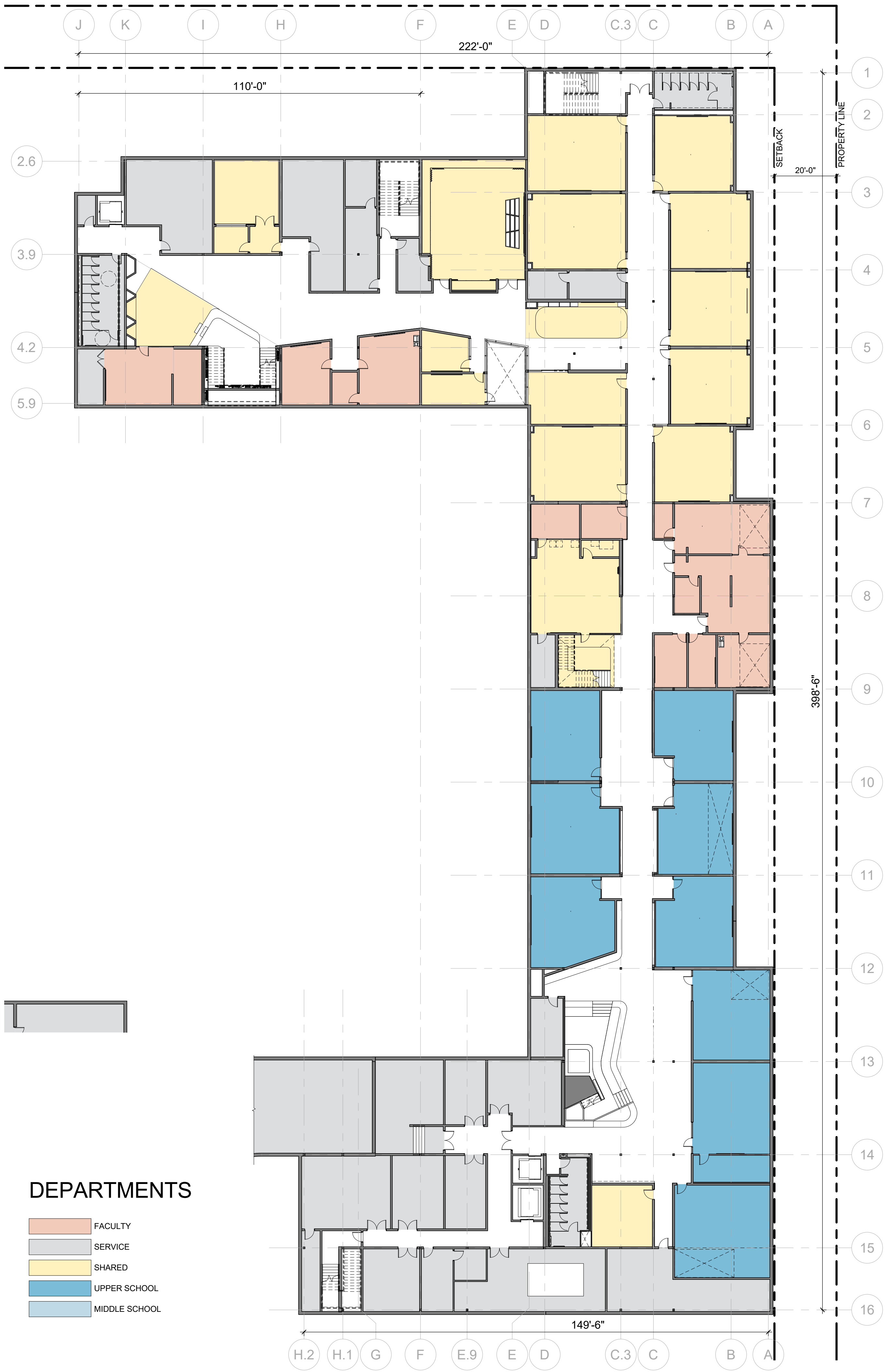
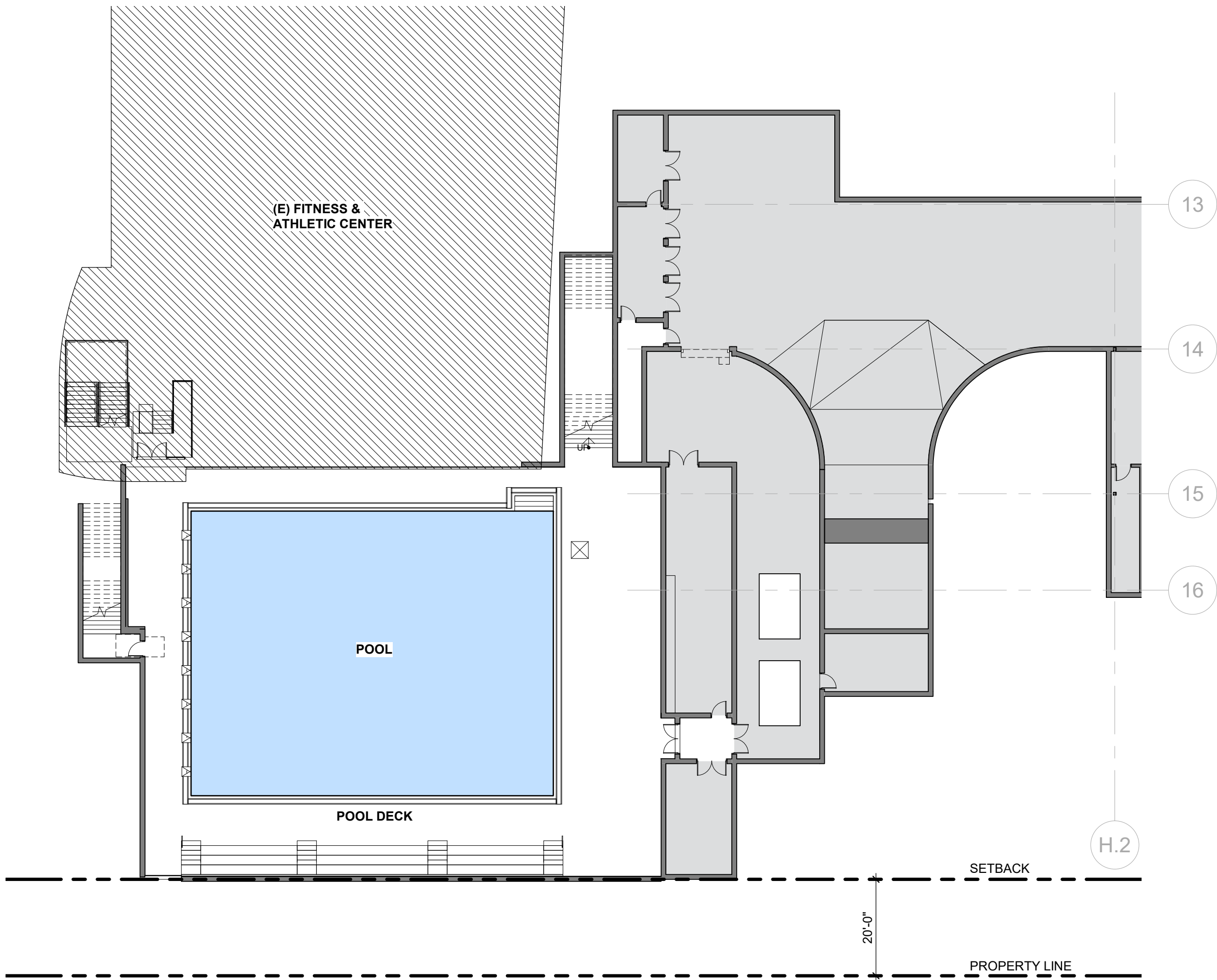


6/27/2019 3:32:32 PM



ISSUES	DATE
PLANNING SUBMISSION	04/04/2019
PLANNING RESUBMISSION #1	07/01/2019

REVISION LIST	DATE
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CASTILLEJA
SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 07/01/2019

SCALE: 1" = 20'-0"

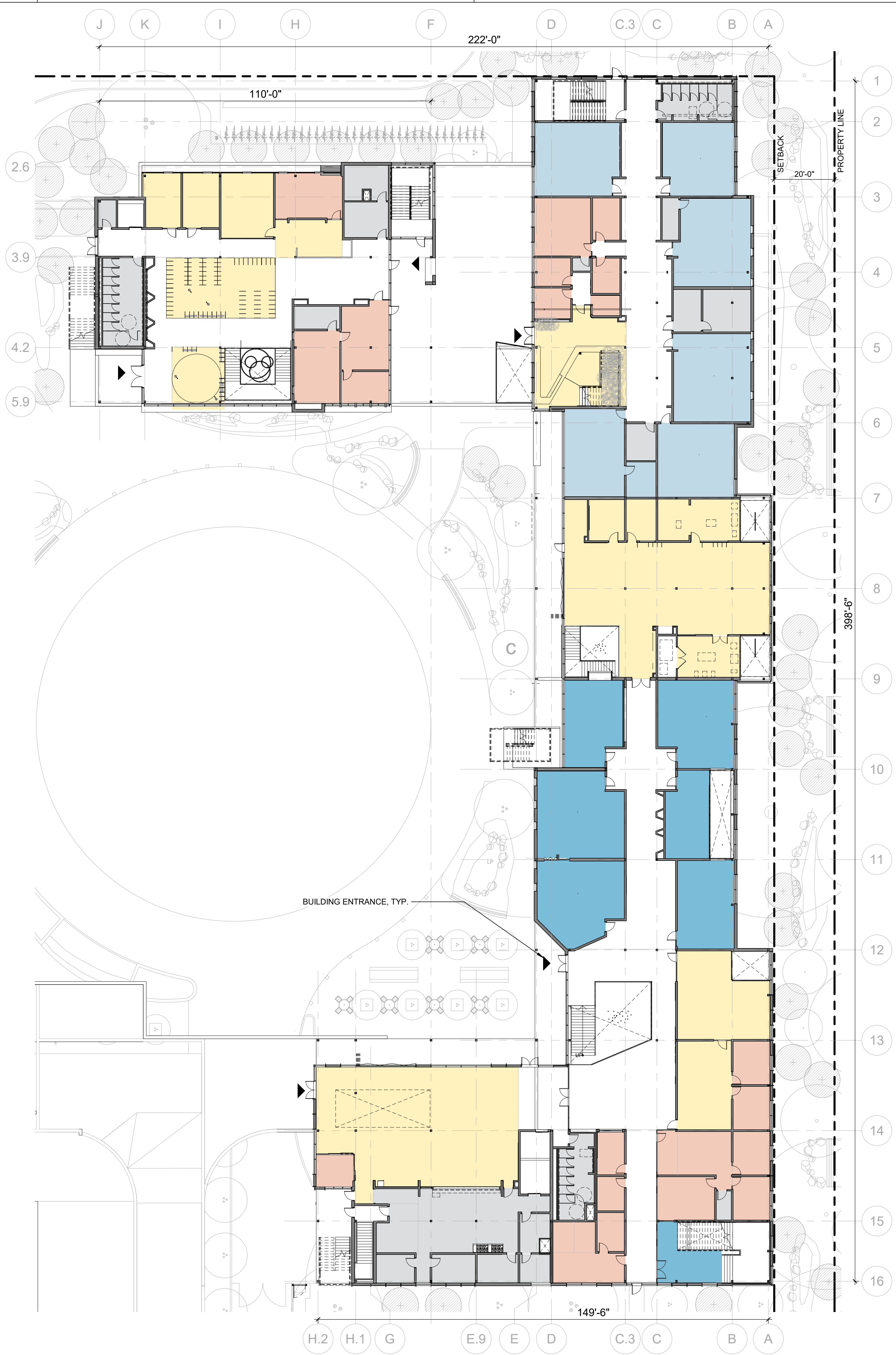
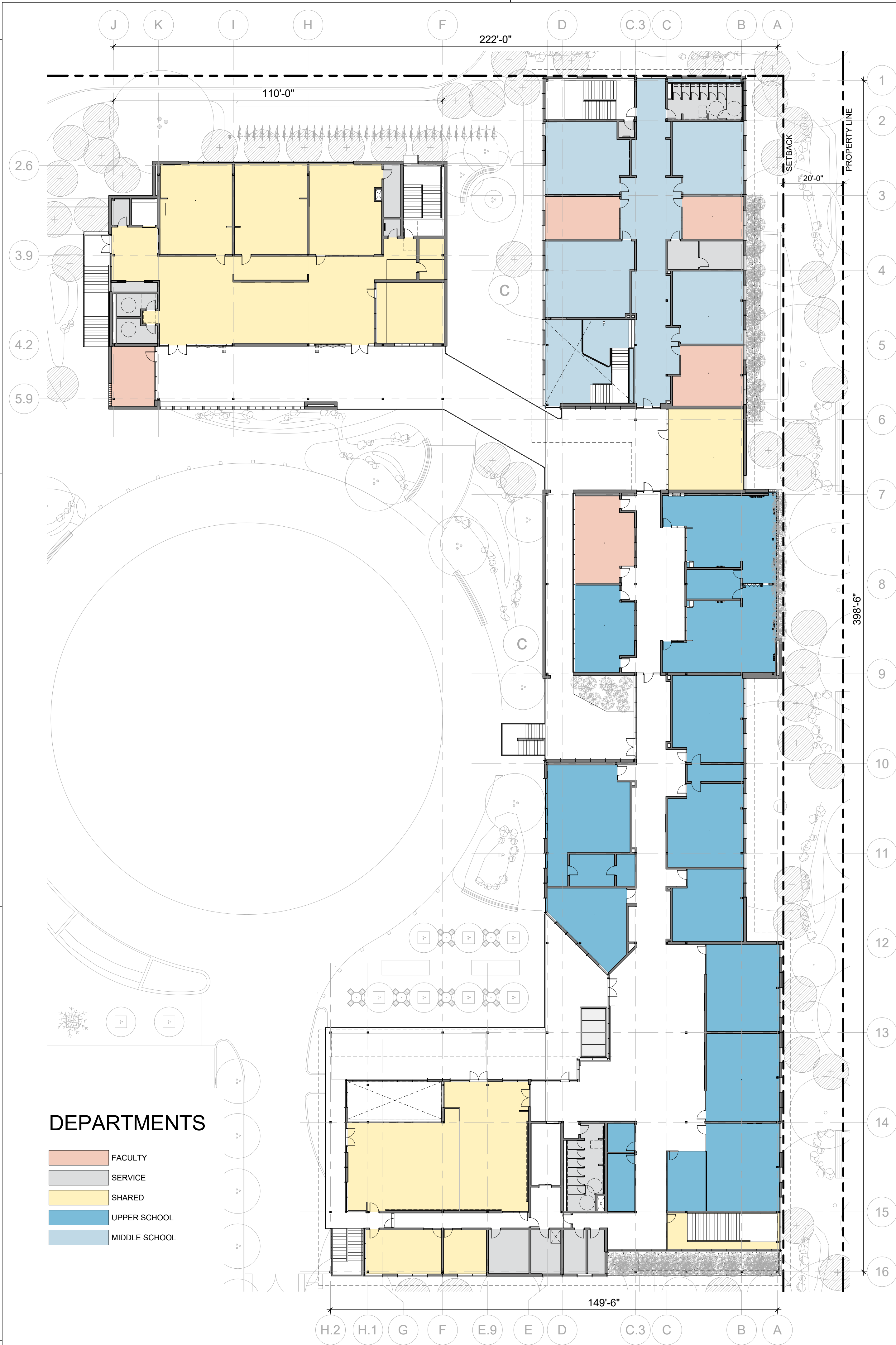
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PHASES 3 & 4 - LEVEL B
FLOOR PLAN

SHEET NO:

AB.100

6/28/2019 12:52:39 PM



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CASTILLEJA SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 07/01/2019

SCALE: 1" = 20'-0"

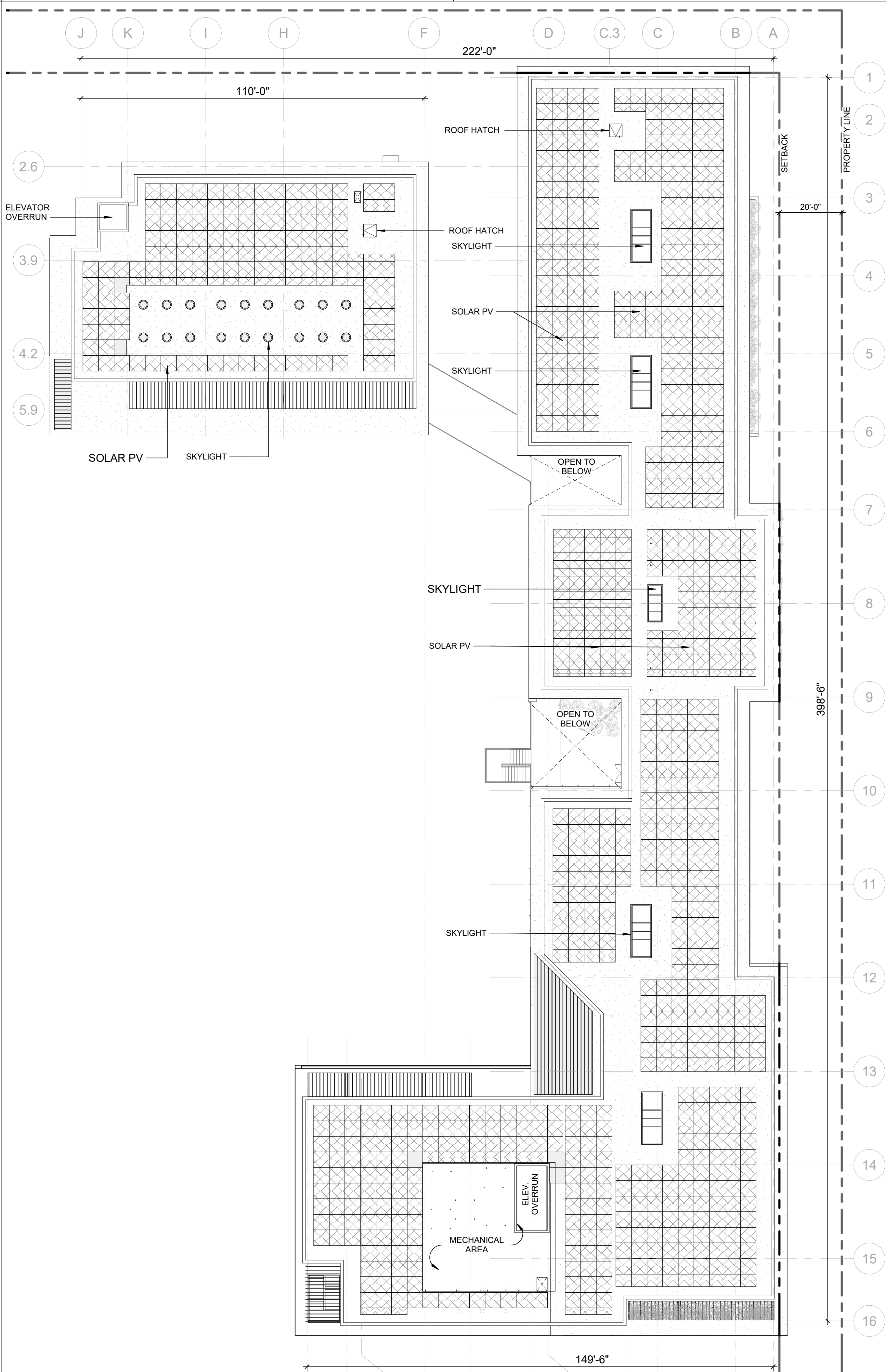
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PHASES 3 & 4 - LEVEL 1
& 2 FLOOR PLAN

SHEET NO:

AB.101

6/28/2019 12:53:18 PM



1 ROOF PLAN
1" = 20'-0"

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#	REVISION LIST	DATE
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CASTILLEJA SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 07/01/2019

SCALE: 1" = 20'-0"

SHEET TITLE:

PHASES 3 & 4 - ROOF PLAN

SHEET NO:

AB.103

ISSUES	DATE
PLANNING SUBMISSION	04/04/2019
PLANNING RESUBMISSION #1	07/01/2019

#	REVISION LIST	DATE
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CASTILLEJA
SCHOOL
1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

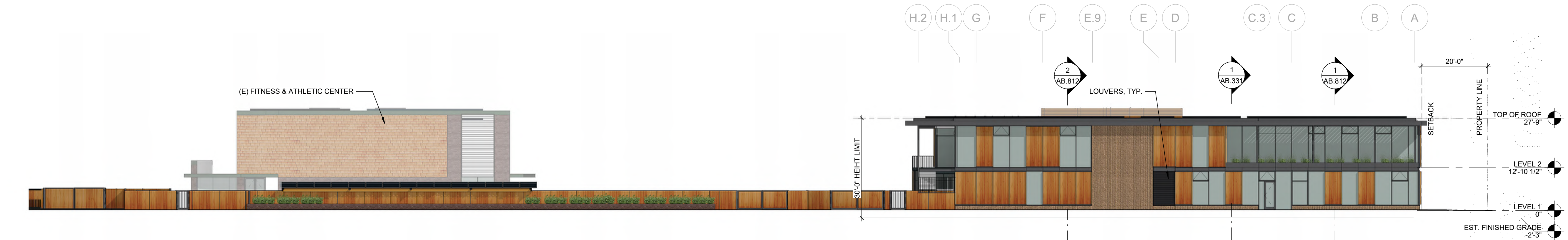
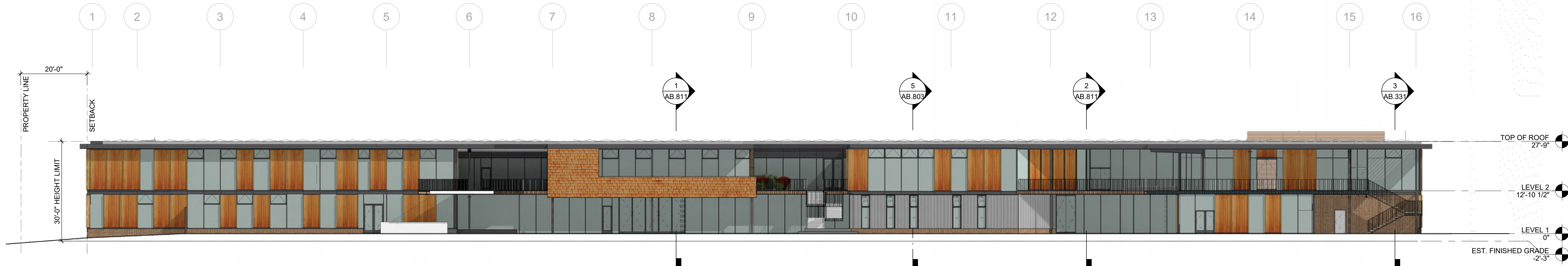
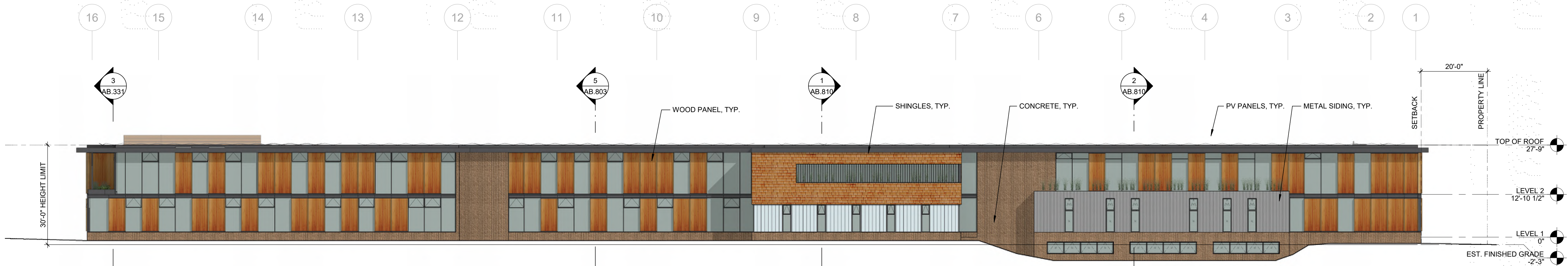
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PHASES 3 & 4 - OVERALL
ELEVATIONS

SHEET NO:

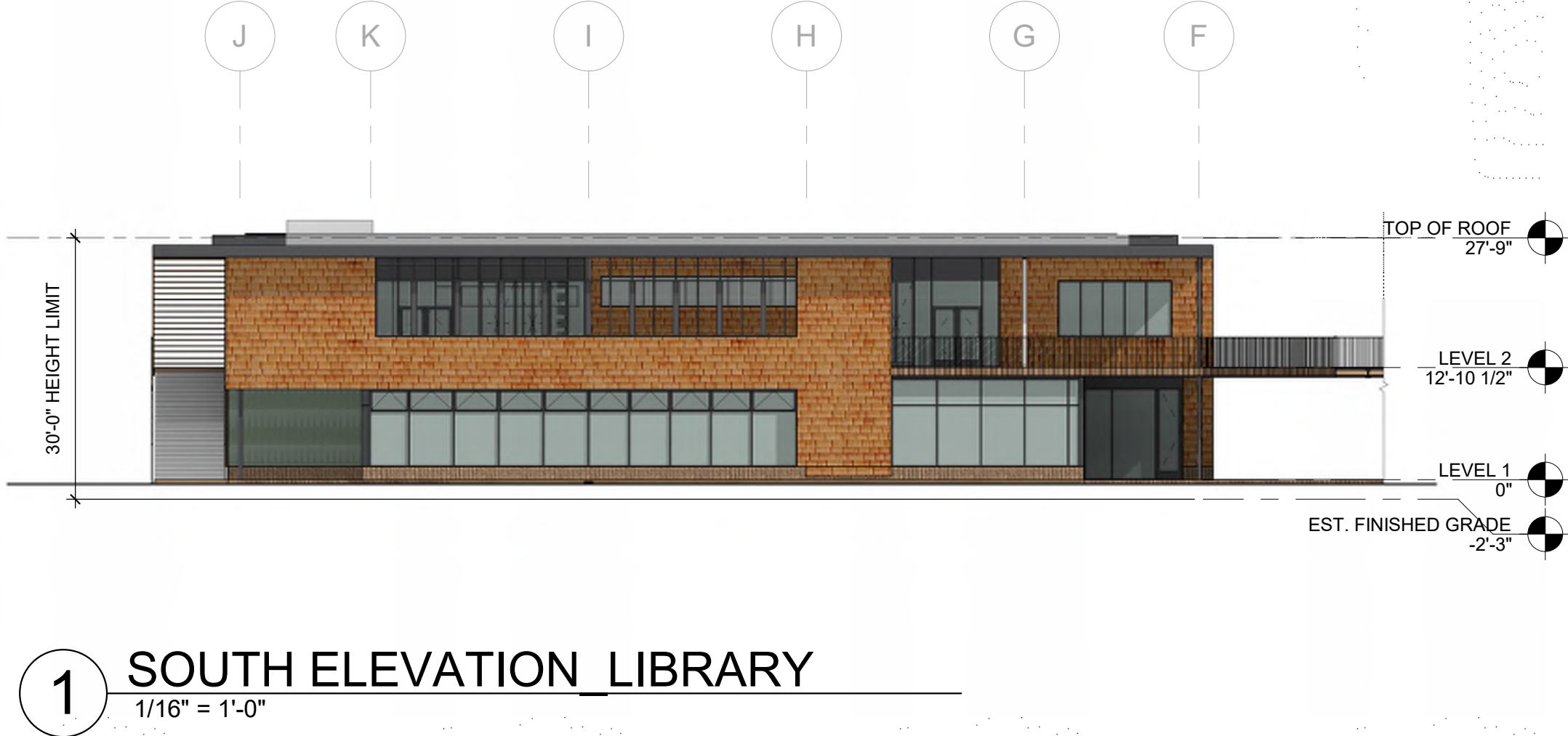
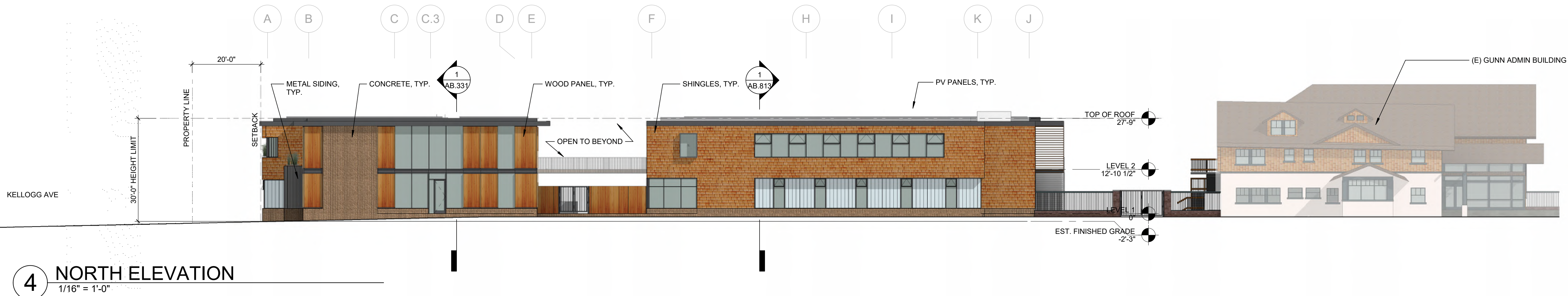
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ISSUES	DATE
PLANNING SUBMISSION	04/04/2019
PLANNING RESUBMISSION #1	07/01/2019

REVISION LIST	DATE
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CASTILLEJA
SCHOOL
1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 06/12/2019

SCALE: 1/16" = 1'-0"

SHEET TITLE:

PHASES 3 & 4 - OVERALL
ELEVATIONS

SHEET NO:

AB.303

ISSUES	DATE
PLANNING SUBMISSION	04/04/2019
PLANNING RESUBMISSION #1	07/01/2019

REVISION LIST	DATE
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CASTILLEJA
SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 06/12/2019

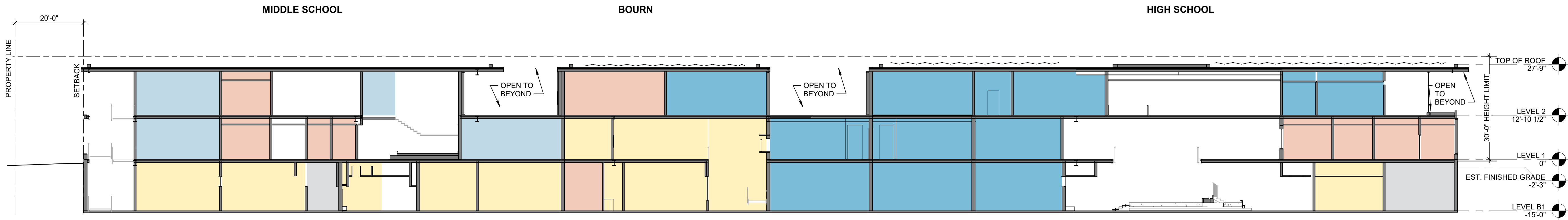
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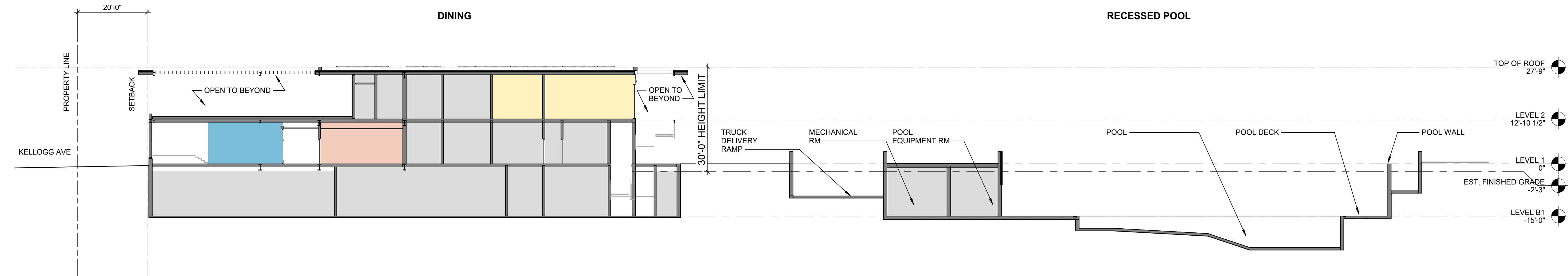
PHASES 3 & 4 - BUILDING
SECTIONS

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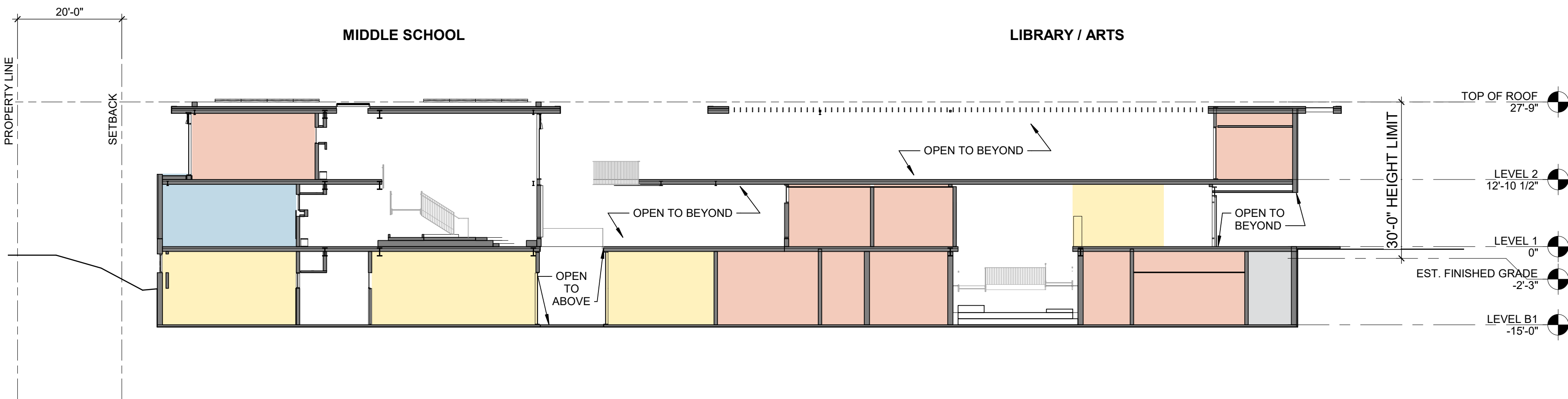
AB.331



1 ARB SITE SECTION 01
1/16" = 1'-0"



3 ARB SITE SECTION 02
1/16" = 1'-0"



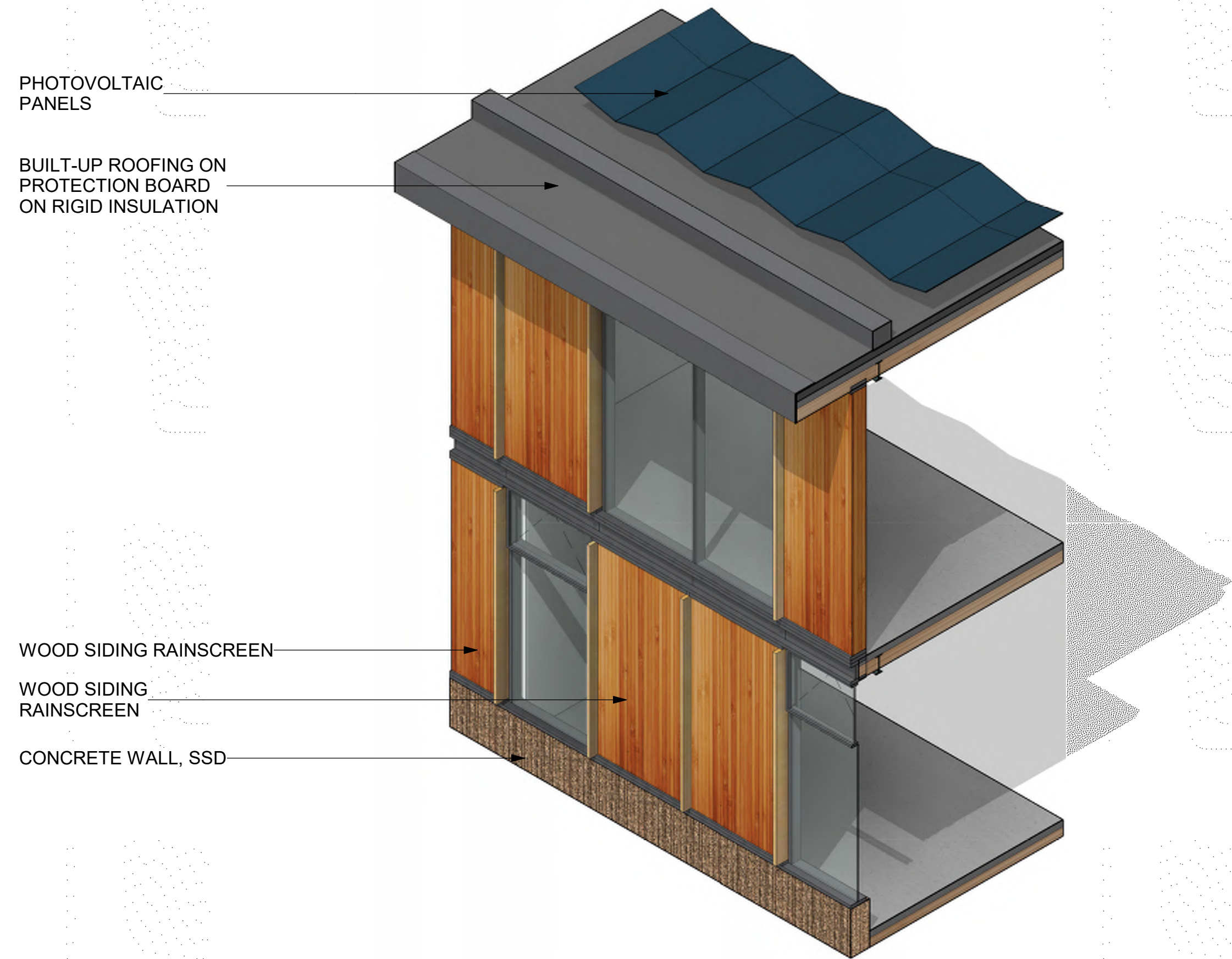
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1/16" = 1'-0"

DEPARTMENTS

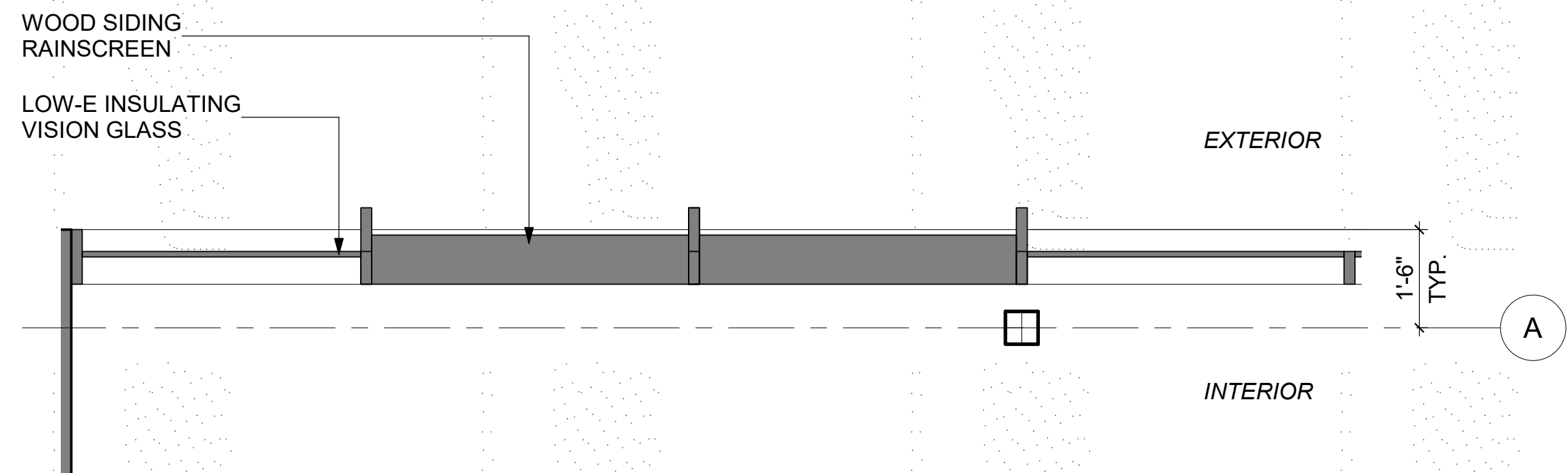
	FACULTY
	SERVICE
	SHARED
	UPPER SCHOOL
	MIDDLE SCHOOL

ISSUES	DATE
PLANNING SUBMISSION	04/04/2019
PLANNING RESUBMISSION #1	07/01/2019

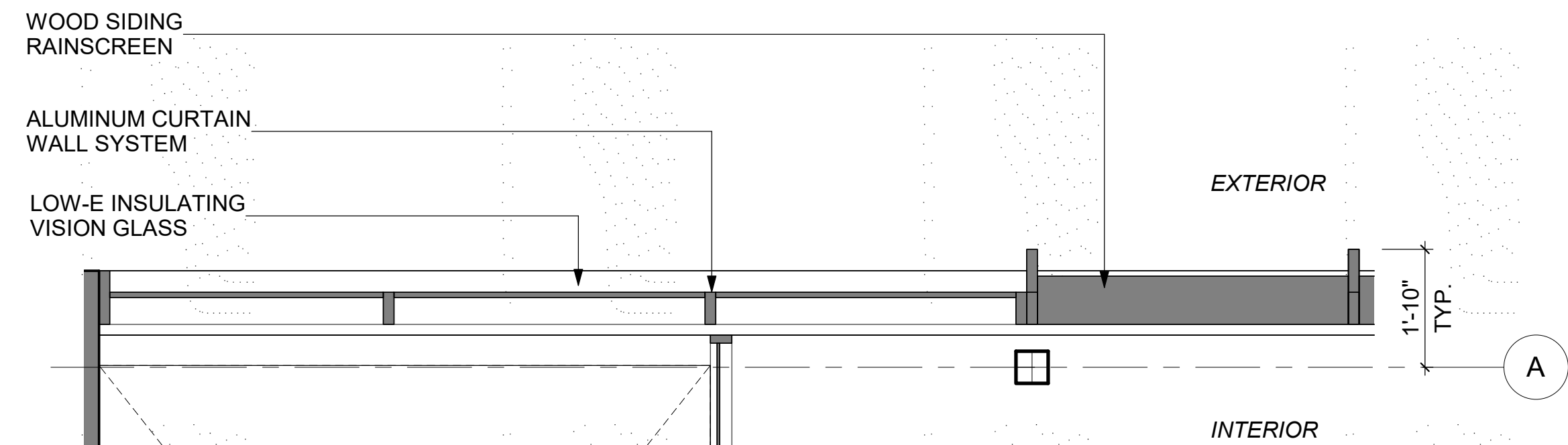
REVISION LIST	DATE
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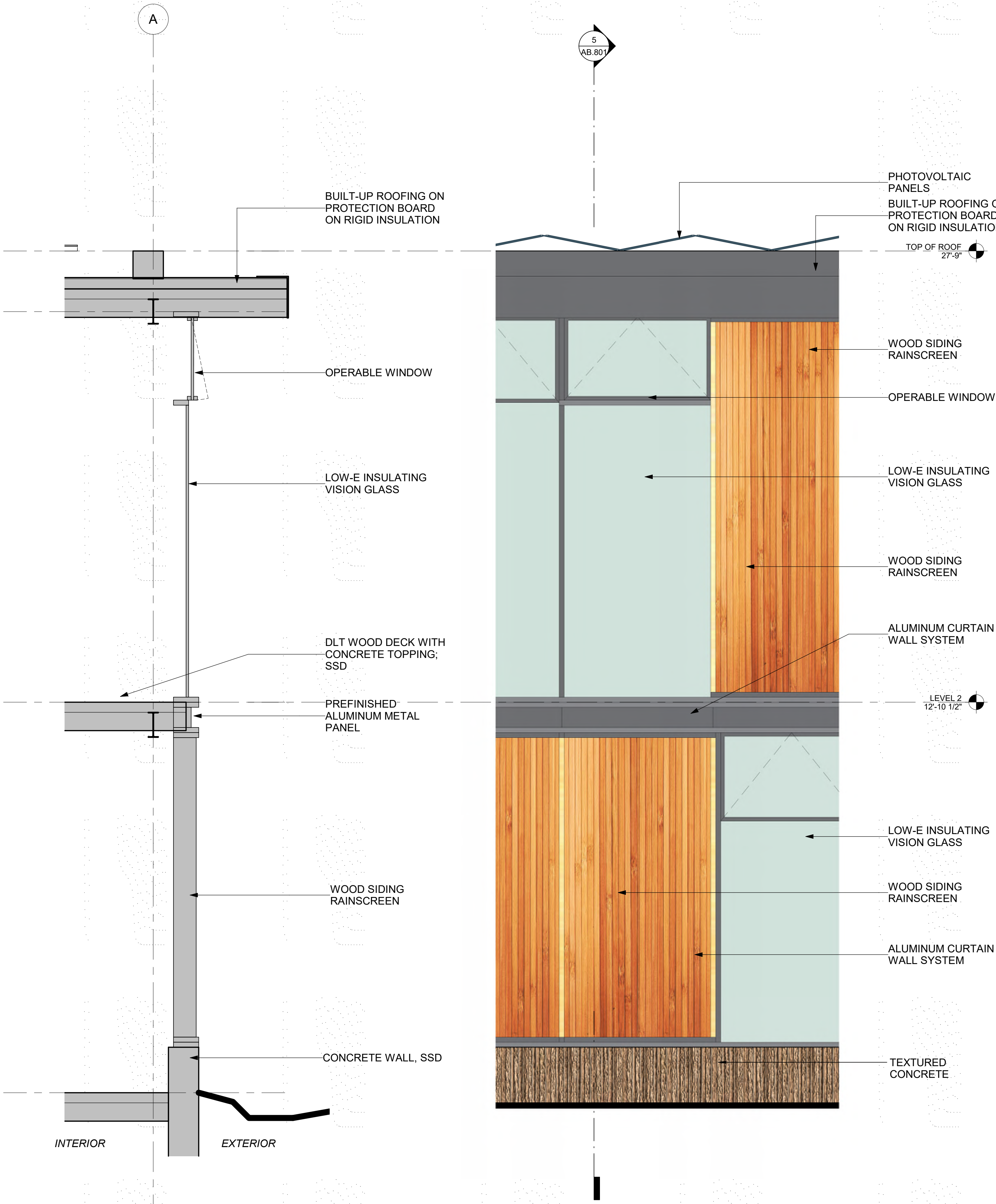
1 AXON - SYSTEM A



2 ENLARGED PLAN - EXT. WALL @ LEVEL 2
1/2" = 1'-0"



3 ENLARGED PLAN - EXT. WALL @ LEVEL 1
1/2" = 1'-0"



5 SECTION - EXTERIOR WALL
1/2" = 1'-0"

4 ELEVATION - EXTERIOR WALL
1/2" = 1'-0"

6/27/2019 3:22:13 PM

CASTILLEJA
SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 06/12/2019

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

SHEET TITLE:

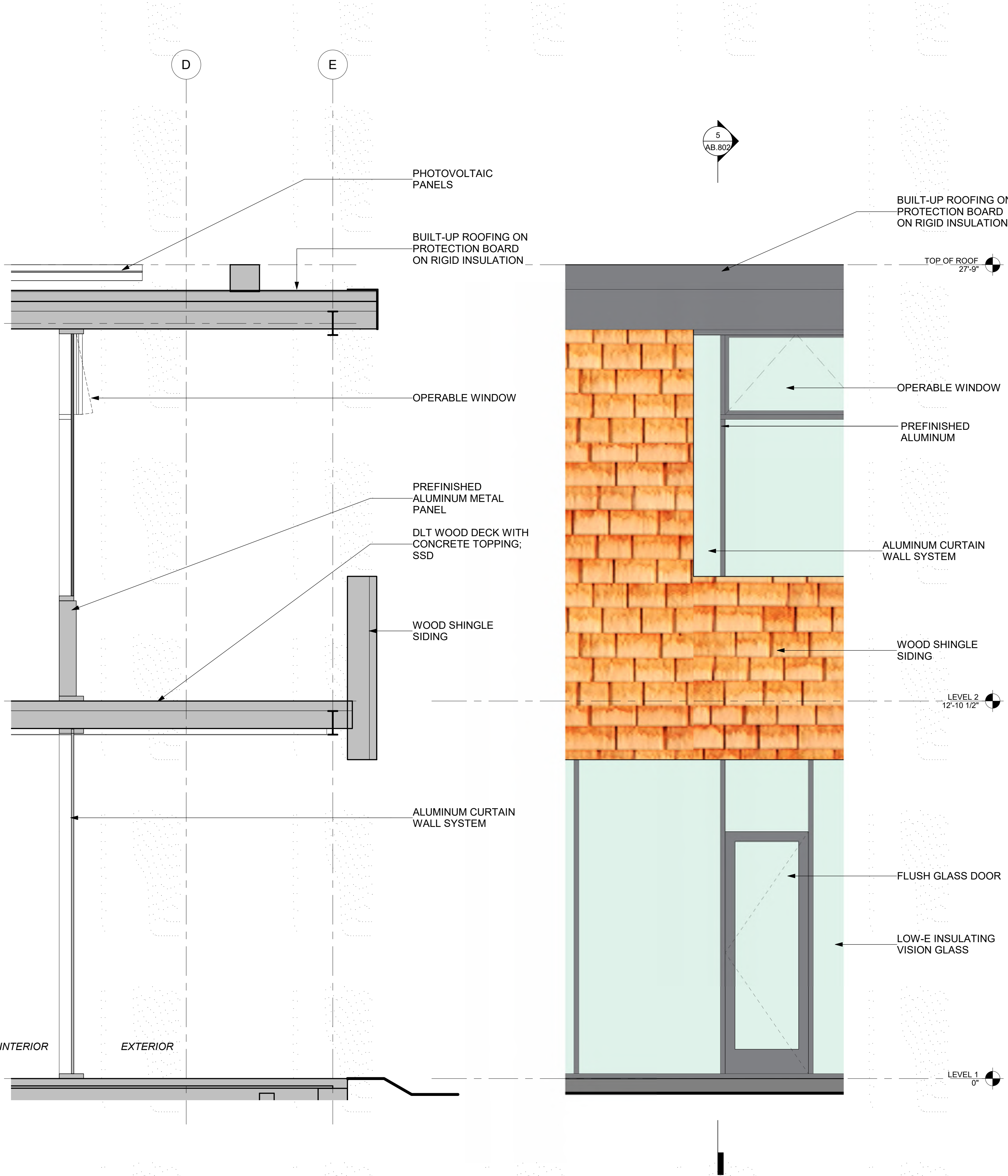
PHASES 3 & 4 -
EXTERIOR SYSTEMS

SHEET NO:

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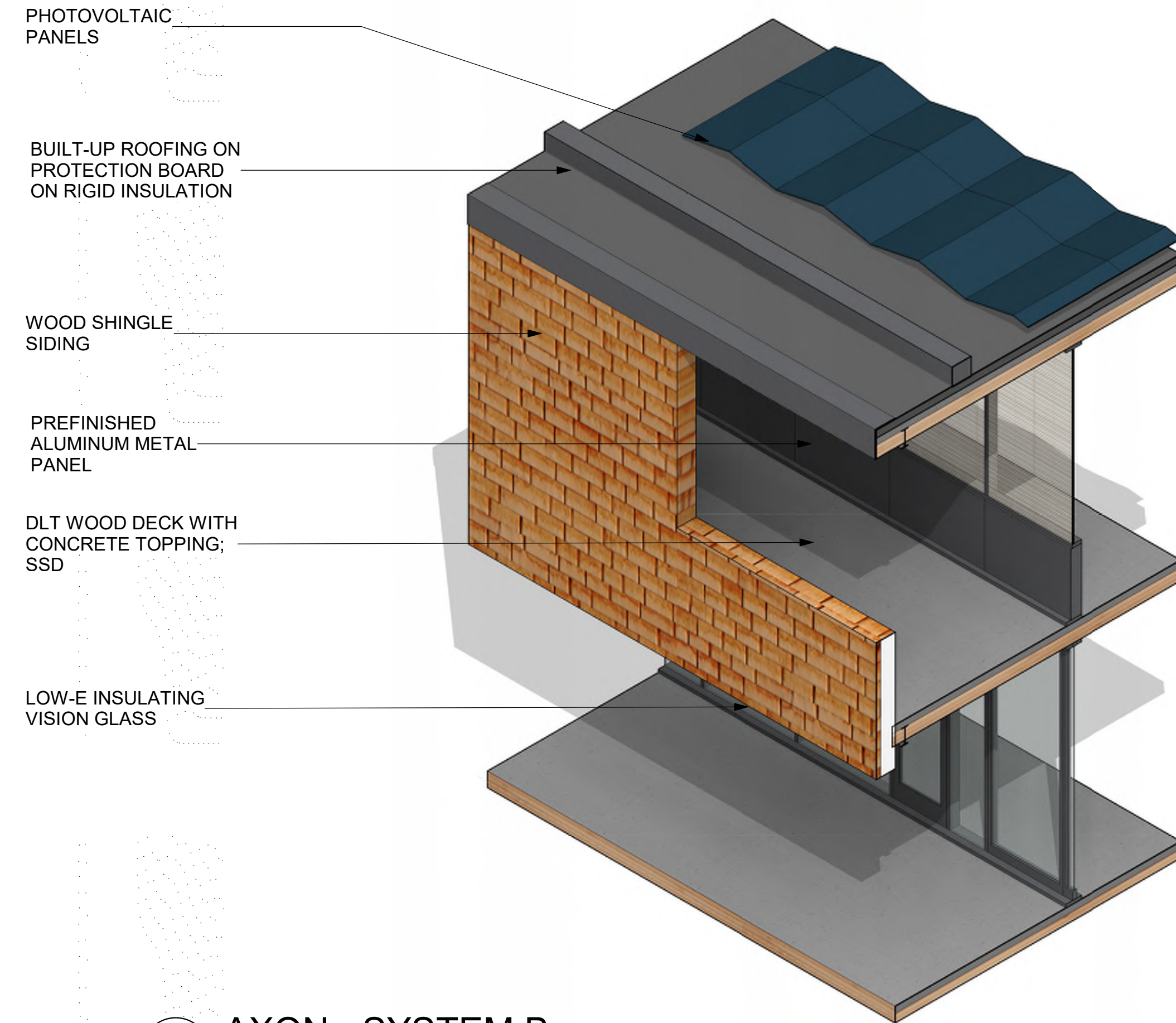
ISSUES	DATE
PLANNING SUBMISSION	04/04/2019
PLANNING RESUBMISSION #1	07/01/2019

REVISION LIST	DATE
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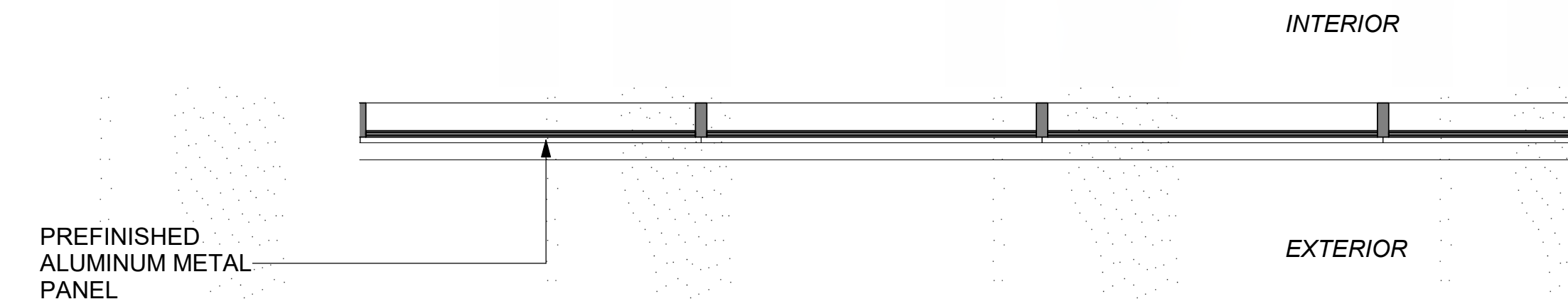


5 SECTION - EXTERIOR WALL
1/2" = 1'-0"

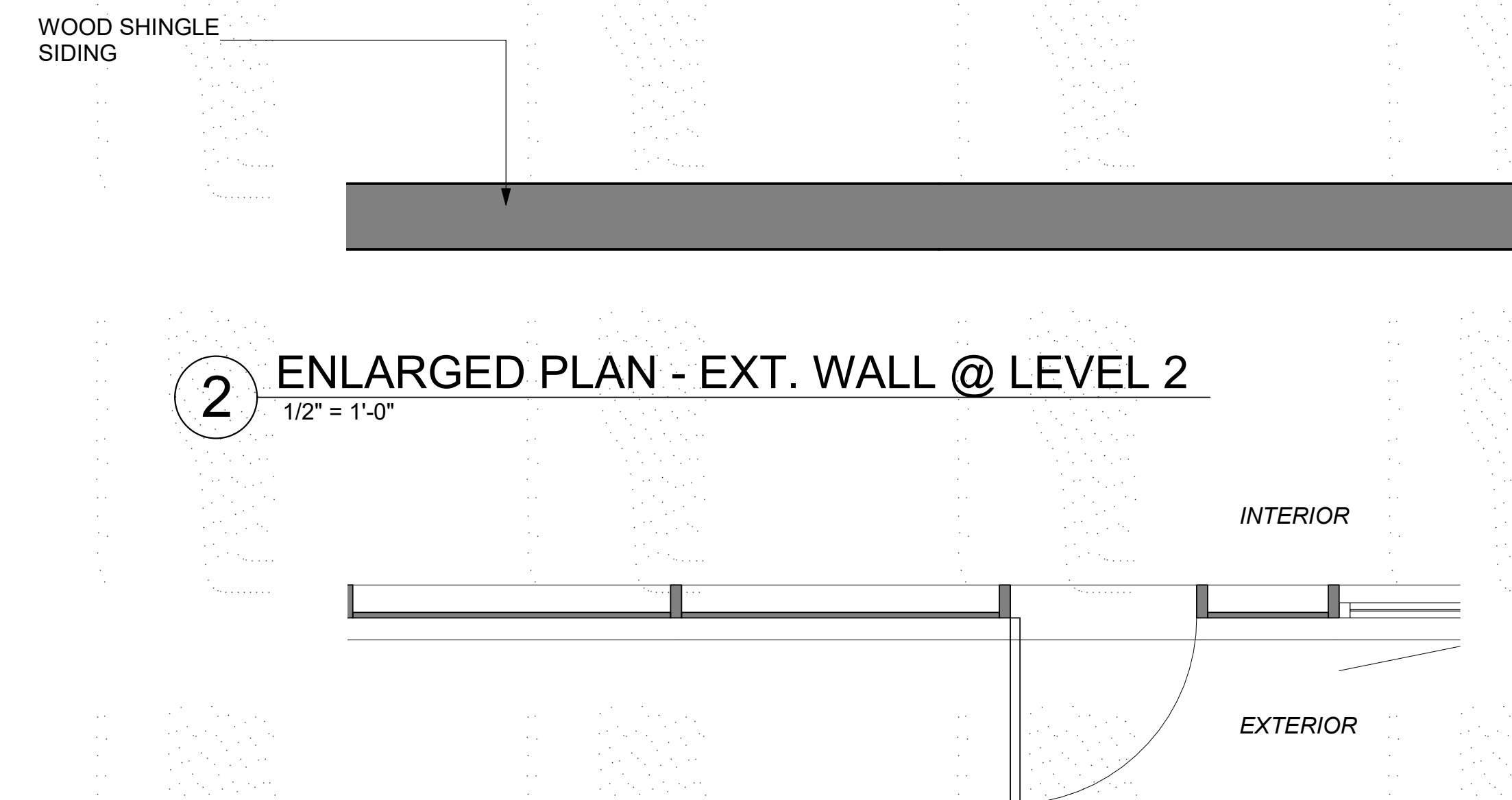
4 ELEVATION - EXTERIOR WALL
1/2" = 1'-0"



1 AXON - SYSTEM B



2 ENLARGED PLAN - EXT. WALL @ LEVEL 2
1/2" = 1'-0"



3 ENLARGED PLAN - EXT. WALL @ LEVEL 1
1/2" = 1'-0"

CASTILLEJA
SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 06/12/2019

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

SHEET TITLE:

PHASES 3 & 4 -
EXTERIOR SYSTEMS

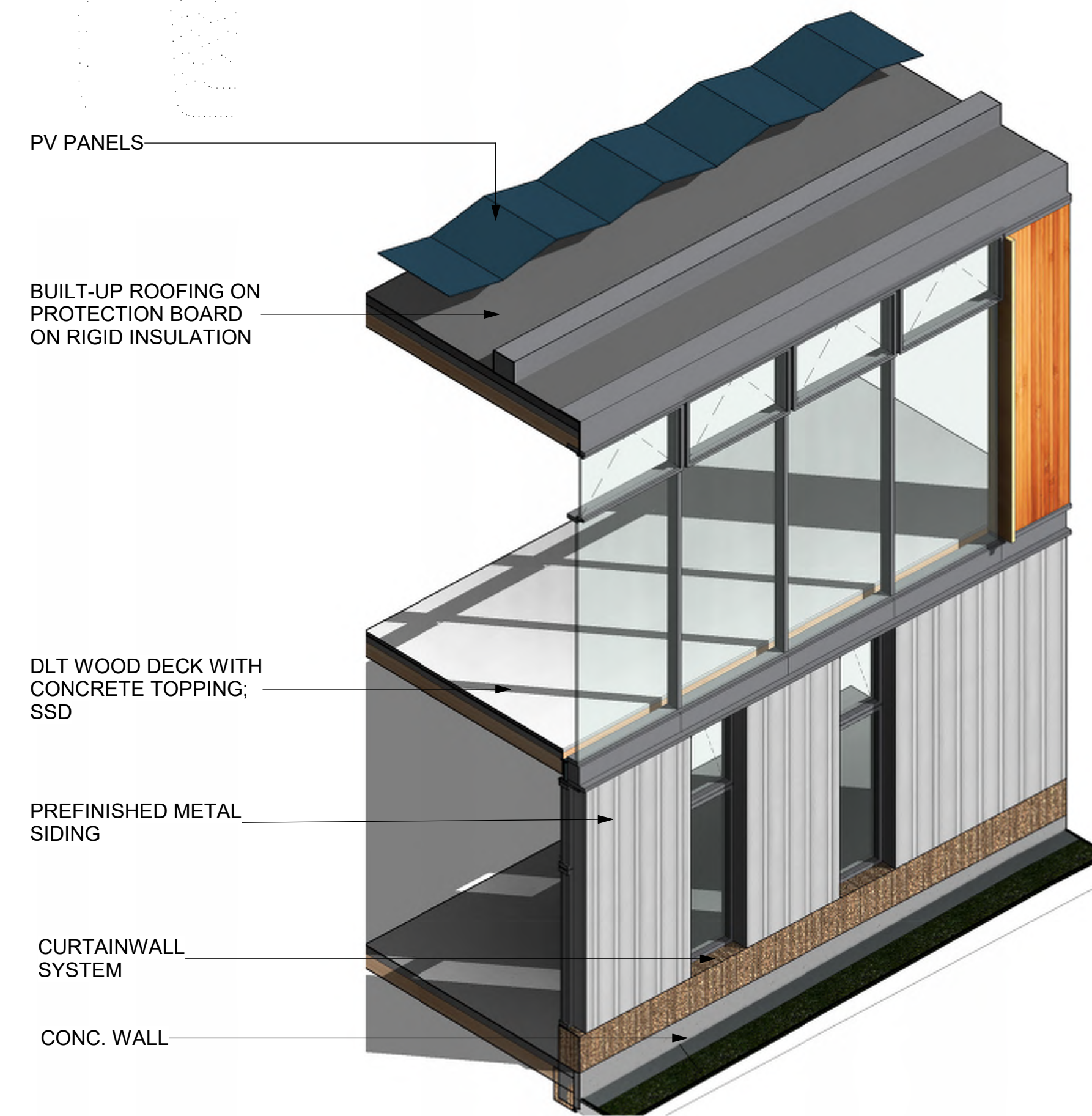
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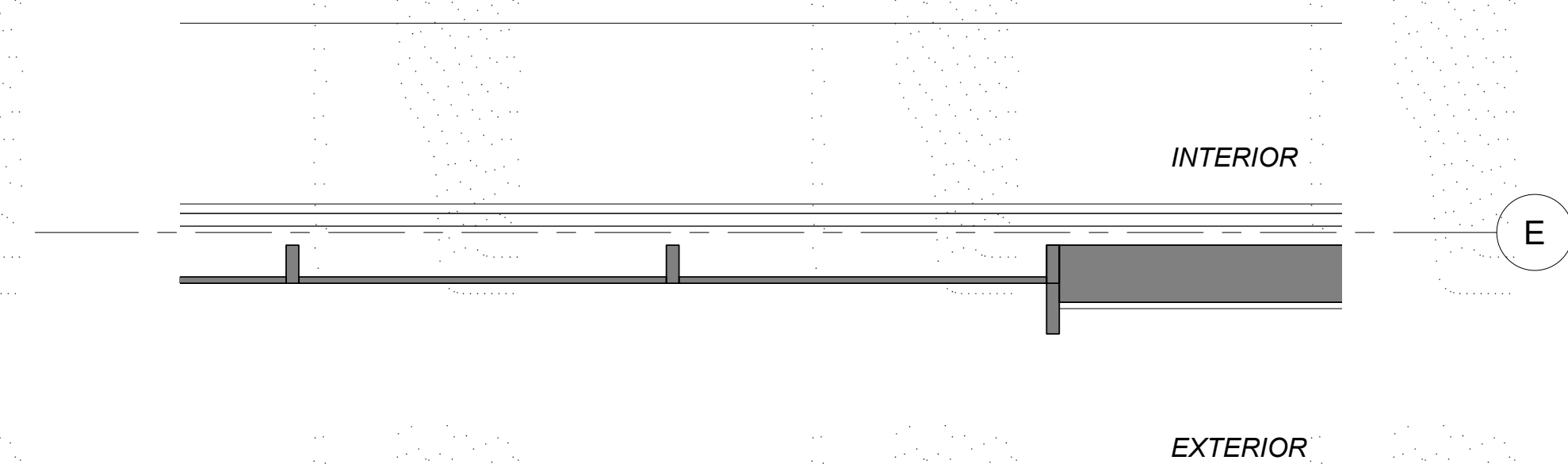
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ISSUES	DATE
PLANNING SUBMISSION	04/04/2019
PLANNING RESUBMISSION #1	07/01/2019

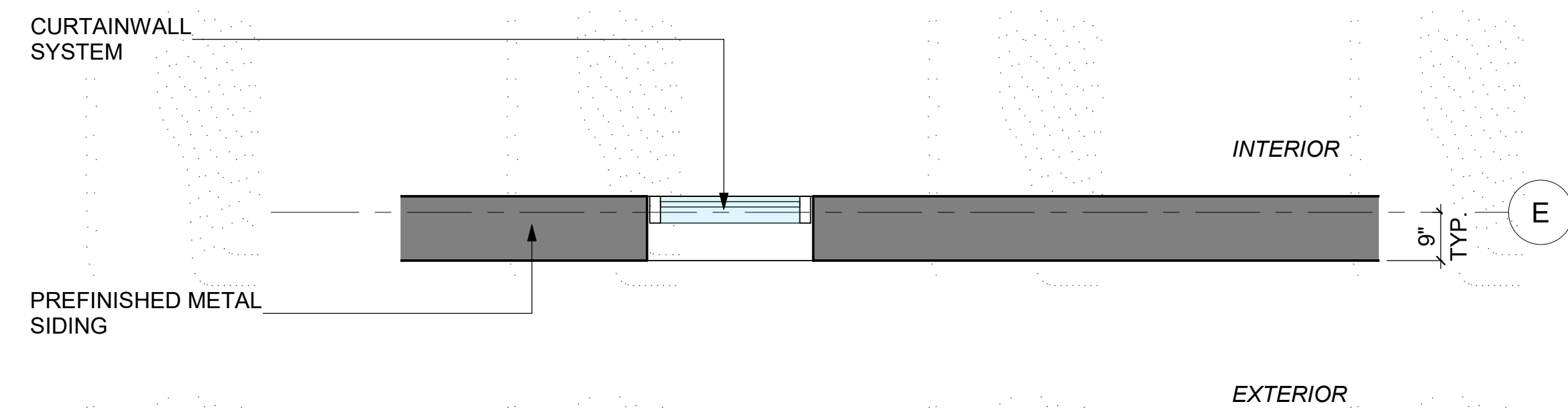
REVISION LIST	DATE
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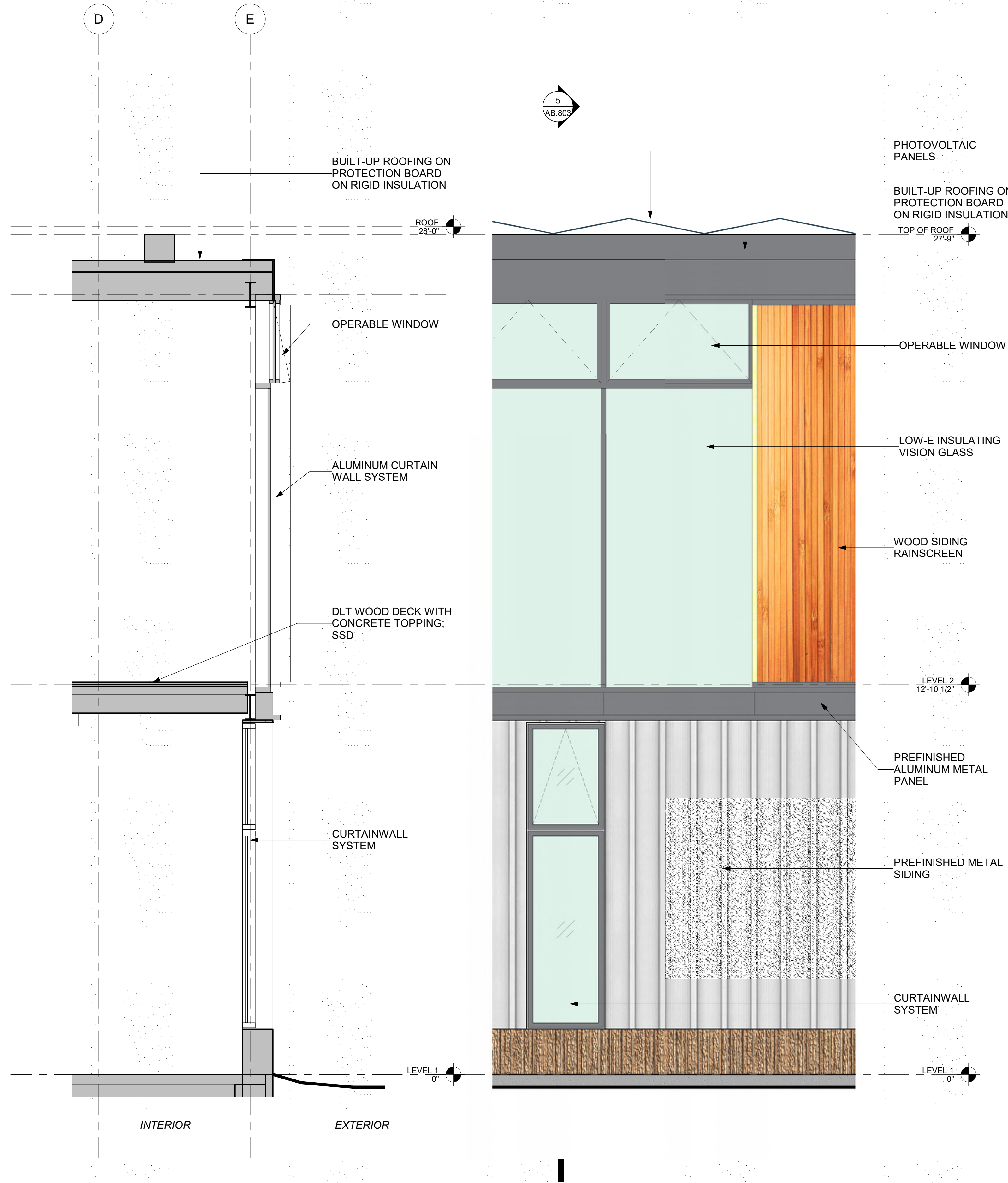
1 AXON - SYSTEM C



2 ENLARGED PLAN - EXT. WALL @ LEVEL 2
1/2" = 1'-0"



3 ENLARGED PLAN - EXT. WALL @ LEVEL 1
1/2" = 1'-0"



4 ELEVATION - EXTERIOR WALL
1/2" = 1'-0"

5 SECTION - EXTERIOR WALL
1/2" = 1'-0"

CASTILLEJA SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 06/12/2019

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

SHEET TITLE:

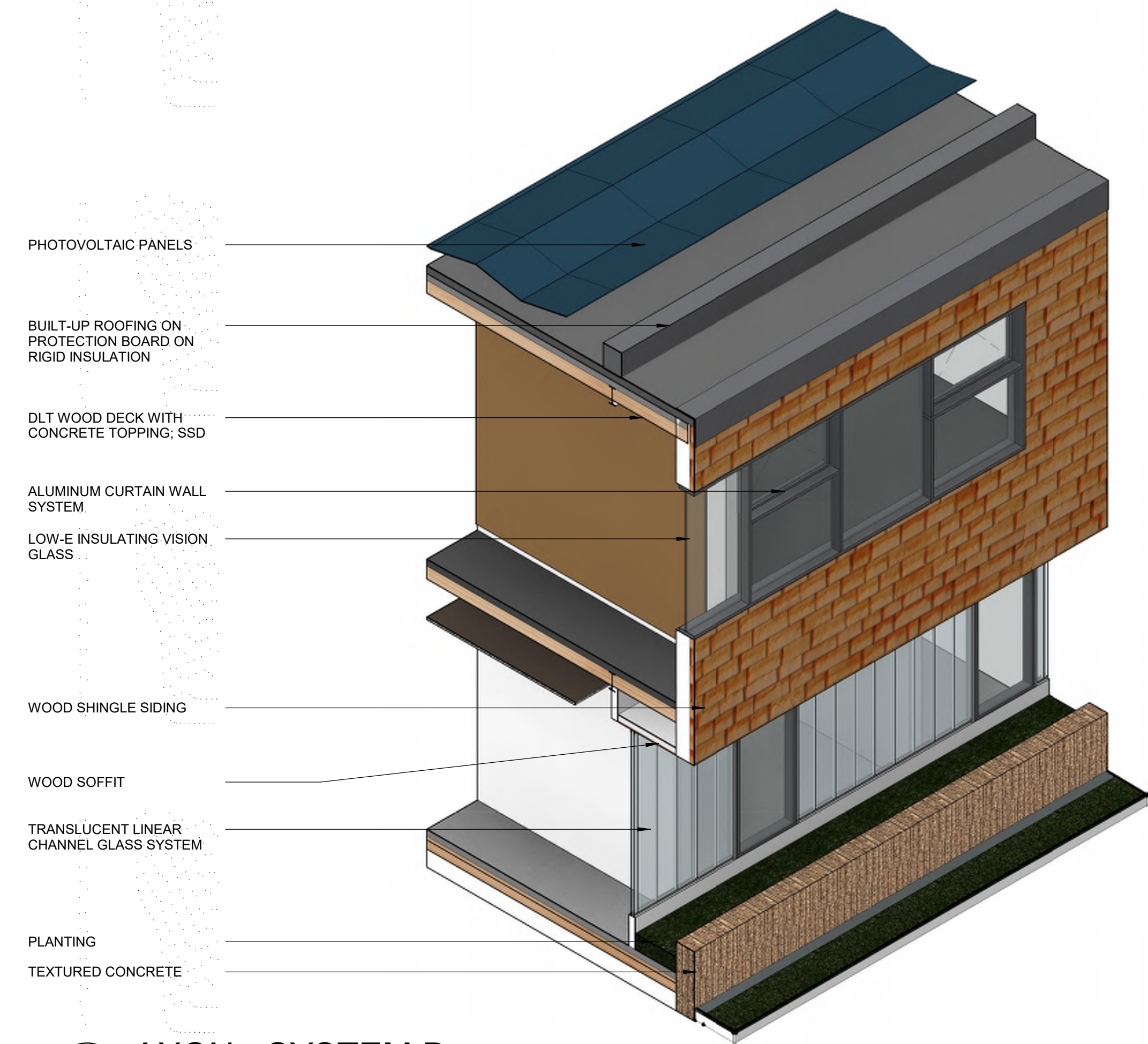
PHASES 3 & 4 -
EXTERIOR SYSTEMS

SHEET NO:

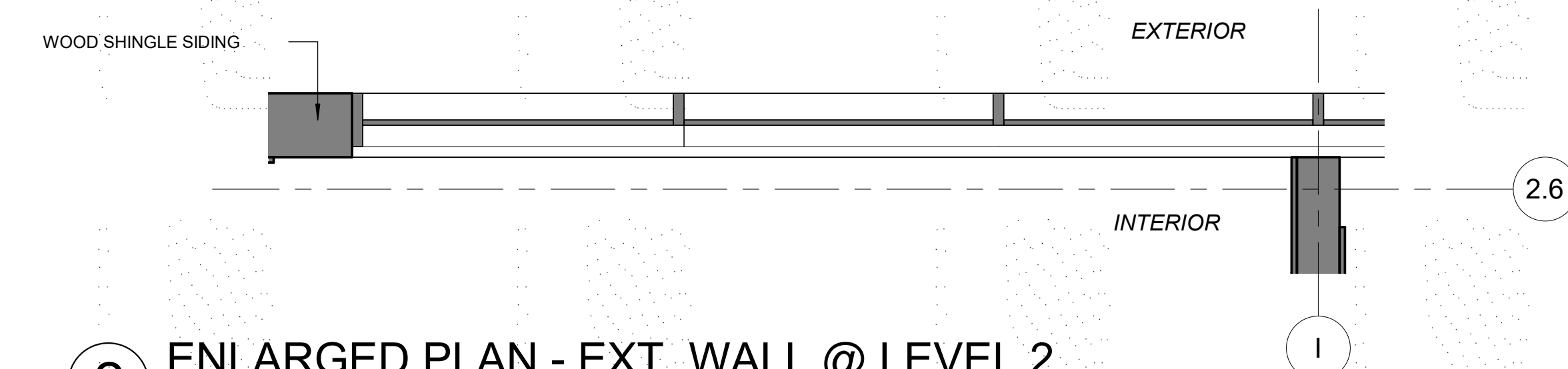
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ISSUES	DATE
PLANNING SUBMISSION	04/04/2019
PLANNING RESUBMISSION #1	07/01/2019

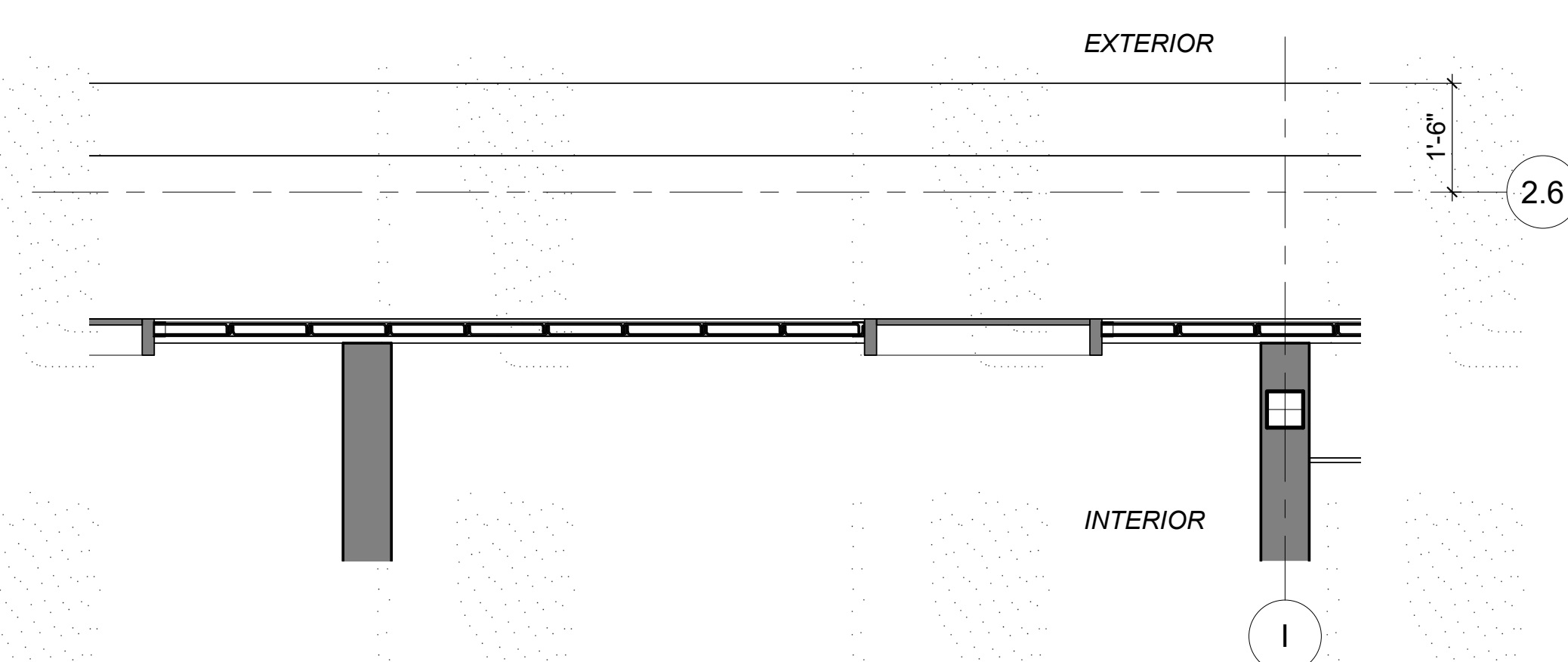
REVISION LIST	DATE
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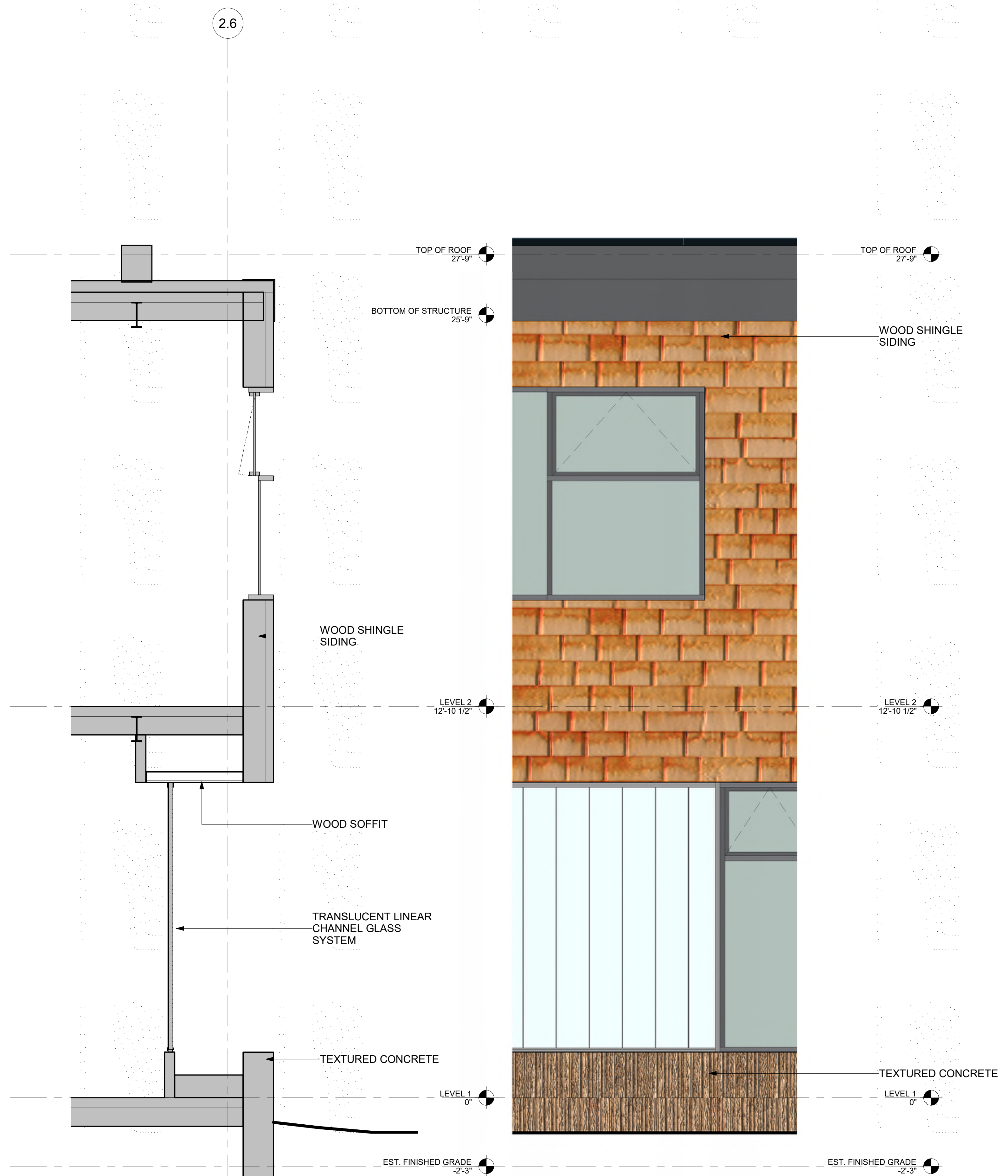
5 AXON - SYSTEM D



2 ENLARGED PLAN - EXT. WALL @ LEVEL 2
1/2" = 1'-0"



1 ENLARGED PLAN - EXT. WALL @ LEVEL 1
1/2" = 1'-0"



4 SECTION - EXTERIOR WALL
1/2" = 1'-0"

3 ELEVATION - EXTERIOR WALL
1/2" = 1'-0"

CASTILLEJA
SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 06/12/2019

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

SHEET TITLE:

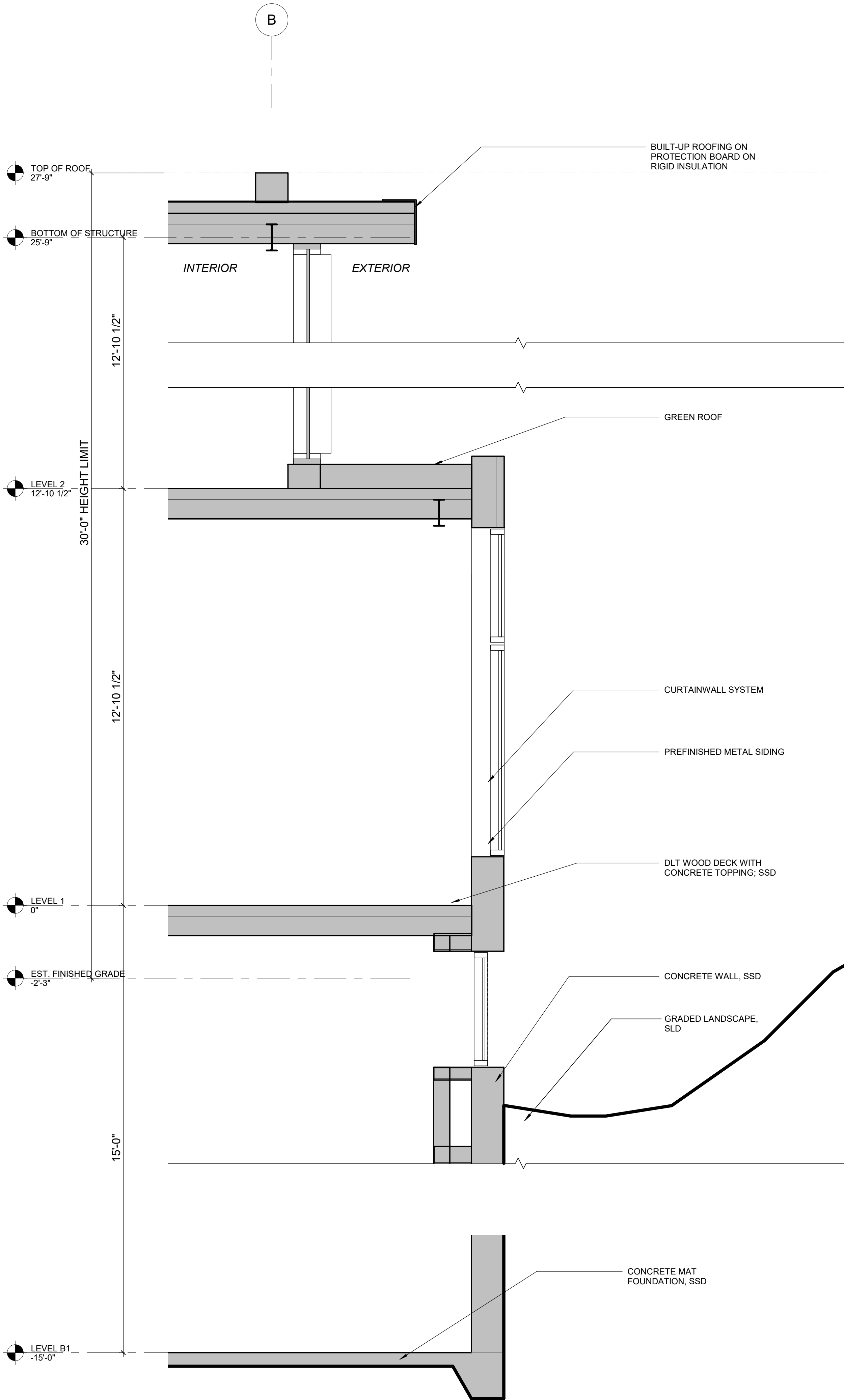
PHASES 3 & 4 -
EXTERIOR SYSTEMS

SHEET NO:

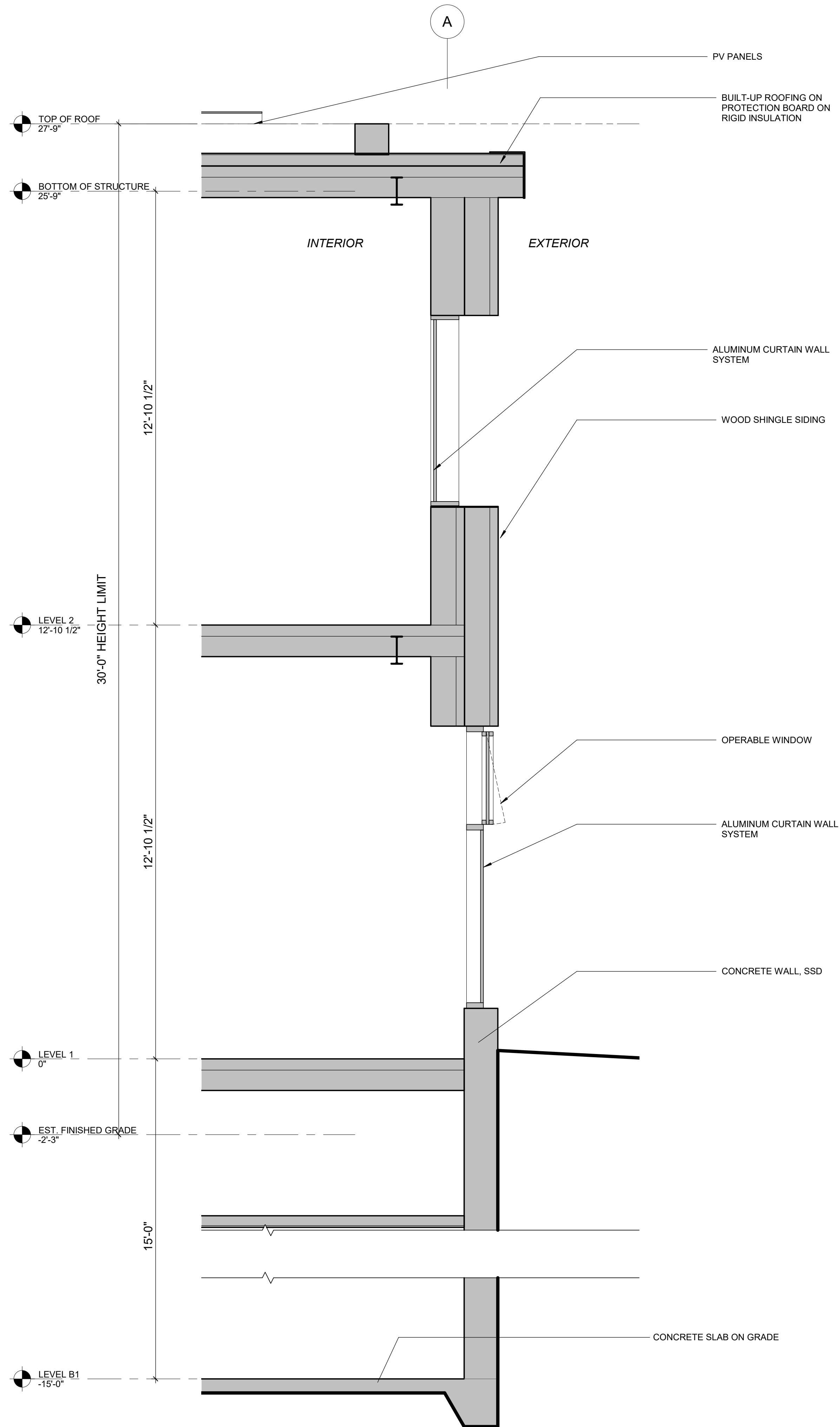
AB.804

6/27/2019 3:23:33 PM

6/27/2019 3:23:35 PM



2 WALL SECTION EAST 02
1/2" = 1'-0"



1 WALL SECTION EAST 01
1/2" = 1'-0"

ISSUES	DATE
PLANNING SUBMISSION	04/04/2019
PLANNING RESUBMISSION #1	07/01/2019

REVISION LIST	DATE
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CASTILLEJA
SCHOOL
1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 06/12/2019

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

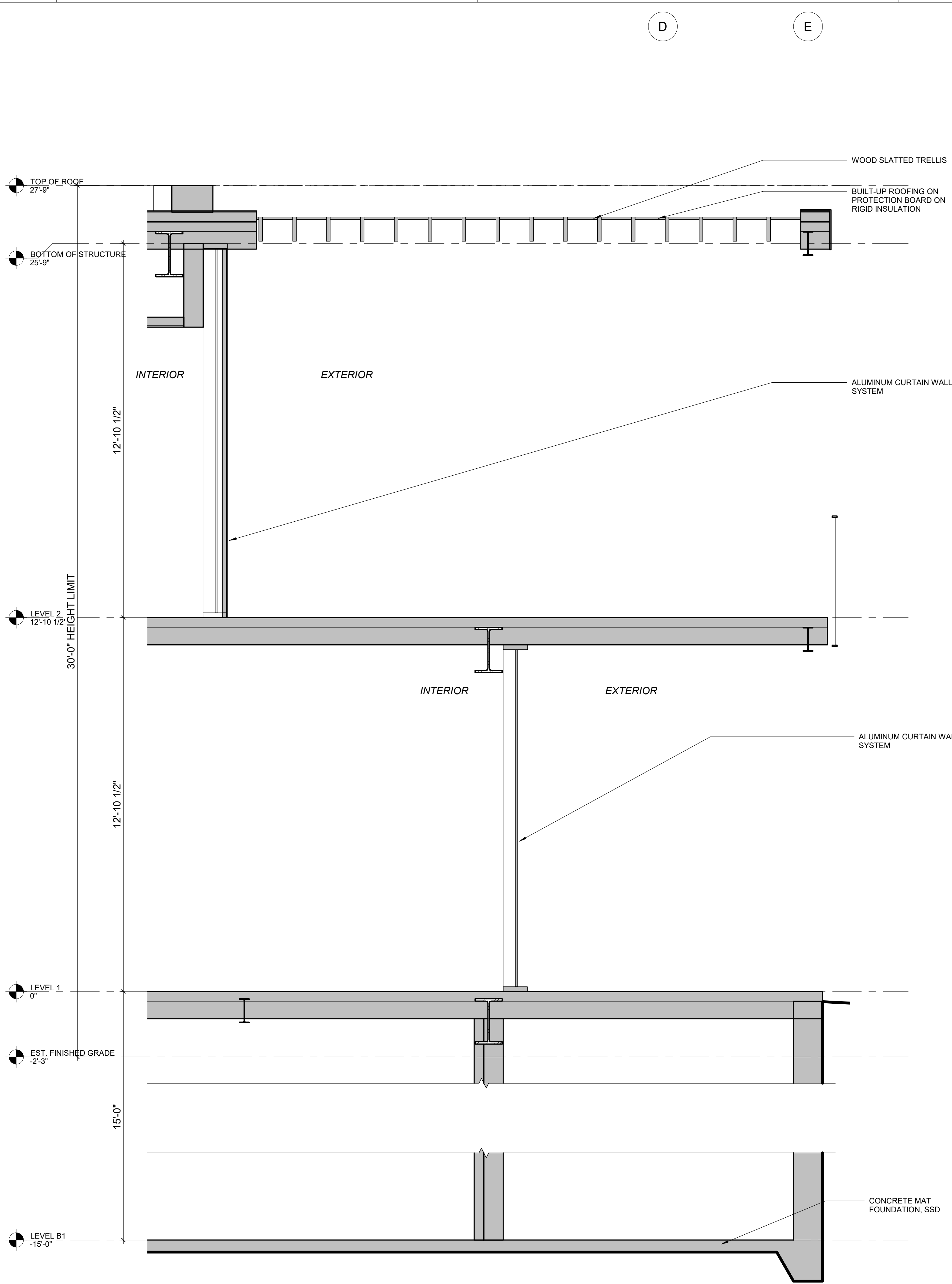
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PHASES 3 & 4 - WALL
SECTIONS

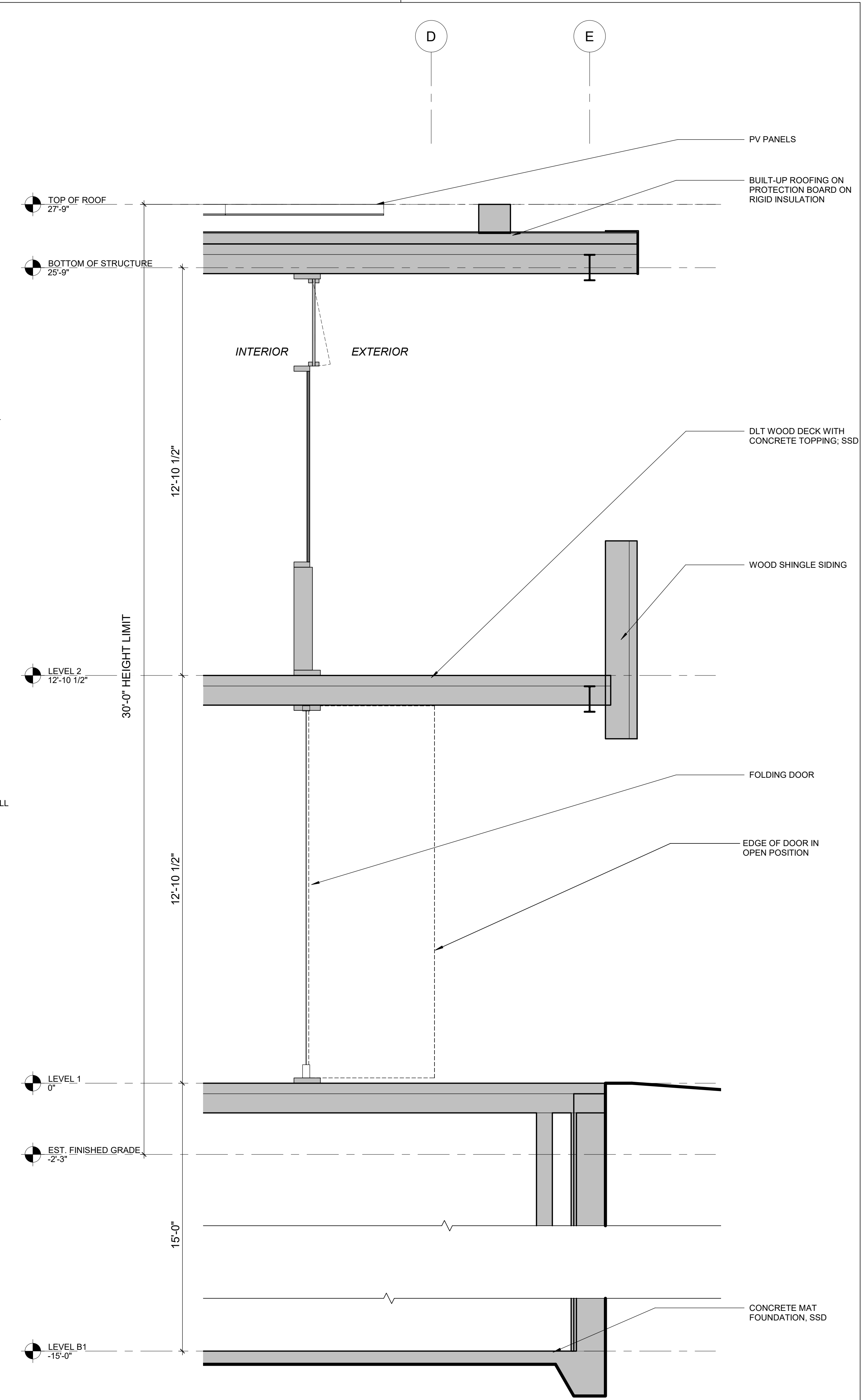
SHEET NO:

AB.810

6/27/2019 3:23:37 PM



2 WALL SECTION _ WEST 02
1/2" = 1'-0"



1 WALL SECTION _ WEST 01
1/2" = 1'-0"

ISSUES	DATE
PLANNING SUBMISSION	04/04/2019
PLANNING RESUBMISSION #1	07/01/2019

#	REVISION LIST	DATE
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CASTILLEJA
SCHOOL
1310 Bryant St, Palo Alto, CA 94301

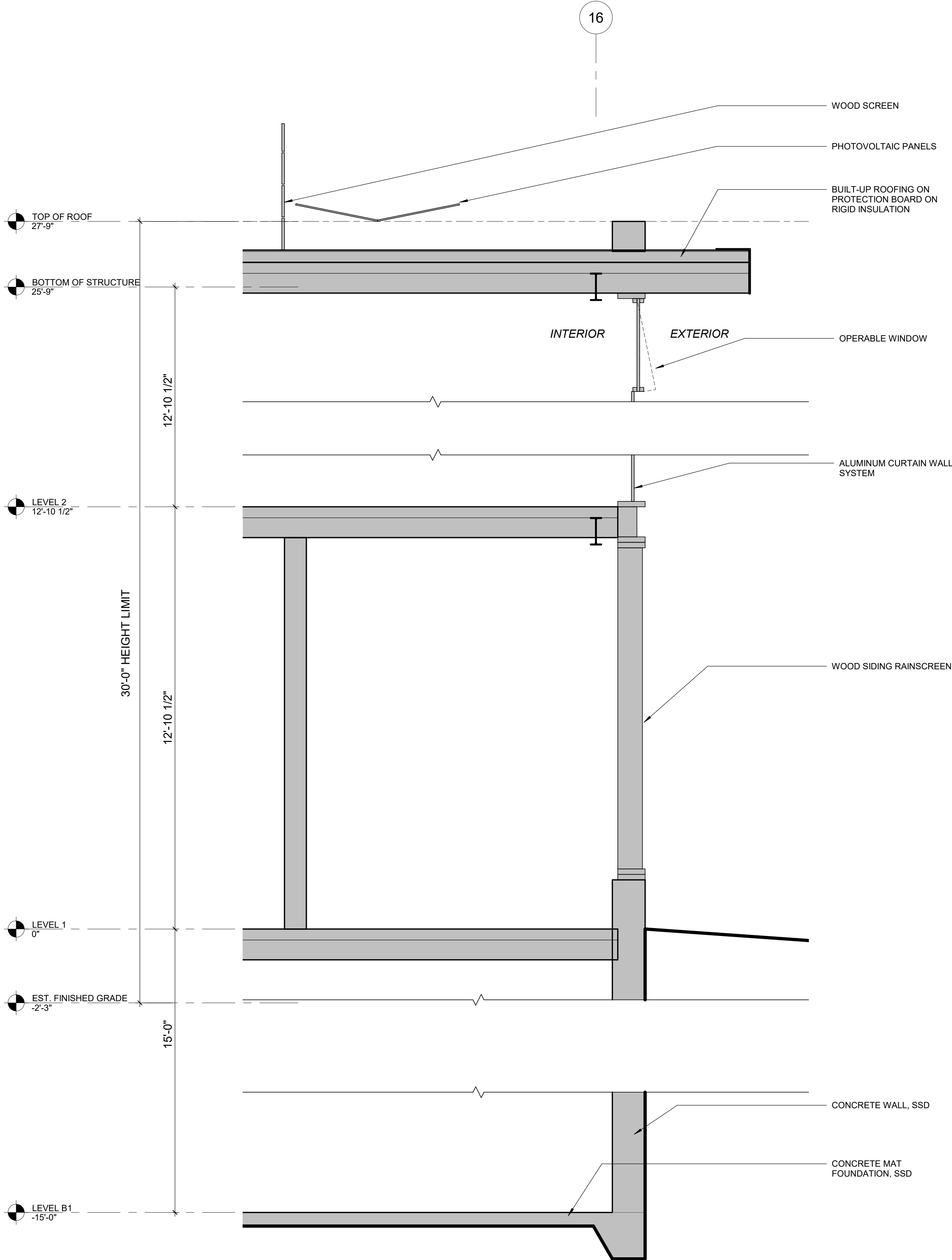
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PROJECT NO.: 18043.00
DATE: 06/12/2019
SCALE: 1/2" = 1'-0"

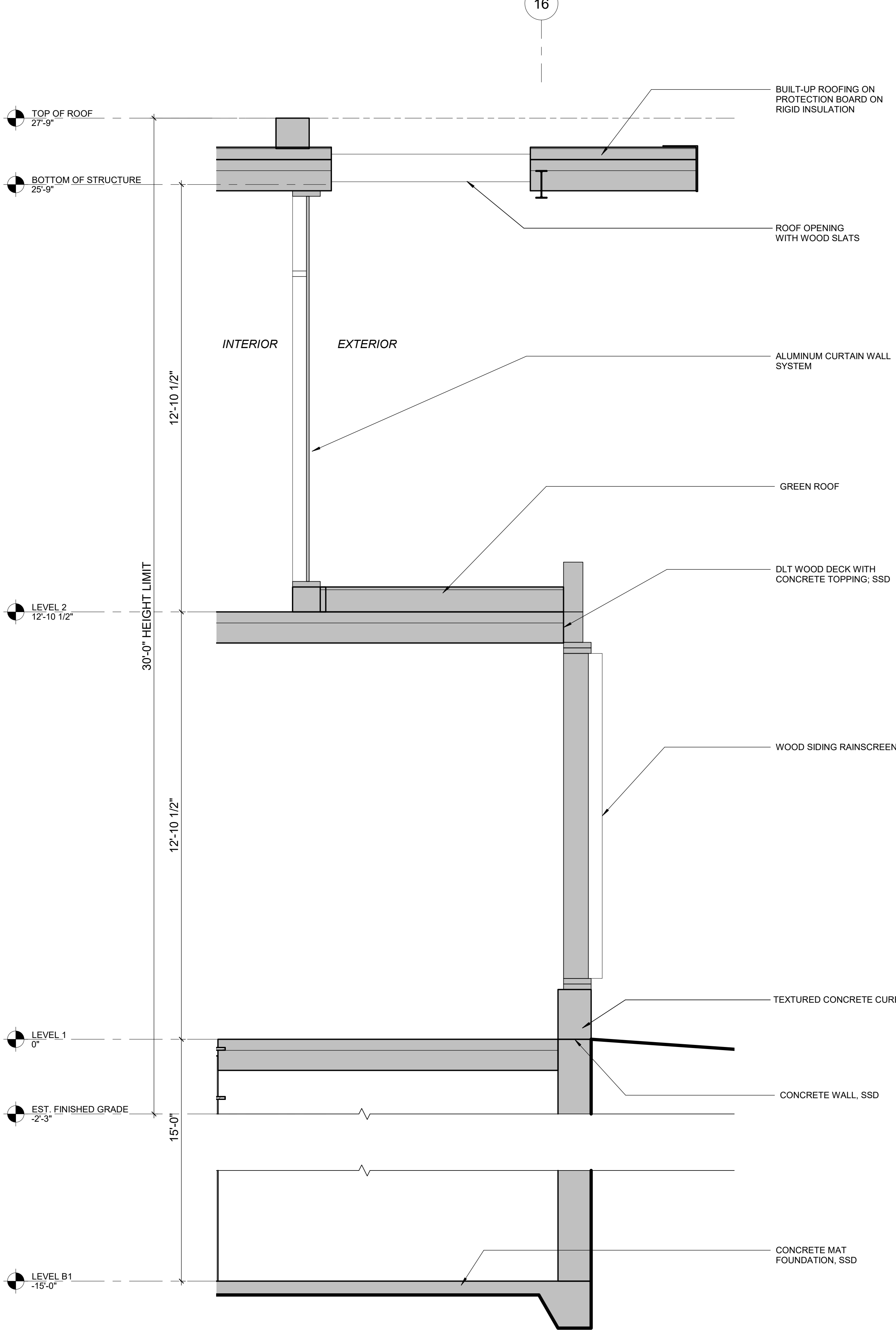
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PHASES 3 & 4 - WALL
SECTIONS

SHEET NO:
AB.811

6/27/2019 3:23:39 PM



2 WALL SECTION SOUTH 02
1/2" = 1'-0"



1 WALL SECTION SOUTH 01
1/2" = 1'-0"

ISSUES	DATE
PLANNING SUBMISSION	04/04/2019
PLANNING RESUBMISSION #1	07/01/2019

REVISION LIST	DATE
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CASTILLEJA SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 06/12/2019

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

SHEET TITLE:

PHASES 3 & 4 - WALL
SECTIONS

SHEET NO:

AB.812

ISSUES	DATE
PLANNING SUBMISSION	04/04/2019
PLANNING RESUBMISSION #1	07/01/2019

#	REVISION LIST	DATE
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1310 Bryant St, Palo Alto, CA 9430

KEYPLAN

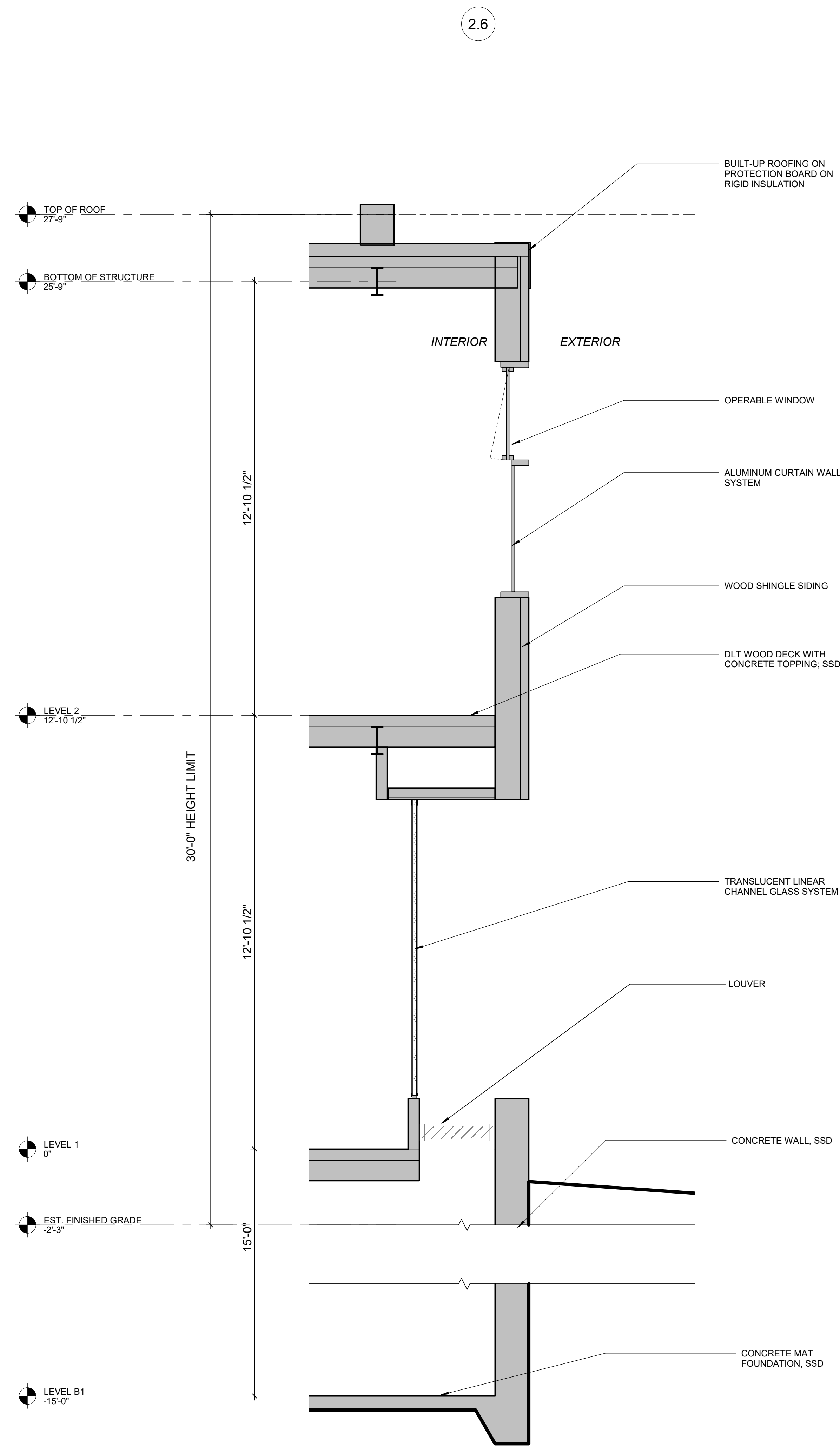
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SHEET TITLE:

PHASES 3 & 4 - WALL SECTIONS

SHEET NO.

AB.813



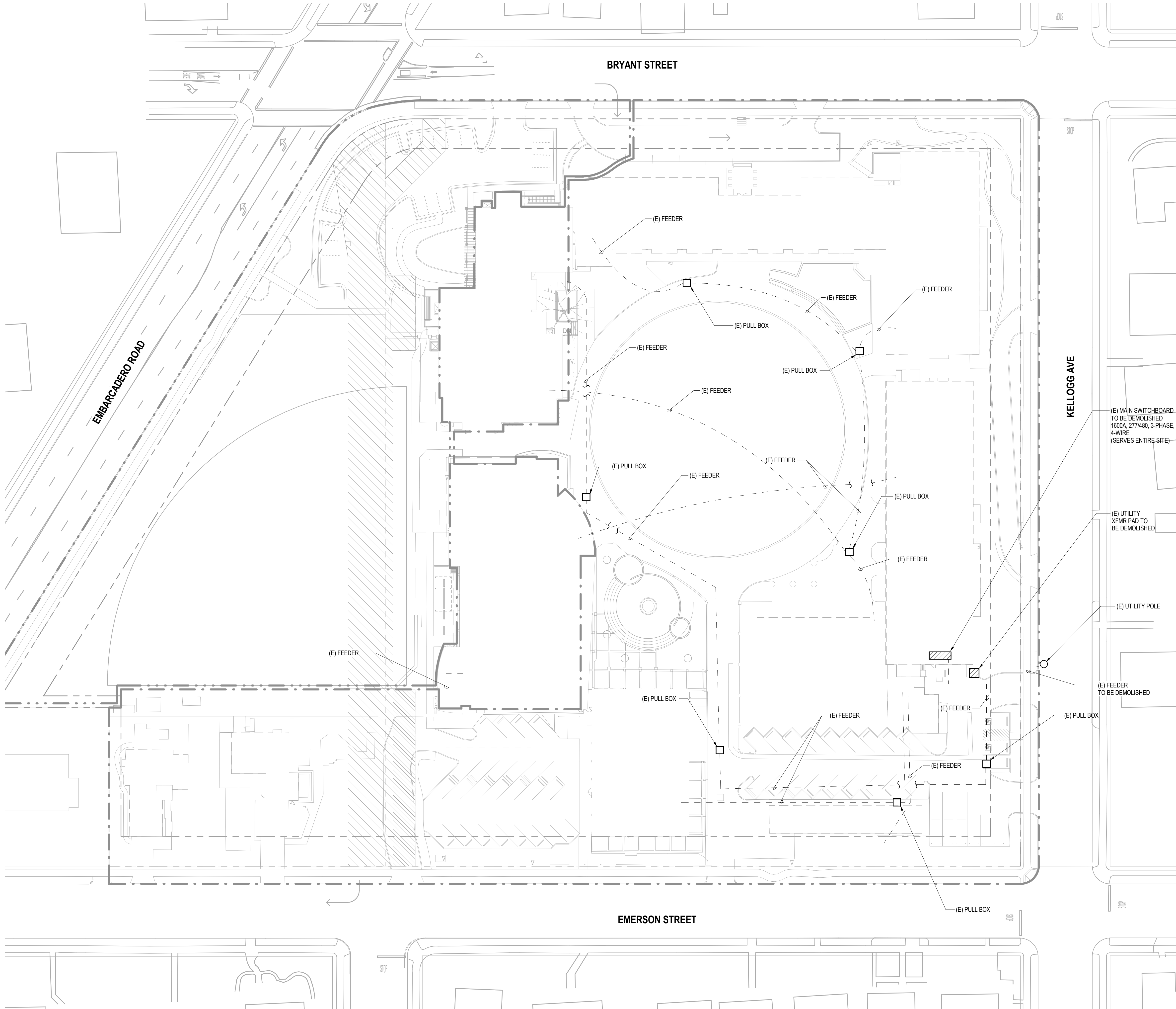
1 WALL SECTION NORTH 01
1/2" = 1'-0"

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6/27/2019 3:23:40 PM

6/26/2019 4:15:51 PM



SITE SURVEY ASSESSMENT:

- A. EXISTING ELECTRICAL UTILITY SERVICE IS LOCATED WITHIN AREA TO BE DEMOLISHED.
- B. EXISTING ELECTRICAL UTILITY SERVICE FEEDS BUILDING TO BE DEMOLISHED, WHICH SUBFEEDS OTHER EXISTING BUILDINGS TO REMAIN.
- C. EXISTING BUILDINGS NEED TO REMAIN OPERATIONAL DURING CONSTRUCTION.
- D. PORTABLES WILL REQUIRE INTERIM POWER (NIC).
- E. FUTURE PARKING GARAGE WILL REQUIRE EV CHARGERS PER CITY OF PALO ALTO REQUIREMENTS (NIC).
- F. NEW POOL WILL BE LOCATED ADJACENT TO EXISTING GYM. DUE TO PROXIMITY OF THE EXISTING GYM WITH RESPECT TO THE NEW POOL, IT IS RECOMMENDED FOR THE NEW POOL TO BE RECONNECTED TO THE EXISTING GYM. THE EXISTING ELECTRICAL DISTRIBUTION SIZE AND LOADS FOR THE EXISTING GYM WILL NEED TO BE ASSESSED FURTHER TO DETERMINE THE GYM'S AVAILABLE CAPACITY. ALTERNATIVELY, WHERE THE GYM'S AVAILABLE CAPACITY WILL NOT BE SUFFICIENT TO SUBFEED THE NEW POOL LOADS, THE A NEW SERVICE WILL SUBFEED DISTIBUION EQUIPMENT DEDICATED FOR THE NEW POOL.

GENERAL NOTES:

- A. REVIEW PROJECT RECORD DOCUMENTS OF EXISTING CONSTRUCTION OR OTHER EXISTING CONDITION AND HAZARDOUS MATERIAL INFORMATION PROVIDED BY OWNER. OWNER DOES NOT GUARANTEE THAT EXISTING CONDITIONS ARE SAME AS THOSE INDICATED IN PROJECT RECORD DOCUMENTS.
- B. SURVEY OF EXISTING CONDITIONS: RECORD EXISTING CONDITIONS BY USE OF MEASURED DRAWINGS, PRECONSTRUCTION PHOTOGRAPHS OR VIDEO AND TEMPLATES.
 - 1. INVENTORY AND RECORD THE CONDITION OF ITEMS TO BE REMOVED AND SALVAGED. PROVIDE PHOTOGRAPHS OR VIDEO OF CONDITIONS THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY SALVAGE OPERATIONS.
 - 2. TRACE EXISTING CIRCUITS, RACEWAYS AND BOXES TO DETERMINE THAT REMOVAL WILL NOT AFFECT ANY AREAS INDICATED AS SALVAGED OR TO REMAIN. DO NOT PROCEED WITH DEMOLITION UNTIL SURVEY HAS BEEN COMPLETED.
- C. BEFORE SELECTIVE DEMOLITION OR REMOVAL OF EXISTING BUILDING ELEMENTS THAT WILL BE REPRODUCED OR DUPLICATED IN FINAL WORK, MAKE PERMANENT RECORD OF MEASUREMENTS, MATERIALS, AND CONSTRUCTION DETAILS REQUIRED TO MAKE EXACT REPRODUCTION.
- D. PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION. WHEN PERMITTED BY ARCHITECT, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION DURING SELECTIVE DEMOLITION AND CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS AFTER SELECTIVE DEMOLITION OPERATIONS ARE COMPLETE.
- E. DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS:
 - 1. PROCEED WITH SELECTIVE DEMOLITION SYSTEMATICALLY, FROM HIGHER TO LOWER LEVEL. COMPLETE SELECTIVE DEMOLITION OPERATIONS ABOVE EACH FLOOR OR TIER BEFORE DISTURBING SUPPORTING MEMBERS ON THE NEXT LOWER LEVEL.
 - 2. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. USE HAND TOOLS OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING. TEMPORARILY COVER OPENINGS TO REMAIN.
 - 3. CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES TO AVOID MARRING EXISTING FINISHED SURFACES.
 - 4. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. AT CONCEALED SPACES, SUCH AS DUCT AND PIPE INTERIORS, VERIFY CONDITION AND CONTENTS OF HIDDEN SPACE BEFORE STARTING FLAME-CUTTING
 - 5. OPERATIONS. MAINTAIN PORTABLE FIRE-SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS.
 - 6. MAINTAIN FIRE WATCH DURING AND FOR AT LEAST <INSERT NUMBER> HOURS AFTER FLAME-CUTTING OPERATIONS.
- REMOVE CONDUCTORS BACK TO SOURCE OR FIRST DOWNSTREAM DEVICE TO REMAIN. RACEWAYS PENETRATING EXISTING STRUCTURE TO REMAIN SHALL BE CUT FLUSH WITH STRUCTURE AND AREA PREPARED FOR REFINISHING TO MATCH EXISTING SURFACES.
- EXISTING SERVICES/SYSTEMS TO BE REMOVED, RELOCATED, OR ABANDONED: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF UTILITY SERVICES AND ELECTRICAL SYSTEMS SERVING AREAS TO BE SELECTIVELY DEMOLISHED.
- ARRANGE AND SCHEDULE TO SHUT OFF INDICATED SERVICES/SYSTEMS WITH OWNER A MINIMUM OF 5 DAYS PRIOR TO COMMENCING WORK. DO NOT COMMENCE WORK WITH OUT WRITTEN CONFIRMATION THAT SERVICES HAVE BEEN DEENERGIZED.
- ARRANGE TO SHUT OFF UTILITIES WITH UTILITY COMPANIES.
- H. IF SERVICES/SYSTEMS ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, PROVIDE TEMPORARY SERVICES/SYSTEMS THAT BYPASS AREA OF SELECTIVE DEMOLITION AND THAT MAINTAIN CONTINUITY OF SERVICES/SYSTEMS TO OTHER PARTS OF BUILDING.
- I.

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ISSUES	DATE
ARB RESUBMITTAL #1	07.01.2019

REVISION LIST	DATE
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CASTILLEJA SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 03.29.2019

SCALE: 1/32" = 1'-0"

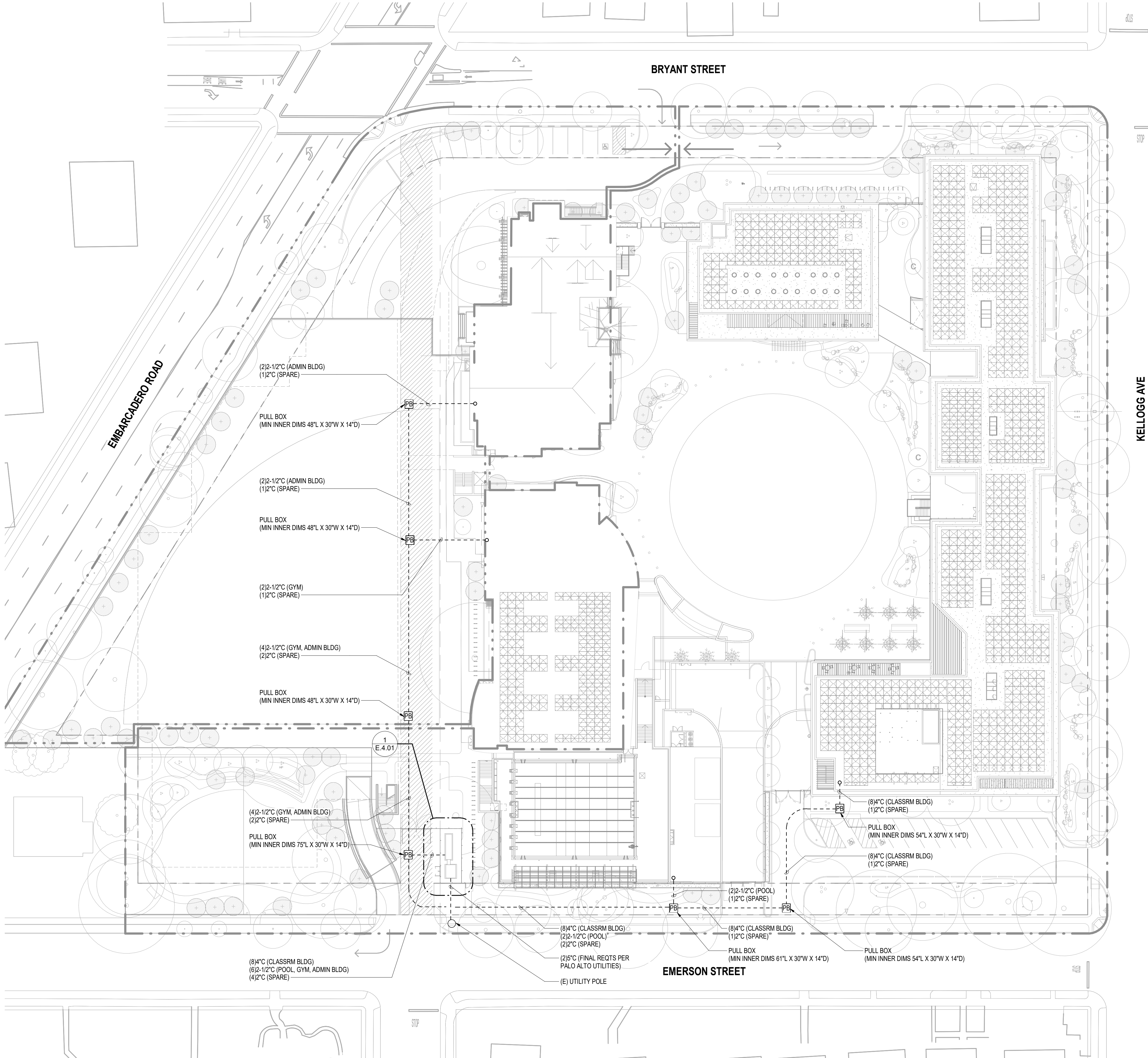
SHEET TITLE:

ELECTRICAL SITE DEMOLITION PLAN

SHEET NO:

ED.1.01

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GENERAL NOTES:

- COORDINATE CONDUIT TRENCHING WITH OTHER DISCIPLINES TO AVOID CONFLICT. COORDINATE EXACT ROUTING OF UNDERGROUND INFRASTRUCTURE WITH CIVIL DRAWINGS. PROVIDE ADDITIONAL SPLICE /PULL BOXES AS REQUIRED IF CONDUIT BENDS EXCEED THREE 90 DEGREE BENDS (270 DEGREES TOTAL).
- LOCATE PULL BOXES IN PLANTERS WHEREVER POSSIBLE. COORDINATE EXACT PULL BOX LOCATIONS WITH LANDSCAPING. PROVIDE TRAFFIC LID WHERE REQUIRED. PULL BOX SIZES SHOWN ARE SIZED FOR STRAIGHT PULL ONLY AND ARE RECOMMENDATIONS AND FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL SIZE PER CEC ARTICLE 314. AVOID CULVERTS.
- PROVIDE SEPARATE PULL BOXES FOR POWER AND COMMUNICATIONS CONDUIT. LABEL IN GRADE POWER PULL BOXES AS "ELECTRICAL." LABEL IN GRADE COMMUNICATIONS PULL BOXES AS "SIGNAL." SEE FIRE ALARM AND TELECOMMUNICATIONS DRAWINGS FOR ADDITIONAL SITE PATHWAY REQUIREMENTS.
- CAUTION: EXISTING UNDERGROUND UTILITIES AND STRUCTURES ARE KNOWN TO EXIST ON THE PROJECT SITE. CONTRACTOR TO MAKE USE OF ALL CONSTRUCTION DOCUMENTS TO ASSIST IN LOCATING THE UNDERGROUND UTILITIES AND STRUCTURES. NO REPRESENTATION AS TO ACCURACY OR COMPLETENESS OF THE LOCATION OF THE UNDERGROUND UTILITIES OR STRUCTURES EXISTS.
- CONTRACTOR TO EXERCISE PRECAUTIONARY MEANS INCLUDING HAND DIGGING OR VACUUM EXCAVATION TO PROTECT THE EXISTING UTILITIES AND STRUCTURES. WHERE EXACT LOCATIONS OF UTILITIES AND STRUCTURES CAN NOT BE DETERMINED HAND OR VACUUM EXCAVATION WILL BE REQUIRED.
- MINIMUM CONDUCTOR SIZE FOR SITE LIGHTING AND SITE RECEPTACLES SHALL BE #10 INCLUDING NEUTRAL CONDUCTOR.
- PROVISIONS SHALL BE MADE TO DISCONNECT EXISTING SERVICE EQUIPMENT AND RECONNECT NEW SERVICE EQUIPMENT WITH MINIMAL POWER DISRUPTION.
- INSTALLATION OF UTILITY SERVICE CONDUITS, GROUNDING, ETC., SHALL BE VERIFIED AND COORDINATED WITH PALO ALTO UTILITY RULES, REGULATIONS, AND STANDARDS. THE PROPOSED UTILITY SERVICE FEEDER ROUTING AND SIZE ARE SUBJECT TO PG&E ENGINEERING, REVIEW, AND APPROVAL AT THE TIME OF ISSUANCE OF THESE DOCUMENTS. PALO ALTO UTILITY ENGINEERING HAS NOT BEEN COMPLETED. CONTRACTOR SHALL COORDINATE AND VERIFY REQUIREMENTS FOR THE PROJECT WITH PALO ALTO UTILITY PRIOR TO COMMENCEMENT OF WORK.

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ARB RESUBMITTAL #1	07.01.2019

REVISION LIST	DATE
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CASTILLEJA SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 03.29.2019

SCALE: 1/32" = 1'-0"

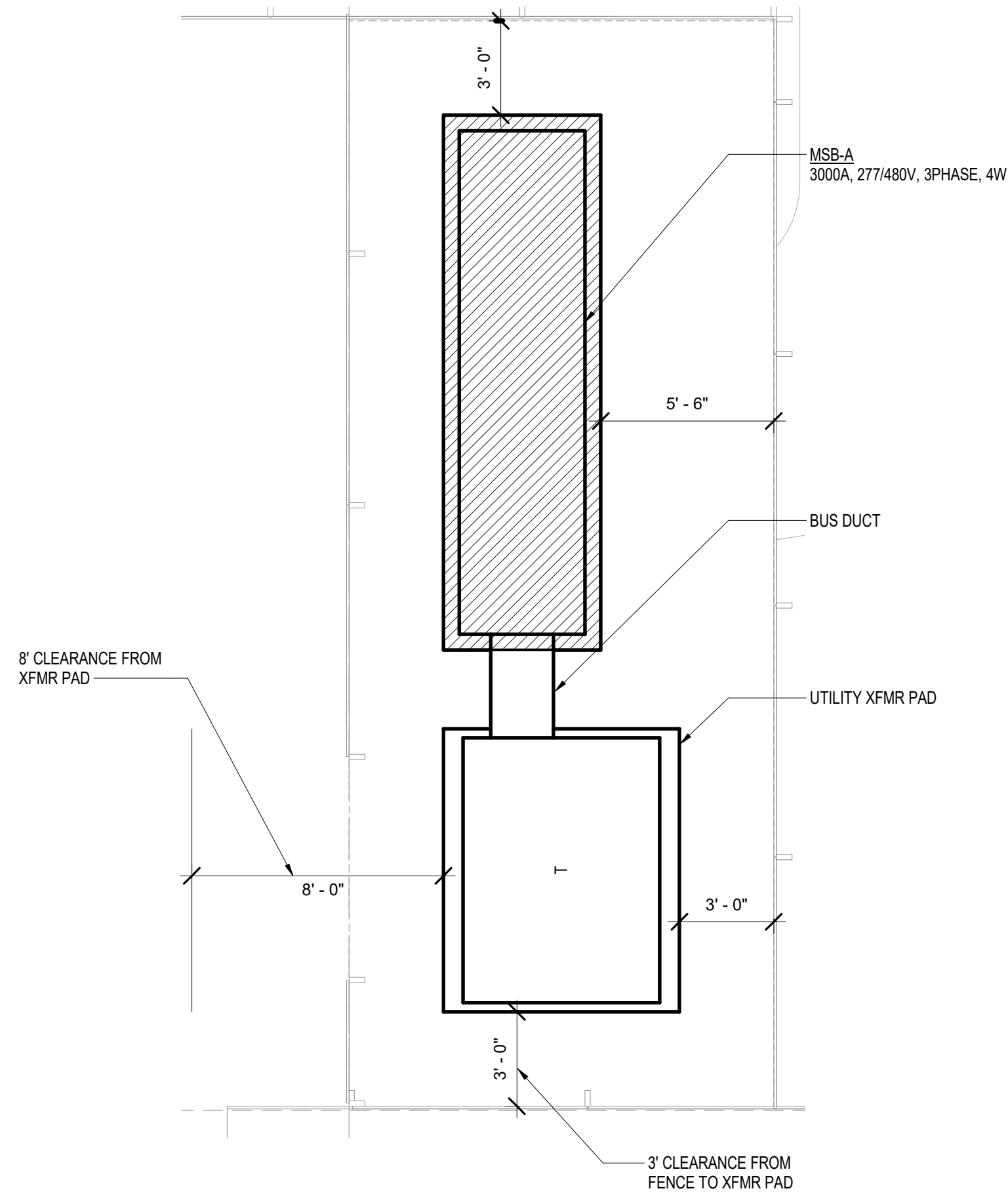
SHEET TITLE:

SITE PLAN - ELECTRICAL

SHEET NO:

E.1.01

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1 ENLARGED SITE ELECTRICAL UTILITY PLAN MAIN SWBD A - ARB
1/4" = 1'-0"

ISSUES	DATE
ARB RESUBMITTAL #1	07.01.2019

#	REVISION LIST	DATE
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CASTILLEJA
SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 03.29.2019

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

SHEET TITLE:

ENLARGED PLANS -
ELECTRICAL

SHEET NO:

E.4.01

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COPPER ELECTRICAL FEEDER TABLE											
3 WIRE + GROUND						4 WIRE + GROUND					
FEEDER CODE	CONDUIT	PHASE	NEUTRAL	EQUIP GR GUND	ISOLATED GROUND	FEEDER CODE	CONDUIT	PHASE	NEUTRAL	EQUIP GR GUND	ISOLATED GROUND
F320	(1)3/4	3#12	-	1#12	-	F420	(1)3/4	3#12	1#12	1#12	-
F330	(1)3/4	3#10	-	1#10	-	F430	(1)3/4	3#10	1#10	1#10	-
F340	(1)1	3#8	-	1#10	-	F440	(1)1	3#8	1#8	1#10	-
F350	(1)1	3#6	-	1#8	-	F450	(1)1 1/4	3#6	1#6	1#8	-
F370	(1)1 1/4	3#4	-	1#6	-	F470	(1)1 1/4	3#4	1#4	1#6	-
F390	(1)1 1/4	3#2	-	1#6	-	F490	(1)1 1/2	3#2	1#2	1#6	-
F3125	(1)1 1/2	3#1	-	1#6	-	F4125	(1)2	3#1	1#1	1#6	-
F3150	(1)1 1/2	3#10	-	1#6	-	F4150	(1)2	3#10	1#10	1#6	-
F3175	(1)2	3#30	-	1#6	-	F4175	(1)2	3#20	1#20	1#6	-
F3200	(1)2	3#30	-	1#6	-	F4200	(1)2 1/2	3#30	1#30	1#6	-
F3225	(1)2	3#40	-	1#4	-	F4225	(1)2 1/2	3#40	1#40	1#4	-
F3250	(1)2 1/2	3#250	-	1#4	-	F4250	(1)3	3#250	1#250	1#4	-
F3300	(1)3	3#350	-	1#4	-	F4300	(1)3	3#350	1#350	1#4	-
F3350	(1)4	3#500	-	1#2	-	F4350	(1)4	3#500	1#500	1#2	-
F3400	(2)2	6#30	-	2#2	-	F4400	(2)2 1/2	6#30	2#30	2#2	-
F3450	(2)2 1/2	6#40	-	2#1	-	F4450	(2)2 1/2	6#40	2#40	2#1	-
F3500	(2)2 1/2	6#250	-	2#1	-	F4500	(2)3	6#250	2#250	2#1	-
F3600	(2)3	6#300	-	2#1	-	F4600	(2)3	6#350	2#350	2#1	-
F3700	(2)3	6#500	-	2#10	-	F4700	(2)4	6#500	2#500	2#10	-
F3800	(3)3	6#350	-	3#10	-	F4800	(3)3	6#350	3#350	3#10	-
F31000	(3)4	6#500	-	3#20	-	F41000	(3)4	6#500	3#500	3#20	-
F31200	(4)3	12#350	-	4#30	-	F41200	(4)3	12#350	4#350	4#30	-
F31500	(5)3	15#350	-	4#40	-	F41500	(5)3	15#350	5#350	4#40	-
F31600	(5)3	15#500	-	5#40	-	F41600	(5)3 1/2	15#500	5#500	5#40	-
						F43000	(8)4	24#500	8#400	8#400	-

SUMMARY OF MAXIMUM FEEDER AND BRANCH CIRCUIT LENGTHS												
WIRE (AWG)	CIRCUIT AMPS (A)	MAXIMUM FEEDER LENGTH (ft)					MAXIMUM BRANCH CIRCUIT LENGTH (ft)					
		120V	208V	240V	277V	480V	120V	208V	240V	277V	480V	
14	12	39	67	78	90	156	58	101	117	135	233	
12	16	46	80	93	107	185	69	120	139	160	278	
10	24	48	83	96	111	192	72	125	144	166	286	
8	32	57	99	115	132	229	86	149	172	199	344	
6	40	73	127	146	169	293	110	190	220	253	439	
4	52	89	154	178	206	356	134	232	267	309	535	
2	72	103	178	206	237	412	154	267	309	356	617	
0	96	123	212	245	283	490	184	319	368	424	735	
00	108	137	238	274	317	549	206	357	412	475	823	
0000	144	163	283	327	377	654	245	425	490	566	980	
250	164	170	294	340	392	679	255	441	509	588	1019	
300	164	181	314	362	418	725	272	471	543	627	1087	
350	200	195	338	390	450	779	292	506	584	675	1169	
500	248	224	388	448	517	896	336	582	672	776	1344	

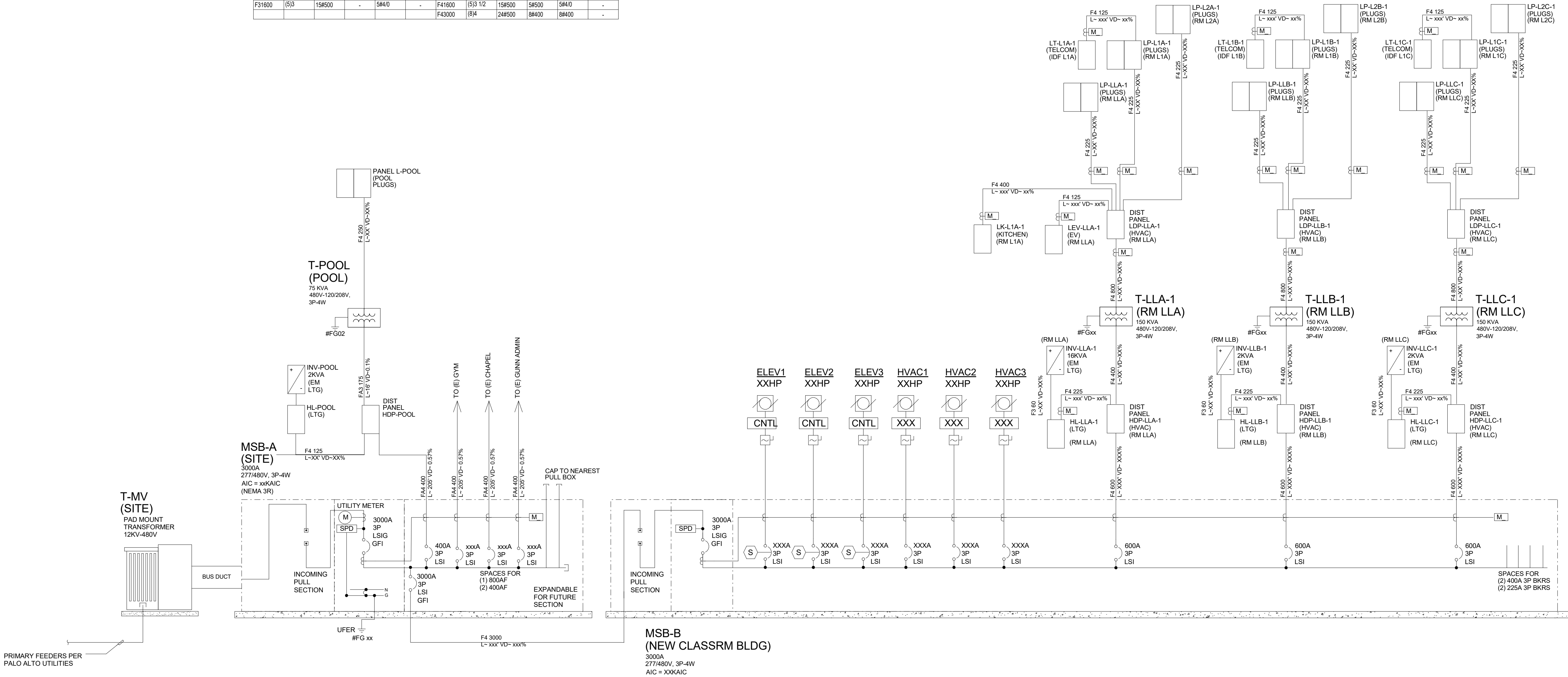
SUMMARY OF VOLT DROP LIMITS			
CIRCUIT VOLTS (V)	2% VOLTAGE DROP (V)	3% VOLTAGE DROP (V)	TOTAL LOSS (V)
120	2.4	3.6	6.0
208	4.2	6.2	10.4
240	4.8	7.2	12.0
277	5.5	8.3	13.9
480	9.6	14.4	24.0

GENERAL NOTES

- A. MAIN SWITCHBOARD AND PANELBOARDS SHALL BE COPPER. TRANSFORMERS SHALL BE COPPER WOUND.
- B. UPS SHOWN SHALL BE RACK MOUNT EQUIPMENT.
- C. PER CEC 240.87, PROVIDE ENERGY REDUCTION MAINTENANCE SWITCH AT EACH BREAKER RATED 1200A OR GREATER. ENERGY REDUCTION MAINTENANCE SWITCH SHALL HAVE LOCAL STATUS INDICATOR TO REDUCE INSTANTANEOUS PICKUP SETTING TO NO MORE THAN TWO TIMES THE SENSOR AMPERAGE.
- D. OUTDOOR DISTRIBUTION EQUIPMENT SHALL BE IN NEMA 3R ENCLOSURE.

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ARB RESUBMITTAL #1	07.01.2019

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CASTILLEJA SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 03.29.2019

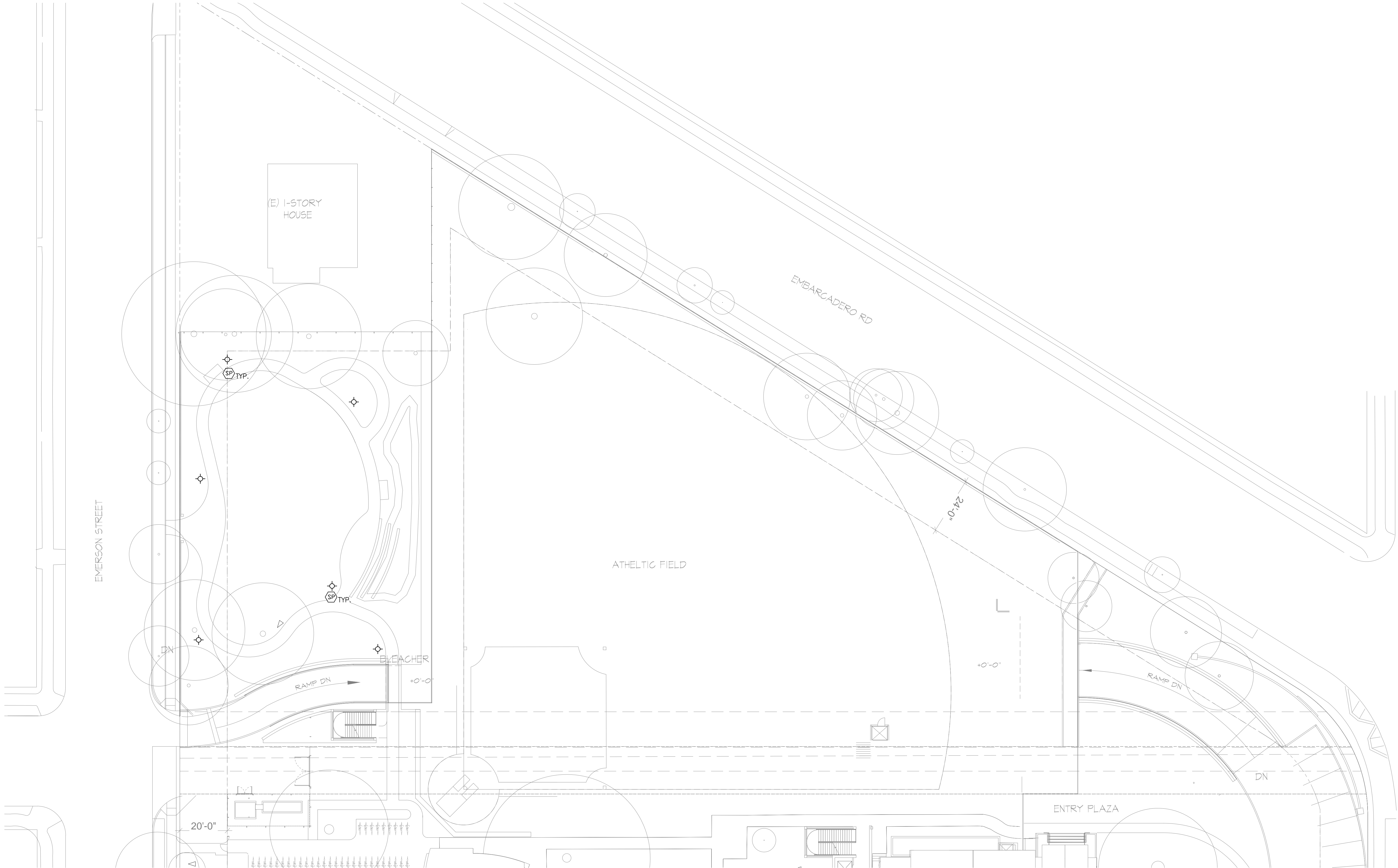
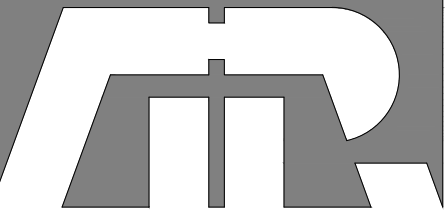
SCALE: 1" = 10'-0"

SHEET TITLE:

SINGLE LINE DIAGRAMS - ELECTRICAL

SHEET NO:

E.5.01



1 GARAGE-A UPPER LEVEL LIGHTING PLAN
SCALE 1" = 20'-0"

LIGHTING FIXTURE SCHEDULE																	
FIXTURE TYPE	FIXTURE										LAMP						
	MFR.	PART NO.	DESCRIPTION	DIMENSIONS	WT.	UL/IP	FINISH COLOR	FINISH TYPE	MATERIAL	MOUNTING	MFR.	PART NO.	QTY.	CCT	CRI	WATT.	VOLT.
SP	GARDCO	MP17L-32L-450-WW-G2-P12-S-BLA	17" SEMI-SPHERICAL LUMINAIRE LED									LED		3000K	70	47	UNIV



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CASTILLEJA SCHOOL
NEW PARKING GARAGE

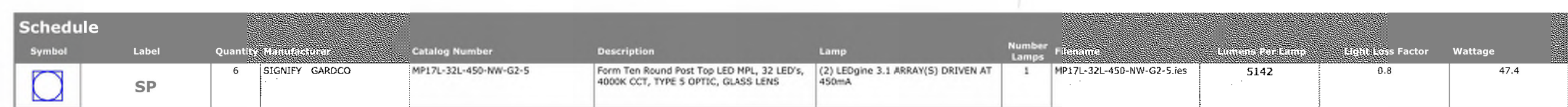
PALO ALTO, CA

Issues and Revisions			
No.	Date	Issues and Revisions	By
	7.1.19	ARB RESUBMITTAL #1	

PHASE 1 -
SITE LIGHTING PLAN

Project Number:	2014A111
Date:	05/01/2019
Scale	AS SHOWN



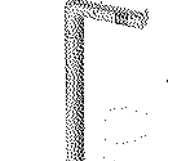
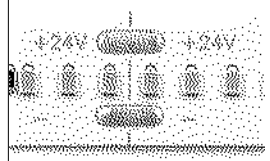
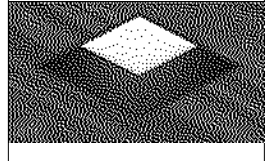
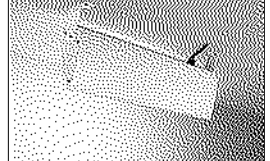
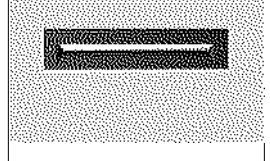
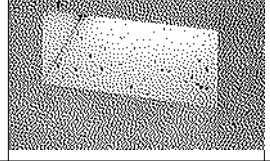
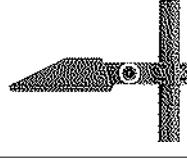
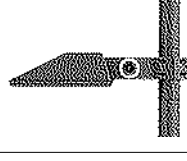
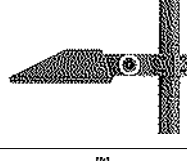
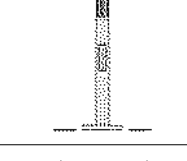
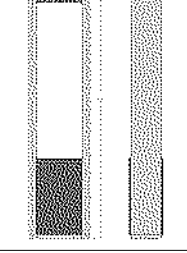
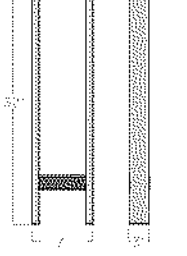
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PARK AREA PHOTOMETRICS PLAN

PHASE 1 -

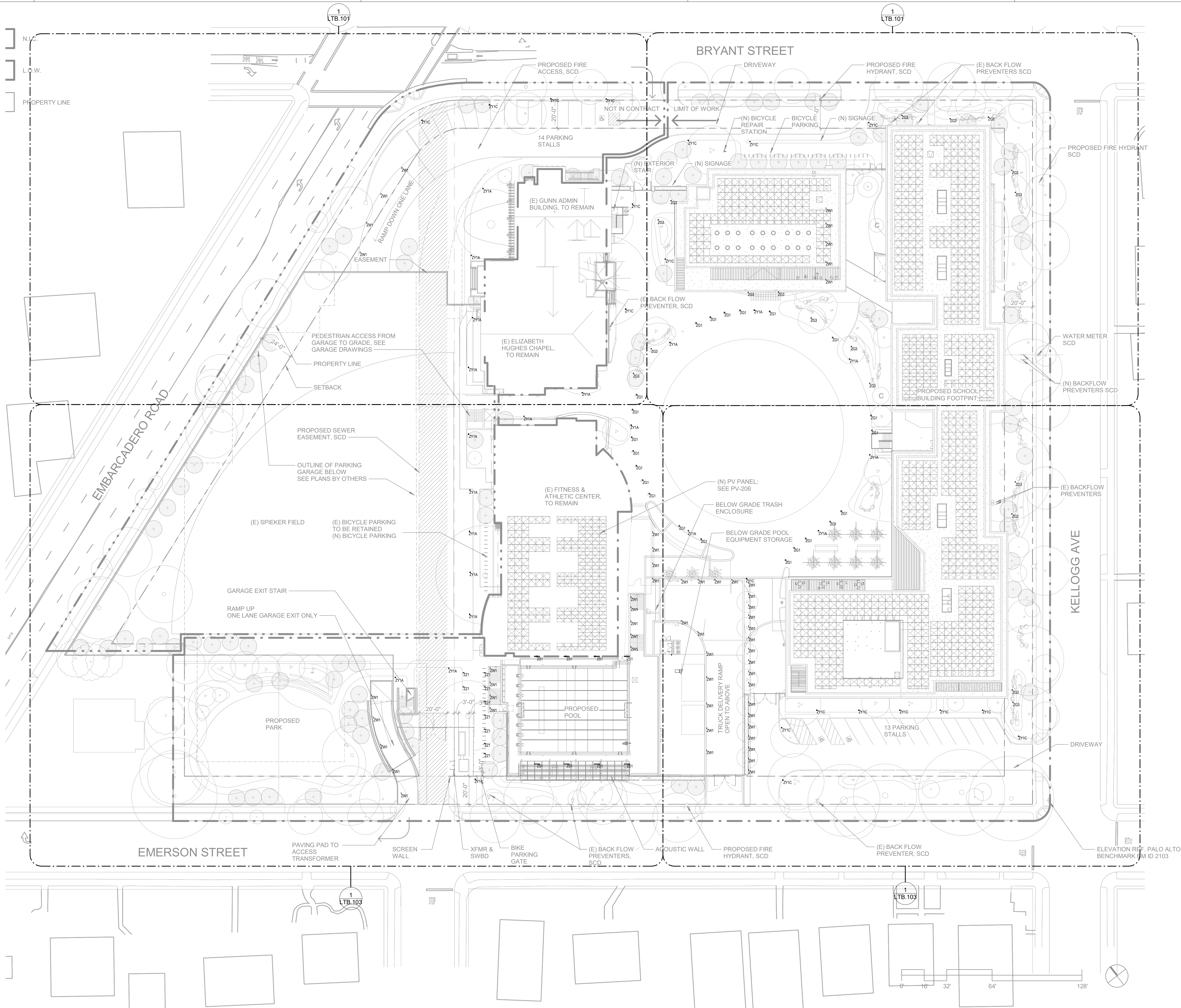
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EXTERIOR LUMINAIRE SCHEDULE															
FIXTURE TAG KEY: Z = EXTERIOR - TO PRECEDE OTHER FIXTURE TAGS - E.G. ZW1 WOULD BE AN EXTERIOR WALL MOUNTED FIXTURE G = GROUND MOUNT; L = LINEAR FIXTURES THAT HAVE VARIABLE LENGTH ON THE PROJECT; P = PENDANT MOUNTED; R = RECESSED; S = SURFACE MOUNTED; T = TRACK OR TRACK HEAD; W = WALL MOUNTED; X = EXIT SIGNS; Y = POLE MOUNTED;															
FIXTURE TAG	IMAGE	INPUT WATTS	VOLTS	DESCRIPTION	MANUFACTURER	LIGHT SOURCE/BUG	COLOR TEMP	CRI	OUTPUT	EFFICACY (LPW)	LED DRIVER	FINISH	LOCATION	ALTERNATES	REMARKS
ZG1		6	277	10-INCH DIAMETER DRIVE-OVER IN GRADE LED (2-WINDOW)	BEGA LIGHTING 77-089	LED	3000K	85	177 LM	30	INTEGRAL 0-10V DIMMING	BLACK	DRIVE COURT	SISTEMALUX - SUIT BK LIGHTING	
ZG2		34	UNV	4-1/2" ROUND DIA. X 9" WIDE WALL WASH LED FLOOD WITH CUTOFF VISOR AND 360 KNUCKLE MOUNTING	BK LIGHTING YOSEMITE	LED	3000K	80+	2630 LM DELIVERED	77	REMOTE 0-10V DIMMING DIM TO 1%	AS PER ARCHITECT	FEATURE SPECIMEN TREES		PROVIDE HONEYCOMB BAFFLE
ZG3		7	12VAC / 277	2" DIA. MINI-MICRO LED FLOOD WITH 360 DEGREE KNUCKLE MOUNT - SOFT FOCUS LENS W/ 45 DEGREE CAP	BK LIGHTING LITESTICK	LED	3000K	90+	350 LM	50	REMOTE BKSSL DRIVER	AS PER ARCHITECT	LANDSCAPE BIOSWALES	HK LIGHTING	PROVIDE POWER PIPE MOUNTING IP66 RATED MAGNETIC TRANSFORMER MAY BE USED
ZR1		3.3 / Ft	24VDC / 277	ENCAPSULATED DIRECT VIEW LED TAPE IP67 EXTERIOR RATED	KELVIX DIRECT VIEW 400	LED	3000K	90+	390 LM / LF	118	REMOTE 0-10V DIMMING DIM TO 10%	AS PER ARCHITECT	RAILINGS	OPTIC ARTS LUMINII	
ZR2		16	277	4-INCH SQUARE LED DOWNLIGHT FOR MILLWORK AS NEEDED	USAI LIGHTING BEVEL LED 2.2	LED	3000K	90+	1075 LM	67	INTEGRAL 0-10V DIMMING DIM TO 10%	AS PER ARCHITECT	SOFFITS CANOPIES		CONFIRM LOCATION OF WOOD SOFFITS - TRIMMED OR TRIMLESS APPLICATION PRIOR TO ORDERING AND INSTALLATION
ZS1		58	277	IP66 RATED YOKE MOUNTED LED SPORT FLOOD	SPI LIGHTING ECHO VELOCITY 3.5	LED	4000K	90+	6500 LM	80	INTEGRAL 0-10V DIMMING DIM TO 10%	WHITE	POOL FLOODS	EPHESUS - ARENA 190	CONFIRM OPTICS PRIOR TO ORDERING
ZW1		11	277	IP65 RATED 12-INCH WIDE LED STEPLIGHT	BEGA 33-055	LED	3000K	90+	480 LM	44	INTEGRAL 0-10V DIMMING DIM TO 10%	BLACK OR AS PER ARCHITECT	PLANTER WALLS STEPS	SITEMALUX LITON	
ZW2		12	277	IP65 RATED CAST-IN-PLACE VERTICAL LED WEDGE	SISTEMALUX GHOST	LED	3000K	90+	550 LM	46	INTEGRAL 0-10V DIMMING DIM TO 10%	AS PER ARCHITECT	POOL STEPS POOL DECK WALLS		
ZY1A		24	277	IP66 RATED TYPE III DISTRIBUTION LED POST TOP FLOOD	WE-EF PLF230 LED 660-6324	LED	3000K	80+	2951 LM	122	INTEGRAL 0-10V DIMMING DIM TO 10%	AS PER ARCHITECT	PEDESTRIAN PATHWAYS	BEGA KIM	PROVIDE 18 Ft POLES
ZY1B		24	277	IP66 RATED TYPE III DISTRIBUTION LED POST TOP FLOOD	WE-EF PFL230 LED 660-4324	LED	3000K	80+	2951 LM	122	INTEGRAL 0-10V DIMMING DIM TO 10%	AS PER ARCHITECT	PLAZA AREAS	BEGA KIM	PROVIDE 18 Ft POLES
ZY1C		36	277	IP66 RATED TYPE IV DISTRIBUTION LED POST TOP FLOOD	WE-EF FLA730 LED 683-3427	LED	3000K	80+	7020LM		INTEGRAL 0-10V DIMMING DIM TO 10%	AS PER ARCHITECT	PARKING AISLE	BEGA KIM	PROVIDE 18 Ft POLES PROVIDE HOUSE SIDE SHIELD AS NECESSARY
ZY1 POLE		-	-	6" DIA. ROUND WOOD POLE WITH METAL APRON BASE UP TO 36" MIN.	WE-EF AMW-Z-18-MA	N/A	-	-	-	-	-	WOOD / STEEL BASE	PEDESTRIAN PATHWAYS	BEGA 98-518 STRUCTURA SPAR-1	MAY BE TAPERED POLE ARCHITECT TO CONFIRM PREFERRED POLE HEIGHT WITH LIGHTING DESIGNER PRIOR TO FINAL SELECTION - 18 FT IS ASSUMED
ZZ1A		15	277	36-INCH TALL ILLUMINATED BOLLARD	STRUCTURA DUO BOLLARD	LED	3000K		250 LM		INTEGRAL 0-10V DIMMING DIM TO 10%	AS PER ARCHITECT	BIKE RACKS		PROVIDE 1 BOLLARD IN-BETWEEN EVERY 5 BIKE RACKS
ZZ1		-	-	BIKE RACK AS PER ARCHITECT CUTHSEET PROVIDED FOR REVIEW	STRUCTURA DUO BIKE RACK	-	-	-	-	-	-	WOOD / STEEL BASE	BIKE RACKS		

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CASTILLEJA SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 07.01.2019

SCALE: 1/32" = 1'-0"

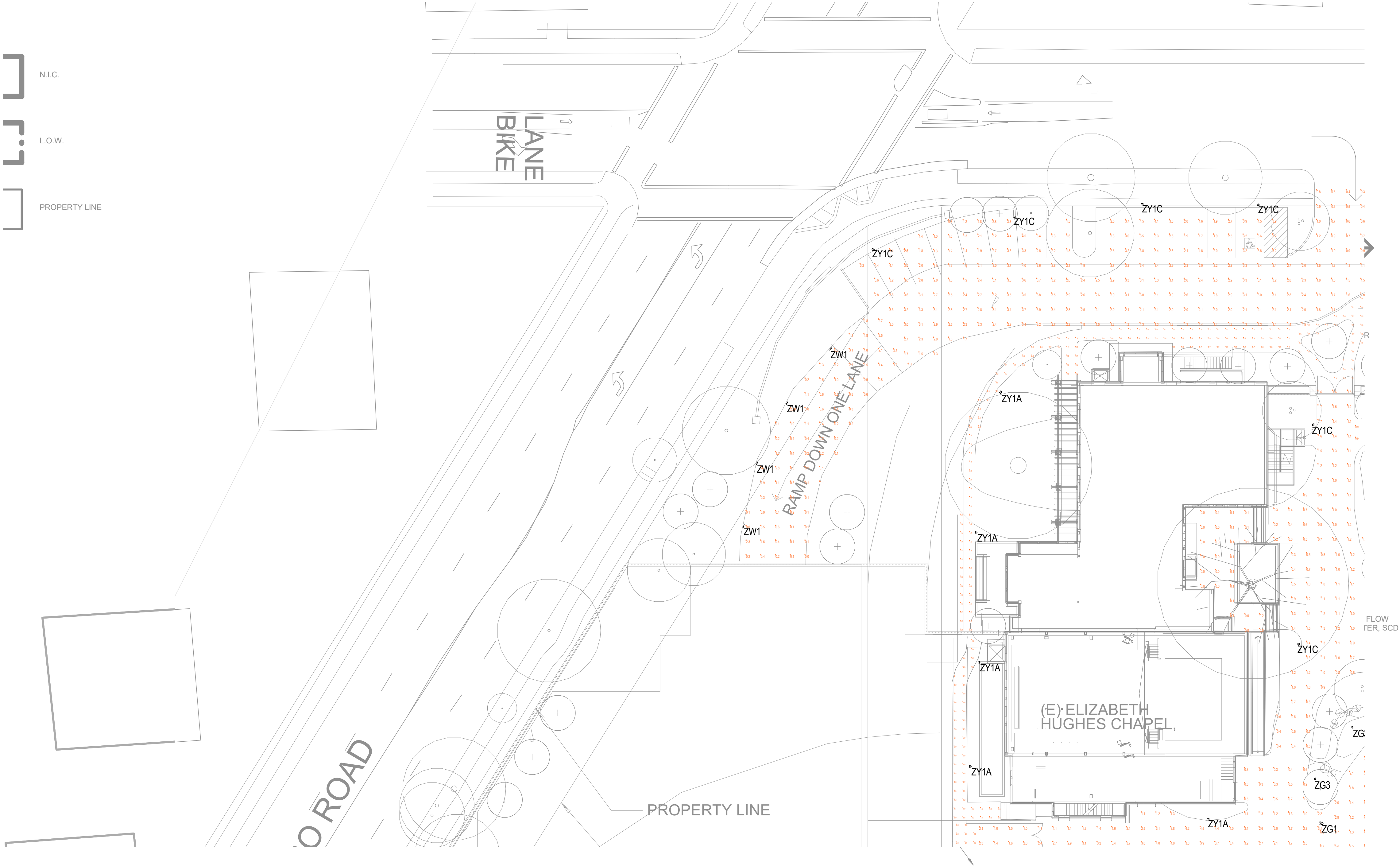
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PHASES 3 & 4 - SITE
PLAN - LIGHTING

SHEET NO:

LTB.100

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CASTILLEJA SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

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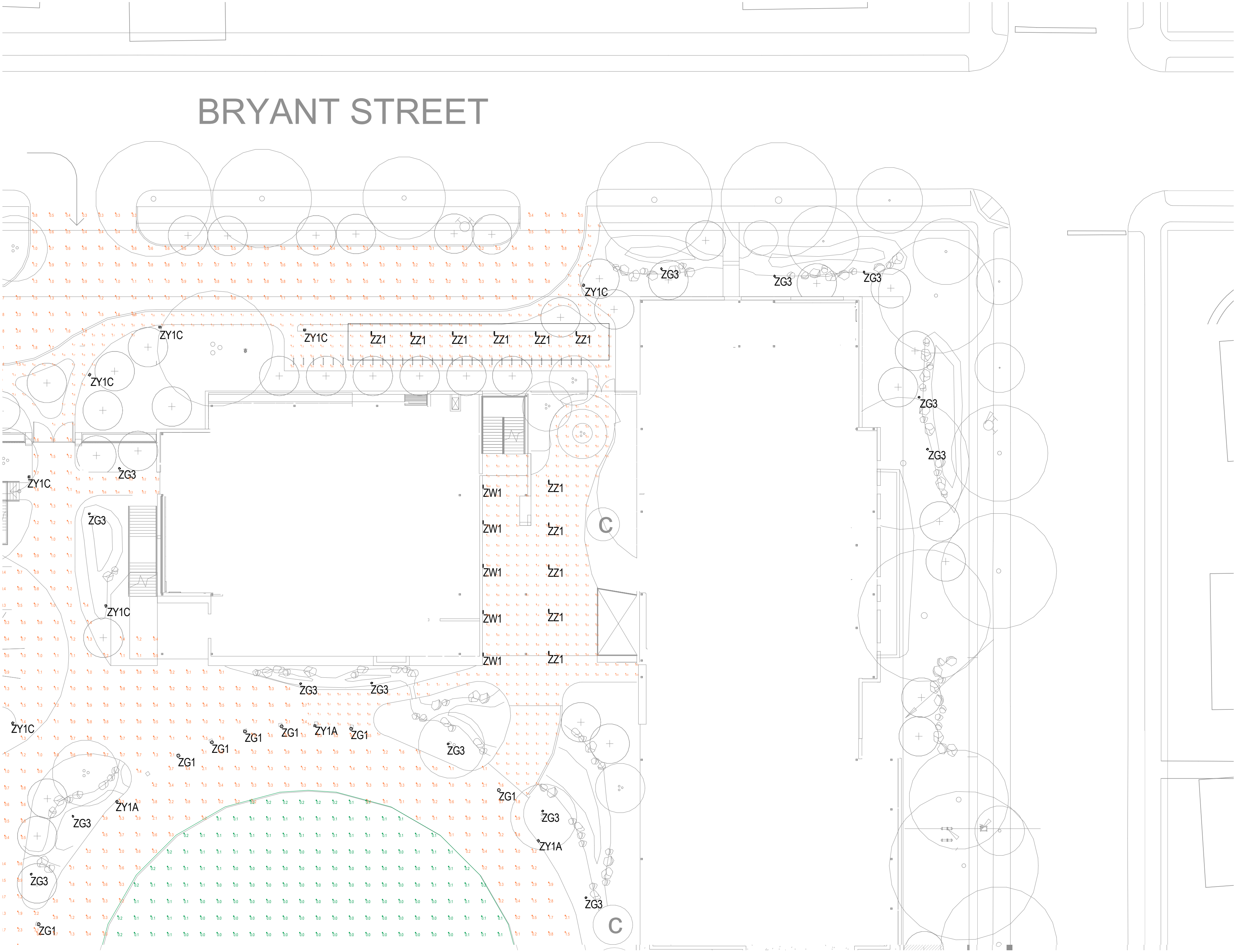
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PHASES 3 & 4 - SITE
PLAN - LIGHTING AREA A

SHEET NO:

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1 SITE PLAN - LIGHTING AREA B
1" = 20'-0"

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CASTILLEJA
SCHOOL

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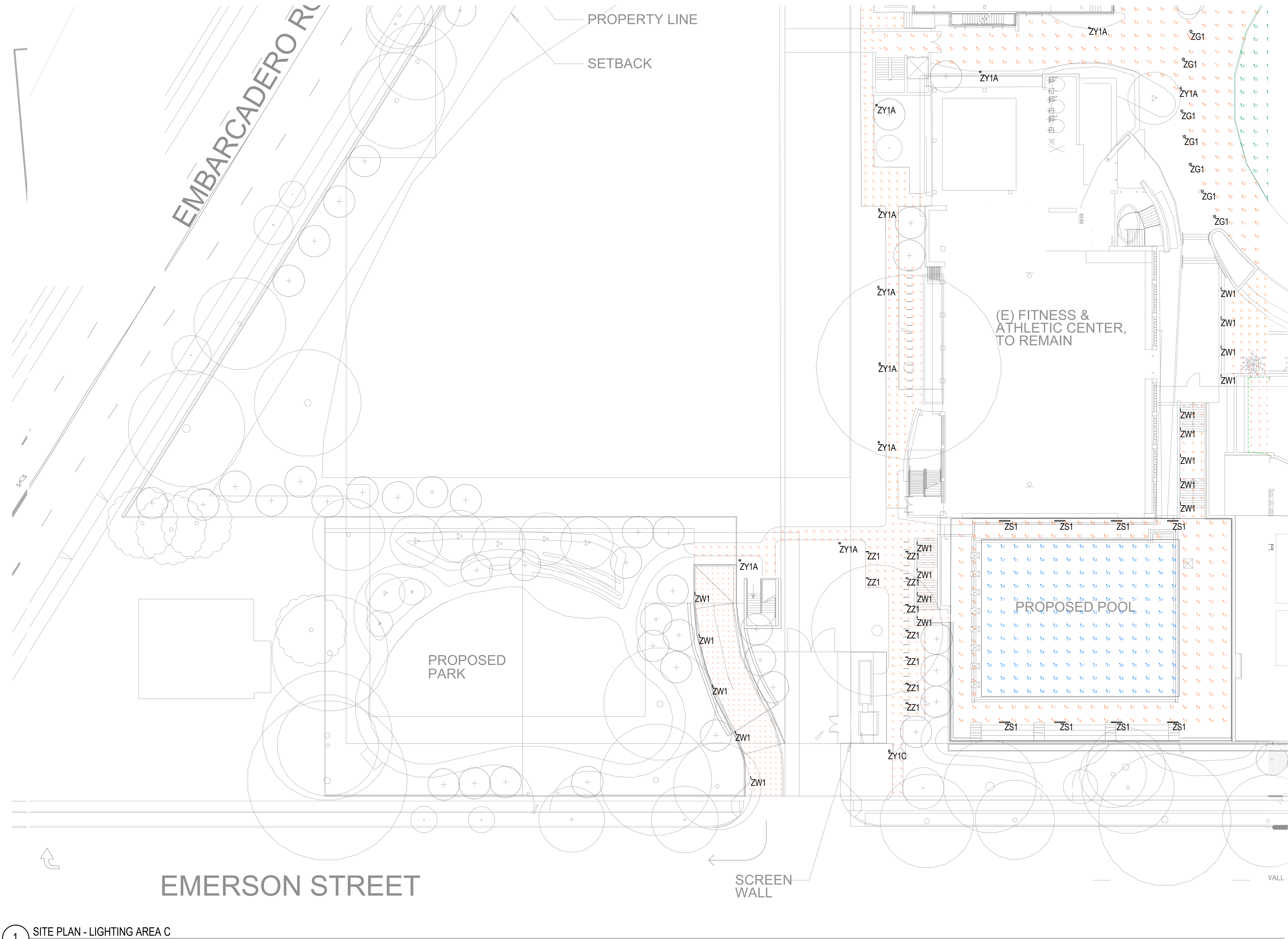
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PHASES 3 & 4 - SITE
PLAN - LIGHTING AREA B

SHEET NO:

LTB.102

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1 SITE PLAN - LIGHTING AREA C
1" = 20'-0"

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CASTILLEJA
SCHOOL

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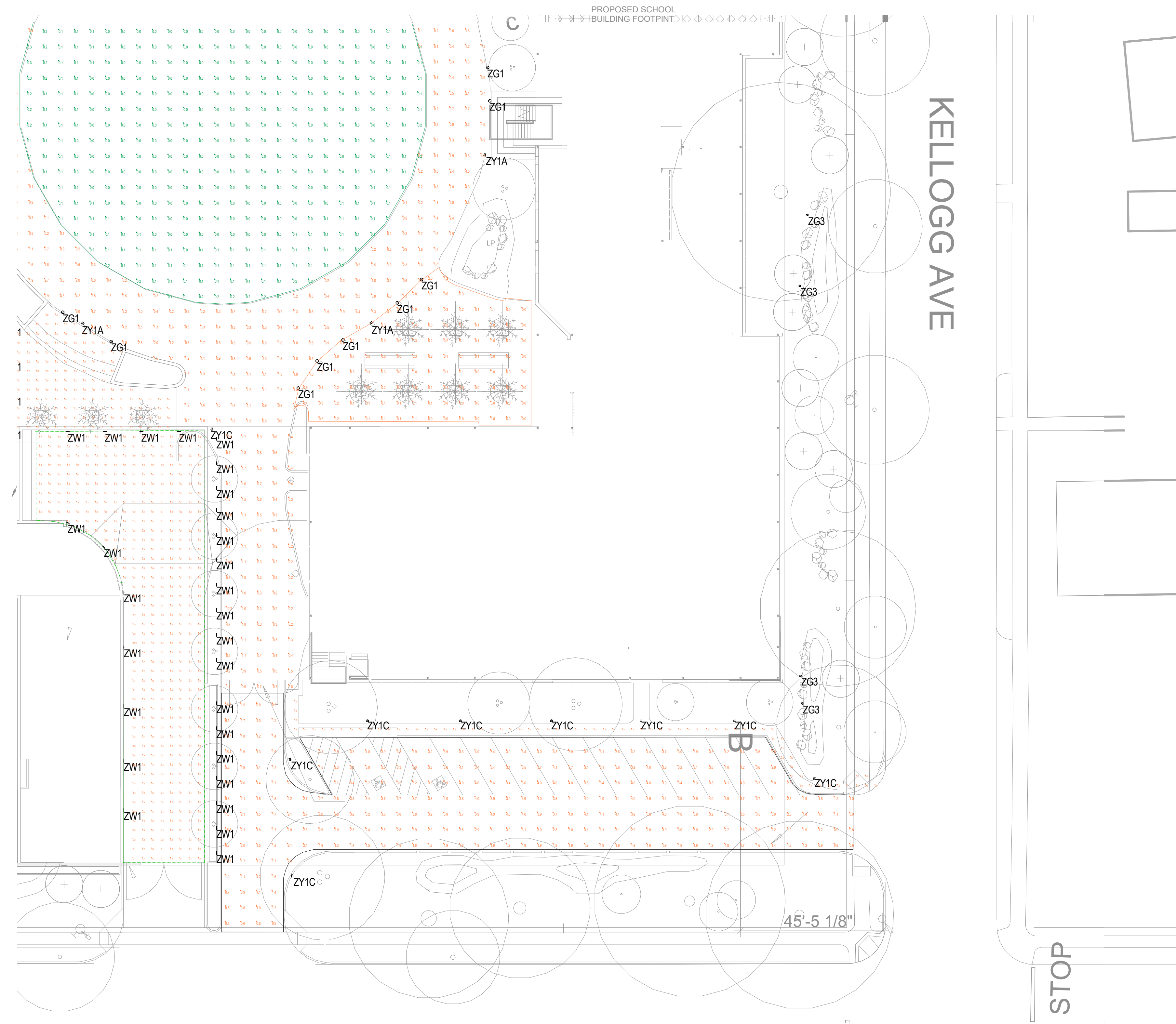
SHEET TITLE:

PHASES 3 & 4 - SITE
PLAN - LIGHTING AREA C

SHEET NO:

LTB.103

6/27/2019 11:21:35 AM



1 SITE PLAN - LIGHTING AREA D
1" = 20'-0"

ISSUES	DATE
ARB RESUBMITTAL #1	07.01.2019

#	REVISION LIST	DATE
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CASTILLEJA
SCHOOL

1310 Bryant St, Palo Alto, CA 94301

KEYPLAN

PROJECT NO.: 18043.00

DATE: 07.01.2019

SCALE: 1" = 20'-0"

SHEET TITLE:

PHASES 3 & 4 - SITE
PLAN - LIGHTING AREA D

SHEET NO:

LTB.104