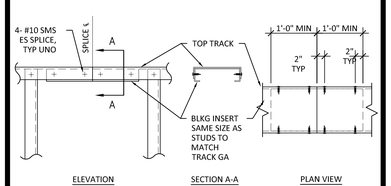
5C A5.1 DOOR NON-LOAD BEARING SINGLE TRACK HEADER BACK TO BACK JAMB

SCALE: N.T.S.



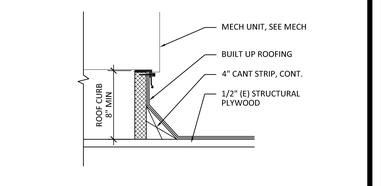
6C A5.1 ROOF CURB - UPHILL

SCALE: 1 1/2"=1'-0"



5D A5.1 TRACK SPLICE DETAIL

SCALE: 3/4"=1'-0"



6D A5.1 ROOF CURB - RAKE

SCALE: 1 1/2"=1'-0"

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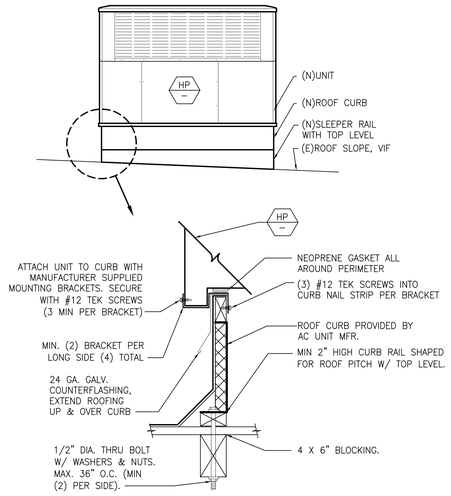
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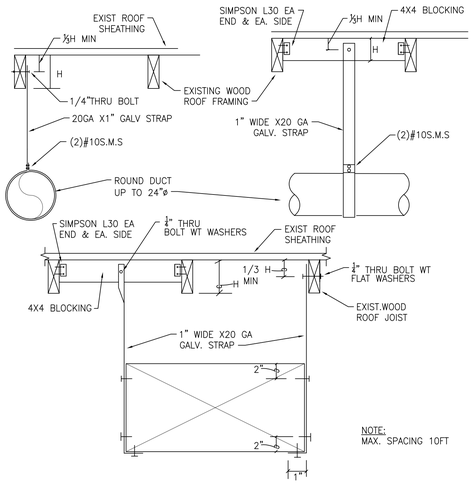
A5.1

4/15/2026 3:04 PM GRANTW
E:\SCHOOLS\SAC CITY UNIFIED\26006 LDV TK-8 GYM FLOOR & TK CLASSROOM ALTERATION\LDV_TK_A5.0 SCHEDULES AND DETAILS.DWG



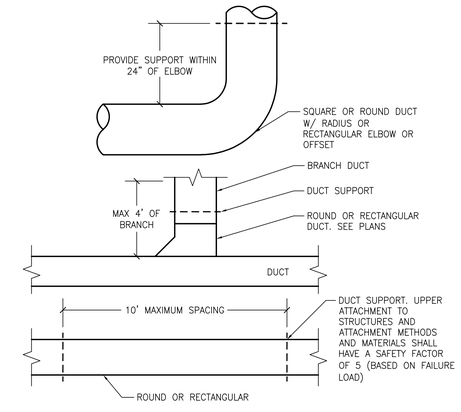
A HEAT PUMP UNIT MOUNTING DETAIL

NO SCALE



B DUCT MOUNTING DETAIL

NO SCALE



C DUCT SUPPORT LOCATION PLAN VIEW – TYP ALL DUCTING

NO SCALE

DSA EQUIP. ANCHOR. & BRACING NOTES

M/E/P COMPONENT ANCHORAGE NOTES:

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA–APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7–16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRAVERSE AND LONGITUDINAL DIRECTIONS.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY THE DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK AND ELECTRICAL CONDUIT:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2022 CBC SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING THE BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16–13.

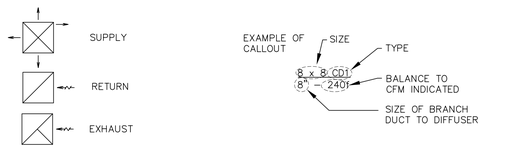
MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

☐ MP ☒ MD ☐ PP ☐ E – OPTION 1: PROJECT SPECIFIC DESIGN

☐ MP ☐ MD ☐ PP ☐ E – OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL

☐ MP ☐ MD ☐ PP ☐ E – OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

DIFFUSER, REGISTER, & GRILLE SCHEDULE



SYMBOL	DESCRIPTION
SSD1	SIDEWALL SUPPLY DIFFUSER – 1 "TITUS" MODEL S300FL, ¾" BLADE SPACING, DOUBLE DEFLECTION ADJUSTABLE BLADES, STEEL CONSTRUCTION, ASD–AIR SCOOP DEVICE, OFF–WHITE PAINT, SIZE AS INDICATED ON DRAWINGS.
SRG1	SIDEWALL RETURN GRILLE – 1 "TITUS" MODEL 25RL, ¾" BLADE SPACING AT 30° FIXED DEFLECTION, STEEL CONSTRUCTION, OPPOSED BLADE DAMPER, OFF–WHITE PAINT, SIZE AS INDICATED ON DRAWINGS.

MECHANICAL ABBREVIATIONS

AAV	AUTOMATIC AIR VENT
ABV	ABOVE
ABC, OH	ABOVE CEILING, OVERHEAD
AC	AIR CONDITIONING
AD	ACCESS DOOR
ADA	AMERICANS W/ DISABILITIES ACT
AE	AIR EXTRACTOR
AFF	ABOVE FINISHED FLOOR
AL	ACOUSTICALLY LINED
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
BAS/BMS	BLDG. AUTOMATION/MANAGEMENT SYSTEM
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BR	BRANCH
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CAV	CONSTANT AIR VOLUME
CD	CONDENSATE DRAIN
CFM, f	CUBIC FEET OF AIR PER MINUTE
CFS	CUBIC FEET PER SECOND
CL	CENTERLINE
CNDL	CONDENSATE (LOW PRESSURE)
CO	CLEANOUT
CONC.	CONCRETE
CONN.	CONNECT
CR	CONDENSATE RETURN (STEAM)
CS	CURRENT SENSOR
CU	CONDENSING UNIT
CU FT	CUBIC FEET
CU IN	CUBIC INCHES
CVB	CONSTANT VOLUME BOX
CW	COLD WATER
DB	DRY BULB
DF	DOUGLAS FIR
DIA, ø	DIAMETER
DSP	DUCT STATIC PRESSURE SENSOR
EA, OA, RA, SA	EXHAUST, OUTSIDE, RETURN & SUPPLY AIR
E.C.	ELECTRICAL CONTRACTOR
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
FA	FACE AREA (SQUARE FEET)
FC	FLEXIBLE CONNECTION
FLA	FULL LOAD AMPS
FPI	FINS PER INCH
FPM	FEET PER MINUTE
GALV.	GALVANIZED
GA	GAUGE
GC	GENERAL CONTRACTOR
GSM	GALVANIZED SHEET METAL
HP	HORSE POWER
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
HZ	FREQUENCY (HERTZ)
LBS	POUNDS
LRA	LOCKED ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBH	BTU PER HOUR (THOUSAND)
MC	MECHANICAL CONTRACTOR
MIN	MINIMUM
MPS	MEDIUM PRESSURE STEAM
(N) (E)	NEW, EXISTING
N.C.	NORMALLY CLOSED
NEG	NEGATIVE
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OP	OPERATING
PH	PHASE
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTDF	PRESSURE TREATED DOUGLAS FIR
P&TRV	PRESSURE & TEMPERATURE RELIEF VALVE
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
(R) (D)	RISE, DROP
RD, OFL	ROOF DRAIN, OVERFLOW
REF	ROOF EXHAUST FAN
REQ'D	REQUIRED
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SAD	SEE ARCHITECTURAL DRAWINGS
SED	SEE ELECTRICAL DRAWINGS
SM	SHEET METAL
SMS	SHEET METAL SCREWS
SOV	SHUT OFF VALVE
SS	STAINLESS STEEL
SSD	SEE STRUCTURAL DRAWING
STL	STEEL
STMM	STEAM (MEDIUM PRESSURE)
TA, FA	TO ABOVE, FROM ABOVE
TB, FB	TO BELOW, FROM BELOW
TBR	TO BE REMOVED
TCC	TEMPERATURE CONTROL CONTRACTOR
TCP	TEMPERATURE CONTROL PANEL
THK	THICK
TR	TO REMAIN
TSP	TOTAL STATIC PRESSURE
TV	TURNING VANES
TYP	TYPICAL
UG, UF	UNDERGROUND, UNDER FLOOR
UON	UNLESS OTHERWISE NOTED
UTR	UP THROUGH ROOF
VAC	VOLTS ALTERNATING CURRENT
VFD	VARIABLE FREQUENCY DRIVE
VIF	VERIFY IN FIELD
WB	WET BULB
WG	WATER GAUGE
WOG	WATER OIL GAS PRESSURE RATING
WP	WATER PRESSURE
WPD	WATER PRESSURE DROP
WT, AT	WATERTIGHT, AIRTIGHT

COMPLIANCE NOTES

MECHANICAL AND PLUMBING EQUIPMENT SHALL CONFORM TO THE FOLLOWING AS STATED IN THE ENERGY EFFICIENCY STANDARDS, 2025.

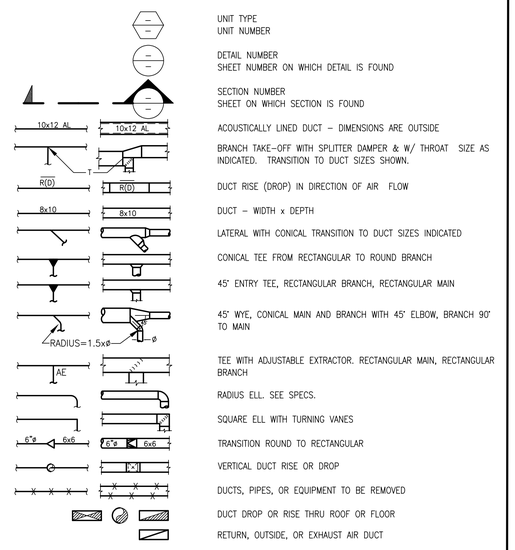
1. BE CERTIFIED BY THE MANUFACTURER AS COMPLYING WITH THE EFFICIENCY REQUIREMENTS AS PRESCRIBED IN SECTIONS:

   110.1 APPLIANCES REGULATED BY THE APPLIANCE EFFICIENCY STANDARDS:
   110.2 HVAC EQUIPMENT EFFICIENCY AND PACKAGED CONTROLS:
   110.3 SERVICE WATER HEATING EFFICIENCY AND CONTROLS:
   110.4 POOL AND SPA HEATING EFFICIENCY AND CONTROLS:
   110.5 RESTRICTIONS ON PILOT LIGHTS:

2. BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH SECTIONS.

   120.1 REQUIREMENTS FOR VENTILATION:
   120.2 REQUIRED CONTROLS FOR HVAC SYSTEMS:
   102.2 (H) DEMAND SHED CONTROLS.
   120.2 (I) ECONOMIZER FAULT DETECTION & DIAGNOSTIC.
   120.3 REQUIREMENTS FOR PIPE INSULATION:
   120.4 REQUIREMENTS FOR DUCT INSULATION:
   120.5 REQUIREMENTS FOR MECHANICAL SYSTEMS
   120.8 BUILDING COMMISSIONING
   120.9 REQUIREMENTS FOR COMMERCIAL BOILERS

MECHANICAL LEGEND



APPLICABLE CODES

CODES:

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

A) STATE OF CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, BUILDING STANDARDS:
   2025 EDITION OF THE CALIFORNIA BUILDING CODE.
   2025 EDITION OF THE CALIFORNIA ELECTRICAL CODE.
   2025 EDITION OF THE CALIFORNIA MECHANICAL CODE.
   2025 EDITION OF THE CALIFORNIA PLUMBING CODE.
   2025 EDITION OF THE CALIFORNIA ENERGY CODE.
   2025 EDITION OF THE CALIFORNIA FIRE CODE.

B) NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) LIFE SAFETY CODE, CR.

PACKAGED ROOFTOP HEAT PUMP UNIT SCHEDULE

SYMBOL	MANUFACTURER	MODEL	NOMINAL TONS	COOLING CAPACITY						FAN			HEATING CAPACITY			SUPPLEMENTAL HEAT		UNIT ELECTRICAL						OPERATING WEIGHT LBS.	REMARKS
				TOTAL MBH	SENSIBLE MBH	EDB °F	EWB °F	AMB °F	SEER2/ EER2 @ ARI	CFM	ESP IN WG	HP	TOTAL INTEGRATED MBH	AMB °F	EDB °F	HSPF2	KW	FLA	VOLTS	PHASE	HZ	MCA	MOCP		
HP 1	FRASER–JOHNSTON	PH3E24N 00S21	2.0	21.5	16.2	80	67	105	13.4 / 12.35	815	0.8	0.5	23.4	47	60	6.7	3.6	17.3	208	1	60	41.5	45	540	1, 2, 3, 4, 5, 6, 7, 8, 9
HP 2	FRASER–JOHNSTON	PH3E36N 00S21	3.0	32.2	21.8	80	67	105	13.4 / 12.8	1050	0.8	0.5	35.1	47	60	6.7	3.6	17.3	208	1	60	49	60	623	1, 2, 3, 4, 5, 6, 7, 8, 9

PROVIDE:
1. "JCI" TEMPERATURE AND CO2 SENSOR – DISTRICT STANDARD.
2. R–454B REFRIGERANT, A2L SENSOR FOR REFRIGERANT DETECTION SYSTEM (BUILT–IN UNIT).
3. ROOF CURB, BY UNIT MFR. MIN 12" TALL. CALCULATED FLAT CURB WITH TOP LEVEL.
4. MERV–13, 1" THICK DISPOSABLE FILTER.
5. ECONOMIZER W/ BAROMETRIC RELIEF
6. PROVIDE SINGLE POINT POWER CONNECTION FOR UNIT AND KW. PROVIDE WITH CIRCUIT BREAKER DISCONNECT.
7. PROVIDE 5 KW NOMINAL ELECTRIC HEATER WITH CIRCUIT BREAKER (APPLIED KW IS 3.6 KW)
8. PROVIDE WITH ELECTROMECHANICAL INTERFACE TO CONNECT TO METASYS BAS.
9. LISTED WEIGHT INCLUDES: UNIT, CURB & ECONOMIZER HOOD

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Project Manager:	NS	Pld Date: Apr 15, 2026 - 8:57am	
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TK CLASSROOM ALTERATION

LEONARDO DA VINCI K-8 SCHOOL

4701 JOAQUIN WAY
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SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

REVISIONS

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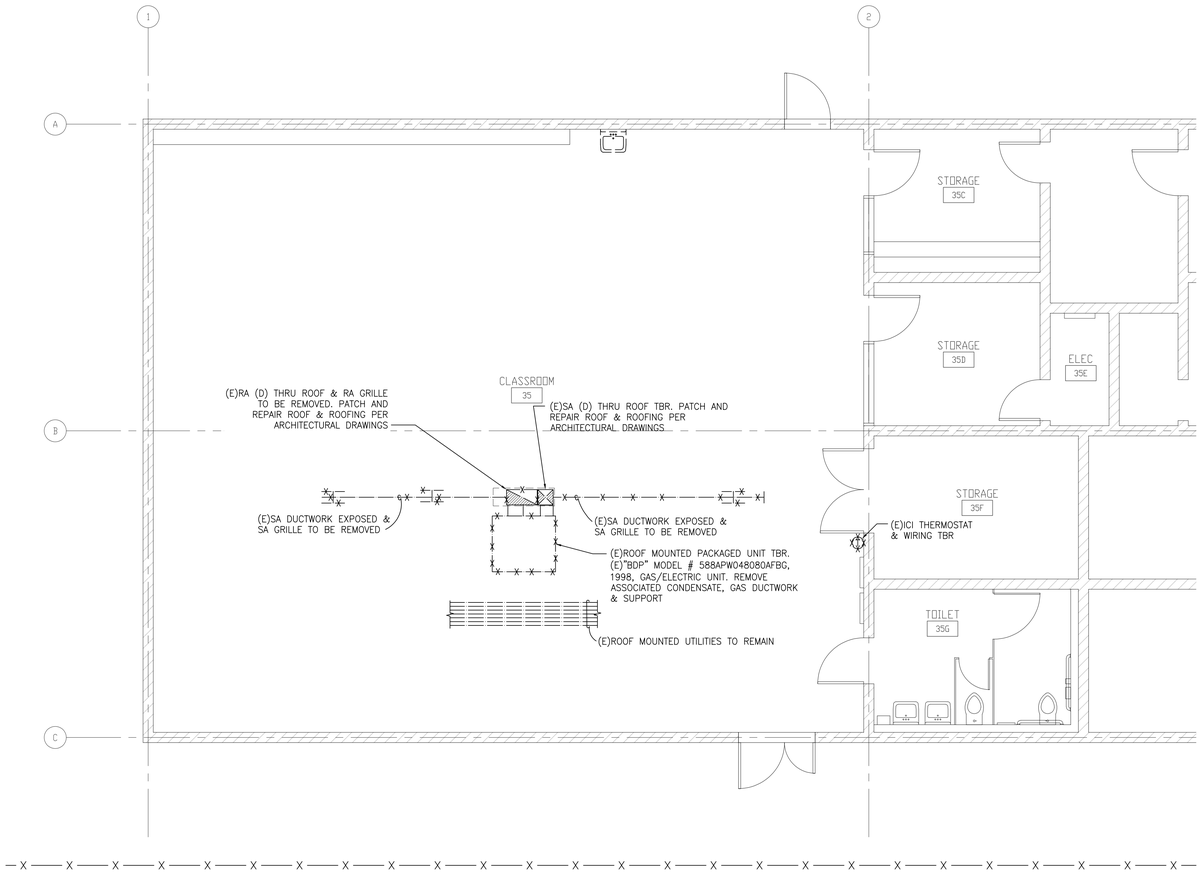
MECHANICAL LEGEND, SCHEDULES AND NOTES

APRIL 15, 2026

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CHECKED BY: KD
JOB NO. 26006

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A MECHANICAL DEMOLITION FLOOR PLAN

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

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Project Manager:	NS	Plot Date:	Apr 15, 2026 - 9:57am
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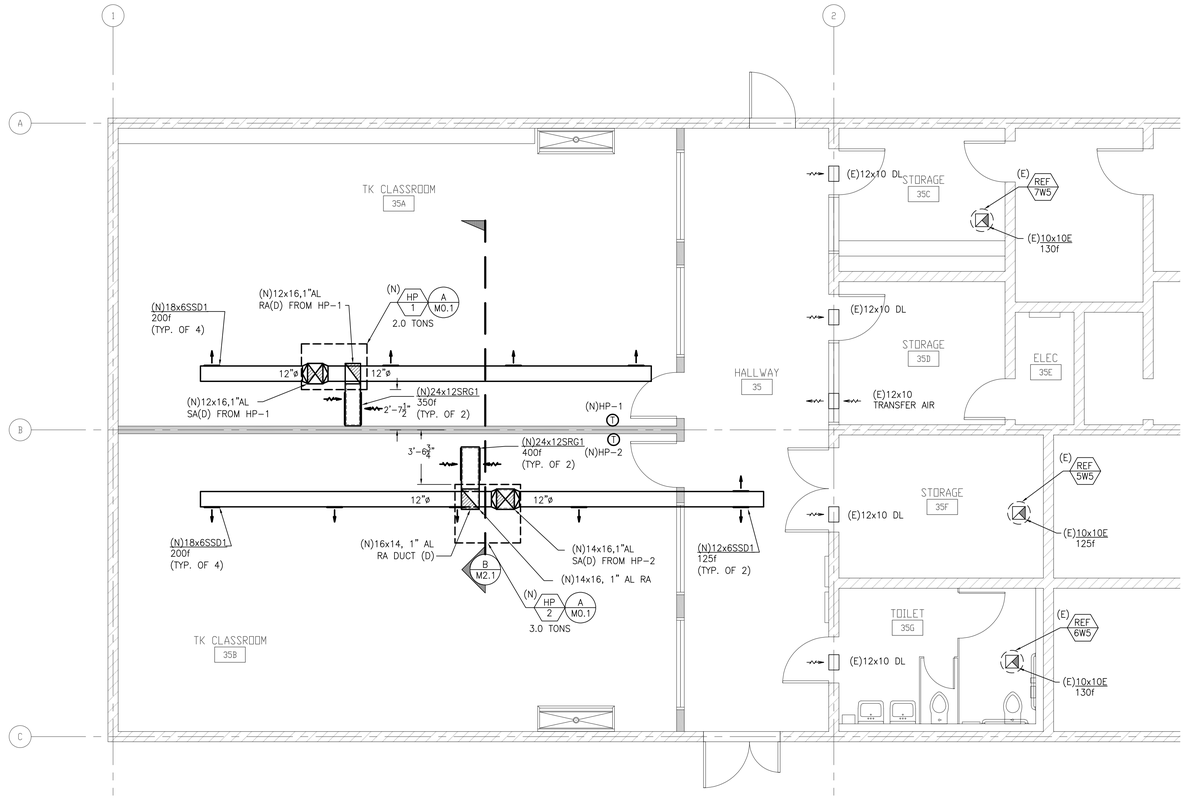
MECHANICAL DEMOLITION FLOOR PLAN

APRIL 15, 2026

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JOB NO:	26006

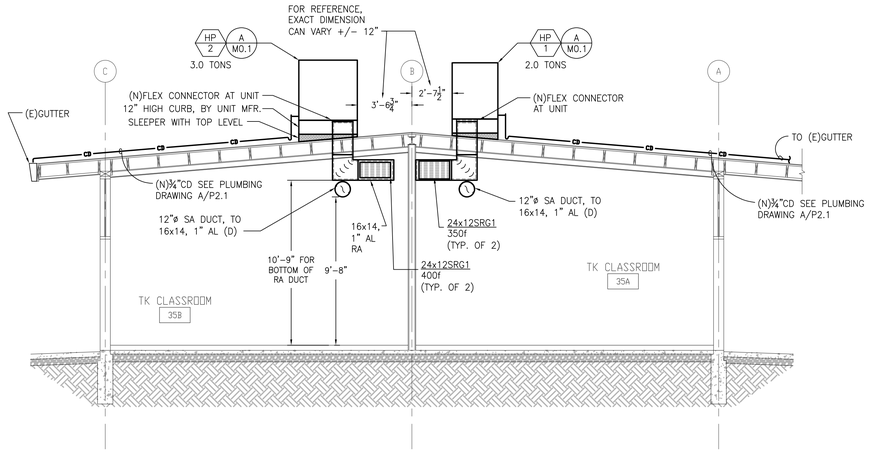
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A MECHANICAL NEW FLOOR PLAN

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



B MECHANICAL SECTION VIEW

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

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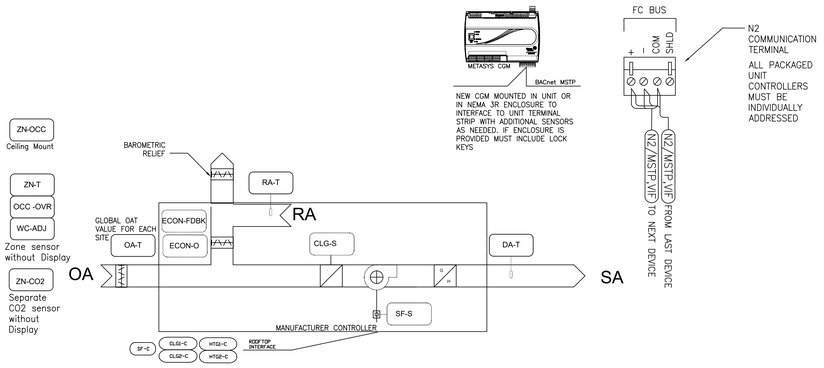
MECHANICAL NEW FLOOR PLAN

APRIL 15, 2026

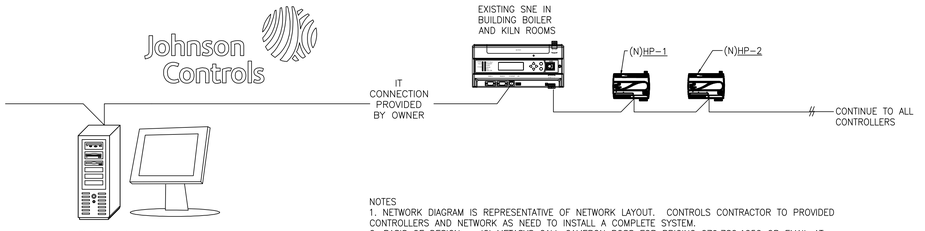
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A SYSTEM ARCHITECTURE
NO SCALE



NOTES
1. NETWORK DIAGRAM IS REPRESENTATIVE OF NETWORK LAYOUT. CONTROLS CONTRACTOR TO PROVIDED CONTROLLERS AND NETWORK AS NEED TO INSTALL A COMPLETE SYSTEM.
2. BASIS OF DESIGN – JCI METASYS CALL CAMERON ROSS FOR PRICING 279.782.1252 OR EMAIL AT CAMERON.ROSS@JCI.COM
3. CONTROLS CONTRACTOR RESPONSIBLE FOR INTEGRATING NEW CONTROLLERS INTO EXISTING SCUSD METASYS SERVER.
4. CONTROLS CONTRACTOR TO GENERATE GRAPHICS TO REPRESENT BUILDING

SUPPLY FAN CONTROL:
THE SUPPLY FAN (SF–C) WILL BE STARTED BASED ON OCCUPANCY SCHEDULE. WHEN THE SUPPLY FAN STATUS (SF–AMP) INDICATES THE FAN STARTED, THE CONTROL SEQUENCE WILL BE ENABLED. UPON A LOSS OF AIRFLOW (SF–AMP), THE SUPPLY FAN WILL ATTEMPT TO AUTOMATICALLY RESTART UNTIL POSITIVE STATUS IS RECEIVED.

SINGLE ZONE VAV CONTROL
UPON A CALL FOR COOLING – THE MANUFACTURE CONTROL BOARD SHALL STAGE THE SUPPLY FAN IN SEQUENCE WITH THE COOLING PER THE SINGLE ZONE VAV GUIDELINES IN ASHRAE 90.1

ECONOMIZER CONTROL:
THE BMS CONTRACTOR SHALL PROVIDE THE TITLE 24 FDD ECONOMIZER CONTROL WITH ASSOCIATED SENSORS AND LOGIC FOR A FUNCTIONAL SYSTEM. THIS INCLUDES GLOBAL OUTSIDE AIR TEMP (OA–T, UNIQUE TO THE SITE), RETURN AIR TEMP (RA–T), DISCHARGE AIR TEMP (DA–T) AND A DAMPER ACTUATOR/COMMAND (ECON–O) AND DAMPER ACTUATOR FEEDBACK (ECON–FDBK) FOR TYPICAL DRY BULB CONTROL. THE BMS WILL GENERATE THE FAULTS AS PER THE T24 CODE AND DISPLAY THEM AS AN ALARM AT THE OWS. THE FAULTS ARE TO BE 1. AIR TEMPERATURE SENSOR FAILURE/FAULT 2. NOT ECONOMIZING WHEN IT SHOULD 3. ECONOMIZING WHEN IT SHOULD NOT 4. DAMPERS NOT MODULATING 5. EXCESS OUTDOOR AIR. THE ECONOMIZER WILL BE ENABLED WHENEVER THE OAT IS LOWER THAN THE ECON ENABLE SET POINT.

TEMPERATURE CONTROL:
THE UNIT WILL CONTROL TO MAINTAIN THE LOCALLY ADJUSTABLE ZONE TEMPERATURE SETPOINT (ZN–SP) (WC–ADJ) AS SENSED BY THE ZONE TEMPERATURE (ZN–T) SENSOR.

OCCUPIED MODE:
THE OCCUPANCY MODE WILL BE CONTROLLED VIA A NETWORK INPUT (OCC–SCHEDULE). THE OCCUPANCY MODE CAN ALSO BE OVERRIDDEN BY A NETWORK INPUT (OCC–OVERRIDE). IT CAN ALSO BE OVERRIDDEN BY A TEMPORARY OCCUPANCY BUTTON (OCC–OVR) ON THE ZONE SENSOR WILL PLACE THE UNIT IN OCCUPIED MODE FOR AN ADJUSTABLE TIME – USER ADJUSTABLE INITIALLY SET FOR 2 HOURS. WHEN IN OCCUPIED MODE THE FAN FAN WILL RUN CONTINUOUSLY.

UNOCCUPIED MODE:
THE UNIT WILL CYCLE TO MAINTAIN UNOCCUPIED ZONE SETPOINTS (CLGUNOCC–SP & HTGUNOCC–SP) DURING UNOCCUPIED PERIODS. THE FAN WILL ONLY BE ON WHEN THERE IS A CALL FOR COOLING OR HEATING AND A COMPRESSOR OR HEATER IS ENABLED. THE FAN WILL BE OFF AT ALL OTHER TIMES. IF IN "UNOCCUPIED" MODE THE OCC SENSOR (ZN–OCC) SENSES OCCUPANCY FOR A CONTINUOUS 10 MIN – THE UNIT SHALL OPERATE IN "OCCUPIED MODE" FOR A PERIOD OF 1 HOUR.

COOLING COIL:
THE COOLING COIL (CLGX–C) WILL BE STAGED IN SEQUENCE TO MAINTAIN THE TEMPERATURE SETPOINT INITIALLY SET AT 73 AND VARIABLE AT THE ZONE FROM 73–77.

HEAT PUMP CONTROL:

WHEN THE ZONE TEMPERATURE (ZN–T) FALLS BELOW THE ZONE TEMPERATURE SETPOINT (ZN–SP) THE REVERSING VALVE (S) (REV–C) WILL BE INDEXED TO PROVIDE HEATING WHEN THE COMPRESSOR IS RUNNING. WHEN THE ZONE TEMPERATURE (ZN–T) RISES ABOVE THE ZONE TEMPERATURE SETPOINT (ZN–SP) THE REVERSING VALVE (S) (REV–C) WILL BE INDEXED TO PROVIDE COOLING WHEN THE COMPRESSOR IS RUNNING.

HEAT PUMP HEATING:
THE REHEAT COIL (HTGX–C) WILL BE STAGED IN SEQUENCE TO MAINTAIN THE TEMPERATURE SETPOINT INITIALLY SET AT 69 AND VARIABLE AT THE ZONE FROM 65–69. IF THE UNIT IS SUPPLIED WITH KW HEAT STRIPS IT WILL CONTROL THEM PER THE MANUFACTURE SOO FOR DEFROST OR SUPPLEMENTAL HEAT TO MEET HEATING REQUESTS FROM THE BMS.

UNOCCUPIED SETPOINTS:
WHEN UNOCCUPIED THE COOLING SET POINT IS 90F (FIXED VALUE WITH NO RANGE, USER ADJUSTABLE)
WHEN UNOCCUPIED THE HEATING SET POINT IS 50F (FIXED VALUE WITH NO RANGE, USER ADJUSTABLE)

OCCUPIED STANDBY MODE:
THE BMS SYSTEM SHALL MONITOR ZONE OCCUPANCY (ZN–OCC) VIA A BMS PROVIDED CEILING MOUNT OCC SENSOR. WHEN IN OCCUPIED MODE – IF THE OCC SENSORS GOES DORMANT FOR A PERIOD OF 5 MIN, THE UNIT SHALL SWITCH TO "OCCUPIED STANDBY" CONTROL AND RESET THE ZONE TEMPERATURE SETPOINTS UP AND DOWN BY 2F FOR SINGLE ZONE SYSTEMS AND 0.5F FOR VAV SYSTEMS. ADDITIONALLY, DURING OCCUPIED STANBY MODE, WHEN THE SPACE TEMPERATURE SET POINT IS SATISFIED, THE FAN WILL SHUT OFF. IF THE OCC SENSOR SENSES OCCUPANCY DURING OCCUPIED MODE – IT WILL IMMEDIATELY REVERT TO STANDARD "OCCUPIED" MODE SET POINTS AND FAN OPERATION.

DOOR STATUS MONITORING:
THE BMS WILL MONITOR THE EXTERIOR DOORS OF THE SPACES SERVED BY THE PACKAGE AC UNIT. WHENEVER A DOOR IS OPEN FOR 7.5 MIN THE BMS WILL DISABLE HEATING AND COOLING ON THE UNIT, BUT KEEP FAN OPERATION. WHENEVER THE DOOR CLOSES THE BMS WILL REVERT BACK TO NORMAL OCCUPIED OPERATION. SEE DOOR INTERLOCK SCHEDULE FOR DETAILS.

LOAD SHED PROGRAM:
THE AC UNIT WILL BE PART OF THE UTILITY LOAD SHED PROGRAM. WHENEVER THE UTILITY COMPANY SENDS THE NETWORK LEVEL COMMAND TO SHED LOAD, THE BMS WILL RESET THE ZONE COOLING SET POINT UP BY 2F WHILE MAINTAINING THE SAME RANGE FOR WARM COOL ADJUST (IE – FROM 75–79F). THIS LOAD SHED EVENT WILL CONTINUE UNTIL THE UTILITY RELEASES THE LOAD SHED EVENT COMMAND. WHEN THE UTILITY RELEASES THE LOAD SHED EVENT, THE BMS WILL REVERT TO NORMAL SET POINTS 5 UNITS AT A TIME PER SITE EVERY 3 MIN UNTIL 100% OF THE UNITS ARE BACK AT THE NORMAL SET POINT.

CO2 MONITORING
THE BMS WILL MONITOR A ZONE CO2 SENSOR (ZN–CO2) AND PROVIDE AN ALARM AT THE OWS WHEN THE ZONE CO2 VALUE EXCEEDS 1,100 PPM.

VIRUS MODE:
VIA THE USER INTERFACE, THE BMS WILL BE ABLE TO SEND A GLOBAL COMMAND TO ALL CONTROLLED ECONOMIZER DAMPER ACTUATORS AND SUPPLY FANS. IN THIS MODE THE ECONOMIZER ACTUATOR IS TO STROKE 100% OPEN TO INTRODUCE THE MAXIMUM AMOUNT OF OSA. THE SUPPLY FAN WILL BE COMMANDED ON 24/7 REGLARDLESS OF OCCUPANCY SCHEDULE. TEMPERATURE CONTROL WILL REMAIN PER THE OCCUPIED/UNOCCUPIED SETPOINTS ABOVE AND EXISTING SCHEDULE. THE VIRUS MODE WILL TAKE SECONDARY PRIORITY TO SMOKE MODE.

SMOKE MODE:
VIA THE USER INTERFACE, THE BMS WILL BE ABLE TO SEND A GLOBAL COMMAND TO ALL CONTROLLED ECONOMIZER DAMPER ACTUATORS TO STROKE 100% CLOSED AND REMOVE OSA. ADDITIONALLY – THIS COMMAND WILL CHANGE THE SUPPLY FAN CONTROL FROM CONTINUOUS DURING OCCUPIED TO CYCLED WITH A CALL FOR COOLING. THE OCCUPIED COOLING TEMPERATURE SETPOINT WILL CHANGED TO A FIXED VALUE AT 74F, THE UNOCCUPIED SETPOINT WILL REMAIN THE SAME AT 90F. HEATING SETPOINTS REMAIN UNCHANGED. THIS SOO WILL REMAIN ACTIVE AS LONG AS THE GLOBAL COMMAND IS ACTIVE AND WILL TAKE PRIORITY OVER VIRUS MODE.

HEATING/COOLING MANUAL PID LOOP CONTROL:
JCI WILL DISABLE AUTOMATIC PID LOOP TUNING AND STAGE COOLING/HEATING PER THE FOLLOWING LOGIC. WHEN THE PID LOOP REACHES A 5% COOLING OR HEATING DEMAND THEN STAGE ONE OF COOLING OR HEATING WILL BE ENABLED. WHEN THE PID LOOP REACHES A 95% DEMAND THEN STAGE TWO WILL BE ENABLED. WHEN THE PID LOOP DROPS BELOW 95% THE SECOND STAGE WILL BE DISABLED AND WHEN IT DROPS BELOW 5% THE FIRST STAGE WILL BE DISABLED. THE MANUFACTURES UNIT CONTROLLER WILL ENSURE MINIMUM RUN TIMES ARE MET FOR HEATING AND COOLING.

OPTIMIZED START/STOP:
JCI WILL LEVERAGE THE JCI STANDARD OPTIMIZED START/STOP LOGIC BLOCK TO PROVIDE MICRO–ADJUSTMENTS TO THE UNIT ENABLE COMMAND IN THE MORNING AND DISABLE IN THE EVENING. LEVERAGING GLOBAL OUTSIDE AIR TEMP, ZONE TEMP, ZONE SET POINT AND SCHEDULE THE BMS WILL ENABLE/DISABLE UNIT AT DIFFERENT TIMES EACH DAY TO HIT THE SETPOINTS WHEN THE SCHEDULE SWITCHES FROM OCCUPIED TO UNOCCUPIED OR VISA VERSA.

ALARMS
THE BMS SYSTEM SHALL GENERATE AN ALARM IF:
–THE ZONE TEMPERATURE IS 6 DEGREES AWAY FROM SET POINT.
–THE FAN COMMAND DOES NOT MATCH ITS STATUS
–THE COOLING COMMAND DOES NOT MATCH ITS STATUS

THE BMS WILL DISABLE ALL ALARMS DURING UNOCCUPIED MODE.

ADDITIONAL POINTS MONITORED BY THE FMS:
SUPPLY FAN AMPERAGE (SF–AMP)
DISCHARGE AIR TEMPERATURE (DA–T)
COMPRESSOR AMPERAGE (CLG–AMP)
RETURN AIR TEMPERATURE SENSOR (RA–T)
ZONE CO2 – (ZN–CO2)
ECONOMIZER POSITION FEEDBACK (ECON–FDBK)

B HP–1 & HP–2
NO SCALE

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TK CLASSROOM ALTERATION

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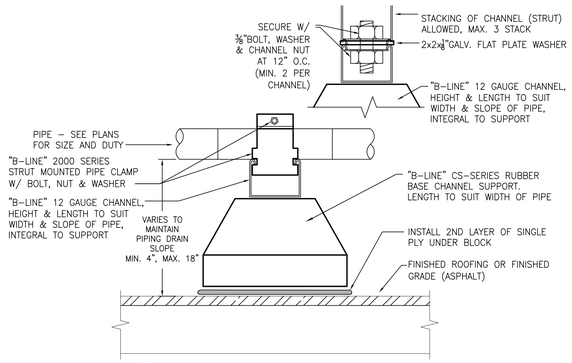
MECHANICAL SYSTEM CONTROLS DIAGRAM

APRIL 15, 2026

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CHECKED BY:	KD
JOB NO:	26006

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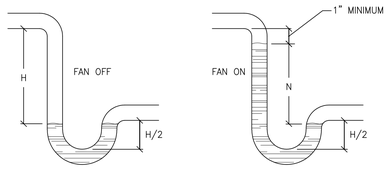
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NOTE :
1. APPLICABLE FOR CONDENSATE PIPING TO AC UNITS. ALL CONDENSATE PIPE SHALL BE GALVANIZED STEEL PIPE FOR OUTDOORS AND TYPE "M" FOR INDOORS PER SACRAMENTO CITY UNIFIED STANDARDS

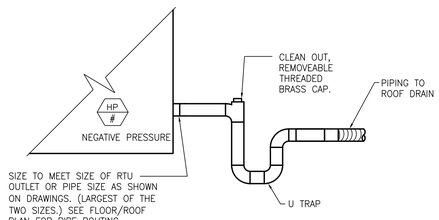
A PIPE SUPPORT DETAIL

NO SCALE



NEGATIVE PRESSURE TRAP – DRAW THRU CONFIGURATION
N= NEGATIVE FAN PRESSURE (" W.C.)
H= N+ (1" MINIMUM)

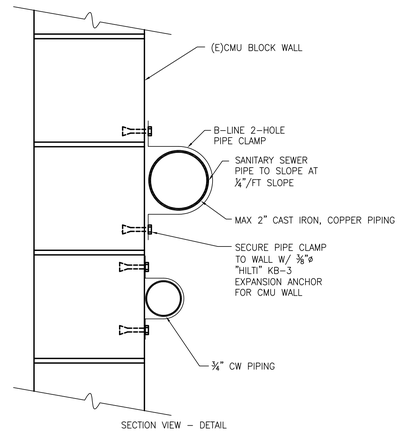
P=TSP
N=TSP



NOTE :
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B CONDENSATE DRAIN P–TRAP AT ROOFTOP UNIT

NO SCALE



C PIPE SUPPORT AT WALL DETAIL

NO SCALE

PIPING MATERIAL SCHEDULE

1. SOIL, STORM, WASTE AND VENT PIPE UNDERGROUND AND TO 6" ABOVE GROUND: SERVICE WEIGHT CAST IRON SOIL PIPE AND FITTINGS, ASPHALTIC COATED, CONFORMING TO CAST IRON SOIL PIPE INSTITUTE STANDARD #301 ASTM A–888 OR ASTM A–74 AND SO STAMPED. JOINTS SHALL BE NO–HUB CONFORMING TO CAST IRON SOIL PIPE INSTITUTE STANDARD #310; TY–SEAL OR EQUAL WITH GASKETS CONFORMING TO ASTM C 564 AND ASTM A74. SUSPENDED PIPE WITH NO–HUB JOINTS SHALL HAVE A SWAYBRACE AT 20'–0" MAXIMUM SPACING.

2. WASTE AND VENT PIPE ABOVE GROUND FROM LAVATORIES OR SINKS, RAINWATER LEADERS AND OVERFLOWS ABOVE THE FLOOR: CAST IRON SOIL PIPE AND FITTINGS WITH NO HUB JOINTS CONFORMING TO THE REQUIREMENTS OF CISPI STANDARD 301, ASTM A–888 OR ASTM A–74 FOR ALL PIPE AND FITTINGS. JOINTS SHALL CONFORM TO CISPI 310 AND SHALL BE HUBLESS COUPLINGS COMPOSED OF STAINLESS STEEL SHIELD, CLAMP ASSEMBLY AND ELASTOMERIC SEALING SLEEVE. DWV DRAINAGE TUBING AND FITTINGS ARE ACCEPTABLE WHEN APPROVED.

3. WATER PIPE (HOT AND COLD WATER): TYPE L COPPER TUBING, HARD TEMPER, WITH WROUGHT COPPER FITTINGS. CAPPED OR PLUGGED OUTLETS SHALL BE SCHEDULE 40 SCREWED BRASS. PROVIDE FULL SOLDER CUP FITTINGS.

INSULATION

1. ALL PIPING INSULATION SHALL MEET A MAXIMUM FLAME SPREAD INDEX OF 25 AND A MAXIMUM SMOKE DEVELOPED RATING OF 50.

2. DOMESTIC HOT WATER SUPPLY AND RETURN PIPING SHALL BE INSULATED PER CEC TABLE 120.3–A.

PIPE SIZE	THICKNESS
<1"	1" THICK R7.7
1" TO <1.5"	1.5" THICK R12.5
1.5" TO <4"	1.5" THICK R11

NOTE: CONDUCTIVITY RANGE FOR INSULATION IS .22–.28. INSULATION IS BASED ON WATER TEMPERATURE OF 125° MAX.

3. HYDRONIC SYSTEM FOR HEATING AND COOLING IS NOT PART OF PLUMBING SCOPE OF WORK. REFER TO MECHANICAL DRAWINGS FOR INSULATION.

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE NAME	SYMBOL	VENT	WASTE		COLD WATER		HOT WATER	
			BR	RI	BR	RI	BR	RI
SINK	S	1½"	2"	1½"	¾"	½"	¾"	½"

PLUMBING FIXTURE SCHEDULE

S–1 KINDER SINK:
"JUST" MODEL J–6020S–J, 57"x16½"x8", 14 GA., TYPE 304 STAILESS STEEL, WALL HUNG, THREE STATION, CW ONLY, THREE MANUAL FAUCETS AT 0.5 GPM EACH, FULL LENGTH BACKSPLASH, THREE CENTERED SINGLE FAUCET HOLE PUNCH, 3½" CENTER DRAIN, "JUST" J–35–SSF FLAT GRID DRAIN WITH OFFSET AND P–TRAP. "T&S" 5F–1WLB05C GOOSENECK SWIVEL FAUCET WITH LEVER HANDLE FOR COLD WATER. PROVIDE THREE COLD WATER CONNECTIONS WITH THREE SEPARATE ANGLE STOPS, (ONE FOR EACH FAUCET). ADA COMPLIANT, FOR MOUNTING HEIGHT REFER TO ARCHITECTURAL DRAWINGS.

DSA EQUIP. ANCHOR. & BRACING NOTES

M/E/P COMPONENT ANCHORAGE NOTES:

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA–APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7–16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.

3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRAVERSE AND LONGITUDINAL DIRECTIONS.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY THE DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK AND ELECTRICAL CONDUIT:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2022 CBC SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING THE BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16–13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

☐ MP ☐ MD ☒ PP ☐ E – OPTION 1: PROJECT SPECIFIC DESIGN

☐ MP ☐ MD ☐ PP ☐ E – OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL

☐ MP ☐ MD ☐ PP ☐ E – OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

PLUMBING LEGEND

CW	COLD WATER LINE
CD	CONDENSATE DRAIN
F	FIRE SERVICE LINE
G	GAS
HW	HOT WATER LINE
HWR	HOT WATER RETURN
LPG	LIQUID PETROLEUM GAS
OFL	OVERFLOW
X X X X X	PIPING OR EQUIPMENT TO BE REMOVED
RWL	RAINWATER LEADER
	RISE OR DROP IN DIRECTION OF FLOW
	SANITARY SOIL OR WASTE LINE
SCD	SECONDARY CONDENSATE DRAIN LINE
TP	TRAP PRIMER LINE
	VENT
	CLEANOUT & WALL CLEANOUT
	FIRE DEPARTMENT CONNECTION
	FLOOR/ GRADE CLEAN OUT
	FLOOR DRAIN
	HOSE BIBB/ WALL HYDRANT
	TRAP
	TRAP PRIMER
	BALANCING VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	FLEXIBLE CONNECTION
	GATE VALVE
	SHUT OFF COCK
	PRESSURE GAUGE
	PRESSURE REDUCING VALVE
	REDUCER
	PRESSURE & TEMPERATURE RELIEF VALVE
	SHUT OFF VALVE
	STRAINER
	STRAINER & DRAIN VALVE WITH HOSE FITTING
	SOLENOID VALVE
	THERMOMETER
	UNION

ABV	ABOVE
ABC, OH	ABOVE CEILING, OVERHEAD
AD	ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
BR	BRANCH
CL	CENTERLINE
CO	CLEANOUT
CW	COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
DIA, ø	DIAMETER
FC	FLEXIBLE CONNECTION
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FSR	FIRE SPRINKLER RISER
GCO	GRADE CLEANOUT
HW	HOT WATER
HWR	HOT WATER RETURN
I.E.	INVERT ELEVATION
(N) (E)	NEW, EXISTING
NIC	NOT IN CONTRACT
POC	POINT OF CONNECTION
P, TRV	PRESSURE & TEMPERATURE RELIEF VALVE
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
(R) (D)	RISE, DROP
RD, OFL	ROOF DRAIN, OVERFLOW
RI	ROUGH–IN
RO	RUN–OUT
SMS	SHEET METAL SCREWS
SOV	SHUT OFF VALVE
TA, FA	TO ABOVE, FROM ABOVE
TB, FB	TO BELOW, FROM BELOW
TBR	TO BE REMOVED
TP	TRAP PRIMER
UG, UF	UNDERGROUND, UNDERFLOOR
UON	UNLESS OTHERWISE NOTED
UTR	UP THROUGH ROOF
V, VR, VTR	VENT, VENT RISER, VENT THRU ROOF
WT	WATERTIGHT
WCO	WALL CLEANOUT
ZV	ZONE VALVE

APPLICABLE CODES

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

A) STATE OF CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24,

2025 EDITION OF THE CALIFORNIA BUILDING CODE.
2025 EDITION OF THE CALIFORNIA ELECTRICAL CODE.
2025 EDITION OF THE CALIFORNIA FIRE CODE.
2025 EDITION OF THE CALIFORNIA MECHANICAL CODE.
2025 EDITION OF THE CALIFORNIA PLUMBING CODE.
2025 EDITION OF THE CALIFORNIA ENERGY CODE.

B) NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) LIFE SAFETY CODE

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Project Manager:	NS	Plot Date:	Apr 15, 2026 - 9:58am
Project Drafter:	LC	Login:	NShah

TK CLASSROOM ALTERATION

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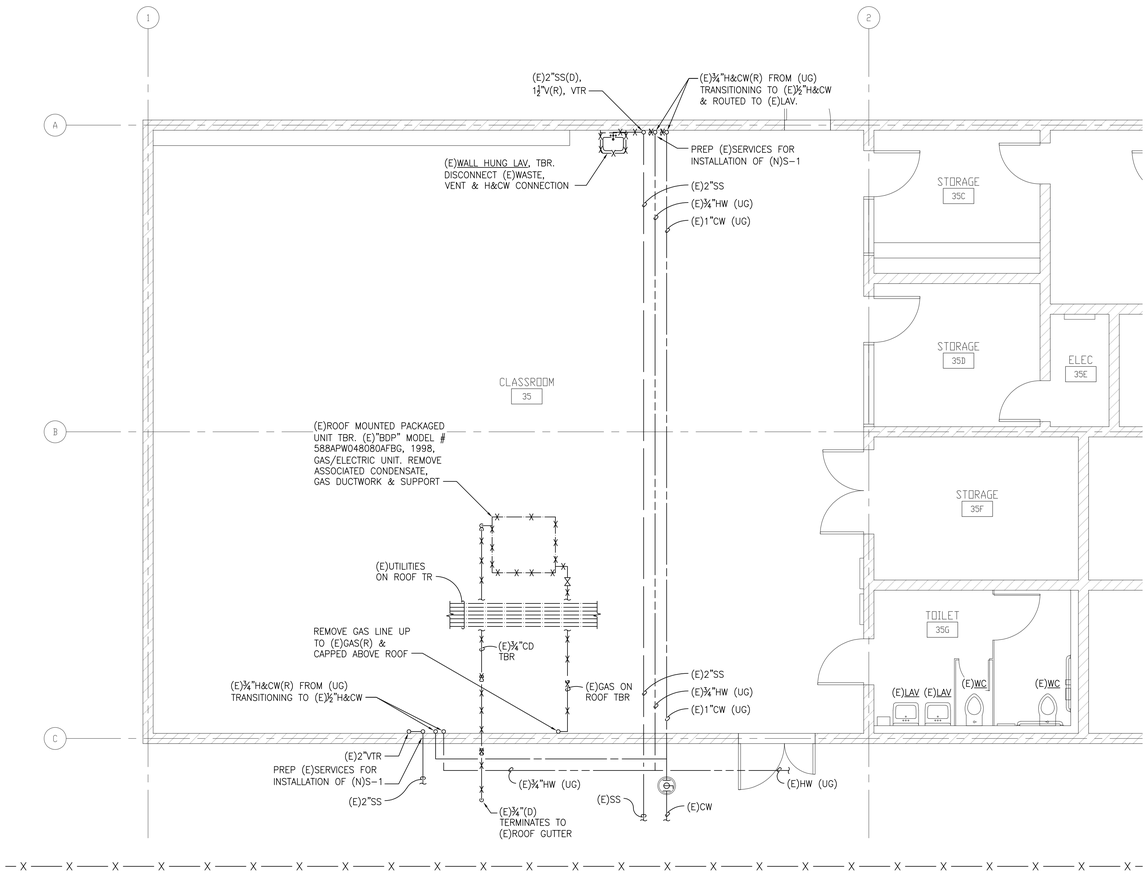
PLUMBING LEGEND, SCHEDULES AND NOTES

APRIL 15, 2026

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A PLUMBING DEMOLITON FLOOR PLAN

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

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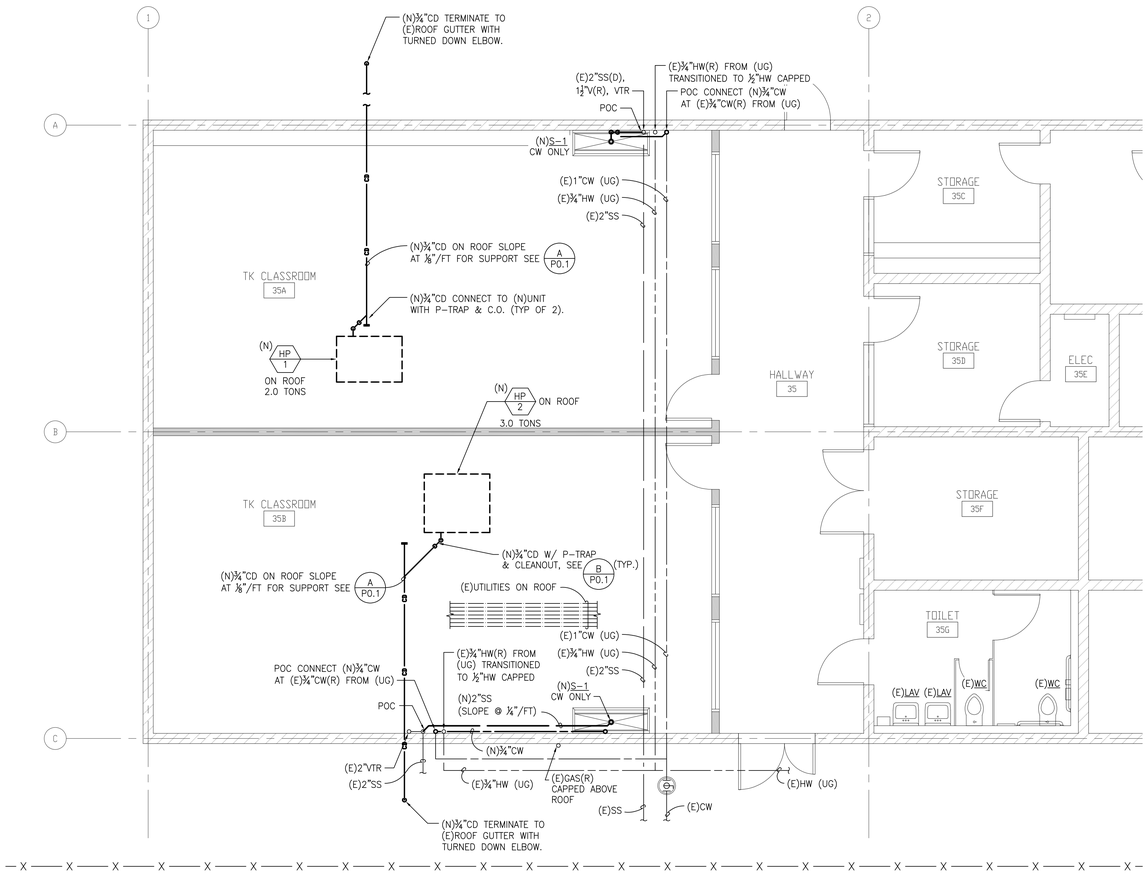
PLUMBING DEMOLITION FLOOR PLAN

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A PLUMBING NEW FLOOR PLAN

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

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TK CLASSROOM ALTERATION

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PLUMBING NEW FLOOR PLAN

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H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)4O

01	02	03	04	05	06	07	08	09	10	11
Fan System Name	Qty	Hours of Operation per Year	Design Supply Airflow Rate	Outdoor Airflow	% Outdoor Air at Full Design Airflow	Exemptions to Exhaust Air Heat Recovery Requirement per §140.4(q) & §170.2(c)4O	Exhaust Air Heat Recovery §140.4(q) & §170.2(c)4O	Type Of Heat Recovery Rating	Required Recovery Ratio	Energy Recovery Bypass
HP-1	1	< 8,000	815	270	33	No Exemptions Apply	Not Required			
HP-2	1	< 8,000	1,050	330	31	No Exemptions Apply	Not Required			

Fan Energy Index (FEI)

01	02	03
Name or Item Tag	FEI Exception	FEI
HP-1	Embedded Fan <5HP or <4.1kW	
HP-2	Embedded Fan <5HP or <4.1kW	

I. SYSTEM CONTROLS

This table is used to demonstrate compliance with mandatory controls in §110.2 and §120.2 and prescriptive controls in §140.4(f) and (n), §170.2(c)4D §170.2(c)4L or requirements in §141.0(b)2E §180.2(b)2 for altered space conditioning systems.

01	02	03	04	05	06	07	08	09	10	11
System Name	System Zoning	Conditioned Floor Area Being Served (ft²)	Thermostats §110.2(b) & (c)[1], §120.2(a) §160.3(a)2A or §160.3(b)8 or §141.0(b)2E & §180.2(b)2	Shut-Off Controls §120.2(e) & §160.3(a) 2D	Isolation Zone Controls §120.2(g) & §160.3(a) 2F	Demand Response §110.12 §120.2(b) & §160.3(a)2B	Supply Air Temp. Reset §140.4(f) & §170.2(c) 4D	Window Interlocks per §140.4(n) & §170.2(c)4D	Direct Digital Control (DDC) per §120.2	Heat Pump Defrost per §160.3(b)7
HP-1, HP-2	Single zone	<= 25,000 ft²	EMCS	4 Hour Timer	NA: Single Zone	DR Tstat per §110.12	NA: Single Zone	NA: Alteration Project	NA: Single Zone	NA: Altered Equipment

I. SYSTEM CONTROLS

[1]*FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.*

J. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in §120.1 § 120.2(e)3B § 140.4(p) and § 140.4(a) for all nonresidential and hotel/motel and d12refrofolnk/1160.2, §160.3(a)3D, §170.2(q)4N, 170.2(a)4O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet.

01	☐	Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.
02	☒	Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces
	☐	
03	☐	Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per §120.1(c)2.

Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems

04		05			06			07
System Name	HP-1	System Design OA CFM Airflow[1]		270	System Design Transfer Air CFM		0	Air Filtration per §120.1(c) §141.0(b)2 and §160.2(c)21 [2]
								Provided

08	09	10	11	12	13	14	15	16
Space Name or Item Tag	Mechanical Ventilation Required per §120.1(c)[3] & §160.2(c)3				Exh. Vent per §120.1(c)4 & §160.2(c)4			DCV or Sensor Controls per §120.1(d)3, §120.1(d)5, and §120.1(e)[6] §160.2(c)5D §160.2(c)5E §160.2(c)5D
	Occupancy Type[4]	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people [5]	Required Min OA CFM	Required Min CFM	Provided per Design CFM	
35A TK CLASSROOM	Classroom (ages 5-18)	708		17	265.5			DCV: Provided per §120.1(d)4
								Occ Sensor: NA: Alteration
17	Total System Required Min OA CFM				265.5	18	Ventilation for this System Complies?	Yes

J. VENTILATION AND INDOOR AIR QUALITY

04		05			06			07
System Name	HP-2	System Design OA CFM Airflow[1]		390	System Design Transfer Air CFM		0	Air Filtration per §120.1(c) §141.0(b)2 and §160.2(c)21 [2]
								Provided

08	09	10	11	12	13	14	15	16
Space Name or Item Tag	Mechanical Ventilation Required per §120.1(c)[3] & §160.2(c)3				Exh. Vent per §120.1(c)4 & §160.2(c)4			DCV or Sensor Controls per §120.1(d)3, §120.1(d)5, and §120.1(e)[6] §160.2(c)5D §160.2(c)5E §160.2(c)5D
	Occupancy Type[4]	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people [5]	Required Min OA CFM	Required Min CFM	Provided per Design CFM	
35 HALLWAY	Corridor	371		1	55.65			DCV: NA: Not required per §120.1(d)3
								Occ Sensor: NA: Alteration
35B TK CLASSROOM	Classroom (ages 5-18)	708		17	265.5			DCV: Provided per §120.1(d)4
								Occ Sensor: NA: Alteration
17	Total System Required Min OA CFM				321.15	18	Ventilation for this System Complies?	Yes

[1] *FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system*

[2] *Air filtration requirements apply to the following three system types per §120.1(c)1A: space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.*

[3] *Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.*

[4] *See Standards Tables 120.1-A and 120.1-B.*

[5] *For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.*

[6] *§120.2(e)3 requires systems serving rooms that are required by §130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices 250ft² or smaller, multipurpose rooms less than 1,000 ft², classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by §130.1(c).*

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Mechanical Heat Recovery§140.4(s)

01	02	03	04	05	06	07
Name or Item Tag	Coincident Peak Cooling Load of All High Load Spaces (kBtu/h)	Design Capacity of All Mechanical Cooling Systems[2] (kBtu/h)	Design Capacity of All Service Water Heating Systems[1] (kBtu/h)	Design Capacity for all space heating systems (kBtu/h)	Simultaneous Mechanical Heat Recovery	

[1] *FOOTNOTES: Excluding systems expected to operate less than 5 hours per week.*

[2] *FOOTNOTES: If the design includes capacity for future cooling systems, then assume 20% of future systems serve high load spaces.*

G. PUMPS

This section does not apply to this project.

H. FAN SYSTEMS & AIR ECONOMIZERS

This table is used to demonstrate compliance with prescriptive requirements found in §140.4(c), §140.4(e), §140.4(m), §170.2(c)3, and §170.2(c)4A for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H.

System Name	HP-1	Quantity	1	Fan System Status	Alteration	System Zoning	all other systems	Serving Dwelling Units?	Not Serving Dwelling Units	Fan System Airflow (cfm)	815	Site Elevation	20	Economizer	Fixed Temperature
01	02	03	04			05		06	07	08	09			10	11
									Allowance		Design				
Fan Name or Item Tag	Fan Type	Qty	Component			Airflow through Component (%)		Water Gauge (w.g)	Component Allowance (watt/cfm)	Fan Allowance (watt/cfm)[3]	Design Electrical Input Power Method			Motor Nameplate Horsepower	Fan Electrical Input Power (kW)
HP-1	Supply	1	Hydronic/DX cooling coil or heat pump coil			100			0.139	0.185	Default per Table 140.4-D/141.0-D			<1	0.96
			Electric heat			100			0.046						
Supply Fan Base Allowance (watt/cfm)			Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)						Fan System Allowance (kW)[3]					Fan System Electrical Input Power (kW)	0.96

H. FAN SYSTEMS & AIR ECONOMIZERS

System Name	HP-2	Quantity	1	Fan System Status	Alteration	System Zoning	all other systems	Serving Dwelling Units?	Not Serving Dwelling Units	Fan System Airflow (cfm)	1,000	Site Elevation	20	Economizer	Fixed Temperature
01	02	03	04			05		06	07	08	09			10	11
									Allowance		Design				
Fan Name or Item Tag	Fan Type	Qty	Component			Airflow through Component (%)		Water Gauge (w.g)	Component Allowance (watt/cfm)	Fan Allowance (watt/cfm)[3]	Design Electrical Input Power Method			Motor Nameplate Horsepower	Fan Electrical Input Power (kW)
HP-2	Supply	1	Electric heat			100			0.046						
			Hydronic/DX cooling coil or heat pump coil			100			0.139	0.185	Default per Table 140.4-D/141.0-D			<1	0.96
Supply Fan Base Allowance (watt/cfm)			Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)						Fan System Allowance (kW)[3]					Fan System Electrical Input Power (kW)	0.96

[1] *FOOTNOTES: Fans serving spaces with design background noise goals below NC35*

[2] *Low-turndown single-zone VAV fan system must be capable of and configured to reduce airflow to 50 percent of design airflow and use no more than 30 percent of the design wattage at that airflow. No more than 10 percent of the design load served by the equipment shall have fixed loads.*

[3] *Fan system allowance includes fan system base allowance.*

[4] *Filter pressure loss can only be counted once per fan system.*

[5] *Complex Fan System means a fan system that combines a single cabinet fan system with other supply fans, exhaust fans, or both.*

[6] *Computer room economizers must meet requirements of §140.9(a) and will be documented on the NRCC-PRC-E document..*

[7] *Indoor fans meeting the requirements of 140.4(a)3D shall turn off when there is no demand for heating or cooling in the space. At 66% air flow the power draw shall be no more than 51% of the fan power at full fan speed and at 33% airflow the power draw shall be no more than 12% of the fan power at full fan speed.*

A. GENERAL INFORMATION

01 Project Location (city)	Sacramento	04 Total Conditioned Floor Area	2241
02 Climate Zone	12	05 Total Unconditioned Floor Area	0
03 Occupancy Types Within Project:		06 # of Stories (Habitable Above Grade)	1
• School or Classroom			

B. PROJECT SCOPE

This table Includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.4, §170.2(b) or §141.0(b)2 and §180.2(b)2 for alterations.

01	02	03
Air System(s)	Wet System Components	Dry System Components
☒ Heating Air System	☐ Water Economizer	☒ Air Economizer
☒ Cooling Air System	☐ Pumps	☐ Electric Resistance Heat
☒ Ventilation (including DOAS, ERV, HRV systems)	☐ System Piping	☒ Fan Systems
Mechanical Controls	☐ Cooling Towers	☒ Ductwork (existing to remain, altered or new)
	☐ Chillers	
☒ Mechanical Controls (existing to remain, altered or new)	☐ Boilers	☐ Zonal Systems/ Terminal Boxes

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.

01		02		03		04		05		06		07		08	09
System Summary §110.1, §110.2, §140.4, §170.2(c), §141.0(b), §180.2(b2)	AND	Pumps §140.4(k), §170.2(c)4I	AND	Fans/Economizers §140.4(c), §140.4(e), §140.4(p), §170.2(c)	AND	System Controls § 110.2, §120.2, §140.4(f), §140.4(r), §170.2(c)	AND	Ventilation §120.1, §160.2	AND	Terminal Box Controls §140.4(d), §170.2(c)4B	AND	Distribution §120.3, §140.4(l), §160.2, §160.3, §141.0(b)2D, §180.2(b)2Bi i	AND	Cooling Towers §110.2(e)2	Compliance Results
(See Table F)		(See Table G)		(See Table H)		(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)	
Yes	AND		AND	Yes	AND	Yes	AND	Yes	AND		AND	Yes	AND		COMPLIES
Mandatory Measures Compliance (See Table Q for Details)										COMPLIES					

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Space Conditioning System Information

01	02	03	04	05	06
System Name	Quantity	System Serving	System Status	Space Type	Utilizing Recovered Heat
HP-1	1	Single zone	Alteration	School or Classroom	☐
HP-2	1	Single zone	Alteration	School or Classroom	☐

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)

01	02	03	04	05	06	07	08	09	10	11
Name or Item Tag	Equipment Category per Tables 110.2, §140.4(a)2 and 170.2(c)3aii	Equipment Type per Tables 110.2 and Title 20	Smallest Size Available [1] §140.4(a) and §170.2(c)1	Equipment Sizing per Mechanical Schedule (kBtu/h) §140.4(a&b), §170.2(c)1 & §170.2(c)2						
				Heating Output [2,3]			Cooling Output [2,3]	Load Calculations [3,4]		
				Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated (kBtu/h)	Total Heating Load (kBtu/h)	Total Sensible Cooling Load (kBtu/h)
HP-1	Unitary Heat Pumps	Air-cooled, pkg (1phase)	Yes	23.4	22	12.2	16.2	23.8	27.2	20
HP-2	Unitary Heat Pumps	Air-cooled, pkg (1phase)	Yes	35.1	34	12.2	21.8	35.4	40.4	21.8

[1]*FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per §140.4(a) and §170.2(c)1. Healthcare facilities are excepted.*

[2] *It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.*

[3] *If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.*

[4] *Authority Having Jurisdiction may ask for load calculations used for compliance per §140.4(b) and §170.2(c).*

Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP), DX-DOAS and Dual Fuel Heat Pumps)

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Size Category (Btu/h)	Heating Mode				Cooling Mode			
		Rating Condition (°F)	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency	Refrigerant Loop Heat Recovery	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency
HP-1	<65,000		HSPF2	Federal Minimum	6.7		SEER2	FederalMinimum	13.4
HP-2	<65,000		HSPF2	Federal Minimum	6.7		SEER2	FederalMinimum	13.4

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LICENSED ARCHITECT — No. 24706 — REN: 12/31/25 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — NIKHAV J. SHAH — No. M 40357 — EXP 6/30/27 — MECHANICAL — STATE OF CALIFORNIA

TURLEY & ASSOCIATES | MECHANICAL ENGINEERING GROUP, INC.
1760 Creekside Oaks Drive, Suite 120, Sacramento, CA 95833
(916) 325-1001
FAX: (916) 325-1015
Email: office@turleytech.com

Project Engineer:	NS	Job Number:	26114
Project Manager:	NS	Plot Date:	Apr 15, 2026 - 8:08am
Project Drafter:	LC	Login:	NShah

TK CLASSROOM ALTERATION

LEONARDO DA VINCI K-8 SCHOOL

4701 JOAQUIN WAY
SACRAMENTO CA 95822

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	DESCRIPTION	DATE

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TITLE 24 REPORTS

APRIL 15, 2026

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CHECKED BY:	KD
JOB NO.	26006

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K. TERMINAL BOX CONTROLS

This section does not apply to this project.

L. DISTRIBUTION (DUCTWORK and PIPING)

This table is used to show compliance with mandatory pipe insulation requirements found in §120.3 and mandatory requirements found in §120.4(g) for duct sealing.

01	☐	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service. Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space shall have a Class I or Class II vapor retarder. All penetrations and joints of which shall be sealed.

This section does not apply to this project.

M. COOLING TOWERS

This section does not apply to this project.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4

Form/Title
NRCI-MCH-E - Must be submitted for all buildings

STATE OF CALIFORNIA
Mechanical Systems CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-MCH-E
Project Name: 26114 - Leonardo Da Vinci K-8 School	**Report Page:**	**(Page 11 of 12)**
	Date Prepared:	2026-03-31T18:51:17-04:00

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4

Form/Title	Systems/Spaces To Be Field Verified
NRCA-MCH-02-A - Outdoor Air	HP-1; HP-2
NRCA-MCH-05-A - Air Economizer, DOAS, HRV, & ERV Controls	HP-1; HP-2
NRCA-MCH-06-A Demand Control Ventilation Systems	35A TK CLASSROOM; 35B TK CLASSROOM
NRCA-MCH-11-A Automatic Demand Shed Controls	HP-1, HP-2
NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance	HP-1; HP-2
NRCA-MCH-18-A Energy Management Control Systems	HP-1, HP-2

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no NRCV forms required for this project.

Q. MANDATORY MEASURES DOCUMENTATION LOCATION

This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.

01		02
Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block	Yes	Plan sheet or construction document location: M Sheets

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance
Generated Date/Time:
Report Version: 2025.0.000
Schema Version: rev 20250101
Documentation Software: Energy Code Ace
Compliance ID: ECA-392583-0326-0007
Report Generated: 2026-03-31 15:51:26

STATE OF CALIFORNIA
Mechanical Systems CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-MCH-E
Project Name: 26114 - Leonardo Da Vinci K-8 School	**Report Page:**	**(Page 12 of 12)**
Project Address:	**Date Prepared:**	2026-03-31T18:51:17-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Austin Hoang	Documentation Author Signature: Austin
Company: Turley & Associates	Signature Date: 2026-03-31
Address: 1760 Creekside Oaks Drive, Suite 120	CEA/AEA/ECC Certification Identification (if applicable):
City/State/Zip: Sacramento CA 95833	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Nirav Shah	Responsible Person Signature:
Responsible Person Scope: Mechanical Designer	
Company: Turley & Associates	Date Signed: 2026-03-31
Address: 1760 Creekside Oaks Drive, Suite 120	License: M40357
City/State/Zip: Sacramento CA 95833	Phone:

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance
Generated Date/Time:
Report Version: 2025.0.000
Schema Version: rev 20250101
Documentation Software: Energy Code Ace
Compliance ID: ECA-392583-0326-0007
Report Generated: 2026-03-31 15:51:26

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Project Engineer:	NS	Job Number:	26114
Project Manager:	NS	Plot Date:	Apr 15, 2026 - 9:59am
Project Drafter:	LC	Login:	NShah

TK CLASSROOM ALTERATION

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4701 JOAQUIN WAY
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TITLE 24 REPORTS

APRIL 15, 2026

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CHECKED BY:	KD
JOB NO.	26006

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4/15/2026 9:59 AM AHOANG
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GENERAL NOTES

1. FOR ALL UNDERGROUND CONDUITS, USE CAUTION WHEN TRENCHING NOT TO DAMAGE EXISTING CONDUIT, PULL BOXES, TREES, ETC. CUT & PATCH (E) CONCRETE, ASPHALT, LAWN, ETC. TO MATCH (E) CONDITIONS. IF ANY DAMAGE OCCURES TO EXISTING CONDUITS, IRRIGATION LINES, SEWER, ETC. THE CONTRACTOR SHALL REPAIR THE DAMAGE AT THEIR OWN EXPENSE TO LIKE NEW CONDITIONS.
2. ALL NEW LOW VOLTAGE DEVICES ARE BEING CONNECTED TO EXISTING LOW VOLTAGE SYSTEMS. COORDINATE WITH SCHOOL DISTRICT FOR DEVICE MANUFACTURER AND MATCH (E) CAMPUS DEVICES. NEW AND (E) FIRE ALARM DEVICES ARE SHOWN ON EQUIPMENT SCHEDULE AND SHALL BE CONNECTED TO (E) FIRE ALARM PANEL. PROVIDE ALL REQUIRED CONNECTIONS, REPROGRAMMING, HARDWARE, EXPANSION CARDS, ETC. FOR A COMPLETE AND OPERATIONAL INSTALLATION.
3. MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO THE DEVICE. ALL MOUNTING HEIGHTS SHALL BE AS SHOWN ON THE SYMBOLS LIST UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
4. THE CONTRACTOR SHALL VISIT THE PROJECT JOB SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING AND SHALL INCLUDE IN THE BID NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS, SPECIFICATIONS AND ALL APPLICABLE CODES.
5. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES AND BEAR THEIR LABEL.
6. ALL LOCATIONS SHOWN ON PLANS FOR ALL LIGHTING, POWER AND FIRE ALARM SYSTEM DEVICES ARE APPROXIMATE. COORDINATE EXACT LOCATION IN FIELD.
7. CONTRACTOR SHALL REMOVE ALL LEFT OVER WIRE, SCRAPS, CONDUIT ETC. AND LEAVE THE PROJECT JOB SITE CLEAN AND FREE OF TRASH AND DEBRIS RESULTING FROM HIS WORK.
8. CONTRACTOR SHALL REPORT TO THE OWNER'S ENGINEER ANY OBSERVATIONS OF CONDITIONS WHICH ARE DISCOVERED IN THE BUILDING WHICH WOULD PREVENT THE CORRECT INSTALLATION OF THE ELECTRICAL SYSTEMS.
9. CONDUIT ROUTING ON PLANS IS SHOWN DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT CONDUIT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF UTILITIES AND OTHER DISCIPLINES.
10. ALL CONDUITS AND RACEWAYS PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE SEALED WITH APPROVED SEALANT TO MAINTAIN THE FIRE RATING OF THE FLOOR AND WALL.
11. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL BE PROVIDED WITH SPECIFIED EXPANSION/DEFLECTION FITTINGS.
12. ALL CONDUIT PENETRATIONS THROUGH ROOF AND EXTERIOR WALL SHALL BE SEALED WATERTIGHT.
13. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR IN FIELD.
14. COORDINATE ALL CEILING MOUNTED DEVICES WITH (E) BUILDING LIGHTING FIXTURES TO AVOID CONFLICTS.
15. CONTRACTOR SHALL MAINTAIN BARRIER SEPARATION BETWEEN SURFACE RACEWAY SYSTEM COMPARTMENTS AT ALL TEES AND OR CROSSES.
16. PROVIDE A CEC SIZED INSULATED COPPER GROUND CONDUCTOR IN ALL 120 VOLT THROUGH 600 VOLT FEEDER AND BRANCH CIRCUIT DISTRIBUTION CONDUITS AND CABLES UNLESS OTHERWISE NOTED.
17. CONTRACTOR SHALL REFER TO POWER PLANS FOR THE LOCATION OF ALL PANELBOARDS.
18. FURNISH AND INSTALL ALL PANELBOARDS WITH CIRCUIT BREAKERS AS SHOWN ON PANEL SCHEDULES.
19. CONTRACTOR SHALL NOT INSTALL POWER, TELEPHONE OR DATA OUTLETS BACK TO BACK IN STUD WALLS. IN FIRE RATED WALLS, OUTLET BOXES ON OPPOSITE SIDES SHALL BE SEPARATED BY A MINIMUM OF 24" HORIZONTALLY.
20. CONTRACTOR SHALL REFER TO ONE LINE DIAGRAM AND PANEL SCHEDULES FOR COMPONENTS OF THE ELECTRICAL SYSTEM.
21. LIGHTING AND POWER PLANS TYPICALLY INDICATE HOMERUNS WITH CIRCUIT NEXT TO DEVICES. CONTRACTOR SHALL ROUTE BRANCH CIRCUITS BASED ON CIRCUITING SHOWN AND SWITCH CONFIGURATIONS.
22. COORDINATE LOW VOLTAGE CONDUIT WITH LOW VOLTAGE PLANS AND CONTRACTOR FOR A COMPLETE & OPERATIONAL INSTALLATION.
23. ALL LOW VOLTAGE CABLE ROUTING SHALL BE CONCEALED INSIDE THE BUILDING IN CONDUIT.
24. CONTRACTOR SHALL PAINT ALL EXPOSED CONDUITS TO MATCH ADJACENT MATERIAL COLOR.
25. THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS APPROVED BY DSA.
26. THE ELECTRICAL DRAWINGS ARE NOT INTENDED TO SERVE AS STAND ALONE DOCUMENTS TO COMMUNICATE THE ENTIRE SCOPE OF ELECTRICAL WORK. THE ELECTRICAL CONTRACTOR SHALL OBTAIN A COMPLETE SET OF CONSTRUCTION DOCUMENTS INCLUDING ALL DRAWINGS, SPECIFICATIONS AND MANUALS.
27. WORK INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT TO REMOVE AND INSTALL ELECTRICAL ITEMS SPECIFIED AS SHOWN OR NOT SHOWN WHICH CAN BE REASONABLY ASSUMED TO BE REQUIRED AND NECESSARY TO PROVIDE COMPLETE AND WORKABLE SYSTEMS.
28. ALL ELECTRICAL WORK SHALL CONFORM WITH THE MOST RECENTLY ADOPTED EDITION OF THE CALIFORNIA ELECTRICAL CODE AS WELL AS ALL STATE AND LOCAL CODES & REQUIREMENTS.
29. THE COMPLETE SYSTEM SHALL BE GROUNDED PER CEC ART. 250.
29. PROVIDE A PULL ROPE IN ALL EMPTY CONDUITS FOR FUTURE PULLING OF CONDUCTORS OR CABLES.
30. ALL ROOF CONDUITS SHALL BE RE-SECURED PROPERLY. TAKE A PICTURE OF ANY DAMAGED CONDUIT(S) PRIOR TO START OF WORK AND NOTIFY THE SCHOOL DISTRICT.

RECEPTACLES, CONTROLS & SWITCHES

PER CBC 11B-308.1 & 11B-308.1.2, ELECTRICAL RECEPTACLES ON BRANCH CIRCUITS OF 30 AMPERES OR LESS, COMMUNICATION SYSTEM RECEPTACLES, CONTROLS AND SWITCHES SHALL BE LOCATED AS FOLLOWS:

1. WHERE THERE IS NO OBSTRUCTION, 48 INCHES (1219 mm) MAXIMUM MEASURED FROM THE TOP OF THE RECEPTACLE BOX AND 15 INCHES (381 mm) MINIMUM MEASURED FROM THE BOTTOM OF THE RECEPTACLE BOX TO THE FINISH FLOOR.
2. WHERE THE REACH IS OVER AN OBSTRUCTION, ELECTRICAL RECEPTACLES, CONTROLS AND SWITCHES SHALL COMPLY WITH SECTIONS 11B-308.2 AND 11B-308.3.
3. WHEN THE REACH IS OVER A KITCHEN WORK SURFACE AND BASE CABINET, THE WORK SURFACE SHALL BE 36 INCHES (914 mm) MAXIMUM ABOVE THE FINISH FLOOR AND 25 1/2 INCHES (650 mm) MAXIMUM IN DEPTH. THE BASE CABINET SHALL BE 24 INCHES (610 mm) MAXIMUM DEPTH.
4. WHERE RECEPTACLES ARE PROVIDED IN A KITCHEN AT A CORNER WORK SURFACE, ONE RECEPTACLE SHALL BE LOCATED 36 INCHES (915 mm) FROM EITHER WALL AT THE INSIDE CORNER.

FIRE ALARM NOTES

1. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS & 2019 CBC SEC. 907.
2. THE FIRE ALARM SYSTEM SHALL CONFORM TO CAL. ELEC. CODE AND ARTICLE 91. INSTALLATION OF THE SYSTEM SHALL NOT BEGIN UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CSFM LISTING NUMBERS FOR EACH COMPONENT, HAVE BEEN APPROVED BY DSA. UPON COMPLETION OF THE INSTALLATION, A TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE DSA INSPECTOR OF RECORD.
3. THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ) NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED (NFPA 72, SEC. 18.5.3.1)
4. ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS WHICH-EVER IS GREATER, MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 18.4.3.1)
5. ALL FIRE ALARM CABLE SHALL BE INSTALLED IN ½" CONDUIT MINIMUM. ALL ROUTINGS SHALL BE CONCEALED. PROVIDE A PULL ROPE IN ALL UNUSED CONDUIT RUNS.
6. ALL STROBES SHALL BE SYNCHRONIZED TO FLASH AT THE SAME TIME WITH ONE ANOTHER PER 2025 NFPA 72.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/120 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING & ELEC. DIST. SYS. BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2022 CBC SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP) AND ELECTRICAL DISTRIBUTION SYSTEMS (E).

MP☐ MD☐ PP☐ E☒ - OPTION #1: PROJECT SPECIFIC DESIGN.

MP☐ MD☐ PP☐ E☐ - OPTION #2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP☐ MD☐ PP☐ E☐ - OPTION #3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

EXISTING POWER SUPPLY BLDG K BATTERY CALCULATIONS

Device	Quantity	Standby Current	Total Standby Current	Alarm Current	Total Alarm Current
Existing Notifier FCPS-24S8	1	0.065	0.065	0.145	0.145
Existing Notification Appliances LOOP 1 CIRCUIT #12					
EXISTING HORN/STROBE @ 30CD	3	0.000	0.000	0.120	0.360
EXISTING HORN/STROBE @ 110CD	3	0.000	0.000	0.224	0.672
EXISTING INTERIOR HORN	1	0.000	0.000	0.041	0.041
EXISTING EXTERIOR HORN	2	0.000	0.000	0.041	0.082
Existing Notification Appliances LOOP 2 CIRCUIT #13					
EXISTING HORN/STROBE @ 110CD	4	0.000	0.000	0.218	0.872
EXISTING EXTERIOR HORN	2	0.000	0.000	0.210	0.420
New Notification Appliances LOOP 3 CIRCUIT #19					
WALL HORN STROBE P2RLED@75 CD	2	0.000	0.000	0.087	0.174
WALL STROBE SRLED@15 CD	3	0.000	0.000	0.018	0.054
Notification Appliances LOOP 4 Spare					
TOTALS		**TOTAL STANDBY**	0.065	**TOTAL ALARM**	2.820

COMPUTATIONS					
TOTAL AMPS USED IN STANDBY=	0.065	X	24 HOURS=	1.560	AH
TOTAL AMPS USED IN ALARM=	2.820	X	5 MINUTES=	0.234	AH
			+20% CONTINTENCY=	0.359	AH
			TOTAL BACKUP BATTERY REQUIREMENTS=	2.153	AH
			TOTAL BACKUP BATTERY PROVIDED=	7.000	AH
			TOTAL BACKUP BATTERY REQUIRED=	2.153	AH
			TOTAL BACKUP BATTERY RESERVED=	4.847	AH

Existing (2)12VDC, 7.0 ah batteries provide 7.0 amp hours at 24VDC.

VOLTAGE DROP CALCULATION
WIRE GAUGE (# 12) R=0.00171 ohm/FT

	A	B	C	D		
NAC CIRCUIT	SOURCE VOLTAGE	TOTAL AMP	WIRE LENGTH (FEET)	VOLT DROP (2xRxBxC)	% DROP (D/A)	VOLTAGE AT LAST DEVICE (A-D)
#N12	20.4	1.155	500	1.98	9.68	18.42
#N13	20.4	1.292	400	1.77	8.66	18.63
#N19	20.4	0.228	200	0.16	0.76	20.24
#N20	20.4	0	0	0.00	0.00	20.40

INTRUSION ALARM NOTE

ANY (E) INTRUSION ALARM DOOR CONTACTS THAT ARE REMOVED OR DEMOLISHED DUE TO NEW DOORS AND OR NEW DOOR FRAMES, SHALL BE REPLACED WITH NEW TO MATCH (E) FOR A COMPLETE AND OPERATIONAL INSTALLATION.

ABBREVIATIONS LIST

@	AT	J-BOX	JUNCTION BOX
A	AMPERE	KVA	KILO VOLT AMP
A/C	AIR CONDITIONING	KW	KILOWATT
AFF.	ABOVE FINISHED FLOOR	LV	LOW VOLTAGE
AL.	ALUMINUM	M.C.	MECHANICAL CONTRACTOR
AS	AMP SWITCH	MCC	MOTOR CONTROL CENTER
A.T.S.	AUTOMATIC TRANSFER SWITCH	MECH.	MECHANICAL
AWG	AMERICAN WIRE GAUGE	MH	METAL HALIDE
BC	BARE COPPER	MISC.	MISCELLANEOUS
BD.	BOARD	MSB	MAIN SWITCHBOARD
B.F.C.	BELOW FINISHED CEILING	MV	MERCURY VAPOR
BKR.	BREAKER	(N)	NEW
BLDG.	BUILDING	N.I.C.	NOT IN CONTRACT
C.	CONDUIT	N.I.E.S	NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECS.
C/B	CIRCUIT BREAKER		
CKT.	CIRCUIT	NL	NIGHT LIGHT
CLG.	CEILING	NO. #	NUMBER
C.O.	CONDUIT ONLY, WITH PULL LINE	NTS	NOT TO SCALE
		O.C.	ON CENTER
CU	COPPER	P	POLE
DISC.	DISCONNECT	P.C.	PLUMBING CONTRACTOR
(E)	EXISTING	PH	PHASE
EA.	EACH	PLUMB.	PLUMBING
E.C.	ELECTRICAL CONTRACTOR	PLY.	PLYWOOD
ELECT.	ELECTRIC(AL)	PNL.	PANEL
EMERG.	EMERGENCY	PRI.	PRIMARY
EMT	ELECTRICAL METALLIC TUBING	PVC	POLYVINYL CHLORIDE CONDUIT
EQUIP.	EQUIPMENT	REQ'D.	REQUIRED
EWC	ELECTRICAL WATER COOLER	RM.	ROOM
EWH	ELECTRIC WATER HEATER	RSC	RIGID STEEL CONDUIT
EXIST.	EXISTING	SEC.	SECONDARY
(F)	FUTURE	SQ.	SQUARE
F.A.C.P.	FIRE ALARM CONTROL PANEL	SW.	SWITCH
FLUOR.	FLUORESCENT	TEL.	TELEPHONE
FT.	FOOT	TTB	TELEPHONE TERMINAL BOARD
G.C.	GENERAL CONTRACTOR	TTC	TELEPHONE TERMINAL CABINET
GND.	GROUND		
GYP.	GYPSUM	TYP.	TYPICAL
H.I.D.	HIGH INTENSITY DISCHARGE	UG	UNDERGROUND
H.P.S.	HIGH PRESSURE SODIUM	UON	UNLESS OTHERWISE NOTED
HP	HORSEPOWER	UPS	UNINTERRUPTED POWER SUPPLY
HT.	HEIGHT	V	VOLTS
HV	HIGH VOLTAGE	WP	WEATHERPROOF
I/C	INTERCOM	W	WATT
IMC	INTERMEDIATE METALLIC CONDUIT	W	WITH
		W/O	WITHOUT
INCAN.	INCANDESCENT	XFMR	TRANSFORMER
IG	ISOLATED GROUND	&	AND
I&C	SHORT CIRCUIT INTERRUPTING CURRENT	ø	PHASE

WIRE AND CONDUIT LEGEND

- CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING.
- CONDUIT RUN UNDERFLOOR OR UNDERGROUND.
- HOME RUN, NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS IN HOME RUN.
- FLEXIBLE CONDUIT
- FACTORY WHIP
- NO CROSSBARS ON CONDUIT INDICATE ½" CONDUIT WITH TWO #12 AWG CONDUCTORS & ONE #12 AWG GND., CROSSBARS INDICATE NUMBER OF #12 AWG CONDUCTORS IN CONDUIT IN ADDITION TO #12 AWG GND. CONDUCTOR SIZE OTHER THAN #12 NOTED ON DRAWING. CONDUIT SIZE OTHER THAN ½" NOTED ON DRAWING.
- CONDUIT UP.
- #10 #10 #10 EXAMPLE: THREE CIRCUITS IN HOME RUN - FOUR #10 AWG CONDUCTORS AND ONE #10 AWG GROUNDING CONDUCTOR IN ¾" CONDUIT, RUN CONCEALED IN WALL OR ABOVE CEILING. ¾" C.

FIRE ALARM SCOPE OF WORK

THE (E) CLASSROOM IS BEING SPLIT INTO (2) CLASSROOMS AND A HALLWAY. NEW HVAC UNITS ARE BEING INSTALLED FOR EACH CLASSROOM. NEW FIRE ALARM SMOKE DETECTORS AND NOTIFICATION DEVICES ARE BEING INSTALLED IN EACH NEWLY FORMED CLASSROOM AND HALLWAY. NEW DEVICES SHALL BE CONNECTED TO (E) FIRE ALARM SYSTEM. THE BUILDING HAS FULLY AUTOMATIC COVERAGE TO REMAIN. CONTRACTOR SHALL PROVIDE AND INSTALL THE SMOKE DETECTORS AND NOTIFICATION DEVICES FOR A COMPLETE & OPERATIONAL INSTALLATION. PLANS CALL OUT FOR FIRE ALARM MANUFACTURER THAT THE SCHOOL DISTRICT IS CURRENTLY USING AND SHALL BE USED FOR THIS PROJECT.

ASSISTED LISTENING SYSTEM NOTE

THE CONTRACTOR SHALL PROVIDE AN ASSISTED LISTENING SYSTEM PER ADA REQUIREMENTS. PROVIDE A WILLIAMS AV, MODEL "FM ADA KIT 37 RCH TO PROVIDES THE REQUIRED MINIMUM NUMBER OF RECEIVERS AND ACCESSORIES TO MEET THE ADA REQUIREMENTS OF 4% OF OCCUPANTS.

FM ADA KIT 37 RCH INCLUDES THE FOLLOWING:

(1) PPA T46 TRANSMITTER
(4) PPA R31 RECEIVERS
(4) HED 027 HEADPHONES
(2) NKL 001 NECKLOOPS
(1) MIC 090 LAPEL MICROPHONE
(1) MIC 149 DESKTOP CONFERENCE MICROPHONE
(5) BAT 026-2 RECHARGEABLE AA BATTERIES (2 PACK)
(1) BAT KT6 CHARGING KIT FOR BODY PACKS
(1) CHG 3502 BATTERY CHARGER
(1) CCS 029 EQUIPMENT CARRY CASE
(1) IDP 008 ADA WALL PLAQUE

ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE FOLLOWING LISTED CODES, AND ALL OTHERS HAVING JURISDICTION OVER THE WORK.

2025 EDITION OF THE CALIFORNIA BUILDING CODE.
2025 EDITION OF THE CALIFORNIA FIRE CODE.
2025 EDITION OF THE CALIFORNIA ELECTRICAL CODE.

FIRE ALARM SYSTEM OPERATIONAL MATRIX

EFFECT / CAUSE	ALARM AT 'FACP'	ACTIVATE AUDIBLES	ACTIVATE VISUALS	TROUBLE AT FACP'	DEACTIVATE AUDIBLES/VISUALS		SYSTEM NORMAL	SUPERVISING STATION
MANUAL PULL STATION	X	X	X					X
SMOKE & HEAT DETECTORS	X	X	X					X
SYSTEM RESET					X	X	X	X
SYSTEM SILENCE					X	X		X
AC POWER FAILURE AT FACP.				X				X
F.A. TROUBLE (OPEN, SHORTS, OR GROUNDS) ON INITIATION, OR SIGNALING.				X				X

ELECTRICAL SYMBOLS

- PENDANT LIGHT FIXTURE - AIR CRAFT CABLE SUSPENDED
- EXIT SIGN
- NOTE: LETTER INDICATES FIXTURE TYPE - SEE FIXTURE SCHEDULE. SHADING = EMERGENCY FIXTURE. PROVIDE UNSWITCHED HOT CONDUCTOR TO FEED EXIT AND EMERGENCY LIGHTING.
- $P DIMMER LIGHT SWITCH, +44" UON
- OS OCCUPANCY SENSOR, INSTALLED ON LIGHT FIXTURE
- SWITCH SUBCRIPTS: a, b, c, etc. = DEVICE CONTROLLED.
- NON-FUSED DISCONNECT SWITCH, SIZE AS REQUIRED
- FU FUSED DISCONNECT SWITCH WITH TIME DELAY FUSES SIZED PER UNIT NAMEPLATE OR AS NOTED. DISCONNECT SHALL ACCEPT MAXIMUM RECOMMENDED FUSE SIZE.
- DUPLEX RECEPTACLE, NEMA 5-15R, +18" UON
- DUPLEX RECEPTACLE, NEMA 5-20R, +18" UON
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-15R, +18" UON.
- RECEPTACLE SUBSCRIPTS:
  GFI =or= GFCI = GROUND FAULT-CIRCUIT INTERRUPTER
  R = ROOF MOUNTED, WEATHERPROOF (IN-USE), GFCI
  EWC = ELECTRIC WATER COOLER, GFCI
  WP = WEATHERPROOF WITH IN-USE COVER
- JUNCTION BOX, SIZE AND TYPE AS REQUIRED
- SURFACE MOUNTED CLOCK/SPEAKER ENCLOSURE ON WALL. COORD. EXACT MOUNTING HEIGHT IN FIELD DURING ROUGH-IN. PROVIDE NEW CLOCK & SPEAKER TO MATCH (E) CLOCK/SPEAKER AND INSTALL IN SURFACE ENCLOSURE. ROUTE (2) CAT6 DATA CABLE IN (E) WIREMOLD AND TROUGH FROM ENCLOSURE TO NEW IDF RACK.
- 2 COMBINATION TEL/DATA OUTLET, +18" UON. CAT6 CABLE IN 1" CONDUIT TO ACCESSIBLE CEILING SPACE. NUMBER REPRESENTS NUMBER OF RJ45 JACKS AT EACH OUTLET. COORDINATE LABELING OF JACKS WITH DISTRICT IT DEPT.
- WAP DATA WIRELESS ACCESS POINT 'WAP'. PROVIDE (2) CAT6A RJ45 DATA JACKS IN CEILING WITH 2 PORT COVER PLATE. ROUTE (2) CAT6A CABLES TO BUILDING IDF. COORDINATE COORDINATE LABELING OF JACKS WITH DISTRICT IT DEPT.
- SWITCHBOARD, SEE ONE LINE DIAGRAM
- BRANCH CIRCUIT PANEL, SEE PANEL SCHEDULES
- SIGNAL OR CONTROL PANEL, TYPE AS INDICATED
- TELEPHONE TERMINAL BOARD, SIZE AS INDICATED
- IDENTIFICATION TAG FOR EQUIPMENT PROVIDED BY M.C. CONNECT EQUIPMENT AS INDICATED OR AS REQUIRED.
- NUMBERED NOTE TAG - SEE NUMBERED NOTES, SAME SHEET
- A / E1 INDICATES DETAIL "A" AT SHEET "E1"

FIRE ALARM EQUIPMENT SCHEDULE

SYMBOL	CATALOG #	DESCRIPTION	CSFM LISTING
FACP	(E) NOTIFIER NFS2-3030	(E) FIRE ALARM CONTROL PANEL WITH (2) 33.0 AH BATTERIES IN BATTERY CABINET.	7165-0018:0224
FCPS-K	(E) NOTIFIER FCPS-24S8	(E) FIRE ALARM POWER SUPPLY WITH (2) 7.0 AH BATTERIES	7315-0018:0225
	NOTIFIER FSP-951 B300-6 BASE	PHOTOELECTRIC SMOKE DETECTOR & BASE	7272-0018:0503 7300-1653:0109
	SYSTEM SENSOR P2RLED	WALL MOUNTED HORN/STROBE (15, 30, 75, 115 CANDELA)	7135-1653:0516
	SYSTEM SENSOR SRLED	WALL MOUNTED STROBE (15, 30, 75, 115 CANDELA)	7300-1653:0525
	(E) COOPER WHEELOCK ET-1010-R	(E) WEATHERPROOF, WALL MOUNTED EXTERIOR HORN	7320-0785:0105

NOTES:
1. THE (E) FIRE ALARM SYSTEM IS AN APPROVED FULLY AUTOMATIC SYSTEM WITH MANUAL DEVICES.
2. THE FIRE ALARM CONTROL PANEL SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY ARTICLE 91 OF THE CALIFORNIA FIRE CODE. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.

FIRE ALARM CABLE SCHEDULE

TYPE	DESCRIPTION
A	(2) #16 TWISTED/UNSHIELDED (F.A. SIGNALING LOOP CIRCUIT) WEST PENN #990, WET LOCATION WEST PENN AQC225.
B	(2) #12 THWN CU (F.A. NOTIFICATION APPLIANCE CIRCUIT) FOR CABLES BEING ROUTED UNDERGROUND, PROVIDE AQUASEAL OR EQUAL CABLES RATED FOR UNDERGROUND USE.

FIRE ALARM SYSTEM NOTES

1. F.A. SYSTEM SHALL CONFORM TO 2025 CALIFORNIA BUILDING CODE SECTION 907.2.3, 2025 CALIFORNIA ELECTRICAL CODE, ARTICLE 760 & NFPA 72, 2025 EDITION. COMPONENT SHALL BE AS SPECIFIED ON THE DRAWINGS. THE MANUFACTURERS FACTORY TRAINED AND AUTHORIZED REPRESENTATIVE SHALL PERFORM OR SUPERVISE THE INSTALLATION. UPON COMPLETION OF INSTALLATION, THIS PERSON SHALL EXECUTE A SATISFACTORY TEST OF THE ENTIRE SYSTEM IN THE PRESENCE OF THE DSA INSPECTOR. TESTING SHALL ALSO INCLUDE A BATTERY TEST. OPERATE SYSTEM FOR 24 HOURS WITHOUT INPUT POWER & PERFORM A (5) FIVE MINUTE ALARM TEST OF THE ENTIRE SYSTEM AT THE END OF 24 HOURS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE SYSTEM COMPLETE AND OPERATIONAL.
2. COMPLETE FIRE ALARM SUBMITTAL INCLUDED.

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REGISTERED PROFESSIONAL ENGINEER — ROBERT C. HOWE — No. E-10629 — EXP. 6-30-2027 — ELECTRICAL ENGINEER — STATE OF CALIFORNIA

Date Signed: 4/15/2026

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TK CLASSROOM ALTERATION

LEONARDO DA VINCI K-8 SCHOOL

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SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	DESCRIPTION	DATE
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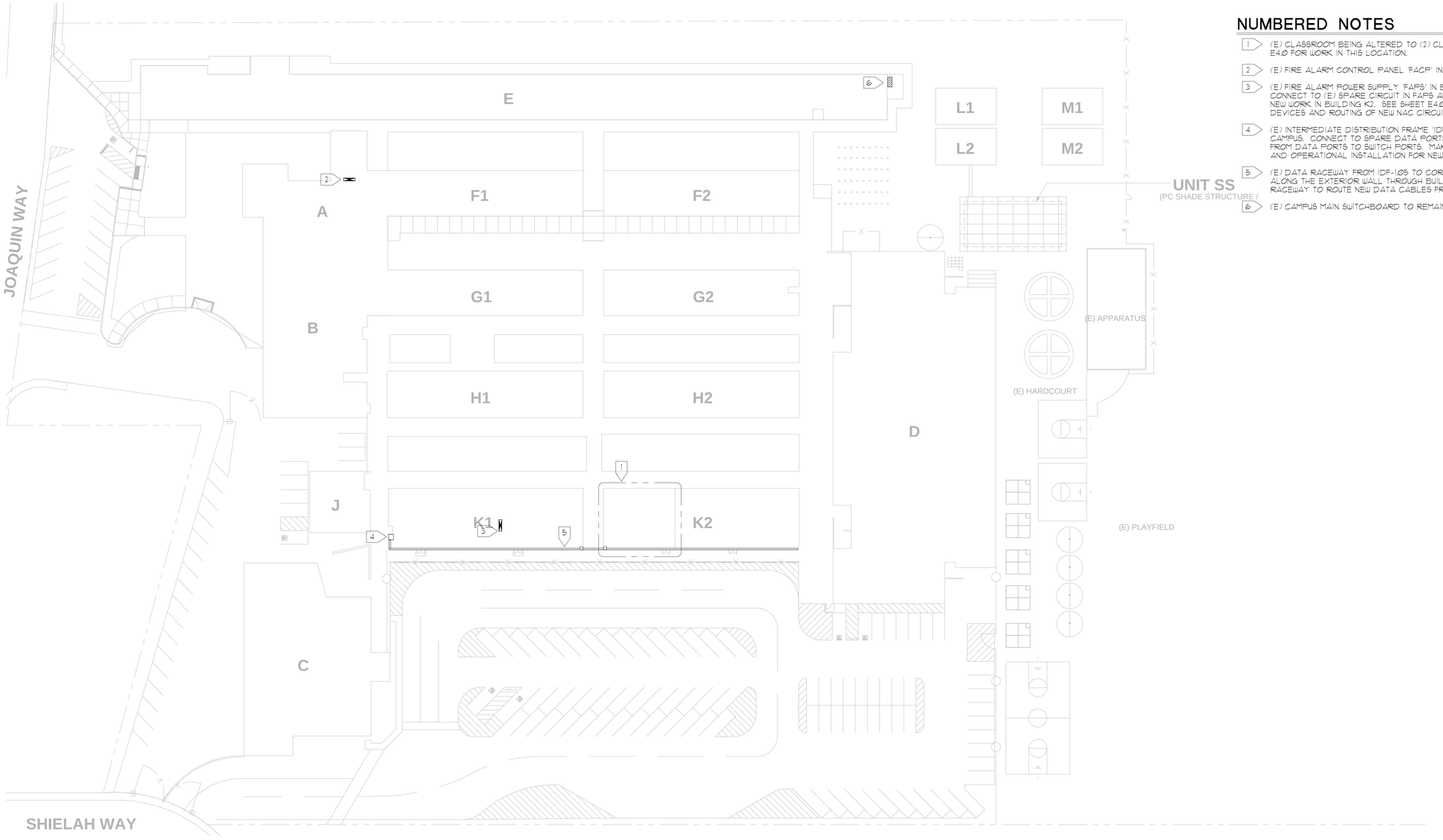
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ELECTRICAL SCHEDULES, SYMBOLS & NOTES

APRIL 15, 2026

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JOB NO. 26006

E1.0



NUMBERED NOTES

1. (E) CLASSROOM BEING ALTERED TO (2) CLASSROOMS. SEE SHEETS E3.0, E3.1 AND E4.0 FOR WORK IN THIS LOCATION.
2. (E) FIRE ALARM CONTROL PANEL 'FACP' IN ADMINISTRATION OFFICE TO REMAIN.
3. (E) FIRE ALARM POWER SUPPLY 'FAPS' IN BUILDING K1 CLOSET TO REMAIN. CONNECT TO (E) SPARE CIRCUIT IN FAPS AND ROUTE NEW NAC CIRCUIT OVER TO NEW WORK IN BUILDING K2. SEE SHEET E4.0 FOR LOCATION OF NEW FIRE ALARM DEVICES AND ROUTING OF NEW NAC CIRCUIT.
4. (E) INTERMEDIATE DISTRIBUTION FRAME 'IDF-105' FOR DATA/PHONE SYSTEM ON CAMPUS. CONNECT TO SPARE DATA PORTS IN IDF-105. PROVIDE PATCH CABLES FROM DATA PORTS TO SWITCH PORTS. MAKE ALL CONNECTIONS FOR A COMPLETE AND OPERATIONAL INSTALLATION FOR NEW CLASSROOM DATA & PHONE OUTLETS.
5. (E) DATA RACEWAY FROM IDF-105 TO CORNER OF CLASSROOM AND THEN ROUTED ALONG THE EXTERIOR WALL THROUGH BUILDING K1 AND K2 AS SHOWN. USE THIS RACEWAY TO ROUTE NEW DATA CABLES FROM NEW CLASSROOMS IN BUILDING K2.
6. (E) CAMPUS MAIN SWITCHBOARD TO REMAIN.

ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0"

A / E2.0

N

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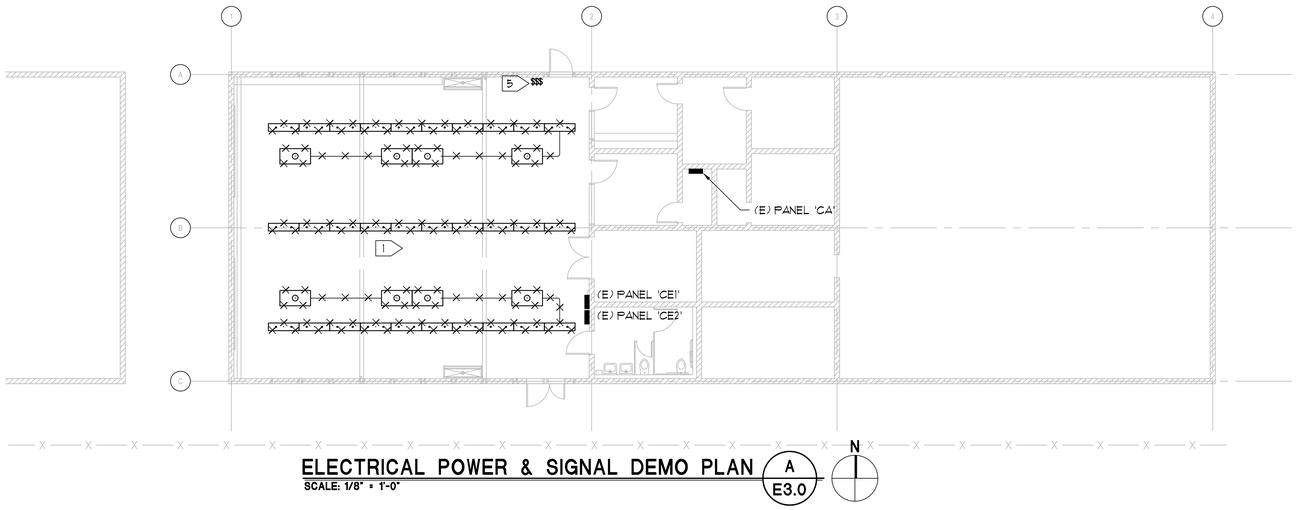
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ELECTRICAL SITE PLAN & NOTES

APRIL 15, 2026

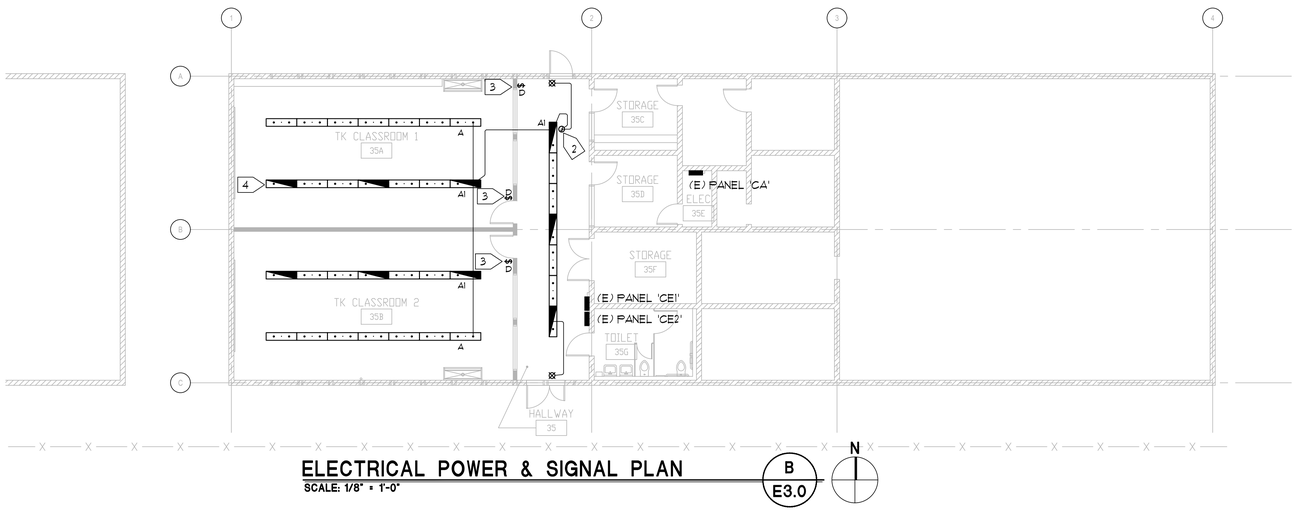
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E2.0



ELECTRICAL POWER & SIGNAL DEMO PLAN (A / E3.0)

SCALE: 1/8" = 1'-0"

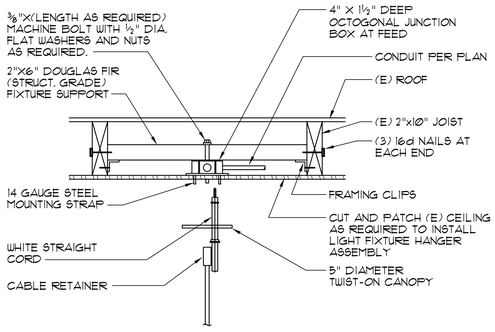


ELECTRICAL POWER & SIGNAL PLAN (B / E3.0)

SCALE: 1/8" = 1'-0"

NUMBERED NOTES

1. DISCONNECT AND REMOVE (E) PENDANT AND SURFACE MOUNTED LIGHT FIXTURES. REMOVE SURFACE RACEWAY AND CONDUCTORS BACK TO NEAREST JUNCTION BOX AND TERMINATE IN JUNCTION BOX. FROM JUNCTION BOX, USE (1) CIRCUIT TO PROVIDE POWER TO NEW LIGHTS IN NEW CLASSROOMS AND HALLWAY. REMOVE THE OTHER (2) LIGHTING CIRCUIT CONDUCTORS BACK TO (E) PANEL CA. TURN BREAKER OFF AND LABEL BREAKER SPARE. PROVIDE A BLANK COVER FOR (E) JUNCTION BOXES. SEE DETAIL B THIS SHEET FOR NEW LIGHTS, WIRING, SWITCHES ETC.
2. (E) JUNCTION BOX WITH (E) LIGHTING CIRCUIT. CONNECT TO CIRCUIT AND EXTEND TO NEW PENDANT LIGHT FIXTURES, EXIT SIGNS AS SHOWN. MAKE CONNECTIONS TO NEW LIGHTS FOR A COMPLETE AND OPERATIONAL INSTALLATION. PROVIDE AN UNSWITCHED HOT TO EXIT SIGNS AND EMERGENCY BATTERY PACKS.
3. NEW NLIGHT WIRELESS LIGHT SWITCH WITH DIMMING. CONTRACTOR TO COORDINATE CONNECTION TO NEW LIGHT FIXTURES WITH WIRELESS CONTROLS FOR A COMPLETE AND OPERATIONAL INSTALLATION.
4. NEW PENDANT MOUNTED LINEAR LIGHT FIXTURE IN CONTINUOUS ROWS AS SHOWN. LIGHTS HAVE WIRELESS OCCUPANCY SENSOR. CONTRACTOR TO PROGRAM LIGHT FIXTURES WITH WIRELESS SWITCHES FOR A COMPLETE AND OPERATIONAL INSTALLATION. TYPICAL OF (5) ROWS OF LIGHTS.
5. (E) (3) LIGHT SWITCHES TO BE REMOVED. DISCONNECT AND REMOVE CONDUCTORS. PROVIDE AND INSTALL A BLANK COVER PLATE ON (E) JUNCTION BOX.



SUSPENDED LIGHT FIXTURE DETAIL (C / E3.0)

SCALE: NONE

EXISTING PANEL CA — 120/208V, 3 Ph. 4W. — 100 AMP BUS — 10,000 ISC — IN STORAGE ROOM — SURFACE MOUNTED — NEMA 1

	DESCRIPTION	KVA	BKR	CKT	Ph. A	Ph. B	Ph. C	CKT	BKR	KVA	DESCRIPTION	
1	SPARE		15/3									
1	SPARE		15/3									
2	LIGHTS RM 35 35A 35B	1.0	20/1	1	1.4			10	20/1	0.4	STORE RM RECEPTS	1
2	SPARE		20/1	2		1.2		11	20/1	1.2	N & E WALL C-12 RCP	1
2	SPARE		20/1	3			0.7	12	20/1	0.7	EXHAUST FAN	1
1	LIGHTING RM C-24	1.0	20/1	4	1.0			13	20/1		SPARE	1
1	LIGHTING RM C-24	1.0	20/1	5		1.0		14	20/1		SPARE	1
1	LIGHTING RM C-24	1.0	20/1	6			2.0	15	20/1	1.0	LIGHTS SPRAY BOOTH	1
1	LIGHTS STORE RM	0.3	20/1	7	1.0			16	20/1	0.7	REF RM 36	1
1	LIGHTS CLOSETS	0.3	20/1	8		1.0		17	20/1	0.7	RECEPTS	1
1	OFFICE RECEPTS	0.3	20/1	9			1.8	18	20/1	1.5	MICRO RM 36	1
	SUBTOTAL:				3.4	3.2	4.5					
	CONNECTED LOAD	11.1 KVA									MAIN LUGS ONLY	
	25% LIGHTING LOAD	1.4 KVA										
	25% LARGEST MOTOR	0.2 KVA										
	TOTAL LOAD	12.7 KVA / 0.360 FACTOR =					35 AMPS					

1. EXISTING LOAD ON EXISTING CIRCUIT BREAKER.
2. NEW LOAD ON EXISTING CIRCUIT BREAKER.
3. NEW LOAD ON NEW CIRCUIT BREAKER. PROVIDE ALL REQUIRED HARDWARE.

EXISTING PANEL CE1 — 120/208V, 3 Ph. 4W. — 100 AMP BUS — 10,000 ISC — IN HALLWAY — SURFACE MOUNTED — NEMA 1

	DESCRIPTION	KVA	BKR	CKT	Ph. A	Ph. B	Ph. C	CKT	BKR	KVA	DESCRIPTION	
1	EXISTING LOAD	0.7	20/1	1	1.1			2	20/1	0.4	QUAD RCPT S. WALL	1
1	EXISTING LOAD	0.9	20/1	3		1.3		4	20/1	0.4	QUAD RCPT W. WALL	1
1	EXISTING LOAD	0.7	20/1	5			1.7	6	20/1	1.0	EXISTING LOAD	1
1	SPARE		20/1	7	1.0			8	20/1	1.0	EXISTING LOAD	1
				9				10				
				11				12				
				13				14				
				15				16				
				17				18				
				19				20				
				21				22				
				23				24				
3	CR 1 RECEPTS	0.7	20/1	25	0.7			26				
3	CR 2 RECEPTS	0.5	20/1	27		0.5		28	15/3		SPARE	1
3	NEW AC UNIT	3.6	50/2	29			3.6	30				
3	HP-1	3.6		31	3.6			32				
3	NEW AC UNIT	4.3	60/2	33		4.3		34	15/3		SPARE	1
3	HP-2	4.3		35			4.3	36				
				37				38				
	SPARE		15/3	39				40	15/3		SPARE	1
				41				42				
	SUBTOTAL:				6.4	6.1	9.6					
	CONNECTED LOAD	22.1 KVA									MAIN LUGS ONLY	
	25% LIGHTING LOAD	KVA										
	25% LARGEST MOTOR	2.2 KVA										
	TOTAL LOAD	24.3 KVA / 0.360 FACTOR =					68 AMPS					

1. EXISTING LOAD ON EXISTING CIRCUIT BREAKER.
2. NEW LOAD ON EXISTING CIRCUIT BREAKER.
3. NEW LOAD ON NEW CIRCUIT BREAKER. PROVIDE ALL REQUIRED HARDWARE.

EXISTING PANEL CE2 — 120/208V, 3 Ph. 4W. — 100 AMP BUS — 10,000 ISC — IN HALLWAY — SURFACE MOUNTED — NEMA 1

	DESCRIPTION	KVA	BKR	CKT	Ph. A	Ph. B	Ph. C	CKT	BKR	KVA	DESCRIPTION	
	SPACE			1				2			SPACE	
				3				4				
1	SPARE		15/3	5				6	15/3		SPARE	1
				7				8				
				9				10				
1	SPARE		15/3	11				12	20/3		SPARE	1
				13				14				
				15				16				
1	SPARE		15/3	17				18	15/3		SPARE	1
				19				20				
				21				22				
2	SPARE		40/3	23				24	15/3		SPARE	1
				25				26				
	SPACE			27				28			SPACE	
	SPACE			29				30			SPACE	
	SPACE			31				32			SPACE	
	SPACE			33				34			SPACE	
	SPACE			35				36			SPACE	
	SPACE			37				38			SPACE	
	SPACE			39				40			SPACE	
				41				42				
	SUBTOTAL:											
	CONNECTED LOAD	KVA										
	25% LIGHTING LOAD	KVA									FEED THROUGH LUGS	
	25% LARGEST MOTOR	KVA									FROM PANEL CE1	
	TOTAL LOAD	KVA / 0.360 FACTOR =					AMPS					

1. EXISTING LOAD ON EXISTING CIRCUIT BREAKER.
2. NEW LOAD ON EXISTING CIRCUIT BREAKER.
3. NEW LOAD ON NEW CIRCUIT BREAKER. PROVIDE ALL REQUIRED HARDWARE.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	FIXT. VOLT.	LAMPS TYPE	INPUT V.A.	WEIGHT	MOUNTING	REMARKS
A	PEERLESS BRUNO BRM9L-LLP-28'-M9L4-80CRI-40K-ID900LMF-10/30-MINI-NLTAIR2-MVOLT-SCT-APDT-F2/48A-C210	120	LED	179.2	5.5 LBS/ PER FT.	PENDANT MOUNT AT +10'-0" TO BOTTOM OF LENS SEE C/E3.0	PENDANT MOUNTED CONTINUOUS ROW LED FIXTURE WITH 4000K NLTAIR-2 WIRELESS DUAL OCC. SENSOR AND WHITE IN COLOR.
A1	PEERLESS BRUNO BRM9L-LLP-28'-M9L4-80CRI-40K-ID900LMF-10/30-MINI-NLTAIR2-MVOLT-SCT-E10WLCP-APDT-F2/48A-C210	120	LED	179.2	5.5 LBS/ PER FT.	PENDANT MOUNT AT +10'-0" TO BOTTOM OF LENS SEE C/E3.0	PENDANT MOUNTED CONTINUOUS ROW LED FIXTURE WITH 4000K NLTAIR-2 WIRELESS DUAL OCC. SENSOR AND WHITE IN COLOR. WITH 90 MINUTE EMERGENCY BATTERY PACK.
⊠	LITHONIA LQM-S-W-RG-MVOLT-EL	120	LED	1.5	3 LBS	SURFACE WALL ABOVE DOOR	LED EXIT SIGN WITH 90 MIN. BATTERY BACKUP

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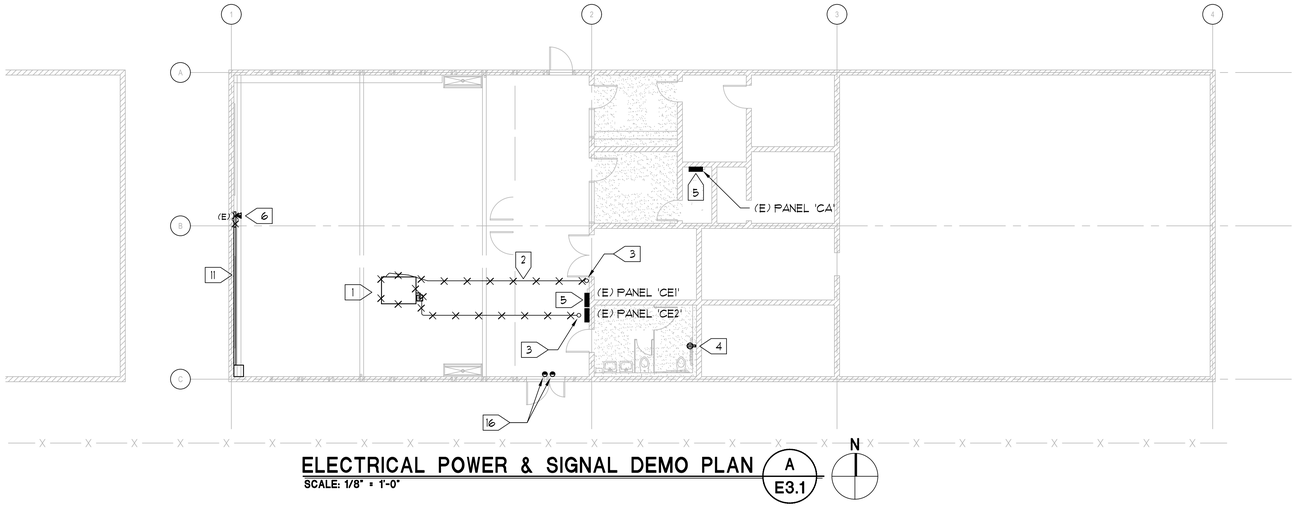
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ELECTRICAL LIGHTING PLANS & NOTES

APRIL 15, 2026

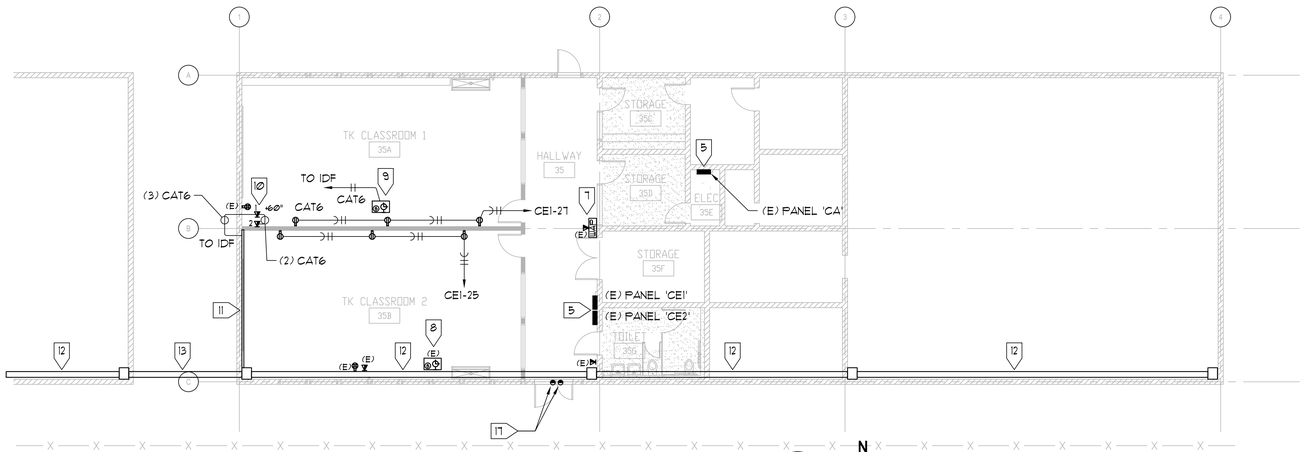
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E3.0



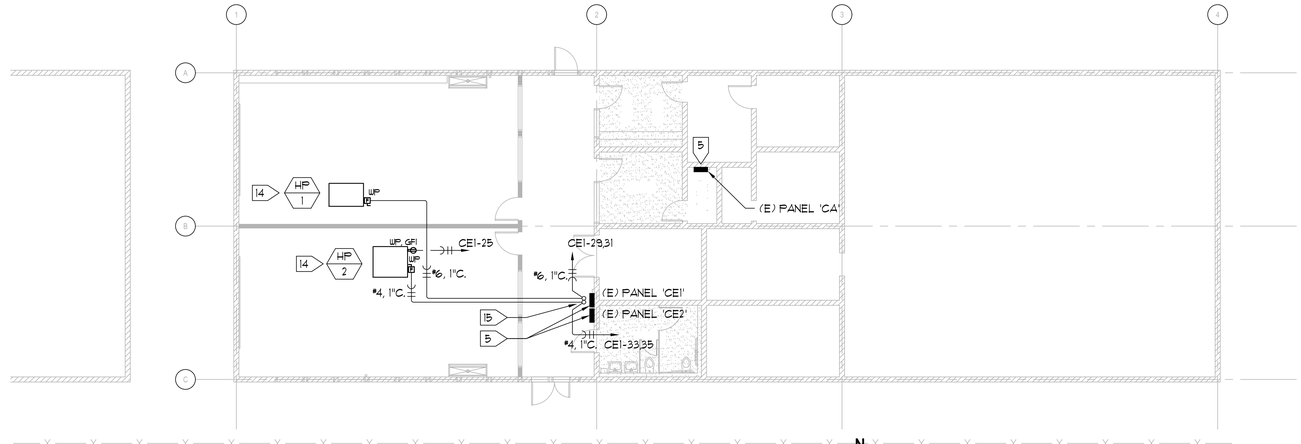
ELECTRICAL POWER & SIGNAL DEMO PLAN (A / E3.1)

SCALE: 1/8" = 1'-0"



ELECTRICAL POWER & SIGNAL PLAN (B / E3.1)

SCALE: 1/8" = 1'-0"

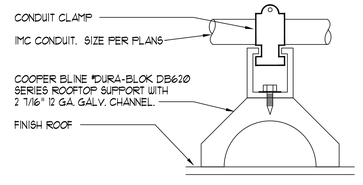


ELECTRICAL MECHANICAL POWER PLAN (C / E3.1)

SCALE: 1/8" = 1'-0"

NUMBERED NOTES

1. (E) MECHANICAL UNIT ON ROOF TO BE REPLACED WITH NEW. DISCONNECT AND REMOVE (E) DISCONNECT SWITCH, CONDUIT AND CONDUCTORS. REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE PANEL CE2. LABEL BREAKER SPARE ON PANEL DIRECTORY. SEE PANEL SCHEDULES ON SHEET E3.0.
2. (E) CONDUIT FOR THERMOSTAT CABLE TO (E) THERMOSTAT BEING REMOVED. SEE MECHANICAL PLANS. REMOVE CONDUIT FROM THERMOSTAT TO UNIT ON ROOF.
3. (E) CONDUIT PENETRATION THROUGH THE ROOF WITH CONDUIT BEING REMOVED. RE-USE THE ROOF PENETRATION AND WIDEN AS REQUIRED TO ALLOW NEW CONDUITS FROM NEW HVAC UNITS TO (E) ELECTRICAL PANEL. PROVIDE NEW ROOF JACK BOOT AND SEAL WEATHERPROOF FOR A COMPLETE AND OPERATIONAL INSTALLATION.
4. (E) RECEPTACLE IN ADA STALL OF RESTROOM TO BE DISCONNECTED AND REMOVED. DISCONNECT AND REMOVE RECEPTACLE. RECONNECT CIRCUIT IN (E) JUNCTION BOX TO REMAIN. MAINTAIN CONTINUITY OF DOWNSTREAM DEVICES. PROVIDE A BLANK COVER PLATE AND INSTALL ON (E) JUNCTION BOX.
5. (E) ELECTRICAL PANEL 'CA', 'CE1' AND 'CE2' TO REMAIN. SEE ELECTRICAL PANEL SCHEDULES ON SHEET E3.0 FOR WORK REQUIRED.
6. (E) DATA OUTLET AND WIREMOLD TO BE DISCONNECTED AND REMOVED BACK TO 90 ELBOW ON WALL ABOVE. REMOVE ELBOW. CUT WIREMOLD BACK TO END HORIZONTAL WIREMOLD RUN INTO THE NEW WALL AT GRID LINE B AND CLASSROOM 35B. REMOVE DATA CABLE BACK TO (E) IDF.
7. (E) DATA SYSTEM WIRELESS ACCESS POINT 'WAP' TO REMAIN.
8. (E) DIGITAL CLOCK AND SPEAKER TO REMAIN.
9. PROVIDE AND INSTALL A NEW CLOCK/SPEAKER ENCLOSURE WITH CLOCK AND SPEAKER IN MIDDLE OF NEW WALL. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATION PLAN DETAIL 1A/A4.0 SOUTH ELEVATION. ROUTE (2) NEW CAT6 DATA CABLES IN NEW WALL OVER TO (E) HORIZONTAL WIREMOLD. ROUTE DATA CABLES IN (E) WIREMOLD IN CLASSROOM 35B TO DATA TROUGH AT CORNER AND THEN TO IDF LOCATED IN LAST CLASSROOM IN BUILDING K1. SEE SITE PLAN FOR LOCATION OF IDF.
10. PROVIDE AND INSTALL (2) DATA OUTLETS AT 18" AND (1) DATA/PHONE OUTLET AT 60" FOR DATA AND PHONE CONNECTIONS IN NEW TK CLASSROOM 35A. ROUTE (3) CAT6 DATA CABLES IN NEW WALL OVER TO (E) HORIZONTAL WIREMOLD. ROUTE DATA CABLES IN (E) WIREMOLD IN CLASSROOM 35B TO DATA TROUGH AT CORNER AND THEN TO IDF LOCATED IN LAST CLASSROOM IN BUILDING K1. SEE SITE PLAN FOR LOCATION OF IDF.
11. (E) WIREMOLD ON EXTERIOR WALL TO REMAIN. USE THIS WIREMOLD TO ROUTE DATA/PHONE CABLES TO LOW VOLTAGE TROUGH FROM NEW WALL.
12. (E) LOW VOLTAGE TROUGH WITH DATA CABLES, FIRE ALARM CABLES, ETC. THAT ARE ROUTED FROM THE IDF AT THE END OF THE CLASSROOM WING AND FIRE ALARM POWER SUPPLY IN BUILDING K1 TO REMAIN. SEE SITE PLAN SHEET E2.0 FOR IDF AND FIRE ALARM POWER SUPPLY LOCATIONS.
13. (E) 4" CONDUIT WITH DATA AND FIRE ALARM CABLES ROUTED FROM BUILDING K1 TO BUILDING K2 TO REMAIN. USE THIS CONDUIT TO ROUTE NEW DATA AND FIRE ALARM CABLES FROM BUILDING K1 TO BUILDING K2 AS CALLED OUT FOR ON SHEET E3.1 AND E4.0.
14. NEW HVAC UNIT ON ROOF. PROVIDE A WEATHERPROOF, FUSED DISCONNECT, FUSES AND INSTALL ON UNIT. ROUTE CONDUIT AND CONDUCTORS SHOWN FROM UNIT ACROSS ROOF, THROUGH ROOF PENETRATION AND DOWN TO PANELS IN NEWLY CREATED HALLWAY. MAKE ALL CONNECTIONS FOR A COMPLETE AND OPERATIONAL INSTALLATION. COORDINATE EXACT CONNECTION REQUIREMENTS WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR. FUSE AMPERAGE TO MATCH MOCP ON UNIT NAMEPLATE.
15. ROUTE CONDUITS AND CONDUCTORS FOR NEW HVAC UNITS DOWN THROUGH ROOF, ALONG HALLWAY WALL AND INTO TOP OF PANEL CE1. ROUTE NEW MAINTENANCE RECEPTACLE CONDUIT AND CONDUCTORS ALONG WITH NEW HVAC UNIT CIRCUITS. MAKE ALL CONNECTIONS TO NEW CIRCUIT BREAKERS IN PANEL CE1 FOR A COMPLETE AND OPERATIONAL INSTALLATION.
16. (E) DOORS TO BE REMOVED AND REPLACED WITH NEW. DISCONNECT INTRUSION ALARM DOOR CONTACTS AND REMOVE (E) WIRING UP OUT OF THE WAY. COIL FOR REUSE.
17. NEW DOORS TO BE INSTALLED IN THIS LOCAITON. ONCE NEW DOORS HAVE BEEN INSTALLED, INSTALL NEW DOOR CONTACTS TO NEW FRAME AND NEW DOOR. NEW DOOR CONTACTS SHALL MATCH (E) REMOVED DOOR CONTACTS. RECONNECT (E) INTRUSION ALARM WIRING TO NEW DOOR CONTACTS FOR A COMPLETE AND OPERATIONAL INSTALLATION. REPROGRAM (E) INTRUSION ALARM SYSTEM AS REQUIRED.



NOTE:

1. CONDUIT SUPPORTS SHALL BE SPACED AT 10'-0" MAX AND WITHIN 3' OF A COUPLING, CONNECTOR, JUNCTION BOX, ETC. PER C.E.C. CONDUIT SUPPORT REQUIREMENTS.

CONDUIT SUPPORT (ROOF) DETAIL (D / E3.1)

SCALE: NONE

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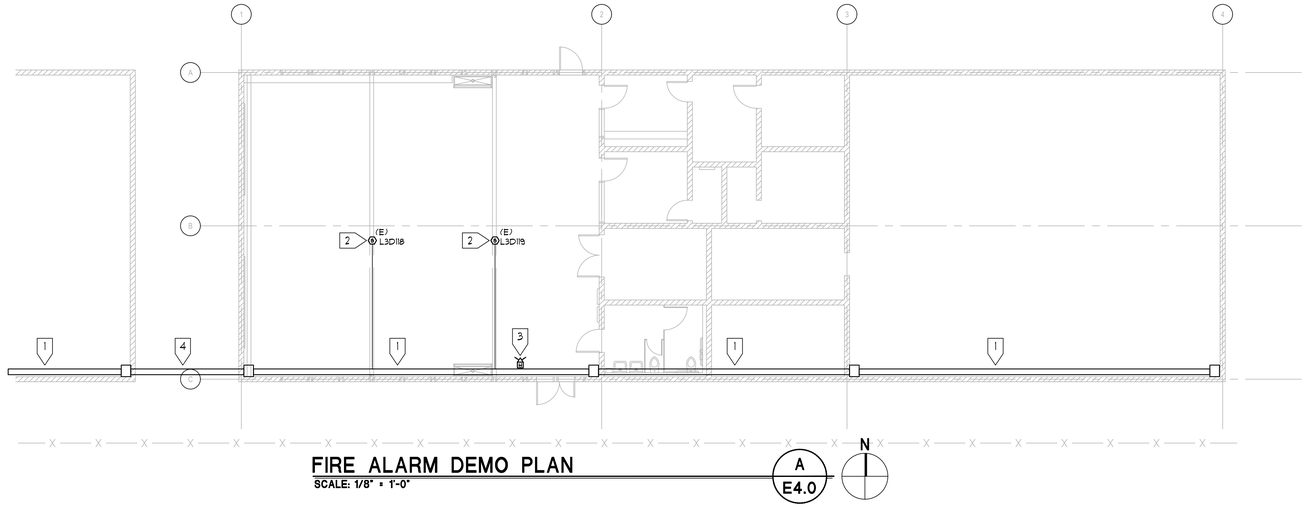
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ELECTRICAL POWER & SIGNAL PLANS & NOTES

APRIL 15, 2026

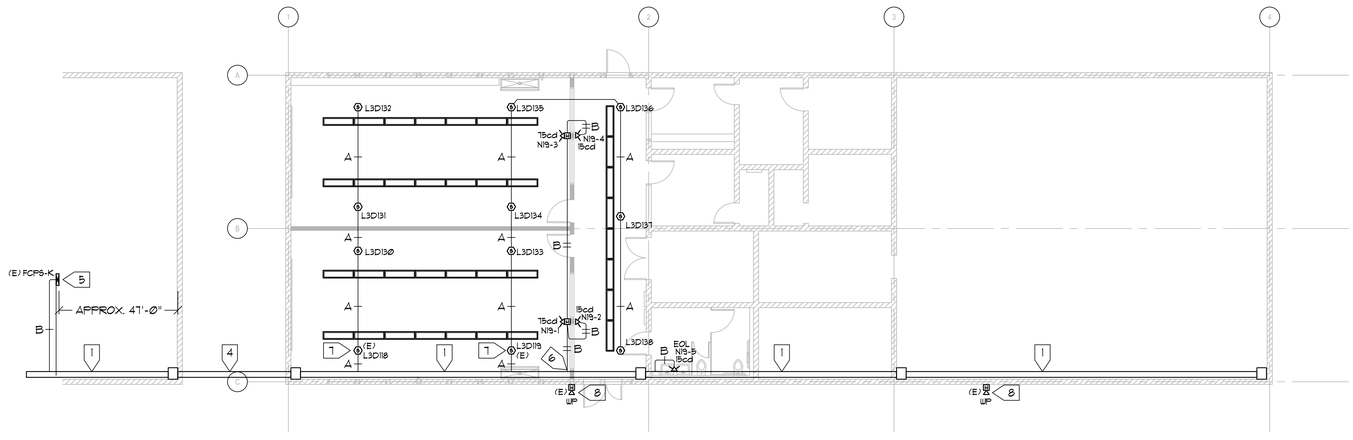
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E3.1



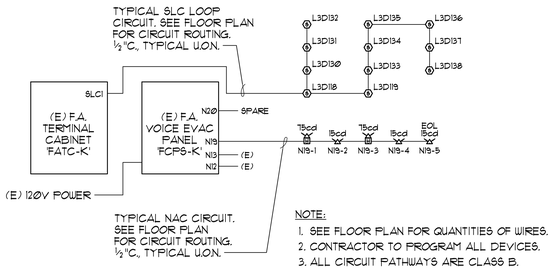
FIRE ALARM DEMO PLAN
SCALE: 1/8" = 1'-0"

A E4.0



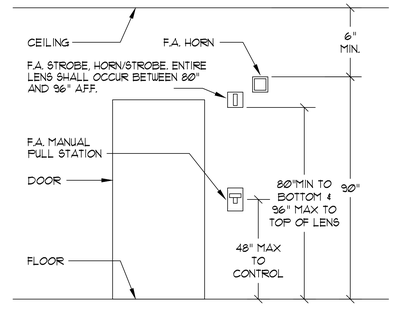
FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"

B E4.0



FIRE ALARM RISER DIAGRAM
SCALE: N.T.S.

C E4.0



F.A. DEVICE ELEVATION DETAIL
SCALE: N.T.S.

D E4.0

NUMBERED NOTES

1. (E) LOW VOLTAGE TROUGH WITH DATA CABLES, FIRE ALARM CABLES, ETC. THAT ARE ROUTED FROM THE IDF AT THE END OF THE CLASSROOM WING AND FIRE ALARM POWER SUPPLY IN BUILDING K1 TO REMAIN. SEE SITE PLAN SHEET E2.0 FOR IDF AND FIRE ALARM POWER SUPPLY LOCATIONS.
2. (E) SMOKE DETECTOR TO BE DISCONNECTED AND RELOCATED IN NEWLY CREATED CLASSROOM 35B. DISCONNECT AND REMOVE THE CONDUIT AND CONDUCTORS BACK TO CABLING TROUGH. COIL FIRE ALARM SLC LOOP AT TROUGH FOR RECONNECTION TO (E) SMOKE DETECTORS IN NEW LOCATION.
3. (E) HORN/STROBE ON EXTERIOR WALL NEAR DOOR TO BE REMOVED FOR NEW WALL BEING INSTALLED TO CREATE THE NEW CLASSROOMS AND NEW HALLWAY. DISCONNECT AND REMOVE HORN/STROBE. RECONNECT (E) NAC CIRCUIT TO MAINTAIN (E) CIRCUITING TO DOWNSTREAM DEVICES. SEE DETAIL B/E4.0 FOR NEW DEVICES AND CIRCUITING TO PROVIDE NEW NAC DEVICES TO COVER THE NEW CLASSROOMS AND NEW HALLWAY.
4. (E) 4" CONDUIT WITH DATA AND FIRE ALARM CABLES ROUTED FROM BUILDING K1 TO BUILDING K2 TO REMAIN. USE THIS CONDUIT TO ROUTE NEW DATA AND FIRE ALARM CABLES FROM BUILDING K1 TO BUILDING K2 AS CALLED OUT FOR ON SHEET E3.1 AND E4.0.
5. (E) FIRE ALARM POWER SUPPLY TO REMAIN. CONNECT TO SPARE NAC CIRCUIT AND ROUTE F.A. TYPE B CABLE IN (E) CONDUIT OVER TO LOW VOLTAGE TROUGH. ONCE IN TROUGH, ROUTE NAC CIRCUIT TO NEW HALLWAY 35 AND CLASSROOMS 35A & 35B.
6. NEW NAC CIRCUIT #18, FROM (E) FAPS ROUTED IN LOW VOLTAGE TROUGH. AT NEW WALL, ROUTE NAC CIRCUIT IN ½" CONDUIT IN NEW WALL TO NEW NAC DEVICES AS SHOWN. ONCE AT LAST DEVICE N19-4, ROUTE CIRCUIT BACK TO TROUGH AND OVER TO NEW STROBE IN (E) TK RESTROOM. AT STROBE IN RESTROOM, MAKE CONNECTIONS TO STROBE AND PROVIDE AN END OF LINE RESISTOR FOR A COMPLETE AND OPERATIONAL INSTALLATION.
7. ROUTE (E) FIRE ALARM SLC LOOP THAT IS COILED AT LOW VOLTAGE TROUGH UP EXTERIOR WALL MULLION TO ABOVE NEW GYP. BOARD CEILING AND OVER TO NEW LOCATION OF (E) SMOKE DETECTORS AS SHOWN. FROM (E) SMOKE DETECTOR INSTALLED IN NEW LOCATION, ROUTE SLC LOOP TO NEW ADDITIONAL SMOKE DETECTORS IN ½" CONDUIT ABOVE NEW GYP. BOARD CEILING AS SHOWN.
8. (E) WEATHERPROOF EXTERIOR HORN TO REMAIN.

FIRE ALARM NOTES

1. APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35.
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.
3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.
4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
6. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
7. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
8. THE ENTIRE LENS OF WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL OCCUR BETWEEN +80" MINIMUM AND +96" MAXIMUM FROM FINISHED FLOOR.
9. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT +80" MINIMUM AND +100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.
10. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBLES (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.
11. AUDIBLE FIRE ALARM NOTIFICAITON APPLIANCES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
12. VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
13. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
14. ALL FIRE ALARM WIRING SHALL BE FPLOR, FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
15. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
16. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER, IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE / CONTAMINATION OF NEWLY INSTALLED FIRE ALARM DEVICES, SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
17. ALL FIRE ALARM CIRCUITS SHALL BE IN ½" CONDUIT MINIMUM, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
18. FIRE ALARM PANEL, REMOTES AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
19. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
20. THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 7.8.2.
21. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT +48" ABOVE THE FINISHED FLOOR.
22. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 907.6.2.
23. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
24. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A UUJS OR UUFX LISTED FIRE ALARM SYSTEM MONITORING CONTRACT OR PROVISIONS.
25. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS & 2025 CBC SEC. 907.
26. PROVIDE A PULL ROPE IN ALL UNUSED CONDUIT RUNS.

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No. 24706
RDN: 12/31/25
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
ROBERT C. HOWE
No. E-10629
EXP. 6-30-2027
ELECTRICAL
STATE OF CALIFORNIA

Date Signed: 4/15/2026

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TK CLASSROOM ALTERATION

LEONARDO DA VINCI K-8 SCHOOL

4701 JOAQUIN WAY
SACRAMENTO CA 95822

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

REVISIONS

NO.	DESCRIPTION	DATE
1	.	.

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FIRE ALARM PLANS & NOTES

APRIL 15, 2026

DRAWN BY: JD
CHECKED BY: RH
JOB NO.: 26006

E4.0

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in §160.5, §170.2(e) and §180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: Leonardo Da Vinci TK CR Alteration	**Report Page:** (Page 1 of 7)
Project Address: 4701 Joaquin Way, Sacramento, CA 95822	**Date Prepared:** 2026-04-14T03:59:55-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Sacramento	04	Total Conditioned Floor Area (ft²)	1,822.4
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	0
● Classroom					

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 / §170.2(e) or §141.0(b)2 / §180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	1822.4	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	1822.4			

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Leonardo Da Vinci TK CR Alteration	**Report Page:** (Page 2 of 7)
	Date Prepared: 2026-04-14T03:59:55-04:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1 /§170.2(e)	Allowed Lighting Power per §140.6(b) /§170.2(e) (Watts)					Adjusted Lighting Power per §140.6(a) /§170.2(e) (Watts)				Compliance Results
	01	02	03		04	05	06		07	08
	Complete Building §140.6(c)1	Area Category §140.6(c)2 /§170.2(e)4	Area Category Additional §140.6(c)2C / §170.2(e)4Av (+)	=	**Total Allowed** (Watts)	Total Designed (Watts)	Adjustments PAF Lighting Control Credits §140.6(a)2 /§170.2(e)1B (-)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 §140.6 /§170.2(e)**
	(See Table I)	(See Table I)	(See Table J)			(See Table F)	(See Table P)			
Conditioned		1,020.02		=	1,020.02	≥ 896		=	896	COMPLIES
Unconditioned				=		≥	0	=		
Controls Compliance (See Table H for Details)										COMPLIES
One-for-one Luminaire Alterations Compliance (See Table Q for Details)										

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Leonardo Da Vinci TK CR Alteration	**Report Page:** (Page 3 of 7)
	Date Prepared: 2026-04-14T03:59:55-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change [1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)3 / §170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A & A1	28' LED PENDANT FIXTURE	No	NA	179.2	Mfr. Spec	5	No	896	☐	☐
Total Designed Watts: CONDITIONED SPACES								896		

[1] *FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B /§170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2] *Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) /§160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c) / §160.5(b)4C	☐	☐
NA < 4,000W subject to multilevel	See Area/Space Level Controls (Column 8)		

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Leonardo Da Vinci TK CR Alteration	**Report Page:** (Page 4 of 7)
	Date Prepared: 2026-04-14T03:59:55-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Controls §130.1(a) /§160.5(b)4A	Multi-Level Controls §130.1(b) /§160.5(b)4B	Shut-Off Controls §130.1(c) //§160.5(b)4C	Primary/Skylit Daylighting §130.1(d) /§160.5(b)4D	Secondary Daylighting §130.1(d) /§160.5(b)4D	Interlocked Systems §140.6(a)1/ §170.2(e)2A	Field Inspector	
								Pass	Fail
CLASSROOM	Classroom, Lecture, or Training Vocational	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
HALLWAY	Corridor	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
							13		
							Plan Sheet Showing Daylit Zones:		

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area CategoryPAF	PAF
CLASSROOM	Classroom, Lecture, or Training Vocational	0.6	1,455.3	873.18	No	No
HALLWAY	Corridor	0.4	367.1	146.84	No	No
		TOTALS:	1,822.4	1,020.02	See Tables J, or P for detail	

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Leonardo Da Vinci TK CR Alteration	**Report Page:** (Page 5 of 7)
	Date Prepared: 2026-04-14T03:59:55-04:00

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. ONE-FOR-ONE LUMINAIRE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Leonardo Da Vinci TK CR Alteration	**Report Page:** (Page 6 of 7)
	Date Prepared: 2026-04-14T03:59:55-04:00

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	CLASSROOM; HALLWAY

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Leonardo Da Vinci TK CR Alteration	**Report Page:** (Page 7 of 7)
Project Address: 4701 Joaquin Way, Sacramento, CA 95822	**Date Prepared:** 2026-04-14T03:59:55-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Rickert Henriksen	
Company: Sacramento Engineering Consultants	Signature Date: 04/14/2026
Address: 10555 Old Placerville Road	CEA/AEA/ECC Certification Identification (if applicable):
City/State/Zip: Sacramento, CA 95827	Phone: (916) 368-4468

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Rickert Henriksen	Responsible Person Signature:
Responsible Person Scope:	
Company: Sacramento Engineering Consultants	Date Signed: 04/14/2026
Address: 10555 Old Placerville Road	License: E-10629
City/State/Zip: Sacramento, CA 95827	Phone: (916) 368-4468

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REGISTERED PROFESSIONAL ENGINEER — RICKERT C. HENRIKSEN — No. E-10629 — EXP. 6-30-2027 — ELECTRICAL — STATE OF CALIFORNIA

Date Signed: 4/15/2026

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TK CLASSROOM ALTERATION

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LIGHTING T24 CALCULATIONS

APRIL 15, 2026

DRAWN BY: JD
CHECKED BY: RH
JOB NO.: 26006

E5.0