



**Visions In Education**  
**TENANT IMPROVEMENT PROJECT**  
**Project # 26-01**  
**ADDENDUM NO. 2**

February 24, 2026

Owner: Visions In Education  
11931 Foundation Place  
Gold River, CA 95670

Architect: GRA Architecture, Inc.  
205 23<sup>rd</sup> Street, Suite 130  
Sacramento, CA 95816

Project Manager: Capital Program Management, Inc.  
1851 Heritage Lane, Suite 210  
Sacramento, CA 95815

This Addendum has been prepared to clarify, modify, delete, or add to the drawings and/or specifications for the above referenced project, and revisions to items listed here shall supersede description thereof prior to the above stated date. All conditions not specifically referenced here shall remain the same. It is the obligation of the Prime Contractor to make subcontractors aware of any items herein that may affect submitted bids.

Acknowledge receipt of this addendum by inserting its number and date in the bidding documents. Failure to do so may subject bidder to disqualification.

All addenda items refer to the plans and specifications unless specifically noted otherwise.

TOTAL PAGES IN THIS ADDENDUM (including attachments): **33**



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**PART A - BIDDING AND CONTRACT REQUIREMENTS**

2.1 NA

**PART B - TECHNICAL REQUIREMENTS**

2.2 REFER to the attached for product specifications

**PART C – DRAWINGS**

2.3 REPLACE the following sheets:

- A1.0 Site Plan, Enlarged Site Details & Path of Travel – Addendum 2
- A2.1 Demo / New Floor Plans, Exiting Plan and Schedules - Addendum 2 -
- A2.8 New Reflected Ceiling Plan - Addendum 2
- E1.2 Panel Schedules – Addendum 2 – Delta 8 & 9
- E3.2 Second Floor Plan – Power & Signal –Addendum 2 – Delta 8 & 9

2.4 REFER to the following sheets as reference:

- Fire Sprinkler Drawings FP0.0, FP2.1, FP2.2 – Addendum 2 – For Reference
- Plumbing Drawings – ASI #01 – Sheets M0.1, M2.1, M2.2, P0.1, P2.1, P2.2) For Reference

**PART D – BIDDERS QUESTIONS**

2.5 REFER TO FOLLOWING BIDDER’S RFI’S

**NOTE – Questions 1 – 16 were answered in Addendum #1:**

**QUESTION #17:** On page A2.8 it notes all T-bar is existing and only one spot where it notes some repair work is needed. On M2.2 there are new ducts and equipment required in multiple rooms. Can a demo page be provided for the T-bar showing the extent of how much T-bar is needed to be demoed for the new ductwork?

**Response:** The mechanical duct work is identified and it is up to the contractors “means and methods” of working with the existing T-Bar ceiling system. See attached SD 2.1 /Addendum #2 for T-Bar coordination.

**QUESTION #18:** On E3.2 key note 9 - Refers to sheets E2.1B for exact control quantities and types. That page is not included in the bid set.



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**Response:** Reference is to sheet E2.2A, delete keynote 9.

**QUESTION #19:** Are there any specifications for this project? A. no specs for the lighting, HVAC, etc.

**Response:** No, separate specifications are provided all mechanical and electrical work is noted per the consultant's drawings.

**QUESTION #20:** Page E3.2 shows a lot of new outlets throughout the space. Are we able to use cut in boxes for all of this or will EMT be required for all in wall conduits?

**Response:** Cut Boxes can be used.

**QUESTION #21:** Is there any fire sprinkler and alarm work? Per the scope of work, it notes Fire Sprinkler but no plans provided. If so please provide plans for this.

**Response:** Existing Fire Sprinkler drawings are attached SD- F0.0, FP2.1 and FP2.2 Addendum #2 for new sprinkler coordination.

**QUESTION #22:** If no plans are provided for the FS and FA. Will that be a design build for the contractor? If so please send us as built of the existing space.

**Response:** The fire sprinkler work will be design build. No Fire Alarm drawings are available.

**QUESTIONS #23:** Please clarify what, if any, attic stock is available for our use.

Please provide specifications, if available, for the carpet, ceiling tiles, doors, hardware and any other finishes we are to provide.

There is no finish schedule for what is wanted for flooring, paint colors, T-bar ceiling, door hardware etc. Please provide a spec so we know exactly what kind of materials are wanted.

**Response:** The Owner has approximately 144 SF of carpet tiles that can be used for this project. See attached Phase 1 for submittal products (Attachment 2.13) and Sheet A2.1 Addendum #2. Owner has carpet tiles, ceiling tiles and paint that can possibly applied to this project. See revised Sheet A2.1 addressing hardware revisions.

**QUESTION #24:** Please confirm the contractor is not responsible for any cabinets in the new offices.

**Response:** There are no cabinets in the scope of work.



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**QUESTION #25:** Is the contractor responsible for any signs at the new offices?

**Response:** No

**QUESTION #26:** On M1.2 on the upper right side it shows demo of the area. Then on M2.2 it shows new offices and HVAC that is not shown on the architectural sheets. Are these offices already there? Is this HVAC already there?

**Response:** A/M1.2 is an existing demolition plan and existing offices match 1/A2.1.A/ M2.2 new offices shown matches 2/A2.1 offices.

**QUESTION #27:** For the work that is being done for the HVAC & Electrical outside of the Open Roof 221 (i.e. E3.2 showing all the outlets throughout the suite & M2.2 showing all new ductwork & equipment). Will the tenant be fully moved out of the area? We will have to open walls, T-bar ceilings because we cannot complete that work in a single day. What is the expectation of the work? Also, will the tenant be moving everything out of the way?

**Response:** There will be no tenant furnishings or equipment in this area when the construction commences.

**QUESTION #28:** Can the exterior work for the canopy be installed during normal business hours since the work is occurring outside?

**Response:** Due to the entry points adjacent to the canopies that will need access for deliveries and people going to the STS lobby and the other entrance is an exit door; this work will need to be coordinated with the Owner and will likely need to occur on a weekend for installation.

**QUESTION #29:** Please confirm that the contractor is responsible for fire alarm and sprinkler modifications as deferred approvals. This is not listed on the plans.

**Response:** The contractor will be responsible for fire sprinkler and fire alarm work.

**QUESTION #30:** Please clarify if the Builder's risk will be required? If it is will it be for the whole building or just our scope of work? If for the whole building please provided the dollar amount we are to assume this to be?



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**Response:** Builders Risk “all -risk” is required for the replacement value of the current Tenant Improvement Project 26-01 per the General Conditions Article 6. This policy does not need to include earthquake and flood.

**QUESTION #31:** On sheet A2.8 is there work in the clouded area above the women's restroom? Gridlines C/5.

**Response:** No

**QUESTION #32:** Is there any work for notes 3 and 6 on A2.8? See gridline C. If yes, please provide note 6.

**Response:** See revised detail 3/A2.8 for full height wall for scope of work.

**QUESTION #33:** Please clarify the only interior work is shaded grey on A2.1. There is conflict in what appear to be new walls on gridline C and D.

**Response:** Only within the shaded area on Sheet A2.1 is the scope of work for this project.

**QUESTION #34:** Please provide the deck height for full height walls and kickers.

**Response:** Bottom of deck is 12'-0". Walls to extend to the underside of the deck per attached revised detail 3/A2.8.

**QUESTION #35:** Please clarify the contractor's x-ray requirements. Notes on SC5.1 indicate this is our obligation, but this appears to already be completed based on our job walk.

**Response:** X-ray of exterior wall reinforcing has been done per previous contract at awning locations.

**QUESTION #36:** Are any technical specifications available?

**Response:** All technical information is as per noted contract documents.

**QUESTION #37:** Are we making any improvements to the parking lot? See note 2 on A1.1 of the TI set?

**Response:** No improvements to the existing parking area.

**QUESTION #38:** Please clarify if detail 2 on A2.8 is new, as noted, or existing.



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**Response:** Detail is for any modifications required to existing suspended ceiling in coordination with new work.

**QUESTION #39:** Do we have access to the mechanical plumbing plans?

**Response:** See the attached sheets (M0.1 thru P2.2) for reference. Contractor will need to do field survey.

**QUESTION #40:** Are we installing new controls on the new VAV boxes and providing programming?

**Response:** Yes

**QUESTION #41:** Do we have access to the controls to test the system once VAV and relocated and connected?

**Response:** Yes, tie into existing BMS

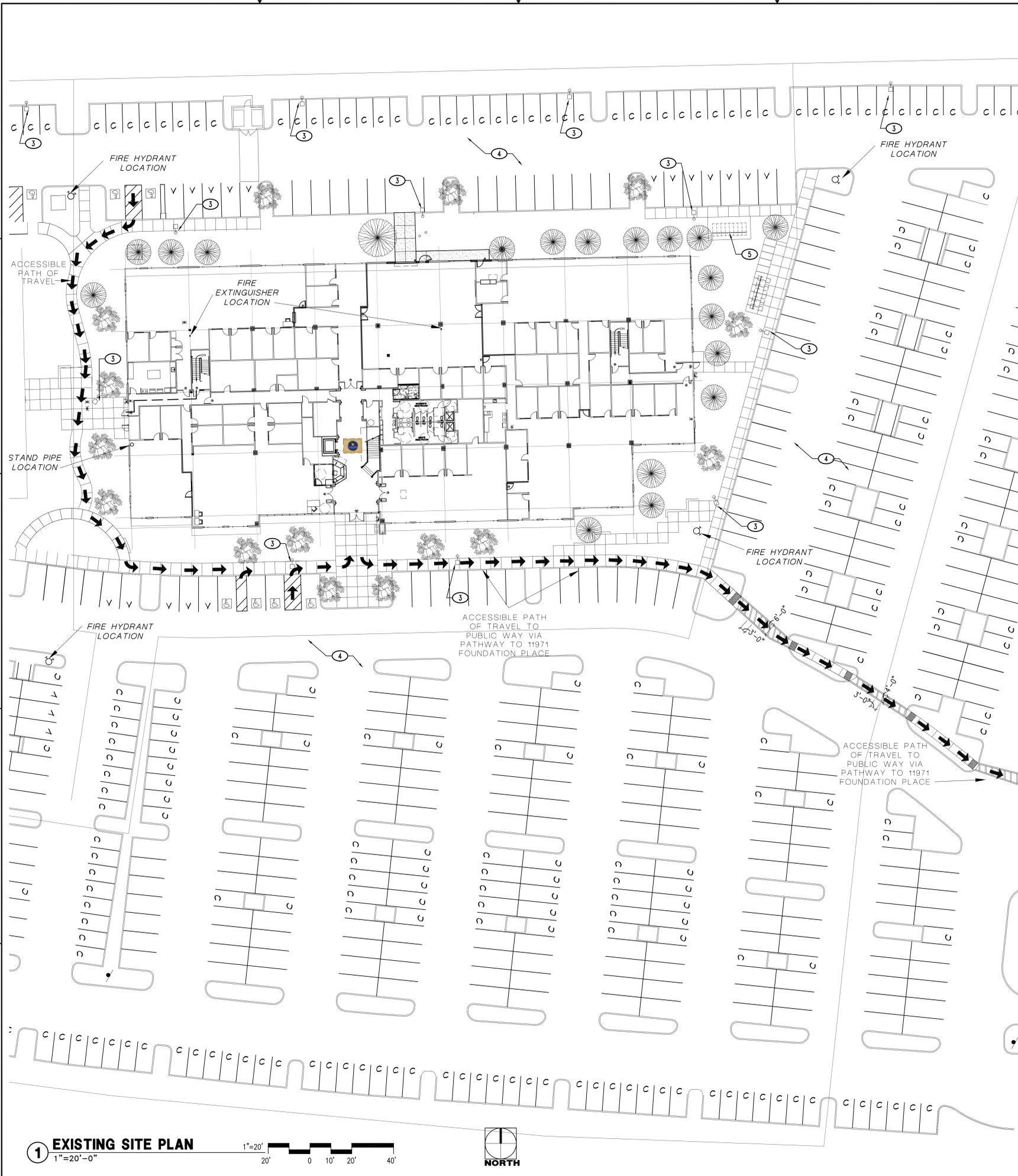
**QUESTION #42:** On the VAV schedule one of the new boxes on page M0.1 of the drawings is listed as 1-10 which would indicate it is on the first floor.

**Response:** 1-10 is existing, not new; that is the existing designation. The new box added is 2-33, which is clouded with DELTA-4 is in the scope of work. As this is change to existing project the other box listed on the schedule is for the previous project.

**List of Attachments**

- 2.6** Site Plan, Enlarged Site Details & Path of Travel – A1.0 - Addendum 2 (1 sheet)
- 2.7** Demo / New Floor Plans, Exiting Plan and Schedules - A2.1 – Addendum 2 - (1 sheet)
- 2.8** New Reflected Ceiling Plan - A2.8 - Addendum 2 (1 sheet).
- 2.9** Plumbing Drawings – ASI #01 – Sheets M0.1, M2.1, M2.2, P0.1, P2.1, P2.2) For Reference ( 6 sheet).
- 2.10** Panel Schedules – E1.2 – Addendum 2 – Delta 8 & 9 (1 sheet).
- 2.11** Second Floor Plan – Power & Signal – E3.2 – Addendum 2 – Delta 8 & 9 (1 sheet)
- 2.12** Fire Sprinkler Drawings FP0.0, FP2.1, FP2.2 – Addendum 2 – For Reference (3 sheets).
- 2.13** Product Specifications (13 pages).

**End of Addendum**

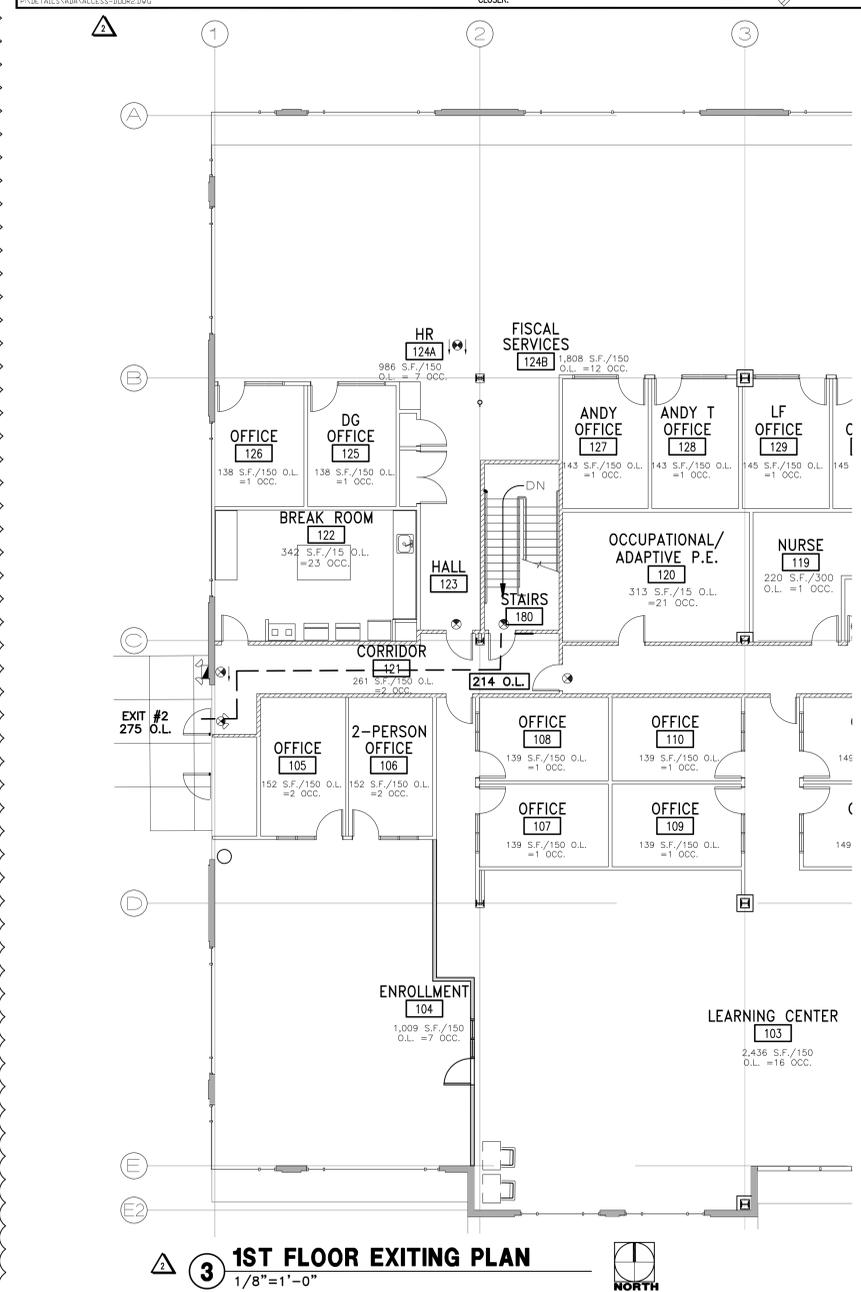
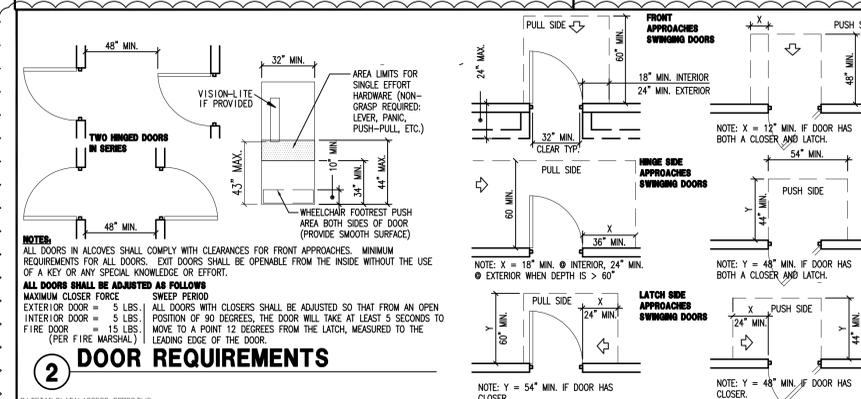


**1 EXISTING SITE PLAN**  
1"=20'-0"

**EGRESS**  
 → → → PATH OF TRAVEL MAX. 5% SLOPE DIRECTION OF TRAVEL, MAX. 2% CROSS SLOPE.  
 GENERAL NOTE:  
 THE P.O.T. OR ACCESSIBLE ROUTE SHALL BE:

- FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE;
- AT LEAST 48" IN WIDTH, OR AS APPROVED BY CODE;
- WITH A RUNNING SLOPE OF 1:20 OR LESS, AND A CROSS SLOPE OF 1:48 OR LESS;
- WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 1/4";
- RAMPED COMPLYING WITH 11B-405 WHERE CHANGES IN LEVEL ARE GREATER THAN 1/2";
- WITHOUT ABRUPT CHANGES IN LEVEL EXCEEDING 4" VERTICAL BETWEEN THE PEDESTRIAN WAY AND ADJACENT SURFACES;
- WHERE THE DIRECTION OF TRAVEL IS NOT DEFINED, A MAXIMUM SLOPE OF 1:48 IN ANY DIRECTION;
- FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE; AND, FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE.

- KEYNOTES**
- NOT USED
  - NOT USED
  - (E) LIGHT STANDARDS
  - (E) AC PAVING
  - (E) BIKE RACK AND CONCRETE PAD



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**VISIONS IN EDUCATION**  
**2nd FLOOR OFFICE T.I.L.**  
**11931 FOUNDATION PLACE**  
**GOLD RIVER, CA. 95670**

**SITE PLAN**  
**ENLARGED SITE,**  
**DETAILS & PATH**  
**OF TRAVEL**

REVISIONS

NO.	BLDG. DEPT. COMMENTS	DATE
1	1/13/2026	1/13/2026
2	2/24/2026	2/24/2026

DATE: DECEMBER 1, 2025  
 SCALE: AS NOTED  
 DRAWN BY:  
 JOB NO.: 22-19  
 SHEET:

**A1.0**

# OPENING SCHEDULE

OPENING NUMBER	DOOR			FRAME				DETAILS			HDWR GROUP	FIRE RATING	GLASS TYPE	REMARKS		
	W	H	T	TYPE	CONST.	W	H	TYPE	MATL.	HEAD					JAMB	SILL
219 (N)	3'-0"	8'-10"	1-3/4"	A	SCWD	3'-4"	9'-0"	A	TIMELY	4/A2.1	4&5/A2.1	-	2	20 MIN.	-	
220 (N)	3'-0"	8'-10"	1-3/4"	C	SCWD	5'-6"	9'-0"	C	TIMELY	4/A2.1	4&5/A2.1	-	1	-	-	
222 (E)(R)	3'-0"	8'-10"	1-3/4"	C	SCWD	5'-6"	9'-0"	C	TIMELY	4/A2.1	4&5/A2.1	-	1	-	-	RE-USE FROM SAME OFFICE
223 (E)(R)	3'-0"	8'-10"	1-3/4"	C	SCWD	5'-6"	9'-0"	C	TIMELY	4/A2.1	4&5/A2.1	-	1	-	-	RE-USE FROM SAME OFFICE
224 (N)	3'-0"	8'-10"	1-3/4"	C	SCWD	5'-6"	9'-0"	C	TIMELY	4/A2.1	4&5/A2.1	-	1	-	-	
225 (N)	3'-0"	8'-10"	1-3/4"	C	SCWD	5'-6"	9'-0"	C	TIMELY	4/A2.1	4&5/A2.1	-	1	-	-	
226A (N)	3'-0"	8'-10"	1-3/4"	A.1	SCWD	3'-2"	9'-0"	A.1	TIMELY	5/A2.1	5/A2.1	-	1	-	-	

## OPENING ABBREVIATIONS

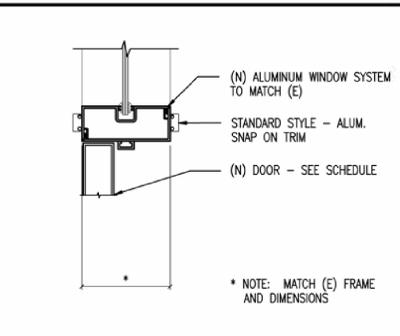
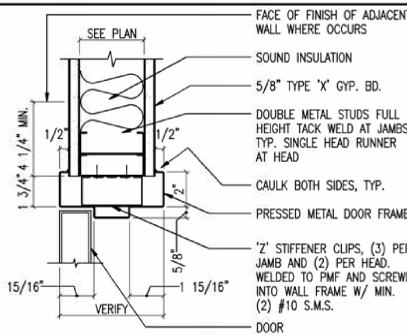
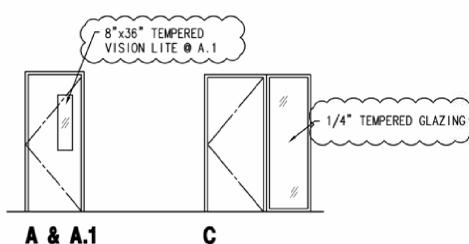
AL/GL = ALUMINUM AND GLASS  
 HCD = HOLLOW CORE WOOD DOOR  
 HM/INSUL = HOLLOW METAL INSULATED DOOR  
 IN/TP = INSULATED AND TEMPERED GLASS  
 INSUL = INSULATED GLASS  
 M.WALL = MOVEABLE WALL PANELS  
 PM = PRESSED METAL  
 R = RELOCATED  
 SCWD = SOLID CORE WOOD DOOR  
 TEMP = TEMPERED GLASS  
 VL/GL = VINYL AND GLASS  
 WD = WOOD CASING TRIM

## HARDWARE GROUPS (ALL HARDWARE TO MATCH (E) FINISHES)

**GROUP #1**  
 3 EA. BB BUTT HINGES  
 1 EA. LEVER HANDLE LOCKSET  
 1 EA. WALL STOP

**GROUP #2**  
 3 EA. BB BUTT HINGES  
 1 EA. LEVER HANDLE LOCKSET  
 1 EA. DOOR CLOSURE  
 1 EA. WALL STOP  
 1 EA. KICK PLATE

## DOOR TYPES



- ### KEYNOTES
- (N) DOOR/WINDOW FRAMES
  - (N) PARTITION WALL
  - (N) WALL INFILL
  - (N) DOOR AND SIDELIGHT
  - (E) STRUCTURAL COLUMN
  - (N) RELOCATED DOOR/WINDOW CONFIGURATION
  - (E) DOOR PER (TABLE 11B-404.2.4.1.) FROM PUSH SIDE 48" PERPENDICULAR AND 0" BEYOND DOOR WIDTH BEYOND LATCH SIDE SHOWN DASHED
  - SEE (E) STAIRWAY WIDTHS TABLE
  - (E) WALL TO BE REMOVED
  - (E) DOOR, HARDWARE AND SIDELITE TO BE REMOVED AND STORED TO BE RE-USED
  - (E) DOOR AND HARDWARE TO BE REMOVED AND STORED FOR RE-USE.
  - EXISTING WALL PORTION TO BE REMOVED
  - (E) FLOOR TILE TO BE REMOVED AND SUBSTRATE TO BE PREPARED FOR INSTALLATION OF (N) CARPET TILE TO MATCH (E) PER OWNER STOCK PILE
  - REMOVE (E) DOOR AND FRAME TO (N) WALL JAMB LOCATION
  - AREA OF (N) CARPET TILE - SEE FINISH SCHEDULE

- ### WALL TYPES
- (E) EXTERIOR TILT UP CONCRETE WALL W/ 2 1/2" METAL STUD FURING
  - (E) 1 HR-WALL
  - (E) 3 5/8" 20 GA. METAL STUDS @ 24" O.C.
  - (N) 3 5/8" 20 GA. METAL STUDS @ 24" O.C. WITH ACOUSTIC BATT INSULATION
  - (E) 1 HR WALL - 3 5/8" 20 GA. METAL STUDS @ 16" O.C. W/SOUND INSULATION & 5/8" TYPE 'X' GYP. BD. EA. SIDE TO BOTTOM OF STRUCT. ABOVE
- ### (E) STAIRWAY WIDTHS
- = 214 O.L. x 0.2 = 42.8" REQUIRED / 48" PROVIDED
  - = 213 O.L. x 0.2 = 42.6" MIN. REQUIRED / 48" PROVIDED

## FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				WAINSCOT		CEILING		REMARKS
				NORTH	EAST	SOUTH	WEST	FINISH	HEIGHT	FINISH	HEIGHT	
218	LOBBY	01	11 / 12	31/P-132/P-1	31/P-131/P-1	-	-	-	-	41	(E)	3,4,5,6
219	COPY / SUPPLY	02	11 / 12	31/P-131/P-1	31/P-131/P-1	-	-	-	-	41	(E)	4,5,6
220	OFFICE	01	11 / 12	31/P-131/P-2	32/P-1	-	-	-	-	41	(E)	4,5,6
221	OPEN OFFICE	01	11 / 12	31/P-132/P-1	31/P-131/P-1	-	-	-	-	41	(E)	4,5,6
222	OFFICE	01	11 / 12	32/P-131/P-2	31/P-1	-	-	-	-	41	(E)	4,5,6
223	OFFICE	01	11 / 12	31/P-131/P-132/P-2	31/P-1	-	-	-	-	41	(E)	4,5,6
224	OFFICE	01	11 / 12	31/P-131/P-132/P-2	32/P-1	-	-	-	-	41	(E)	4,5,6
225	OFFICE	01	11 / 12	32/P-131/P-132/P-2	32/P-1	-	-	-	-	41	(E)	4,5,6
226	OFFICE	01	11 / 12	32/P-131/P-131/P-1	-	-	-	-	-	41	(E)	4,5,6

## FINISH LEGEND

**FLOOR**

01 (N) CARPET TILE (OWNERS STOCK PILE)  
 02 (E) VCT (VINYL COMPOSITION TILE)

**BASE**

11 (N) 6" RUBBER BASE  
 12 (E) BASE TO REMAIN (AT DOOR)

**WALL**

31 (E) GYP. BD. SMOOTH  
 32 (N) GYP. BD. (LEVEL 4)

**WAINSCOT**

- (NOT) USED

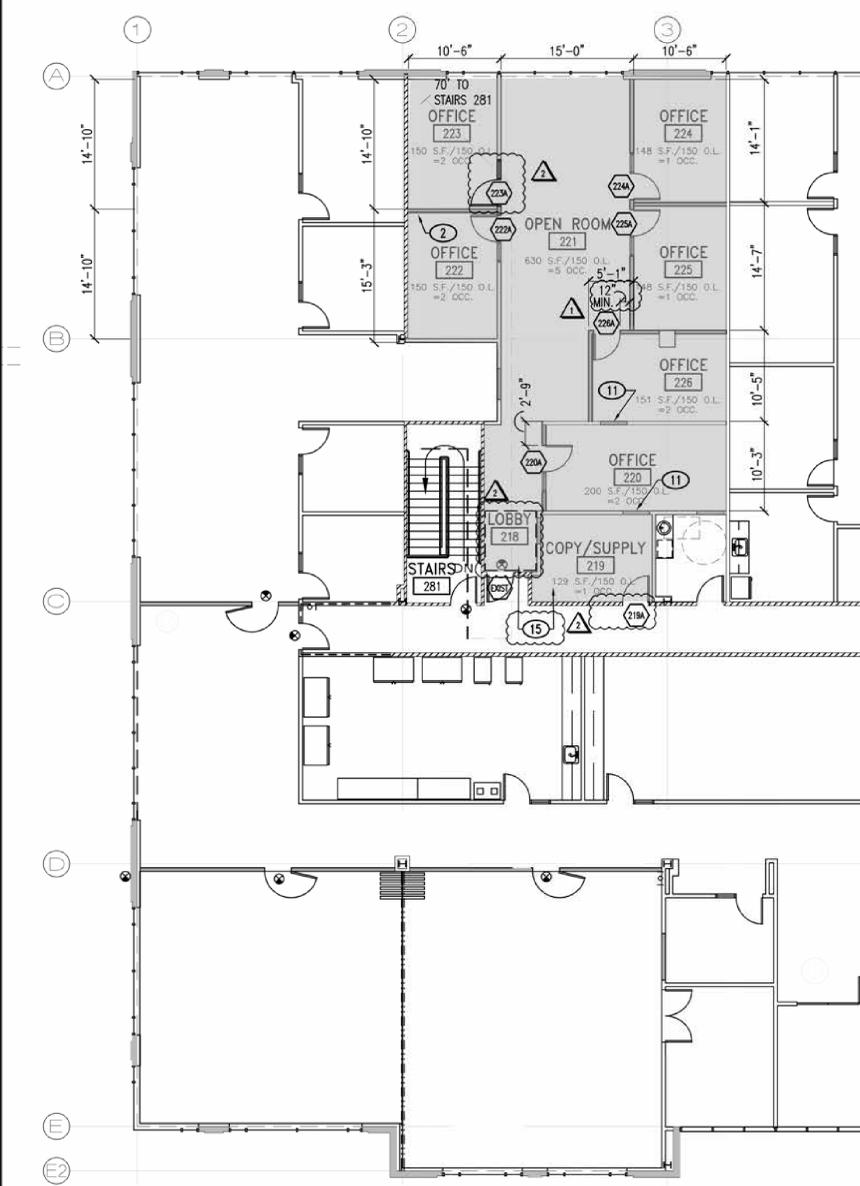
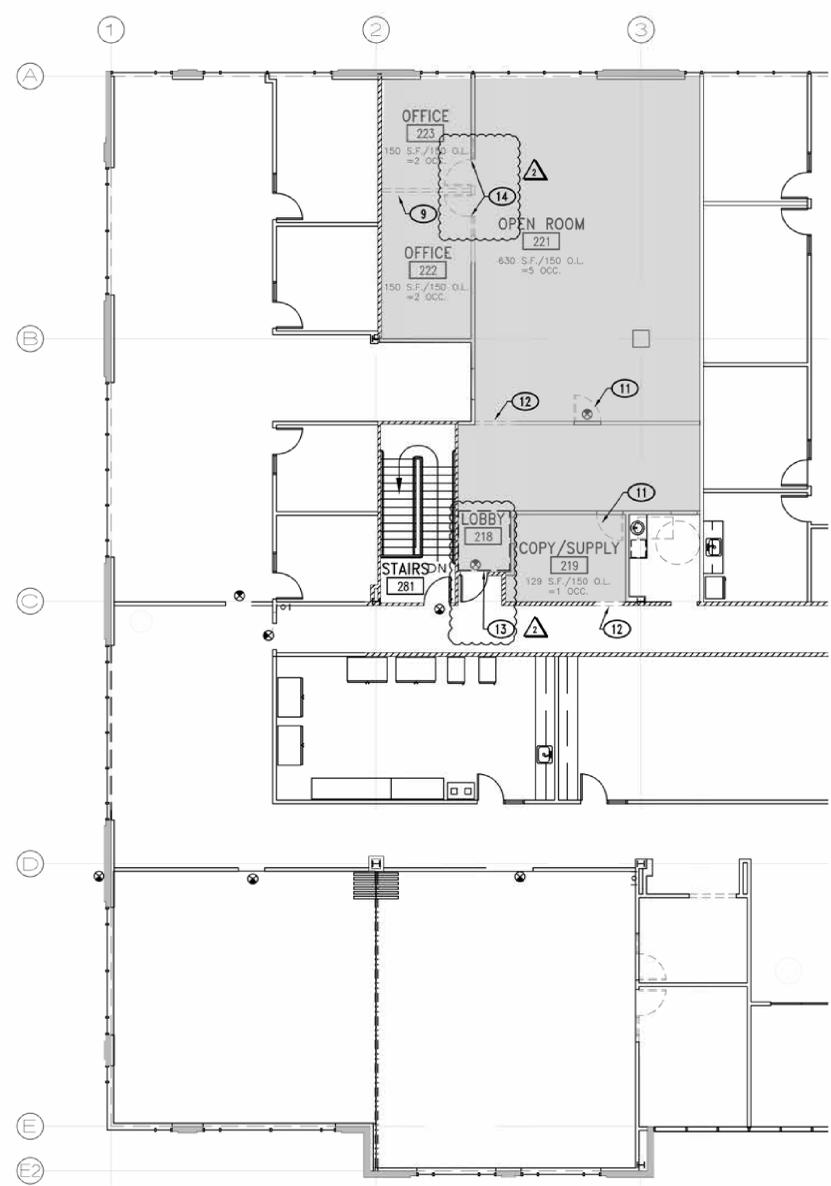
**CEILING**

41 (E) SUSPENDED CEILING SYSTEM

**FINISHES**

P1 - ACOUSTIC OFF WHITE (DUNN EDWARDS)  
 P2 - DINOSAUR EGG (TAN) (DUNN EDWARDS)

- ### REMARKS
- CONTRACTOR / PAINT SUBCONTRACTOR TO HOLD PREFINISH MEETING TO CONFIRM ACCENT WALLS PRIOR TO PAINT
  - INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723. SUCH INTERIOR FINISH MATERIALS FOR ROOMS AND ENCLOSED SPACES SHALL BE CLASS C, FLAME SPREAD INDEX 76-200; SMOKE-DEVELOPED INDEX 0-450 PER 2024 CBC 803.1.2
  - REPLACE REMOVED TILE FLOOR W/ (N) CARPET TILE FROM OWNERS STOCK PILE
  - TOUCH UP WALL AS REQUIRED IN AREA OF (N) WORK
  - ADJUST (E) SUSPENDED CEILING SYSTEM AS REQUIRED PER (N) WORK. REPLACE CEILING TILES AS REQUIRED FROM OWNERS STOCK PILE
  - PROVIDE (N) CARPET TILE FROM OWNERS STOCK PILE IN AREAS OF (N) WORK AS REQUIRED



**GRA**  
 architect

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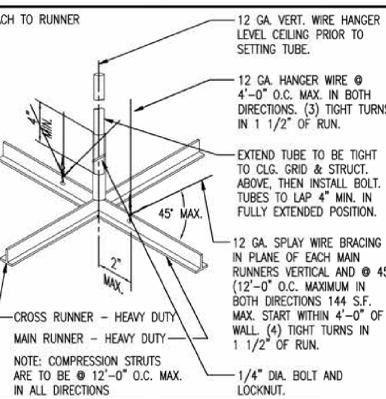
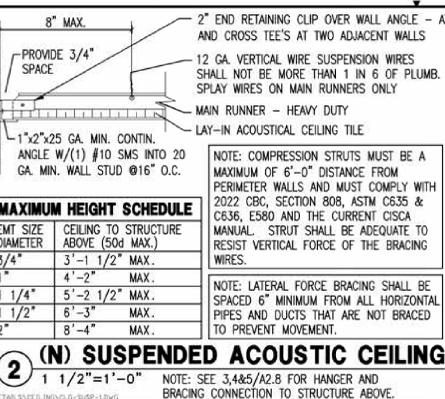
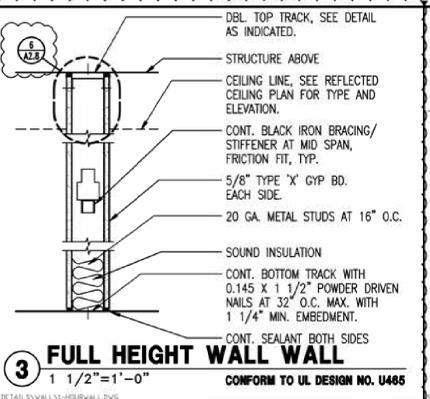
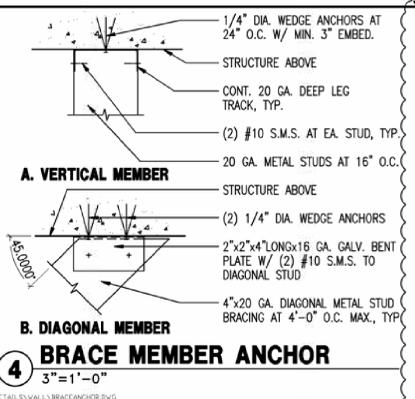
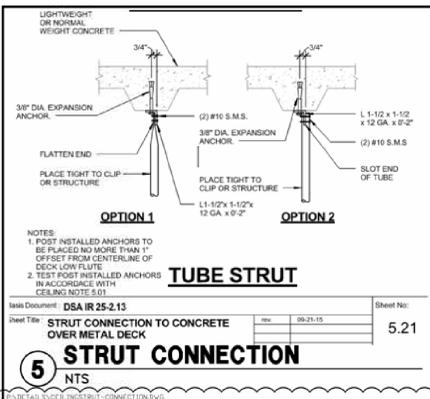
**VISIONS IN EDUCATION**  
**2nd FLOOR OFFICE T.I.**  
**11931 FOUNDATION PLACE**  
**GOLD RIVER, CA. 95670**

## DEMO/NEW FLOOR PLANS, EXITING PLAN AND SCHEDULES

REVISIONS

NO.	BLDG. DEPT. COMMENTS	DATE
1		1/13/2026
2		2/24/2026

DATE: **DECEMBER 1, 2024**  
 SCALE: **AS NOTED**  
 DRAWN BY: \_\_\_\_\_  
 JOB NO.: **22-19**  
 SHEET: \_\_\_\_\_

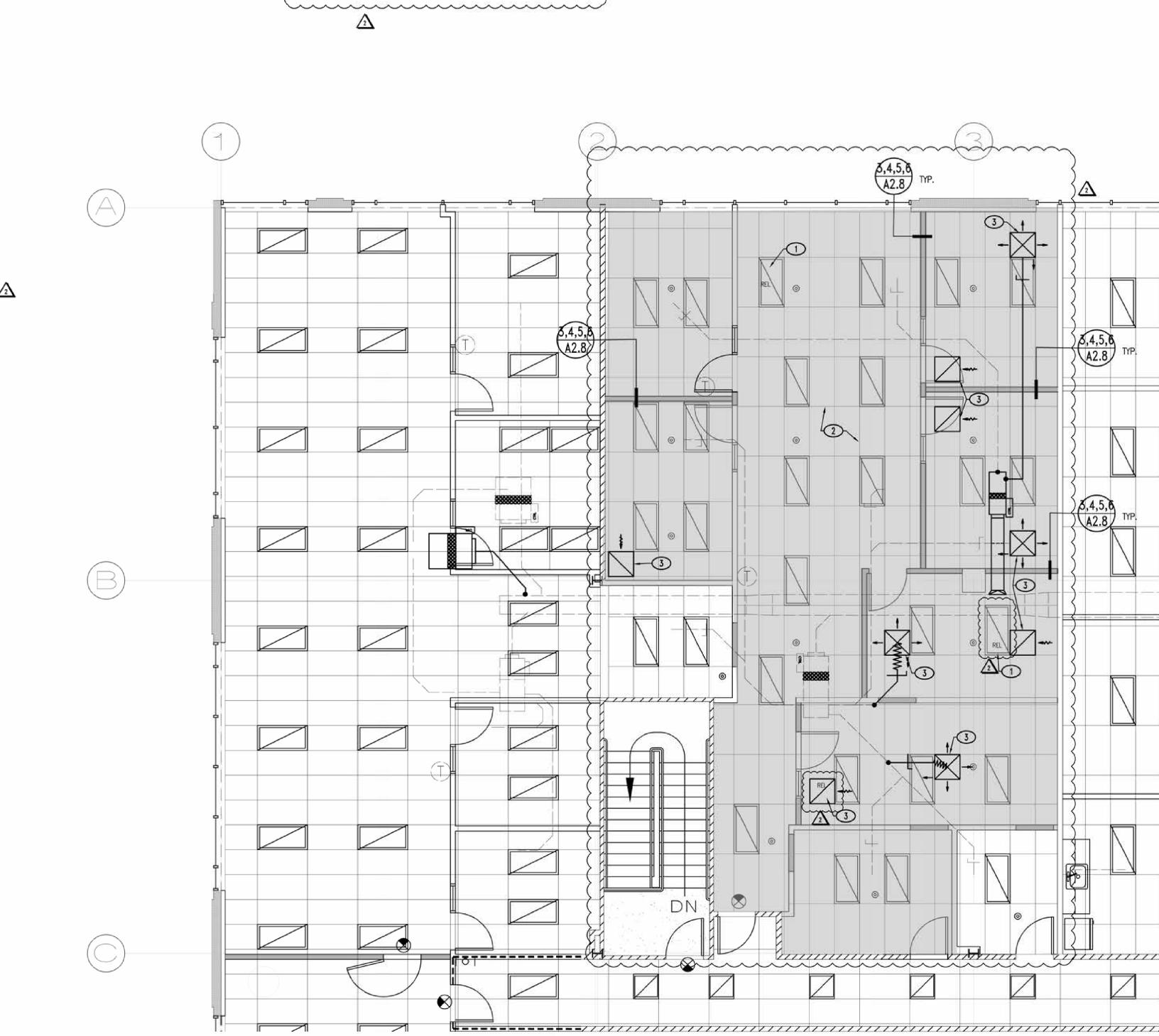
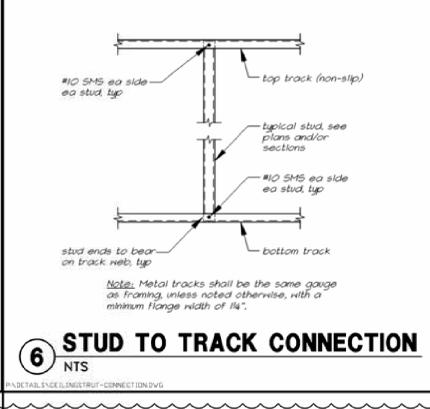


**KEYNOTES**

- RELOCATED LIGHT FIXTURE
- EXISTING SUSPENDED CEILING
- NEW MECHANICAL DIFFUSER

**CEILING LEGEND**

- HARD LID CEILING
- 2X4 SUSPENDED ACOUSTIC CEILING W/ 2X2 SECOND LOOK CEILING TILES - SEE 2/A2.8
- LIGHT FIXTURES - SEE ELECTRICAL
- RELOCATED LIGHT FIXTURES - SEE ELECTRICAL
- EXIT SIGNS - SEE ELECTRICAL
- MECHANICAL DIFFUSERS - SEE MECHANICAL
- FIRE SPRINKLER
- FIRE STROBE



**VISIONS IN EDUCATION**  
**2nd FLOOR OFFICE T.I.**  
1931 FOUNDATION PLACE  
GOLD RIVER, CA. 95670

**NEW REFLECTED CEILING PLAN**

REVISIONS

△	BLDG. DEPT. COMMENTS	1/13/2026
△	ADDENDUM #2:	2/24/2026

DATE: DECEMBER 1, 2024  
SCALE: AS NOTED  
DRAWN BY: -  
JOB NO.: 22-19  
SHEET:



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**VISIONS IN EDUCATION  
TENANT IMPROVEMENT  
1931 FOUNDATION PLACE  
GOLD RIVER, CA. 95670**



**MECHANICAL  
LEGEND,  
SCHEDULES &  
NOTES**

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REVISIONS  
 Δ ASI #1 07/29/2024

DATE **JANUARY 31, 2024**  
 SCALE **AS NOTED**  
 DRAWN BY **T&A**  
 JOB NO. **22-10**  
 SHEET

**MO.1**

NEW VAV BOX SCHEDULE																
SYMBOL	MANUFACTURER	MODEL	SERVED BY	INLET SIZE	MAX. CFM	MIN. CFM	COIL ROWS	GPM	EWT	MAX. WPD	MBH	LAT	VALVE (TYPE)	MAX. APD (N. WG.)	UNIT WEIGHT	REMARKS
	TITUS	DESV	AHU-1	9	850	350	2	2.0	180	0.47	22.7	--	2-WAY	0.27	25 LBS	RECONNECT (E) HWS & HWR PIPING RECONNECT (E) CONTROLS
	TITUS	DESV	AHU-1	9	750	250	2	2.0	180	0.47	16.4	--	2-WAY	0.24	25 LBS	RECONNECT (E) HWS & HWR PIPING RECONNECT (E) CONTROLS
	TITUS	DESV	AHU-2	14	2000	750	2	2.0	180	0.39	41.8	--	2-WAY	0.41	40 LBS	RECONNECT (E) HWS & HWR PIPING RECONNECT (E) CONTROLS
	TITUS	DESV	AHU-2	12	1200	450	2	2.0	180	0.55	28.8	--	2-WAY	0.07	35 LBS	RECONNECT (E) HWS & HWR PIPING RECONNECT (E) CONTROLS

EXHAUST FAN SCHEDULE																
SYMBOL	MANUFACTURER	MODEL	CFM	ESP	SONES (MAX.)	FAN TYPE	CLASS	DRIVE	FAN				MOTOR		OPERATING WEIGHT LBS.	REMARKS
									RPM	BHP	HP	VOLTS	PH	HZ		
	GREENHECK	SP-B110	75	0.75	2.5	CEILING	1	DIRECT	753	.05	1/4	120	1	60	12	PREMIUM-EFFICIENT MOTOR 2,3,4
	GREENHECK	SP-B110	75	0.75	2.5	CEILING	1	DIRECT	753	.05	1/4	120	1	60	12	PREMIUM-EFFICIENT MOTOR 1,2,4

PROVIDE  
 1. ROOF CAP  
 2. BACK DRAFT DAMPER.  
 3. WALL CAP.  
 4. INTERLOCK W/LIGHTS

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

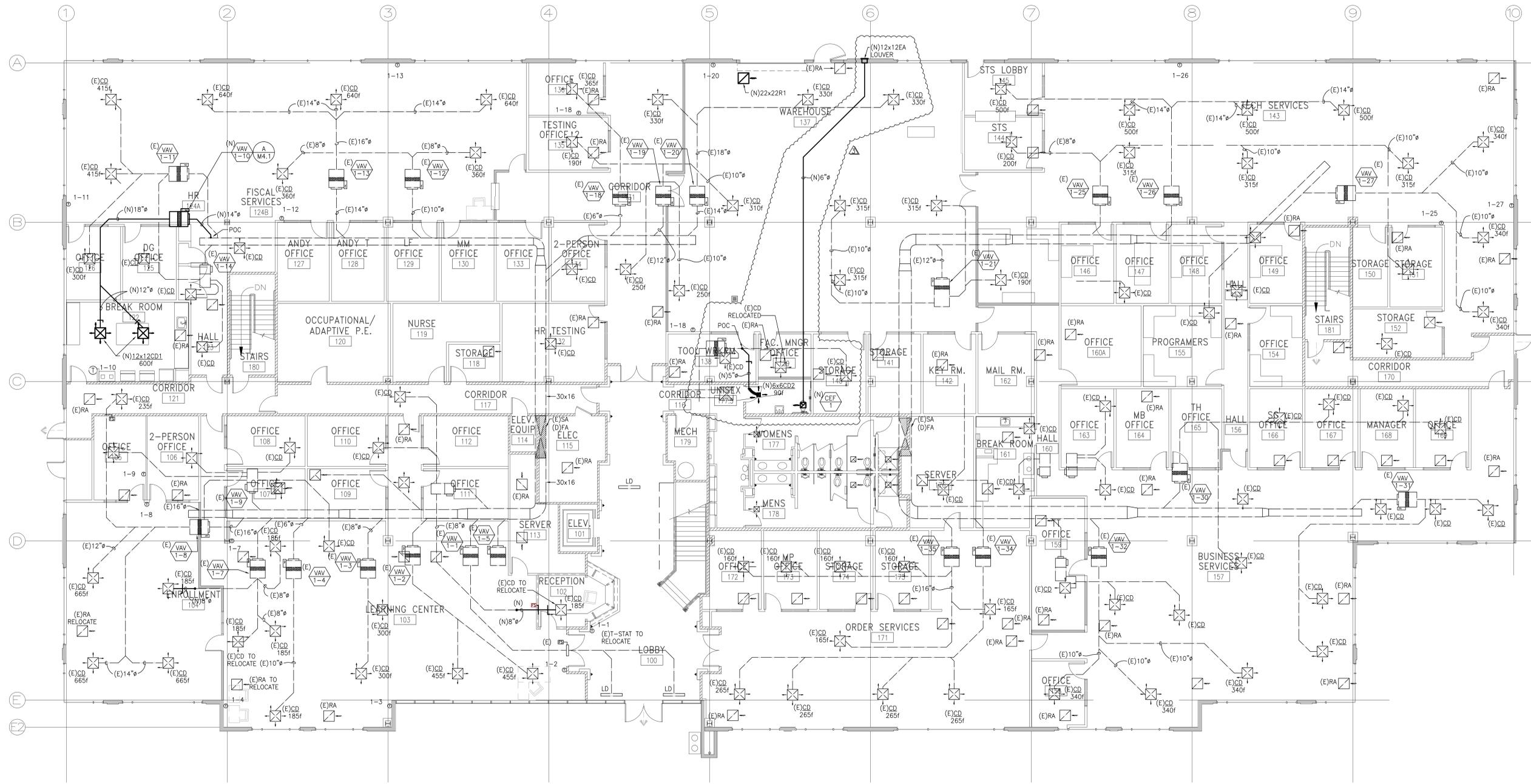
COMPLIANCE NOTES	
MECHANICAL AND PLUMBING EQUIPMENT SHALL CONFORM TO THE FOLLOWING AS STATED IN THE ENERGY EFFICIENCY STANDARDS, 2022.	
1.	BE CERTIFIED BY THE MANUFACTURER AS COMPLYING WITH THE EFFICIENCY REQUIREMENTS AS PRESCRIBED IN SECTIONS:
110.1	APPLIANCES REGULATED BY THE APPLIANCE EFFICIENCY STANDARDS:
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: 120.2 (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

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: 2022 EDITION OF THE CALIFORNIA BUILDING CODE. 2022 EDITION OF THE CALIFORNIA ELECTRICAL CODE. 2022 EDITION OF THE CALIFORNIA MECHANICAL CODE. 2022 EDITION OF THE CALIFORNIA PLUMBING CODE. 2022 EDITION OF THE CALIFORNIA ENERGY CODE.
B)	NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) LIFE SAFETY CODE, CR.

MECHANICAL LEGEND	
	UNIT TYPE
	UNIT NUMBER
	DETAIL NUMBER
	SHEET NUMBER ON WHICH DETAIL IS FOUND
	SECTION NUMBER
	SHEET ON WHICH SECTION IS FOUND
	ACOUSTICALLY LINED DUCT - DIMENSIONS ARE OUTSIDE
	BRANCH TAKE-OFF WITH SPLITTER DAMPER & W/ THROAT SIZE AS INDICATED. TRANSITION TO DUCT SIZES SHOWN.
	DUCT RISE (DROP) IN DIRECTION OF AIR FLOW
	DUCT - WIDTH x DEPTH
	LATERAL WITH CONICAL TRANSITION TO DUCT SIZES INDICATED
	CONICAL TEE FROM RECTANGULAR TO ROUND BRANCH
	45° ENTRY TEE, RECTANGULAR BRANCH, RECTANGULAR MAIN
	45° WYE, CONICAL MAIN AND BRANCH WITH 45° ELBOW, BRANCH 90° TO MAIN
	TEE WITH ADJUSTABLE EXTRACTOR, RECTANGULAR MAIN, RECTANGULAR BRANCH
	RADIUS ELL. SEE SPECS.
	SQUARE ELL WITH TURNING VANES
	TRANSITION ROUND TO RECTANGULAR
	VERTICAL DUCT RISE OR DROP
	DUCTS, PIPES, OR EQUIPMENT TO BE REMOVED
	DUCT DROP OR RISE THRU ROOF OR FLOOR
	RETURN, OUTSIDE, OR EXHAUST AIR DUCT
	SUPPLY DUCT
	ACCESS DOOR
	AUTOMATIC CONTROL DAMPER
	MANUAL AIR DAMPER
	VOLUME DAMPER WITH REMOTE BALANCING DEVICE
	FIRE DAMPER
	FIRE SMOKE DAMPER
	SMOKE DETECTOR
	DUCT STATIC PRESSURE SENSOR
	THERMOSTAT, MOUNT ALL T-STAT AT MAX. 48" AFF
	HUMIDISTAT OR HUMIDITY/TEMPERATURE SENSOR, AT 48" AFF
	HOT WATER SUPPLY
	HOT WATER RETURN
	HOT GAS LINE
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	BALANCING VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	FLEXIBLE CONNECTION
	FLOW SENSOR
	GATE VALVE
	PET'S PLUG
	SHUT OFF COCK
	PRESSURE GAUGE
	PRESSURE REDUCING VALVE
	REDUCER
	PRESSURE & TEMPERATURE RELIEF VALVE
	SHUT OFF VALVE
	SIGHT GLASS
	STRAINER
	STRAINER & DRAIN VALVE WITH HOSE FITTING
	SOLENOID VALVE
	THERMOMETER
	TWO WAY CONTROL VALVE
	THREE WAY CONTROL VALVE
	UNION

**GENERAL NOTES**

① RECONNECT (E) HWS AND HWR TO (N) VAV REHEAT COIL.  
SEE (D) M4.1 FOR DETAIL. RECONNECT (E) CONTROLS.



**FIRST FLOOR — NEW  
MECHANICAL PLAN**  
SCALE: 1/8" = 1'-0"



205 23rd Street, Suite 130  
Sacramento, CA 95816  
916 498-7900



**VISIONS IN EDUCATION  
TENANT IMPROVEMENT  
1931 FOUNDATION PLACE  
GOLD RIVER, CA. 95670**

<b>TURLEY &amp; ASSOCIATES</b> MECHANICAL ENGINEERING GROUP, INC.	
3431 Capital Avenue Sacramento, CA 95834	(916) 325-1000 FAX: (916) 325-1015 Email: info@turley.com
Project Engineer: EP	Job Number: 22021
Project Manager: TF	Plot Date: Aug 23, 2024 - 8:17am
Project Designer: LC	Logic: L204

**MECHANICAL  
FIRST FLOOR  
PLAN**

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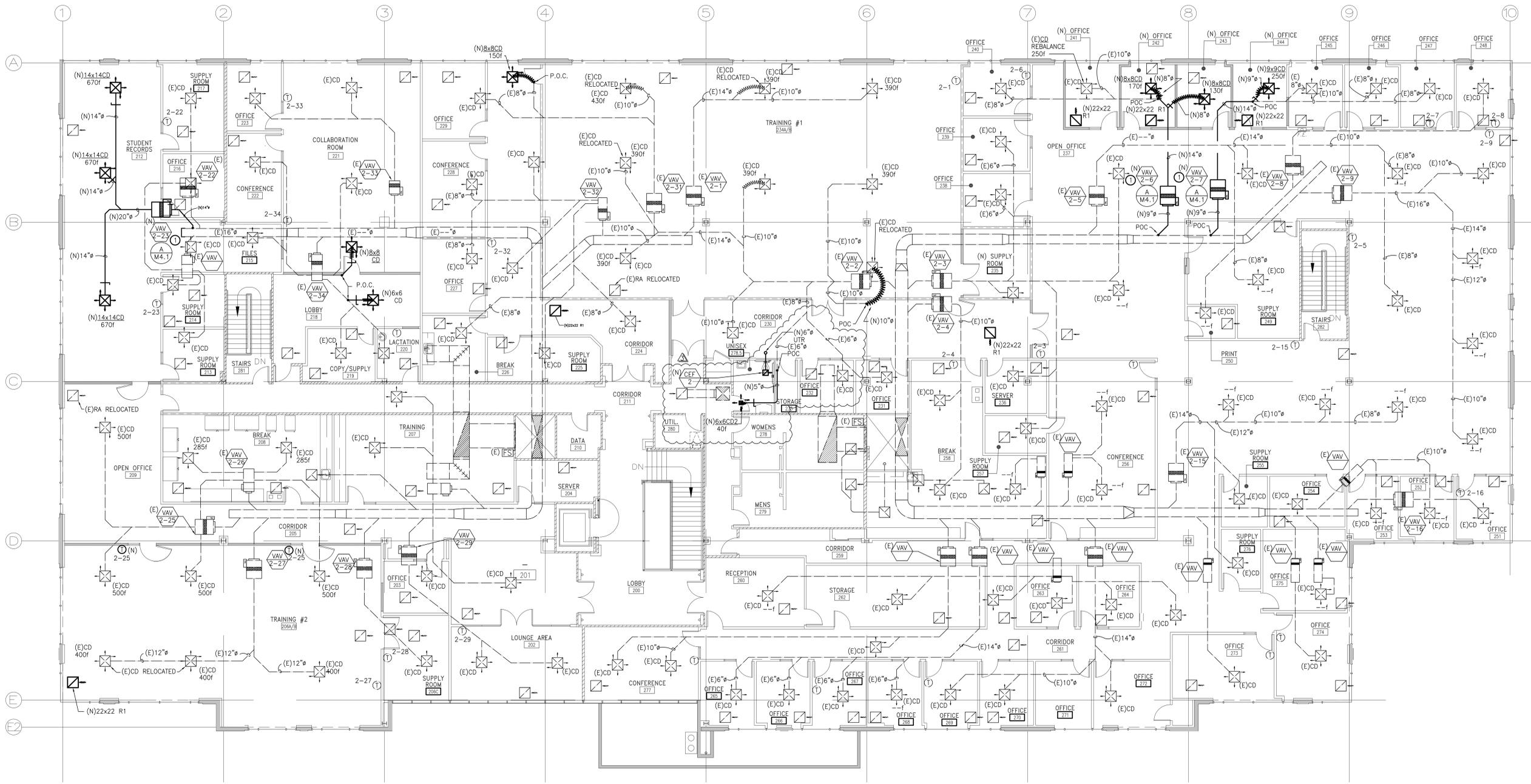
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SHEET	

**M2.1**

**GENERAL NOTES**

① RECONNECT (E) HWS AND HWR TO (N) VAV REHEAT COIL.  
SEE **D** M4.1 FOR DETAIL RECONNECT (E) CONTROLS.



**SECOND FLOOR – NEW MECHANICAL PLAN**  
SCALE: 1/8" = 1'-0"



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11931 FOUNDATION PLACE  
GOLD RIVER, CA. 95670**

<b>TURLEY &amp; ASSOCIATES</b> MECHANICAL ENGINEERING GROUP, INC.	
2411 Capitol Avenue Sacramento, CA 95833	PH: 916 225-2525 FAX: 916 225-2524 Email: info@turleyandassociates.com
Project Engineer: [Name]	Job Number: 20251
Project Manager: [Name]	Plot Date: Aug 23, 2024 8:28am
Project Engineer: [Name]	Logic: LDC

**MECHANICAL SECOND FLOOR PLAN**

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**M2.2**

### GENERAL PIPE SUPPORT SCHEDULE

GENERAL NOTES:  
1. SEE TABLE BELOW FOR GENERAL PIPE HANGER SPACING AND ROD SIZES.

HORIZONTAL STEEL PIPE		
NOMINAL PIPE SIZE	ROD DIAMETER	MAXIMUM SPACING
1/2 - 1 1/4	3/8	7'0"
1 1/2	3/8	9'0"
2	3/8	10'0"
2 1/2	1/2	11'0"
3	1/2	12'0"
4	5/8	12'0"
5	5/8	12'0"
6	3/4	12'0"
8	3/4	12'0"
10	3/4	12'0"
12	3/4	12'0"

HORIZONTAL COPPER PIPE		
NOMINAL PIPE SIZE	ROD DIAMETER	MAXIMUM SPACING
1/2 - 3/4	3/8	5'0"
1	3/8	6'0"
1 1/4	3/8	6'0"
1 1/2	3/8	6'0"
2	3/8	8'0"
2 1/2	1/2	9'0"
3	1/2	10'0"
4	1/2	12'0"
5	1/2	12'0"
6	3/4	12'0"
8	3/4	12'0"

- NOTES:  
1. PROVIDE MEANS OF PREVENTING DISSIMILAR METAL CONTACT SUCH AS FELT OR NON ADHESIVE ISOLATION TAPE. GALVANIZED FELT ISOLATORS SIZED FOR COPPER TUBING MAY ALSO BE USED, TOLCO FIG.83.  
2. SUPPORT HORIZONTAL CAST IRON ADJACENT TO EACH HUB, WITH 7 FEET MAXIMUM SPACING BETWEEN HANGERS.  
3. INSTALL HANGERS TO PROVIDE A MINIMUM OF 1/2 INCH SPACE BETWEEN FINISHED COVERING AND ADJACENT WORK.  
4. HANGERS SHALL BE INSTALLED WITHIN 18" OF EACH HORIZONTAL ELBOW.

### PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE NAME	SYMBOL	VENT	WASTE		COLD WATER		HOT WATER	
			BR	RI	BR	RI	BR	RI
FLOOR DRAIN	FD	2"	2"	2"	-	-	-	-
ICE MAKER	IM	-	-	-	3/4"	1/2"	-	-
SINK	S	1 1/2"	2"	1 1/2"	3/4"	1/2"	3/4"	1/2"
FLOOR SINK	FS	2"	2"	2"	-	-	-	-

### 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,  
2022 EDITION OF THE CALIFORNIA BUILDING CODE,  
2022 EDITION OF THE CALIFORNIA ELECTRICAL CODE,  
2022 EDITION OF THE CALIFORNIA FIRE CODE,  
2022 EDITION OF THE CALIFORNIA MECHANICAL CODE,  
2022 EDITION OF THE CALIFORNIA PLUMBING CODE.

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

### COMPLIANCE NOTES

MECHANICAL AND PLUMBING EQUIPMENT SHALL CONFORM TO THE FOLLOWING AS STATED IN THE ENERGY EFFICIENCY STANDARDS, 2022.

- BE CERTIFIED BY THE MANUFACTURER AS COMPLYING WITH THE EFFICIENCY REQUIREMENTS AS PRESCRIBED IN SECTIONS:  
111. APPLIANCES REGULATED BY THE APPLIANCE EFFICIENCY STANDARDS;  
112. HVAC EQUIPMENT EFFICIENCY AND PACKAGED CONTROLS;  
113. SERVICE WATER HEATING EFFICIENCY AND CONTROLS;  
114. POOL AND SPA HEATING EFFICIENCY AND CONTROLS;  
115. RESTRICTIONS ON PILOT LIGHTS;
- BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH SECTIONS:  
121. REQUIREMENTS FOR VENTILATION;  
122. REQUIRED CONTROLS FOR HVAC SYSTEMS;  
123. REQUIREMENTS FOR PIPE INSULATION;  
124. REQUIREMENTS FOR DUCT INSULATION;

### PIPING MATERIAL SCHEDULE

- 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.
- 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. DWI DRAINAGE TUBING AND FITTINGS ARE ACCEPTABLE WHEN APPROVED. CONDENSATE DRAINS SHALL BE TYPE L HARD COPPER, WITH LONG SWEEP ELBOWS AND CLEANOUT TEES AT EACH CHANGE IN DIRECTION. CONNECT CONDENSATE DRAINS TO AIR CONDITIONING UNITS WITH P-TRAP AND RUN TO AN APPROVED RECEPTOR AND DRY WELL. PROVIDE VIBRATION ELIMINATORS AT A.C. UNITS.
- 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.

### PLUMBING FIXTURE SCHEDULE

FD-1	FLOOR DRAIN, "SMITH" 2005, 5" DIA., NB TOP, CAST IRON BODY, TRAP PRIMER CONNECTION.
IM-1	ICE MAKER HOOK-UP BOX: "LSP" 0B504, 20 GAUGE STEEL FACEPLATE, 20 GAUGE STEEL ENCLOSURE WITH ANGLE STOP AND " SOFT COPPER CONNECTOR. PROVIDE FINAL CONNECTION TO ICE MAKER.
S-1	SINK, "AMERICAN STANDARD" 9482.000 20"x17" VITREOUS CHINA, "SLOAN" EBF-187-4-BAT BATTERY FAUCET, 0.35 GPM, 0.175 GPC, BELOW DECK MIXING VALVE AND GRID STRAINER, PROVIDE SUPPLIES STOPS AND 17 GA. CHROME PLATED BRASS P-TRAP, "LEONARD" TA-SB TEMPERING VALVE, UNDER COUNTER MOUNT, ADA.
TP-1	TRAP PRIMER: PPP #PR-500 TRAP PRIMER WITH INTEGRAL BACKFLOW PREVENTER AND REQUIRED PIPING.
FS-1	FLOOR SINK, "ZURN" MODEL Z1910, ACID RESISTANT CAST IRON BODY, 1/2" GRATE, SIZE 8"x8"x6"DEEP.
L-1	LAVATORY, "AMERICAN STANDARD" 0355.012 20" x 18" VITREOUS CHINA, "AMERICAN STANDARD" 7385.050 FAUCET, 0.35 GPM, BELOW DECK MIXING VALVE AND GRID STRAINER, PROVIDE SUPPLIES STOPS AND 17 GA. CHROME PLATED BRASS P-TRAP, "LEONARD" TA-SB TEMPERING VALVE, WALL HUNG, ADA
WC-1	WATER CLOSET: "AMERICAN STANDARD" 2257.101 10" ROUGH IN. "SLOAN" 111-1.28 MANUAL FLUSH VALVE, "PROFLO" #PFTSCOFH2000WH SEAT WITH SS/CH, 1.28 GPF, FLOOR MOUNT, ADA.

### PLUMBING EQUIPMENT SCHEDULE

IWH-1	INSTANTANEOUS WATER HEATER: "CHRONNOMITE" MODEL CM-20L/208, 57AT @ 0.5 GPM, 4160 WATTS, 208/1Ø/60HZ, 20 AMP BREAKER. MICROPROCESSOR, SET OUTLET TEMPERATURE TO 104°F, 0.2 GPM LOW FLOW ACTIVATION
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### PLUMBING LEGEND

	COLD WATER LINE
	CONDENSATE DRAIN
	FIRE SERVICE LINE
	GAS
	HOT WATER LINE
	HOT WATER RETURN
	LIQUID PETROLEUM GAS
	OVERFLOW
	PIPING OR EQUIPMENT TO BE REMOVED
	RAINWATER LEADER
	RISE OR DROP IN DIRECTION OF FLOW
	SANITARY SOIL OR WASTE LINE
	SECONDARY CONDENSATE DRAIN LINE
	TRAP PRIMER LINE
	VENT
	CLEANOUT & WALL CLEANOUT
	FIRE DEPARTMENT CONNECTION
	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
	ABOVE
	ABOVE CEILING, OVERHEAD
	ACCESS DOOR
	AMERICANS WITH DISABILITIES ACT
	ABOVE FINISHED FLOOR
	BRANCH
	CENTERLINE
	CLEANOUT
	COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	DIAMETER
	FLEXIBLE CONNECTION
	FLOOR CLEANOUT
	FLOOR DRAIN
	FIRE SPRINKLER RISER
	GRADE CLEANOUT
	HOT WATER
	HOT WATER RETURN
	INVERT ELEVATION
	NEW, EXISTING
	NOT IN CONTRACT
	POINT OF CONNECTION
	PRESSURE & TEMPERATURE RELIEF VALVE
	REDUCED PRESSURE BACKFLOW PREVENTER
	RISE, DROP
	ROOF DRAIN, OVERFLOW
	ROUGH-IN
	RUN-OUT
	SHEET METAL SCREWS
	SHUT OFF VALVE
	TO ABOVE, FROM ABOVE
	TO BELOW, FROM BELOW
	TO BE REMOVED
	TRAP PRIMER
	UNDERGROUND, UNDERFLOOR
	UNLESS OTHERWISE NOTED
	UP THROUGH ROOF
	VENT, VENT RISER, VENT THRU ROOF
	WATERTIGHT
	WALL CLEANOUT
	ZONE VALVE

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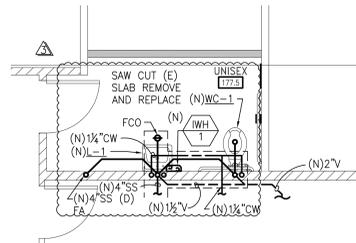
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**PLUMBING LEGEND, SCHEDULES & NOTES**

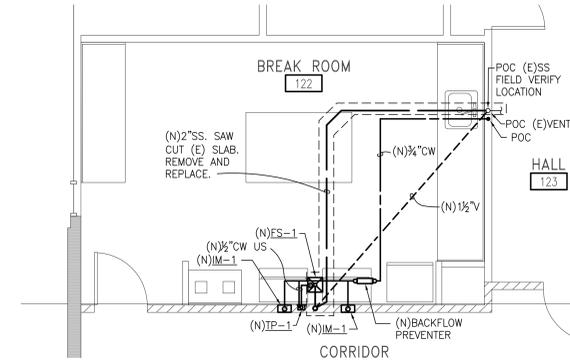
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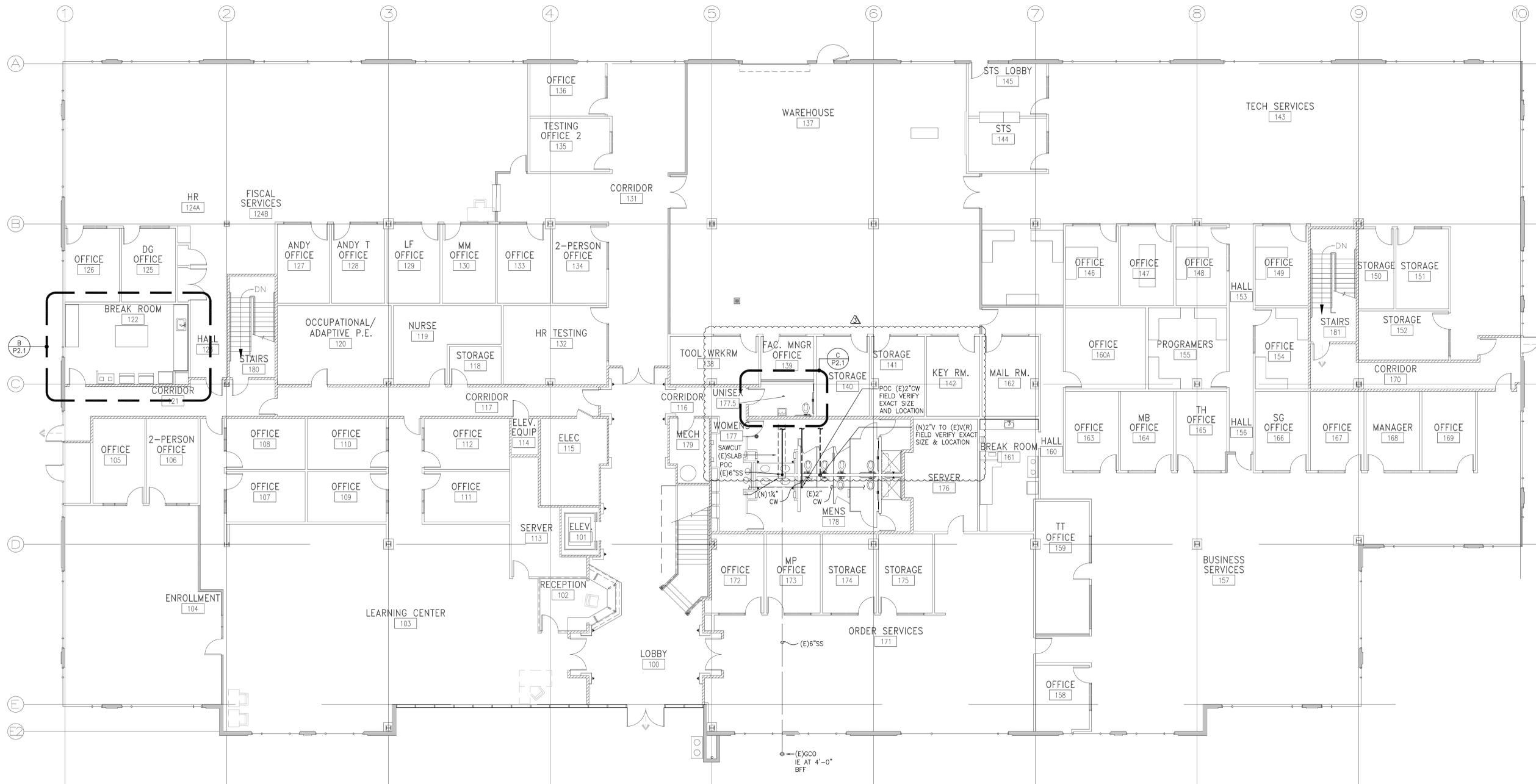
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JOB NO.: **22-10**  
SHEET



**C** PARTIAL PLUMBING PLAN  
SCALE: 1/4" = 1'-0"



**B** PARTIAL PLUMBING PLAN  
SCALE: 1/4" = 1'-0"



**A** FIRST FLOOR - PLUMBING PLAN  
SCALE: 1/8" = 1'-0"



205 23rd Street, Suite 130  
Sacramento, CA 95816  
916 498-7900



**VISIONS IN EDUCATION  
TENANT IMPROVEMENT  
1931 FOUNDATION PLACE  
GOLD RIVER, CA. 95670**

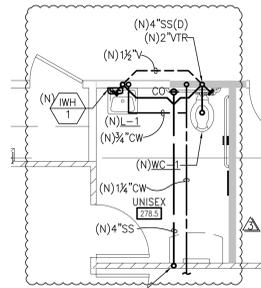
<b>TURLEY &amp; ASSOCIATES</b> MECHANICAL ENGINEERING GROUP, INC.	
3411 Capital Avenue Sacramento, CA 95834	(916) 325-1085 FAX (916) 325-1075 Email: info@turleyandassociates.com
Project Engineer: EP	File Number: 2201
Project Manager: TP	Field Order: Aug. 20, 2022 - 4:47am
Project Designer: LC	Scale: 1/8" = 1'-0"

**PLUMBING  
FIRST FLOOR  
PLANS**

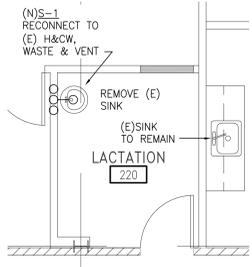
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REVISIONS		
Δ	ASI #1	07/29/2024

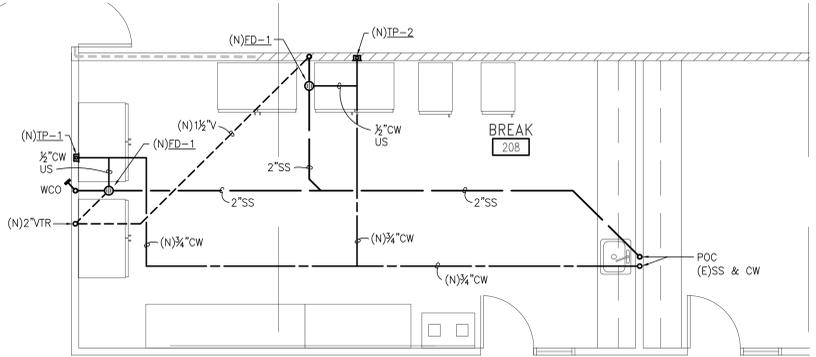
DATE	<b>JANUARY 31, 2024</b>
SCALE	<b>AS NOTED</b>
DRAWN BY	<b>T&amp;A</b>
JOB NO.	<b>22-10</b>
SHEET	



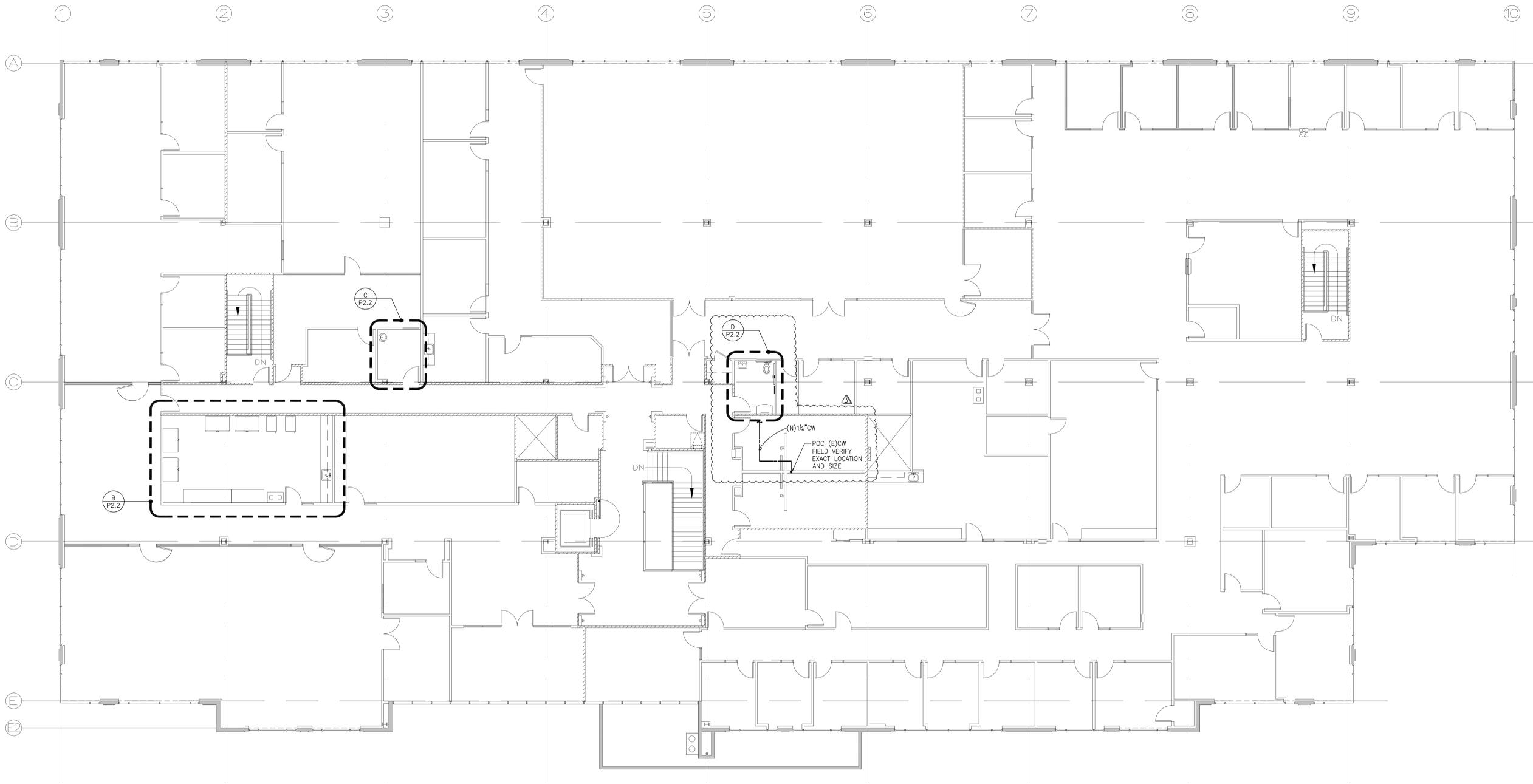
**D** PARTIAL PLUMBING PLAN  
SCALE: 1/4" = 1'-0"



**C** PARTIAL PLUMBING PLAN  
SCALE: 1/4" = 1'-0"



**B** PARTIAL PLUMBING PLAN  
SCALE: 1/4" = 1'-0"



**A** SECOND FLOOR - PLUMBING PLAN  
SCALE: 1/8" = 1'-0"

**GRA**  
architect

205 23rd Street, Suite 130  
Sacramento, CA 95816  
916 498-7900

VISIONS IN EDUCATION  
TENANT IMPROVEMENT  
11931 FOUNDATION PLACE  
GOLD RIVER, CA. 95670

<b>TURLEY &amp; ASSOCIATES, INC.</b>		<b>MECHANICAL ENGINEERING GROUP, INC.</b>	
2421 Capital Avenue Sacramento, CA 95833		916) 225-2025 Fax: 916) 225-2023 Email: info@turleyandassociates.com	
Project Engineer:	EP	Job Number:	20251
Project Manager:	TP	Plot Date:	Aug 23, 2024 - 8:28am
Project Designer:	LC	Logic:	Logic

**PLUMBING  
SECOND FLOOR  
PLAN**

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REVISIONS		
Δ	ASI #1	07/29/2024

DATE	<b>JANUARY 31, 2024</b>
SCALE	<b>AS NOTED</b>
DRAWN BY	<b>T&amp;A</b>
JOB NO.	<b>22-10</b>
SHEET	

REVISED PANELS

PANELS FOR REFERENCE ONLY

(E) PANEL 'DP-1A'

VOLTAGE: 120/208V 3Ø 4W  
BUS: 125 AMP  
MOUNTING SURFACE: A SERIES  
KVA: 27.24  
CURRENT: 16 AMPS

LOAD	KVA	CB	NO	NO	CB	KVA	LOAD
(N) PARTITION FURNITURE	1.00	20	1	2	20	0.36	(N) RECEPTACLE
	1.00	3	4	4	20	9.12	
	1.00	5	6	6	2		
	1.00	7	8	8	0.36		
	1.00	9	10	10	0.72		
	1.00	11	12	12	0.54		
	1.00	13	14	14	0.36	RECEPTACLE OFFICE	
	1.00	15	16	16	0.36	(N) RECEPTACLES	
	0.72	17	18	18	0.36		
	0.72	19	20	20	0.36		
	0.72	21	22	22	0.36		
	0.72	23	24	24	0.36		
(N) RECEPTACLES	1.2	25	26	26	0.36		
	1.2	27	28	28	0.36		
	1.2	29	30	30	0.36		
	1.2	31	32	32	0.36		
	1.2	33	34	34	0.36		
	1.2	35	36	36	0.36		
	1.2	37	38	38	0.36		
	1.2	39	40	40	0.36		
	1.2	41	42	42	0.36		

PER 220.44 10.0 + 17.24 = 27.24

(E) PANEL 'L2A'

VOLTAGE: 120/208V 3Ø 4W  
BUS: 125 AMP  
MOUNTING SURFACE: A SERIES  
KVA: 13.50  
CURRENT: 30 AMPS

LOAD	KVA	CB	NO	NO	CB	KVA	LOAD
SPARE	1.0	1	2	20	1	0.36	RECEPTACLE
	1.0	3	4	4	0.50	EXH. FAN	
	1.0	5	6	6	0.36	ROOF TOP RECEPTACLE	
	1.0	7	8	8	1.0	REF	
	1.0	9	10	10	1.2	RECEPTACLE	
	1.0	11	12	12	1.2		
	1.0	13	14	14	PFB	SPACE	
	1.0	15	16	16			
	1.0	17	18	18			
	1.0	19	20	20			
	1.0	21	22	22			
	1.0	23	24	24			
	1.0	25	26	26			
	1.0	27	28	28			
	1.0	29	30	30			
	1.0	31	32	32			
	1.0	33	34	34			
	1.0	35	36	36	30	4.16 RECEPTACLE 30A (N)	
	1.0	37	38	38	30	4.16 RECEPTACLE 30A (N)	
	1.0	39	40	40	30	4.16 RECEPTACLE 30A (N)	
	1.0	41	42	42	30	4.16 RECEPTACLE 30A (N)	

MIN. SPLIT SERVER ROOM SPACE

(E) PANEL 'DP-1D'

VOLTAGE: 120/208V 3Ø 4W  
BUS: 125 AMP  
MOUNTING SURFACE: A SERIES  
KVA: .  
CURRENT: .

LOAD	KVA	CB	NO	NO	CB	KVA	LOAD
SPARE	1.0	1	2	20	1	0.36	RECEPTACLES - OFFICE
	1.0	3	4	4	0.36		
	1.0	5	6	6	0.36		
	1.0	7	8	8	0.36		
	1.0	9	10	10	0.36		
	1.0	11	12	12	0.36		
	1.0	13	14	14	0.36		
	1.0	15	16	16	0.36		
	1.0	17	18	18	0.36		
	1.0	19	20	20	0.36		
	1.0	21	22	22	0.36		
	1.0	23	24	24	0.36		
	1.0	25	26	26	0.36		
	1.0	27	28	28	0.36		
	1.0	29	30	30	0.36		
	1.0	31	32	32	0.36		
	1.0	33	34	34	0.36		
	1.0	35	36	36	0.36		
	1.0	37	38	38	0.36		
	1.0	39	40	40	0.36		
	1.0	41	42	42	0.36		

RECEPTACLES - OFFICE  
SECURITY OFFICE  
RECEPTACLE  
SECURITY  
RECEPTACLES - OFFICE  
COPIER  
OFFICE  
COPIER  
SERV. ROOM  
COPIER  
PRINTER  
FAX  
REFRIGERATOR

(E) PANEL 'DP-1B'

VOLTAGE: 120/208V 3Ø 4W  
BUS: 125 AMP  
MOUNTING SURFACE: A SERIES  
KVA: 21.3  
CURRENT: 15.6 AMPS

LOAD	KVA	CB	NO	NO	CB	KVA	LOAD
(N) RECEPTACLE	0.18	20	1	2	20	0.72	(N) RECEPTACLE
	0.18	3	4	4	0.72		
	0.18	5	6	6	0.40		
	0.36	7	8	8	0.18		
	0.36	9	10	10	0.54	PARTITION FURNITURE	
	0.36	11	12	12	0.54		
	0.36	13	14	14	0.54		
	0.36	15	16	16	0.54		
	0.36	17	18	18	0.72	(N) RECEPTACLE	
	0.36	19	20	20	0.72		
	0.40	21	22	22	0.72		
	0.40	23	24	24	0.72		
	0.40	25	26	26	1.2		
	0.40	27	28	28	1.2		
	0.40	29	30	30	1.2		
	0.40	31	32	32	1.2		
	0.40	33	34	34	1.2		
	0.40	35	36	36	1.2		
	0.40	37	38	38	1.2		
	0.40	39	40	40	1.2		
	0.40	41	42	42	1.2		

SPARE  
(N) RECEPTACLE  
RECEPTACLES - 220  
COPIER  
CAMERA - N/E  
S/N  
(N) RECEPTACLE

(E) PANEL 'L3'

VOLTAGE: 120/208V 3Ø 4W  
BUS: 125 AMP  
MOUNTING SURFACE: A SERIES  
KVA: 25.1  
CURRENT: 64 AMPS

LOAD	KVA	CB	NO	NO	CB	KVA	LOAD
(N) RECEPTACLES	0.18	20	1	2	20	0.40	(N) RECEPTACLES
	0.18	3	4	4	0.72		
	0.18	5	6	6	0.36	RECEPTACLE - 240	
	0.18	7	8	8	0.36	RECEPTACLE - DATA EG	
	0.18	9	10	10	0.72		
	0.18	11	12	12	0.72		
	0.18	13	14	14	0.72		
	0.18	15	16	16	0.72		
	0.18	17	18	18	0.54	RECEPTACLE - OFFICE 240	
	0.18	19	20	20	0.36		
	0.18	21	22	22	1.2	NORK RM	
	0.18	23	24	24	1.2	GENERAL	
	0.18	25	26	26	1.2	NORK	
	0.18	27	28	28	1.08	DISP. 220	
	0.18	29	30	30	0.18	DED	
	0.18	31	32	32	1.44	SAPPIER	
	0.18	33	34	34	1.2		
	0.18	35	36	36	1.44	OPEN ANA	
	0.18	37	38	38	0.20	BOLLER CONTROL	
	0.18	39	40	40	0.20	AC-1, AC-2, CONTROL	
	0.18	41	42	42	0.36	RECEP. ROOF	

SPARE  
MFD  
RECEPTACLES - 220  
COPIER  
CAMERA - N/E  
S/N  
(N) RECEPTACLE

(E) PANEL 'DP-1F'

VOLTAGE: 120/208V 3Ø 4W  
BUS: 125 AMP  
MOUNTING SURFACE: A61  
KVA: .  
CURRENT: .

LOAD	KVA	CB	NO	NO	CB	KVA	LOAD
RECEPTACLES - COPIER	1.0	1	2	20	1	0.36	RECEPTACLES - DISPOSAL
	1.0	3	4	4	0.36		
	1.0	5	6	6	0.36		
	1.0	7	8	8	0.36		
	1.0	9	10	10	0.36		
	1.0	11	12	12	0.36		
	1.0	13	14	14	0.36		
	1.0	15	16	16	0.36		
	1.0	17	18	18	0.36		
	1.0	19	20	20	0.36		
	1.0	21	22	22	0.36		
	1.0	23	24	24	0.36		
	1.0	25	26	26	0.36		
	1.0	27	28	28	0.36		
	1.0	29	30	30	0.36		
	1.0	31	32	32	0.36		
	1.0	33	34	34	0.36		
	1.0	35	36	36	0.36		
	1.0	37	38	38	0.36		
	1.0	39	40	40	0.36		
	1.0	41	42	42	0.36		

RECEPTACLES - COPIER  
PRINTER  
FAX  
BREAK RM  
VENDING  
SECURITY DOOR  
SPARE  
RECEPTACLES - OFFICE  
SECURITY  
RECEPTACLES - OFFICE  
BREAK ROOM  
SPACE  
BLOCK HEATER  
GENERATOR 6FC1

(E) PANEL 'DP-2'

VOLTAGE: 277/480V 3Ø 4W  
BUS: 400 AMP  
MOUNTING SURFACE: S1  
KVA: .  
CURRENT: .

LOAD	KVA	CB	NO	NO	CB	KVA	LOAD
UPS	2.0	20	1	2	20	1	FIRE ALARM
	2.0	3	4	4	2.0	234, 236	RECEPTACLES - 234, 236
	2.0	5	6	6	2.0	234, 240	RECEPTACLES - 234, 240
	2.0	7	8	8	2.0	234, 240	RECEPTACLES - 234, 240
	2.0	9	10	10	2.0	201	RECEPTACLES - 201
	2.0	11	12	12	2.0	201	RECEPTACLES - 201
	2.0	13	14	14	2.0	201	RECEPTACLES - 201
	2.0	15	16	16	2.0	201	RECEPTACLES - 201
	2.0	17	18	18	2.0	201	RECEPTACLES - 201
	2.0	19	20	20	2.0	201	RECEPTACLES - 201
	2.0	21	22	22	2.0	201	RECEPTACLES - 201
	2.0	23	24	24	2.0	201	RECEPTACLES - 201
	2.0	25	26	26	2.0	201	RECEPTACLES - 201
	2.0	27	28	28	2.0	201	RECEPTACLES - 201
	2.0	29	30	30	2.0	201	RECEPTACLES - 201
	2.0	31	32	32	2.0	201	RECEPTACLES - 201
	2.0	33	34	34	2.0	201	RECEPTACLES - 201
	2.0	35	36	36	2.0	201	RECEPTACLES - 201
	2.0	37	38	38	2.0	201	RECEPTACLES - 201
	2.0	39	40	40	2.0	201	RECEPTACLES - 201
	2.0	41	42	42	2.0	201	RECEPTACLES - 201

RECEPTACLES - RESTROOM  
- EPC  
- 6NH-1  
EMERGENCY LIGHTS  
RECEPTACLES - MICRO  
- TOASTER  
- MISC.  
DID FAX PRINTER  
CARD READERS  
PANEL '2A'  
PANEL 'L3'  
PANEL '2A1'  
PANEL '2A2'

(E) PANEL 'DP-1C'

VOLTAGE: 120/208V 3Ø 4W  
BUS: 125 AMP  
MOUNTING SURFACE: A SERIES  
KVA: 41.0  
CURRENT: 114 AMPS

LOAD	KVA	CB	NO	NO	CB	KVA	LOAD
RECEPTACLES - OFFICES SH	1.00	20	1	2	20	0.72	PARTITION FURNITURE - SH (N)
	1.00	3	4	4	0.72		
	1.00	5	6	6	0.72		
	1.00	7	8	8	0.72		
	1.00	9	10	10	0.72		
	1.00	11	12	12	0.72		
	1.00	13	14	14	0.72		
	1.00	15	16	16	0.72		
	1.00	17	18	18	0.72		
	1.00	19	20	20	0.72		
	1.00	21	22	22	1.00	RECEPTACLES - OFFICES SH	
	1.00	23	24	24	1.00		
	1.00	25	26	26	1.00		
	1.00	27	28	28	1.00		
	1.00	29	30	30	1.00		
	1.00	31	32	32	1.00		
	1.00	33	34	34	1.00		
	1.00	35	36	36	1.00		
	1.00	37	38	38	1.00		
	1.00	39	40	40	1.00		
	1.00	41	42	42	0.36		

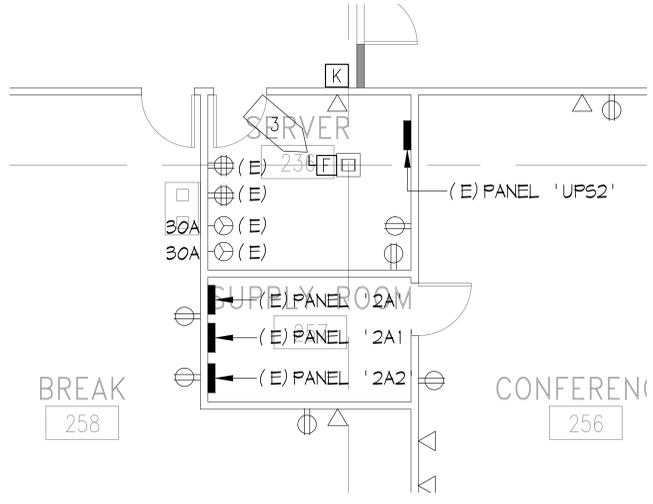
RECEPTACLES - OFFICES SH  
PARTITION FURNITURE  
RECEPTACLES - OFFICES SH  
- BREAK RM  
FID NEST  
RECEPTACLES - SERVER ROOM  
OFFICE  
SH  
- BREAK ROOM

(E) PANEL 'DP-1E'

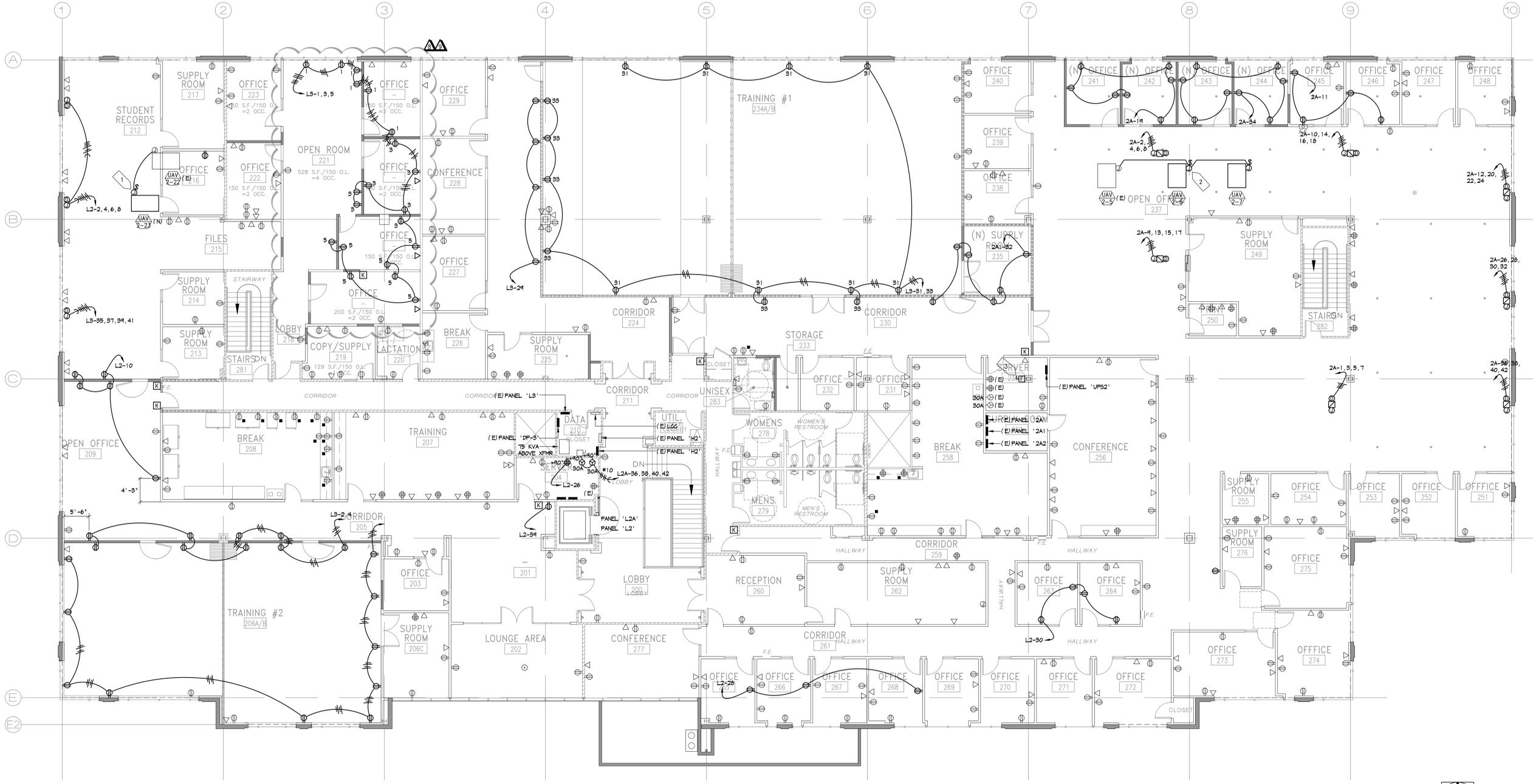
VOLTAGE: 120/208V 3Ø 4W  
BUS: 125 AMP  
MOUNTING SURFACE: A61  
KVA: 19.94  
CURRENT: 55 AMPS

LOAD	KVA	CB	NO	NO	CB	KVA	LOAD
RECEPTACLES - OFFICE	0.72	20	1	2	20	0.18	(N) RECEPTACLES
	0.72	3	4	4	0.18		
	0.72	5	6	6	0.18		
	0.72	7	8	8	0.18		
	0.72	9	10	10	0.18		
	0.72	11	12	12	0.36		
	0.72	13	14	14	0.36		
	0.72	15	16	16	4.16	200V RECEPTACLE	
	0.72	17	18	18	4.16	200V RECEPTACLE	
	0.72	19	20	20	0.36	RECEPTACLES	
	0.72	21	22	22	0.36	RECEPTACLES	
	0.72	23	24	24	0.36	RECEPTACLES	
	0.72	25	26	26	0.36	RECEPTACLES	
	0.72	27	28	28	0.36	RECEPTACLES	
	0.72	29	30	30	0.36	RECEPTACLES	
	0.72	31	32	32	0.36	RECEPTACLES	
	0.72	33	34	34			

- SHEET NOTES**
- 1 CONNECT (N)UAV 2-23 INTO (E)120V CONTROL CIRCUIT TO (E)UAV 2-22
  - 2 CONNECT (N)UAV 2-6 & 2-7 INTO (E)120V CONTROL CIRCUIT TO (E)UAV 2-5
  - 3 DISCONNECT AND REMOVE (E)DISCONNECT



**TELE/DATA ROOM 236 ELECTRICAL**  
SCALE: 1/4" = 1'-0"



**2ND FLOOR PLAN - POWER & SIGNAL**



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

REVISIONS

NO.	BLDG. DEPT. COMMENTS	DATE
1	OWNER CHANGES	07-05-24
2	OWNER CHANGES	07-19-24
3	OWNER CHANGES	09-03-24
4	OWNER CHANGES	10-22-24
5	LIGHTING CHANGES	11-27-24
6	PLAN CHECK COMMENTS	01-06-25
7	OWNER CHANGES	10-01-25
8	OWNER CHANGES	02-23-26

DATE	JANUARY 26, 2024
SCALE	AS NOTED
DRAWN BY	JG/TB
JOB NO.	2024-006
SHEET	E3.2

**NOTES:**

SCOPE OF WORK IS TO RELOCATE SPRINKLER HEADS

1. SPRINKLER SYSTEM SHALL CONFORM W/ NFPA 13, 2022 EDITION.
2. ALL PIPE FITTINGS SHALL BE UL AND FM LISTED FOR FIRE SERVICE
3. ALL PIPING SHALL BE SCHEDULE 40 BLACK STEEL, ASTM A53
4. SYSTEM SHALL BE HYDROSTATICALLY TESTED PER NFPA 13-2022:

MODIFICATIONS THAT CANNOT BE ISOLATED, SUCH AS RELOCATED DROPS, SHALL REQUIRE TESTING NORMAL STATIC PRESSURE.

5. PROVIDE NEW ESCUTCHEONS WHERE NEEDED.

HANGER LOADS AT MAXIMUM ALLOWABLE SPACING PER NFPA 13

PIPE SIZE	MAXIMUM HANGER SPACING	WEIGHT OF WATER-FILLED PIPE (LB PER FT)	WATER FILLED PIPE WEIGHT AT MAX. SPACING	5 TIMES PIPE WEIGHT PLUS 250 POUNDS
1"	12'-0"	2.05 LBS	24.60 LBS	373.00 LBS
1 1/4"	12'-0"	2.93 LBS	35.16 LBS	425.80 LBS
1 1/2"	15'-0"	3.61 LBS	54.17 LBS	520.75 LBS
2"	15'-0"	5.13 LBS	76.95 LBS	634.75 LBS

NOTE: FOR PIPE 2" AND SMALLER PIPE WEIGHTS ARE CALCULATED USING SCHEDULE 40 PIPE.

HANGERS TO CONCRETE DECK:  
HANGER INSTALLATION AND SPACING OF HANGERS SHALL CONFORM TO THE 2022 EDITION OF NFPA 13.

**UL**

HILTI KWIK BOLT TZ ANCHOR (OR EQUAL) ICC REPORT #ESR-1917 3,000 PSI CONCRETE 3 1/4" CONCRETE OVER MAX 3" METAL DECK (SEE FIG. 5B ABOVE)

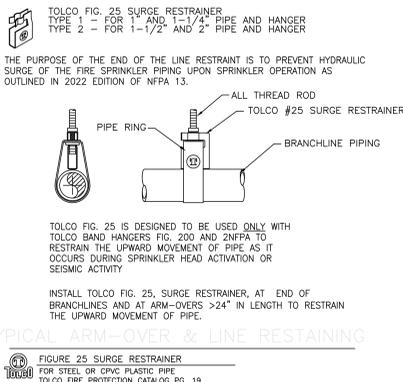
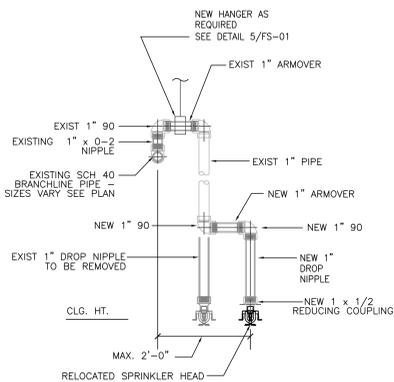
HILTI KWIK HUS-ES  
ICC REPORT #ESR-3027  
3/8" KH-EZ MIN. EMBED. 1 5/8"  
1/2" KH-EZ MIN. EMBED. 2 1/4"  
MAX. SPACING:  
1" & 1 1/4" @ 12'  
1 1/2" TO 3" @ 15'

ROD COUPLING  
THREADED ROD

HILTI FIG LH OR TOLCO FIG 200 HANGER RING **UL**

PIPE SIZE	ROD DIA	BOLT LGTH	IMBED DEPTH
1"	3/8"	3"	2"
1.25"	3/8"	3"	2"
1.5"	3/8"	3"	2"
2"	3/8"	3"	2"
2.5"	3/8"	3"	2"
3"	3/8"	3"	2"
4"	3/8"	3"	2"
6"	1/2"	3 3/4"	2"
8"	1/2"	3 3/4"	2"

01/2012 ALTERNATE HANGER 03 ALT



**A** SPRINKLER DROP DETAIL  
NO SCALE

**B** LINE RESTRAINT DETAIL  
NO SCALE

**POTTER** The Symbol of Protection **PAV** Potter Air Vent

**Features**

- UL Listed for Fire Sprinkler Branch Line applications per UL subject 2573—"Automatic Air Release Valves for Fire Protection Service"
- FM Approved for "Automatic Air Release Valve for Sprinkler Systems"

**Technical Specifications**

Service Pressure	Up to 175 PSIG
Environmental Limitations	40°F to 120°F (4.3°C to 49°C)
Air Vent	1/2" NPT male / 1/2" outlet to drain 2.04" Outlet Brass Construction
Optional Accessories	Ball valve supervisory switch model RSV3 (Supervisory switch only) listed to monitor the position of the outdoor valve. Outdoor vent screen assembly for outdoor installations above 40°F. See Figure 2.

**Description**

The PAV is an automatic float type air vent used to reduce the amount of air trapped in a pressurized fire sprinkler system. Reducing the amount of air in a fire sprinkler system is essential to help protect the system piping from the effects of corrosion that is often found at the air/water interface in the fire sprinkler system piping.

Removing as much air as possible will also have a positive effect on the performance of vane type waterflow detectors. The operation of vane type waterflow detectors can be delayed or prevented if too much air is trapped in the system piping.

The intent of the product is to vent as much air from the fire sprinkler system as possible. The PAV provides automatic venting of air as the system is being filled. Furthermore, trapped air can also be vented as the air in the system migrates to the vent location over time. The air vent will automatically close when water reaches the vent. The PAV provides a 1/2" NPT male connector which will allow installers to pipe the outlet to a drain or other suitable location if there are concerns of inactivated water discharge.

**Installation**

It is strongly recommended to install a ball valve in line with the PAV to assist in servicing the strainer without disabling the sprinkler system.

1. Read and understand the instructions provided before you proceed with installation. The PAV shall be installed in accordance with local ordinances and the applicable NFPA13, NFPA13D, or NFPA13R standard.

2. The Engineer of Record should select the Model PAV, Potter Air Vent installation location. Usually at a point in the system that will vent the most air.

3. The location of the PAV must not interfere with the spray pattern of any sprinkler head. The connection point must be off the top of the pipe. (See Fig. 1)

4. The piping must be level or pitch back toward the fire sprinkler system piping and arranged in such a manner that water will not become trapped. The outlet of the PAV contains a 1/2" male NPT threaded connection allowing the device to be piped to a drain or other suitable location if there are concerns about inactivated water discharge.

5. Immediately after installation and filling of the fire sprinkler system, the PAV should be inspected for leaks and proper operation. The unit should be inspected periodically. Thereafter the manufacturer recommends quarterly or more frequently.

6. Inspection should include removal and cleaning of the strainer screen. Remove the screen and flush with clean water. Use a wire brush if necessary to remove any particles trapped in the screen.

**PAV and Shutoff Valve Replacement**

The vent used in the PAV is not field replaceable. If the vent should fail, the entire unit must be replaced.

**PAV Outline Drawing**

Fig. 1

Notes:  
NOTE: RSV3 (OPTIONAL) AVAILABLE FROM POTTER DISTRIBUTION  
NOTE: It is strongly recommended to install a ball valve and supply (supplied by others).

Potter Electric Signal Company, LLC • St. Louis, MO • Phone: 800-325-3936 • www.pottersignal.com

5801163-REV E • 219 PAGE 1 OF 3

**POTTER** The Symbol of Protection **PAV** Potter Air Vent

**Installation**

It is strongly recommended to install a ball valve in line with the PAV to assist in servicing the strainer without disabling the sprinkler system.

1. Read and understand the instructions provided before you proceed with installation. The PAV shall be installed in accordance with local ordinances and the applicable NFPA13, NFPA13D, or NFPA13R standard.

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**PAV and Shutoff Valve Replacement**

The vent used in the PAV is not field replaceable. If the vent should fail, the entire unit must be replaced.

**PAV Outline Drawing**

Fig. 1

Notes:  
NOTE: RSV3 (OPTIONAL) AVAILABLE FROM POTTER DISTRIBUTION  
NOTE: It is strongly recommended to install a ball valve and supply (supplied by others).

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5801163-REV E • 219 PAGE 2 OF 3

**NFPA 13 (2022)**  
8.1.5 Air Venting  
A single air vent with a connection conforming to 16.7 shall be provided on each wet pipe system utilizing metallic pipe.

**16.7 Air Venting**  
The vent required by 8.1.5 shall be located near a high point in the system to allow air to be removed from that portion of the system by one of the following methods:  
Manual valve, minimum 3/4" (15mm) size  
Automatic air vent  
Other approved means

**PROJECT SCOPE**

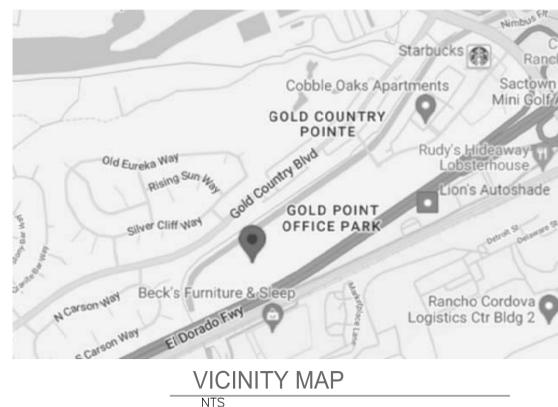
MODIFY SPRINKLER HEAD LOCATIONS TO ACCOMMODATE NEW WALLS AND LIGHTS IN TENANT SPACE.  
RELOCATE 28, ADD 23 AND PLUG 5.

**PROJECT NOTES**

1. THE EXISTING WET FIRE SPRINKLER SYSTEMS IS HYDRAULICALLY CALCULATED FOR LIGHT HAZARD OCCUPANCIES.
2. THREADED PIPING TO BE SCHED40 BLACK STEEL WITH CAST OR DUCTILE IRON FITTINGS.
3. THE INSTALLING FIRE SPRINKLER CONTRACTOR SHALL VERIFY / COORDINATE, AT NO ADDITIONAL COST TO THE OWNER, THE LOCATION OF SPRINKLERS, PIPING, AND DEVICES PRIOR TO FABRICATION AND INSTALLATION OF THE FIRE SPRINKLER SYSTEM.
4. INSTALLING CONTRACTOR TO PROVIDE FIRE SPRINKLER STYLE AND FINISHES THAT MATCH EXISTING COMPONENTS.
5. ADD AUTOMATIC AIR VENT AT TOP OF EACH SYSTEM, IN AN ACCESSIBLE LOCATION FOR DRAINING.

**FIRE PROTECTION GENERAL NOTES**

1. NFPA 13 (2022) SEC. 30.8.1.2 MODIFICATIONS THAT CANNOT BE ISOLATED SUCH AS RELOCATED DROPS, SHALL REQUIRE TESTING AT SYSTEM WORKING PRESSURE.
2. NFPA 13 (2022) SEC. 16.2.7 A SPRINKLER HEAD CABINET, SPRINKLER WRENCH, AND NO FEWER THAN 6 SPARE SPRINKLER HEADS MATCHING THE TYPES AND TEMPERATURE RATING IN EACH PROTECTED BUILDING FOR SYSTEMS LESS THAN 300 SPRINKLERS (12 SPARE SPRINKLER HEADS FOR SYSTEMS 300 TO 1000 SPRINKLERS).
3. NFPA 13 (2022) SEC. 7.7.2 ELECTRICAL WATERFLOW ALARM DEVICES SHALL BE TESTED BY IOR TO CONFIRM THAT WHEN THE INSPECTOR'S TEST VALVE IS ACTIVATED AN ALARM WILL SOUND IN NOT MORE THAN 10 SECONDS.
4. CBC SEC. 903.4.1 ALARM, SUPERVISORY AND TROUBLE SIGNALS SHALL BE DISTINCTLY DIFFERENT AND SHALL BE AUTOMATICALLY TRANSMITTED TO AN APPROVED SUPERVISING STATION OR, WHERE APPROVED BY THE FIRE CODE OFFICIAL, SHALL SOUND AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION.



**FIRE PROTECTION SHEET INDEX**

- FPO.0 FIRE SPRINKLERS COVER PAGE
- FP.2.1 FIRE SPRINKLERS FIRST FLOOR
- FP.2.2 FIRE SPRINKLERS SECOND FLOOR

**tyco** Worldwide Contacts: www.tyco-fire.com

**GRINNELL G-FIRE Figure 40-5 Strap (Pipe Outlet) Americas Only**

**General Description**

The GRINNELL G-FIRE Figure 40-5 Strap is an economical alternative to welded pipe outlets on steel pipe. The Figure 40-5 Strap can be used with full lengths of pipe and eliminates welding, decreasing waste and installation time. The Figure 40-5 Strap can be used in wet, dry pipe, and deluge systems and is rated to a maximum pressure of 175 psi (12 bar).

**Technical Data**

**Approvals**  
UL and ULC Listed  
FM Approved

**Sizes**  
Pipe Run: 1-1/4 to 2-1/2 inch (DN32 to DN63)  
Outlet Thread: 1/2 to 1 inch NPT

**Housing**  
Ductile iron conforming to ASTM A536, Grade 65-45-12

**Protective Coatings**  
Clear rust inhibitive coating

**Boils/Nuts**  
• ANSI  
The U-bolt is made from carbon steel conforming to ASTM A507 Grade A and zinc-electroplated conforming to ASTM B933.  
• The flange nuts are made from carbon steel conforming to ASTM A563 Grade B933.  
• Stainless Steel U-Bolts and Nuts are available upon request.

**Gasket**  
Refer to data sheet TFP1855 for additional gasket information.

**Care and Maintenance**

The GRINNELL G-FIRE Figure 40-5 Strap must be maintained in accordance with this section.

Before closing a fire protection system main control valve for maintenance work on the fire protection system that it controls, obtain permission to shut down the affected fire protection system from the proper authorities and notify all personnel who may be affected by this decision.

After closing a fire protection system in service, notify the proper authorities and advise those responsible for monitoring proprietary sensor/central station alarms.

**IMPORTANT**  
Refer to Technical Data Sheet TFP200 for warnings pertaining to regulatory and health information.

Page 1 of 2 AUGUST 2018 TFP1720

**tyco** Worldwide Contacts: www.tyco-fire.com

**Series TY-FRB - 2.8, 4.2, 5.6, and 8.0 K-Factor Upright, Pendant, and Recessed Pendant Sprinklers Quick Response, Standard Coverage**

**IMPORTANT**  
Refer to Technical Data Sheet TFP200 for warnings pertaining to regulatory and health information. Always refer to Technical Data Sheet TFP200 for the "INSTALLER WARNING" that provides cautions with respect to handling and installation of sprinkler systems and components. Improper handling and installation can permanently damage a sprinkler system or its components and cause the sprinkler to fail to operate in a fire situation or cause it to operate prematurely.

Scan the QR code or enter the URL in a web browser to access the most up-to-date electronic version of this document. Data tables may apply.

docs.tyco.com/tycofire/tfp171

**General Description**

The TYCO Series TY-FRB 2.8, 4.2, 5.6, and 8.0 K-Factor Upright, Pendant, and Recessed Pendant Sprinklers described herein are quick response, standard coverage, decorative 3 mm glass bulb-type spray sprinklers. They are designed for use in light or ordinary hazard, commercial occupancies such as banks, hotels, and shopping malls. The sprinkler, where applicable, is intended for use in areas with a finished ceiling.

The adjustment provided by the recessed escutcheon reduces the accuracy to which the fixed pipe drops to the sprinklers must be cut. Corrosion-resistant coatings, where applicable, are utilized to extend the life of copper alloy sprinklers beyond what would be obtained when exposed to corrosive atmospheres. Although corrosion-resistant coated sprinklers have passed the standard corrosion tests of the applicable approval agencies, the testing is not representative of all possible corrosive atmospheres. Consequently, it is recommended that the end user be consulted with respect to the suitability of these coatings for any given corrosive environment. The effects of ambient temperature, concentration of chemicals and gas/chemical velocity, should be considered, as a minimum, along with the corrosive nature of the chemical to which the sprinklers will be exposed.

**Sprinkler Identification Number (SIN)**

TY1131 • Upright 2.8K, 1/2 in. NPT  
TY1231 • Pendant 2.8K, 1/2 in. NPT  
TY2131 • Upright 4.2K, 1/2 in. NPT  
TY2231 • Pendant 4.2K, 1/2 in. NPT  
TY3131 • Upright 5.6K, 1/2 in. NPT  
TY3231 • Pendant 5.6K, 1/2 in. NPT  
TY4131 • Upright 8.0K, 3/4 in. NPT  
TY4231 • Pendant 8.0K, 3/4 in. NPT  
TY4831 • Upright 8.0K, 1/2 in. NPT  
TY4931 • Pendant 8.0K, 1/2 in. NPT

**December 2022 TFP171**

**GRA** architect

205 23rd Street, Suite 130  
Sacramento, CA 95816  
916 498-7900



VISIONS IN EDUCATION  
TENANT IMPROVEMENT  
1931 FOUNDATION PLACE  
GOLD RIVER, CA. 95670

**Addendum #2**

**TURLEY & ASSOCIATES** MECHANICAL ENGINEERING GROUP INC.

2411 Capital Avenue Sacramento, CA 95816  
Phone: (916) 225-1085 Fax: (916) 225-0575 Email: info@turleyinc.com

Project Engineer: BP Job Number: 24321  
Project Manager: TF Plot Date: Apr 05, 2024 - 7:24am  
Project Director: LC Logn: any

**FIRE SPRINKLER COVER PAGE**

REVISIONS

DATE	AS NOTED
JANUARY 31, 2024	T&A

SCALE: AS NOTED  
DRAWN BY: T&A  
JOB NO.: 22-19  
SHEET

**FPO.0**



**VISIONS IN EDUCATION  
TENANT IMPROVEMENT**  
 11931 FOUNDATION PLACE  
 GOLD RIVER, CA. 95670

**Addendum #2**

<b>TURLEY &amp; ASSOCIATES</b>		MECHANICAL ENGINEERING GROUP, INC.	
2411 Capitol Avenue Sacramento, CA 95816		Fax: (916) 326-0985 Email: office@turleyandassociates.com	
Project Engineer:	BP	Job Number:	24101
Project Manager:	TF	Plot Date:	Apr 05, 2024 - 7:15pm
Project Designer:	LC	Logon:	Any

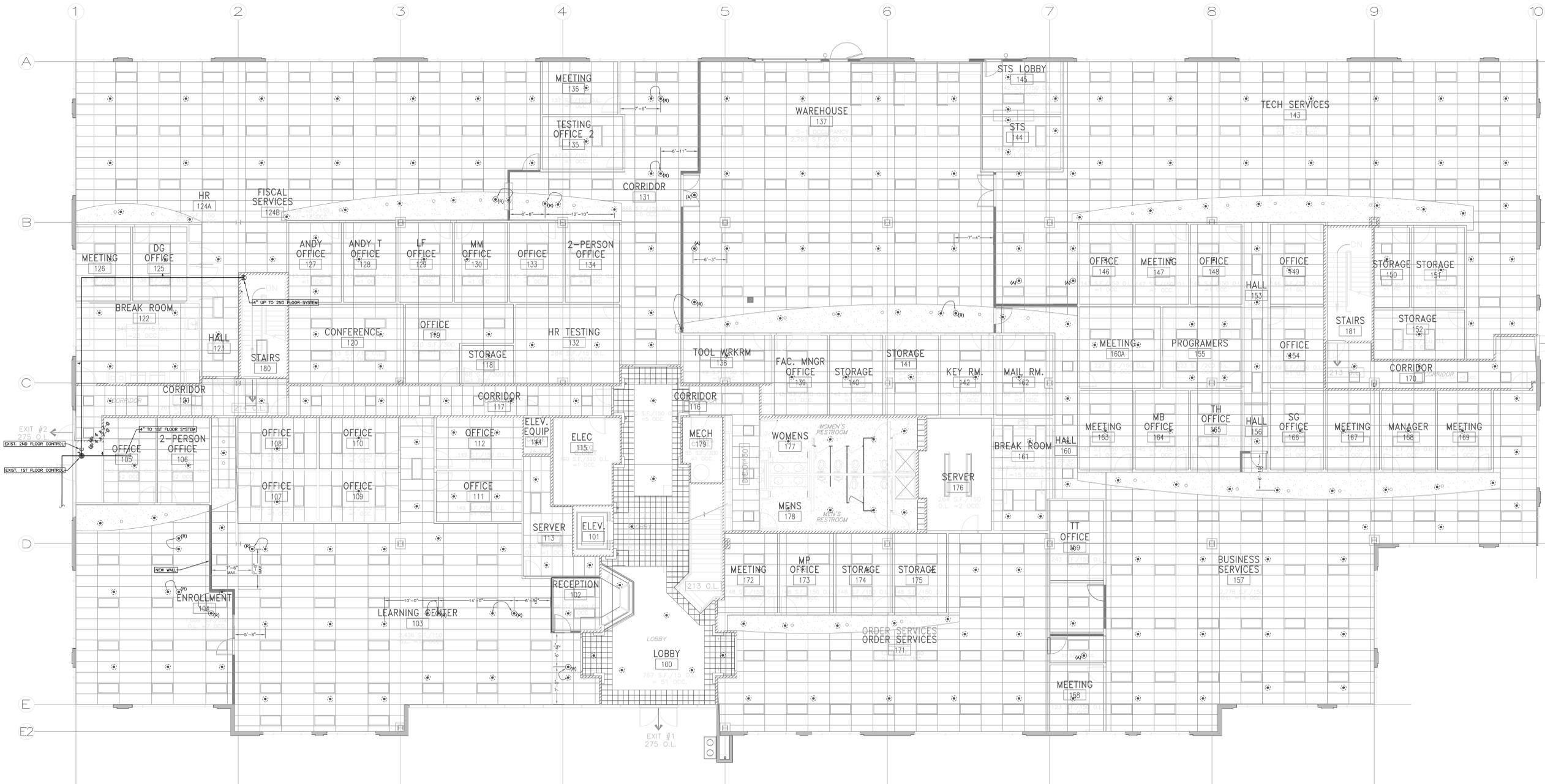
**FIRE SPRINKLER  
FIRST FLOOR**

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REVISIONS


DATE	JANUARY 31, 2024
SCALE	AS NOTED
DRAWN BY	T&A
JOB NO.	22-19
SHEET	

**FP2.1**



Sprinkler Head Schedule					
Symbol	Count	Thread	K-Factor	Description	Note
⊙	18	1/2"	5.6	TY3231 1/2 QR 155 WP PDR	ON DROP
⊕	(266)	1/2"	5.6	EXISTING 1" OR RECESSED	ON DROP
18 = Total Number of Heads This Floor					

- (R) RELOCATE = 13
- (A) ADD = 5
- (P) PLUG = 0

**NEW 1st FLOOR PLAN**  
 1/8" = 1'-0"



**VISIONS IN EDUCATION  
TENANT IMPROVEMENT**  
 11931 FOUNDATION PLACE  
 GOLD RIVER, CA. 95670

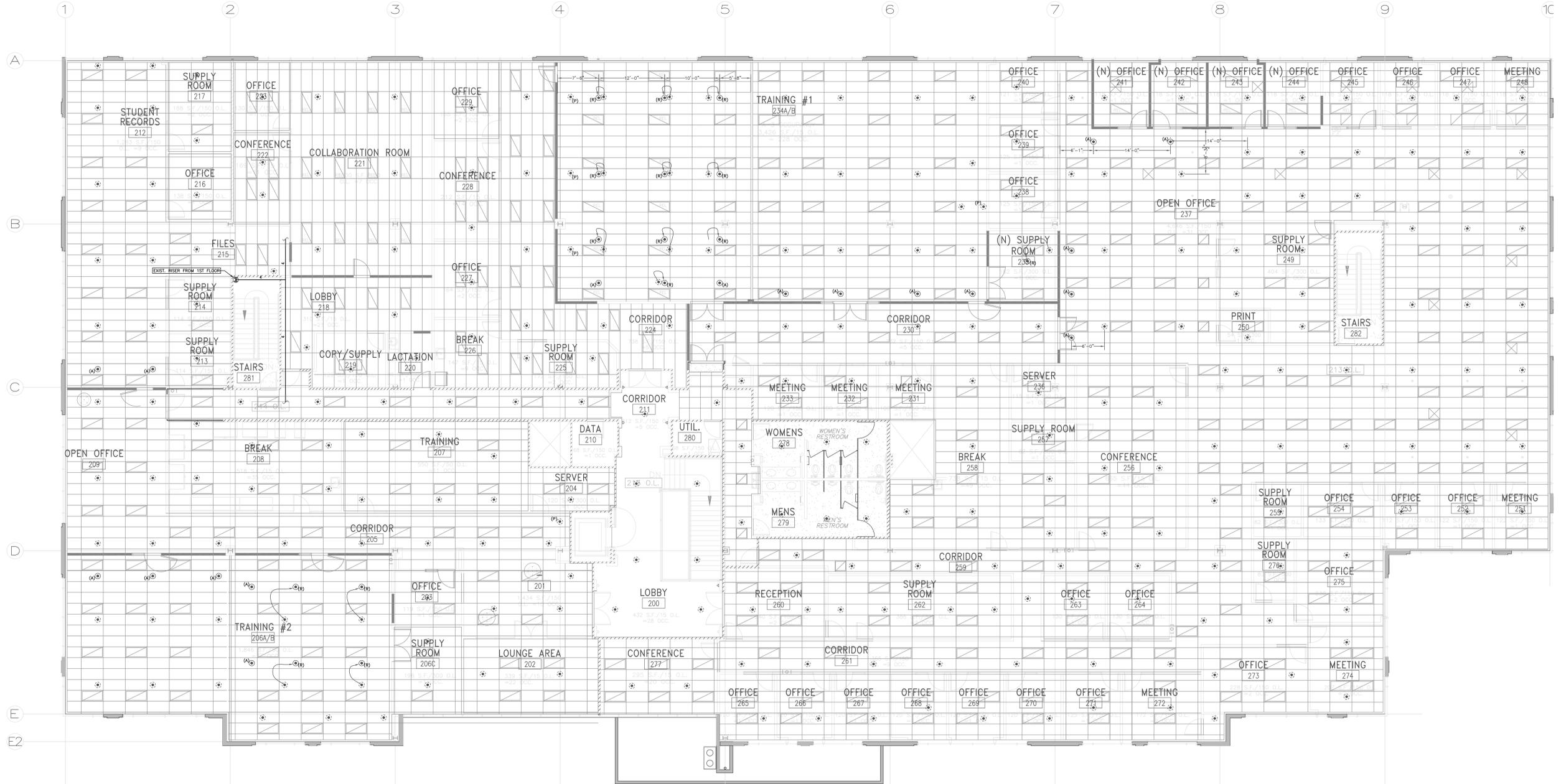
**Addendum #2**

**TURLEY & ASSOCIATES** MECHANICAL ENGINEERING GROUP, INC.  
 2411 Capitol Avenue Sacramento, CA 95816  
 (916) 325-1085 FAX (916) 325-9175 Email: office@turleyandassociates.com  
 Project Engineer: BP Job Number: 24101  
 Project Manager: TF Plan Date: Apr 05, 2024 - 7:15pm  
 Project Director: LC Login: Rly

**FIRE SPRINKLER SECOND FLOOR**

REVISIONS

DATE: **JANUARY 31, 2024**  
 SCALE: **AS NOTED**  
 DRAWN BY: **T&A**  
 JOB NO.: **22-19**  
 SHEET

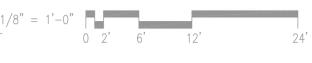


**Sprinkler Head Schedule**

Symbol	Count	Thread	K-Factor	Description	Note
⊙	33	1/2"	5.6	TY3231 1/2 QR 155 WP PDR	ON DROP
⊙	(265)	1/2"	5.6	EXISTING 1/2" QR RECESSED	ON DROP
33 = Total Number of Heads This Floor					

(R) RELOCATE = 15  
 (A) ADD = 18  
 (P) PLUG = 5

**1 NEW 2nd FLOOR PLAN**  
 1/8" = 1'-0"



# PAINT SPECIFICATION

Date: 8/29/2024

Project: visions in education TI  
11931 Foundation place  
Gold River, CA 95670

Owner/  
Management  
Company: N/A

Architect: N/A

General  
Contractor: Creekside Commercial Builders,  
inc 3131 Peacekeeper way  
Rancho Cordova, CA 95670

Painting  
Contractor: DWS painting  
Dean Serenbetz  
332 Hill Street  
Grass Valley, CA 95945

Prepared By:  
Jamie Ehrman  
Sales Representative  
(916) 225-1958  
jamie.ehrman@dunnedwards.com

Brush-Out Samples Mailed:  
DE Acoustic Off White [P1]  
DE Dinosaur Egg (Tan) [P2]  
DE Accolade (Light Blue) [P3]  
DE French Diamond (Darker Blue) [P4]  
DE 6356 (Interior Stair Wells) [P5]



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## **DFS FLOORING**

**CARPET, VCT, & WALLBASE SUBMITTAL**

C1 - MOHAWK CARPET TILE 24" X 24" - MOTIVATED MOVEMENT - LI -858

C2 - SHAW PORTAL CARPET TILE 24" X 24" - PORTABELLA - 34761

C3 -MOHAWK MIRADA STITCHLOCK BOARDROOM CARPET - MOTH WING - 878

VCT1 - ARMSTRONG VCT PREMIUM EXCELON 12" X 12" - LINSEED - 5C236

RB1 - JOHNSONITE® WALL BASE- 6" COVE BASE - DARK BROWN - 44

**Positive Pressure**

**5-Ply**

<b>Thickness</b>	1-3/4" standard, 1-7/8" & 2-1/4" available upon request		
<b>Maximum Sizes</b>	<b>Non-Rated:</b>	Single 4 <sup>0</sup> x 10 <sup>0</sup>	Pairs 8 <sup>0</sup> x 10 <sup>0</sup>
	<b>Up to 20 Minute:</b>	Single 4 <sup>0</sup> x 9 <sup>0</sup>	Pairs 8 <sup>0</sup> x 9 <sup>0</sup>
<b>Core &amp; STC Rating</b>	100% no-added formaldehyde particleboard conforming to ANSI A 208.1, Grade LD-2 requirements 32lb. density. Door assembly may achieve a STC rating of 29 or 30 when installed with appropriate gasketing 1-3/4" only (operable unit)		
<b>Edges</b>	5" top & bottom rail 5x18 lock block	<b>Stiles:</b> Minimum width 1-1/4" unless otherwise specified. <sup>(1)(6)</sup> Edge banding available.	<b>Rails:</b> Minimum width 2-1/4" unless otherwise specified. <sup>(2)</sup>
<b>Edge Construction</b>	Category A: Integral intumescent edge construction available. (not standard)		
<b>Faces</b>	PS Cherry, A-faces, book & running match	All commercially available veneers per AWI 1300, G11, 1/16" minimum veneer thickness; medium density overlay (MDO) hardboard. <sup>(3)</sup>	
<b>Core Assembly Adhesive</b>	Type 1—Waterproof Bond		
<b>Face Assembly Adhesive</b>	Type 1—Waterproof Bond		
<b>Core Bonding</b>	Stiles and rails are securely bonded utilizing the technique in conjunction with superior RF bonding technology. To ensure freedom from telegraphing of core components, the core unit is then sanded before face veneers are applied.		
<b>Warranty<sup>(4)</sup></b>	<b>Interior Use</b> —Life of Installation		<b>Exterior Use</b> —No Warranty
<b>Construction Standards</b>	<b>Meet or Exceed</b>	WDMA I.S. 1-A AWI Section 1300 WI Section 12 Architectural Wood Doors – Flush UBC7-2-1997	NFPA 80 AWS Section 9 WH/ITS Labeling Service
<b>Performance Standards</b>	Meets WDMA I.S.1-A <b>Extra Heavy Duty</b> Performance Consult factory for specific test results		
<b>Factory Finish</b>	WDMA TR-B/AWS System 9 (UV Cured Acrylated Polyurethane) > Clear > Custom color matching available <sup>(5)</sup> > Standard color selections		
<b>Factory Machining</b>	> Pre-fitting > Templated hardware prep > Lite cutouts > Louver cutouts Consult factory for full list of machining options		
<b>Sustainability</b>	CALGreen Compliant GREENGUARD and GREENGUARD Gold Certified Extended Producer Responsibility Program—Take Back Program LBC Compliant—Declare Label Recycled Content—Entire assembly 85% pre-consumer, 0% post-consumer Extracted: Medford, Oregon. Manufactured: Winston, Oregon		

Door finish to match existing—provide sample.

(1) Compatible hardwood edges as specified for use with stain grade face veneers. Compatible hardwood or softwood edges available for use with paint grade faces.  
 (2) Laminated Strand Lumber (LSL) or softwood rails at factory option. Wider rail available.  
 (3) Hardboard available in 3-ply construction only.  
 (4) See complete Oregon Door limited door warranty for details.  
 (5) Set-up fee for custom matching applies. Approval of custom samples is required prior to finishing.  
 (6) Standard stile construction is laminated hardwood or LSL backer with a maximum 1/4" outer matching or compatible edge. Sizing and beveling should be completed at the factory.



## BB1279

### Five Knuckle - Ball Bearing - Standard Weight

**Description:**

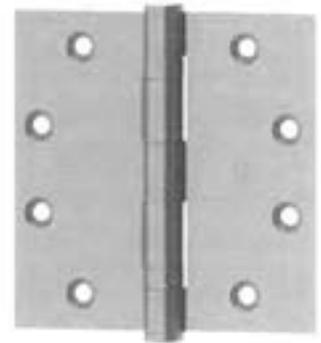
- ANSI A812
- Two ball bearings
- Non-rising removable pin with button tip and plug
- 3-1/2" x 3-1/2" (89 mm x 89mm) available with reversible hole pattern
- For use on medium weight doors or doors requiring medium frequency service

**Note:**

- Complies with NFPA80 requirements for use on fire rated door assemblies

**Electric Modifications:**

- **EMN** (Electric Monitor Only)
- **ETW** (Electric Through-Wire Only)
- **ETM** (Electric Through-Wire with Monitoring)
- **Quick Connect**



## PRODUCT SPECIFICATIONS

**MATERIAL:**

- Steel with Steel pin

**FINISHES:**

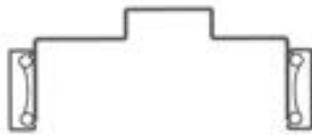
- L1, LS, HQH, USP, US3, US4, US10, US10A, US10B, US15, US26, US26D

## PRODUCT SIZE OPTIONS

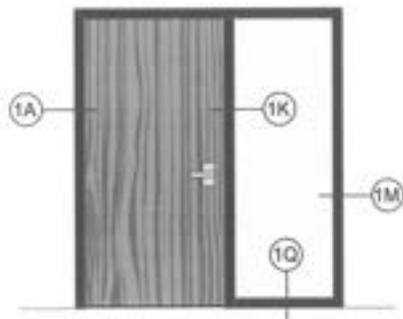
HINGE SIZE (INCHES)	HINGE SIZE (MM)	GAUGE OF METAL	HOLE COUNT	SCREW SIZE (MACHINE)	SCREW SIZE (WOOD)
3 1/2 x 3 1/2	89 x 89	0.119	6	1/2 x 10-24	1 x 9
4 x 4	102 x 102	0.129	8	1/2 x 12-24	1 1/4 x 12
4 1/2 x 4	114 x 102	0.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2 x 4 1/2	114 x 114	0.134	8	1/2 x 12-24	1 1/4 x 12
5 x 4	127 x 102	0.145	8	1/2 x 12-24	1 1/4 x 12
5 x 4 1/2	127 x 114	0.145	8	1/2 x 12-24	1 1/4 x 12
5 x 5	127 x 127	0.145	8	1/2 x 12-24	1 1/4 x 12
6 x 4-1/2	152 x 114	0.160	10	1/2 x 1/4-20	1 1/2 x 14
6 x 5	152 x 127	0.160	10	1/2 x 1/4-20	1 1/2 x 14
6 x 6	152 x 152	0.160	10	1/2 x 1/4-20	1 1/2 x 14

#203A, 206A, 206B, 241A, 242A, 243A, 244A, 245A

**CLASSIC FRAME (S-Series & C-Series) - SINGLE w/GLAZING**

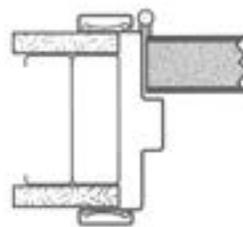


Shown with TA-8 Steel Casing as example.

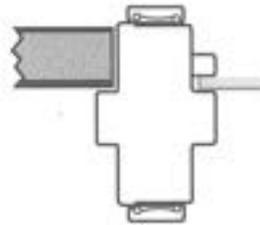


Classic Frame - SINGLE WITH GLAZING

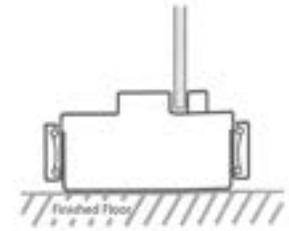
Single with Glazing refers to a single door with attached glazing of your design. You are free to add vertical mullions, horizontal mullions, transoms, or steps to the glazed areas.



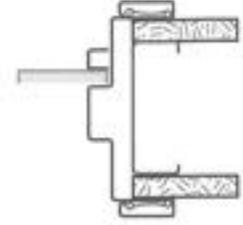
1A Jamb Hinge Side



1K Mullion - Strike Side



1Q Sill Glazing Flush



1M Jamb Glazing

**CLASSIC FRAME (S-Series & C-Series) - SINGLE w/GLAZING**

**RELATED INFORMATION**

**SOUND**

FRAME MATERIALS	DOOR SIZE AND WEIGHT	JAMB DEPTH RANGES	RATINGS
Prefinished Steel Timely Browntone <b>MAX ASSEMBLY SIZE</b> <b>Max. Assembly Width:</b> 12' - 0" * (for Standard Jamb Depths) 10' - 1" * (for Standard Jamb Depths) <b>Max. Assembly Height:</b> 10' - 1"	<b>Door Thickness:</b> 1 3/8" or 1 3/4" <b>Max. Door Weight:</b> 200 lbs. <b>Max. Door Width:</b> 4' - 0" <b>Max. Door Height:</b> 12' - 0" **	<b>Standard Jamb Depths</b> <b>S-Series (20 gage) ** :</b> 3 1/2", 3 3/4", 4", 4 5/8", 4 7/8", 5" and 5 3/8" <b>C-Series (18 gage):</b> 3 1/2", 3 3/4", 4", 4 5/8", 4 7/8", 5", 5 3/8", 6 5/8", 6 7/8" and 7 1/4" <b>Custom Jamb Depths</b> <b>C-Series (18 gage):</b> 3 1/2" to 13" in 1/8" increments. <b>Max. Mullion Length:</b> 10' - 1"	Not Available

\* Wider assemblies will have splice joints in frame and casing. All widths and heights are inside dimensions - net door or glass opening size  
 \*\* Mullions are always supplied in 18 gage.

**CLASSIC FRAME (S-Series & C-Series) - SINGLE w/GLAZING**

**FIRE RATING 45 MINUTE**

ASSEMBLY	DOOR AREA	GLASS AREA*	GENERAL INFORMATION
<b>Max. Width:</b> 9' - 7" <b>Max. Height:</b> 9' - 11"	<b>Max. Door Width:</b> 4' - 0" <b>Max. Door Height:</b> 9' - 0"	<b>Width:</b> up to 2' <b>Max. Height:</b> 8' - 11" Visible light is 1" less in width and height <b>Width:</b> over 2' up to 3' ** <b>Max. Height:</b> 4' - 6' **	<ol style="list-style-type: none"> <li>All openings are approved for Positive and Neutral pressure unless otherwise noted.</li> <li>All ratings apply to steel stud, wood stud, or masonry construction.</li> <li>All ratings approved for category "A" and "B" doors with category "G" edge sealing.</li> <li>Timely's fire rated Metal "U" Insert is recommended for masonry installations. If wood subframe is used in place of Metal "U" Insert, it will be necessary to use fire rated drywall on both sides of wood to maintain fire rating.</li> <li>Aluminum or PVC casing does not affect fire rating. Wood casing must be applied with hot melt glue or contact adhesive on 90 minute rated frames and on all glazed openings with 45 minute or 60 minute rating. On all other fire rated frames, wood casing can be applied with nails or finish head screws on jambs and mullions.</li> <li>Single frames must be prepared for strike plate or reinforced with (TA-12) for a rim exit device strike.</li> </ol>

All dimensions shown are inside dimensions - net door opening size.

\* Multiple Glass Areas can be created with Mullions. The only limitations are Max. Assembly Width and Height.

\*\* For glass widths exceeding 24" the maximum glass area is 1296 sq. in. unless approved by local AHJ.

Distributors of Timely Frames may be approved to purchase labels and apply them to frames at their own facility. Intertek has set guidelines and a fee schedule for this program. Requirements and prices are available from Timely or Intertek.



Standard lever and knob styles



01  
801 - Milled tactile warning



02  
802 - Knurled tactile warning



03  
803 - Knurled tactile warning



05  
805 - Milled tactile warning ✓



06  
806 - Milled tactile warning



07  
807 - Milled tactile warning



12  
812 - Milled tactile warning  
\* Handed



17  
817 - Milled tactile warning



18  
818 - Milled tactile warning

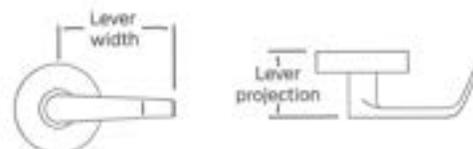


Accent (ACC)  
\* Handed

Dimensions

Lever	Width	Projection
01	3.875"	2.688"
02	4.75"	2.813"
03	4.75"	2.813"
05	3.75"	2.875"
06	4.625"	2.5"
07	4.625"	2.875"
12	4.625"	3.063"
17	4.75"	3"
18	4.875"	2.688"
Accent (ACC)	4.125"	3.125" <small>width</small>

Return to door meets 1/2" requirement for 03, 06 and 17 levers.



\* Not available in 612, 613, 629, or 630 finishes.

Additional information

# Lever styles and finishes

## Decorative levers

				
<b>M51<sup>1</sup></b>	<b>M52<sup>2</sup></b>	<b>M53</b>	<b>M54</b>	<b>M55</b>
				
<b>M56</b>	<b>M57<sup>1</sup></b>	<b>M61<sup>3</sup></b>	<b>M62<sup>1,3</sup></b>	<b>M63<sup>3</sup></b>
				
<b>M81<sup>3</sup></b>	<b>M82</b>	<b>M83</b>	<b>M84</b>	<b>M85<sup>3</sup></b>
				
<b>ME1<sup>2,3,4</sup></b>	<b>ME2<sup>2,3,4</sup></b>	<b>ME3<sup>2,3</sup></b>		

- 1. Available in stainless steel substrate ONLY.
- 2. Knurling available, specify KN when ordering.
- 3. Handed.
- 4. Designed with Genler as product design consultant.

## Standard levers

				
<b>01</b>	<b>02<sup>2</sup></b>	<b>03<sup>1,2</sup></b>	<b>05</b>	<b>06<sup>1,2</sup> (Default lever)</b>
				
<b>07<sup>2</sup></b>	<b>12<sup>3</sup></b>	<b>16 - Omega</b>	<b>17<sup>1,2</sup></b>	<b>18</b>
				
<b>ACC - Accent<sup>3</sup></b>	<b>AST - Asti<sup>3</sup></b>	<b>MER - Merano<sup>3</sup></b>	<b>LAT<sup>1</sup> - Latitude</b>	<b>LON<sup>1</sup> - Longitude</b>

- 1. Available in Stainless Steel - specify SS when ordering.
- 2. Knurling available, specify KN when ordering.
- 3. Handed.



Color	Bright Brass	Satin Brass	Satin Bronze	Satin Nickel	Matte Black/Anodized	Bright Chrome
ANSI/BHMA number	605	606	612	619	622/711	625



Color	Satin Chrome	Aluminum, anodized	Satin Stainless	Aged Bronze	Black Paint	Dark Brown, Anodized
ANSI/BHMA number	626/626AM <sup>†</sup>	628	630/630AM <sup>†</sup>	643e	693	710

\* Durable powder coated finishes available at special request. Please contact factory.  
 † AM = Antimicrobial

Single cylinder non-deadbolt functions



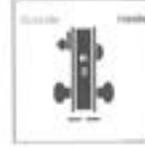
**Schlage L9026**  
**ANSI -**  
Exit lock with cylinder

- No outside trim
- Outside cylinder retracts latchbolt
- Inside lever always free for immediate egress
- Auxiliary latch deadlocks latchbolt when door is locked



**Schlage L9050**  
**LV9050**  
**ANSI F04**  
Office and inner entry lock

- Latchbolt retracted by knob/lever from either side unless outside is made inoperative by key outside or by turning inside thumbturn
- When outside is locked, latchbolt is retracted by key outside or by knob/lever inside
- Outside knob/lever remains locked until thumbturn is returned to vertical or unlocked by key
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever is always free for immediate egress



**Schlage L9056**  
**LV9056**  
**ANSI -**  
L9050 with automatic unlocking

- Latchbolt retracted by knob/lever from either side unless outside is made inoperative by key outside or by rotating inside thumbturn
- Outside knob/lever unlocked by key outside, thumbturn or closing door
- Rotating inside knob/lever simultaneously retracts latchbolt and unlocks outside knob/lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever is always free for immediate egress



Optional 180 degree messaging indicator available



Optional HSLR trim available



Optional 180 degree messaging indicator available



Optional HSLR trim available



**Schlage L9070**  
**LV9070**  
**ANSI F05**  
Classroom lock

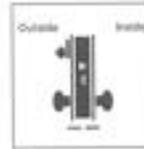
- Latchbolt retracted by lever/knob from either side unless outside lever is locked by key
- Unlocked from outside by key
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional 180 degree messaging indicator available

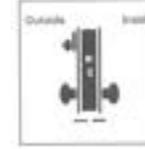


Optional HSLR trim available



**Schlage L9076**  
**LV9076**  
**ANSI F06**  
Classroom holdback lock

- Latchbolt retracted by lever/knob from either side unless outside lever is locked by key
- When locked, latchbolt retracted by key or inside lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Holdback feature activated by turning inside lever/knob and rotating key 360°
- Inside lever always free for immediate egress



**Schlage L9080**  
**LV9080**  
**ANSI F07**  
Storeroom lock

- Latchbolt retracted by lever/knob inside or key outside
- Outside lever/knob is always inoperative
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional HSLR trim available

**INTRODUCTION**

Multi-sized surface closer offering a complete range of arms and a sleek, minimal design suited for moderate- to high-traffic, architectural openings.



**FEATURES**

- » Exceeds 25 million cycles
- » Adjustable spring sizes 1 through 6
- » Tri-Style® packaging standard (regular arm, top jamb and parallel arm mounting)
- » Non-handed
- » Staked valves
- » Cast aluminum closer body
- » Rack and pinion design
- » 1-1/4" (32mm) diameter piston
- » 5/8" (16mm) diameter pinion journals
- » 2-1/8" (54mm) projection (standard covers)
- » All standard arm applications (with slim, full or metal covers) allow doors to swing 180 degrees, conditions permitting
- » Full size template

- » Standard, separate and independent, latch, sweep and back check intensity valves
- » Application specific arms: Regular (S), Top Jamb (JS) and Parallel (P)
- » Heavy-duty arms; Regular Rigid, Parallel Rigid, CloserPlus®, CloserPlus Spring™, Unitrol®
- » Slide Tracks: push or pull side mounting
- » 25-year limited warranty

**OPTIONAL FEATURES**

- » Lead lined metal cover - suffix MLL
- » Metal, architectural plastic or architectural metal covers (8501 only)
- » Delayed action

Features	8301	8501
Slim Line Cover	✓	
Full cover		✓

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## 1270 Series Wall Bumpers



The Trimco 1270 Series is an attractive, metal-encased, rubber wall stop for use with all styles of locksets and handles. A highly engineered product designed for maximum versatility and durability. The 1270 Series utilizes a steel washer embedded into the rubber bumper to prevent vandalism and unauthorized removal. Available options include convex or concave industrial rubber bumpers, strong wrought or cast construction, tamper resistant school and prison models, as well as large, small and modern styles. Complete with a combo pack of fasteners for all wall types, the 1270 Series will tackle most any application.

### Functions/Options Features

- 1270CV - Wall Bumper, Cast, Concave
- 1270CVPV - Wall Bumper, Cast, Concave, Prison Version
- 1270CVSV - Wall Bumper, Cast, Concave, School Version
- 1270CX - Wall Bumper, Cast, Convex
- 1270CXPV - Wall Bumper, Cast, Convex, Prison Version
- 1270CXSV - Wall Bumper, Cast, Convex, School Version
- 1270WV - Wall Bumper, Wrought, Concave
- 1270WX - Wall Bumper, Wrought, Convex
- 7276V - fOCAL Wall Bumper, Cast, Concave
- 7276X - fOCAL Wall Bumper, Cast, Convex
- W7276V - fOCAL Wall Bumper, Wrought, Concave
- W7276X - fOCAL Wall Bumper, Wrought, Convex
- 1275RP - Wall Bumper, Small, Convex
- 1277 - Wall Bumper, Large, Cast
- 7278 - fOCAL Wall Bumper, Cast, Concave
- 1278CV - Wall Bumper, Décor, Cast, Concave
- 1278CX - Wall Bumper, Décor, Cast, Convex

### Product Features

- Wrought or cast construction with special high-abuse and tamper resistant options for schools and prisons
- Heavy steel washer cast into the rubber to resist tampering or unauthorized removal
- Available in either cast or wrought, and in most architectural finishes
- Provided with a combination fasteners pack for a variety of installation conditions
- 1270CVPV and 1270CXPV prison version includes anti-rotation pin to prevent removal from wall
- 1270CVSV and 1270CXSV is surface mounted for school applications
- Large, small and designer fOCAL options available

### Available Finishes



606 Satin Brass,  
Clear Coated



609 Satin Brass,  
Blackened,  
Satin Relieved,  
Clear Coated



612 Satin  
Bronze, Clear  
Coated



613 Dark  
Oxidized Satin  
Bronze, Oil  
Rubbed



618 Satin Nickel  
Plated, Clear  
Coated



620 Satin Nickel  
Plated,  
Blackened,  
Satin Relieved,  
Clear Coated



625 Bright  
Chrome Plated



626 Satin  
Chrome Plated

# 3910 & 3911 Series Dust Proof Strikes


 3910N  
No Face Plate


## ABOUT THE 3910 & 3911 DUST PROOF STRIKES

The 3910 & 3911 Series are specifically designed for use with the Trimco 3800 Series Automatic and Semi-Automatic Flushbolts, as well as the Trimco Manual Flushbolt assemblies. The 3910 and 3911 Series have a large  $\frac{3}{4}$ " diameter target area and a soft spring to aid ADA compliance. For a 3910 with no face plate, specify 3910N. The 3911 Adjustable Dust Proof Strike includes a wrench to twist and adjust the depth of the strike.

### FEATURES

- Pairs with Trimco Automatic, Semi-Automatic, and Manual Flushbolts
- Soft Spring to aid ADA compliance
- Durable construction
- Large  $\frac{3}{4}$ " diameter target area

### APPLICATIONS

- K-12 Schools
- Colleges & Universities
- Healthcare
- Government Facilities
- Public Buildings
- Hospitality

### FINISHES

- 605 Polished Brass
- 606 Satin Brass
- 613 Oil Rubbed Bronze
- 625 Polished Chrome
- 626 Satin Chrome
- 629 Polished Stainless Steel
- 630 Satin Stainless Steel
- Inquire for special finishes



TRIMCO#	3910	3910N
OA	3/32" x 1-5/16" x 2-1/2"	
DP	1-1/2"	
BHMA	L04021	

Br, Bz, Pl, SS

**Dust Proof Strike**  
To omit faceplate add suffix "N".



TRIMCO#	3911
OA	3/32" x 1-5/16" x 1-5/8"
DP	1-1/2"
BHMA	L04021

Br, Bz, Pl, SS

**Adjustable Dust Proof Strike**  
For carpet or threshold.

## K Series Kick Plates

Trimco's Protection Plates are offered with many value-added standard features, as well as custom options to meet job specifications. Trimco's Protection Plates are manufactured in the USA from stainless steel, bronze or brass and include pencil bevel on all four edges standard. Other options include heavy bevel, countersinking, UL labeling and custom cutouts. Multiple material options create an offering that is flexible for most any application. Damage resistant packaging separates fasteners and ensures Trimco's Protection Plates arrive at the jobsite in good condition.



### Functions/Options Features

- K0038 Kick plate, .038", 7'-16" high
- K0050 Kick plate, .050", 7'-16" high
- K0064 Kick plate, .064", 7'-16" high
- K0125 Kick plate, .125", 7'-16" high
- K6000 Plastic Kick plate, .125", 8'-48" high

### Product Features

- Manufactured in the United States.
- Heavy duty .050" stainless steel, brass, bronze or aluminum material standard. Other materials including .038", .062", .125" and custom options available.
- Pencil beveled on all four sides standard.
- Stretcher plates include heavy bevel and oval head screws standard.
- Damage resistant packaging separates fasteners and ensures product quality at the jobsite.
- Options include UL labeling, heavy bevel, countersinking and security screws.
- Custom cutouts, sizes and shapes available.

### Available Finishes



606 Satin Brass,  
Clear Coated



613 Dark Oxidized  
Satin Bronze, Oil  
Rubbed



628 Satin  
Aluminum, Clear  
Anodized



629 Polished  
Stainless Steel



630 Satin Stainless  
Steel

Plastic 1595-60  
Black

Plastic D90-60  
Khaki Brown

Plastic 1530-60  
Beige

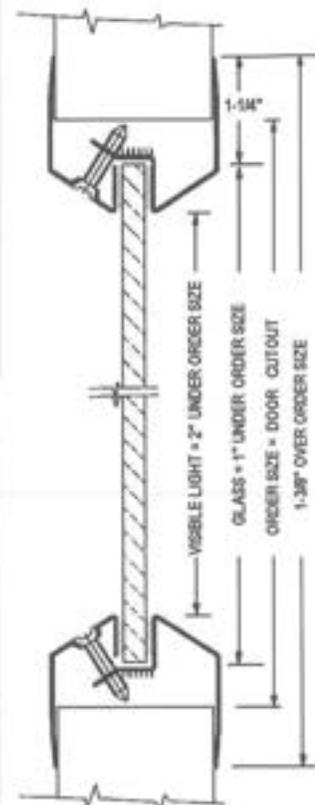
Plastic D92-60  
Dove Grey

Plastic 1573-60  
Frosty White

Low Profile Beveled Vision Lite For Fire Rated Doors. Self-Attaching for Glass 3/16" to 1/4"  
 Frame Has Single-side Fasteners. Available in Round Shapes or Wood Veneer

**SPECIFICATIONS:**

<b>Material:</b>	20 gauge CRS frame. Min Size 3" x 3", Max 60" x 104". See Fire Rating Below.
<b>Construction:</b>	1-1/4" trim with radius corners, mitered and welded. Continuous glass retainer, countersunk mounting holes in the bevel on non-corridor side.
<b>Door:</b>	For 1-3/4" door. For other sizes, see models VSIG, VLFIG & VLFEZIG. Door cutout = order size.
<b>Fasteners:</b>	#8 x 1" flathead philips SMS to match finish. <u>Woodlite</u> has wood veneer plugs covering screw heads.
<b>Powder Coat Finishes:</b>	___ (B) Mineral Bronze ___ (G) Gray (stock colors for VSL) ___ (BK) Black ___ (FBK) Flat Black ___ (W) White ___ (SB) SC Beige ___ (SI) Silver ___ (BRA) Brass ___ (S) Sand ___ (AB) AMS Beige ___ <a href="#">View Color Samples Online</a>
<b>Glass:</b>	3/16"- 1/4" glazing to be ordered separately from <b>Glazing Section</b> of catalog. Use fire rated glazing with Warnock Hersey (WHI) or UL classification markings for fire rated applications. Visible light is 2" under rough opening size. <u>Glass size is 1" under order size.</u> <u>Fire-Rated Air Louvers Glazing to fit this Product: WS, KFRF, PYRO, and PPF.</u>
<b>Fire-Rating, Testing &amp; Listings:</b>	When installed in properly rated and approved door, ratings up to 3 hours can be achieved for VSL and SLR, depending on the glazing used. See glazing ratings for max exposed area. Tested and Listed for UL 10C and Criteria of UBC 7-2 Positive Pressure. See detailed installation instructions.



**OPTIONS AT ADDITIONAL COST:**



<b>PAK:</b>	Includes Vision Lite, Glass Sized to Fit, Applied Glazing tape for UL10B Installations, Securely Packaged Individually.
<b>UBC 7-2 Installation:</b>	___ Additional intumescent tape for Positive Pressure UL10C. See detailed installation instructions. <b>NOTE: Intumescent tape NOT needed for 20 Minute Wood doors for UL Label.</b>
<b>Finishes &amp; Materials:</b>	___ (S) 20 Gauge Stainless Steel: #4 Finish. ___ (G) Galvanized Sheet for Exterior Applications. ___ (E) Electro Zinc Plating for Maximum Corrosion Resistance.
<b>Woodlite Wood Veneers:</b>	___ VWL .010 Wood Veneer to Match Wood Finish. (excludes SLR ) Rated 90 mins ___ Veneer Type: (MA) Maple, (WB) White Birch, (RO) Red Oak. <a href="#">See website for more wood type codes and photos.</a> Up to 60" x 77". Samples upon request.
<b>Fasteners:</b>	___ Torx ___ Other: _____
<b>Mullions:</b>	Factory welded to vision lite & painted. See Mullions Page in this section to order.
<b>Round Lite Two Sizes:</b>	___ VSLR-12: One piece, 18 gauge construction. 11" glazing. (n/a (S) material) ___ VSLR-18: One piece, 18 gauge construction. 17" glazing. (n/a (S) material)
<b>Privacy Screen:</b>	Add the Velo Privacy Screen to This Vision Lite— <a href="#">See Web Page for Details</a>
<b>Custom:</b>	Contact customer service for special orders.

**STOCK ITEM - MANY STANDARD SIZES OF VSL FRAMES IN STOCK FOR NEXT DAY SHIPMENT FROM ALL WAREHOUSES**

**Order Format:**

VSL, VSLR, VWL Option S,G,E W H Color

Example: VSL 1212W

Interpretation of Fire and Building Codes May Vary. Consult with the Local Authority Having Jurisdiction (AHJ) to determine appropriate standards.

<p>© 2019 Activar Construction Products Group, Inc.</p>	<b>Distributor:</b>	Width: _____ x Height: _____
	<b>Architect:</b>	Quantity:
	<b>Contractor:</b>	Model:
	<b>Project:</b>	Date: _____ Version: ALPDS1901
800-554-8077 <a href="mailto:QUOTES@ACTIVARCPG.COM">QUOTES@ACTIVARCPG.COM</a> <a href="mailto:ORDERS@ACTIVARCPG.COM">ORDERS@ACTIVARCPG.COM</a> <a href="mailto:SALES@ACTIVARCPG.COM">SALES@ACTIVARCPG.COM</a> VISIT <a href="http://WWW.ACTIVARCPG.COM">WWW.ACTIVARCPG.COM</a> FOR THE MOST UPDATED PRODUCT INFORMATION BEFORE ORDERING MFG: COMMERCE CA, BLOOMINGTON, MN • WAREHOUSES: LANCASTER PA, ATLANTA GA, CHICAGO IL, SEATTLE WA, FORT MYERS FL, DALLAS TX, FARGO ND, OMAHA NE		