COUNTY OF VENTURA
PUBLIC WORKS AGENCY

Date: January 6, 2026

To: All Prospective Bidders

From: Gregg Strakaluse
Director of Public Works

Addendum No.2

Subject: **Project Name: E.P. Foster Library Modernization**
Specification No. CP24-01
Bids to be Opened Wednesday, January 14, 2026

Make the following modifications to the bidding documents for subject project:

CHANGES TO PLANS

1. Replace Sheet A-400 Door Schedule with attached Addendum No. 2 Sheet A-400 Door Schedule.
   Explanation: See revision clouds. Door schedule and storefront detail references have been updated.

2. Replace Sheet A- 703 Wall Types & Misc Details with attached Addendum No. 2 Sheet A- 703 Wall Types & Misc Details.
   Explanation: See revision clouds. Wall to (N) Storefront & Wall to (E) Window details are updated. Transition details have been added.

3. Replace Sheet A-707 Roof Details with attached Addendum No. 2 Sheet A-707 Roof Details.
   Explanation: See revision clouds. New Roof Detail 9 - Roof Metal Drip Edge and new Detail 10 - Reglet Mounted Counterflashing have been added.

SPECIFICATIONS

1. Replace Specification Section 26 0720 – Fire Alarm Detection Systems with the attached Addendum No. 2 Specification Section 26 0720 Fire Alarm Detection Systems.

RESPONSES TO RFI'S

1. *Question: What is the scope of work for the fire alarm?*

   Reply: Existing fire alarm system is to be fully removed. New fire alarm is a deferred approval and shall be a Bay Alarm system. See attached Addendum No. 2 Specification Section 26 0720 Fire Alarm Detection Systems.

2. *Question: Will the stairs receive a broadloom carpet or rubber stair treads?*

   Reply: Flooring for stairs (Room No. 110, 117, 122, 203, 211, & 218) shall be resilient treads and risers per Technical Specification section 09 65 00.

3. *Question: Is flooring being installed in locations E11, E12, E13?*

   Reply: For the closets adjacent to the Topping Room, extend the floor finish noted from Room 125 on sheet A402 into these areas without a threshold.

4. *Question: Please advise what profile Roppe Contour Rubber Base the architect wants to proceed with?*

   Reply: For Technical Specification section 09 65 00 Resilient Flooring, Paragraph 2.04 A 1 a, please remove the reference to "Contours Profiled Wall Base" and replace it with "Pinnacle Rubber Base, Standard Toe".

5. *Question: Specification Section 07 0150.19 - Preparation for Re-Roofing references related spec section 06 1500 - Wood Decking, however it is not included in the project spec book. Please provide spec section.*

   Reply: In Section 07 0150.19 - *Preparation for Re-Roofing*, replace the reference to 06 1500 “Wood Decking” with a reference to Specification Section 06 1600 - Sheathing.

6. *Question: Note 5 on sheet A-402 states reference details on the sheet for transitions at all flooring material changes. However, there are not any details listed on the sheet. Please provide missing details for flooring transitions.*

   Reply: Floor transitions basis of design shall be Schluter stainless steel RENO-U for sloped transitions and DECO for same-height transitions; heights as required by adjacent materials.

7. *Question: On sheet AD-201- Demo First Floor Plan in vestibule room 120, the concrete beneath the terrazzo flooring is shown to be demolished, however, per keynote 230, the terrazzo flooring is to remain. Please clarify the floor finish for the vestibule.*

   Reply: Due to the plumbing trench that will run through Vestibule 120, the existing terrazzo floor shall be removed and floated level to adjacent concrete subfloor such that new carpet tiles can be installed in this area (extended from the main library space) up to the storefront entrance system.

8. *Question: Addendum No. 1 Specification Section 14 24 10 Modernization of Existing Hydraulic Elevator, Section 2.02.16.a, Elevator interior finishes are per plans. There are no finishes called out on interior cab elevations, 6/A-502. Please provide the interior elevator cab finish specifications.*

   Reply: Elevator car enclosure requirements are listed in Section 14 24 10-2.10.B. Basis of Design shall be Forms & Surfaces LEVELc-1000 with satin-finish stainless steel wall, base, and ceiling panels.

9. *Question: Wood doors are to be HPDL Laminate per Specifications 08 1416. Per specifications " As indicated on Drawings". However, Laminate is not provided on Door Schedule or Finish Schedule. Please provide*

   Reply: Basis of Design shall be Wilsonart Woodgrains “Maple PB Nutmeg #8271 and shall match existing doors

10. *Question: Please confirm the ceiling demo and scope of replacement.*

    Reply: Per Sheet AD-206 - Demo RCP- First Floor & AD-207- Demo RCP- Second Floor, the existing ceiling grid system & acoustic tiles shall be replaced with new.

11. *Question: Sheet A-705 – Door & Storefront Details, Detail 10, depicts a bullnose (radiused) fascia profile at the light shelves. Arcadia has advised that this profile triggers a minimum aluminum poundage/gauge requirement based on fabrication limitations. This project does not meet the minimum poundage, therefore it will be cost prohibitive (very expensive) to provide these exact bullnose light shelves by the specified manufacturer. Please confirm if a square-edge profile in lieu of the bullnose profile can be used, therefore, it will be more cost effective.*

    Reply: The square end profile is acceptable.

12. *Question: What is the roof walkway layout?*

    Reply: Contractor shall incorporate walk pads to cover 200 L.F. of rooftop walkway with manufacturer's standard size walk pads.

13. *Question: SCE conduits and vault?*

    Reply: Contractor is responsible for encroachment permits, traffic control, saw cutting, trenching & backfilling & patch back as required. The SCE vault is existing. Contractor shall install conduits. See sheet E-200 for correct location of switchgear.

14. *Question: Sheet A-204 – Lower Roof Plan, Note 275 indicates to re-coat existing balcony deck. Please provide specifications or type of material to use.*

    Reply: Use Flowcrete's DeckShield ED or Dex-O-Tex Weatherwear.

15. *Question: Are the downspouts being reused or are new downspouts required?*

    Reply: Downspouts shall be new to match existing, including painted finish.

16. *Question: Does the upper roof require a roof hatch?*

    Reply: Yes, install a new roof hatch and a ladder similar to that specified for the lower roof (Topping Room), at or near the existing roof ladder into the penthouse. Height from finish floor to roof at that location is approximately 12'-8".

17. *Question: Sheet A-402 – Roof Finish Schedule references M5 ceramic tile for both walls and floors at restrooms. However, Spec Section 09 30 00 - Tiling does not clarify the tile type, manufacturer or color required at the restroom floors. Please confirm tile type for restroom floors and walls.*

    Reply: Floor tile shall be colorbody porcelain per Spec Section 09 30 00-2.03B, with basis of design as DalTile's Platinum series in Sand PH62. Wall tile shall be glazed wall tile per 09 3000-2.03A, with basis of design as DalTile's Color Wheel Classic series in Matte Elemental Tan 0766.

18. *Question: Please provide specification section for thermal and acoustical insulation.*

    Reply: Roof insulation is per Section 07 55 00 - Modified Bituminous Membrane Roofing (rigid insulation as part of the roofing system). Interior acoustic wall insulation basis of design shall be Owens Corning Pink Next Gen Sound Attenuation Batts (SAB), thickness to match wall cavity.

19. *Question: Confirm there are no window coverings / blinds for any or all exterior windows or interior windows / sidelites.*

    Reply: Some exterior windows have existing exterior roll shades that are to be removed and reinstalled, refer to Exterior Elevation sheets, A-301 and A-302. There are no new interior-side window shades or blinds in the scope of this project.

20. *Question: Corner Guards, A-402, Note #7, there are no corner guards indicated on elevations or floor plans, and no specific product is specified. Notes states at all outside corners. Are corner guards required on this project? If so, can we get more information to clarify the manufacturer, product type, locations and quantity?*

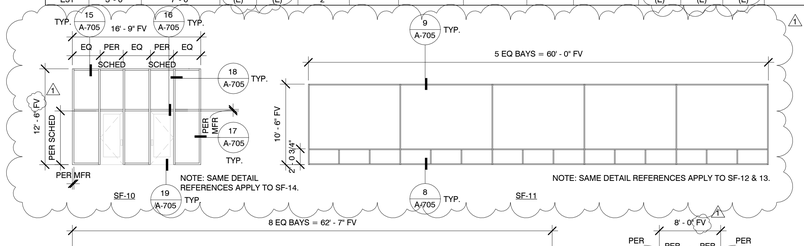
    Reply: Per plans: Install at all exposed outside corner locations. Acceptable products include CS Group's CO-8, InPro's Stainless Steel Corner Guards, and JTC Metals 304ss#4 with winglets.

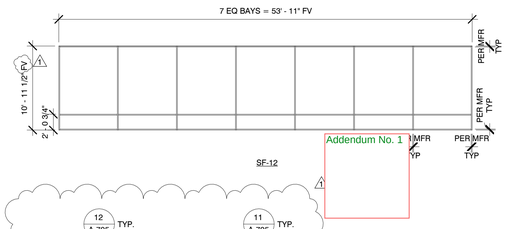
Acknowledgment of this addendum is required on the Bonfire website when submitting your bid. Failure to do so may result in the disqualification of your bid.

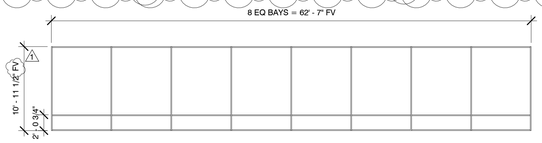
Approved: _____ 01/06/2025
Gregg Strakaluse, Director Date Approved

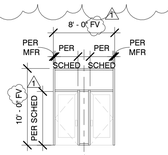
DOOR SCHEDULE

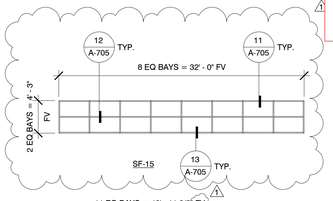
MARK	W	H	TYPE	MAT'L	THICK	COLOR	LITE CUTOUTS	LVR CUTOUTS	HDWR GROUP	ASS'Y FIRE RATING	FRAME TYPE	FRAME MAT'L	FRAME FINISH	FRAME COLOR	HEAD	JAMB	SILL	REMARKS
101A	3' - 0"	7' - 0"	A	ALUM	1 3/4"		1				3	ALUM	FF		16/A-705	18/A-705	19/A-705	PH
101B	3' - 0"	7' - 0"	A	ALUM	1 3/4"		1				3	ALUM	FF	1	16/A-705	18/A-705	19/A-705	PH
101C	3' - 0"	7' - 0"	A	ALUM	1 3/4"		1				3	ALUM	FF		15/A-705	17/A-705	19/A-705	
102	3' - 0"	7' - 0"	A	ALUM	1 3/4"		1				3	ALUM	FF		19/A-704	13/A-704	19/A-705	
103A	3' - 0"	7' - 0"	C	WD	1 3/4"						2	HM	PT		1/A-705	1/A-705	19/A-705	
103B	3' - 0"	7' - 0"	C	WD	1 3/4"						2	HM	PT		1/A-705	1/A-705	19/A-705	
105	3' - 0"	7' - 0"	E	HM	1 3/4"						2	HM	PT		1/A-705	1/A-705	19/A-705	
106	3' - 0"	7' - 0"	E	HM	1 3/4"					1	2	HM	PT		1/A-705	1/A-705	19/A-705	
107	3' - 0"	7' - 0"	E	HM	1 3/4"					20 MIN. /S	2	HM	PT		2/A-705	2/A-705	19/A-705	
108	3' - 0"	7' - 0"	E	HM	1 3/4"			1			2	HM	PT	1	1/A-705	1/A-705	19/A-705	1
109	3' - 0"	7' - 0"	A	ALUM	1 3/4"		1				3	ALUM	FF		19/A-704	13/A-704	19/A-705	
113A	3' - 0"	7' - 0"	D	WD	1 3/4"		1				3	ALUM	FF		19/A-704	13/A-704	19/A-705	INTEGRAL SIDELITE
113B	3' - 0"	7' - 0"	D	WD	1 3/4"		1				3	ALUM	FF		19/A-704	13/A-704	19/A-705	INTEGRAL SIDELITE
113C	3' - 0"	7' - 0"	D	WD	1 3/4"		1				3	ALUM	FF		19/A-704	13/A-704	19/A-705	INTEGRAL SIDELITE
120A	3' - 0"	7' - 0"	A	ALUM	1 3/4"		1				3	ALUM	FF		16/A-705	18/A-705	19/A-705	PH
120B	3' - 0"	7' - 0"	A	ALUM	1 3/4"		1				3	ALUM	FF		16/A-705	18/A-705	19/A-705	PH
123	6' - 0"	7' - 0"	B	ALUM	1 3/4"		2				1	ALUM	FF		15/A-705	17/A-705	19/A-705	PH
126	3' - 0"	7' - 0"	E	HM	1 3/4"					20 MIN. /S	2	HM	PT		1/A-705	1/A-705	19/A-705	
201	6' - 0"	7' - 0"	B	ALUM	1 3/4"		2				1	ALUM	FF					PH. (N) AUTO. OPERATOR
213	3' - 0"	7' - 0"	C	WD	1 3/4"						2	HM	PT					(E) REFURBISHED
214	3' - 0"	7' - 0"	C	WD	1 3/4"						2	HM	PT					(E) REFURBISHED
215	3' - 0"	7' - 0"	C	WD	1 3/4"						2	HM	PT					(E) REFURBISHED
E1	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E2	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E3	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E4	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E5	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E6	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E7	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E8	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E9	3' - 0"	6' - 8"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E10	3' - 0"	6' - 8"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E11	6' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E12	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E13	6' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E14	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E15	3' - 0"	3' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E16	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E17	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E18	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E19	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR OPENING
E20	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E21	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E22	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E23	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E24	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E25	3' - 0"	3' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E26	3' - 0"	3' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR
E28	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR OPENING
E29	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR OPENING
E30	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR OPENING
E31	3' - 0"	7' - 0"	(E)	(E)	2"						(E)	(E)	(E)					(E) DOOR

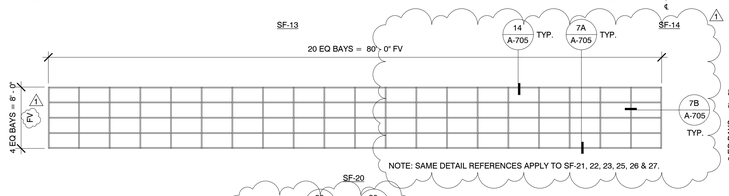


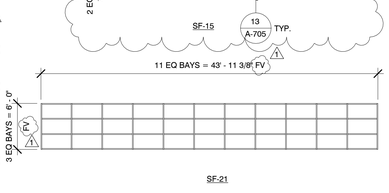


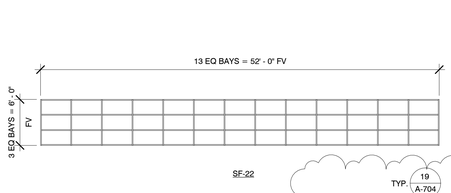


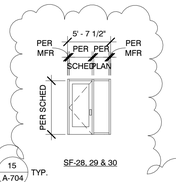


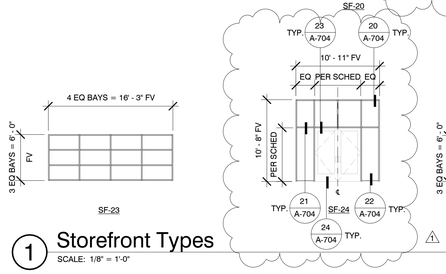


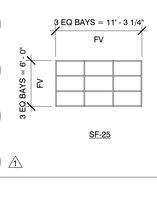


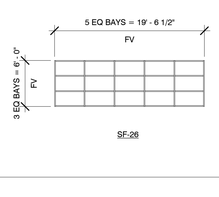


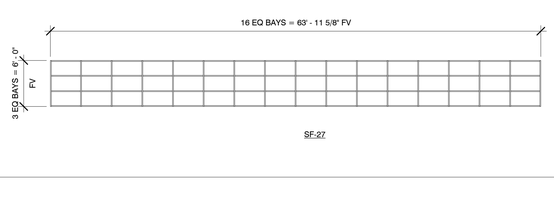


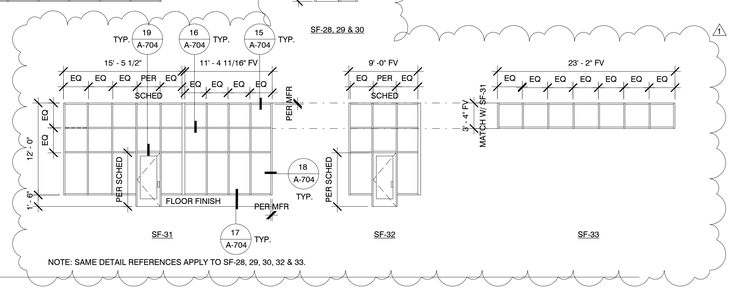




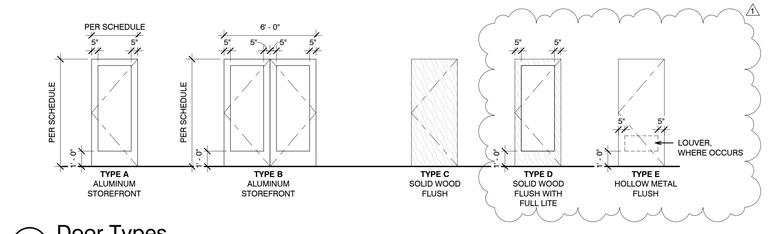




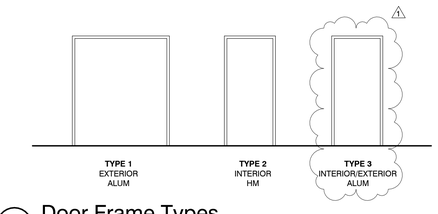




1 Storefront Types
SCALE: 1/8" = 1'-0"



2 Door Types
SCALE: 1/4" = 1'-0"



3 Door Frame Types
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. SEE PAINT COLOR LEGEND ON A-401.
2. VERIFY ALL ROUGH OPENINGS DIMENSIONS PRIOR TO FABRICATION.
3. ALL DOORS AND GATES WITHIN THE ACCESSIBILITY PATH OF TRAVEL SHALL HAVE LEVER HARDWARE U.O.N. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED MINIMUM 34" AND MAXIMUM 44" ABOVE FINISH FLOOR. (CBC 1008.1.9.2).
4. ALL EXIT DOORS SHALL BE OPENABLE FROM INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE (CBC 1008.1.9) AND THE FORCE REQUIRED TO PUSH OR PULL AN EGRESS DOOR TO THE OPEN POSITION SHALL NOT EXCEED 5 POUNDS (CBC 1008.1.3).
5. GLAZING IN DOORS OR WITHIN 40" OF ANY DOOR LOCKING MECHANISM SHALL BE FULLY TEMPERED SAFETY GLASS.
6. ALL GLAZING IN EXTERIOR DOORS & WINDOWS SHALL HAVE A MAXIMUM SHGC- VALUE OF 0.29 AND A MAXIMUM U-VALUE OF 0.29 MANUFACTURED WINDOWS SHALL BE CERTIFIED AND LABELED TO SHOW COMPLIANCE WITH THESE STANDARDS.
7. ALL PEDESTRIAN DOORS AND GATES WITHIN THE ACCESSIBLE PATH OF TRAVEL SHALL BE PROVIDED WITH KICKPLATE AT THE BOTTOM 10 INCHES OF THE PUSH SIDE OF THE DOOR/GATE.
8. SEE PAINT SCHEDULE IN SECTION 099100 FOR PAINT FINISH CODES.

GLAZING TYPES

GL1A LAMINATED CLEAR

GL3A 1" DUAL (INSULATING) FULLY-TEMPERED GLASS w/ LOWe

ABBREVIATIONS

ALUM	ALUMINUM
FF	FACTORY FINISH
GALV	GALVINIZED
HM	HOLLOW METAL
PH	PANIC HARDWARE
STL	STEEL
WD	WOOD
(E)	EXISTING

1

COUNTY of VENTURA Library

PUBLIC VENTURA COUNTY WORKS

ENGINEERING SERVICES

KRUGER BENSEN ZIEMER ARCHITECTS, INC.
199 FIGUEROA STREET, SUITE 100A
VENTURA, CA 93001
TELEPHONE (805) 963-1726

TODD A JESPERSEN AIA
PRINCIPAL-IN-CHARGE

JONATHAN D LEE AIA
PROJECT MANAGER

PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO **BP25-02229**

NO	REVISION	DATE
1	Owner Changes	08/11/25

PUBLIC WORKS PROJECT MANAGER
DEVI NALLAMALA

PRINCINPAL-IN-CHARGE
TODD A JESPERSEN AIA

DRAWN BY JONATHAN D LEE AIA
CHECKED BY TODD A JESPERSEN AIA
ARCHITECT'S JOB NO 24004
DATE 07/11/2025

PROJECT TITLE AND ADDRESS

E. P. FOSTER LIBRARY MODERNIZATION

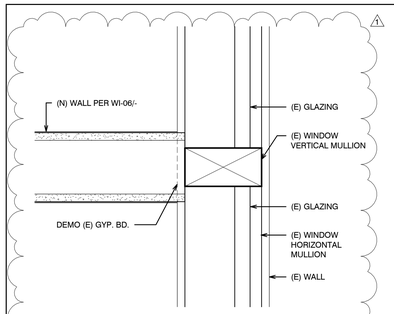
651 E MAIN ST,
VENTURA, CA 93001

COUNTY SPEC NUMBER CP26-12
COUNTY PROJECT NUMBER P6T24008
COUNTY DWG NO **SHEET** OF
SHEET TITLE

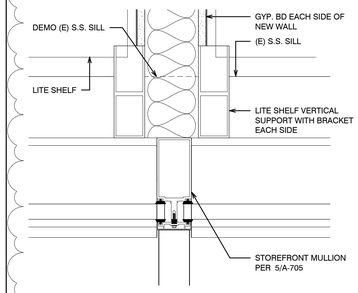
DOOR SCHEDULE

SHEET NO A-400

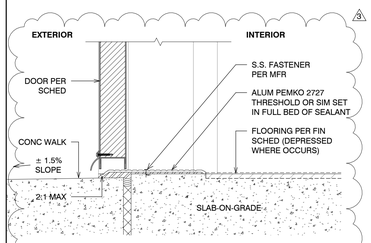
Addendum No. 2



10 Wall to (E) Window
SCALE: 3" = 1'-0"

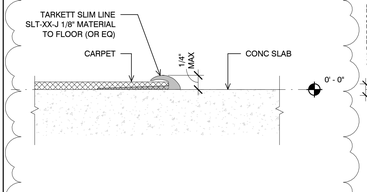


11 Wall to (N) Storefront
SCALE: 3" = 1'-0"

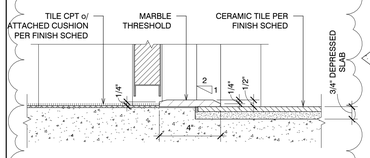


NOTE: ALL THRESHOLDS TO SLOPE OUTWARDS

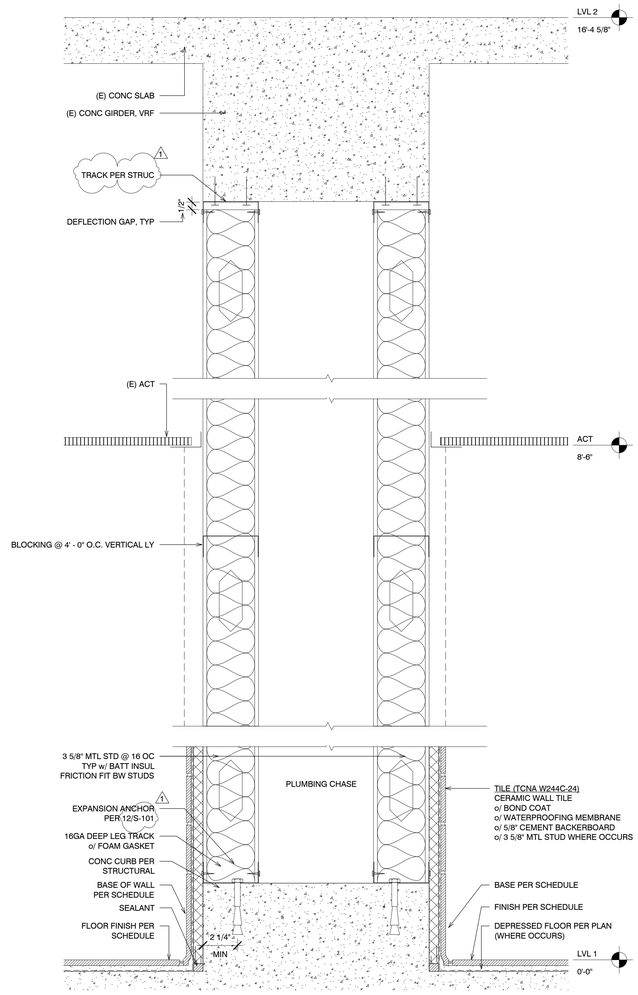
12 Threshold @ Ext Door
SCALE: 3" = 1'-0"



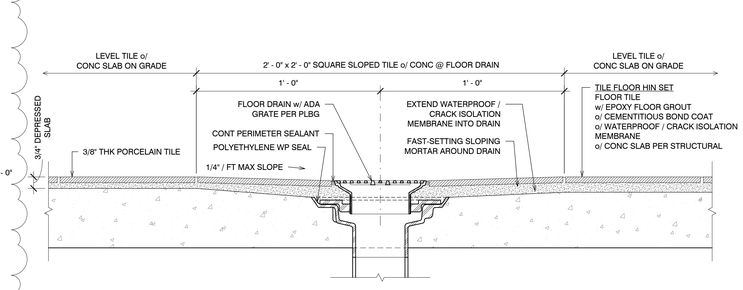
13 Transition - Carpet to Concrete
SCALE: 12" = 1'-0"



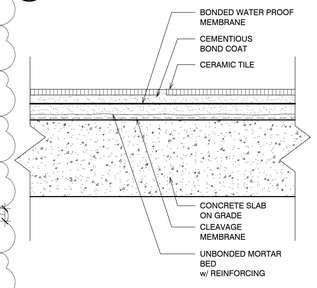
14 Transition - Carpet to Ceramic Tile
SCALE: 3" = 1'-0"



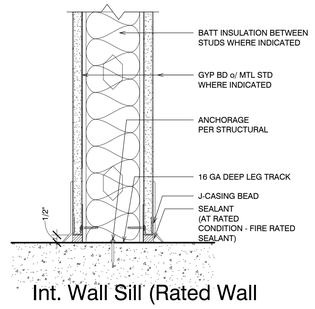
6 Pumbing Chase Wall Section
SCALE: 3" = 1'-0"



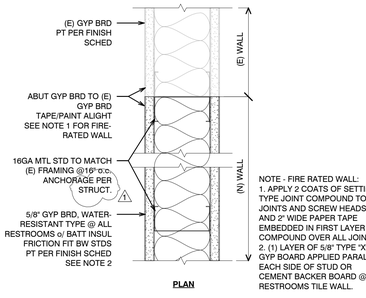
7 Sloped Tile Foor @ Drain, Typ
SCALE: 3" = 1'-0"



9 Ceramic Tile Floor (TCNA F121-15)
SCALE: 3" = 1'-0"



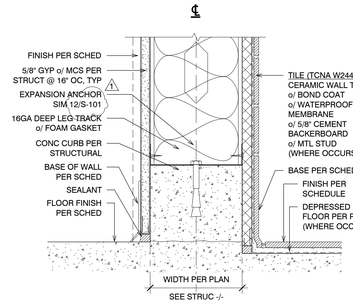
8 Int. Wall Sill (Rated Wall Similar)
SCALE: 3" = 1'-0"



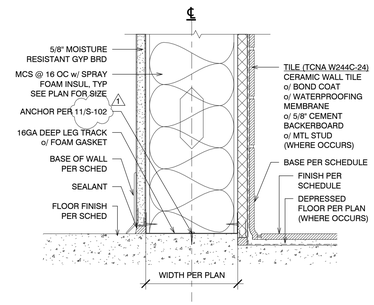
PLAN

NOTE - FIRE RATED WALL:
1. APPLY 2 COATS OF SETTING TYPE JOINT COMPOUND TO JOINTS AND SCREW HEADS AND 2" WIDE PAPER TAPE EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS.
2. (1) LAYER OF 5/8" TYPE "X" GYP BOARD APPLIED PARALLEL EACH SIDE OF STUD OR CEMENT BACKER BOARD @ RESTROOMS TILE WALL.

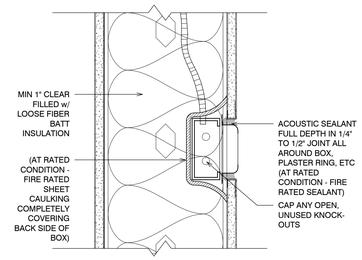
1 Plan Detail
SCALE: 3" = 1'-0"



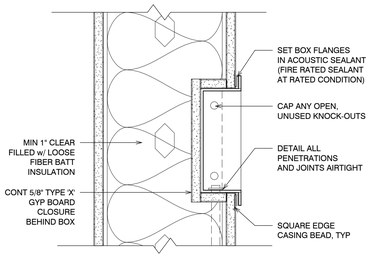
2 Interior Curb
SCALE: 3" = 1'-0"



3 Base of Partition
SCALE: 3" = 1'-0"

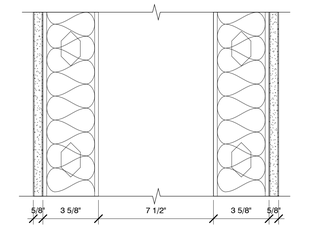


4 Recessed Box Less Than 4"x8"
SCALE: 3" = 1'-0"



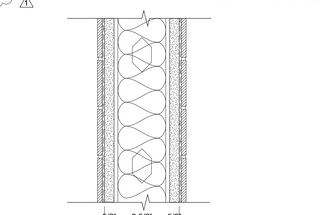
5 Recessed Box Greater Than 4"x8"
SCALE: 3" = 1'-0"

Addendum No. 2



ONE LAYER 1/2" GYPSUM WALLBOARD APPLIED PARALLEL TO EACH SIDE OF 3 1/2" W (VRF W IN FIELD TO MATCH (E) WALL), 1-5/8" LEGS, 9/16" FOLDED BACK RETURNS,16GA GALV STEEL STUD, 16" o.c. w/ 1" TYPE S DRYWALL SCREW, 8" o.c. AT VERTICAL JOINTS, GLASS FIBER INSULATION FRICTION FIT IN STUD SPACE TO MATCH STUD WIDTH. APPLY 2 COATS OF JOINT COMPOUND TO JOINTS AND SCREW HEADS AND 2" WIDE PAPER TAPE EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS.

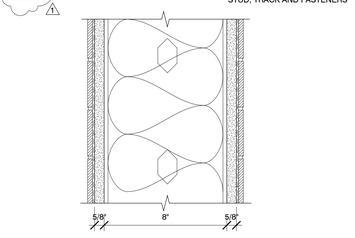
WI-06 Wall Assembly
SCALE: 3" = 1'-0"



ONE LAYER 5/8" GYPSUM WALLBOARD TYPE 'X' APPLIED PARALLEL TO 1 SIDE OF 3 5/8" W (VRF W IN FIELD TO MATCH (E) WALL), 1-5/8" LEGS, 9/16" FOLDED BACK RETURNS,16GA GALV STEEL STUD, 16" o.c. w/ 1" TYPE S DRYWALL SCREW, 8" o.c. AT VERTICAL JOINTS, GLASS FIBER INSULATION FRICTION FIT IN STUD SPACE TO MATCH STUD WIDTH. APPLY 2 COATS OF JOINT COMPOUND TO JOINTS AND SCREW HEADS AND 2" WIDE PAPER TAPE EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS. THIN SET TILE FINISH o/ BOND COAT o/ WATERPROOFING MEMBRANE o/ 5/8" CEMENT BACKER BOARD TO RESTROOM SIDE (MOISTURE RESISTANT @ ALL RESTROOMS, SEE FLOOR PLANS)

WR-01 Wall Assembly
SCALE: 3" = 1'-0"

UL DESIGN #U495-1HR

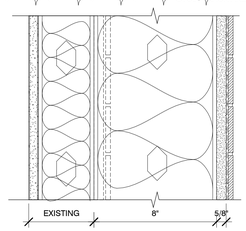


ONE LAYER 5/8" CEMENT BACKER BOARD (MOISTURE RESISTANT @ ALL RESTROOMS, SEE FLOOR PLANS) APPLIED PARALLEL TO EACH SIDE OF 8" W, 1-5/8" LEGS, 9/16" FOLDED BACK RETURNS,16GA GALV STEEL STUD, 16" o.c. w/ 1" TYPE S DRYWALL SCREW, 8" o.c. AT VERTICAL JOINTS, 8" GLASS FIBER INSULATION FRICTION FIT IN STUD SPACE. THIN SET TILE FINISH o/ BOND COAT o/ WATERPROOFING MEMBRANE o/ BACKER BOARD WHERE INDICATED

WI-03 Wall Assembly
SCALE: 3" = 1'-0"

INTERIOR WALL

REFER TO SHEET S-901 FOR TYPICAL STUD, TRACK AND FASTENERS

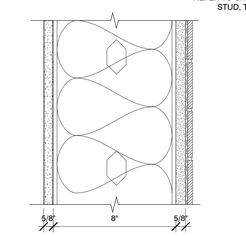


ONE LAYER 5/8" CEMENT BACKER BOARD (MOISTURE RESISTANT @ ALL RESTROOMS, SEE FLOOR PLANS) APPLIED PARALLEL TO RESTROOM SIDE OF 8" W, 1-5/8" LEGS, 9/16" FOLDED BACK RETURNS,16GA GALV STEEL STUD, 16" o.c. w/ 1" TYPE S DRYWALL SCREW, 8" o.c. AT VERTICAL JOINTS, 8" GLASS FIBER INSULATION FRICTION FIT IN STUD SPACE. THIN SET TILE FINISH o/ BOND COAT o/ WATERPROOFING MEMBRANE o/ BACKER BOARD WHERE INDICATED. REMOVE (E) TILE FINISH AND BACKER BOARD BEFORE INSTALLING NEW WALL.

WI-04 Wall Assembly
SCALE: 3" = 1'-0"

INTERIOR WALL

REFER TO SHEET S-901 FOR TYPICAL STUD, TRACK AND FASTENERS



ONE LAYER 5/8" GYPSUM WALLBOARD TYPE 'X' APPLIED PARALLEL TO 1 SIDE OF 3 5/8" W (VRF W IN FIELD TO MATCH (E) WALL), 1-5/8" LEGS, 9/16" FOLDED BACK RETURNS,16GA GALV STEEL STUD, 16" o.c. w/ 1" TYPE S DRYWALL SCREW, 8" o.c. AT VERTICAL JOINTS, GLASS FIBER INSULATION FRICTION FIT IN STUD SPACE TO MATCH STUD WIDTH. APPLY 2 COATS OF JOINT COMPOUND TO JOINTS AND SCREW HEADS AND 2" WIDE PAPER TAPE EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS. THIN SET TILE FINISH o/ BOND COAT o/ WATERPROOFING MEMBRANE o/ 5/8" CEMENT BACKER BOARD TO RESTROOM SIDE (MOISTURE RESISTANT @ ALL RESTROOMS, SEE FLOOR PLANS)

WI-05 Wall Assembly
SCALE: 3" = 1'-0"

UL DESIGN #U495-1HR

WI-01 Wall Assembly
SCALE: 3" = 1'-0"

INTERIOR WALL

REFER TO SHEET S-901 FOR TYPICAL STUD, TRACK AND FASTENERS

ONE LAYER 5/8" GYPSUM WALLBOARD (MOISTURE RESISTANT @ ALL RESTROOMS, SEE FLOOR PLANS) APPLIED PARALLEL TO EACH SIDE OF (2) 3 5/8" W, 1-5/8" LEGS, 9/16" FOLDED BACK RETURNS,16GA GALV STEEL STUD, 16" o.c. w/ 1" TYPE S DRYWALL SCREW, 8" o.c. AT VERTICAL JOINTS, 3 5/8" GLASS FIBER INSULATION FRICTION FIT IN BOTH STUD SPACES, 7 1/2" GAP BETWEEN STUDS.

WI-02 Wall Assembly
SCALE: 3" = 1'-0"

INTERIOR WALL

REFER TO SHEET S-901 FOR TYPICAL STUD, TRACK AND FASTENERS

ONE LAYER 5/8" CEMENT BACKER BOARD (MOISTURE RESISTANT @ ALL RESTROOMS, SEE FLOOR PLANS) APPLIED PARALLEL TO EACH SIDE OF 3 5/8" W, 1-5/8" LEGS, 9/16" FOLDED BACK RETURNS,16GA GALV STEEL STUD, 16" o.c. w/ 1" TYPE S DRYWALL SCREW, 8" o.c. AT VERTICAL JOINTS, 3 5/8" GLASS FIBER INSULATION FRICTION FIT IN STUD SPACE. THIN SET TILE FINISH o/ BOND COAT o/ WATERPROOFING MEMBRANE WHERE INDICATED

COUNTY of VENTURA Library

PUBLIC VENTURA COUNTY WORKS

ENGINEERING SERVICES

KRUGER BENSEN ZIEMER ARCHITECTS, INC.
199 FIGUEROA STREET, SUITE 100A
VENTURA, CA 93001
TELEPHONE (805) 963-1726

TODD A JESPERSEN AIA
PRINCIPAL-IN-CHARGE

JONATHAN D LEE AIA
PROJECT MANAGER

PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO		BP25-02229
NO	REVISION	DATE
1	Owner Changes	08/11/25
2	Plan Review Corrections	09/08/25
3	Owner Changes	12/09/25

PUBLIC WORKS PROJECT MANAGER: DEVI NALLAMALA

PRINCINPAL-IN-CHARGE: TODD A JESPERSEN AIA

DRAWN BY: JONATHAN D LEE AIA

CHECKED BY: TODD A JESPERSEN AIA

ARCHITECT'S JOB NO: 24004

DATE: 07/11/2025

PROJECT TITLE AND ADDRESS

E. P. FOSTER LIBRARY MODERNIZATION

651 E MAIN ST,
VENTURA, CA 93001

COUNTY SPEC NUMBER: CP26-12

COUNTY PROJECT NUMBER: P6T24008

COUNTY DWG NO

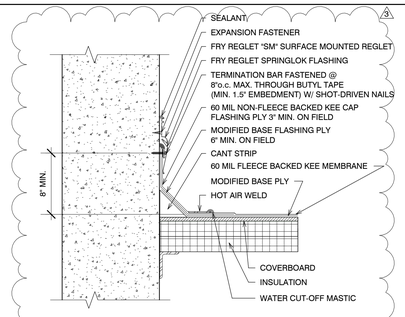
SHEET OF

SHEET TITLE

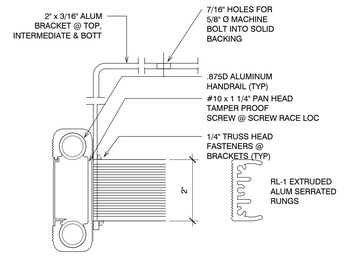
WALL TYPES & MISC DETAILS

SHEET NO

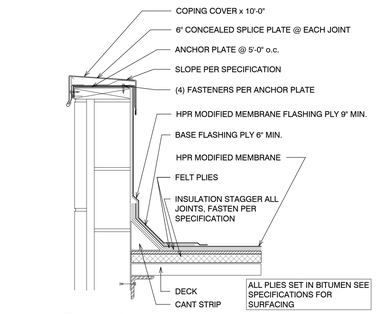
A-703



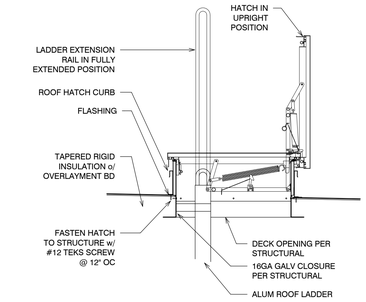
10 Reglet Mounted Counterflashing
SCALE: 1 1/2" = 1'-0"



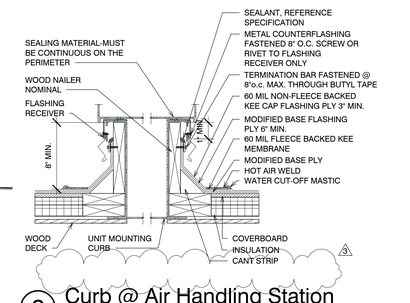
6 Roof Hatch Rung
SCALE: 6" = 1'-0"



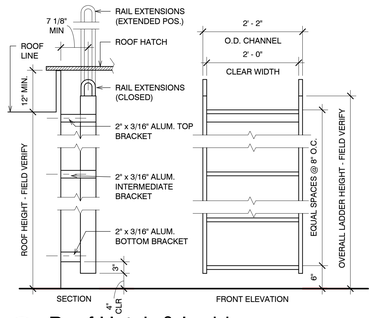
1 Roof Coping Cap
SCALE: 6" = 1'-0"



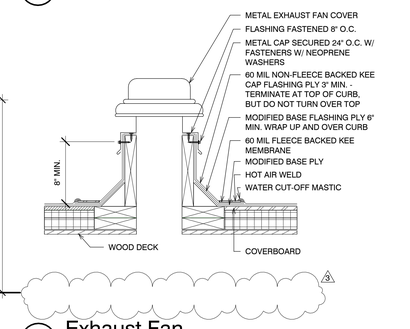
8 Roof Flashing at Pipe
SCALE: 3" = 1'-0"



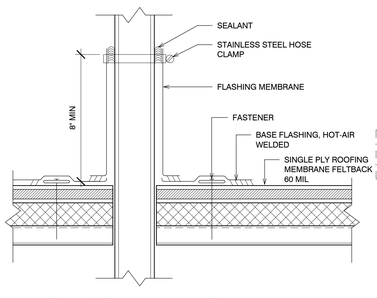
2 Curb @ Air Handling Station
SCALE: 1 1/2" = 1'-0"



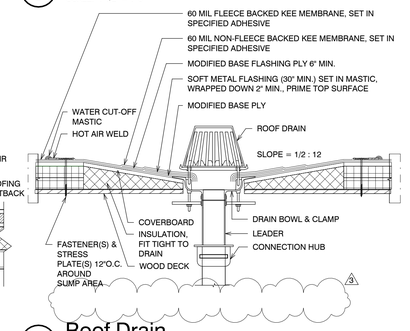
7 Roof Hatch & Ladder
SCALE: 3/4" = 1'-0"



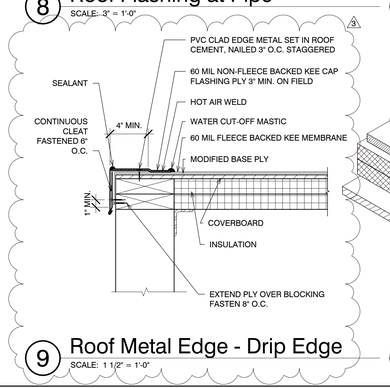
3 Exhaust Fan
SCALE: 1 1/2" = 1'-0"



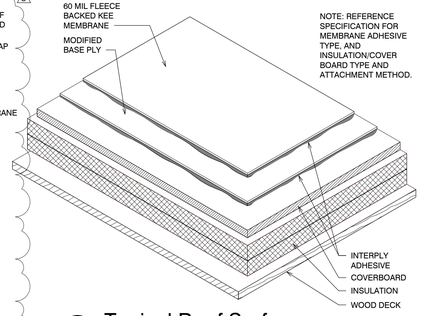
8 Roof Flashing at Pipe
SCALE: 3" = 1'-0"



4 Roof Drain
SCALE: 1 1/2" = 1'-0"



9 Roof Metal Edge - Drip Edge
SCALE: 1 1/2" = 1'-0"



5 Typical Roof Surface
SCALE: 3" = 1'-0"

Addendum No. 2

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TELEPHONE (805) 963-1726

TODD A JESPERSEN AIA
PRINCIPAL-IN-CHARGE

JONATHAN D LEE AIA
PROJECT MANAGER

PROFESSIONAL SEALS

REGISTERED ARCHITECT TODD A. JESPERSEN No. C-25839 Exp. 06/30/2027 STATE OF CALIFORNIA

PERMIT APPROVAL STAMP

PERMIT NO BP25-02229

NO	REVISION	DATE
1	Owner Changes	08/11/25
2	Plan Review Corrections	09/08/25
3	Owner Changes	12/09/25

PUBLIC WORKS PROJECT MANAGER
DEVI NALLAMALA

PRINCINPAL-IN-CHARGE
TODD A JESPERSEN AIA

DRAWN BY JONATHAN D LEE AIA
CHECKED BY TODD A JESPERSEN AIA

ARCHITECT'S JOB NO 24004
DATE 07/11/2025

PROJECT TITLE AND ADDRESS

E. P. FOSTER LIBRARY MODERNIZATION

651 E MAIN ST,
VENTURA, CA 93001

COUNTY SPEC NUMBER CP26-12

COUNTY PROJECT NUMBER P6T24008

COUNTY DWG NO **SHEET** ____ OF ____

SHEET TITLE

ROOF DETAILS

SHEET NO

A-707

SECTION 26 07 20
FIRE ALARM DETECTION SYSTEMS

PART 1 - GENERAL

1.01 SCOPE

Contractor shall provide a new Bay Alarm Firelite/Honeywell (City of Ventura standard no substitutions) fully automatic fire alarm system with voice evacuation control panel and speakers for library project area digital protocol addressable fire alarm system. This system shall include, but not be limited to, system cabinet, power supply, built in Signaling Line Circuit (SLC), 80 character LCD annunciator, built in dual line Digital Communicator associated peripheral devices, batteries, wiring, conduit and other relevant components and accessories required to furnish a complete and operational Life Safety System.

1.02 SECTION INCLUDES

A. Fire alarm and detection: Low voltage DC solid state modular, fully addressable, supervised non-coded system, complete with:

1. Control panel.

2. Stand-by emergency power supply.

3. Smoke detectors and other initiating devices.

4. Accessory relays.

5. Alarm signaling and speaker devices.

6. Air handling equipment shutdown.

1.03 GENERAL REQUIREMENTS

The fire alarm equipment and installation shall comply with the current provisions of the following standards and shall be listed for its intended purpose and be compatibility listed to insure integrity of the complete system.

A. California Electrical Code - NFPA 70 National Electrical Code with State of California amendments.

B. NFPA - 72: National Fire Alarm Code.

C. California Fire Code (CFC) - Uniform Fire Code with State of California amendments.

D. California Building Code (CBC) - Uniform Building Code with State of California amendments.

E. Installation shall conform to the current edition of the National Fire Protective Association Standards 72, State of California and County of Ventura.

F. Acceptance of the system by California State Fire Marshal, DSA, County of Ventura, and Owner.

1.3.1 NATIONAL ELECTRIC CODE, NFPA 70 ARTICLE 760

1.3.2 NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS:

NFPA 15	Water Spray Fixed Systems
NFPA 16	Deluge Foam Water Systems
NFPA 72	National Fire Alarm Code

1.3.3 LOCAL AND STATE BUILDING CODES

1.3.4 LOCAL AUTHORITIES HAVING JURISDICTION

State of California Division of the State Architect

1.3.5 UNDERWRITERS LABORATORIES INC.

All equipment shall be approved by Underwriters Laboratories, Inc. for its intended purpose, listed as power limited by Underwriters Laboratories, Inc., for the following standards as applicable:

UL 864	UOJZ Control units for Fire Protective Signaling Systems Local Signaling Unit Central Station Signaling Protected Premises Unit Remote Signaling Protected Premises Unit
UL 268	Smoke Detectors for Fire Protective Signaling systems
UL 268A	Smoke Detectors for duct applications
UL 217	Smoke Detectors for Single Stations
UL 521	Heat Detectors for Fire Protective signaling systems
UL 228	Door Holders for Fire Protective signaling systems
UL 464	Audible signaling appliances
UL 1638	Visual signaling appliances
UL 38	Manually Activated Signaling Boxes
UL 346	Waterflow indicators for Fire Protective signaling systems
UL 1481	Power Supplies for Fire Protective Signaling systems.

1.3.6 AMERICANS WITH DISABILITIES ACT (ADA)

All visual Notification appliances, speakers, and manual pull stations shall comply with the requirements of the Americans with Disabilities Act.

1.3.7 SUBMITTALS

The contractor shall submit six complete sets of shop drawings and documentation within 15 calendar days after award of the contract. Indicated in the document will be the type, size, rating, style, catalog number, manufacturers' names, photos, and /or catalog data sheets for all items proposed to meet these specifications. The proposed equipment shall be subject to the approval of the Architect/Engineer and no equipment shall be ordered or installed on the premises without that approval.

NOTE: DOCUMENTATION - Submittal of shop drawings shall contain at least six copies of the manufacturer specification and installation instruction sheets. All equipment and devices on the shop drawings to be furnished under this contract shall be clearly marked in the specification sheets.

Supplier's qualifications shall be submitted indicating years in business, service policies, warranty definitions, NICET Level II certification, C7 and C10 California licensed contractor, completion of factory training program and a list of similar installations. The supplier shall be an Engineered Systems Distributor for Fire Control Instruments products and prove of such relationship with the manufacture must be shown. The supplier must maintain a service department with spare parts of each item listed within 100 miles of the project.

Contractor qualifications shall be supplied indicating years in business and prior experience with installations that include the type of equipment that is to be supplied.

The contractor shall provide hourly Service Rates, performed by a factory-trained technician for this installed Life Safety System with the submittal. Proof of training and authorization shall be included with the submittal. These hourly service rates shall be guaranteed for a 1-year period.

1.3.8 CONTRACT CLOSE-OUT SUBMITTALS

Deliver two copies of the following to the Owner's representative within thirty (30) days of system acceptance. The closeout submittals shall include:

Installation and Programming manuals for the installed Life Safety System.

Point to point diagrams of the entire Life Safety System as installed. This shall include all connected Smoke Detectors and addressable field modules.

All drawings must reflect device address as verified in the presence of the engineer and/or end user.

1.3.9 WARRANTY

Warranty all materials, installation and workmanship for a one-year period, after final acceptance test approval. A copy of the manufacturer's warranty shall be provided with the closeout documentation.

1.3.10 PRODUCTS

This Life Safety System Specification must be conformed to in its entirety to ensure that the installed and programmed Life Safety System will accommodate all of the requirements and operations required by the building owner. Any specified item or operational feature not specifically addressed prior to the bid date will be required to be met without exception.

Submission of product purported to be equal to those specified herein will be considered as possible substitutes only when all of the following requirements have been met:

1. Any deviation from the equipment, operations, methods, design or other criteria specified herein must be submitted in detail to the specifying Architect or Engineer a minimum of ten working days prior to the scheduled submission of bids. Each deviation from the operation detailed in these specifications must be documented in detail, including page number and section number, which lists the system function for which the substitution is being proposed.

2. A complete list of such substituted products with six copies of working drawings thereof shall be submitted to the approved Architect and/or Consulting Engineer not less than ten working days prior to the scheduled submission of bids.

1.3.11 GENERAL EQUIPMENT AND MATERIALS REQUIREMENTS

All equipment furnished for this project shall be new and unused. All components shall be designed for uninterrupted duty. All equipment, materials, accessories, devices and other facilities covered by this specification or noted on the contract drawings and installation specification shall be best suited for the intended use and shall be provided by a single manufacturer. If any of the equipment provided under this specification is provided by different manufacturers, then that equipment shall be "Listed" as to its compatibility by Underwriters Laboratories (UL), if such compatibility is required by UL standards.

1.04 RELATED WORK SPECIFIED ELSEWHERE

A. Conduits: Section 260111.

1.05 SUBMITTALS

A. Procedures: In accord with Section 260000.

B. Submit detailed shop drawings, to include point-to-point wiring diagrams for fire alarm panel and all field devices showing each wire required in system.

1. Prior to the beginning of installation shop drawings shall be provided using AutoCAD format. Background shall be available from architect.

C. Submission dates for preliminary documentation shall be in accord with the time schedule provided to Contractor.

D. Submittal shall be comprised of six sets. Submit three sets to the authority having jurisdiction for their approval and three sets shall be submitted for Owner's review. The following items shall be included in submittal:

1. Catalog sheets on all items proposed for system.

2. Installation instructions.

3. Connection diagrams including point to point wiring diagrams.

4. Commissioning instructions.

5. Operating instructions.

6. Detailed maintenance and troubleshooting instructions.

7. Battery calculations showing proper back-up battery sizing.

8. Photocopy of current State C-10 Contractor's License.

9. Other items as required by the authority having jurisdiction.

E. Provide three copies of revised and final version of the above system documentation at time of Certificate of Occupancy testing. Documentation to include properly executed NFPA 72 "Fire Alarm System Certification and Description" form, executed by Contractor's qualifying agent who obtained permit for construction and smoke detector sensitivity report.

1.06 QUALITY ASSURANCE

A. Contractor shall furnish, install, and commission a complete automatic fire alarm system in accord with Contract Drawings and Specifications.

B. Provide a system in accord with plans, electrically supervised, connected, tested, and left in perfect operating condition.

C. Provide automatic fire alarm controls, alarm actuation devices and alarm signaling devices at locations indicated on Contract Drawings.

D. All items of this Specification not fully met by manufacturer's proposal shall be indicated with reference to relevant paragraph of the Specifications.

E. Installation contractor shall be able to demonstrate availability of an experienced staff for planning, engineering, installing, commissioning, training, and maintaining automatic fire alarm system.

F. Regulatory requirements:

1. All equipment proposed and planned for use shall be formally approved and/or listed under California State Fire Marshal and at least one of the following:
   a. Underwriters Laboratories.
   b. Factory Mutual.

G. All equipment shall be new and unused. This contractor shall warranty workmanship and equipment for a period of 1 year from acceptance by Owner.

1.07 MAINTENANCE

A. Maintenance service:

1. Installation contractor shall provide detailed information concerning its maintenance organization and after sales service.

2. On request, installation contractor shall submit a proposal for a maintenance contract.

3. The quality of equipment shall be such as to require low maintenance efforts. The maintenance schedule for different system parts offered shall be clearly stated at time of commissioning and shall not exceed those listed by NFPA.

4. Installation contractor shall own necessary test equipment most likely to be needed for correct maintenance work.

5. Installation contractor shall submit a complete itemized list of test equipment and special tools that are necessary to enable Owner to carry out maintenance.

6. Manufacturer or installation contractor shall provide, at no cost to Owner, training to Owner's maintenance and engineering staff for all new fire alarm systems proposed for use. This training shall take place at the School District Office.

B. Maintenance stock: Manufacturer shall guarantee in writing the supply of system spare parts, test equipment, and software for at least 3 years after shipment of fire alarm system.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. System shall be designed and installed by Bay Alarm Firelite by Honeywell. No substitutions.

2.02 INITIATING DEVICES AND NOTIFICATION APPLICATIONS

A. Audible/visual notification appliances:

1. Additional audible/visual annunciators:

a. Contractor shall include in alternate bid to Owner all material and labor costs associated with furnishing and installation of ten audible/visual annunciator units. Units shall be located in the field by the local fire department official.
b. Provide all labor and materials including, but not limited to, conduit, conductors, devices, J-boxes, installation, testing, and supervision required to make the additional ten units a completely integral and functional part of the building fire alarm system.

2. Contractor shall perform all design and engineering necessary to determine proper strobe light intensity as required by all applicable codes and standards for the entire facility. The results of their effort shall be reflected in shop drawing submittals for review by Owner.

2.03 LOCAL FIRE ALARM CONTROL UNITS - MANUFACTURED UNITS

A. Alarm sequence: The system alarm operation subsequent to the alarm activation of any manual station, or automatic detection device is to be as follows:

1. All selected audible alarm indicating appliances shall sound a digitized tone and voice message until silenced by the alarm silence switch at the control panel or remote annunciation.

2. Strobes shall display a continuous pattern until system is reset.

3. All doors normally held open by door control devices shall release.

4. The mechanical controls shall deactivate the air handling systems in accord with this Specification, California Building Code, and California Fire Code.

5. In the Automatic Mode, the mechanical controls shall operate the air handling systems as required. Air handling equipment shall be shut down and return fans automatically started if not already running. The control panel shall indicate "On" or "Off" status of the air handling system.

6. Upon reset of control panel, air handling units shall sequentially start up to reduce electrical inrush.

7. An alarm shall be displayed on the panel display. The alarm LED shall flash on the control panel and the remote annunciator until the alarm has been acknowledged at the control panel or the remote annunciator. Once acknowledged, this same LED shall latch on. A subsequent alarm received from another zone after acknowledged shall flash the alarm LED on the control panel and the panel display shall show the new alarm information.

8. A pulsing alarm tone shall occur within the control panel until acknowledged.

9. Activation of any system smoke detector shall initiate an Alarm Verification operation, whereby the panel will reset the activated detector and wait for a second alarm activation. If, within (1) minute after resetting, a second alarm is reported from the same or any other smoke detector, the system shall process the alarm as described previously. If no second alarm occurs within (1) minute, the system is to resume normal operation. The Alarm Verification is to operate only on smoke detector alarms. Other activated initiating devices shall be processed immediately. The alarm verification operation is to be selectable by device.
   a. The control panel shall have the capability to display the number of times a zone has gone into a verification mode.

PART 3 - MATERIALS

3.01 GENERAL

3.1.1 SYSTEM WIRING

The SLC and Data Communication Bus shall be wired with standard NEC 760 compliant wiring, no twisted, shielded or mid capacitance wiring is required for standard installations. All FACP screw terminals shall be capable of accepting 14-18 AWG wire.

3.1.2 SIGNALING LINE CIRCUITS

The SLC shall be capable of a wiring distance of 10,000 feet from the SLC driver module and be capable of supporting 127 devices. The communication protocol to SLC devices must be digital. Any SLC loop device, which goes into alarm, must interrupt the polling cycle for priority response from the FACP. The FACP must respond consistently to a device that goes into alarm on an SLC in under 3 seconds. The SLC shall be capable of functioning in a class A or class B configuration.

3.1.3 SLC LOOP DEVICES

Devices supported must include analog photoelectric, ionization smoke detectors, analog heat detectors, contact monitoring modules and relay output modules. There is to be no limit to the number of any particular device type up to the maximum of 127 that can be connected to the SLC.

3.1.4 ADDRESSABLE DETECTOR FUNCTIONS

The products of combustion detectors must communicate analog values using a digital protocol to the control panel for the following functions:

Automatic compliance with NFPA 72 standards for detector sensitivity testing

Drift compensation to assure detector is operating correctly

Maintenance alert when a detector nears the trouble condition

Trouble alert when a detector is out of tolerance

Alert control panel of analog values that indicate fire.

3.02 SYSTEM OPERATION

3.2.1 ALARM

When a device indicates an alarm or supervisory condition the control panel must respond within 3 seconds. The General Alarm or Supervisory Alarm LED on the annunciator(s) shall light and the LCD shall prompt the user as to the number of current events. All notification circuits associated with the alarm or supervisory condition shall activate. If the digital dialer is being utilized it shall transmit a signal to the digital alarm receiving unit. The alarm shall also cause the appropriate door holders and air handlers to shut down. If employed all elevators shall return to the main level or an alternate level when required by the elevator specification or building code. The alarm information must be stored in event memory for later review. Event memory shall be available at the main and all remote annunciators. The alarm memory must be capable of storing up to 1000 events.

When the alarmed device is restored to normal, the control panel shall be required to be manually reset to clear the alarm condition, except that the alarms may be silenced as programmed.

Exception: When detectors are utilized in single station or multi-station applications they may be self- restoring.

An alarm shall be silenced by a code or Firefighter key at the main or remote annunciators. When silenced, this shall not prevent the resounding of subsequent events if another event should occur (subsequent alarm feature). When alarms are silenced the silenced LED on the control panel, and on any remote annunciators shall remain lit, until the alarmed device is returned to normal.

3.2.2 TROUBLES

When a device indicates a trouble condition, the control panel System Trouble LED should

light and the LCD should prompt the user as to the number of current events. The trouble information must be stored in event memory for later review. Event memory must be available at the main and all remote annunciators.

When the device in trouble is restored to normal, the control panel shall be automatically reset. The trouble restore information must be stored in event memory for later review. Event memory must be available at the main and all remote annunciators. A trouble shall be silenced by a code or Firefighter key at the main or remote annunciators. When silenced, this shall not prevent the resounding of subsequent events if another event should occur.

3.2.3 SUPERVISION METHODS

The SLC loop shall be electrically supervised for opens and ground faults in the circuit wiring, and shall be so arranged that a fault condition on any loop will not cause an alarm to sound.

Additionally, every addressable device connected to the SLC will be supervised and individually identified if in a fault condition. The occurrence of any fault will light a trouble LED and sound the system trouble sounder, but will not interfere with the proper operation of any circuit which does not have a fault condition.

PART 4 - EXECUTION

4.01 INSTALLATION

A. General:

1. The system shall be installed per manufacturer's instructions.

2. Contractor shall provide all necessary technical installation documents, such as situation plans and diagrams.

3. Installation of fire alarm system shall be by a fire alarm system contractor or licensed electrical contractor.

4. Contractor shall be responsible for the correct location of all equipment. If there are any discrepancies between details in the proposal and real dimensions of equipment, rooms, buildings, etc., they shall be reported in writing immediately upon discovery to Owner.

5. Contractor shall provide an engraved phenolic plate affixed to the outside of the Fire Alarm Control Panel that will define items in the system that will activate alarm indicating appliances. This plate shall be red with white letters and, as a minimum, be 2 in. x 5 in. in size.

6. Contractor shall provide to Owner, without additional cost, all software required (including CD of all programming) to operate, service, and install fire alarm control unit along with any software required to download operating programs to fire alarm control unit. Warranties and liabilities of products of manufacturer shall not be waived by transfer of this software to Owner.

B. Conduit/wiring systems:

1. All wiring shall be concealed and in conduit. All system wiring shall be power limited. All wiring shall be rated for its application. All wiring shall be concealed to the maximum extent possible.

2. All junction boxes and device mounting boxes shall be identified as being a part of the fire alarm system. Boxes shall be labeled both internally and on junction box cover as "F/A". All concealed boxes shall be spray-painted red for identification purposes.

3. Electrical wire type FPL for power limited will be used for fire alarm and detection system.

4. For devices requiring higher currents, such as alarm horns, bells, sirens, etc., wire cross-sectional area shall be selected to limit voltage drop to below 10% of nominal voltage.

5. Data transmission cables shall be of a type recommended by manufacturer and listed for fire alarm use.

6. All wiring shall be of the same approved type and shall meet requirements of the National Electrical Codes. All wires shall be labeled and referenced on "as-built" drawings. All circuits shall be checked to be free from any mechanical failures, i.e., open circuits, shorts between conductors or shorts to earth ground.

7. Exact installation wiring counts shall be shown on "as-built" wiring diagrams and installation drawings required, upon project acceptance.

C. Detectors and bases:

1. All detectors and bases shall be installed in accord with relevant codes and manufacturer's guidelines as indicated in their documentation.
2. Ceiling detectors shall not be located within 60 in. of air handling supply grilles.

PART 5 - ACCESSORY COMPONENTS

5.01 The FACP shall support the following devices:

Analog Photoelectric Smoke detector
Analog Ionization Sensor
Analog Heat Sensor
Addressable Relay Module
Duct Detector Enclosure
Addressable Input Module (replaces the SD505-FRCM-4)
Mini Input Module (replaces the SD505-FRCM)
Addressable Relay Module (replaces the SD505-ARM)
Duct Detector Housing with Built -In Relay
Remote Test Switch For Duct Housing
Addressable Pull Station
80 Output LED Driver Board

The FACP supports these other Fire Control Instruments devises via addressable or conventional inputs.

Single Action Pull Station – Key Reset
Double Action Pull Station – Key Reset
Combination Horn Strobe or Strobe only devices

5.02 MANUAL FIRE ALARM STATIONS

Manual Fire Alarm Stations shall be non-coded, break glass, single or double action type, with a key operated test reset lock in order that they may be tested, and so designed that after actual emergency operation, they cannot be restored to normal except by use of a key. The reset key shall be so designed that it will reset the manual Pull Station and open the FACP cabinet without use of another key. An operated station shall automatically condition itself so as to visually detected, as operated, at a minimum distance of fifty feet, front or side. Manual stations shall be constructed of die cast metal with clearly visible operating instructions on the front of the station in raised letters. Stations shall be suitable for surface mounting on matching back box, or semi-flush mounting on a standard single gang box, and shall be installed within the limits defined by the Americans with Disabilities Act (ADA) dependent on Manual Station accessibility or per local requirements. Manual Stations shall be installed in conjunction with an Addressable Input Module (AIM or MIM).

5.03 Notification Devices Shall be Honeywell series.

The visible and audible/visible signaling devices shall be compatible with the 5808 or 5496 as stated in the installation manuals and be Listed with Underwriters Laboratories Inc. per UL 1971 and/or 1638. Each indicating appliance circuit shall be electrically supervised for opens, grounds and short circuit faults, on the circuit wiring, and shall be so arranged that a fault condition on any indicating appliance circuit or group of circuits will not cause an alarm to sound. The occurrence of any fault will light the trouble LED and sound the system trouble sounder, but will not interfere with the proper operation of any circuit which does not have a fault condition. The notification appliance (combination audible/visible units only) shall produce a peak sound output of 90dba or greater as measured in an anechoic chamber. The visible signaling appliance shall maintain a minimum flash rate of 1Hz or greater regardless or power input voltage. The appliance shall also be capable of meeting the candela requirements of the blueprints presented by the Engineer and ADA. The appliance shall be polarized to allow for electrical supervision of the system wiring. The unit shall be provided with terminals with barriers for input/output wiring and be able to mount a single gang or double gang box or double workbox with the use of an adapter plate. The unit shall have an input voltage range of 20-30 volts with either direct current or full wave rectified power.

5.04 SMOKE DETECTORS

All existing detectors shall be the Fire Control Instruments Addressable Photoelectric Smoke Detector or SD505-AIS Ionization Smoke Detector or the SD505-AHS (heat) detector. The base shall be the Fire Control Instruments model. The Smoke detectors shall have a flashing status LED for visual supervision. When the detector is actuated, the flashing LED will latch on steady at full brilliance. The sensitivity of the detector shall be capable of being measured by the control panel without the need for external test apparatus. The detector shall be a double EE-prom technology and be programmed using the internal programming loop located on the FACP or through the use of the SD505-TCHB100 Hand Held Programmer.

PART 6 - WIRING

6.01 INSTALLER'S RESPONSIBILITIES

The installer shall coordinate the installation of the fire alarm equipment.

All conductors and wiring shall be installed according to the manufacturer's recommendations. It shall be the installer's responsibility to coordinate with the supplier, regarding the correct wiring procedures before installing any conduits or conductors.

6.02 INSTALLATION OF SYSTEM COMPONENTS

System components shall be installed in accordance with the latest revisions of the appropriate NFPA pamphlets, the requirements contained herein, National Electrical Code, local and state regulations, DSA, the requirements of the fire department and other applicable authorities having jurisdiction (AHJ).

All wire used on the fire alarm system shall be U.L. listed as fire alarm protection signaling circuit cable per California Electrical Code.

PART 7 - WARRANTY AND FINAL TEST

7.01 GENERAL

The contractor shall warrant all equipment and wiring free from inherent mechanical and electrical defects for one year 18 months from the date of final acceptance.

7.02 FINAL TEST

Before the installation shall be considered completed and acceptable by the awarding authority, a test of the system shall be performed as follows:

The contractor's job foreman, a representative of the Owner, and the fire department shall operate every building fire alarm device to ensure proper operation and correct annunciation at the control panel.

At least one half of all tests shall be performed on battery standby power.

Where application of heat would destroy any detector, it may be manually activated.
The communication loops and the indicating appliance circuits shall be opened in at least two locations per circuit to check for the presence of correct supervision circuitry.

When the testing has been completed to the satisfaction of both the contractor's job foreman and owner, a notarized letter cosigned by each attesting to the satisfactory completion of said testing shall be forwarded to the Owner and the fire department.

The contractor shall leave the fire alarm system in proper working order, and, without additional expense to the owner, shall replace any defective materials or equipment provided by him under this contract within one year (365 days) from the date of final acceptance by the awarding authority.

Prior to final test the fire department must be notified in accordance with local requirements.

7.03 AS BUILT DRAWINGS, TESTING, AND MAINTENANCE INSTRUCTIONS

7.3.1 AS BUILT DRAWINGS

A complete set of AutoCAD drawing files showing installed wiring, color coding, and wire tag notations for exact locations of all installed equipment, specific interconnections between all equipment, and internal wiring of the equipment shall be delivered to the Architect upon completion of system.

7.3.2 OPERATING AND INSTRUCTION MANUALS

Operating and instruction manuals shall be submitted prior to testing of the system. Three complete sets of operating and instruction manuals shall be delivered to the owner upon completion. User operating instructions shall be provided prominently displayed on a separate sheet located next to the control unit in accordance with U.L. Standard 864.

END OF SECTION

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