

SITE PLAN KEYNOTES

- 1 (E) REPLACE (E) PARKING LOT ENTRANCE SIGN WITH (N) IN COMPLIANCE WITH THE CURRENT ACCESSIBILITY CODE REQUIREMENTS
- 2 (E) ACCESSIBLE PARKING SPACE IN COMPLIANCE WITH THE CURRENT ACCESSIBILITY CODE REQUIREMENTS
- 3 (E) VAN ACCESSIBLE PARKING SPACE IN COMPLIANCE WITH THE CURRENT ACCESSIBILITY CODE REQUIREMENTS
- 4 (E) ACCESSIBLE GIRLS RESTROOM (03-10300 CERTIFIED)
- 5 (E) ACCESSIBLE BOYS RESTROOM (03-10300 CERTIFIED)
- 6 (E) ACCESSIBLE STAFF RESTROOM (03-10300 CERTIFIED)
- 7 (E) H2O DRINKING FOUNTAIN (03-10300 CERTIFIED)
- 8 (E) FIRE HYDRANT
- 9 (E) CURB CUT
- 10 ADD NOTE MINIMUM FINE \$250 UNDER (E) VAN ACCESSIBLE PARKING SIGNAGE IN COMPLIANCE WITH THE CURRENT ACCESSIBILITY CODE REQUIREMENTS

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 03-119339 INC.
 REVIEWED FOR
 SS [] FLS [] ACS []
 DATE: 4/2/19

OXNARD UNION HIGH SCHOOL DISTRICT
 CHANNEL ISLANDS HIGH SCHOOL
 1400 RAIDERS WAY, OXNARD, CA 93030
SITE SECURITY IMPROVEMENTS

GENERAL NOTES

- PROTECT ALL EXISTING STRUCTURES, UTILITIES & LANDSCAPING DURING CONSTRUCTION.
- PLANS WERE PREPARED USING AS-BUILT DRAWINGS RECEIVED FROM THE SCHOOL DISTRICT. THE CONTRACTOR SHALL FIELD VERIFY EXISTING ACTUAL CONDITIONS PRIOR TO START OF WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- CAMPUS-WIDE MODERNIZATION UNDER A-03-103000 (CERTIFIED).

PATH OF TRAVEL

----- "ACCESSIBLE" PATH OF TRAVEL (P.O.T.) PER 03-103000 (CERTIFIED)

PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS IS AT LEAST 48" WIDE WITHOUT ANY "ABRUP" VERTICAL CHANGES EXCEEDING 1/2" REVELED AT 1:2 MAX. SLOPE. EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48 INCHES WIDE SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE NOTED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT.

PATH OF TRAVEL (P.O.T.) AS VERIFIED BY ARCHITECT IS:

- A COMMON BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUP VERTICAL CHANGES EXCEEDING 1/2" REVELED AT 1:2 MAXIMUM SLOPE. EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL.
- THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH.
- PARKING SPACES AT LEAST 60" X 96" ARE LOCATED NOT MORE THAN 200' APART.
- CONTINUOUS GRADIENTS HAVE 6% MAXIMUM SLOPE NOT MORE THAN 400' APART.
- CROSS-SLOPE DOES NOT EXCEED 2%.
- SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED AS A RAMP.
- MAINTAIN POT FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM. PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL OR EDGE AND 27" ABOVE FINISH GRADE.

FOR GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAYS AT PATH OF TRAVEL, GRID-OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAX. IN THE DIRECTION OF TRAFFIC FLOW. IF SUCH CONDITION OCCURS, PROVIDE MANUFACTURER CUTSHEETS OF GRATE PROVIDED.

GATES SERVING THE MEANS OF EGRESS SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 1008. GATES USED AS A COMPONENT IN A MEANS OF EGRESS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS FOR DOORS, PROVIDE LEVER HARDWARE AND RECOGNIZABLE, FIRE AND LIFE SAFETY MAY REQUIRE PANE HARDWARE FOR EMERGENCY EXITING EVEN WITH THE SIGN. COORDINATE WITH FIRE AND LIFE SAFETY REQUIREMENTS.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS AS PART OF THE DESIGN OF THIS PROJECT. THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT:

- HAVE BEEN IDENTIFIED
- THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

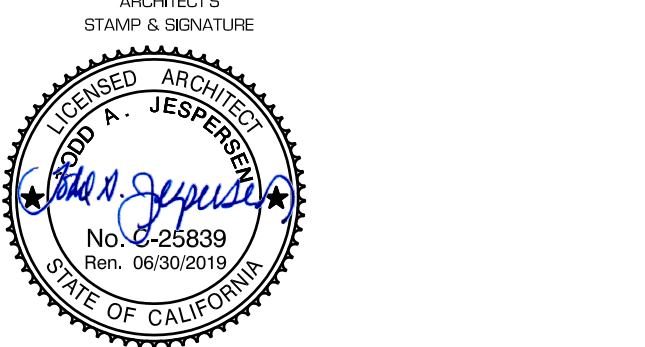


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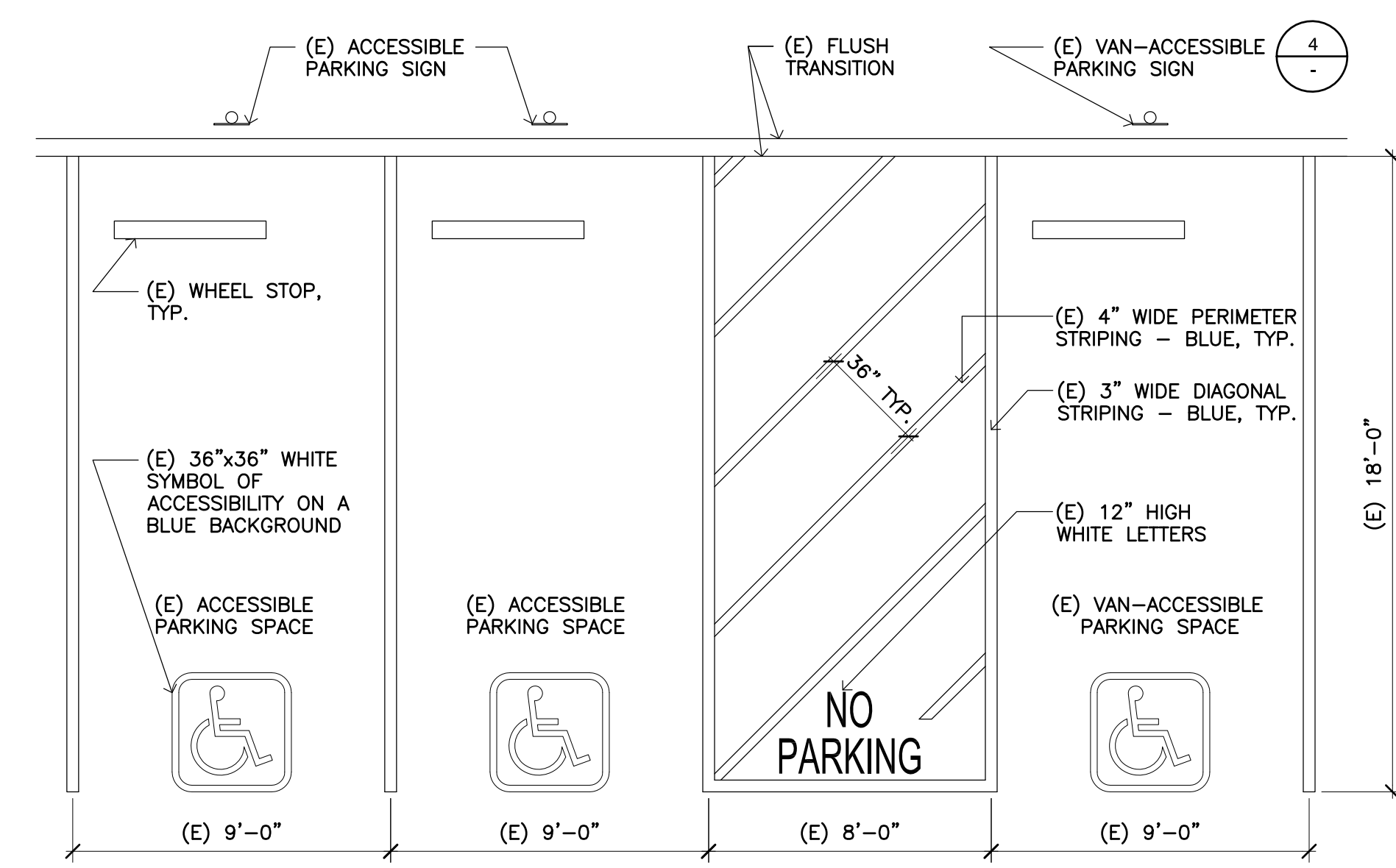
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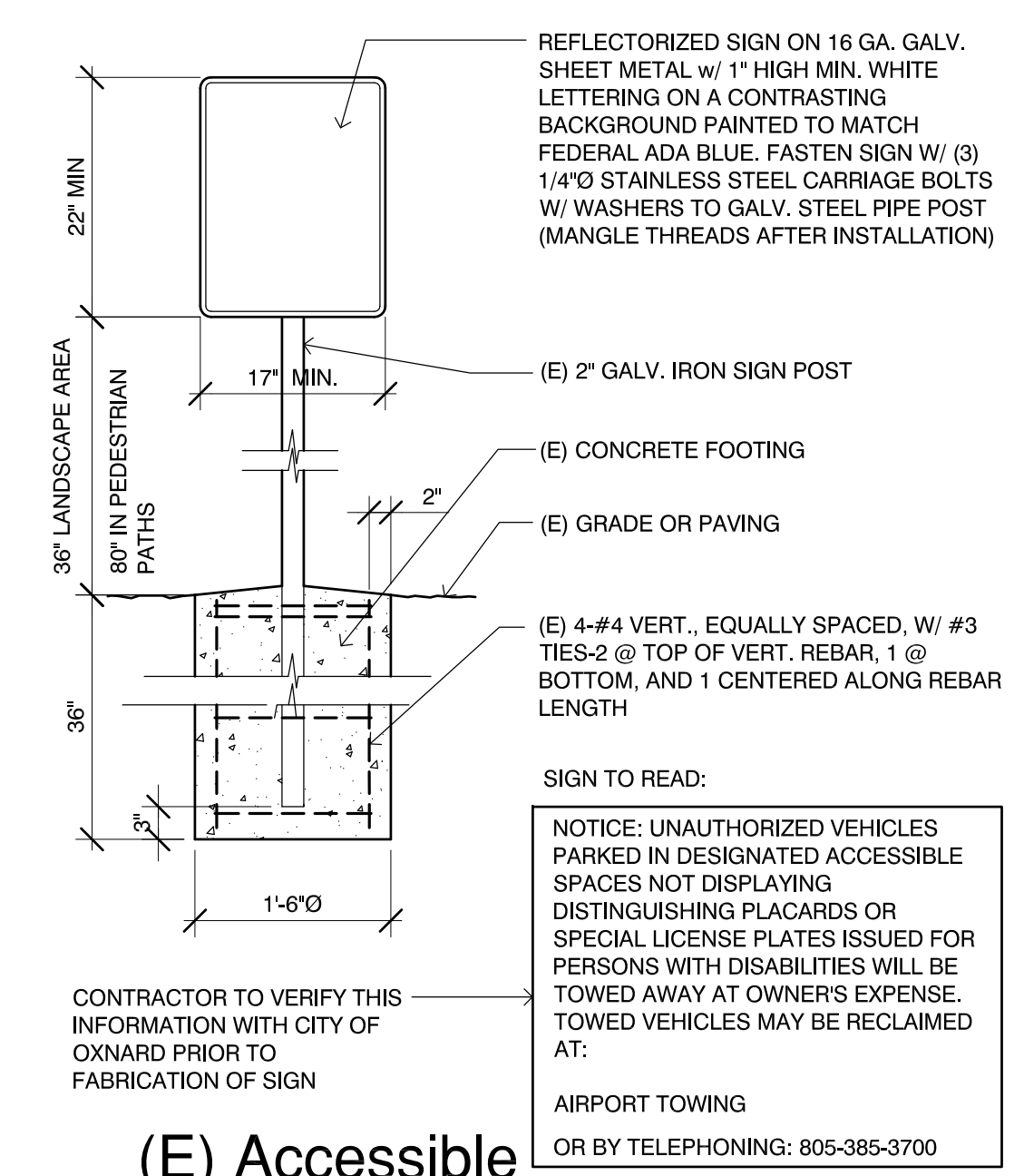
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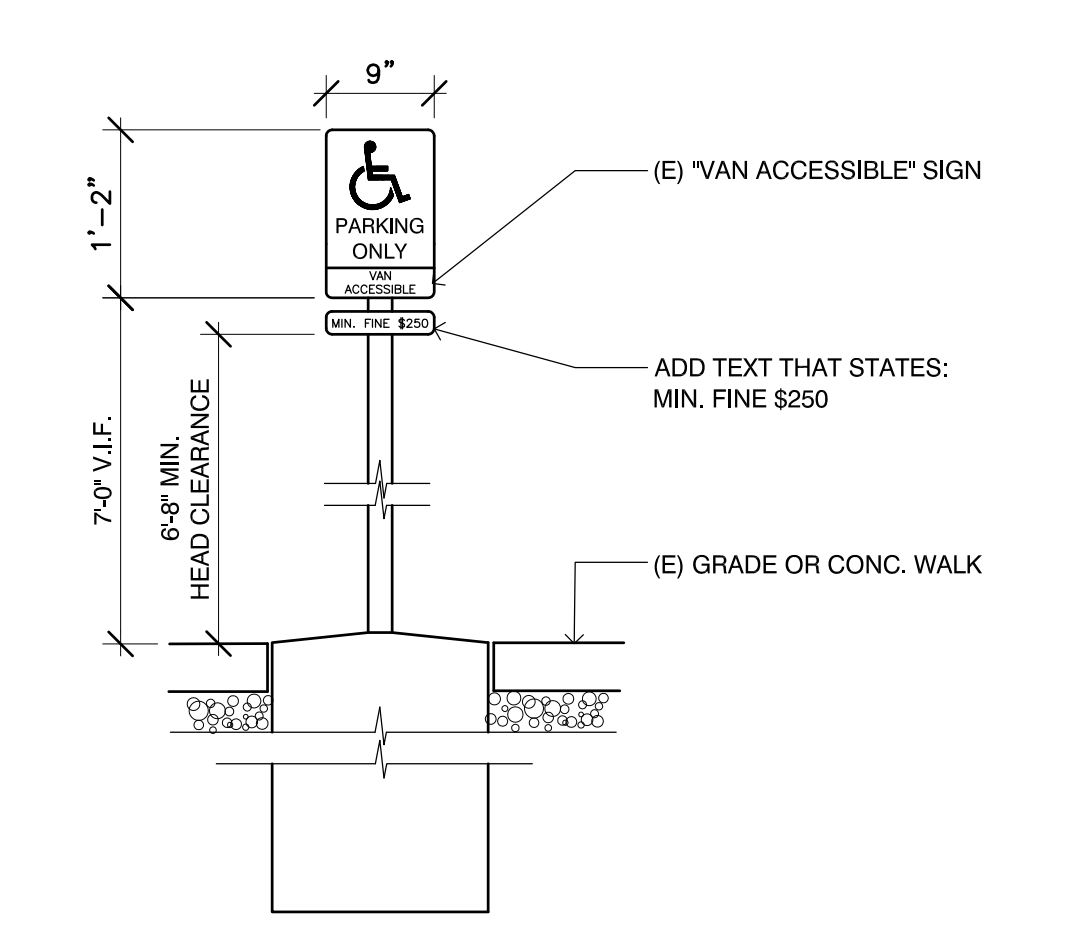
1 SITE PLAN
 SCALE: 1" = 80'-0"



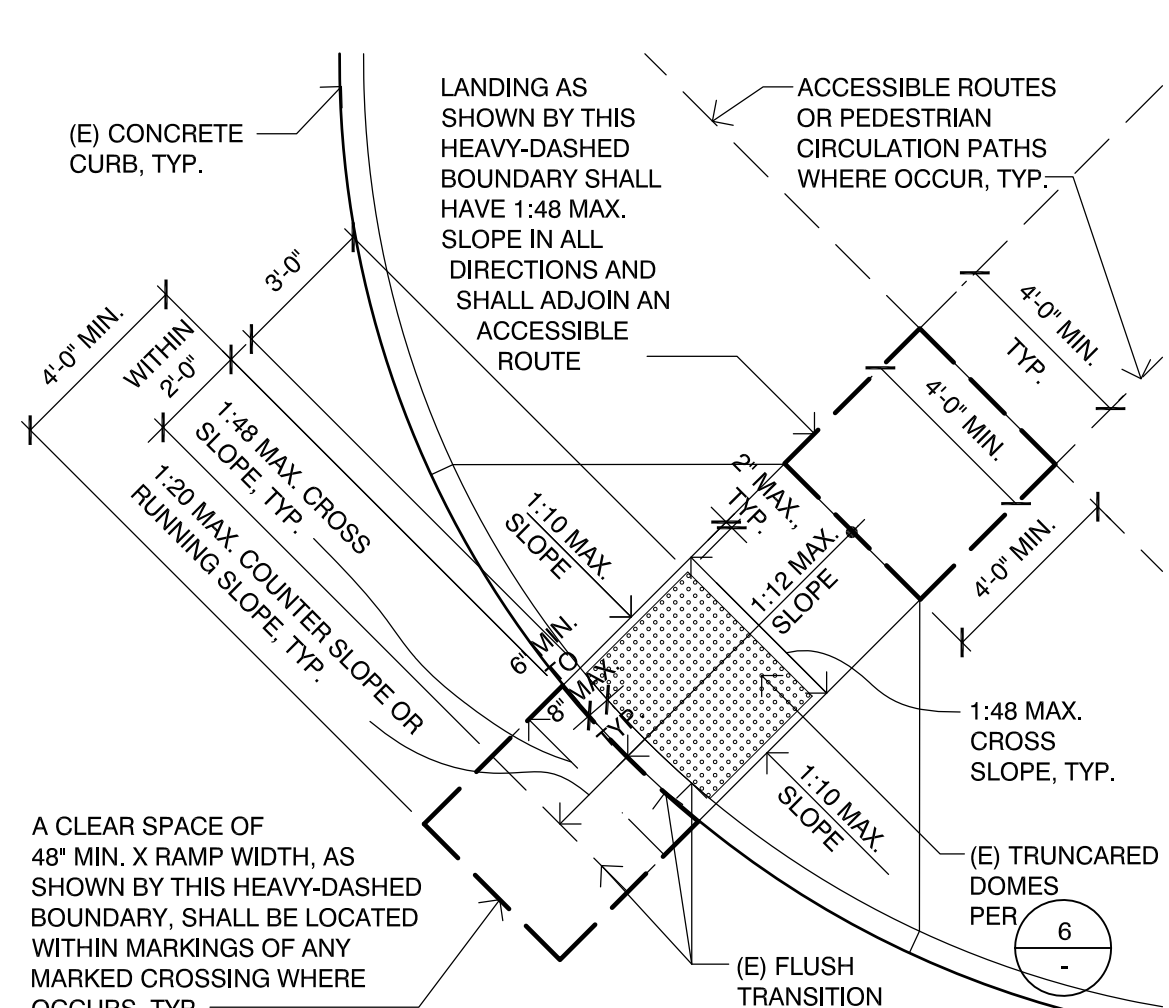
2 Existing Accessible Parking Spaces
 SCALE: 1/4" = 1'-0"



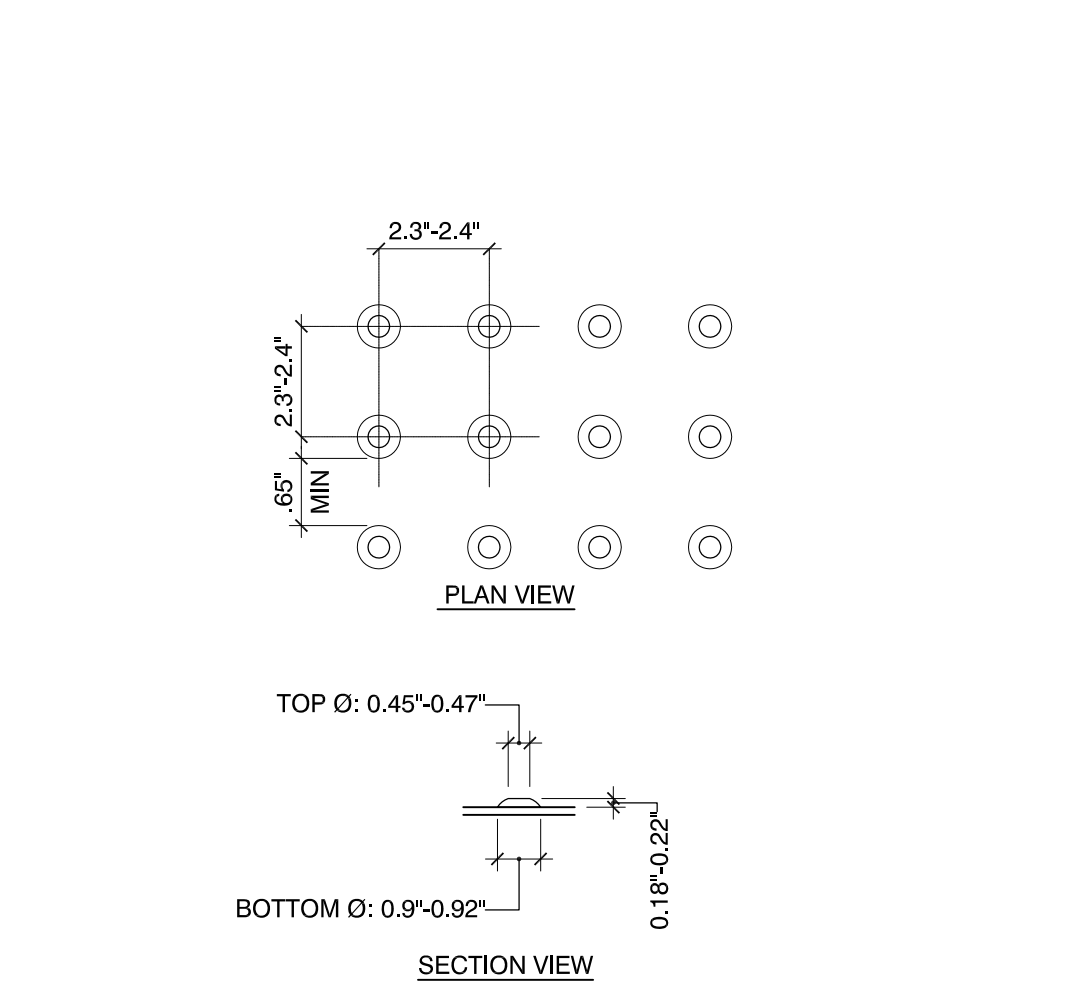
3 (E) Accessible Parking Lot Entrance Sign
 SCALE: 3/4" = 1'-0"



4 Existing Accessible Parking Sign
 SCALE: 3/4" = 1'-0"



5 Existing Curb Cut, Typical
 SCALE: 1/4" = 1'-0"



6 Existing Truncated Domes
 SCALE: 3/4" = 1'-0"

REVISION	DESCRIPTION	DATE	BY
1	PP/JL		
2	TJ		
3		1/18/2018	
4		18015	
5	SITE PLAN		
6	SITE DETAILS		

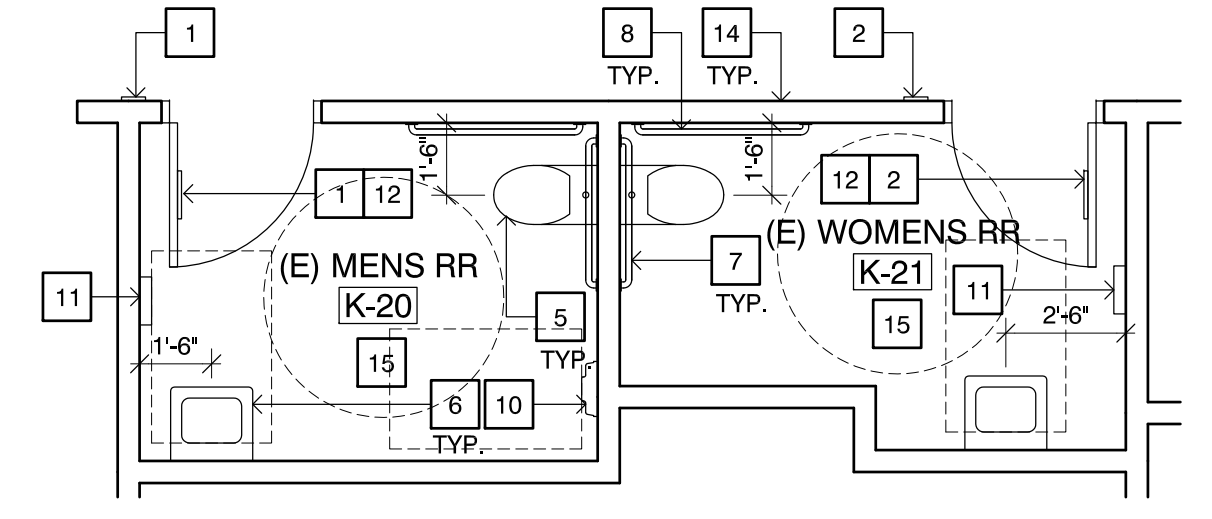
SHEET TITLE: SITE PLAN SITE DETAILS
 SHEET: A-100

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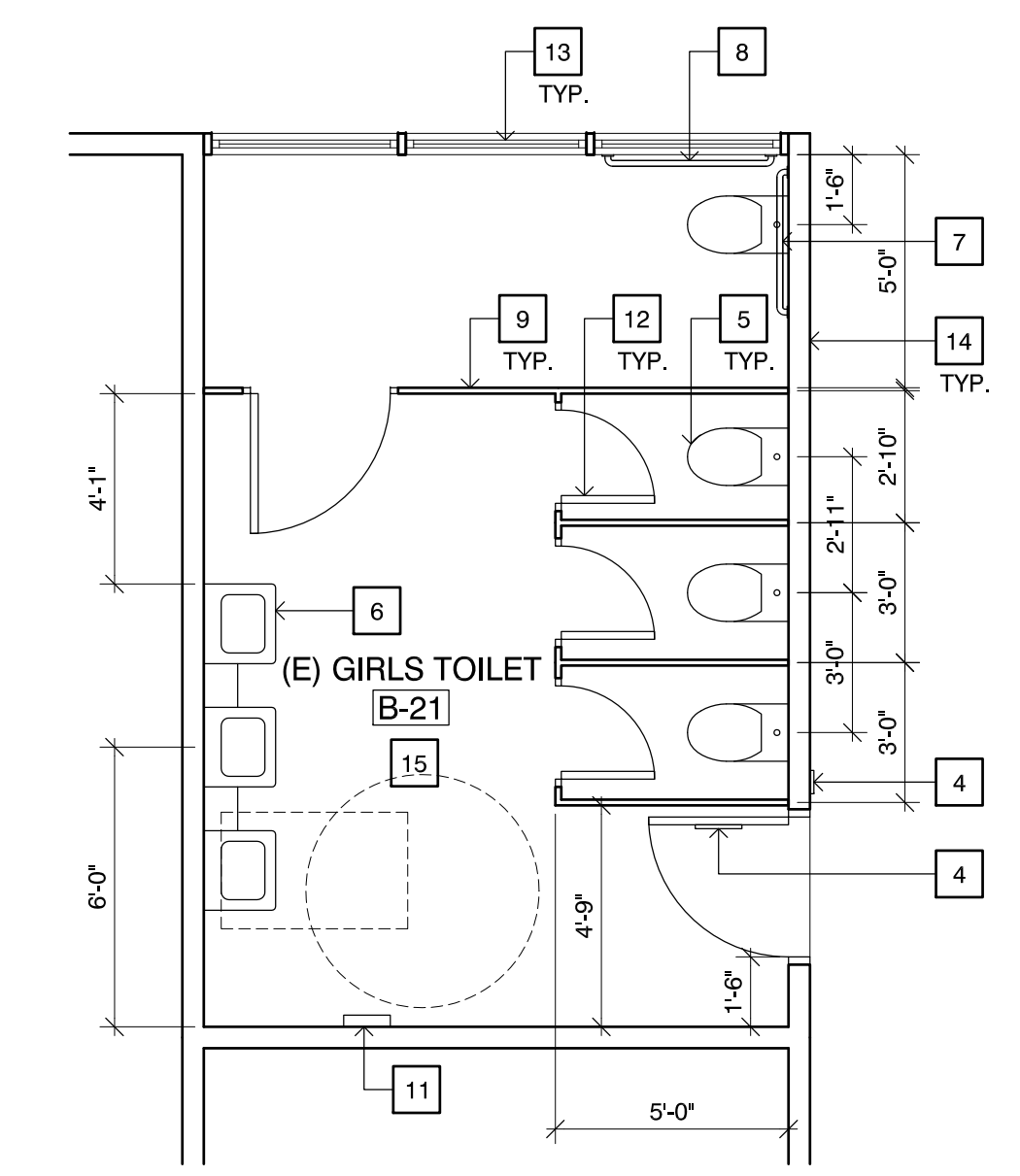
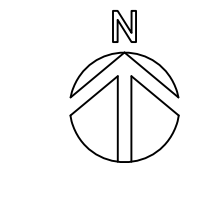
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 CHANNEL ISLANDS HIGH SCHOOL
 1400 RAIDERS WAY, OXNARD, CA 93030
 SITE SECURITY IMPROVEMENT

EXISTING RESTROOM KEYNOTES

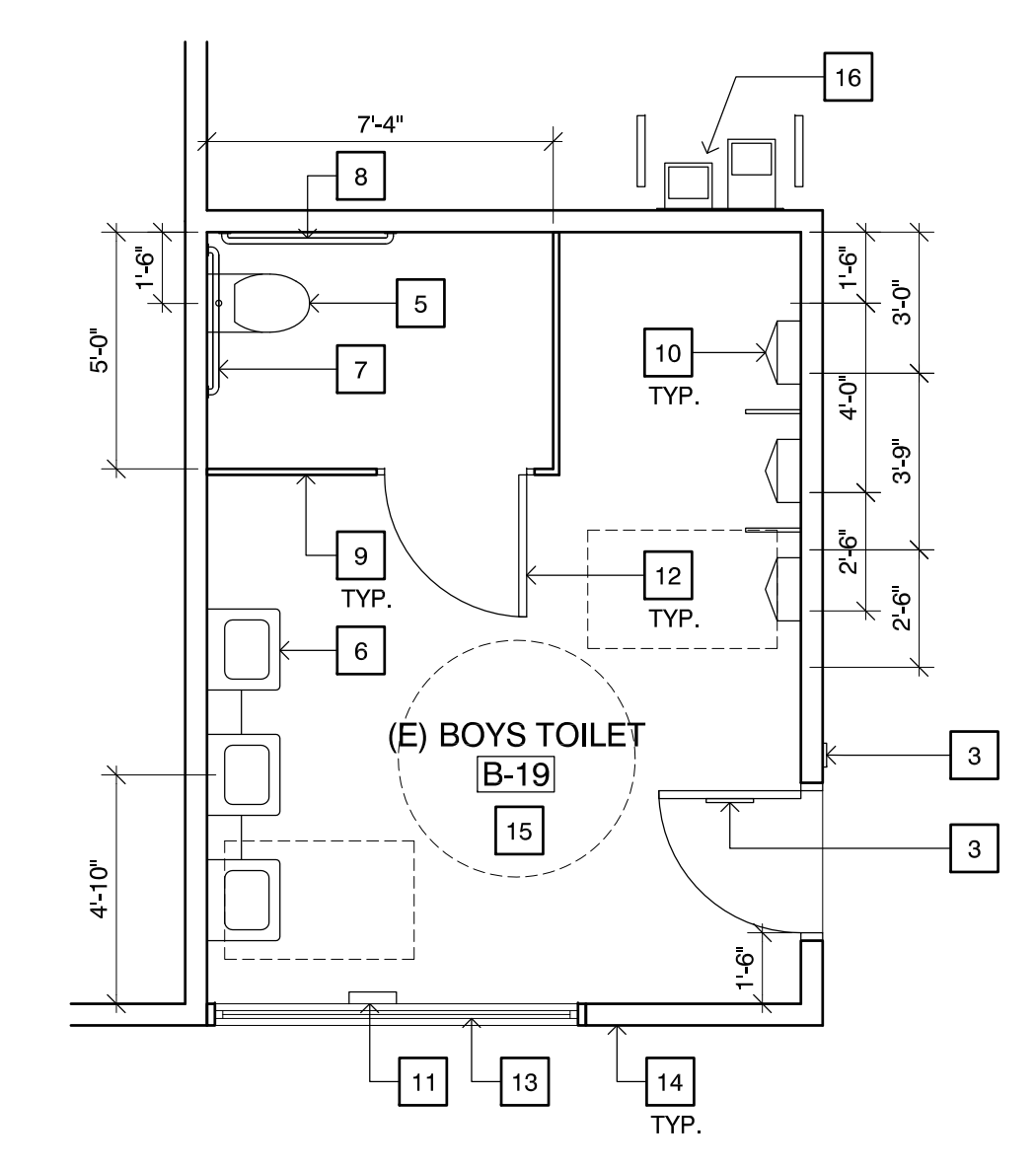
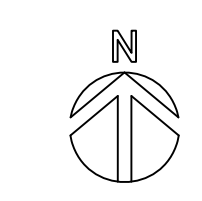
- 1 UPDATE (E) MENS RESTROOM SIGNAGE IF NON-COMPLIANT
- 2 UPDATE (E) WOMENS RESTROOM SIGNAGE IF NON-COMPLIANT
- 3 UPDATE (E) BOYS RESTROOM SIGNAGE IF NON-COMPLIANT
- 4 UPDATE (E) GIRLS RESTROOM SIGNAGE IF NON-COMPLIANT
- 5 (E) WATER CLOSET TO REMAIN
- 6 (E) SINK TO REMAIN
- 7 (E) 36" S.S. GRAB BAR TO REMAIN
- 8 (E) 48" S.S. GRAB BAR TO REMAIN
- 9 (E) PARTITION TO REMAIN
- 10 (E) URINAL TO REMAIN
- 11 (E) HAND DRYER TO REMAIN
- 12 (E) DOOR TO REMAIN
- 13 (E) WINDOW TO REMAIN
- 14 (E) WALL TO REMAIN
- 15 (E) TILE FLOOR TO REMAIN
- 16 (E) H-L.O DRINKING FOUNTAIN TO REMAIN



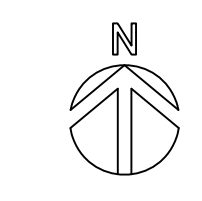
1 EXISTING STAFF RESTROOMS
 SCALE: 1/4" = 1'-0"



2 EXISTING GIRLS RESTROOMS
 SCALE: 1/4" = 1'-0"



3 EXISTING BOYS RESTROOMS
 SCALE: 1/4" = 1'-0"

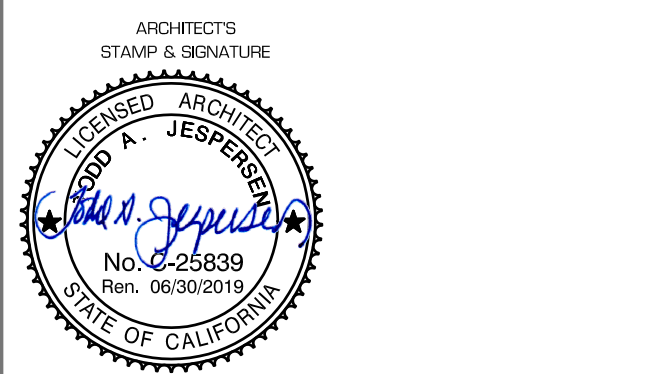


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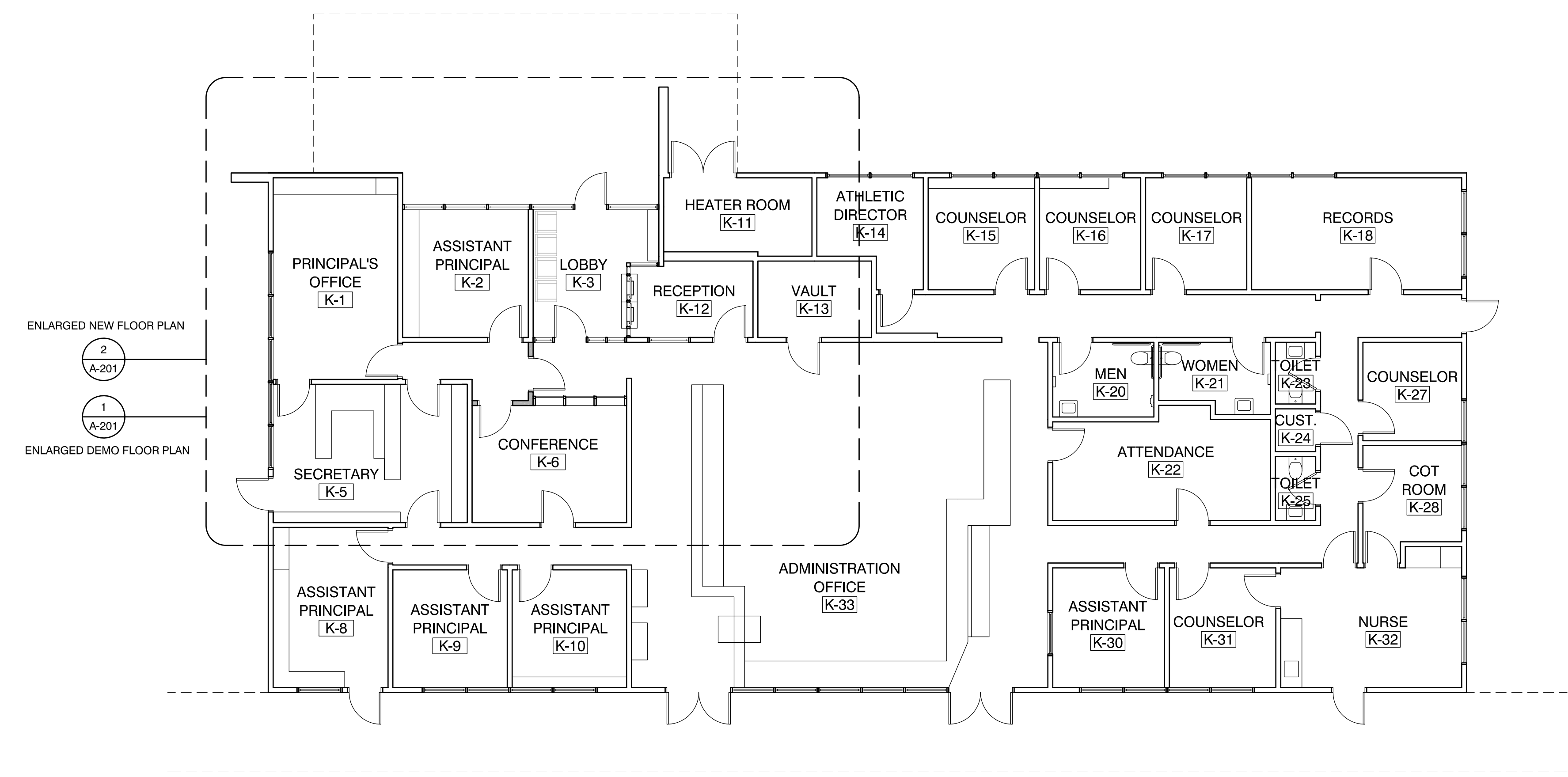
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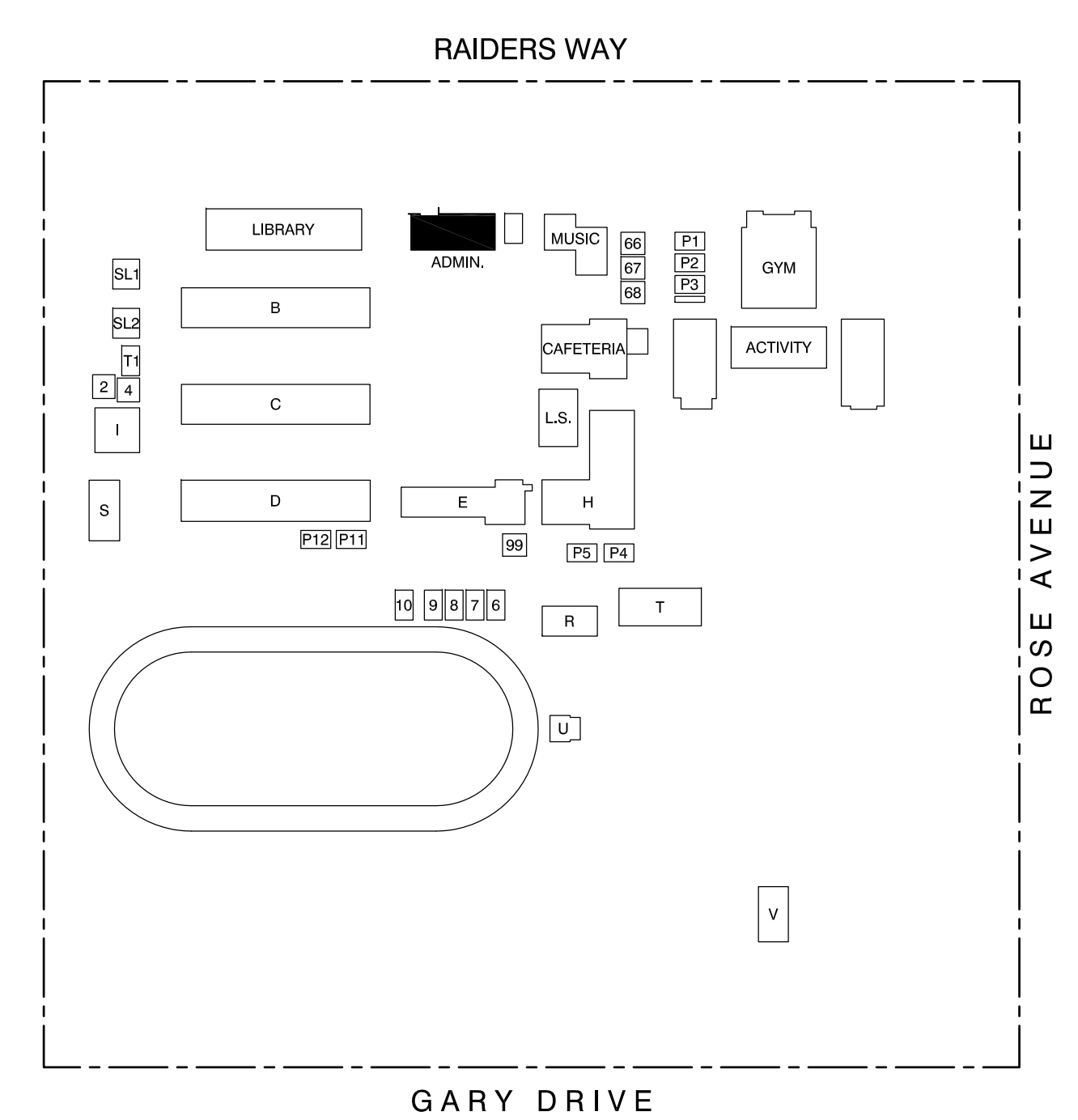
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OXNARD UNION HIGH SCHOOL DISTRICT
 CHANNEL ISLANDS HIGH SCHOOL
 1400 RAIDERS WAY, OXNARD, CA 93030
 SITE SECURITY IMPROVEMENTS



1 BUILDING 'K' FLOOR PLAN
 SCALE : 1/8" = 1'-0"



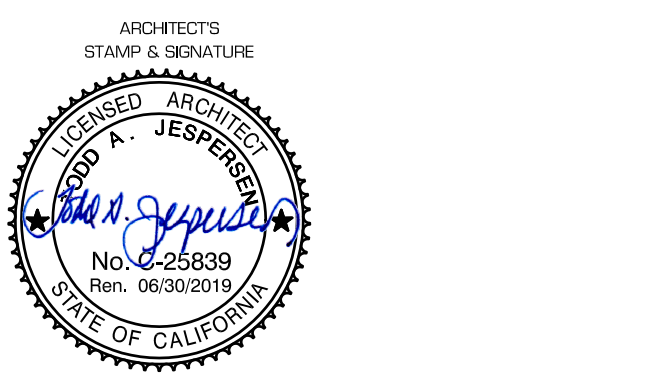
KEY PLAN



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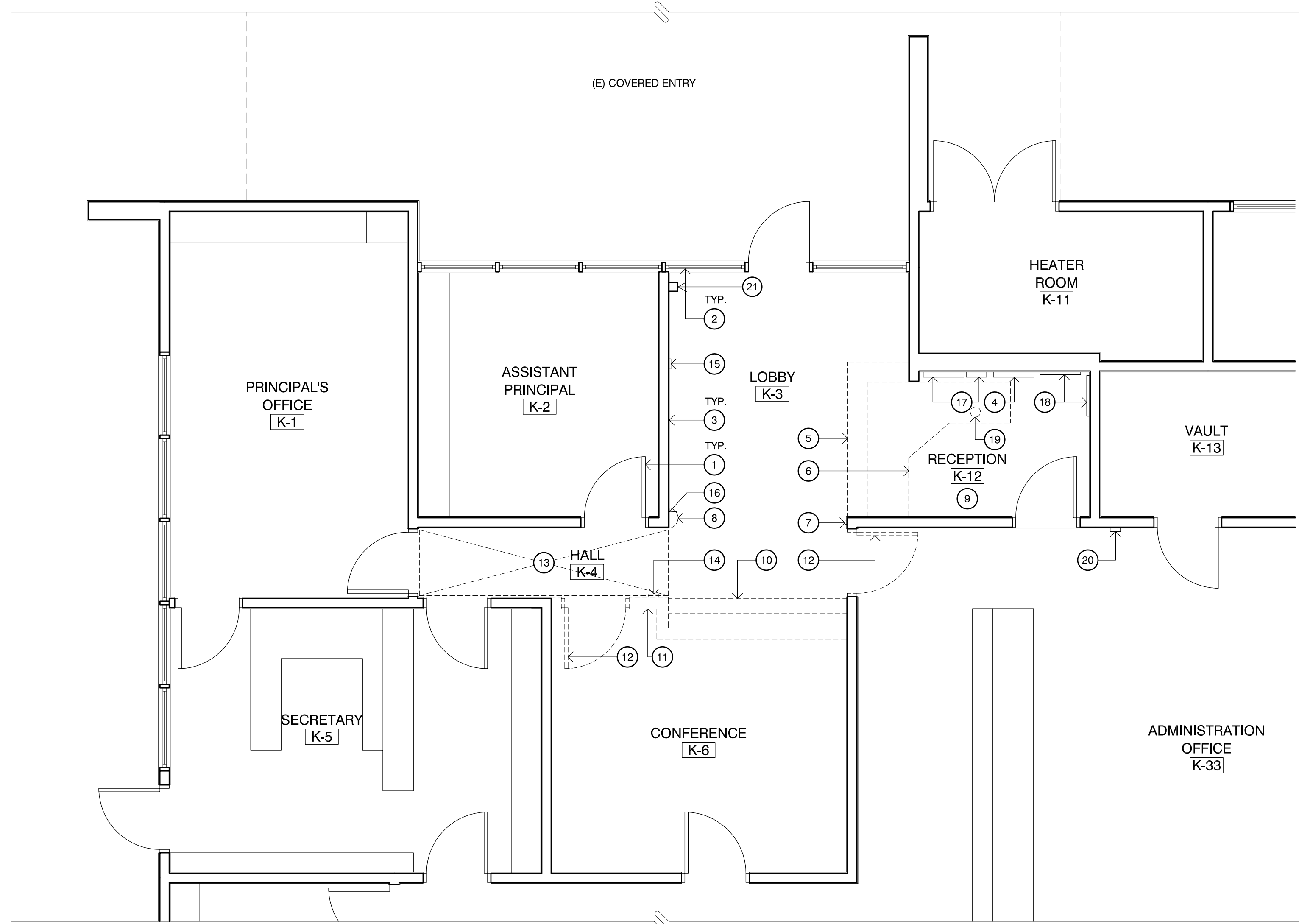


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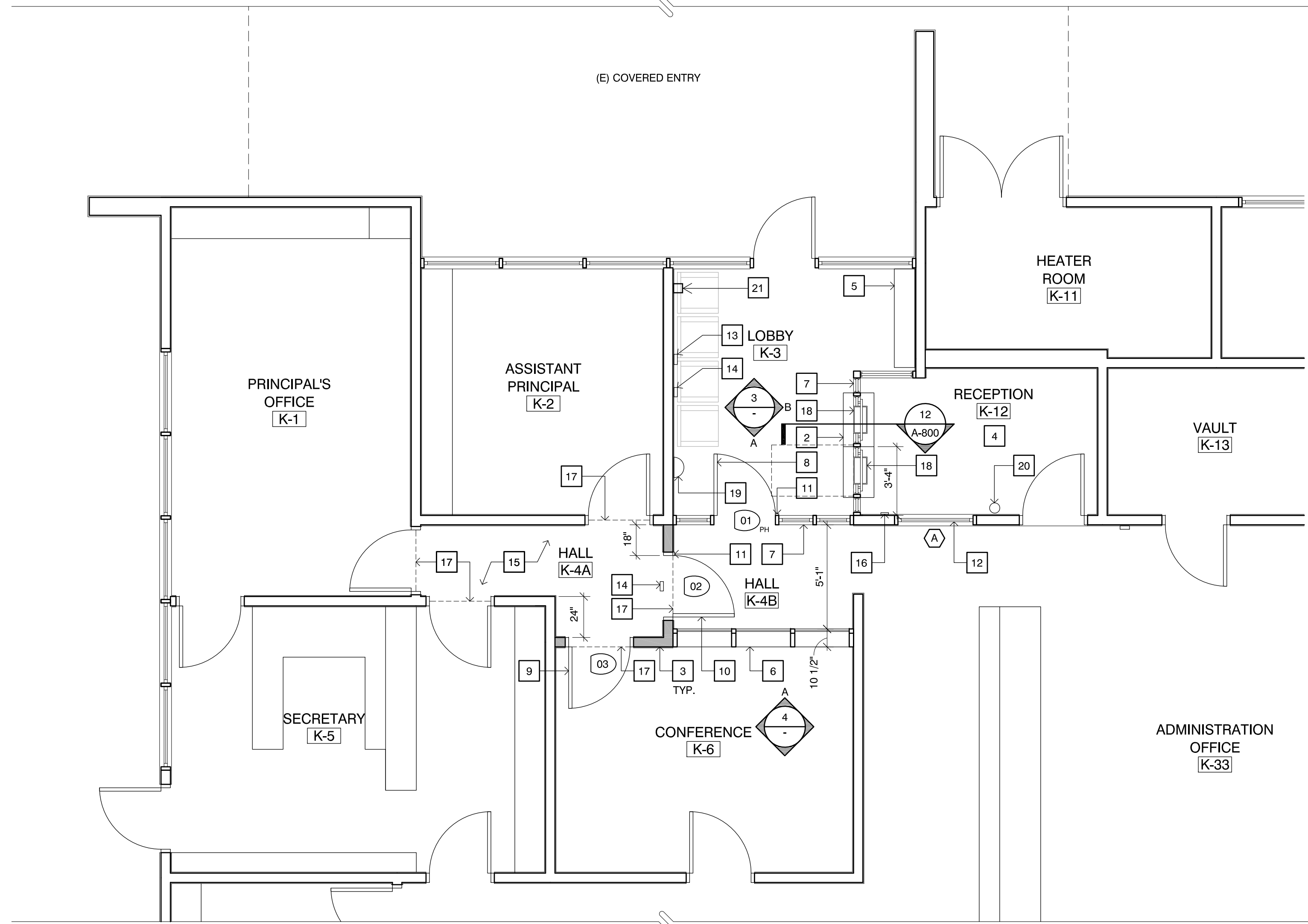
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SHEET BUILDING 'K' FLOOR PLAN
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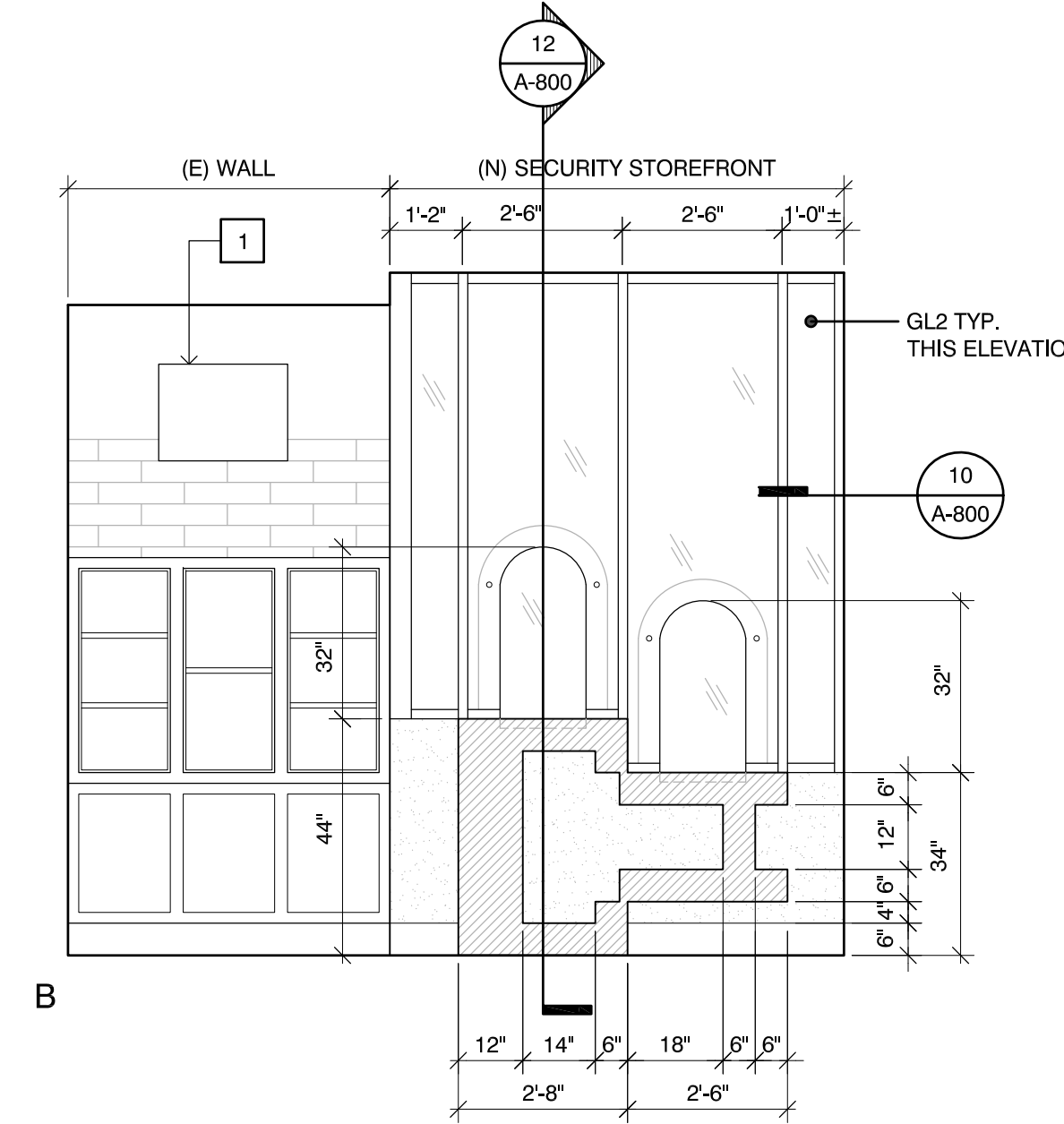
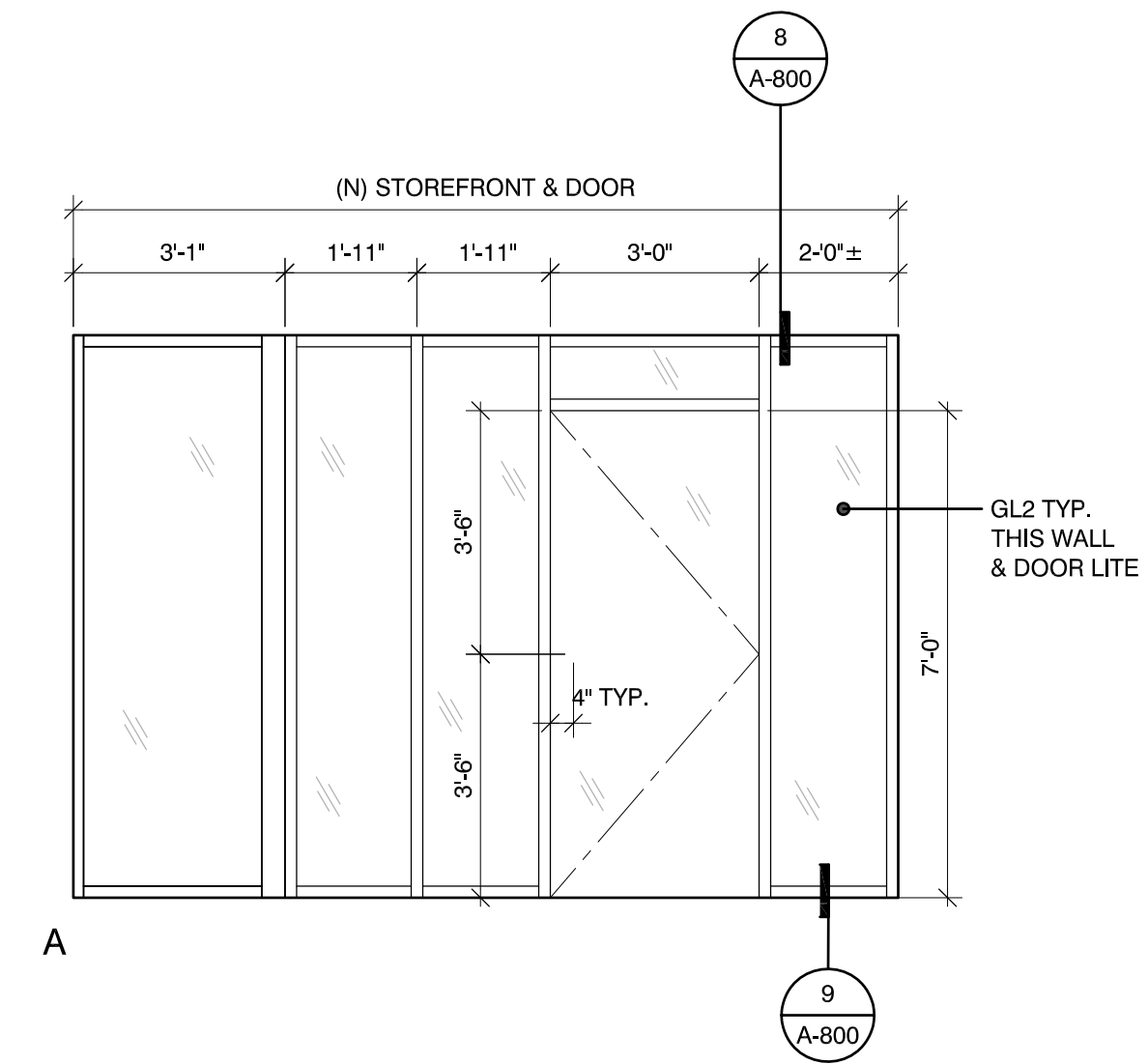
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A-200



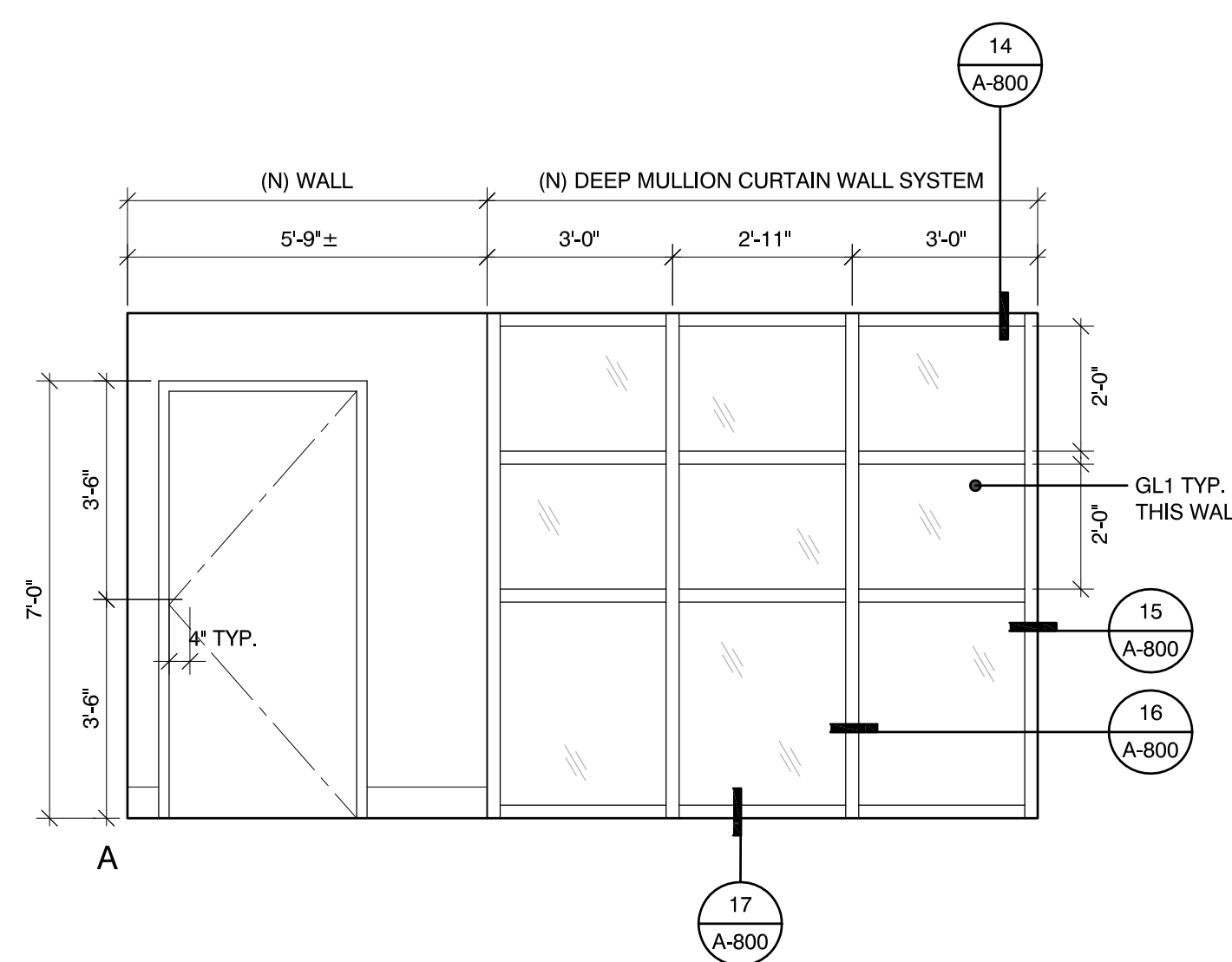
1 ENLARGED DEMO FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 ENLARGED NEW FLOOR PLAN
SCALE: 1/4" = 1'-0"



3 INTERIOR ELEVATIONS - LOBBY
SCALE: 3/8" = 1'-0"



4 INTERIOR ELEVATIONS - CONFERENCE
SCALE: 3/8" = 1'-0"

DEMO PLAN KEYNOTES

- 1 (E) DOOR TO REMAIN
- 2 (E) WINDOW TO REMAIN
- 3 (E) WALL TO REMAIN
- 4 (E) FIRE ALARM PANEL TO REMAIN
- 5 DEMO (E) COUNTER
- 6 REMOVE (E) WORKSTATION
- 7 UPDATE (E) FIRE ALARM STROBE TO HORN/STROBE AND RELOCATE
- 8 RELOCATE (E) HALF-DOME SAFETY MIRROR
- 9 REMOVE (E) CARPET & RUBBER BASE
- 10 DEMO (E) CABINET/WALL ASSEMBLY
- 11 DEMO (E) WALL
- 12 DEMO (E) DOOR & FRAME
- 13 REMOVE (E) VCT & BASE FOR (N) WORK
- 14 RELOCATE (E) EMERGENCY LIGHTING
- 15 RELOCATE (E) EXIT SIGN
- 16 (E) LIGHT SWITCH TO REMAIN
- 17 (E) DATA BOX TO REMAIN
- 18 (E) ELECTRICAL PANEL TO REMAIN
- 19 RELOCATE (E) FIRE EXTINGUISHER
- 20 (E) FIRE ALARM DEVICE TO REMAIN
- 21 (E) PULL STATION TO REMAIN

NEW PLAN & INTERIOR ELEVATIONS KEYNOTES

- 1 (E) TV - PROVIDE OUTLET @ WALL BEHIND TV
- 2 (N) H-HO COUNTER
- 3 (N) WALL
- 4 (N) CARPET & RUBBER BASE
- 5 (N) TROPHY DISPLAY CASE
- 6 (N) 10 1/2" DEEP MULLION CURTAIN WALL SYSTEM W/ 1/4" LAMINATED SAFETY GLASS
- 7 (N) SECURITY STOREFRONT ASSEMBLY
- 8 (N) STOREFRONT DOOR
- 9 (N) DOOR
- 10 (N) DOOR WITH VISION PANEL
- 11 (N) CARD ACCESS
- 12 (N) 4" W. WINDOW
- 13 REPLACE (E) EXIT SIGN WITH (E) EMERGENCY LIGHTING
- 14 (N) LOCATION FOR (N) FIRE ALARM HORN/STROBE
- 15 (N) VCT TO MATCH (E)
- 16 (N) DOOR ACCESS CONTROLS @ +38" AFF
- 17 (N) ALUMINUM TRANSITION STRIP
- 18 (N) BULLET-TRAP RECESSED CURRENCY TRAY
- 19 (N) LOCATION FOR (E) HALF-DOME SAFETY MIRROR
- 20 (N) LOCATION FOR (E) FIRE EXTINGUISHER
- 21 (E) PULL STATION TO REMAIN

LEGEND

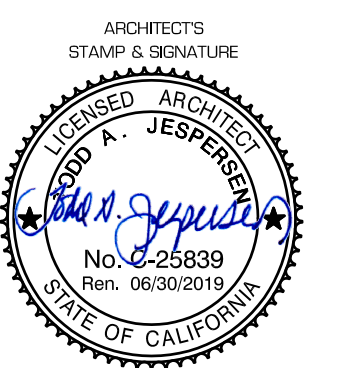
- (N) WALL, MATCH (E) ADJACENT FINISHES
- (N) H-HO SOLID SURFACE CASEWORK TRANSACTION COUNTER
- (N) GYPSUM BOARD



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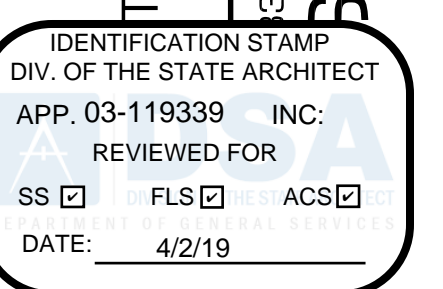


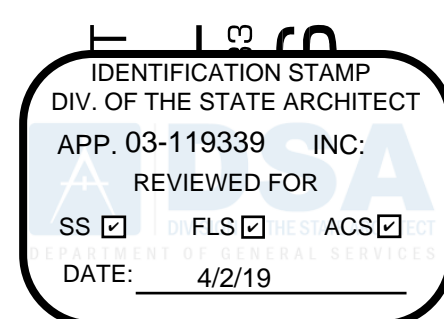
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SHEET: ENLARGED DEMO FLOOR PLAN
TITLE: ENLARGED NEW FLOOR PLAN
INTERIOR ELEVATIONS

OXNARD UNION HIGH SCHOOL DISTRICT
 CHANNEL ISLANDS HIGH SCHOOL
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 SITE SECURITY IMPROVEMENT





OXNARD UNION HIGH SCHOOL DISTRICT
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 SITE SECURITY IMPROVEMENT

DOOR, FRAME AND SIGNAGE MESSAGE SCHEDULE																													
DOOR	DOOR INFO																	SIGNAGE INFO											
	DOOR OPENING		DOOR					CUTOUTS		HDWR GROUP	ASSY FIRE RATING	FRAME				DETAILS				DOOR REMARKS	SIGN TYPE/ SEE DETAIL SIDE OF DOOR		DESCRIPTION		MESSAGE		SIGNAGE REMARKS		
	WIDTH	HEIGHT	TYPE	MAT'L	THICK	FIN	COLOR	LITE	LVR			TYPE	MAT'L	FIN	COLOR	HEAD	JAMB	SILL	SIGNAGE		PULL SIDE	PUSH SIDE	PULL SIDE	PUSH SIDE	PULL SIDE	PUSH SIDE			
1	3'-0"	7'-0"	A	BR	1 3/4"	FF	TBD	1	-	01	-	1	HM	FF	TBD	4 A-800	4 A-800	4 A-800	7 A-800	G1 A-800	S1 A-800	CARD READER & ACCESS CONTROL PANIC HARDWARE	S1	S1	◇	◇	OFFICE	EXIT	◇
2	3'-0"	7'-0"	B	SC WD	1 3/4"	P.LAM	TBD	1	-	02	-	1	HM	PT	TBD	4 A-800	4 A-800	4 A-800	7 A-800	G1 A-800	S1 A-800	CARD READER & ACCESS CONTROL	S1	S1	◇	◇	PRINCIPAL ASSISTANT PRINCIPAL EXIT	CONFERENCE	◇
3	3'-0"	7'-0"	B	SC WD	1 3/4"	P.LAM	TBD	-	-	02	-	1	HM	PT	TBD	4 A-800	4 A-800	4 A-800	7 A-800	G1 A-800	S1 A-800		S1	S1	◇	◇			

DOOR & WINDOW SCHEDULE KEYNOTES

- 1 DOOR HARDWARE PROVIDED BY MODULAR PARTITION MANUFACTURER

SIGNAGE KEYNOTES

- 1 EXTERIOR PANEL SIGN
- 2 INTERIOR PANEL SIGN

GLAZING TYPES

- GL1 LAMINATED SAFETY GLASS (CLEAR) - 1/2" THICK
- GL2 BULLET-RESISTANT 1-1/4" LP 125 - LAMINATED (CLEAR)

ABBREVIATIONS

- ALUM ALUMINUM
- FF FACTORY FINISH
- HM HOLLOW METAL
- MFR PER MANUFACTURER
- PT PAINTED
- SC WD SOLID CORE WOOD
- SS STAINLESS STEEL
- BR BULLET-RESISTANT
- P.LAM PLASTIC LAMINATE

GENERAL NOTES

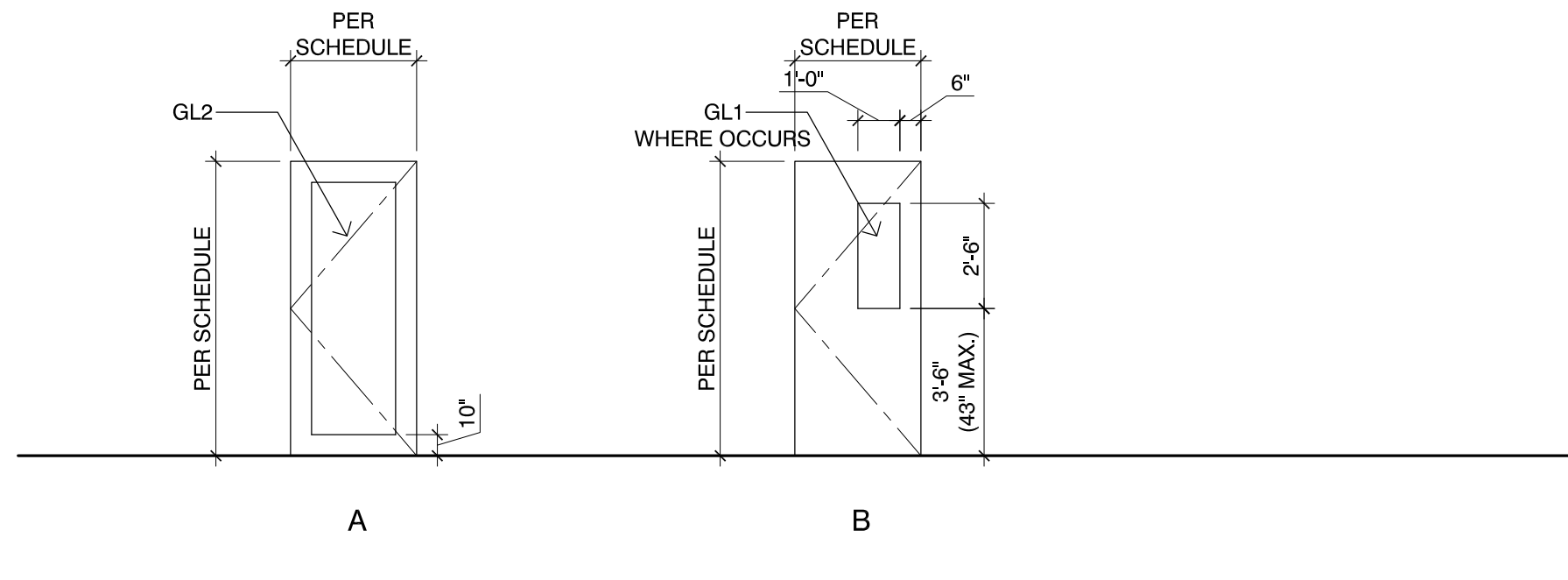
- SEE S1/A-800 FOR INTERIOR PANEL SIGNAGE MOUNTING HEIGHTS.
- SEE DOOR & FRAME SCHEDULE FOR PANEL SIGNAGE ASSOCIATED w/ A DOOR.
- SEE SHEET A-800 FOR SIGN DETAILS.

SIGNAGE NOTES

- SK1 PANEL WALL MOUNT

DOORS AND WINDOWS NOTES

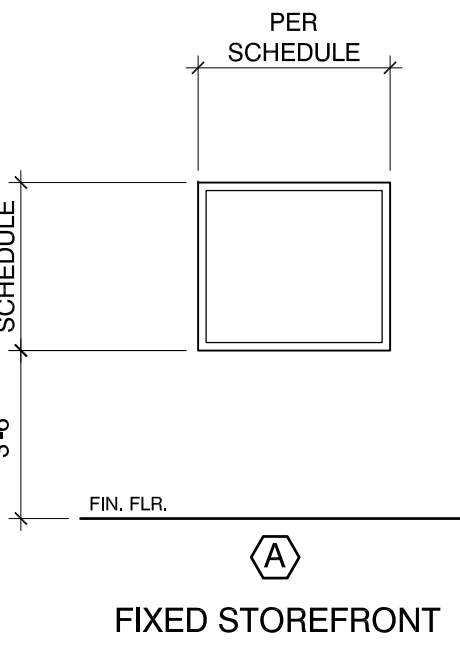
- VERIFY ALL ROUGH OPENINGS DIMENSIONS PRIOR TO FABRICATION.
- ALL DOORS SHALL HAVE LEVER HARDWARE U.O.N. DOOR HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES SHALL BE INSTALLED MINIMUM 34" AND MAXIMUM 48" ABOVE FINISH FLOOR. (CBC 1008.1.9.2).
- ALL EXIT DOORS SHALL BE OPENABLE FROM INSIDE 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 POUND (CBC 1008.1.3).
- CONTRACTOR SHALL PROVIDE POWER AS NECESSARY FOR FULL OPERATION OF KEYPAD ACCESS.
- PANIC HARDWARE SHALL CONTAIN A MINIMUM OF TWO LOCKING POINTS ON EACH DOOR.
- GLAZING IN DOORS OR WITHIN 40" OF ANY DOOR LOCKING MECHANISM SHALL BE FULLY TEMPERED SAFETY GLASS.
- ALL PEDESTRIAN DOORS AND GATES (EXCEPT SLIDING DOORS) SHALL BE PROVIDED WITH A KICKPLATE AT THE BOTTOM 10 INCHES OF THE PUSH SIDE OF THE DOOR.
- PROVIDE STEEL INSERTS AT STOREFRONTS AS REQUIRED.



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

DOOR FRAME TYPES
SCALE: 1/4" = 1'-0"

WINDOW & LOUVER SCHEDULE														
WINDOW TYPE	NOMINAL SIZE		FRAME			GLASS (2)		SCREEN	ASSY FIRE RATING	DETAILS				REMARKS
	WIDTH	HEIGHT	MATERIAL	FIN	COLOR	TYPE	THK			HEAD	L JAMB	R JAMB	SILL	
A	4'-0"	3'-6"	ALUM.	FF	TBD	GL-1	1/4"	-	NONE	18 A-800	18 A-800	18 A-800	18 A-800	FIXED STOREFRONT



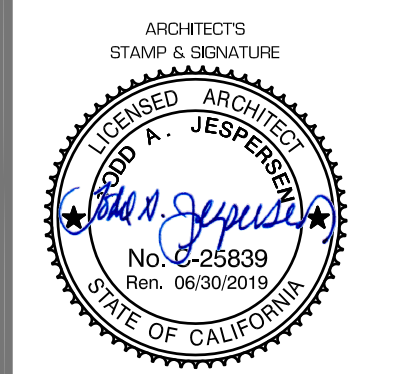
WINDOW TYPES
SCALE: 1/4" = 1'-0"



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△	-	-/-	XX

REVISION DESCRIPTION DATE BY
DRAWN JL
CHECKED TJ
DATE 1/18/2018
JOB. NO. 18015
SHEET DOOR & WINDOW SCHEDULE
TITLE

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR			BASE			WAINSCOT				WALLS								CEILING			REMARKS					
		SUB FLOOR	FLOOR MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	HEIGHT	NORTH		EAST		SOUTH		WEST		MATERIAL	FINISH		COLOR	HEIGHT			
													MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH						MATERIAL	FINISH	
K-3	LOBBY	F1	F3	-	-	B1	FN1	C2	-	-	-	W1	FN2	P1	W2	FN2	P1	W3	FN1	-	W4	FN2	P1	CL3	-	-	VARIABLES	
K-4A	HALL	F1	F4	FN1	C4	B1	FN1	C2	-	-	-	W1	FN2	P1	W2	FN2	P1	W3	FN2	P1	W4	FN2	P1	CL3	-	-	VARIABLES	
K-4B	HALL	F1	F3	-	-	B1	FN1	C2	-	-	-	W5	FN1	-	W1	FN2	P1	W5	FN1	-	W2	FN2	P1	CL3	-	-	VARIABLES	
K-6	CONFERENCE	F1	F3	-	-	B1	FN1	C2	-	-	-	W2	FN2	P1	W1	FN2	P1	W1	FN2	P1	W1	FN2	P1	CL3	-	-	VARIABLES	
K-12	RECEPTION	F1	F2	FN1	C1	B1	FN1	C2	-	-	-	W2	FN2	P1	W1	FN2	P1	W1	FN2	P1	W2	FN2	P1	CL3	-	-	VARIABLES	

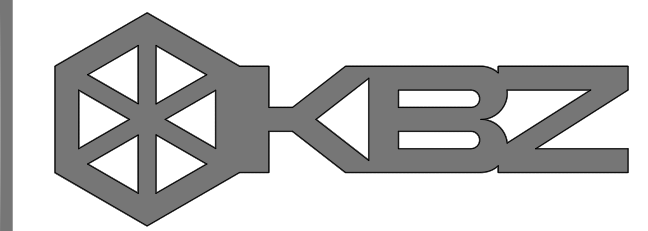
ROOM FINISH NOTES

- ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 3, 4, 6, 7, 8, 10 AND 11B AND CFC.
- ALL EXPOSED STEEL FRAMING AND CONNECTORS AT BUILDING INTERIOR SHALL BE PAINTED.
- ALL EXPOSED SPRINKLER PIPING AT BUILDING INTERIOR SHALL BE PAINTED.
- ALL EXPOSED DUCTWORK SHALL BE PAINTED.
- ALL EXPOSED GYPSUM BOARD SHALL RECEIVE A LEVEL 4 FINISH.
- ALL INTERIOR WALL AND CEILING FINISHES SHALL MEET THE FLAMESPREAD AND SMOKE DEVELOPED INDEXES OF CBC TABLE 803.9.
- FURNISH AND INSTALL 4'-0" HIGH 1" STAINLESS STEEL CORNER GUARDS AT ALL OUTSIDE WALL CORNERS WITHIN THE BUILDING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SHOP DRAWINGS AND PROVIDING AND INSTALLING THE REQUIRED FACILITY INFRASTRUCTURE FOR THE SUPPORT SYSTEM SERVICES ALL EQUIPMENTS. SUPPORT SYSTEMS INCLUDE, BUT NOT LIMITED TO CONDUITS, WIRES AND BOXES, UTILITIES SERVING ALL APPLIANCES. CONTRACTOR SHALL PROVIDE AND INSTALL ALL STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND OTHER REQUIRED SUPPORT SERVICES NECESSARY TO SUPPORT THE OPERATION OF THE BUILDING COMPONENTS.
- ALL FINISH FLOORING SURFACES SHALL BE FIRM, STABLE, AND SLIP RESISTANT.

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APP. 03-119339 INC.
REVIEWED FOR
SS FLS ACS
DATE: 4/2/19

OXNARD UNION HIGH SCHOOL DISTRICT
CHANNEL ISLANDS HIGH SCHOOL
1400 RAIDERS WAY, OXNARD, CA 93030
SITE SECURITY IMPROVEMENT

MATERIALS LEGEND		MISC COLOR LEGEND	
Subfloor/Flooring	F1 (E) CONCRETE SUBFLOOR	C1 CARPET FLOORING COLOR TO MATCH EXISTING	
	F2 (N) CARPET	C2 RUBBER BASE COLOR TO MATCH EXISTING	
	F3 (E) VCT	C3 "TECTUM" ACOUSTIC CEILING PANEL COLOR TO BE DETERMINED	
	F4 (N) VCT	C4 VCT FLOORING COLOR TO MATCH EXISTING	
Base	B1 (N) 4" RUBBER BASE		
Walls	W1 (E) GYP. BRD.	PAINT COLOR LEGEND	
	W2 (N) GYP. BRD.	P1 DUNN EDWARDS, PAINT COLOR: T.B.D. (WALLS & CEILINGS)	
	W3 (N) CERAMIC TILE	P2 DUNN EDWARDS, PAINT COLOR: T.B.D. (INTERIOR DOOR FRAMES)	
	W4 (N) FIBERGLASS REINFORCED PLASTIC (FRP) PANELS	P3 DUNN EDWARDS, PAINT COLOR: T.B.D. (EXTERIOR DOOR FRAMES)	
	W5 (N) SECURITY STOREFRONT		
Ceilings	CL1 (E) ACOUSTICAL PANELS		
	CL2 (N) ACOUSTICAL PANELS		
	CL3 (E) GYP. BRD. CEILING		
Finish	FN1 FACTORY FINISH	KEYNOTES	
	FN2 PAINT	1 NOT USED	
		GENERAL NOTES	
		<ol style="list-style-type: none"> DIRECTIONAL LOCATIONS INDICATED ON ROOM FINISH SCHEDULES ARE ORIENTATED ACCORDING TO TRUE NORTH AS SHOWN ON PLAN ALL WALLS TO BE PAINTED P1 U.N.O. ALL DOOR FRAMES TO BE PAINTED PAINT SYSTEM P28J. SEE DOOR SCHEDULE FOR COLORS. ALL METAL DOORS TO BE PAINTED PAINT SYSTEM P28B. SEE DOOR SCHEDULE FOR COLORS. PROVIDE TRANSITIONS AT ALL FLOORING MATERIAL CHANGES - REF DETAILS THIS SHEET. ALL MATERIALS TO MEET CBC TABLE 8A FOR FRAME SPREAD. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED FOR FIRE PERFORMANCE AND SMOKE DEVELOPMENT PER 2016 CALIFORNIA BUILDING CODE, SEC. 803. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED BY OCCUPANCY PER TABLE 803.9 OR BE TESTED PER SEC. 803.12 (NFPA 286 CRITERIA) OF 2016 CALIFORNIA BUILDING CODE. TEXTILE WALL AND VINYL COVERINGS SHALL BE TESTED PER SEC. 803.1.3 ACCEPTANCE CRITERIA OF NFPA 265 OR PER SEC. 803.1.4 ACCEPTANCE CRITERIA TESTED TO ASTM E84 OR UL 723 CLASS A FLAME SPREAD INDEX AND HAVE AFSS PER SEC. 903.1.1.2, 2010 CALIFORNIA BUILDING CODE. <ol style="list-style-type: none"> EXCEPTION: 803.2 MATERIALS LESS THAN 0.036" THICK APPLIED DIRECTLY NEED NOT BE TESTED. PER SEC. 803.5, TEXTILE WALL COVERINGS, INCLUDING CARPET, SHALL BE TESTED USING PRODUCT MOUNTING SYSTEM INCLUDING ADHESIVE. PER SEC. 803.6, TEXTILE CEILING COVERINGS SHALL BE TESTED USING PRODUCT MOUNTING SYSTEM INCLUDING ADHESIVE. PER SEC. 803.7, EXPANDED VINYL WALL COVERINGS SHALL BE TESTED USING PRODUCT MOUNTING SYSTEM INCLUDING ADHESIVE. PER SEC. 803.8, EXPANDED VINYL CEILING COVERINGS SHALL BE TESTED USING PRODUCT MOUNTING SYSTEM INCLUDING ADHESIVE. PER SEC. 803.8.10, STABILITY - INTERIOR FINISH MATERIALS WILL NOT BECOME READILY DETACHED WHERE SUBJECTED TO ROOM TEMP. OF 200 DEG. F FOR 30 MIN. DECORATIVE TRIM & MATERIALS SHALL COMPLY WITH 2016 CALIFORNIA BUILDING CODE. THERMAL AND ACOUSTICAL INSULATION SHALL COMPLY WITH SEC. 719, 2010 CALIFORNIA BUILDING CODE. 	



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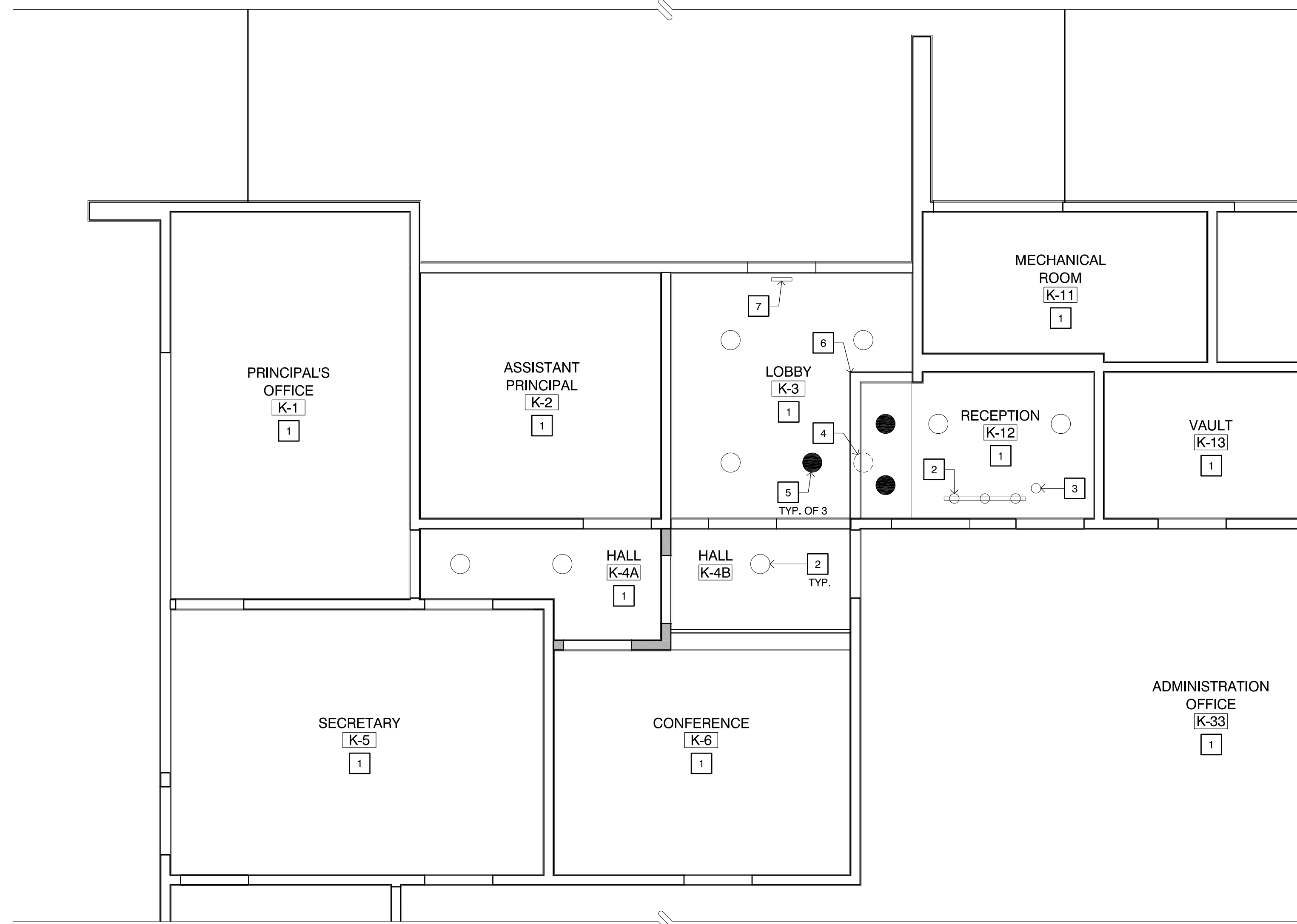


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REVISION DESCRIPTION DATE BY

DRAWN: JL
CHECKED: TJ
DATE: 1/18/2018
JOB NO.: 18015

SHEET TITLE: ROOM FINISH SCHEDULE



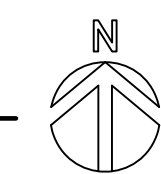
CEILING PLAN KEYNOTES

- 1 (E) CEILING TO REMAIN
- 2 (E) LIGHT FIXTURE TO REMAIN
- 3 (E) SMOKE DETECTOR TO REMAIN
- 4 REMOVE (E) LIGHT FIXTURE, PATCH CEILING TO MATCH (E)
- 5 (N) LIGHT FIXTURE: LITHONIA WF6-LED-35K-MW WITH WFJBU HANGER AND WFEX CABLE AS REQUIRED
- 6 (N) SECURITY STOREFRONT
- 7 (N) LOCATION FOR (E) EXIT SIGN

LEGEND

— (N) WALL MATCH (E) ADJACENT FINISHES

1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



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 CHANNEL ISLANDS HIGH SCHOOL
 1400 RAIDERS WAY, OXNARD, CA 93030
 SITE SECURITY IMPROVEMENT



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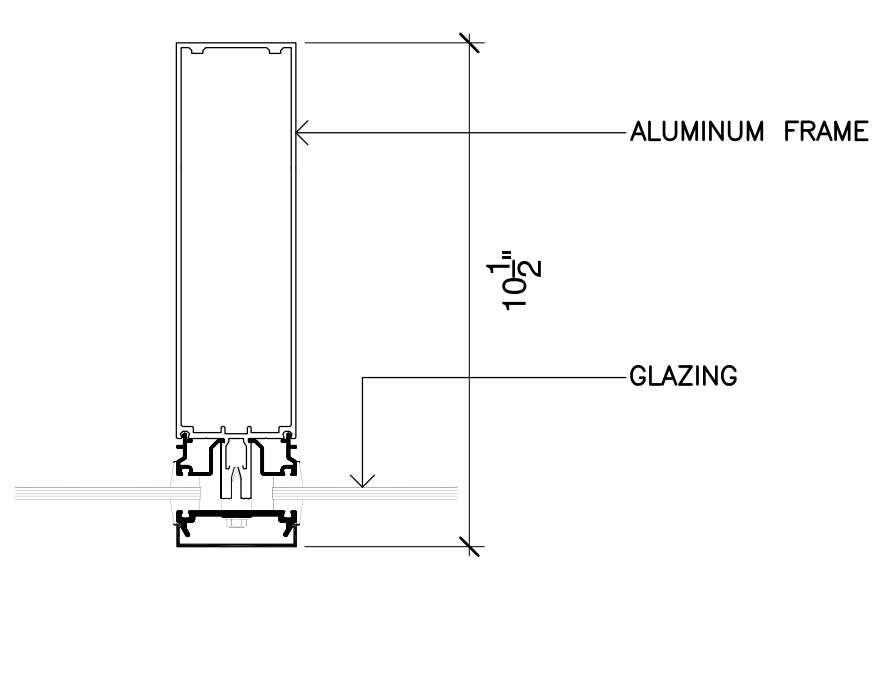
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REVISION	DESCRIPTION	DATE	BY
DRAWN	JL		
CHECKED	TJ		
DATE		1/18/2018	
JOB. NO.		18015	

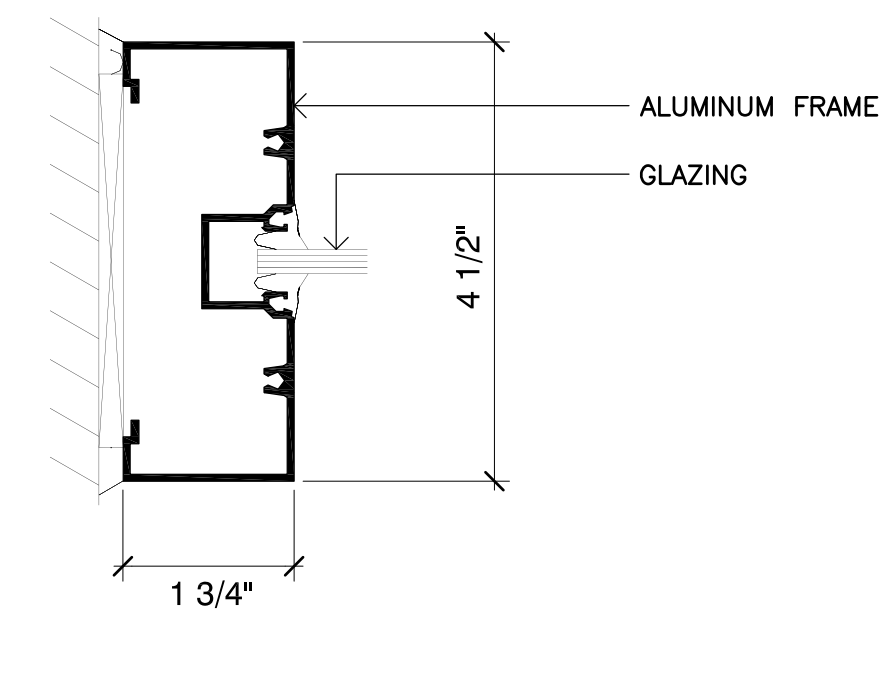
SHEET REFLECTED CEILING PLAN
TITLE

SHEET
TITLE
A-600

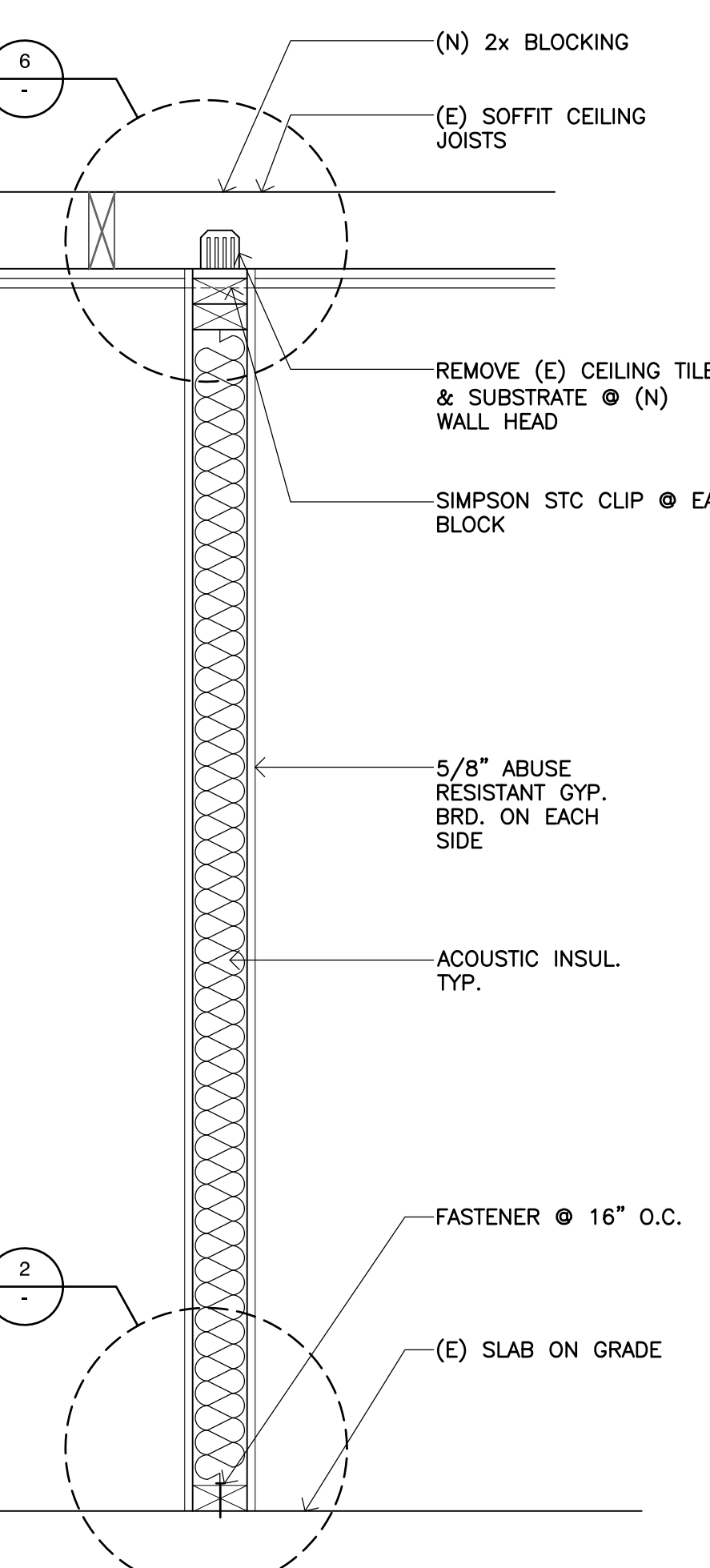
16 Deep Mullion Curtain Wall Mullion
 SCALE: 3" = 1'-0"



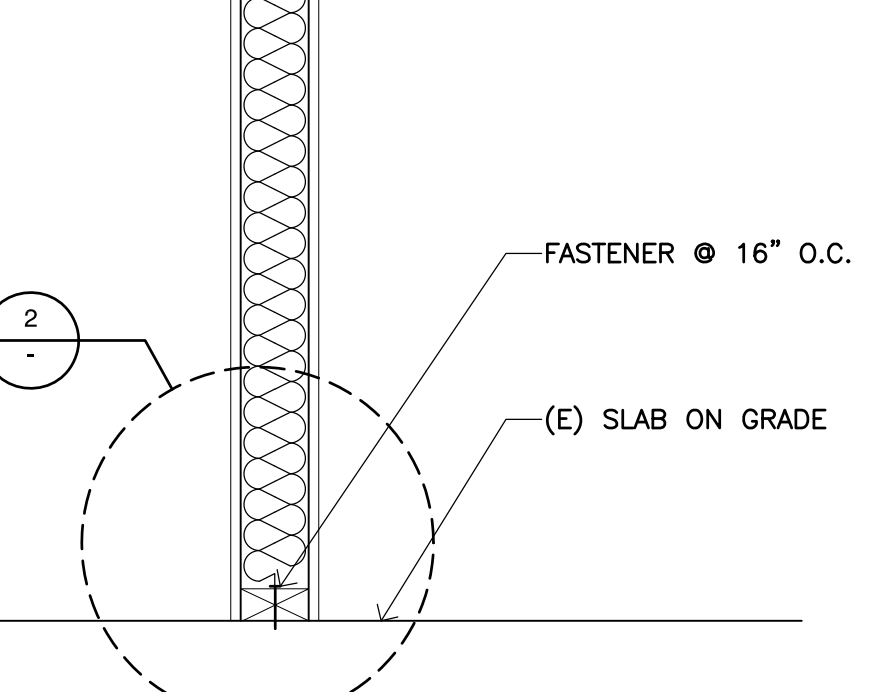
17 Deep Mullion Curtain Wall Sill
 SCALE: 3" = 1'-0"



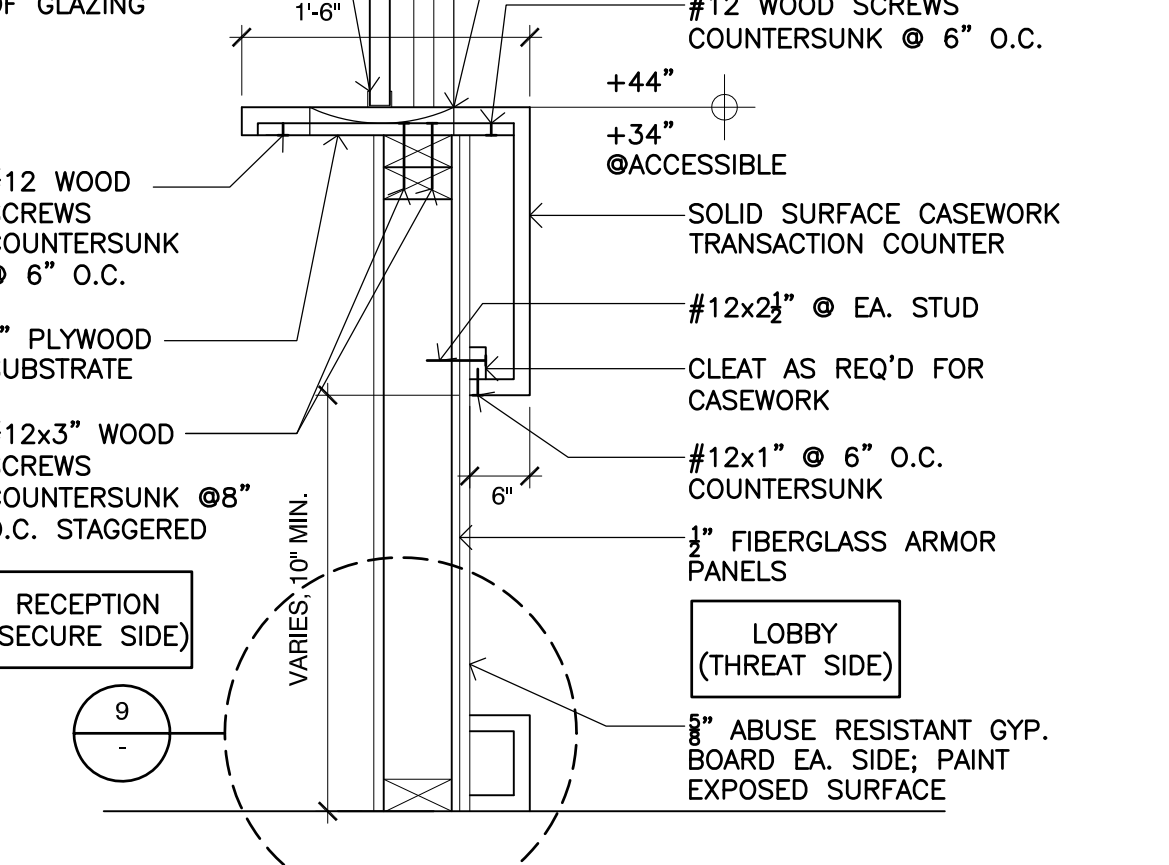
18 Fixed Storefront
 SCALE: 6" = 1'-0"



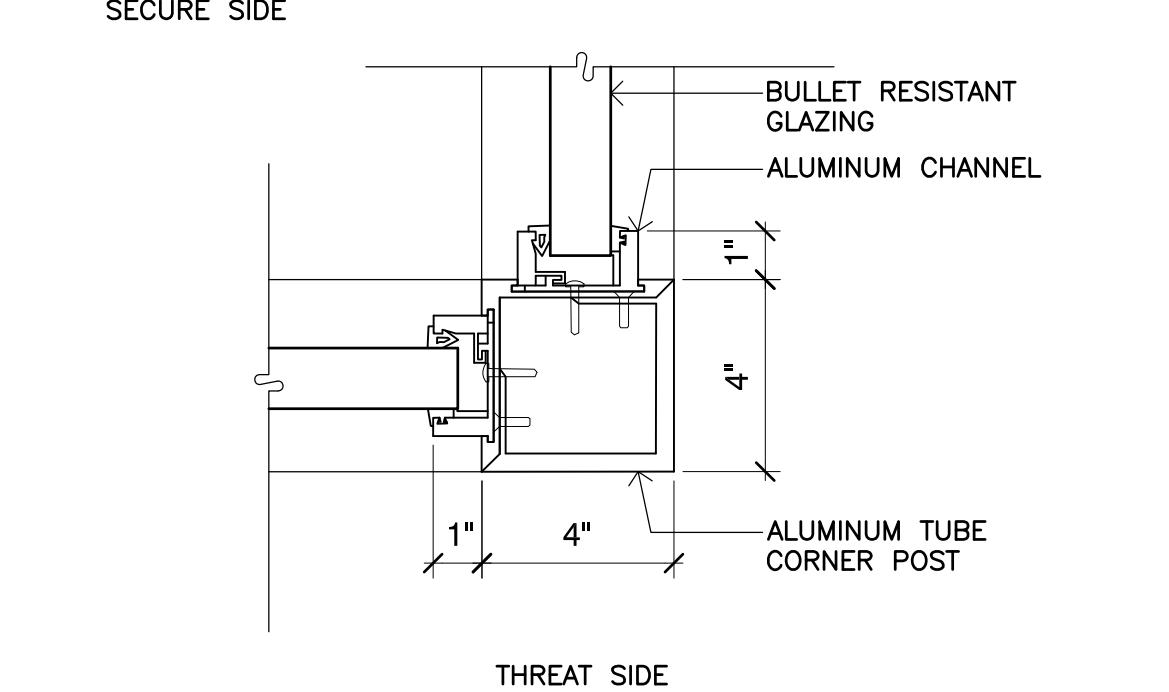
19 Wall Section
 SCALE: 1" = 1' - 0"



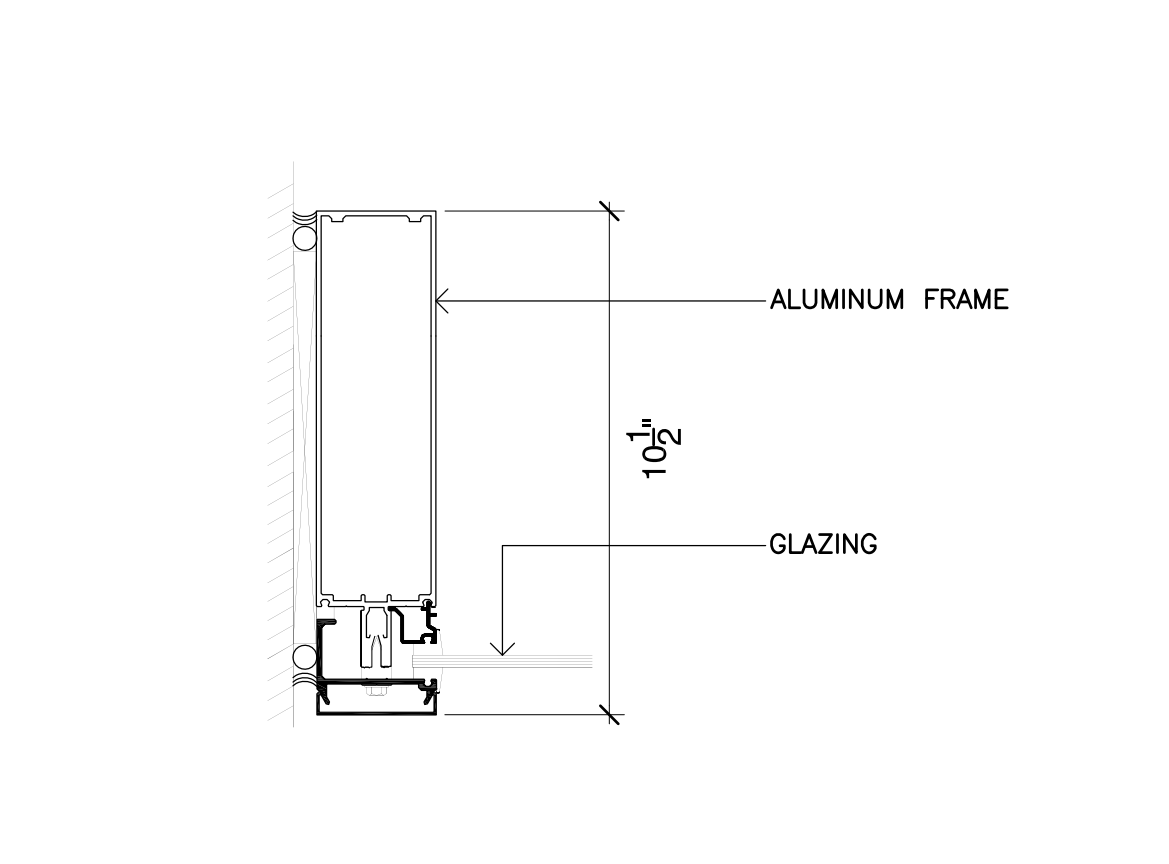
12 Storefront Wall Section
 SCALE: 1" = 1' - 0"



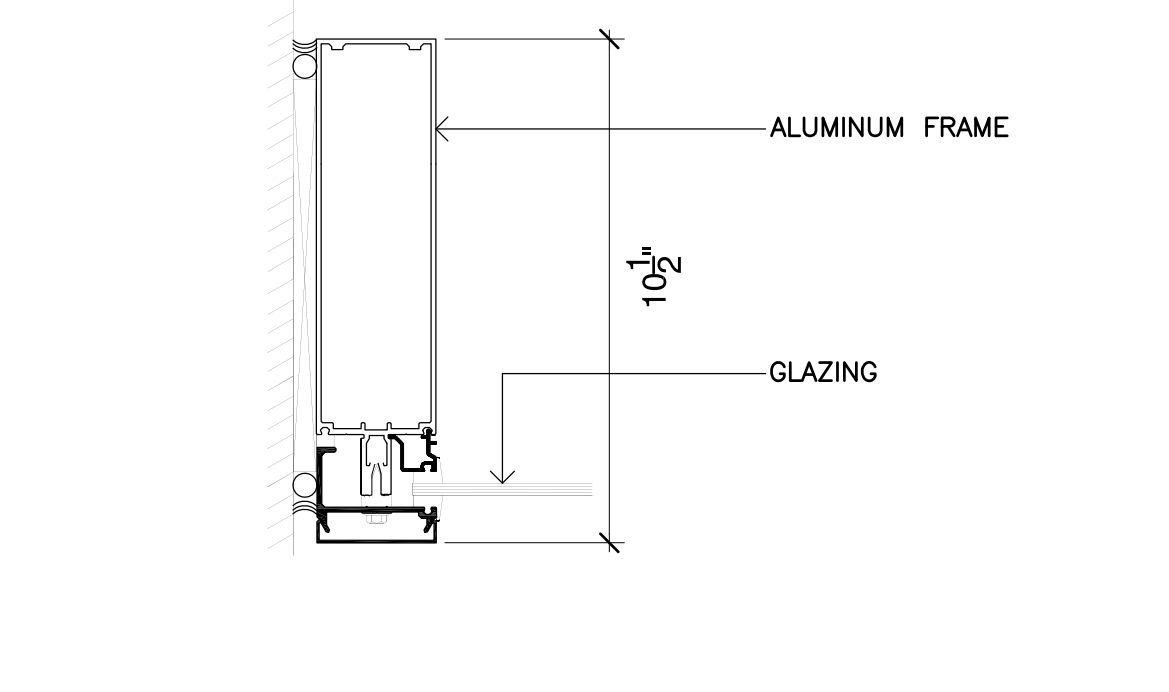
13 Storefront Corner
 SCALE: 3" = 1'-0"



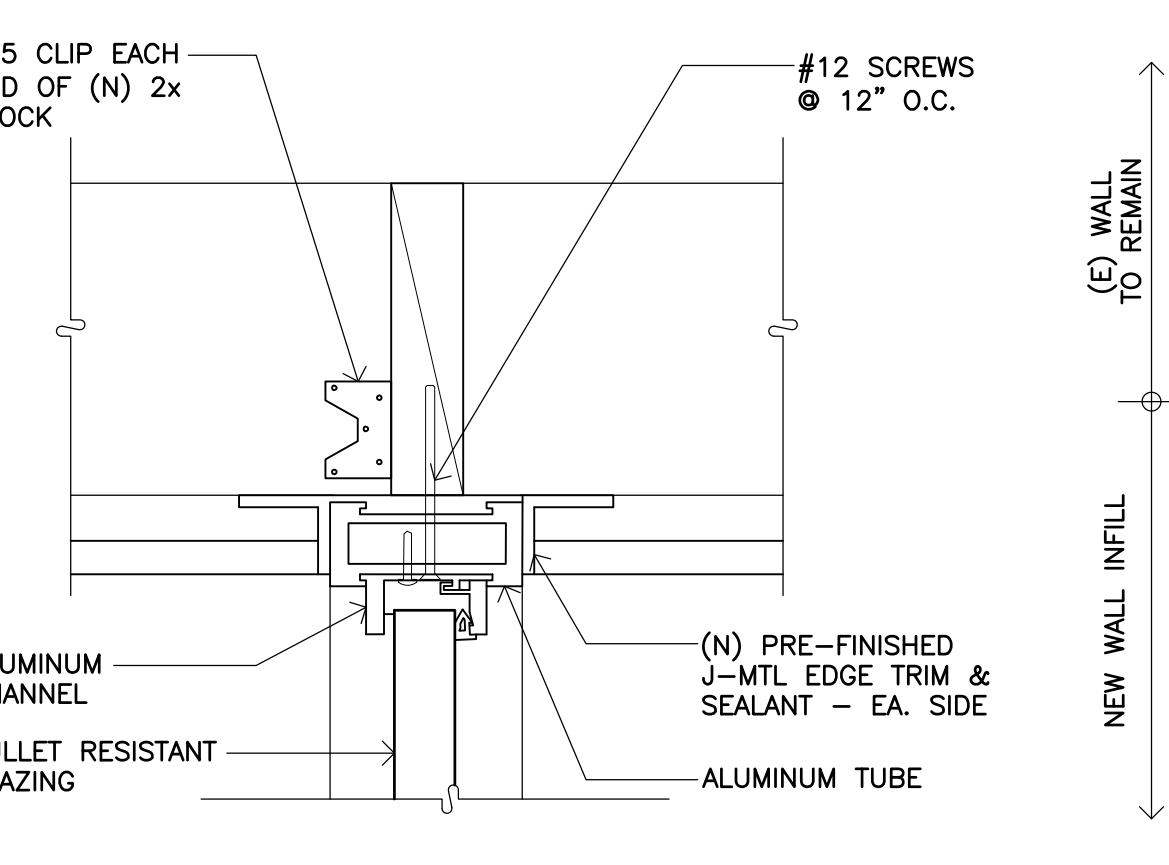
14 Deep Mullion Curtain Wall Head
 SCALE: 3" = 1'-0"



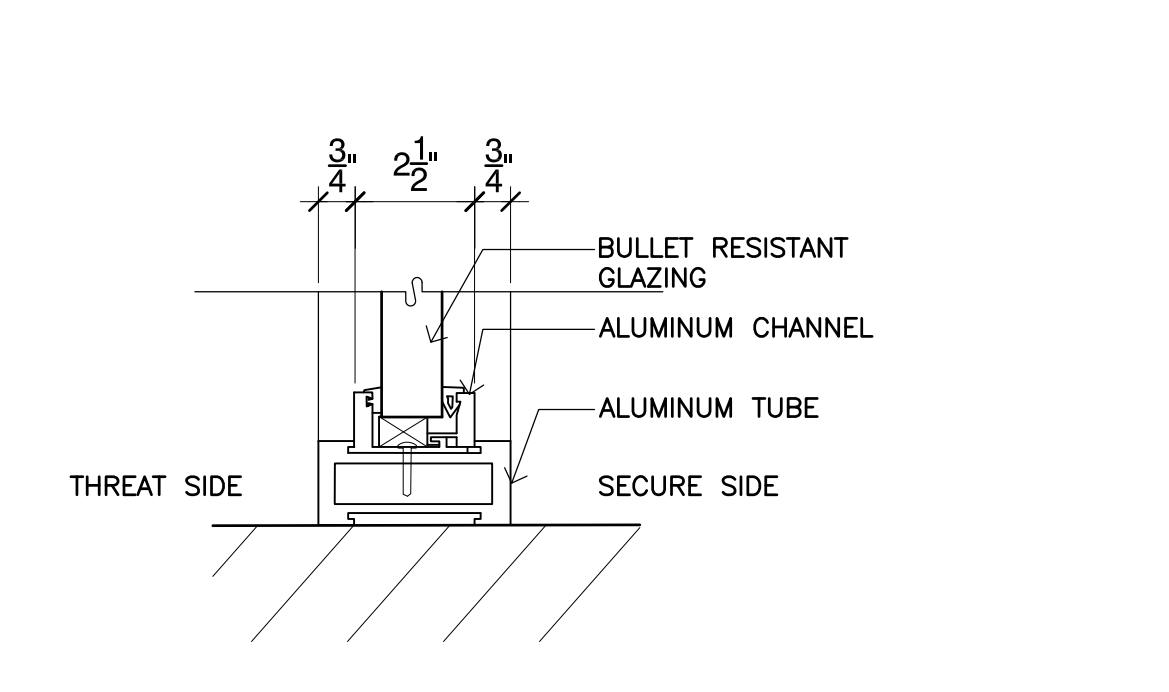
15 Deep Mullion Curtain Wall Jamb
 SCALE: 3" = 1'-0"



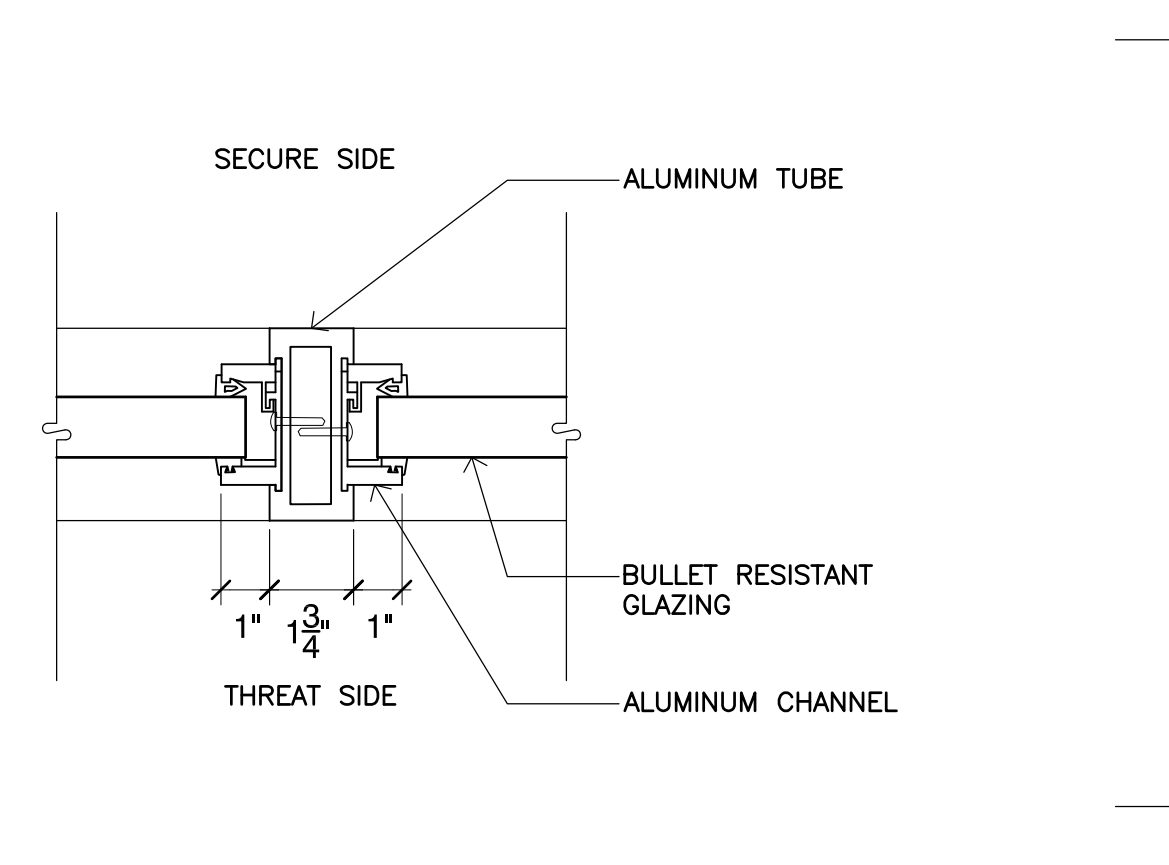
7 Door Sill & Transition Strip
 SCALE: 3" = 1'-0"



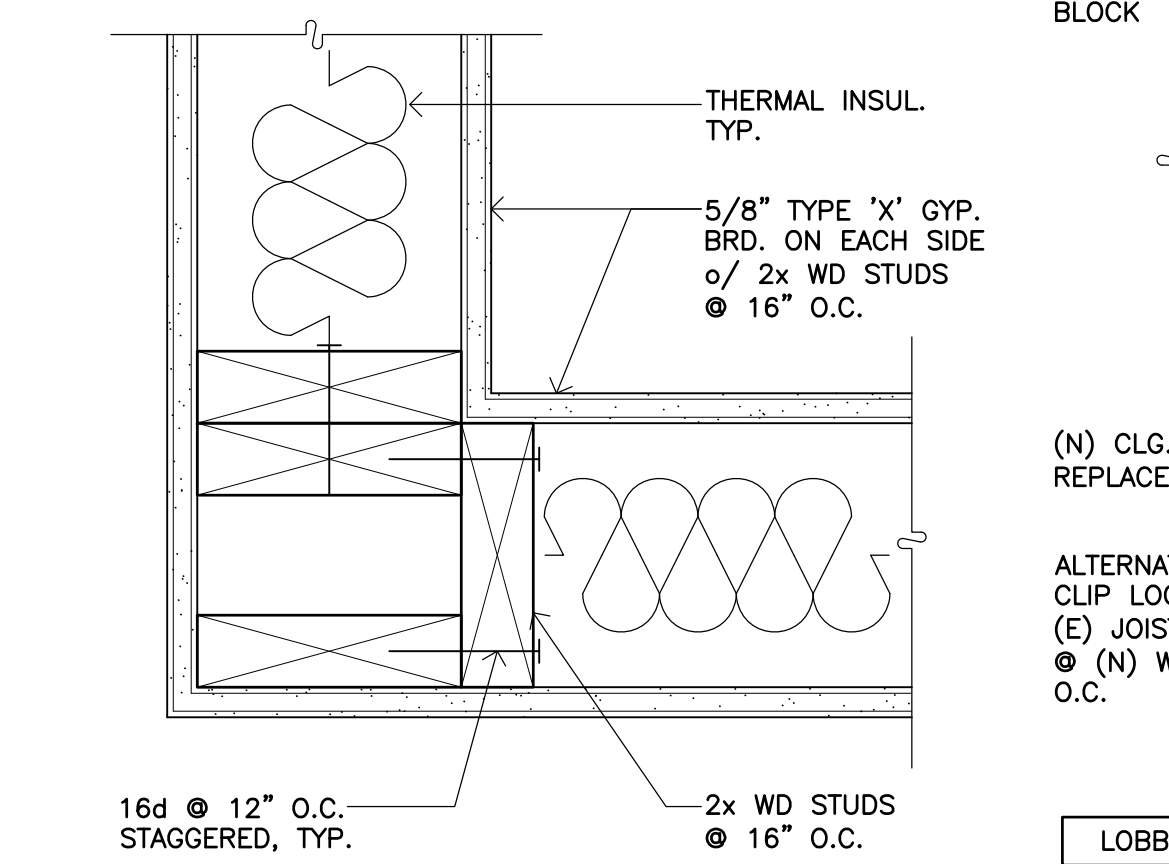
8 Storefront Head (Jamb Sim.)
 SCALE: 3" = 1'-0"



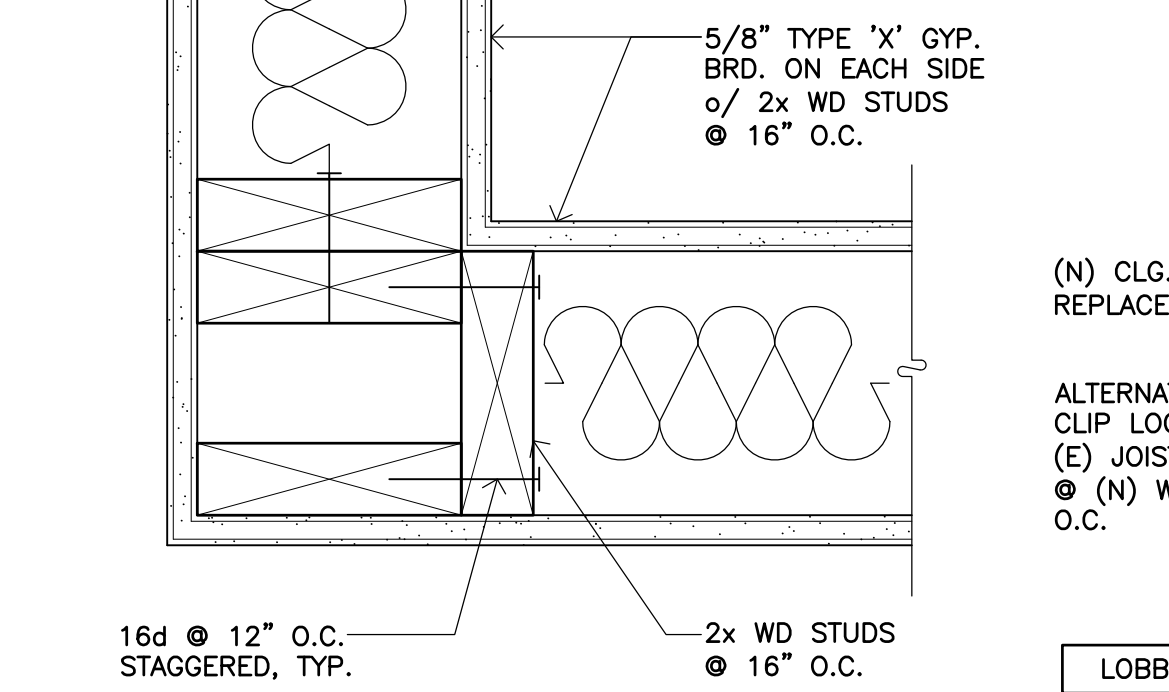
9 Storefront Sill
 SCALE: 3" = 1'-0"



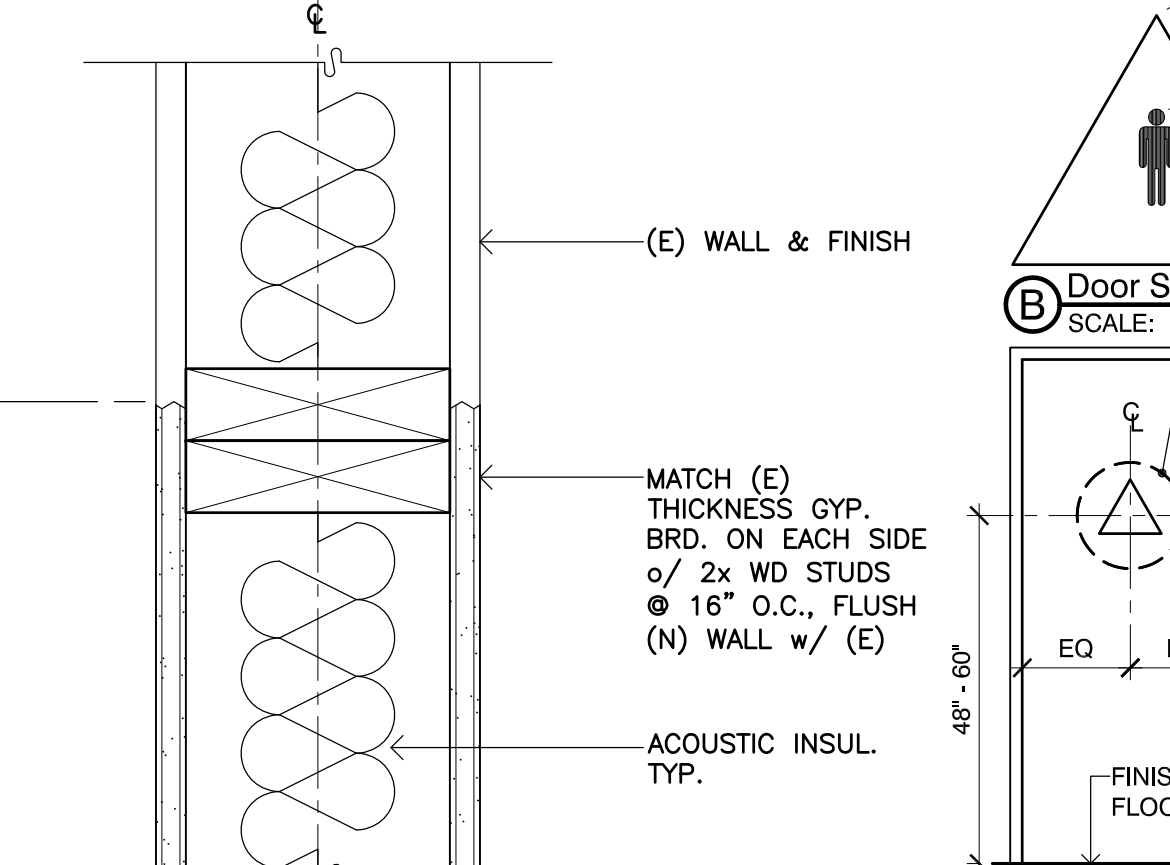
10 Storefront Mullion
 SCALE: 3" = 1'-0"



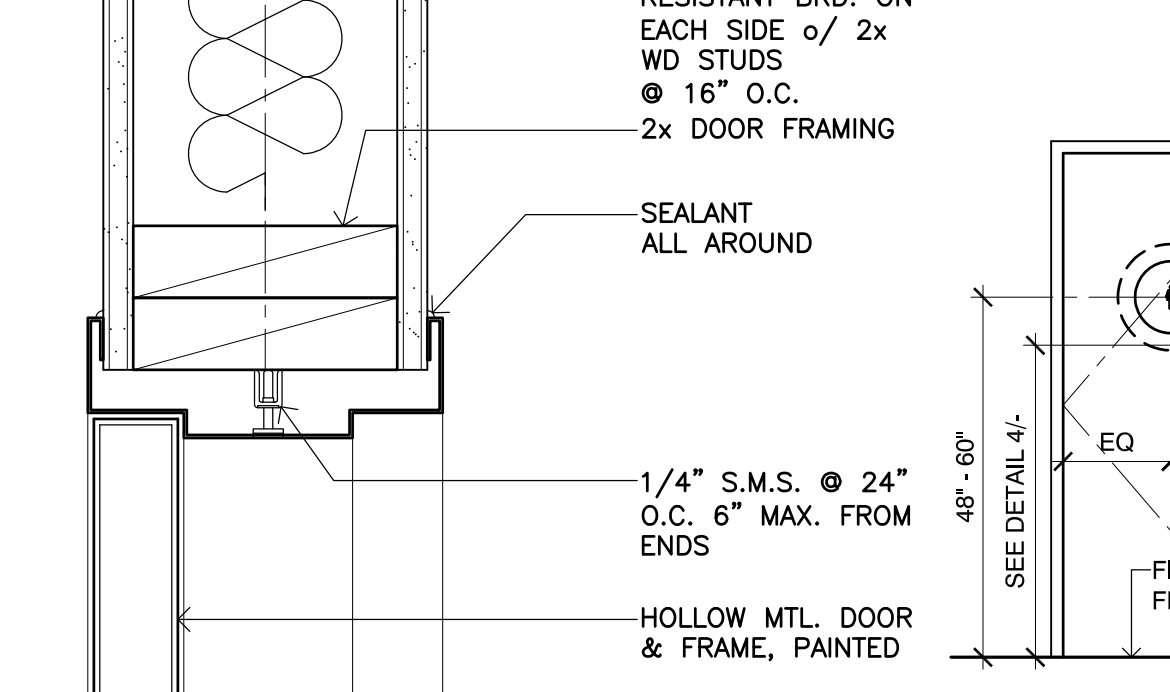
11 Wall Corner Detail
 SCALE: 3" = 1'-0"



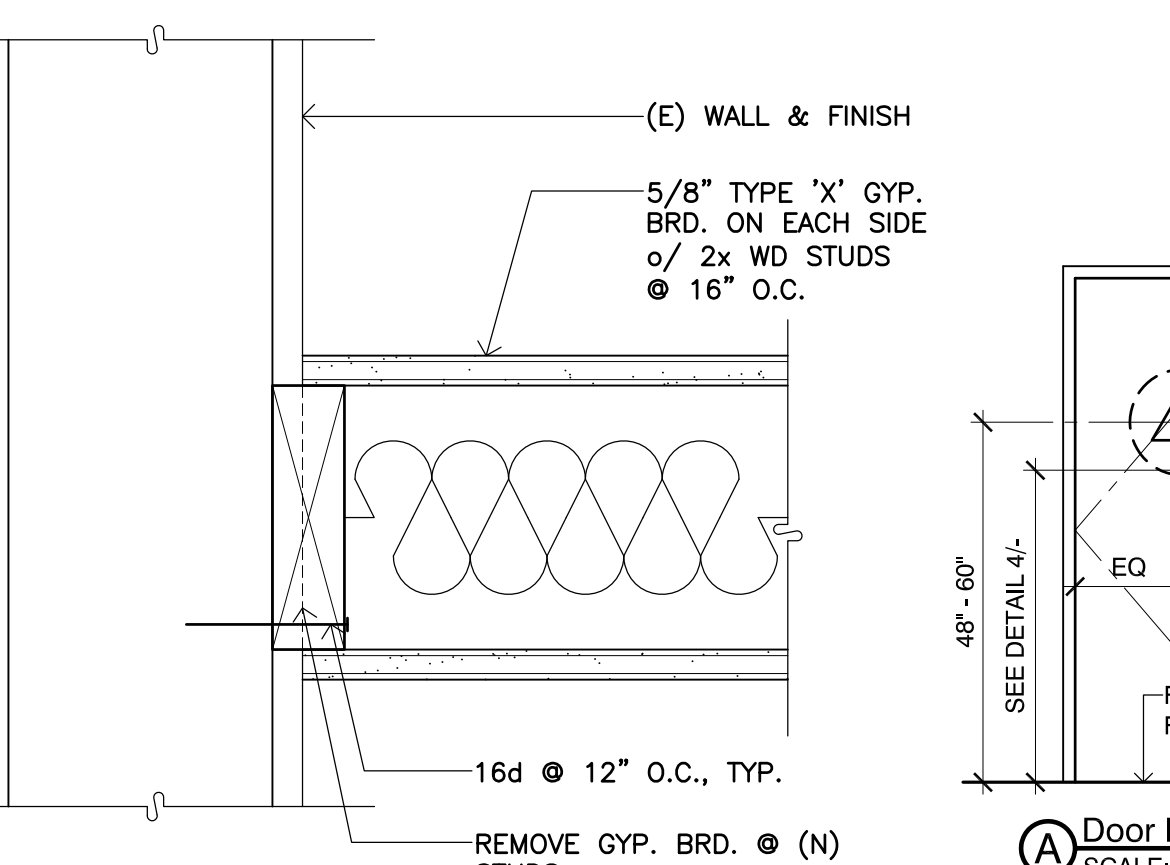
2 Non-bearing Interior Wall to Conc.
 SCALE: 3" = 1'-0"



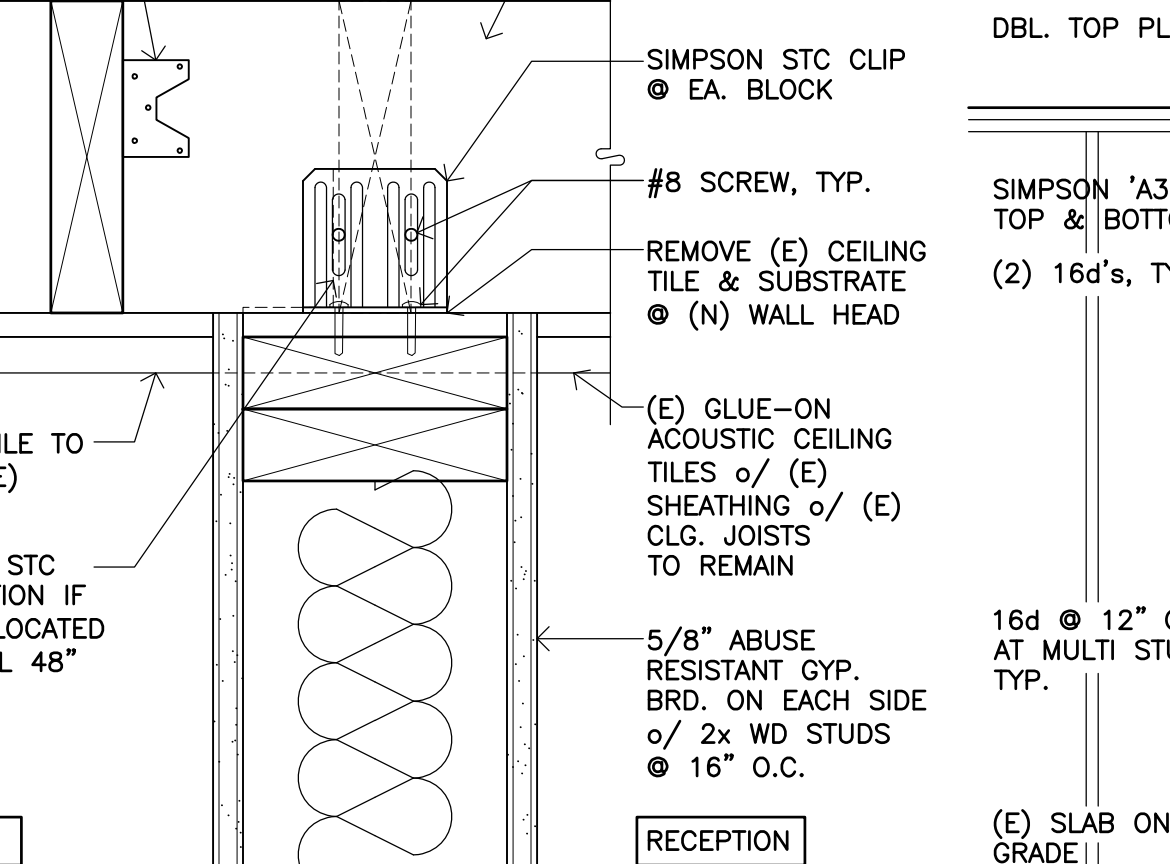
3 Typ. Wall Infill
 SCALE: 3" = 1'-0"



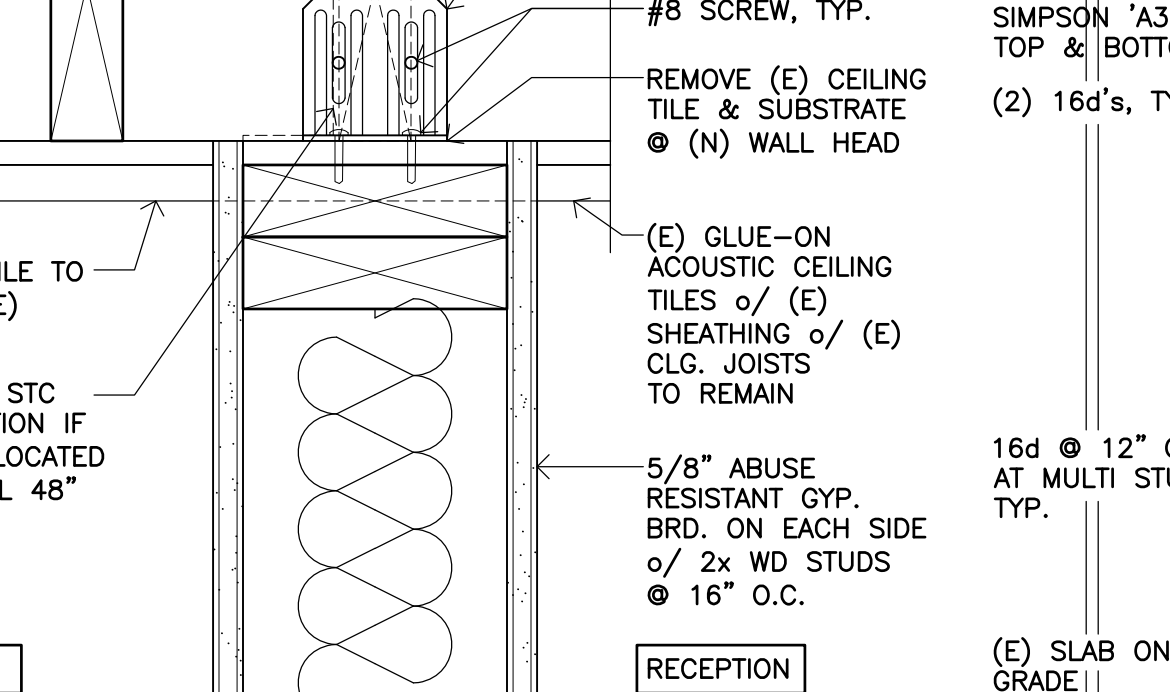
4 Head at Interior Door (Jamb Sim.)
 SCALE: 3" = 1'-0"



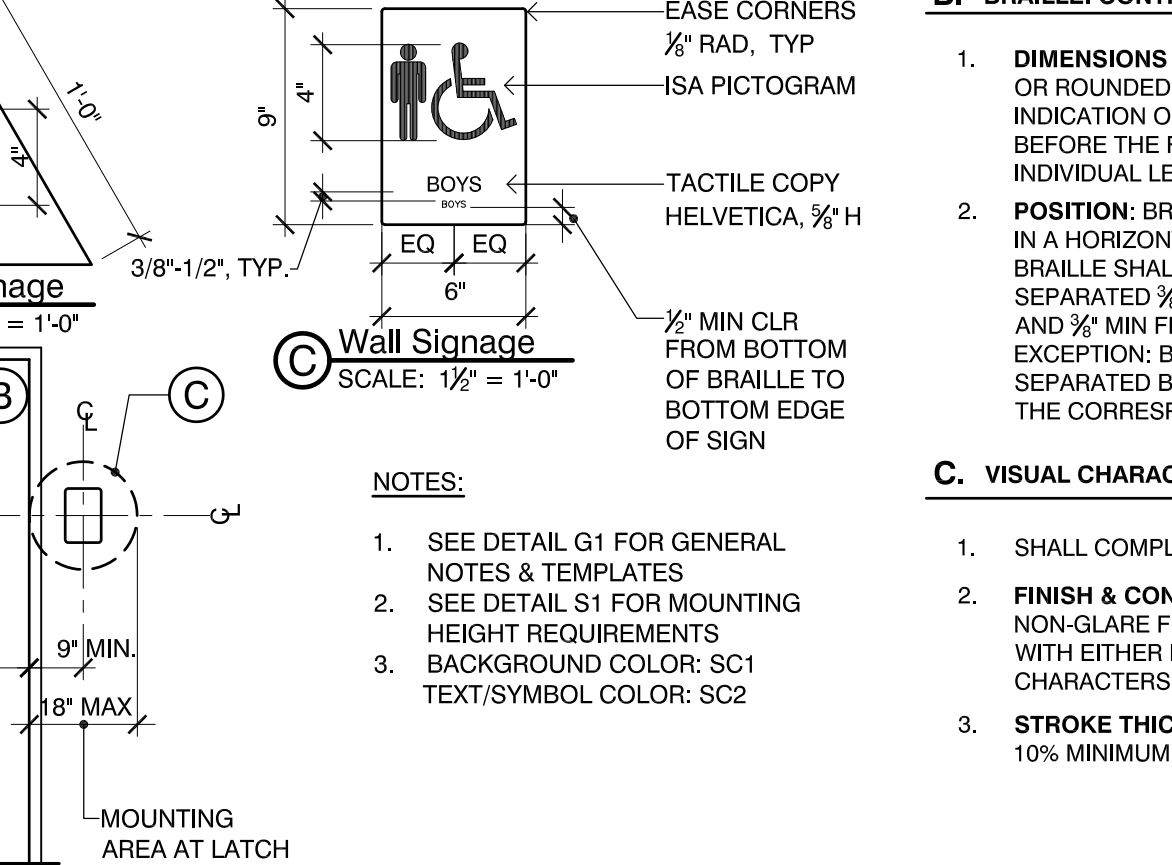
5 Wall Detail
 SCALE: 3" = 1'-0"



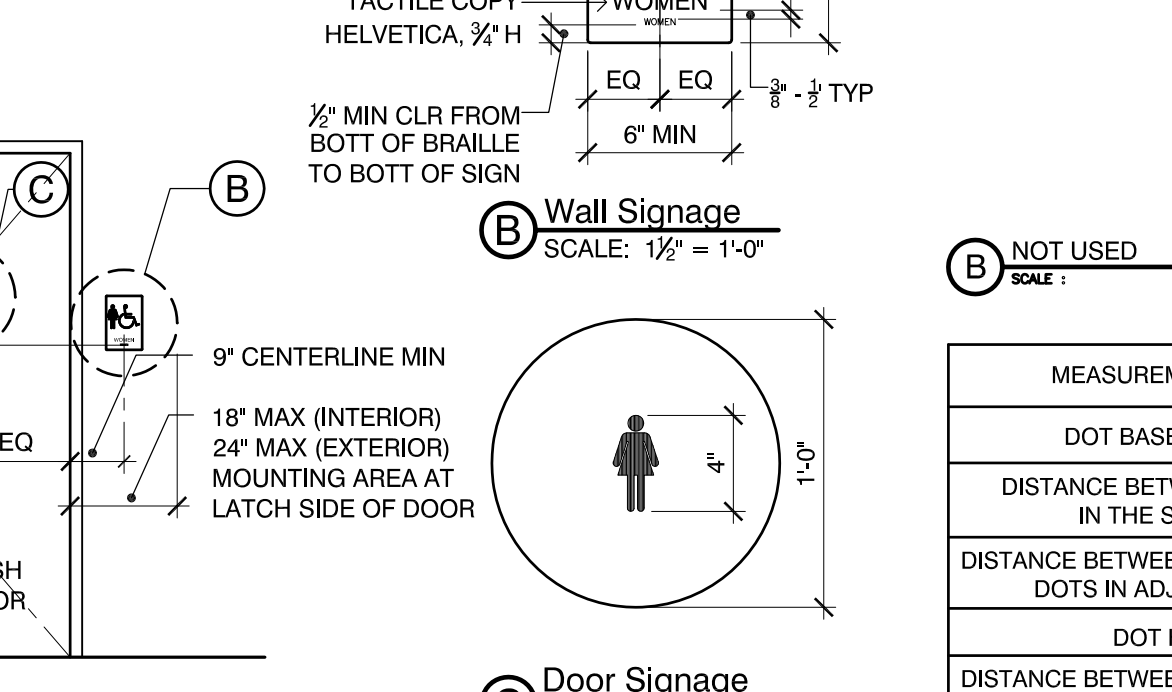
6 Wall Detail
 SCALE: 3" = 1'-0"



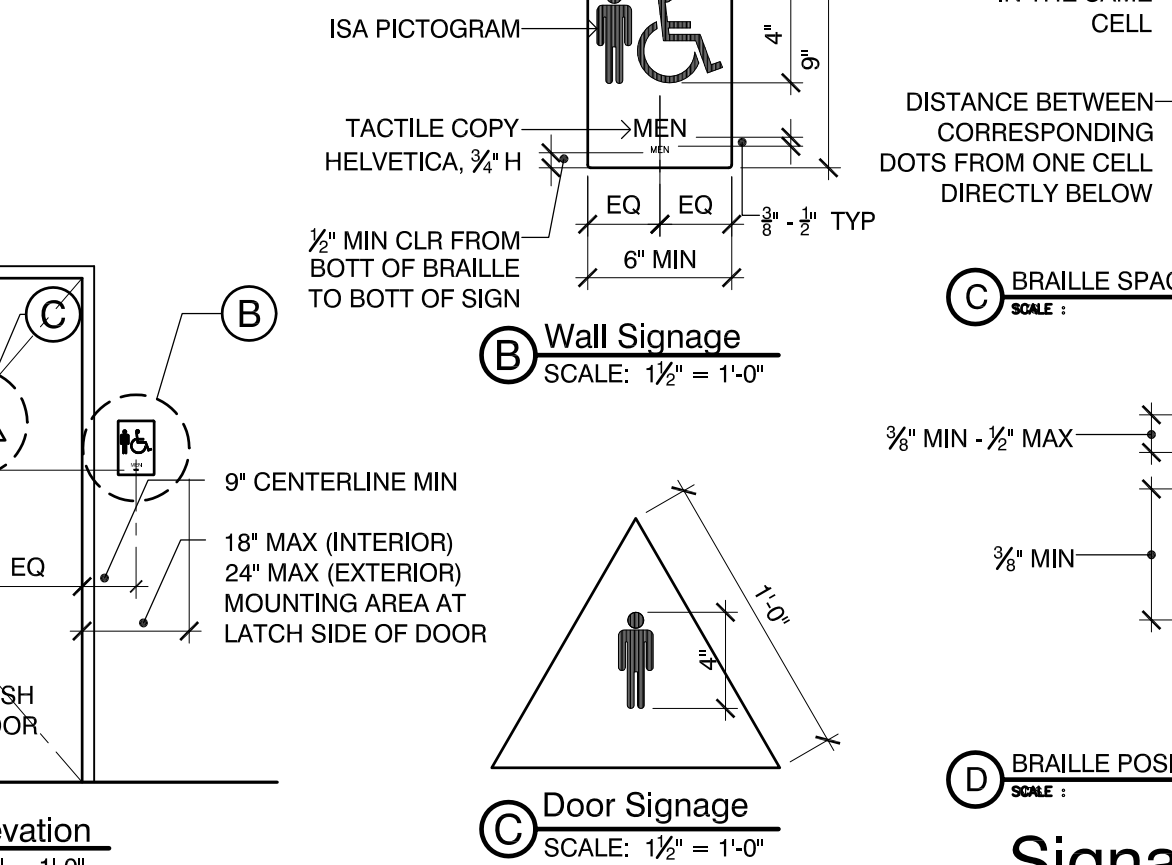
S2 Girls Restroom Signage
 SCALE: AS NOTED



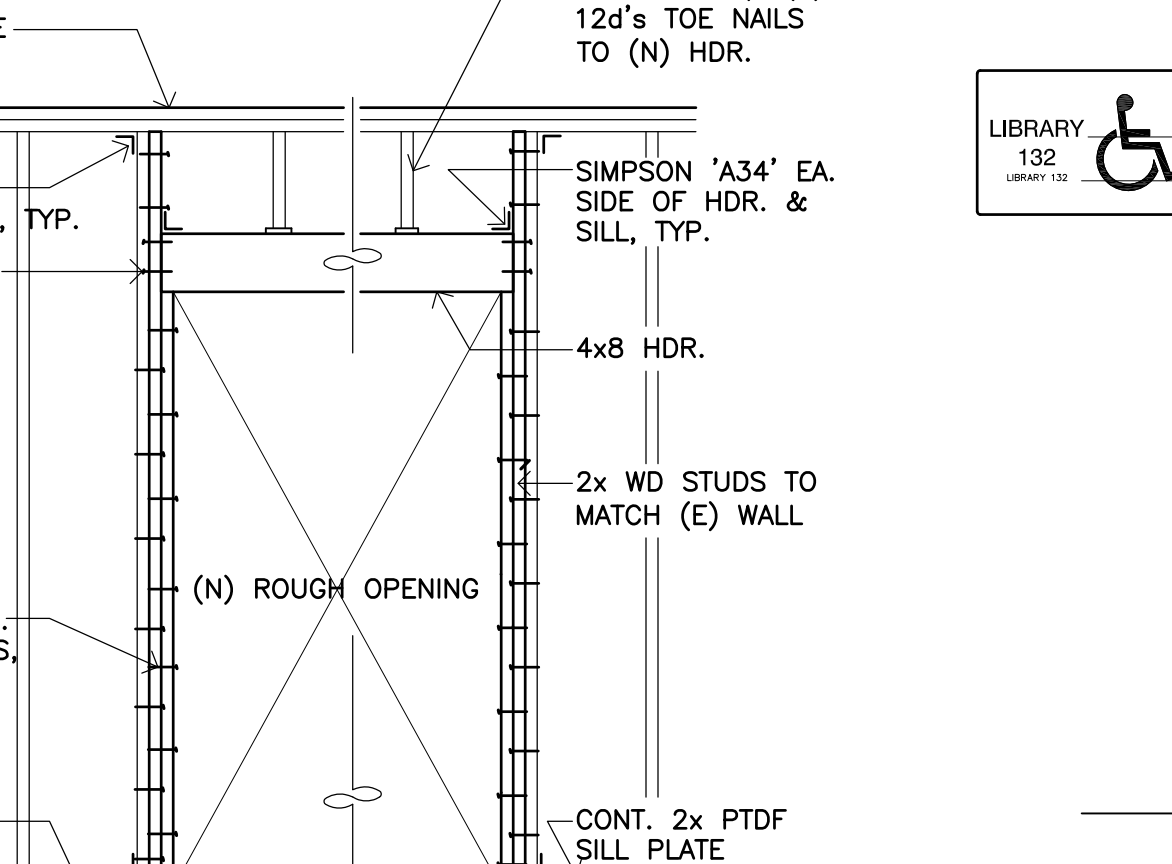
S3 Boys Restroom Signage
 SCALE: AS NOTED



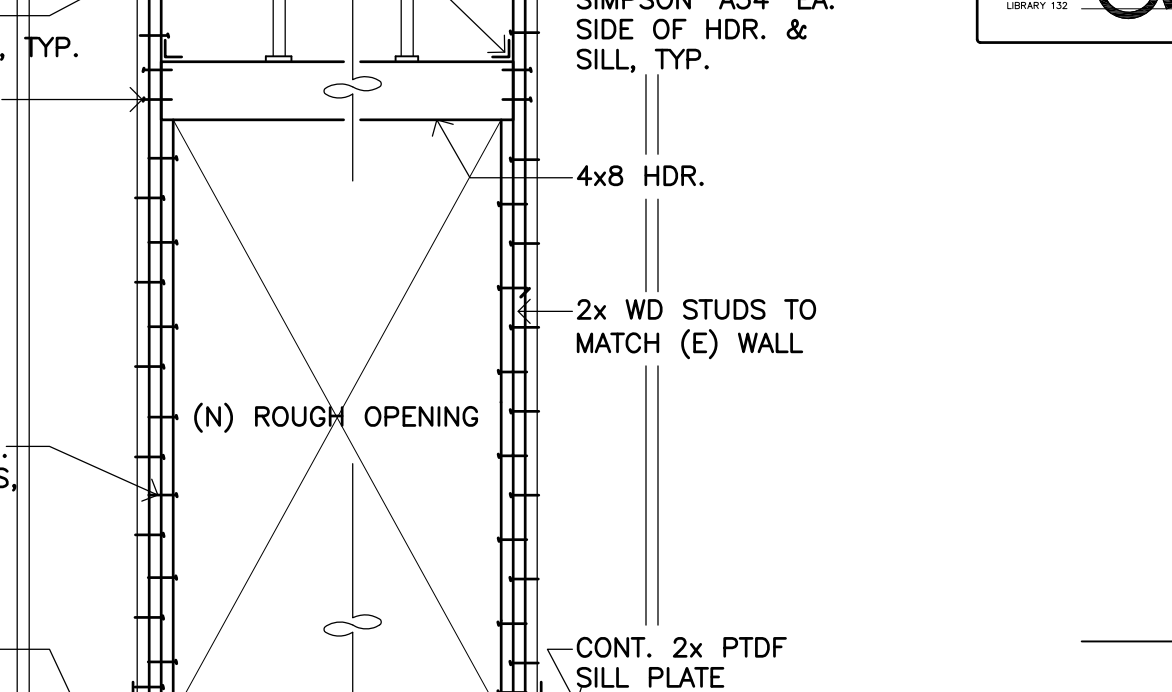
S4 Womens Restroom Signage
 SCALE: AS NOTED



S5 Mens Restroom Signage
 SCALE: AS NOTED



1 (N) Door Framing Detail
 SCALE: N.T.S.



G1 Signage General Notes & Templates
 SCALE: NONE

A. RAISED CHARACTERS PER CBC 11B-703.2

- DEPTH: RAISED CHARACTERS SHALL BE 1/8" MINIMUM ABOVE THEIR BACKGROUND.
- CASE: CHARACTERS SHALL BE UPPERCASE.
- STYLE: CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.
- CHARACTER PROPORTIONS: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER 'O' IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER 'T'.
- CHARACTER HEIGHT: CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 1/2" MINIMUM AND 2" MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER 'T'.
- STROKE THICKNESS: STROKE THICKNESS OF THE UPPERCASE LETTER 'I' SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER.
- CHARACTER SPACING: CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES, WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS. SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/2" MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM WHERE CHARACTERS HAVE OTHER CROSS SECTIONS. SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/2" MIN AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX AT THE BASE OF THE CROSS SECTIONS, AND 1/2" MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 1/2" MIN.
- LINE SPACING: SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% MINIMUM AND 170% MAXIMUM OF THE RAISED CHARACTER HEIGHT.

B. BRAILLE: CONTRACTED (GRADE 2) PER 11B-703.3 & 11B-703.4

- DIMENSIONS AND CAPITALIZATION: BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS.
- POSITION: BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 1/2" MINIMUM AND 1/2" MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 1/2" MIN FROM RAISED BORDERS AND DECORATIVE ELEMENTS. EXCEPTION: BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED BY 1/2" MINIMUM AND SHALL BE LOCATED EITHER DIRECTLY BELOW THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

C. VISUAL CHARACTERS PER CBC 11B-703.5

- SHALL COMPLY WITH CBC 11B-703.2 & 11B-703.3
- FINISH & CONTRAST: CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.
- STROKE THICKNESS: STROKE THICKNESS OF THE UPPERCASE LETTER 'I' SHALL BE 10% MINIMUM AND 20% MAXIMUM OF THE HEIGHT OF THE CHARACTER.

SIGN BACKGROUND (FIELD) COLOR SC1: FILL IN COLOR
 SIGN TEXT/SYMBOL COLOR SC2: FILL IN COLOR

A. SIGNAGE GENERAL NOTES

MEASUREMENT RANGE	MINIMUM IN INCHES	MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 to 0.063	
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL	0.100	
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS	0.300	
DOT HEIGHT	0.025 to 0.037	
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW	0.395 to 0.400	

B. NOT USED

C. BRAILLE SPACING & SHAPE TEMPLATE

100 closet 100

D. BRAILLE POSITION

Signage General Notes & Templates

SCALE: NONE

LIBRARY 132
 EXIT

48" MIN TO BASELINE OF LOWEST LINE OF BRAILLE
 60" MAX TO BASELINE OF HIGHEST LINE OF TACTILE CHARACTERS
 48" MIN TO BASELINE OF LOWEST LINE OF BRAILLE
 60" MAX TO BASELINE OF HIGHEST LINE OF TACTILE CHARACTERS

REVISION DESCRIPTION DATE BY
 DRAWN PP/JL
 CHECKED TJ
 DATE 1/18/2018
 JOB. NO. 18015
 SHEET DETAILS
 TITLE
 SHEET

KBZ
 KRUGER BENSON ZIEMER ARCHITECTS, INC. AIA
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ARCHITECTS
 STAMP & SIGNATURE
 TODD A. JESPERSEN
 No. 25539
 State of California
 JONATHAN D. LEE

BUILDING K BATTERY CALCULATIONS

DEVICE TYPE	QTY	CURRENT STAND-BY	TOTAL CURRENT STAND-BY	CURRENT ALARM	TOTAL CURRENT ALARM
(EXISTING) HORN OUTDOOR	4	-	-	0.038	0.52
(EXISTING) STROBE BCG	12	-	-	0.055	0.66
(NEW ADDED 2) STROBE BCG	2	-	-	0.063	0.126
(NEW ADDED 2) HORN	2	-	-	0.056	0.112
(EXISTING) STROBE DETECTOR	2	0.0003	0.0006	0.001	0.004
(EXISTING) FACP-K	1	0.000	0.000	0.000	0.000
TOTAL	1	0.000	0.000	0.000	1.184

COMPUTATIONS

TOTAL APPS USED IN STAND-BY: 0.000 APPS X 24 HOURS = 0.000 APPS-HOUR
 TOTAL APPS USED IN ALARM: 1.184 APPS X 0.000 (5 MINUTES) = 0.000 APPS-HOUR
 TOTAL STAND-BY BATTERY REQUIREMENTS: 0.000 APPS-HOUR
 TOTAL BACKUP BATTERY PROVIDED: 1.06 APPS-HOUR
 TOTAL BACKUP BATTERY REQUIRED: 1.923 APPS-HOUR
 TOTAL BACKUP BATTERY RESERVED: 0.863 APPS-HOUR

FIRE ALARM SYSTEM LEGEND

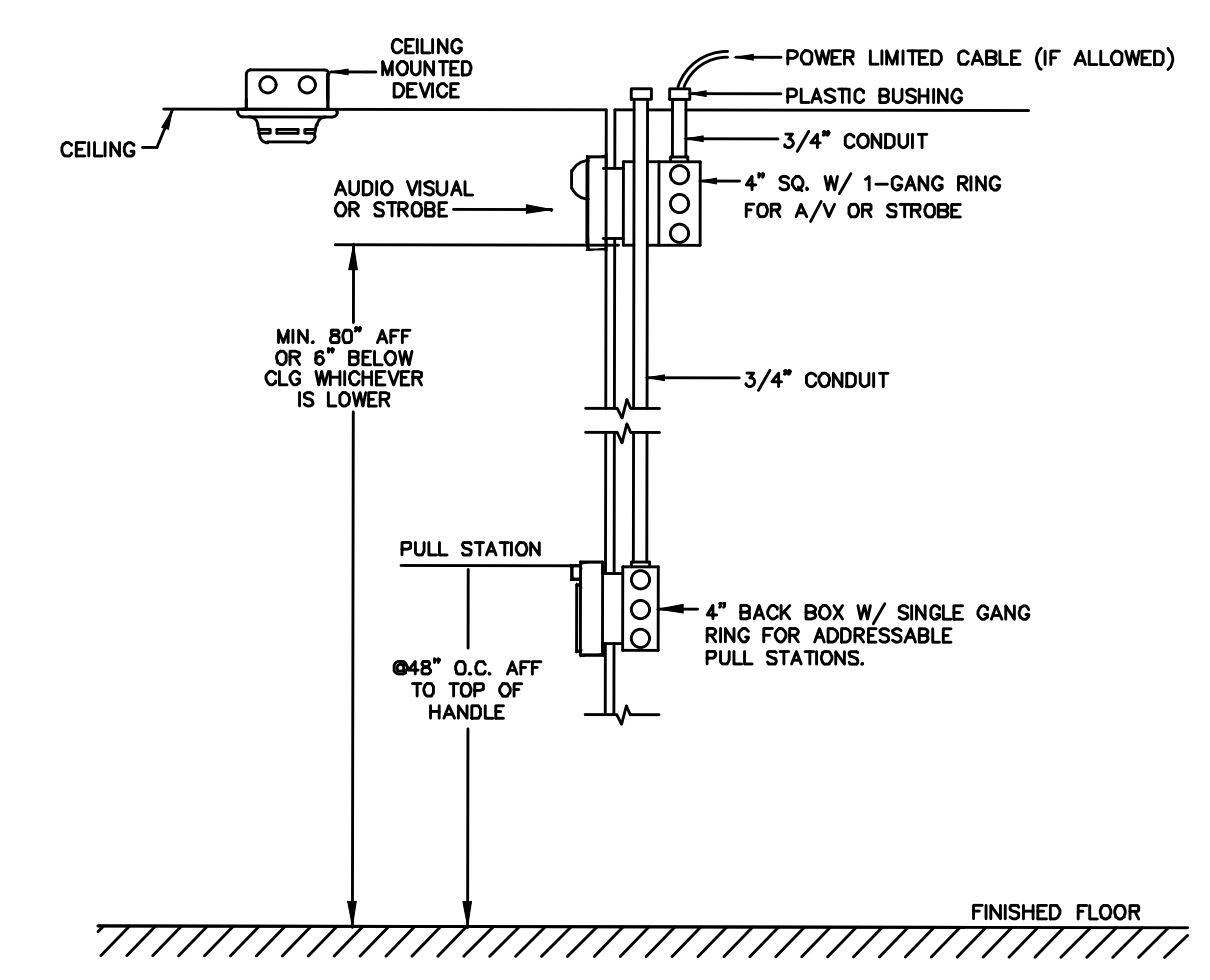
SYMBOL	DESCRIPTION	MODEL #	C.S.F.M. #	BACK BOX REQUIREMENTS
⊠	HORN/STROBE 30CD	GENTEX GEG24-30WR	7135-0569-122	4" SQUARE DEEP BOX

WIRE CHART

SYMBOL	CIRCUIT USE	1/2" C. & WIRE DESCRIPTION
S	INITIATION SIGNALLING LINE CIRCUIT	2#14 THHN IN CONDUIT
A	AUDIBLE NOTIFICATION CIRCUIT	2#12 THHN IN CONDUIT
V	VISUAL NOTIFICATION CIRCUIT	2#12 THHN IN CONDUIT

SEQUENCE OF OPERATION

BUILDING ONLY	RECORD NUMBER	EXPIRE DATE	REVISION DATE	APPROVED
APPROVED AT MEETING GENERAL PANEL (ALARM NOT TESTABLE)	YES	YES	YES	YES
ACTIVE ADDRESS AND TYPICAL SYMBOL	YES	YES	YES	YES



3 COMMON AREA MOUNTING HEIGHT & ROUGH-IN DETAIL
 SCALE: NONE

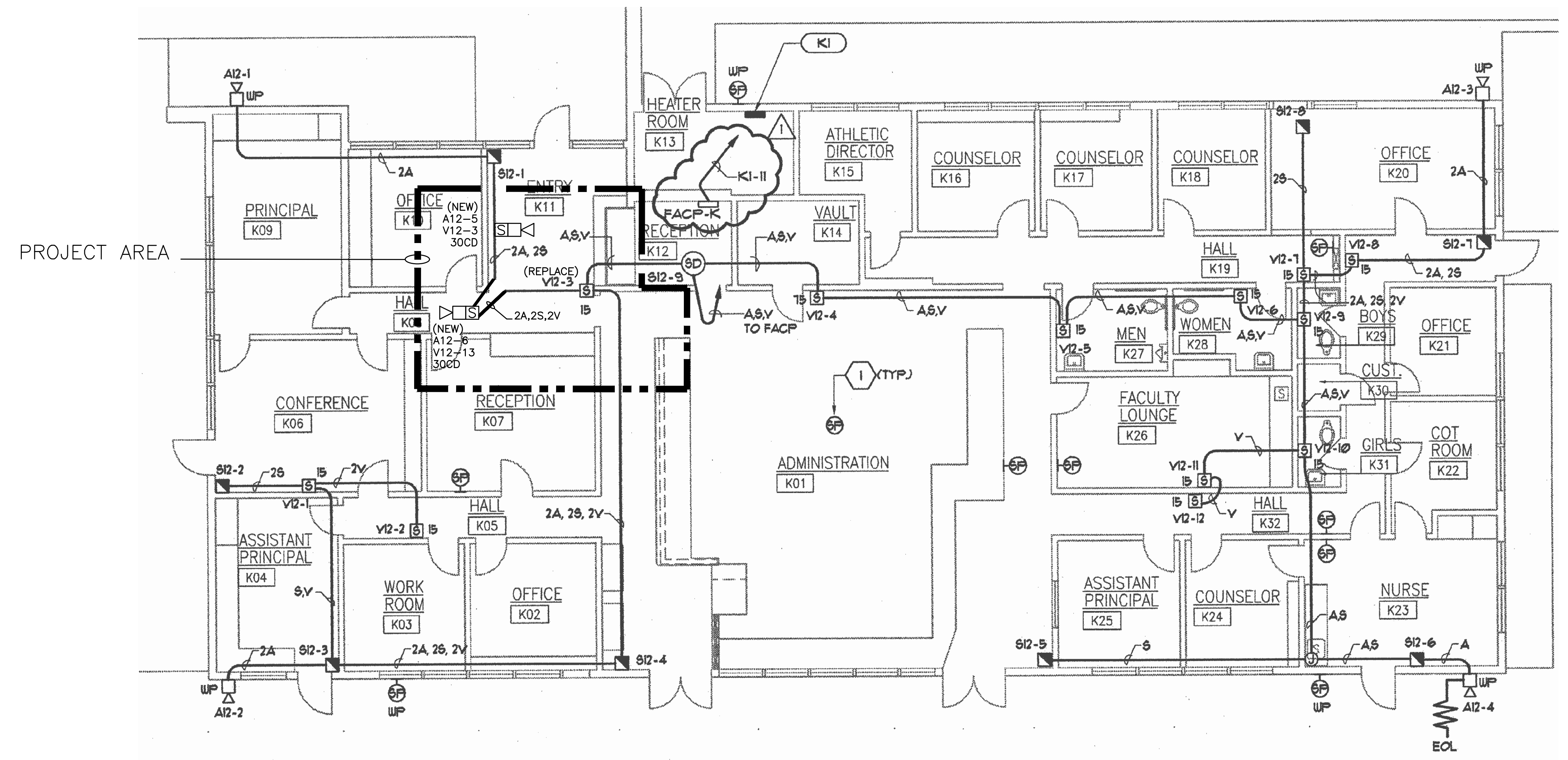
BUILDING Q VOLTAGE DROP CALCULATION

DEVICE TYPE	QUANTITY	CURRENT ALARM	TOTAL CURRENT ALARM
(EXISTING) STROBE BCG	1	0.055	0.66
(NEW ADDED 2) STROBE BCG	2	0.063	0.126
(EXISTING) STROBE 75Cd	1	0.112	0.112
(NEW ADDED 2) HORN	2	0.056	0.112
TOTAL	1	0.055	1.01

COMPUTATIONS

LENGTH OF RUN TO LAST DEVICE: 100 FEET
 USED: #12 THHN COPPER
 CIRCULAR MIL: 6530
 CONSTANT: 216 FOR COPPER
 VOLTAGE DROP FORMULA: $V_{D} = \frac{I \times L \times K}{CM}$
 $V_{D} = \frac{1.01 \times 100 \times 216}{6530} = 0.33$
 $V_{D} \times 2 = 0.66$
 $V_{D} \times 2 = 0.66$
 $V_{D} \times 2 = 0.66$

1 BUILDING Q REVISED CALCULATIONS FROM APPROVED DSA RECORD DRAWINGS APPL #103030
 SCALE: NONE



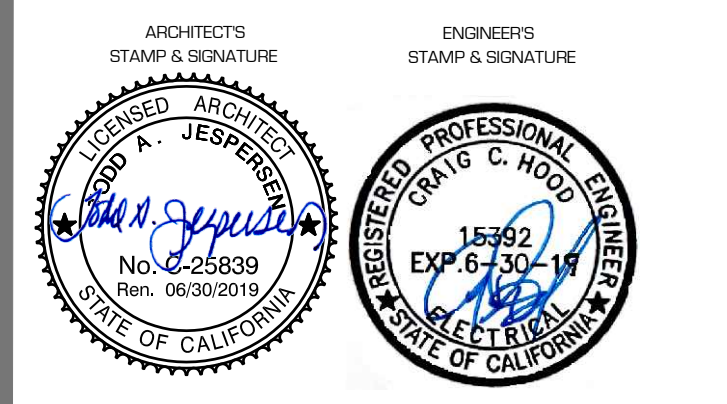
2 BUILDING K RECORD DRAWING REVISED FIRE ALARM PLAN
 SCALE: NONE



KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA
 188 POLKMAN ST. SUITE 100A VENTURA, CA 93001
 TELEPHONE (805) 650-1000

TODD A. JESPERSEN, AIA
 PRINCIPAL ARCHITECT
 JONATHAN D. LEE
 ARCHITECTURAL ASSISTANT

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C. HOOD & ASSOCIATES, INC.
 CONSULTING ELECTRICAL ENGINEERS

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 Ventura, California 93001 Fax (805) 641-0450
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REVISION	DESCRIPTION	DATE	BY
XX			
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DRAWN AM
 CHECKED CH
 DATE 3/8/2019
 JOB NO. 15014
 CHA NO. 19-018
 SHEET FIRE ALARM
 TITLE CALCULATIONS SHEET

SHEET NOTES

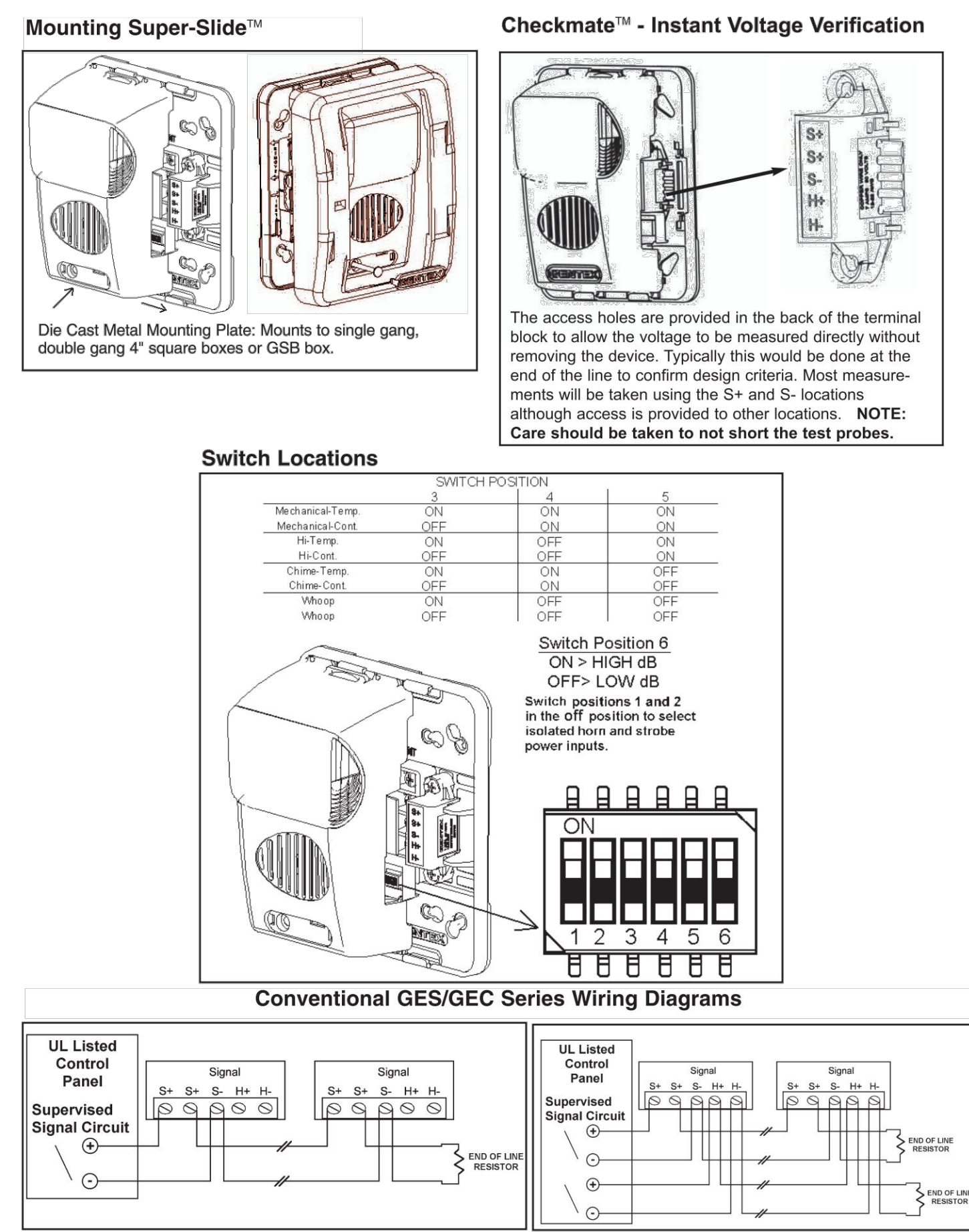
- CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE FULLY AUTOMATIC FIRE ALARM & VOICE EVACUATION SYSTEM.
- FIRE ALARM WIRING SHALL BE POWER LIMITED.
- EXPOSED RACEWAYS SHALL BE WIREMOLD #2300.
- FIELD VERIFY LOCATION OF ALL DEVICES.
- 1" MINIMUM BELOW GRADE, 3/4" CONDUIT MINIMUM UNLESS OTHERWISE NOTED.

KEY NOTES

- 1 INTERCEPT AND EXTEND EXISTING FIRE ALARM CIRCUITS TO ADD NEW FIRE ALARM DEVICES.

OXNARD UNION HIGH SCHOOL CHANNEL ISLANDS HIGH 1400 RAINERS WAY, CA 93001
SITE SECURITY IMPROVEN

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 03-119339 INC. AIA
 REVIEWED FOR
 SS □ FLS □ ACS □
 DATE: 4/2/19



Commander² Series Low Frequency Evacuation Signals

GEC/GES/GEH 24 VDC SERIES

Applications
 The Commander² Series is a low profile strobe, horn or horn/strobe combination that offers dependable audible and audible/visual alarms and the lowest current available.
 The GE Series is available in fixed candela options of 15, 30, 60, 75, 110, 177 and 1575.
 The Commander² Series horn offers a continuous or synchrotemporal three in 2400Hz and mechanical tone, a chime as well as a whoop tone. All tones are easy for the professional to change in the field by using switches.
 The GE Series has a minimal operation current and has a minimum flash rate of 1Hz regardless of input voltage.
 The Commander² Series is shipped with the standard 4" mounting plate which incorporates the popular Super-Slide™ feature that allows the installer to easily test for supervision. The product also features a locking mechanism which secures the product to the bracket without any screws showing.
 The Commander² Series also features the Checkmate™ - Instant Voltage Verification feature which allows the installer to check the voltage without removing the signal.
 The GE Series appliances are UL 464 and UL 1971, listed for use with fire protective systems and are warranted for three years from date of purchase.

Standard Features

- Nominal Voltage 24 VDC (12 VDC available on GEH)
- Fixed Candela Options of 15, 30, 60, 75, 110, 177 and 1575
- Unit Dimensions: 5" high x 4.5" wide x 2.5" deep
- Prewire Entire System, Then Install Your Signals
- Super-Slide™ Bracket - Ease of Supervision Testing
- Checkmate™ - Instant Voltage Verification
- Lower Installation and Operating Costs
- Input Terminals 12 to 18 AWG
- Switch Selection for High or Low dBa
- Switch for Chime, Whoop, Mechanical and 2400Hz Tone
- Switch for Continuous or Temporal 3 (not available on whoop tone)
- Temporproof Re-entrant Grill

Product Listings

- BFP (City of Chicago)
- BS+A/MEA #289-91-E - XV
- CSFM 7135-0569-122 (GEH, GEC)
- 7135-0569-123 (GES)
- 7135-0569-130 (GEH-12)
- UL 464, UL 1971 & UL 1638 Listed
- CANULC S226-M87 Listed
- UL527-53496 Listed (GEC24, GEH24 & GEH12)

Product Compliance

- NFPA 72
- Americans with Disabilities Act (ADA)

Product Features

- Surface Mount with the GSB (Gentex Surface Mount Box)
- Synchrotemporal Strobe and/or Horn by Using the Gentex Synchronization Module (12 VDC product must use the AVSM Module)
- Silence Horn While Strobes Remain Flashing
- Wide Voltage Range 18-33 VDC or FWR
- Faceplate Available in Red or Off-White

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
 OFFICE OF THE STATE FIRE MARSHAL
 FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM
LISTING SERVICE

LISTING No. 7135-0569-0122 Page 1 of 1
 CATEGORY: 7135 -- AUDIBLE DEVICES
 LISTE: Gentex Corporation 10985 Chicago Drive, Zwilland, MI 49464
 Contact: Keiffer Sestric (616) 392-7195 Fax (616) 392-4219
 Email: keiffer.sestric@gentex.com

DESIGN: Model GEH24 horn and Models HS24-15, HS24-15/75, HS24-30, HS24-60, HS24-75, HS24-110, GEC24-15, GEC24-15/75, GEC24-30, GEC24-60, GEC24-75, GEC24-110, GEC24-177, GCC24-C, GEC24-24 and WGEC24 horn/strobes. May be followed by -W (wall) and -R (rod) or -P (plain) or -L (low profile). Models GCC24-C horn/strobes are ceiling mounted following -R (rod), -W (wall) or -P (plain). Refer to lister's data sheet for additional product description and operational considerations.

RATING: Electrical: 24 VDC
 Candela: 15cd, 15/75cd, 30cd, 60cd, 75cd, 110cd, 177cd
 GCC24-C Ceiling: 15cd, 30cd, 75cd, 95cd, 115cd, 150cd* (selectable)
 GEC24-Wall: 15cd, 30cd, 60cd, 75cd, 110cd (selectable)

INSTALLATION: In accordance with lister's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Lister's name, model number, electrical ratings and UL label.

APPROVAL: Listed as horn and horn/strobes for use with separately listed compatible fire alarm control units. For indoor use only. Models WGEC24 and GEH24 are intended for outdoor use when used with Model GOC or *GOLP outdoor enclosure (CSFM Listing No. 7300-0695-124). Model WGEC24 is intended for private mode signaling use only and not approved for hearing impaired application.

The audible in Models GEH24, GEC24, GEC24-24, and WGEC24 may produce distinctive tones including: mechanical, 2400Hz and chime tones in continuous and temporal 3 settings as well as a whoop tone in either a high or low dBa setting.

The audible in Model HS24 may produce a horn piezo frequency of 3100Hz. Model GCC24 may produce distinctive tones including mechanical and 2400Hz. Both models are capable of continuous and temporal 3 settings.

*Rev. 02-02-16 g1

This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to lister's data sheet, installation instructions and/or other

Date Issued: **July 01, 2018** Listing Expires **June 30, 2019**
 Authorized By: **DAVID CASTILLO, Program Coordinator**
 Fire Engineering Division

GEH 12 and 24 VDC Low Profile Evacuation Horn

Model Number	Part Number	Nominal Voltage	Reverberant dBA @ 10ft. Per UL464	In Anechoic Room dBA @ 10ft.
GEH12-R	904-1239-002	12 VDC	70-82	100
GEH12-W	904-1241-002	12 VDC	70-82	100
GEH24-R	904-1205-002	24 VDC	70-82	100
GEH24-W	904-1207-002	24 VDC	70-82	100

GEC 24 VDC Low Profile Evacuation Horn/Strobe

Model Number	Part Number	Nominal Voltage	Strobe Candela	Reverberant dBA @ 10ft. Per UL464	Anechoic Room dBA @ 10ft.
GEC24-15WR	904-1125-002	24 VDC	15	70-82	100
GEC24-15WW	904-1145-002	24 VDC	15	70-82	100
GEC24-30WR	904-1129-002	24 VDC	30	70-82	100
GEC24-30WW	904-1149-002	24 VDC	30	70-82	100
GEC24-60WR	904-1133-002	24 VDC	60	70-82	100
GEC24-60WW	904-1153-002	24 VDC	60	70-82	100
GEC24-75WR	904-1135-002	24 VDC	75	70-82	100
GEC24-75WW	904-1155-002	24 VDC	75	70-82	100
GEC24-110WR	904-1139-002	24 VDC	110	70-82	100
GEC24-110WW	904-1159-002	24 VDC	110	70-82	100
GEC24-177WR	904-1143-002	24 VDC	177	70-82	100
GEC24-177WW	904-1163-002	24 VDC	177	70-82	100
GEC24-1575WR	904-1127-002	24 VDC	15 (UL1971) 75 (UL1638)	70-82	100
GEC24-1575WW	904-1147-002	24 VDC	15 (UL1971) 75 (UL1638)	70-82	100

GE24 VDC Low Profile Evacuation Strobe

Model Number	Part Number	Nominal Voltage	Strobe Candela
GES24-15WR	904-1185-002	24 VDC	15
GES24-15WW	904-1185-002	24 VDC	15
GES24-30WR	904-1189-002	24 VDC	30
GES24-30WW	904-1189-002	24 VDC	30
GES24-60WR	904-1173-002	24 VDC	60
GES24-60WW	904-1193-002	24 VDC	60
GES24-75WR	904-1175-002	24 VDC	75
GES24-75WW	904-1195-002	24 VDC	75
GES24-110WR	904-1179-002	24 VDC	110
GES24-110WW	904-1199-002	24 VDC	110
GES24-177WR	904-1183-002	24 VDC	177
GES24-177WW	904-1203-002	24 VDC	177
GES24-1575WR	904-1167-002	24 VDC	15 (UL1971) 75 (UL1638)
GES24-1575WW	904-1187-002	24 VDC	15 (UL1971) 75 (UL1638)

GE-24 Product Strobe Current Ratings

Candela	15cd	30cd	60cd	75cd	110cd	177cd	1575cd
24 VDC Max	63mA	63mA	117mA	117mA	138mA	138mA	177mA
UL Max	78mA	78mA	95mA	95mA	137mA	137mA	224mA
					180mA	224mA	288mA

GE-24 Product Horn Current Ratings

Horn Mode	Minimum dBA @ 10ft. (High)	Minimum dBA @ 10ft. (Low)	Registered 24VDC Max. Operating @ High Setting (mA)
Temp 3 Strobe	76	71	25
Temp 3 Mechanical	76	70	25
Temp 3 Chime	70	68	15
Continuous Whoop	81	74	28
Continuous Mechanical	80	72	25
Continuous Chime	70	68	15
Whoop	82	69	20

GEH-12 Product Horn Current Ratings

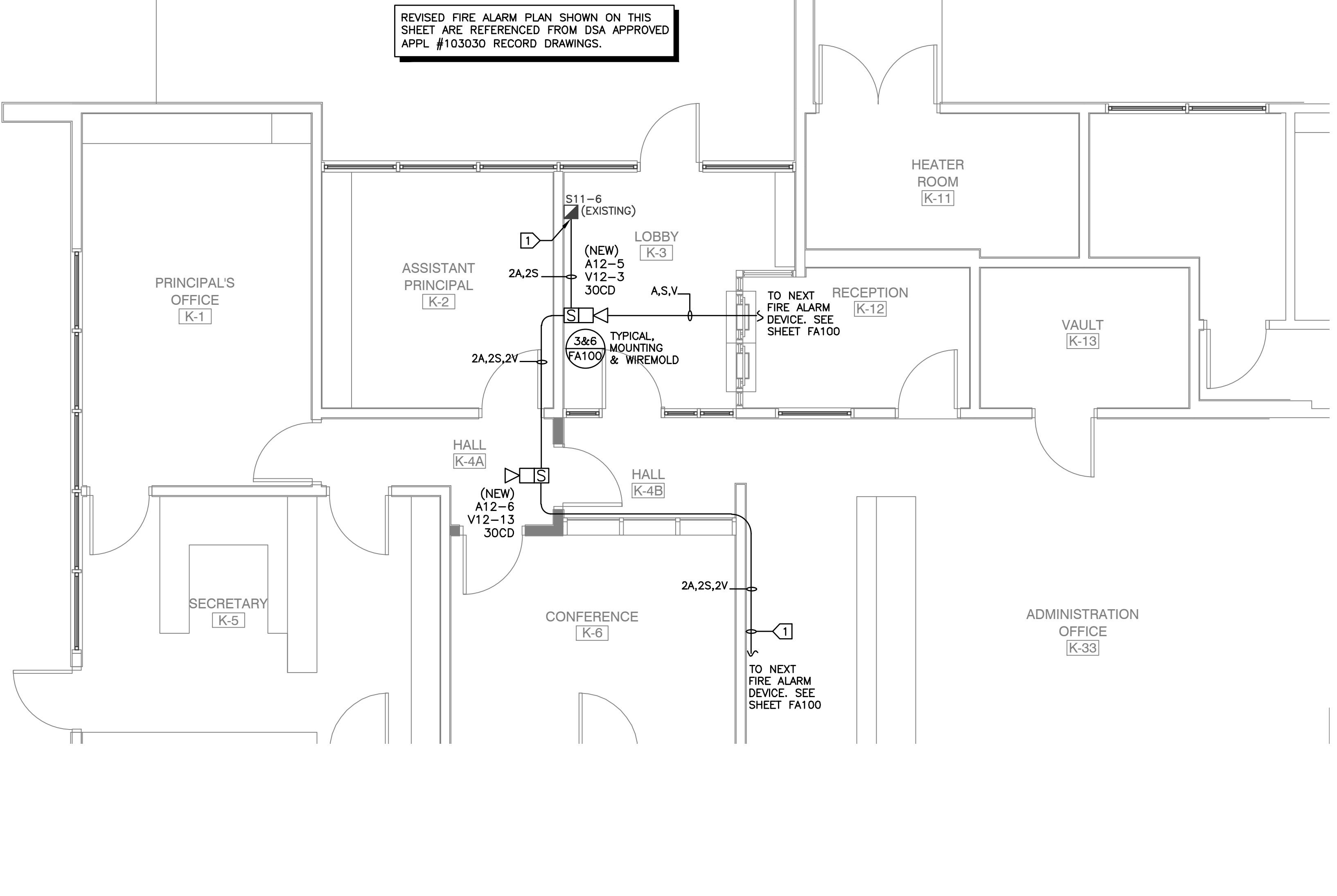
Horn Mode	Minimum dBA @ 10ft. (High)	Minimum dBA @ 10ft. (Low)	Registered 24VDC Max. Operating @ High Setting (mA)
Temp 3 Strobe	76	69	25
Temp 3 Mechanical	75	68	25
Temp 3 Chime	62	60	13
Continuous Whoop	79	74	28
Continuous Mechanical	78	72	25
Continuous Chime	65	61	13
Whoop	78	71	25

Notes:

- The GE Series is not listed for outdoor use.
- Operating temperature: 32° to 120°F (0° to 49° C)
- For nominal and peak current across UL regulated voltage range for filtered DC power and unfiltered (FWR [Full Wave Rectified]) power, see installation manual.
- Gentex does not recommend using a coded or pulsing signaling circuit with any of our strobe products (see technical bulletin number 014).
- To obtain the horn/strobe current draw, add the strobe current draw and the horn current draw.

Model designations:

- "W" = Wall Mount
- "R" = Red Faceplate
- "W" = Off-White Faceplate
- "P" = Plain (no lettering) - available on all models. Plain units are non-returnable.
- *Agent* bezel also available.



2 FIRE ALARM STROBE DATA SHEETS
 SCALE: NONE

1 FIRE ALARM PLAN
 SCALE: 1/4" = 1'-0"

REVISION	DESCRIPTION	DATE	BY
△	-	-/-	XX
△	-	-/-	XX
△	-	-/-	XX
△	-	-/-	XX
△	-	-/-	XX
△	-	-/-	XX

DRAWN: AM
 CHECKED: CH
 DATE: 3/8/2019
 JOB NO: 18014
 CHA NO: 191818
 SHEET: FIRE ALARM DEMO PLAN
 TITLE: FIRE ALARM PLAN

SH-ET
FA-200