

ADDENDUM # 1

DATE: 6 February 2025

PROJECT NAME: **VENTURE ACADEMY WELLNESS CENTER T.I.**
2829 Transworld Drive
Stockton, CA

PROJECT NUMBER: 899-32-24

ATTENTION: All Plan Holders

BY: Michael Loureiro



This Addendum to the above-captioned project supersedes and supplements all portions of the bidding documents with which it conflicts. This Addendum is to become part of the bidding documents as originally issued. Each trade shall review the entire Addendum, including work of other trades, for revisions or clarifications regarding their own work.

THIS ADDENDUM MODIFIES THE FOLLOWING:

DRAWINGS CALCULATIONS SPECIFICATIONS DESIGN CHANGE

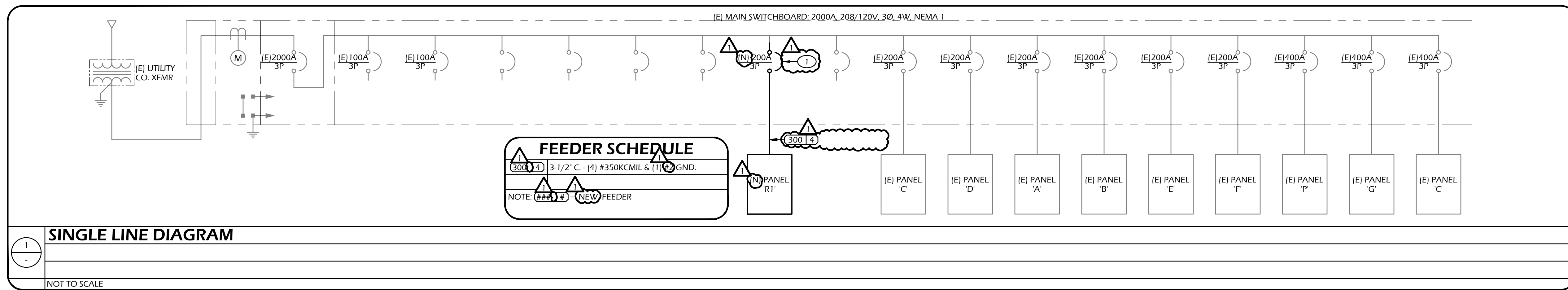
DESCRIPTION:

A. ALTERED ITEMS:

1. THE ELECTRICAL PLANS HAVE BEEN MODIFIED TO ADD A NEW R1 PANEL IN THE PROJECT AREA WITH ACCOMPANING SCOPE SINCE THE EXISTING R1 PANEL ON THE ORIGINAL BID PLANS WAS NOT PREVIOUSLY INSTALLED. THIS PLAN CHANGE IS REPRESENTED IN THE CLOUDED DELTA 1 AREAS.
2. THE ELECTRICAL PLANS HAVE BEEN MODIFIED TO ADD A CIRCUIT IN THE NEW R1 PANEL FOR THE VVT TRANSFORMER. THIS PLAN CHANGE IS ALSO REPRESENTED IN THE CLOUDED DELTA 1 AREAS.

B. CLARIFICATION ITEMS:

1. THE MECHANICAL AND PLUMBING DRAWINGS ARE AT THE END OF THE COMBINED PROJECT MANUAL, STARTING AT PAGE 131.
2. THE EXISTING RESTROOM PARTITIONS ARE TO BE REMOVED AND THE MANUFACTURER IS UNKNOWN. SJCOE'S RECENT RESTROOM BUILDS HAVE USED HADRIAN POWDER-COATED PARTITIONS.
3. THERE HAS NOT BEEN TESTING TO CONFIRM, BUT THE DESIGN TEAM BELIEVES THAT THE EXISTING FLOOR TILE IN THE RESTROOM IS INSTALLED ON SLAB ON GRADE CONCRETE, NOT A MORTAR BED.
4. THERE IS NO BID BOND REQUIRED FOR THIS PROJECT. SEPARATE PAYMENT AND PERFORMANCE BONDS IN AN AMOUNT EQUAL TO 100% OF THE TOTAL CONTRACT AMOUNT ARE REQUIRED.



TYPE	LIGHTS	MANUFACTURER AND MODEL	LAMPS	REMARKS	WATTS	LBS
A1		DAY-BRITE #2EVL48LH840-4-R-UNV-DIM-TAP	LED	2-FT. x 4-FT., 4,800 LUMENS (NOMINAL) LED FIXTURE RECESS MOUNTED IN A T-BAR CEILING. FIXTURE SHALL HAVE CONTINUOUS 0-10V DIMMING DRIVER AND EMERGENCY DRIVER AT EMERGENCY FIXTURE LOCATIONS INDICATED ON LIGHTING PLAN.	36	22
A2		DAY-BRITE #2EVL38LH840-4-R-UNV-DIM-TAP	LED	2-FT. x 4-FT., 3,800 LUMENS (NOMINAL) LED FIXTURE RECESS MOUNTED IN A T-BAR CEILING. FIXTURE SHALL HAVE CONTINUOUS 0-10V DIMMING DRIVER AND EMERGENCY DRIVER AT EMERGENCY FIXTURE LOCATIONS INDICATED ON LIGHTING PLAN.	27	22
B2		DAY-BRITE #2EVL30LB840-2-R-UNV-DIM-TAP	LED	2-FT. x 2-FT., 3,000 LUMENS (NOMINAL) LED FIXTURE RECESS MOUNTED IN A T-BAR CEILING. FIXTURE SHALL HAVE CONTINUOUS 0-10V DIMMING DRIVER AND EMERGENCY DRIVER AT EMERGENCY FIXTURE LOCATIONS INDICATED ON LIGHTING PLAN.	25	14
R1		H.E. WILLIAMS #AVX-4-L36-840-CP-UNV	LED	11-IN. x 4-FT., 3,677 LUMEN (NOMINAL) LED FIXTURE SURFACE MOUNTED ON A HARD CEILING. FIXTURE SHALL HAVE EMERGENCY DRIVER AT EMERGENCY FIXTURE LOCATIONS INDICATED ON LIGHTING PLAN.	31	15
W1		H.E. WILLIAMS #SLF-2-L13-840-HIA-UNV	LED	6-IN. x 2-FT., 1,300 LUMEN (NOMINAL), LED FIXTURE WALL MOUNTED.	10.2	10
X		CHLORIDE #CN6GCA1ICTA	LED	UNIVERSAL MOUNTED, EDGE LIT EXIT SIGN WITH CLEAR AND GREEN LETTERS. PROVIDE INDICATING ECHELON ARROWS REQUIRED PER DIRECTION INDICATED. PROVIDE TEST SWITCH, INDICATING LEADS, AND BATTERY PACK WITH INTEGRAL CHARGER. REFER TO FLOOR PLANS FOR WALL OR CEILING MOUNTING LOCATIONS.	5	10

SCHEDULES NOTES

- COORDINATE ALL COLORS WITH OWNER/ARCHITECT PRIOR TO ORDERING. CONTRACTOR SHALL PROVIDE COLOR SAMPLES DURING SUBMITTAL STAGE.
- ALL CLEAR, ACRYLIC, PRISMATIC LENSES ARE TO BE MINIMUM 0.125" PATTERN K12, U.O.N.
- ALL LEADS SHALL HAVE A CRI OF 0.8 AND COLOR TEMPERATURE OF 4000K.
- ALL HALF SHADED FIXTURES SHALL HAVE AN EMERGENCY DRIVER WITH BATTERY BACKUP IN ORDER TO PROVIDE A MINIMUM OF 90 MINUTES OF BACKUP IN THE EVENT OF POWER OUTAGE WITH MINIMUM 1100 LUMEN OUTPUT. THE BATTERY CHARGER SHALL BE CONNECTED TO THE UNSWITCHED SOURCE.
- ALL EXIT LIGHT FIXTURES SHALL BE CONNECTED TO AN UNSWITCHED SOURCE.
- ALL RECESS MOUNTED FIXTURES SHALL COME WITH BAR HANGERS. THE CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING.
- ALL DRIVERS SHALL HAVE LESS THAN 10% THD.
- FIXTURE TYPE IS SHOWN WITHIN MOST FIXTURES.
- PRIOR TO ORDERING FIXTURES REFER TO THE LIGHTING PLAN FOR THE CORRECT VOLTAGES TO BE UTILIZED FOR THE FIXTURES.
- THE SYSTEM DESIGNED HERE IN IS A WATSTOPPER LIGHTING SYSTEM. ALL ROOM CONTROLLERS, NETWORK BRIDGES, OCCUPANCY SENSORS, PHOTO SENSORS, ETC. SHALL BE NETWORKED TOGETHER WITHIN A ROOM. REFER TO TYPICAL DETAILS.

Panel or Device	Distance	Material	Current	Voltage	Phase	Parallel Runs	Wire Size	For segment V _{drop}	%V _{drop}	Total to Device V _{drop}	%V _{drop}
(N) PANEL 'R1'	248.000	Copper	160.000	208	3	1	350KCMIL	2.5301	1.22%	3.4606	1.66%

NAME	CB	WEIGHT(Lb)	W	D	H	MOUNTING	MANUFACTURER
PANEL 'R1'	200A	156	20"	5.75"	50"	SURFACE MOUNTED	SQUARE D OR EQUAL

SHEET NOTES
 PROVIDE AND INSTALL NEW INDICATED CIRCUIT BREAKER AND ALL MOUNTING HARDWARE

VOLTAGE: 208/120V, 3Ø, 4W BUS: 225A MAIN BREAKER: 200A/3P		(N) PANEL 'R1'			BREAKER: 35,000 MOUNTING SURFACE NEMA 1 ENCLOSURE					
CIR #	BKR	LOAD (VA)			DESCRIPTION	DESCRIPTION	LOAD (VA)			CIR #
		PHASE A	PHASE B	PHASE C			PHASE C	PHASE B	PHASE A	
1	20A/1P	0	0	0	SPARE	SPARE	0	0	0	20A/1P
3	↓	0	0	0	↓	↓	0	0	0	↓
5	↓	0	0	0	↓	↓	0	0	0	↓
7	↓	0	0	0	↓	↓	0	0	0	↓
9	↓	0	0	0	↓	↓	0	0	0	↓
11	↓	0	0	0	↓	↓	0	0	0	↓
13	↓	0	0	0	↓	UNISEX RESTROOM	180	180	180	↓
15	↓	100	100	100	VVT TRANSFORMER	DRINKING FOUNTAIN REC	540	540	540	↓
17	↓	0	0	0	SPARE	BOYS RESTROOM	720	720	720	↓
19	↓	720	720	720	OFFICE	HAND DRYER REC.	1440	1440	1440	↓
21	↓	720	720	720	OFFICE	HAND DRYER REC.	1440	1440	1440	↓
23	↓	720	720	720	OFFICE	STOR. & COUNSEL REC.	540	540	540	↓
25	↓	540	540	540	COUNSELING REC.	COUNSELING REC.	720	720	720	↓
27	↓	540	540	540	MEETING ROOM REC.	HALLWAY REC.	720	720	720	↓
29	↓	600	600	600	MEETING RM PROJECTOR	COUNSELOR AREA REC.	360	360	360	↓
31	↓	720	720	720	OFFICE	MEETING ROOM REC.	540	540	540	↓
33	↓	540	540	540	OPEN WELLNESS RM	EXIT LIGHT	20	20	20	↓
35	↓	720	720	720	OFFICE	LIGHTING	967.6	967.6	967.6	↓
37	↓	0	0	0	SPACE	LIGHTING	824	824	824	↓
39	↓	0	0	0	↓	SPACE	0	0	0	↓
41	↓	0	0	0	↓	↓	0	0	0	↓
TOTAL Ø LOADS (VA):		PHASE A	5684	PHASE B	4620	PHASE C	4620			
TOTAL Ø LOADS (A):		PHASE A	47	PHASE B	38	PHASE C	39			
SUB TOTAL LOAD:		14932 VA		41 A						

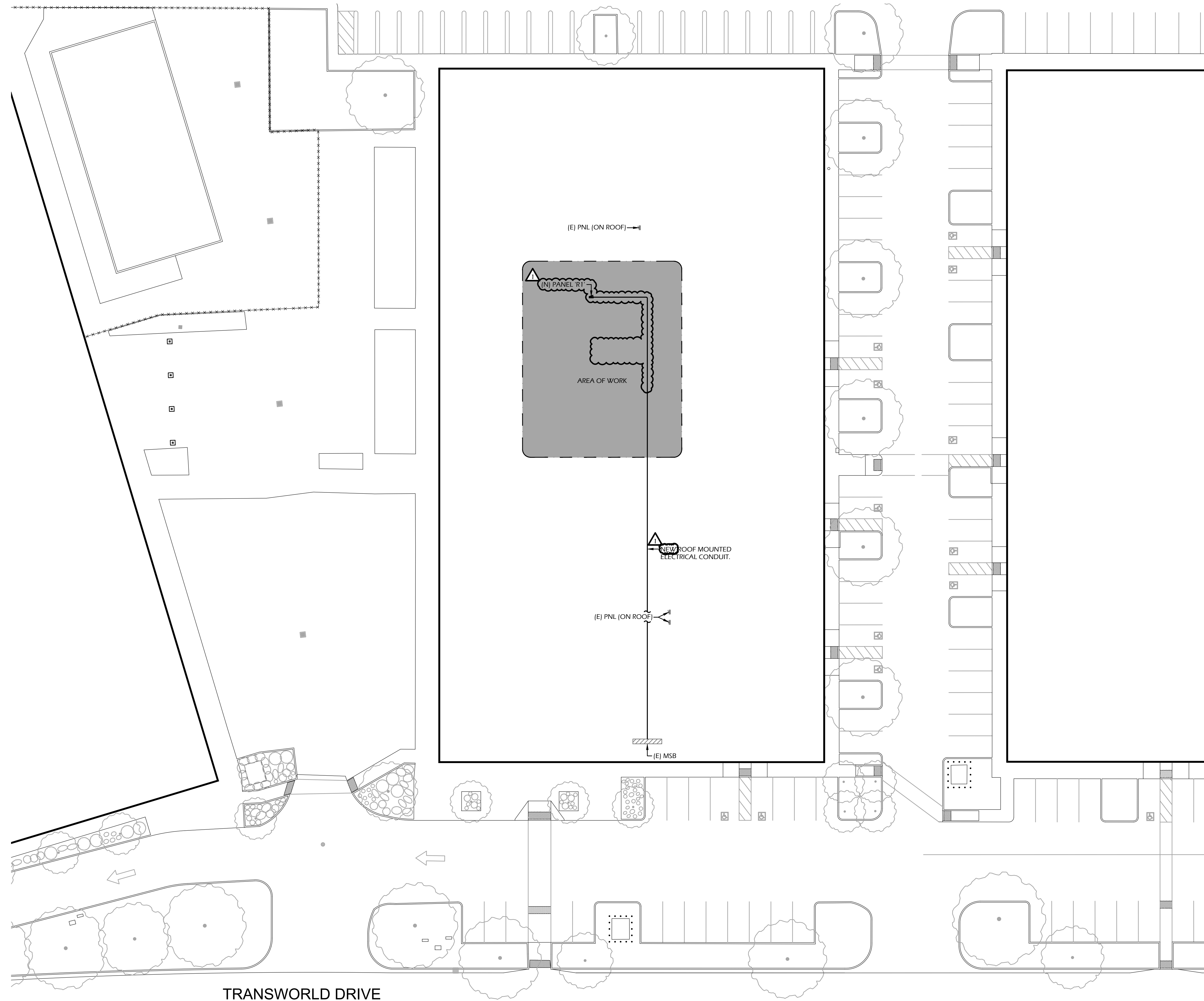
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REVISIONS:	BY:
ADDENDUM #1	HM

PROGRESSIVE DESIGNS
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SINGLE LINE DIAGRAM, PANEL SCHEDULE(S), AND LIGHTING FIXTURE SCHEDULE
VENTURE OFFICE ADDITION FOR SAN JOAQUIN COUNTY OFFICE OF EDUCATION
 2829 TRANSWORLD DRIVE
 STOCKTON, CA

DATE: 08 NOV 24
SCALE: AS NOTED
JOB: 899-32-24
E1.01.02



1
-
OVERALL ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"

REVISIONS:	BY:
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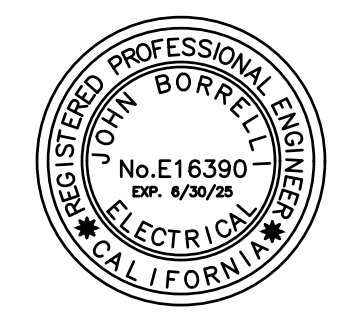
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OVERALL ELECTRICAL SITE PLAN
VENTURE OFFICE ADDITION FOR SAN JOAQUIN COUNTY OFFICE OF EDUCATION
2829 TRANSWORLD DRIVE
STOCKTON, CA

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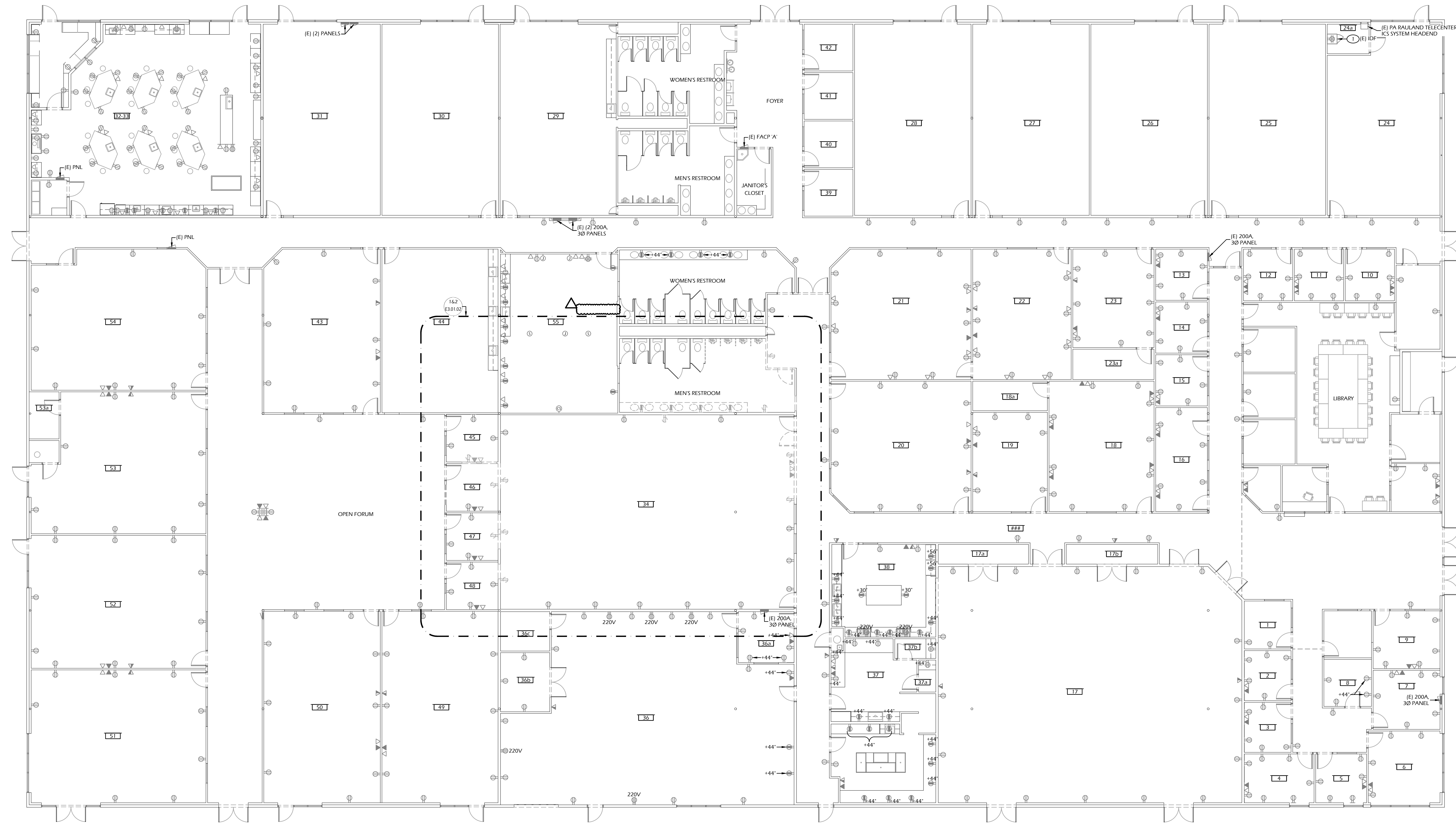
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1 OVERALL EXISTING ELECTRICAL FLOOR PLAN
 SCALE: 1/8"=1'-0"

###	ROOM NAME	###	ROOM NAME	###	ROOM NAME
1	-	24	CLASSROOM	45	OFFICE
2	OFFICE	24a	IDF ROOM	46	STORAGE
3	OFFICE	25	CLASSROOM	47	OFFICE
4	OFFICE	26	CLASSROOM	48	OFFICE
5	OFFICE	27	CLASSROOM	49	CLASSROOM
6	DIRECTOR'S OFFICE	28	CLASSROOM	50	CLASSROOM
7	DIRECTOR'S OFFICE	29	CLASSROOM	51	CLASSROOM
8	WORK ROOM	30	CLASSROOM	52	CLASSROOM
9	DIRECTOR'S OFFICE	31	CLASSROOM	53	CLASSROOM
10	OFFICE	32	SCIENCE LAB	54	CLASSROOM
11	OFFICE	33	SCIENCE LAB	55	CLASSROOM
12	OFFICE	34	ROCK WALL/GYM	56	-
13	OFFICE	35	-	57	-
14	OFFICE	36	METAL/ WOOD SHOP	58	-
15	OFFICE	36a	OFFICE	59	-
16	OFFICE	36b	FINISHING ROOM	60	-
17	AUDITORIUM	36c	STORAGE	61	-
17a	STORAGE	37	DARK ROOM	62	-
17b	STORAGE	37a	-	63	-
18	CLASSROOM	37b	-	64	-
18a	STORAGE	38	KITCHEN	65	-
19	WORKSPACE	39	-	66	-
20	CLASSROOM	40	-	67	-
21	CLASSROOM	41	-	68	-
22	CLASSROOM	42	-	69	-
23	CLASSROOM	43	CLASSROOM	70	-
23a	STORAGE	44	CLASSROOM	71	-

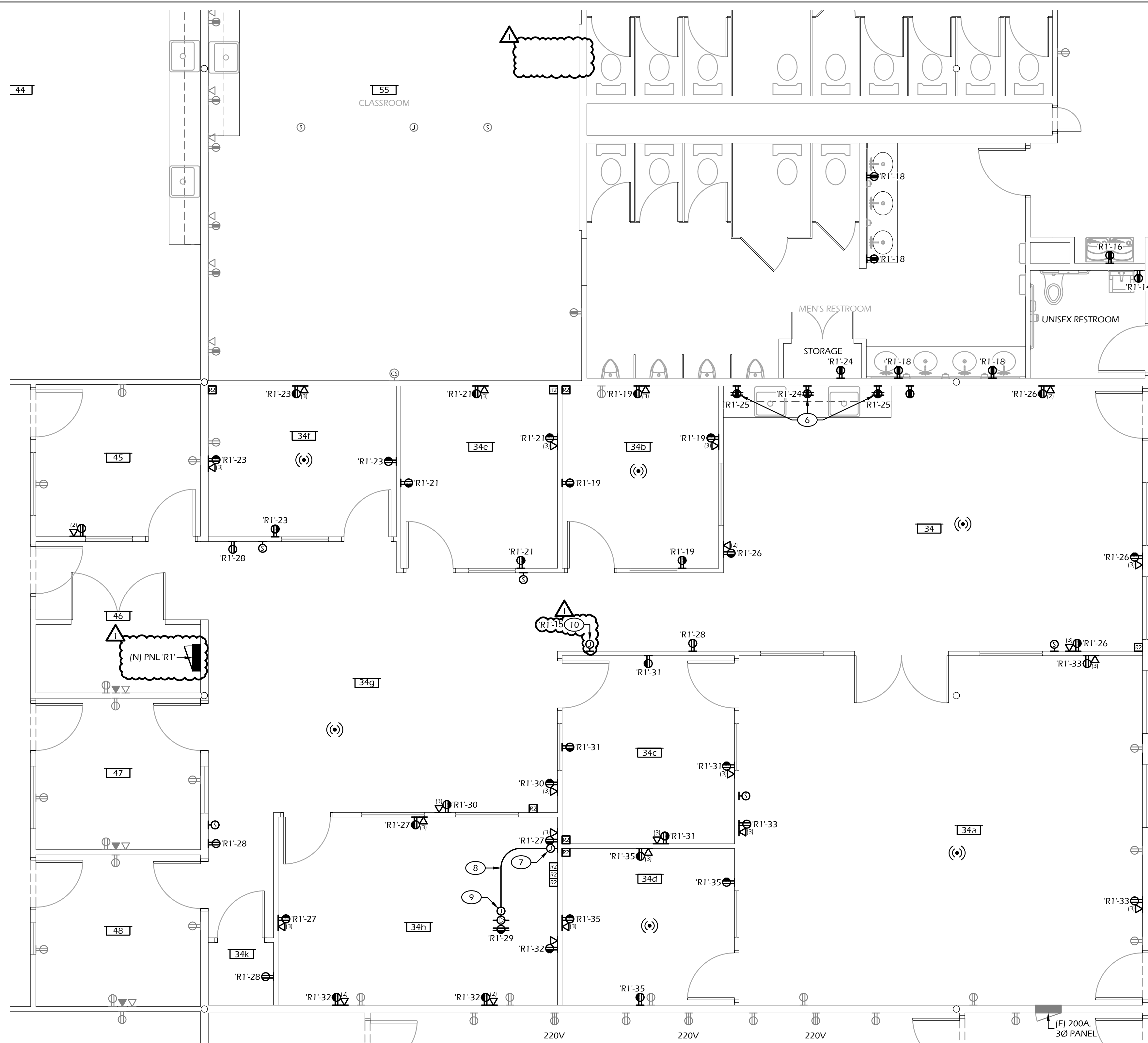
SHEET NOTES

- 1. EXISTING IDF RACK LOCATION.

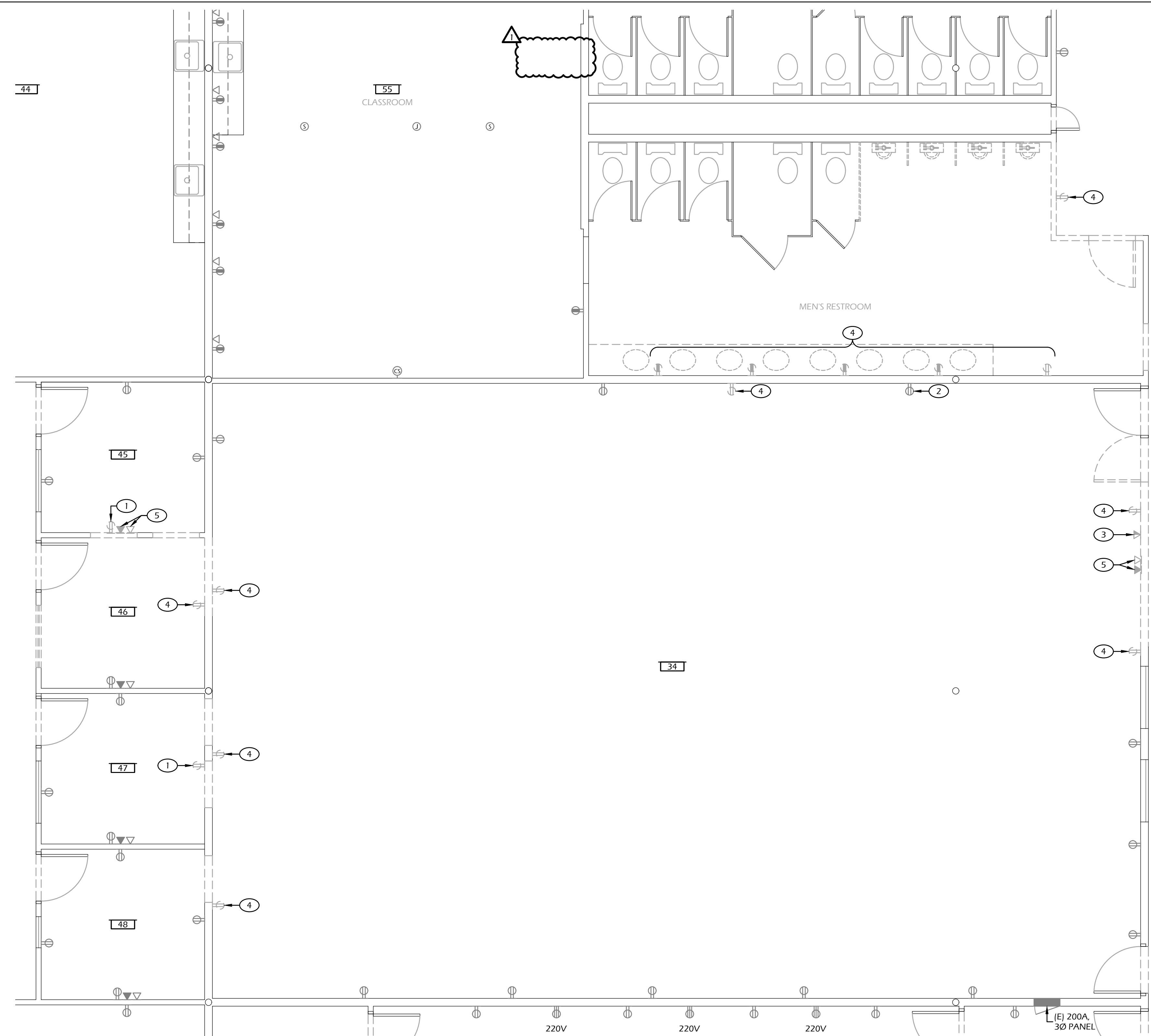
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OVERALL POWER AND SIGNAL FLOOR PLAN
 VENTURE OFFICE ADDITION FOR SAN JOAQUIN COUNTY OFFICE OF EDUCATION
 2829 TRANSWORLD DRIVE
 STOCKTON, CA

DATE: 08 NOV 24
 SCALE: AS NOTED
 JOB: 899-32-24
E3.01.01



2 PARTIAL POWER & SIGNAL FLOOR PLAN
Scale: 1/4" = 1'-0"



1 PARTIAL DEMOLITION POWER & SIGNAL FLOOR PLAN
Scale: 1/4" = 1'-0"

SHEET NOTES

- CAREFULLY DISCONNECT AND REMOVE THE EXISTING RECEPTACLE. TRACE THE CIRCUIT BACK TO THE UPSTREAM AND DOWNSTREAM RECEPTACLE SUPPLY CONNECTION AND PULL THE EXISTING WIRING BACK. PROVIDE AND INSTALL A NEW RECEPTACLE AT THE NEW LOCATION INDICATED PER THE NEW FLOOR PLAN AND EXTEND THE EXISTING CIRCUIT WITH (3) #12 AWG CONDUCTORS WITHIN A 3/4-INCH CONDUIT. REINSTALL EXISTING ELECTRICAL INSTALLATIONS DISTURBED THAT ARE ESSENTIAL FOR THE OPERATION OF OTHER REMAINING INSTALLATIONS (EXISTING UPSTREAM AND DOWNSTREAM RECEPTACLES). WHERE THIS CONDITION OCCURS, PROVIDE A NEW EXTENSION OF ORIGINAL CIRCUITS, CONDUITS AND OUTLETS TO RETAIN SERVICE CONTINUITY.
- REPLACE EXISTING RECEPTACLE WITH A NEW GFCI RECEPTACLE.
- DISCONNECT AND REMOVE THE EXISTING INTERCOM PORT AND ALL WIRING BACK TO SOURCE.
- CAREFULLY DISCONNECT AND REMOVE THE EXISTING RECEPTACLE. TRACE THE CIRCUIT BACK TO THE SUPPLY CONNECTION AND PULL THE EXISTING WIRING BACK. PROVIDE AND INSTALL NEW BLANK COVER PLATE. REINSTALL EXISTING ELECTRICAL INSTALLATIONS DISTURBED THAT ARE ESSENTIAL FOR THE OPERATION OF OTHER REMAINING INSTALLATIONS (EXISTING UPSTREAM AND DOWNSTREAM RECEPTACLES). WHERE THIS CONDITION OCCURS, PROVIDE A NEW EXTENSION OF ORIGINAL CIRCUITS, AND CONDUIT TO RETAIN SERVICE CONTINUITY.
- DISCONNECT AND REMOVE THE EXISTING TELEPHONE AND DATA PORT AND ALL WIRING BACK TO SOURCE.
- PROVIDE AND INSTALL NEW INDICATED RECEPTACLE ABOVE COUNTERTOP. COORDINATE WITH ARCHITECTURAL ELEVATION.
- PROVIDE AND INSTALL AN HDMI WALL PLATE WITH (4) HDMI PORTS AT 18-INCHES ABOVE FINISHED FLOOR AND TERMINATE THE HDMI CABLES.
- PROVIDE AND INSTALL 1-1/2-INCH CONDUIT AND ROUTE WITHIN TWO HDMI CABLES.
- PROVIDE AND INSTALL AN HDMI CEILING MOUNTED PLATE WITH (2) HDMI PORTS AND TERMINATE THE HDMI CABLES.
- ABOVE THE CEILING, PROVIDE AND INSTALL (3) #12 AWG CONDUCTORS WITHIN A 3/4-INCH CONDUIT BACK TO THE INDICATED CIRCUIT AND MAKE ALL CONNECTIONS. COORDINATE WITH MECHANICAL CONTROLS CONTRACTOR FOR CONNECTION TO THE ClimateVision V71 TRANSFORMER. COORDINATE EXACT LOCATION WITH MECHANICAL CONTROLS CONTRACTOR.

GENERAL NOTES

- ALL DATA CABLES TO BE HOMERUNNED TO THE DATA NETWORK ROOM #24a. PROVIDE A 48 PORT PATCH PANEL AT THE EXISTING DATA RACK AND LAND AND TERMINATE AND TEST THE CABLES PER THE SPECIFICATIONS.
- PROVIDE AND INSTALL DATA CABLES ON J-HOOKS INSTALLED EVERY 5 FEET. CABLES SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO THE STRUCTURE.
- PROVIDE AND INSTALL ALL PA SYSTEM CABLES PER THE SPECIFICATIONS AND ROUTE BACK TO THE PA SYSTEM HEADEND. PROVIDE AND INSTALL PA CABLES ON J HOOKS INSTALLED EVERY 5 FEET ALONG THE PATH.
- ALL CABLING SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO THE STRUCTURE.

ROOM SCHEDULE

###	ROOM NAME	###	ROOM NAME	###	ROOM NAME
1		24	CLASSROOM	37a	
2	OFFICE	24a	IDF ROOM	37b	
3	OFFICE	25	CLASSROOM	38	KITCHEN
4	OFFICE	26	CLASSROOM	39	
5	OFFICE	27	CLASSROOM	40	
6	DIRECTOR'S OFFICE	28	CLASSROOM	41	
7	DIRECTOR'S OFFICE	29	CLASSROOM	42	
8	WORK ROOM	30	CLASSROOM	43	CLASSROOM
9	DIRECTOR'S OFFICE	31	CLASSROOM	44	CLASSROOM
10	OFFICE	32	SCIENCE LAB	45	OFFICE
11	OFFICE	33	SCIENCE LAB	46	STORAGE
12	OFFICE	34	COUNSELING	47	OFFICE
13	OFFICE	34a	OPEN WELLNESS ROOM	48	OFFICE
14	OFFICE	34b	OFFICE	49	CLASSROOM
15	OFFICE	34c	OFFICE	50	CLASSROOM
16	OFFICE	34d	OFFICE	51	CLASSROOM
17	AUDITORIUM	34e	OFFICE	52	CLASSROOM
17a	STORAGE	34f	OFFICE	53	CLASSROOM
17b	STORAGE	34g	ROCK WALL/GYM	54	CLASSROOM
18	CLASSROOM	34h	MEETING ROOM	55	CLASSROOM
18a	STORAGE	34k	STORAGE	56	
19	WORKSPACE	35		57	
20	CLASSROOM	36	METAL/ WOOD SHOP	58	
21	CLASSROOM	36a	OFFICE	59	
22	CLASSROOM	36b	FINISHING ROOM	60	
23	CLASSROOM	36c	STORAGE	61	
23a	STORAGE	37	DARK ROOM	62	

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PARTIAL POWER AND SIGNAL FLOOR PLANS
 VENTURE OFFICE ADDITION FOR SAN JOAQUIN COUNTY OFFICE OF EDUCATION
 STOCKTON, CA
 2829 TRANSWORLD DRIVE

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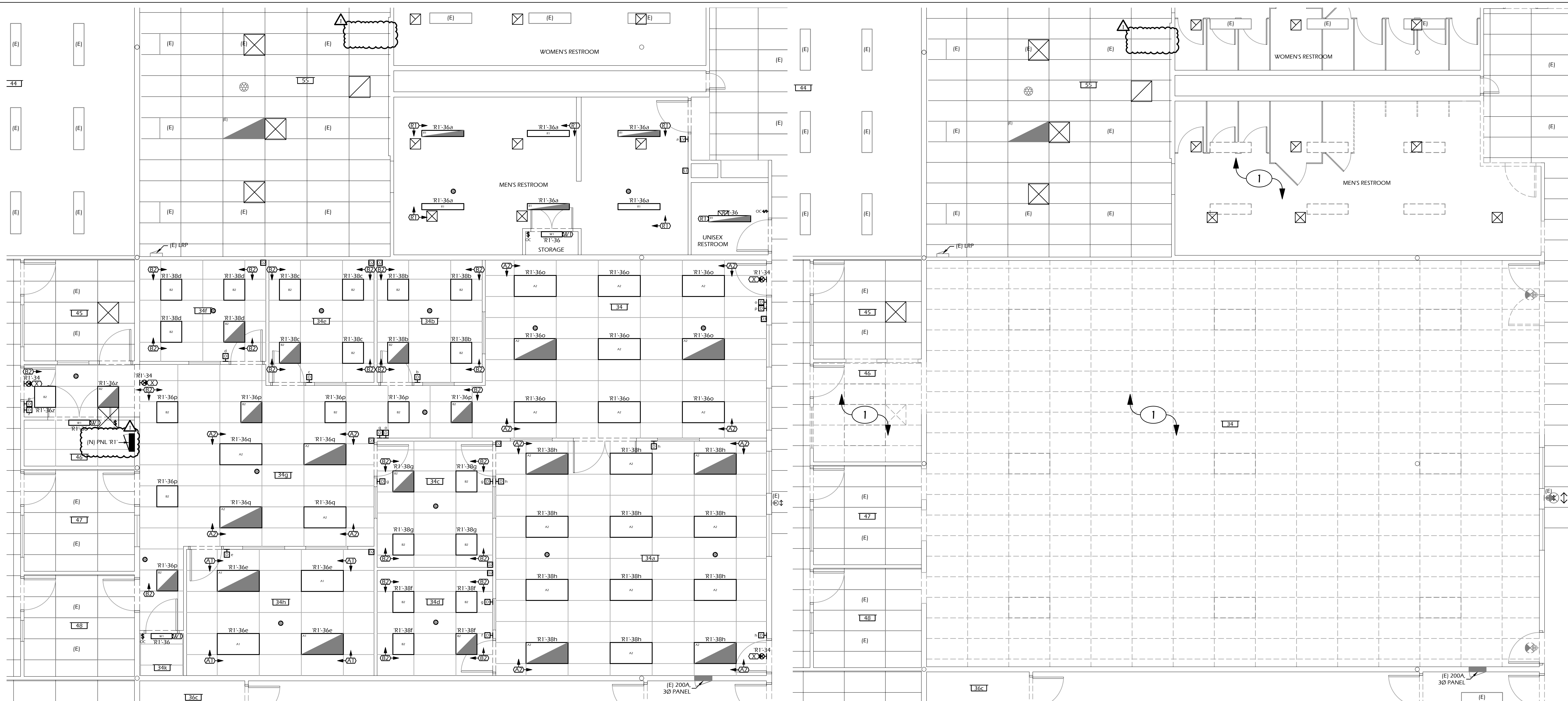
1 OVERALL EXISTING LIGHTING FLOOR PLAN
SCALE: 1/8" = 1'-0"

NEW ROOM SCHEDULE					
###	ROOM NAME	###	ROOM NAME	###	ROOM NAME
1	-	24	CLASSROOM	37a	-
2	OFFICE	24a	IDF ROOM	37b	-
3	OFFICE	25	CLASSROOM	38	KITCHEN
4	OFFICE	26	CLASSROOM	39	-
5	OFFICE	27	CLASSROOM	40	-
6	DIRECTOR'S OFFICE	28	CLASSROOM	41	-
7	DIRECTOR'S OFFICE	29	CLASSROOM	42	-
8	WORK ROOM	30	CLASSROOM	43	CLASSROOM
9	DIRECTOR'S OFFICE	31	CLASSROOM	44	CLASSROOM
10	OFFICE	32	SCIENCE LAB	45	OFFICE
11	OFFICE	33	SCIENCE LAB	46	STORAGE
12	OFFICE	34	COUNSELING	47	OFFICE
13	OFFICE	34a	OPEN WELLNESS ROOM	48	OFFICE
14	OFFICE	34b	OFFICE	49	CLASSROOM
15	OFFICE	34c	OFFICE	50	CLASSROOM
16	OFFICE	34d	OFFICE	51	CLASSROOM
17	AUDITORIUM	34e	OFFICE	52	CLASSROOM
17a	STORAGE	34f	OFFICE	53	CLASSROOM
17b	STORAGE	34g	ROCK WALL/GYM	54	CLASSROOM
18	CLASSROOM	34h	MEETING ROOM	55	-
18a	STORAGE	34i	STORAGE	56	-
19	WORKSPACE	35	-	57	-
20	CLASSROOM	36	METAL WOOD SHOP	58	-
21	CLASSROOM	36a	OFFICE	59	-
22	CLASSROOM	36b	FINISHING ROOM	60	-
23	CLASSROOM	36c	STORAGE	61	-
23a	STORAGE	37	DARK ROOM	62	-

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OVERALL LIGHTING FLOOR PLAN
 VENTURE OFFICE ADDITION FOR SAN JOAQUIN COUNTY OFFICE OF EDUCATION
 2829 TRANSWORLD DRIVE
 STOCKTON, CA

DATE: 08 NOV 24
SCALE: AS NOTED
JOB: 899-32-24
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2 PARTIAL LIGHTING FLOOR PLAN
Scale: 1/4" = 1'-0"

1 PARTIAL DEMOLITION LIGHTING FLOOR PLAN
Scale: 1/4" = 1'-0"

- SHEET NOTES**
- DISCONNECT AND REMOVE THE EXISTING LIGHTING FIXTURE AND LIGHTING SWITCH. PULL THE EXISTING CONDUIT AND WIRING DOWNSTREAM AND UPSTREAM OF THE LIGHTING THAT IS TO REMAIN FUNCTIONAL. PROVIDE A NEW EXTENSION OF ORIGINAL CIRCUITS AND CONDUITS FOR THE OPERATION OF THE OTHER REMAINING LIGHTING FOR SERVICE CONTINUITY.

- GENERAL NOTES**
- OCCUPANCY SENSOR TO BE INSTALLED 4 TO 6 FEET AWAY FROM AIR SUPPLY DUCTS. THE OCCUPANCY SENSOR SHALL BE INSTALLED BETWEEN 6 TO 10 FEET ABOVE FINISHED FLOOR.
 - PROVIDE NORMAL POWER FOR EMERGENCY FIXTURES AS REQUIRED PER MANUFACTURER. CONNECT TO THE UN-SWITCHED SIDE.

- LIGHTING SYSTEM NOTES**
- THE SYSTEM DESIGNED HERE IS A WATTSTOPPER LIGHTING SYSTEM. ALL ROOM CONTROLLERS, POWERPACKS, NETWORKED BRIDGES, OCCUPANCY SENSOR, PHOTO SENSORS, ETC. SHALL BE NETWORKED TOGETHER WITHIN A ROOM.
 - OCCUPANCY SENSING CONTROLS INSTALLED IN CORRIDORS AND STAIRWELLS SHALL SEPARATELY REDUCE THE LIGHTING POWER IN EACH SPACE BY AT LEAST 50 PERCENT WHEN THE SPACE IS UNOCCUPIED. WHEN THE SPACE IS OCCUPIED, THE SENSING CONTROLS SHALL BE CAPABLE OF AUTOMATICALLY TURNING THE LIGHTING FULLY ON ONLY IN THE SEPARATELY CONTROLLED SPACE REGARDLESS OF ANY OTHER CONTROL.

ROOM SCHEDULE

###	ROOM NAME	###	ROOM NAME	###	ROOM NAME
1		24	CLASSROOM	37a	
2	OFFICE	24a	IDF ROOM	37b	
3	OFFICE	25	CLASSROOM	38	KITCHEN
4	OFFICE	26	CLASSROOM	39	
5	OFFICE	27	CLASSROOM	40	
6	DIRECTOR'S OFFICE	28	CLASSROOM	41	
7	DIRECTOR'S OFFICE	29	CLASSROOM	42	
8	WORK ROOM	30	CLASSROOM	43	CLASSROOM
9	DIRECTOR'S OFFICE	31	CLASSROOM	44	CLASSROOM
10	OFFICE	32	SCIENCE LAB	45	OFFICE
11	OFFICE	33	SCIENCE LAB	46	STORAGE
12	OFFICE	34	COUNSELING	47	OFFICE
13	OFFICE	34a	OPEN WELLNESS ROOM	48	OFFICE
14	OFFICE	34b	OFFICE	49	CLASSROOM
15	OFFICE	34c	OFFICE	50	CLASSROOM
16	OFFICE	34d	OFFICE	51	CLASSROOM
17	AUDITORIUM	34e	OFFICE	52	CLASSROOM
17a	STORAGE	34f	OFFICE	53	CLASSROOM
17b	STORAGE	34g	ROCK WALL/GYM	54	CLASSROOM
18	CLASSROOM	34h	MEETING ROOM	55	
18a	STORAGE	34k	STORAGE	56	
19	WORKSPACE	35		57	
20	CLASSROOM	36	METAL/ WOOD SHOP	58	
21	CLASSROOM	36a	OFFICE	59	
22	CLASSROOM	36b	FINISHING ROOM	60	
23	CLASSROOM	36c	STORAGE	61	
23a	STORAGE	37	DARK ROOM	62	

REVISIONS:

ADDENDUM #	BY	DATE

PROGRESSIVE DESIGNS

243 N. MAPLE AVENUE, STE B
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PARTIAL LIGHTING FLOOR PLANS
VENTURE OFFICE ADDITION FOR SAN JOAQUIN COUNTY OFFICE OF EDUCATION
2829 TRANSWORLD DRIVE
STOCKTON, CA

Borrelli & Associates, Inc.
Consulting Electrical Engineers
2032 N. Gateway Boulevard
Fresno, CA 93727
Phone: 559-233-4138
http://www.borrelliengineering.com/
ca-bai@borrelliengineering.com
EAI Project #24176

DATE: 08 NOV 24
SCALE: AS NOTED
JOB: 899-32-24

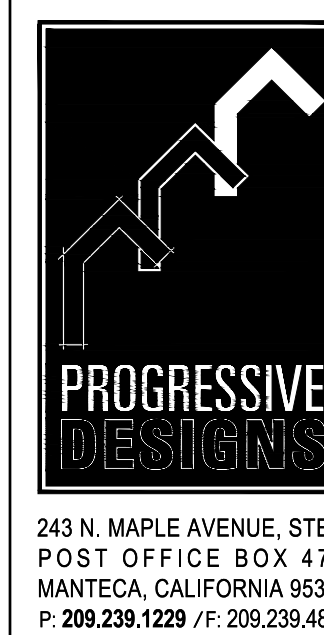
E3.02.02



1 PARTIAL EMERGENCY PHOTOMETRIC LIGHTING FLOOR PLAN
 Scale: 1/4" = 1'-0"

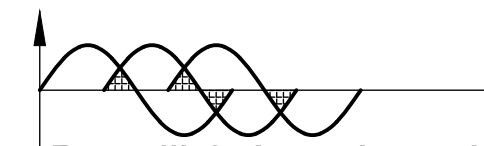
ROOM SCHEDULE					
###	ROOM NAME	###	ROOM NAME	###	ROOM NAME
1	CLASSROOM	24	CLASSROOM	37a	
2	OFFICE	24a	IDF ROOM	37b	
3	OFFICE	25	CLASSROOM	38	KITCHEN
4	OFFICE	26	CLASSROOM	39	
5	OFFICE	27	CLASSROOM	40	
6	DIRECTOR'S OFFICE	28	CLASSROOM	41	
7	DIRECTOR'S OFFICE	29	CLASSROOM	42	
8	WORK ROOM	30	CLASSROOM	43	CLASSROOM
9	DIRECTOR'S OFFICE	31	CLASSROOM	44	CLASSROOM
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15	OFFICE	34c	OFFICE	50	CLASSROOM
16	OFFICE	34d	OFFICE	51	CLASSROOM
17	AUDITORIUM	34e	OFFICE	52	CLASSROOM
17a	STORAGE	34f	OFFICE	53	CLASSROOM
17b	STORAGE	34g	ROCK WALL/GYM	54	CLASSROOM
18	CLASSROOM	34h	MEETING ROOM	55	
18a	STORAGE	34k	OFFICE	56	
19	WORKSPACE	35		57	
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23	CLASSROOM	36c	STORAGE	61	
23a	STORAGE	37	DARK ROOM	62	

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ADDENDUM #1	HM



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PARTIAL EMERGENCY PHOTOMETRIC LIGHTING FLOOR PLAN
 VENTURE OFFICE ADDITION FOR SAN JOAQUIN COUNTY OFFICE OF EDUCATION
 2829 TRANSWORLD DRIVE
 STOCKTON, CA

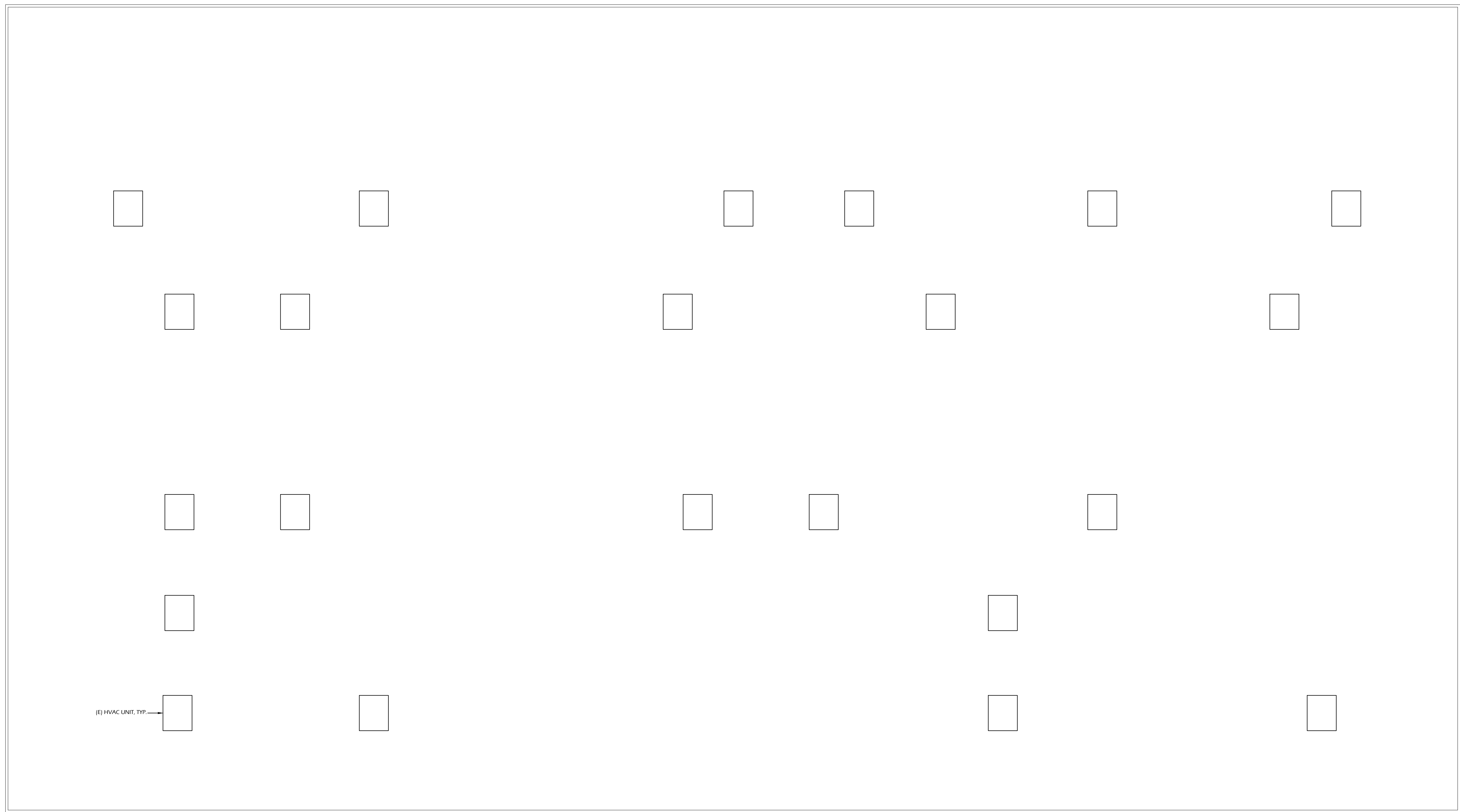

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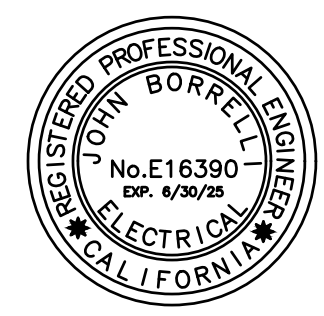
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1
OVERALL ELECTRICAL ROOF PLAN
 SCALE: 1/8"=1'-0"

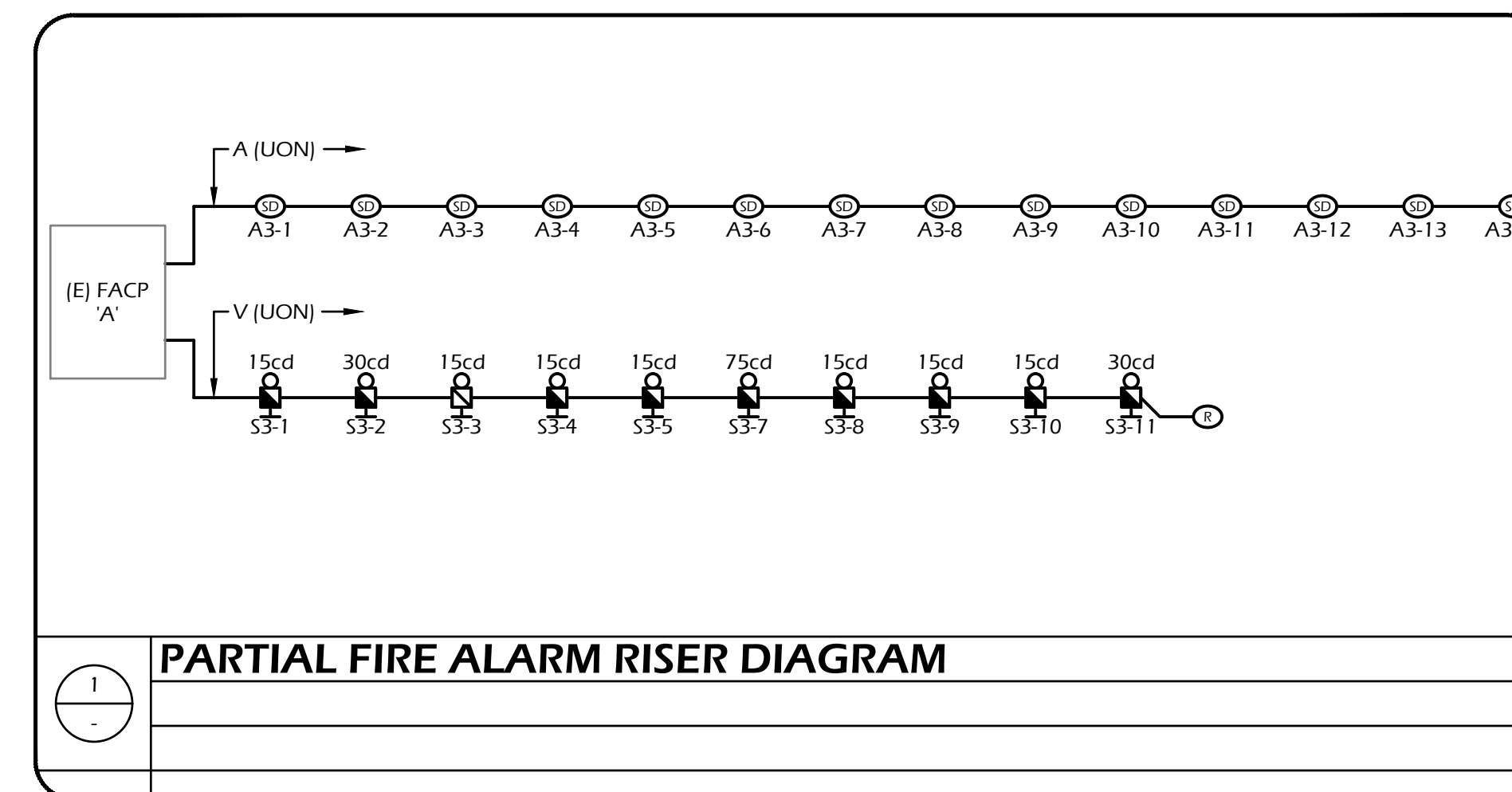
GENERAL NOTES ◆
 1. REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS OF HVAC UNITS.

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OVERALL ELECTRICAL ROOF PLAN
 VENTURE OFFICE ADDITION FOR SAN JOAQUIN COUNTY OFFICE OF EDUCATION
 2829 TRANSWORLD DRIVE
 STOCKTON, CA

DATE: 08 NOV 24
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PARTIAL FIRE ALARM RISER DIAGRAM

FIRE ALARM OPERATION MATRIX

INPUT	OUTPUT					
	ANNUNCIATE ALARM AT FACP	ANNUNCIATE TROUBLE AT FACP	ANNUNCIATE SUPERVISORY AT FACP	TRANSMIT SIGNAL TO CENTRAL STATION	ACTIVATE NOTIFICATION APPLIANCES	SHUT DOWN HVAC
POWER FAILURE						
AREA SMOKE DETECTORS	•	•		•	•	

Project:	VENTURE OFFICE ADDITION FOR SJCOE										Circuit #	S3	VISUAL
Device Label	AV15	AV30	V15	AV15	AV15	AV15	AV75	AV15	AV15	AV15			
Device Number	1	2	3	4	5	6	7	8	9	10			
Wire Gauge	12	12	12	12	12	12	12	12	12	12			
Distance in Feet	80.5000	55.0000	18.0000	21.0000	27.0000	3.0000	18.0000	40.0000	29.0000	3.0000			
Amps @ Device	0.037	0.046	0.022	0.037	0.037	0.037	0.037	0.037	0.037	0.037			
Running Amps	0.450	0.413	0.367	0.345	0.308	0.271	0.234	0.157	0.120	0.083			
Voltage Drop	0.133	0.083	0.024	0.027	0.031	0.003	0.015	0.023	0.013	0.001			
Volts at Device	20.267	20.183	20.159	20.132	20.102	20.099	20.083	20.060	20.048	20.047			

Device Label	AV30	-	-	-	-	-	-	-	-	-
Device Number	11	12	13	14	15	16	17	18	19	20
Wire Gauge	12	12	12	12	12	12	12	12	12	12
Distance in Feet	21.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Amps @ Device	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Running Amps	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Voltage Drop	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Volts at Device	20.043	20.043	20.043	20.043	20.043	20.043	20.043	20.043	20.043	20.043

Total Current	-	0.450 Amps	Legend			Formula: VDROP=(2K X L X I)/CMIL		
Total Distance	-	315.50 Ft	Symbol	Model	Description	R=12.9	L=Dist. in ft.	I=Current
Total Voltage Drop	-	0.36 Volts	V30	ELSTR	Strobe	Wire Size	/M FT.	Circular Mils
Circuit Voltage	-	20.4 Volts	V75	ELSTR	Strobe	10	1.018	10380
% Voltage Drop	-	1.75 %	V110	ELSTR	Strobe	12	1.59	6530
			AV15	ELHTR	Horn/Strobe	14	2.52	4110
			AV30	ELHTR	Horn/Strobe	16	4.02	2580
			AV75	ELHTR	Horn/Strobe	18	6.39	1620
			AV110	ELHTR	Horn/Strobe	20	10.1	1020
						22	16.2	640
						24	25.7	404

FIRE ALARM CONTROL PANEL 'A' BATTERY CALCULATIONS

Device Type	Amount	Supv. I	Supv. I ₂	Alarm I	Alarm I ₂
Existing Load	1	0.9312	0.9312	4.7820	4.7820
New Initiation Devices	14	0.0001	0.0015	0.0500	0.7000
Analog Loop Driver	1	0.1200	0.1200	0.1200	0.1200
Signal Module	1	0.0010	0.0010	0.0230	0.0230
15cd Wall Strobe	V15	1	0.0000	0.0000	0.0220
30cd Wall Strobe	V30	0	0.0000	0.0000	0.0300
75cd Wall Strobe	V75	0	0.0000	0.0000	0.0600
15cd Wall Strobe & Horn	AV15	7	0.0000	0.0000	0.0370
30cd Wall Strobe & Horn	AV30	2	0.0000	0.0000	0.0460
75cd Wall Strobe & Horn	AV75	1	0.0000	0.0000	0.0770
Totals			1.0537	0.0770	6.0750
Minimum runtime on batteries (Hours)			24 HR	15.0000 MIN	
Subtotal battery standby (Amp-Hours)				26.8095	
Total battery standby (Amp-Hours)				26.8095	
Safety Factor				125.00%	
Minimum Capacity (Amp-Hours)				33.5106	
Existing Battery Size (Amp-Hours)				33	
New Battery Size (Amp-Hours)				40	

FIRE ALARM SYMBOL LIST

SYMBOL	DEVICE TYPE	MANUFACTURER AND MODEL NUMBER	CSFM LISTING NUMBER
⊞	FIRE ALARM CONTROL PANEL (FACP) ANALOG LOOP DRIVER	SIEMENS MXL SIEMENS #ALD-21	7165-0067-0144 7300-0067-0172
⊞	SMOKE DETECTOR - SPOT TYPE DETECTOR BASE	SIEMENS WFP-11 SIEMENS #DB-11	7272-0067-0203 7300-0067-0134
⊞	MULTI-CANDELA HORN/STROBE - WALL MOUNTED	WHEELOCK #ELHTR	7135-0785-0504
⊞	MULTI-CANDELA STROBE - WALL MOUNTED	WHEELOCK #ELSTR	7135-0785-0504
⊞	END OF LINE RESISTOR 3.9KΩ	VARIOUS	N/A
A	INITIATION CABLE ABOVE GROUND	WEST-PENN #D990	7161-0859-101
A	INITIATION CABLE UNDERGROUND	WEST-PENN #AQ225	7161-0859-101
N	NETWORK CABLE ABOVE GROUND	WEST-PENN #D990	7161-0859-101
N	NETWORK CABLE UNDERGROUND	WEST-PENN #AQ225	7161-0859-101
P	POWER CABLE ABOVE GROUND	WEST-PENN #998	7161-0859-101
P	POWER CABLE UNDERGROUND	WEST-PENN #AQ227	7161-0859-101
S	VISUAL CABLE ABOVE GROUND	WEST-PENN #998	7161-0859-101
S	VISUAL CABLE UNDERGROUND	WEST-PENN #AQ227	7161-0859-101

NOTES:
1. PROVIDE 24"x24" ACCESS PANEL(S) BENEATH ALL FIRE ALARM DEVICES IN ATTICS ABOVE HARD CEILING.

FIRE ALARM SYSTEM NOTES

- ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST REGULATIONS OF THE STATE FIRE MARSHAL, CALIFORNIA CODE OF REGULATIONS, SERVING UTILITY COMPANIES, AND OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THESE CODES. WHERE WORK OF A HIGHER DEGREE IS INDICATED IN THE PLANS OR SPECIFICATIONS THIS REQUIREMENT SHALL GOVERN.
- THE FIRE ALARM SYSTEM DESIGN IS A "COMPLETE PLAN SUBMITTAL". THE CONTRACTOR SHALL INSTALL THE SYSTEM AS SHOWN AND AS HEREIN SPECIFIED.
- ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 DB ABOVE AMBIENT NOISE LEVELS MEASURED FOUR FEET ABOVE THE FLOOR INSIDE BUILDING. AMBIENT NOISE LEVELS SHALL BE CONSTRUCTED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY PER CHAPTER 14, NFPA 72, AND A CERTIFICATE OF COMPLETION SHALL BE PROVIDED TO THE OWNER PER CHAPTER 7, NFPA 72 AND THE CALIFORNIA FIRE CODE, SECTION 907.7.
- AUDIBLE DEVICES SHALL HAVE TEMPORAL CODE 3 SOUND PATTERN.
- ALL AUDIBLE AND VISUAL DEVICES SHALL BE SYNCHRONIZED.
- ALL FIRE PROTECTION SIGNALING COMPONENTS SHALL BE ONLY THOSE APPROVED AND LISTED IN THE STATE FIRE MARSHAL'S LISTING SERVICE. AN ITEMIZED MATERIALS LIST SHOWING MAKE, MODEL NUMBER AND ITS CORRESPONDING STATE FIRE MARSHAL'S LISTING NUMBER SHALL BE FURNISHED TO THE PROJECT INSPECTOR. UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE LOCAL FIRE AUTHORITY WITH I.O.P. INSTALLATION REQUIREMENTS SHALL BE PER NFPA 72, CALIFORNIA BUILDING CODE, AND CALIFORNIA FIRE CODE.
- THE FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UL/ULX (CENTRAL STATION) OR UL/US (REMOTE AND PROPRIETARY BY UNDERWRITERS LABORATORY (UL) OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD FM 3011.
- AFTER SUCCESSFUL TESTING OF THE FIRE ALARM SYSTEM, COMPLETE THE NFPA 72 RECORD OF COMPLETION AND PROVIDE COPIES TO THE ARCHITECT, OWNER, LOCAL FIRE AUTHORITY, AND DSA (VIA THE PROJECT INSPECTOR).
- DIVISION 26/28 SHALL PROVIDE FIRE ALARM WIRING AND CONTROL WITH A FIRE ALARM RELAY MODULE AT EACH HVAC UNIT. DIVISION 23 HVAC/CONTROL CONTRACTOR SHALL PROVIDE CONTROL WIRING FROM THE FIRE ALARM RELAY MODULE TO THE HVAC UNIT SHUT-OFF RELAY. MAKE ALL CONNECTIONS.
- HEAT DETECTORS SHALL BE INSTALLED IN COMBUSTIBLE SPACES WHERE SPRINKLER OR SMOKE DETECTORS ARE NOT INSTALLED. CALIFORNIA FIRE CODE 907.2.3.6.2.
- FIRE ALARM ADDRESSING ARE PLACE HOLDER. CONTRACTOR SHALL SUBMIT SHOP DRAWING WITH ADDRESSING PER MANUFACTURING REQUIREMENTS. CONTRACTOR TO COORDINATE ADDRESSING PER MANUFACTURER REQUIREMENTS PRIOR TO ANY FIELD LABELING.

SYSTEM DESCRIPTION

- THE SYSTEM SHOWN IS A NEW ADDITION OF HORN/STROBES AND SMOKE DETECTORS TO THE EXISTING FIRE ALARM SYSTEM.
- CLASS B WIRING METHOD IS UTILIZED FOR ALL SIGNALING CIRCUITS.

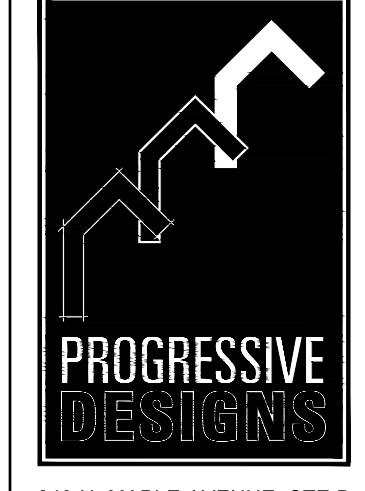
SCOPE OF FIRE ALARM WORK

THE FIRE ALARM SYSTEM CONSISTS OF NEW ADDITION OF ADDRESSABLE INITIATION DEVICES AND AUDIBLE/VISUAL DEVICES FOR NOTIFICATION.

FIRE ALARM RECORD DOCUMENTS CABINET

- THE FIRE ALARM SYSTEM WORK SHALL INCLUDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION PER NFPA 72 7.7.2.
- THE DOCUMENTATION CABINET SHALL BE RED WITH A HINGED, LOCKING DOOR AND SHALL BE PROMINENTLY LABELED "FIRE SYSTEM RECORD DOCUMENTS".
- ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED INSIDE THE CABINET.
- CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
- WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.
- PROVIDE SYSTEM DOCUMENTS AS APPLICABLE:
 - AS-BUILT RECORD DRAWINGS
 - EQUIPMENT CUT SHEETS AND CSFM LISTINGS
 - ALTERNATIVE MEANS AND METHODS
 - PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72 7.3.2)
 - SYSTEM RECORD OF COMPLETION AND ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72 7.8.2)
 - EMERGENCY RESPONSE PLAN (NFPA 72 7.3.8)
 - EVALUATION DOCUMENTATION (NFPA 72 7.3.9)
 - RISK ANALYSIS DOCUMENTATION (NFPA 72 7.3.6)
 - SOFTWARE AND FIRMWARE CONTROL DOCUMENTATION (NFPA 72 23.2.2)

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PARTIAL FIRE ALARM RISER DIAGRAM, SYMBOLS LEGEND, NOTES, AND CALCULATIONS
 VENTURE OFFICE ADDITION FOR SAN JOAQUIN COUNTY OFFICE OF EDUCATION
 2829 TRANSWORLD DRIVE
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GENERAL NOTES

- SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1-FOOT FROM FIRE SPRINKLERS OR 3-FEET FROM ANY SUPPLY DIFFUSER.
- PROVIDE AND INSTALL A MINIMUM OF 1-1/4-INCH CONDUIT SIZE FOR THE FIRE ALARM.
- THIS SCHOOL HAS AN EXISTING FIRE SPRINKLER SYSTEM.

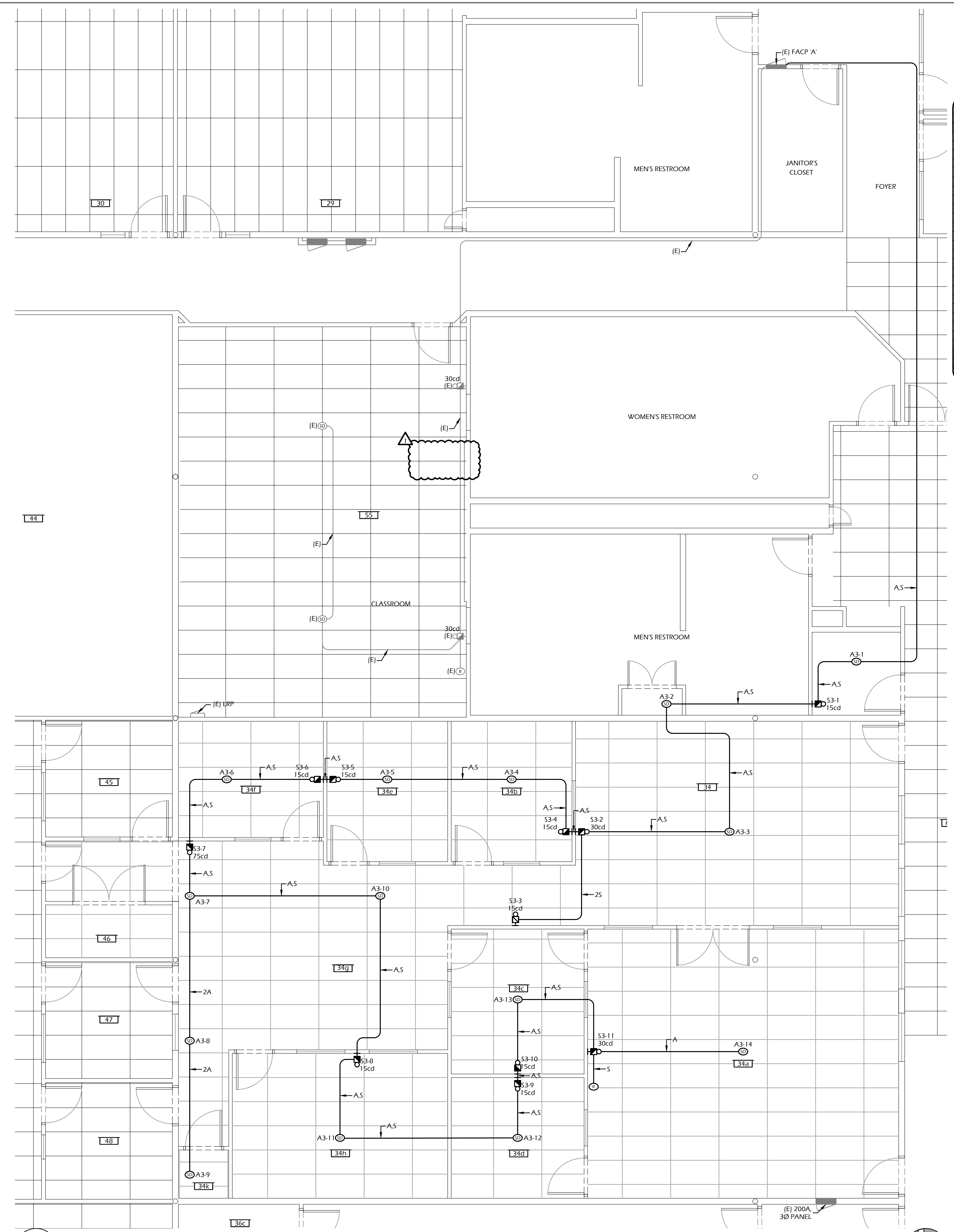
NEW ROOM SCHEDULE

###	ROOM NAME	###	ROOM NAME	###	ROOM NAME
1	-	24	CLASSROOM	37a	-
2	OFFICE	24a	IDF ROOM	37b	-
3	OFFICE	25	CLASSROOM	38	KITCHEN
4	OFFICE	26	CLASSROOM	39	-
5	OFFICE	27	CLASSROOM	40	-
6	DIRECTOR'S OFFICE	28	CLASSROOM	41	-
7	DIRECTOR'S OFFICE	29	CLASSROOM	42	-
8	WORK ROOM	30	CLASSROOM	43	CLASSROOM
9	DIRECTOR'S OFFICE	31	CLASSROOM	44	CLASSROOM
10	OFFICE	32	SCIENCE LAB	45	OFFICE
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12	OFFICE	34	COUNSELING	47	OFFICE
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18	CLASSROOM	34h	MEETING ROOM	55	-
18a	STORAGE	34i	STORAGE	56	-
19	WORKSPACE	35	-	57	-
20	CLASSROOM	36	METAL/ WOOD SHOP	58	-
21	CLASSROOM	36a	OFFICE	59	-
22	CLASSROOM	36b	FINISHING ROOM	60	-
23	CLASSROOM	36c	STORAGE	61	-
23a	STORAGE	37	DARK ROOM	62	-

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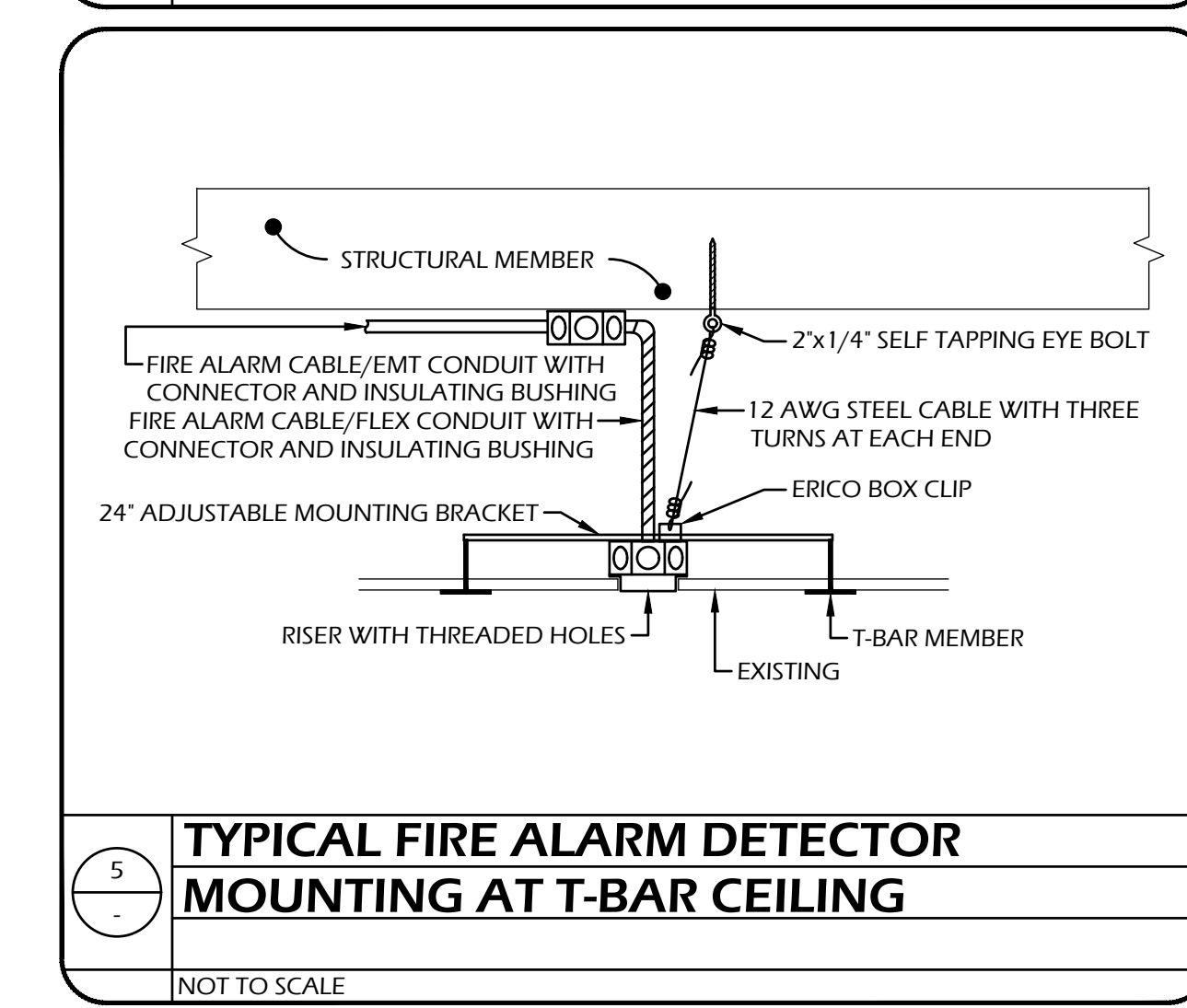
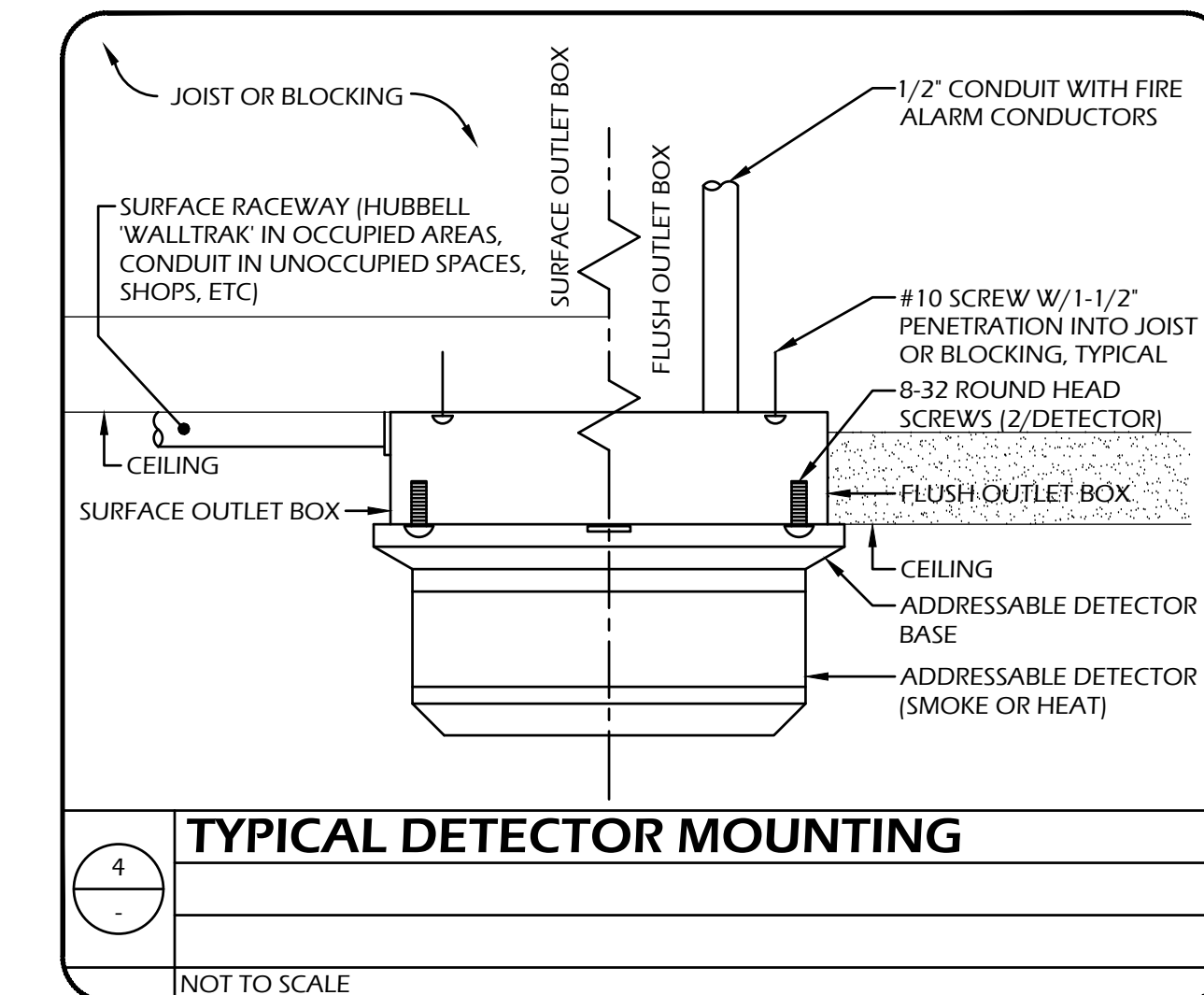
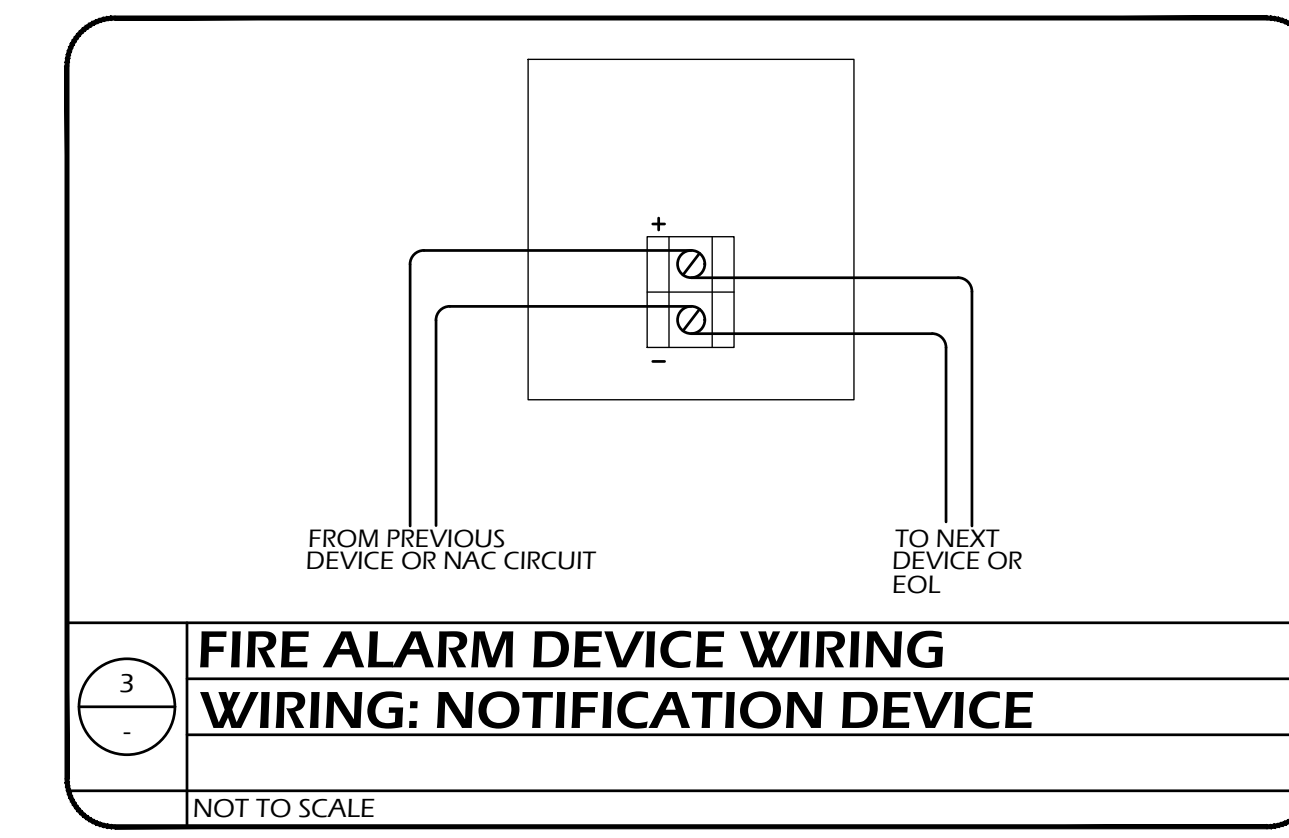
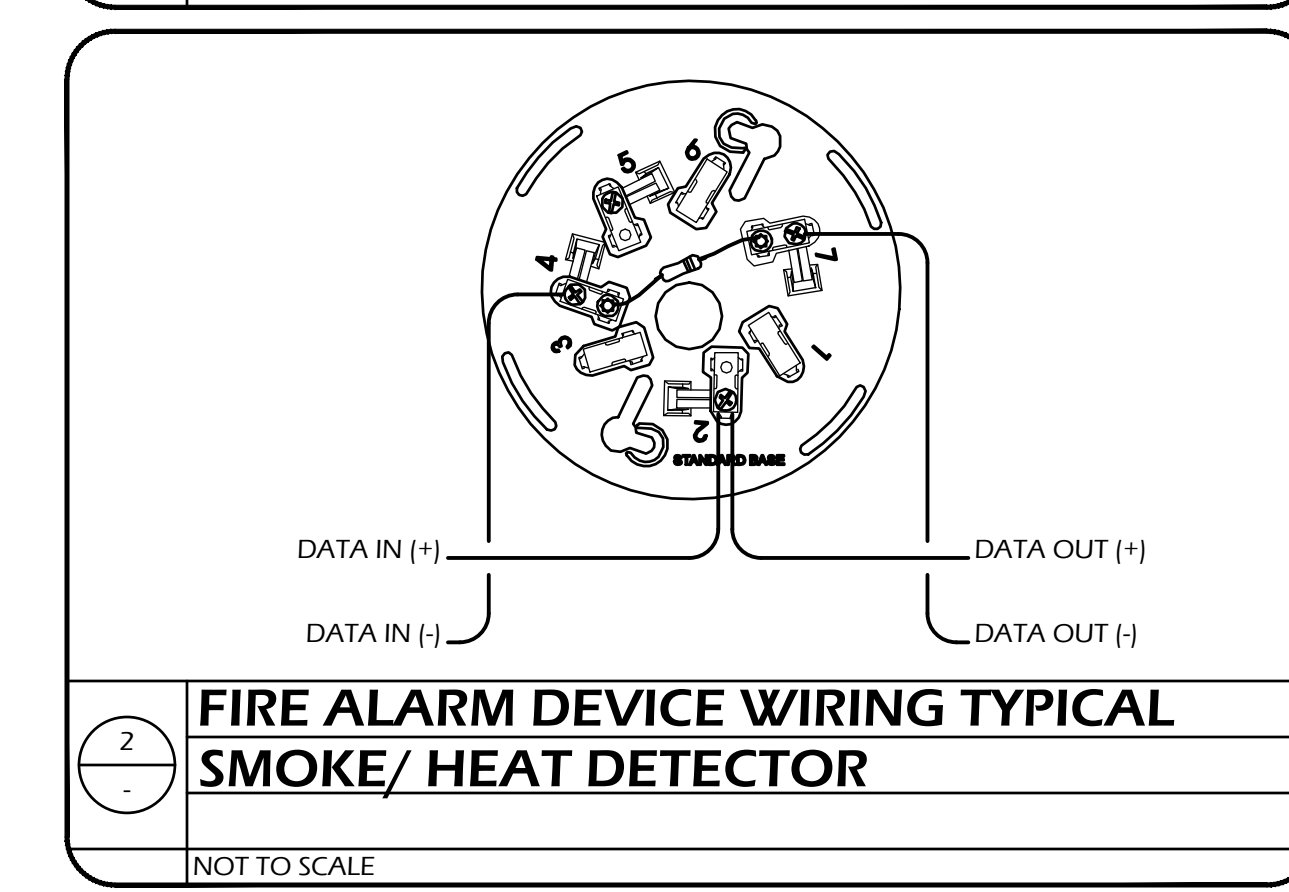
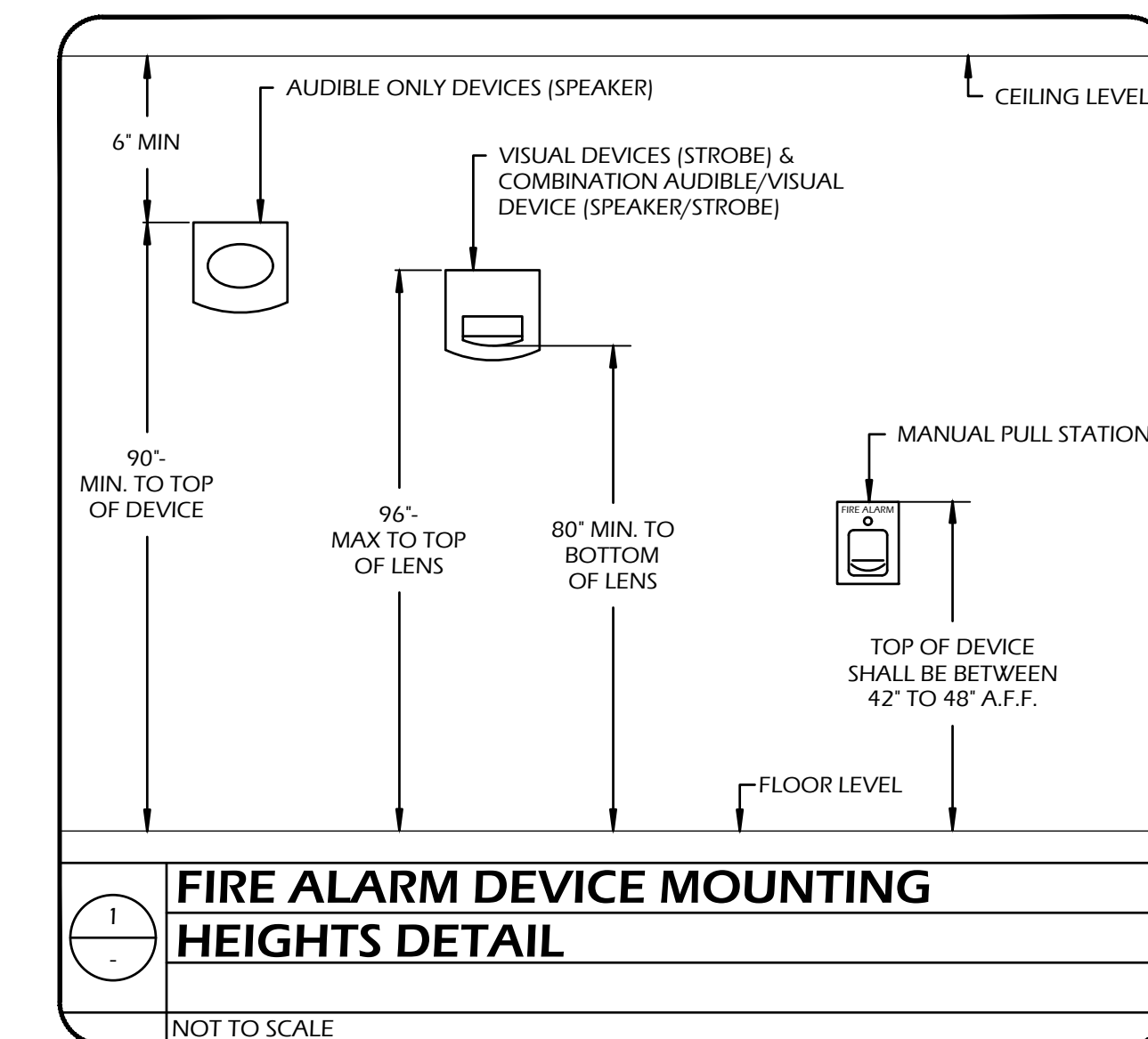


PARTIAL FIRE ALARM FLOOR PLAN
 Scale: 1/4" = 1'-0"

PARTIAL FIRE ALARM FLOOR PLAN
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PROGRESSIVE DESIGNS

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TYPICAL FIRE ALARM DETAILS

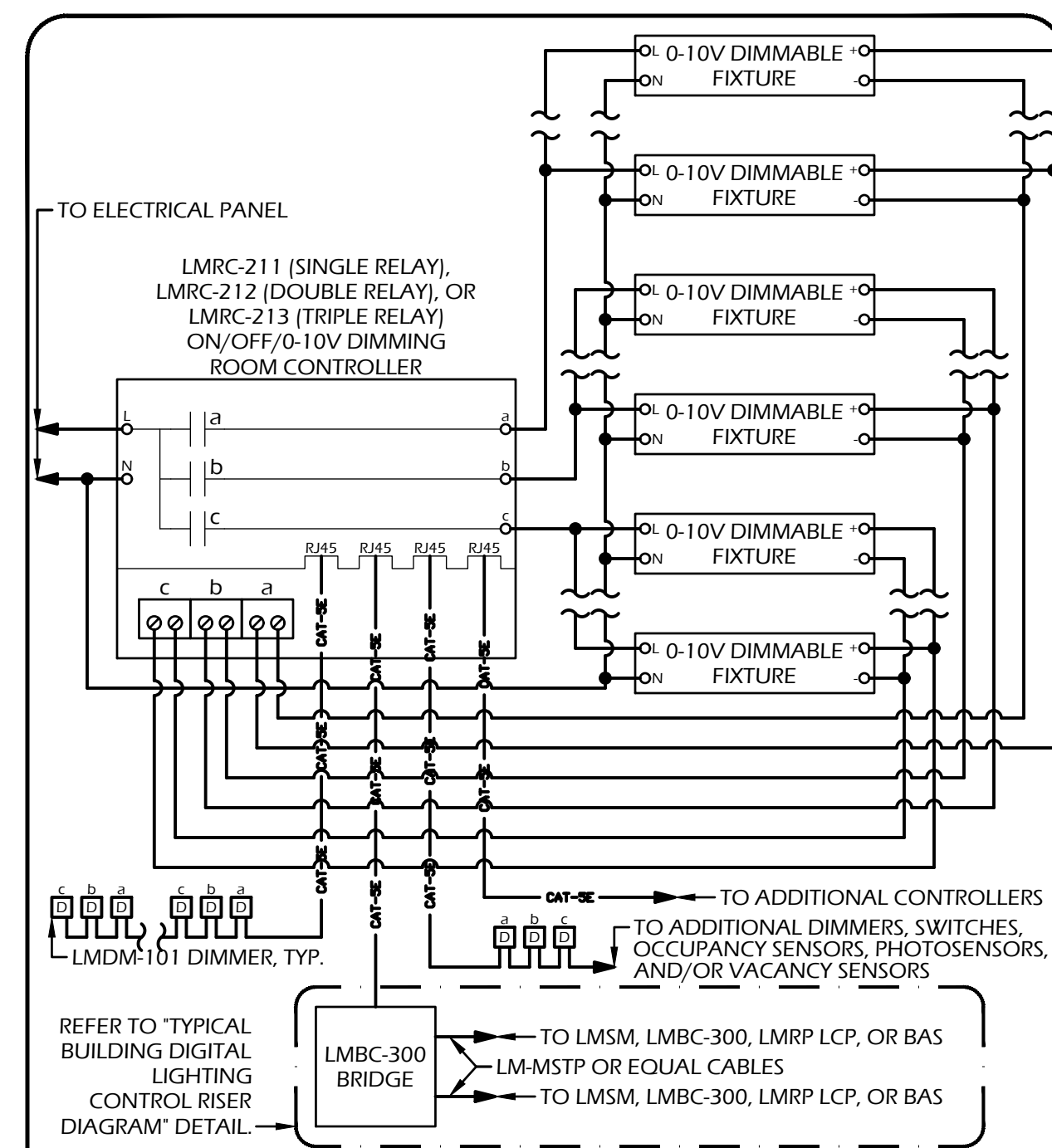
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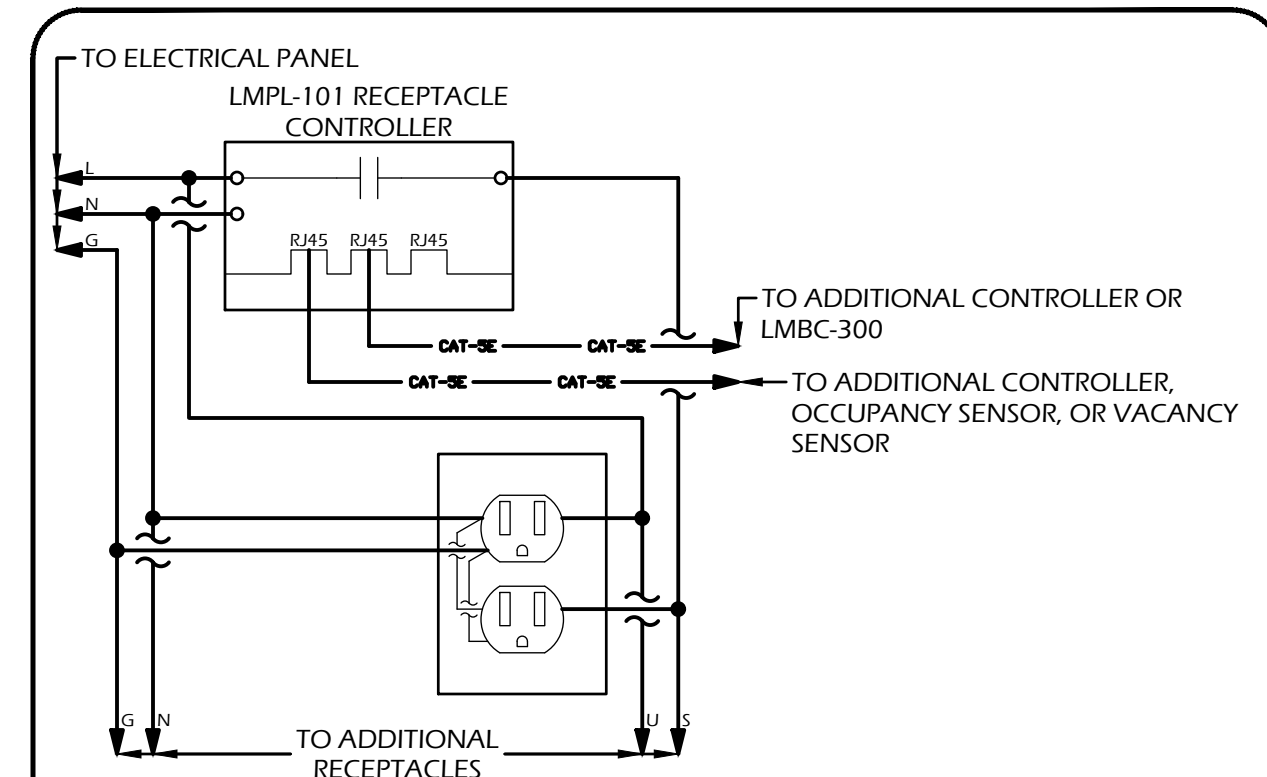
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TYPICAL 0-10VDC LOCAL ROOM DIGITAL DIMMING CONTROL

NOT TO SCALE

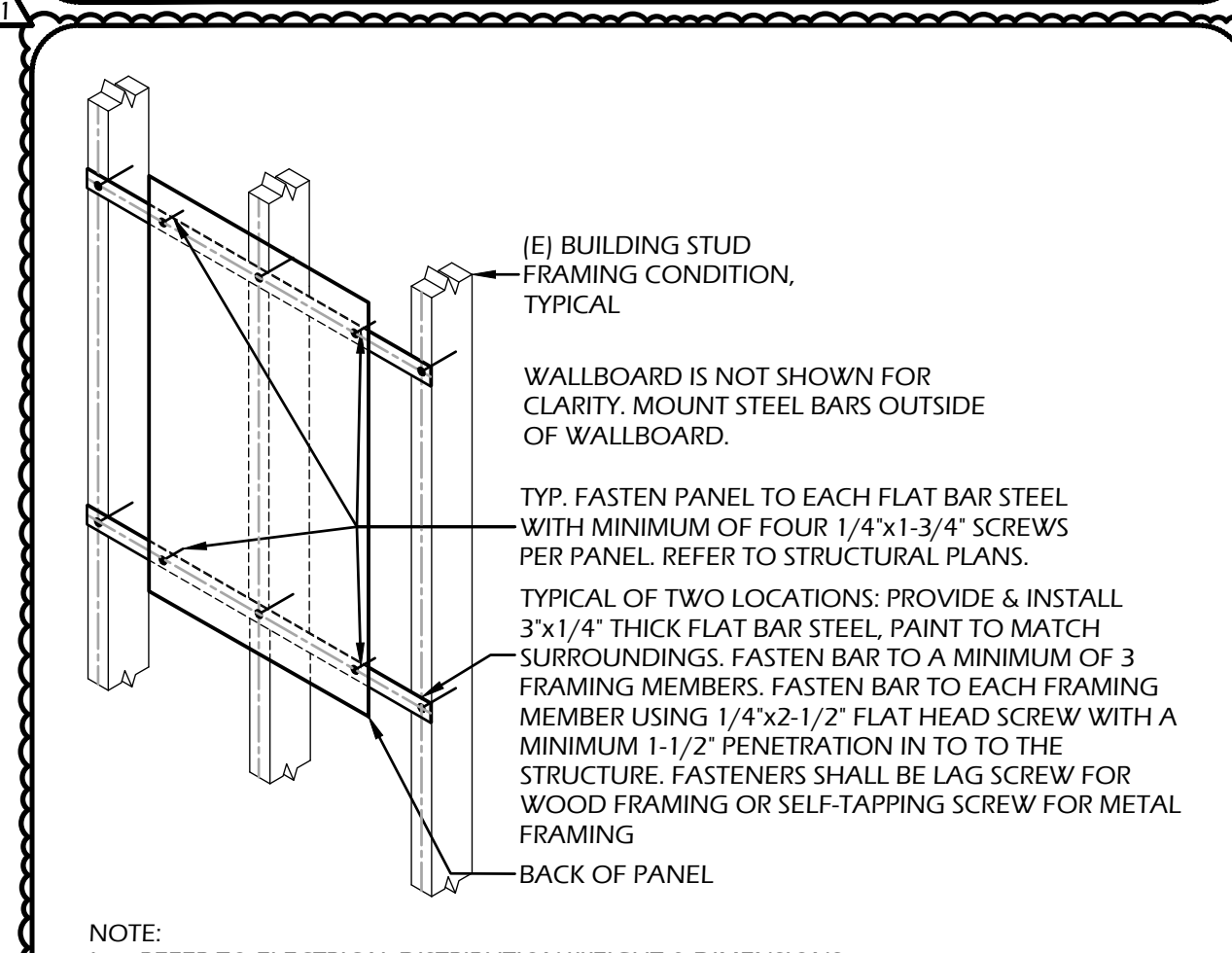
NOTES:
 1. ALL CATALOG NUMBERS ARE FOR WATTSOPPER PRODUCTS, U.O.N.
 2. ALL CONDUCTORS ARE #12 AWG, U.O.N.
 3. CABLES BETWEEN DIMMERS AND BETWEEN DIMMER AND CONTROLLER ARE CAT-5E WITH RJ-45 CONNECTORS.
 4. PROVIDE ALL PROGRAMMING FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.



TYPICAL SWITCHED RECEPTACLE CONTROL

NOT TO SCALE

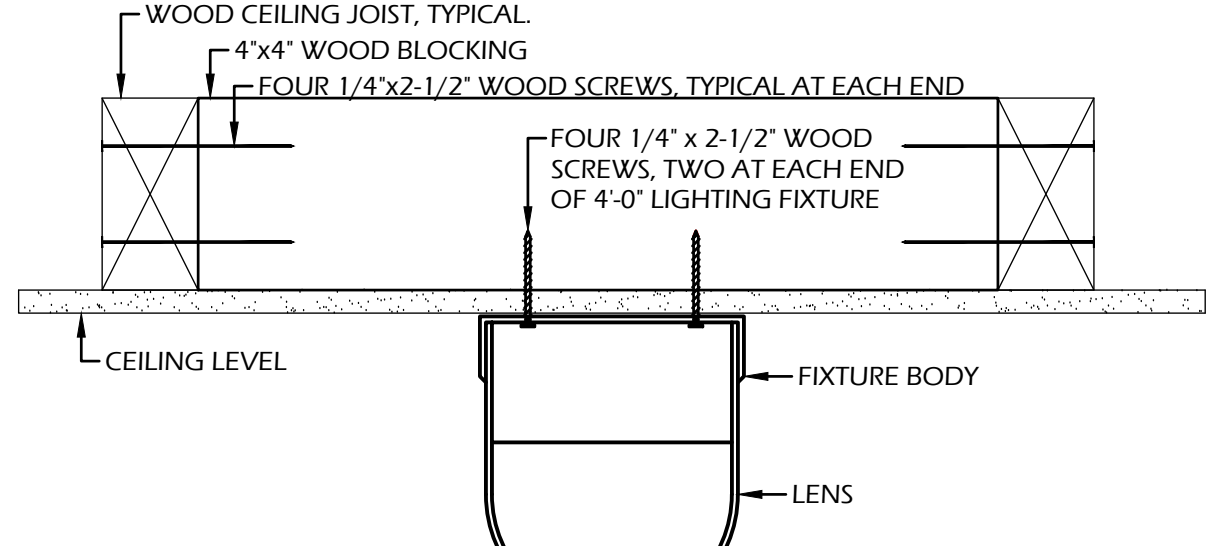
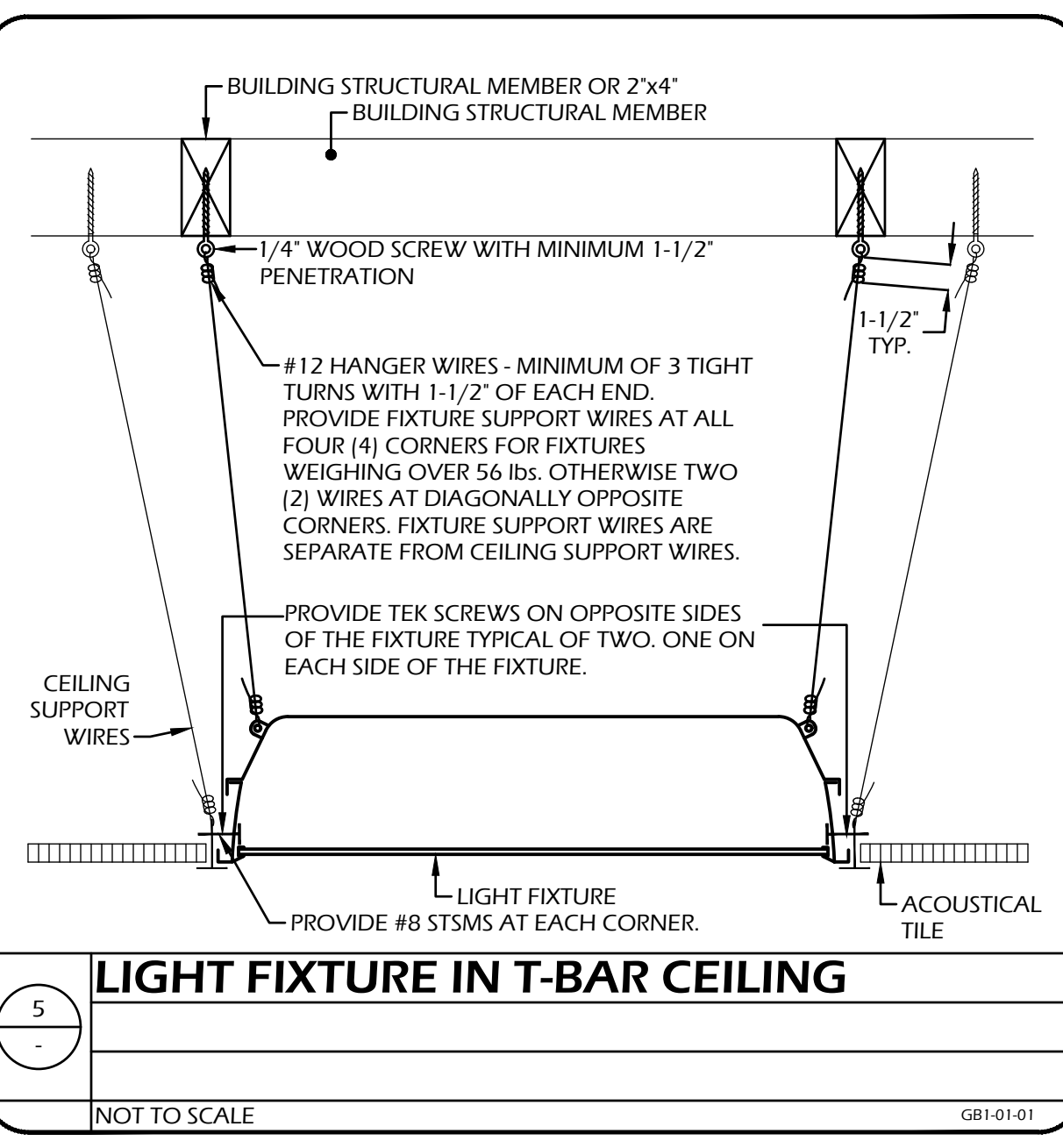
NOTES:
 1. ALL CATALOG NUMBERS ARE FOR WATTSOPPER PRODUCTS, U.O.N.
 2. ALL CONDUCTORS ARE #12 AWG, U.O.N.
 3. CABLES BETWEEN CONTROLLERS, BRIDGE, OCCUPANCY SENSORS, AND VACANCY SENSORS ARE CAT-5E WITH RJ-45 CONNECTORS.
 4. PROGRAM RECEPTACLE CONTROLLER TO TURN OFF SWITCHED RECEPTACLES ONLY WHEN SENSORS DETECT THE ROOM IS EMPTY. RECEPTACLES SHALL NOT BE SWITCHED BY LIGHT SWITCHES OR DIMMERS. RECEPTACLES SHALL BE SWITCHED OFF 1 MINUTE AFTER LIGHTS.
 5. ROOMS REQUIRING SWITCH RECEPTACLES ARE OFFICES, LOBBIES, CONFERENCE ROOMS, KITCHENS, AND COPY ROOMS. RECEPTACLES SUPPLYING EQUIPMENT TO REMAIN ON WHEN ROOM IS VACANT, SUCH AS REFRIGERATORS, NETWORK PRINTERS, NETWORK EQUIPMENT, ETC., ARE EXEMPT.



WALL MOUNTED PANEL MOUNTING DETAIL

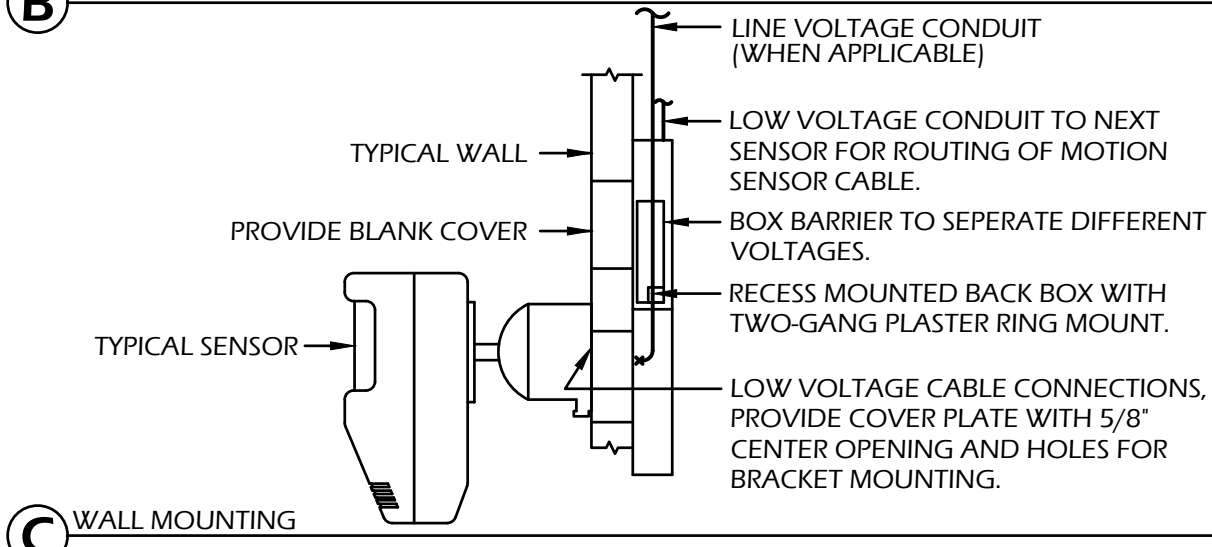
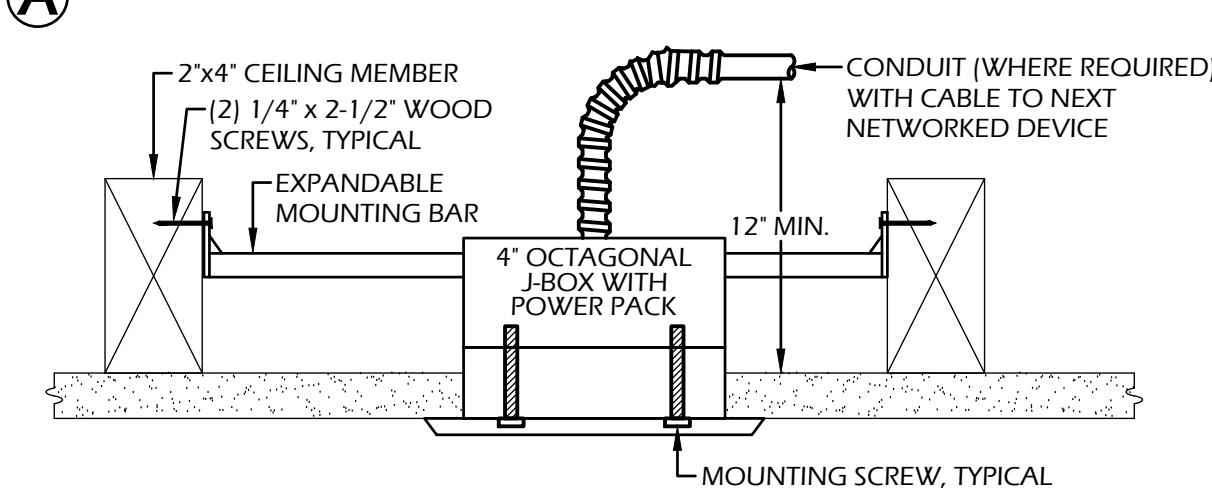
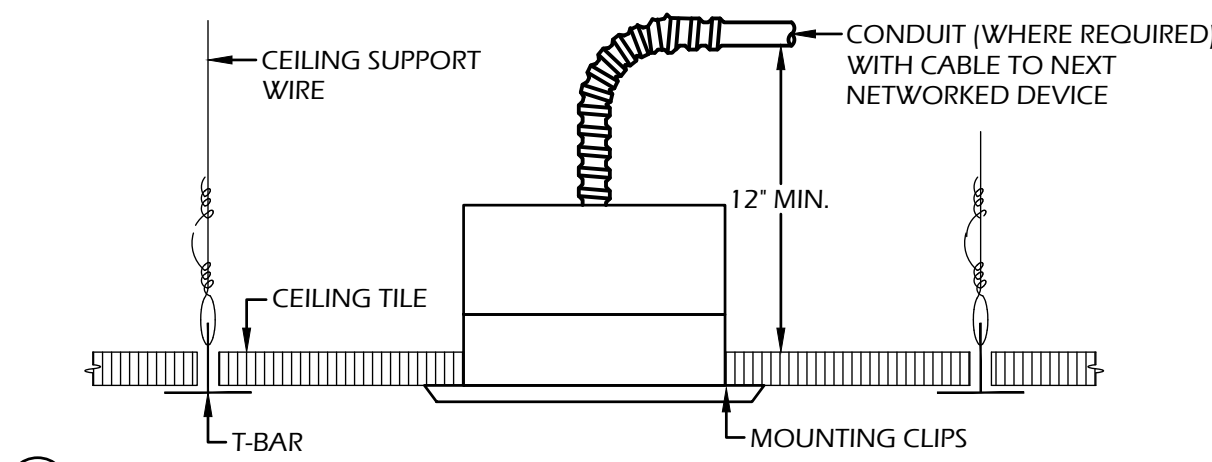
NOT TO SCALE

NOTE:
 1. REFER TO ELECTRICAL DISTRIBUTION WEIGHT & DIMENSIONS SCHEDULE ON SHEET E1.01.02



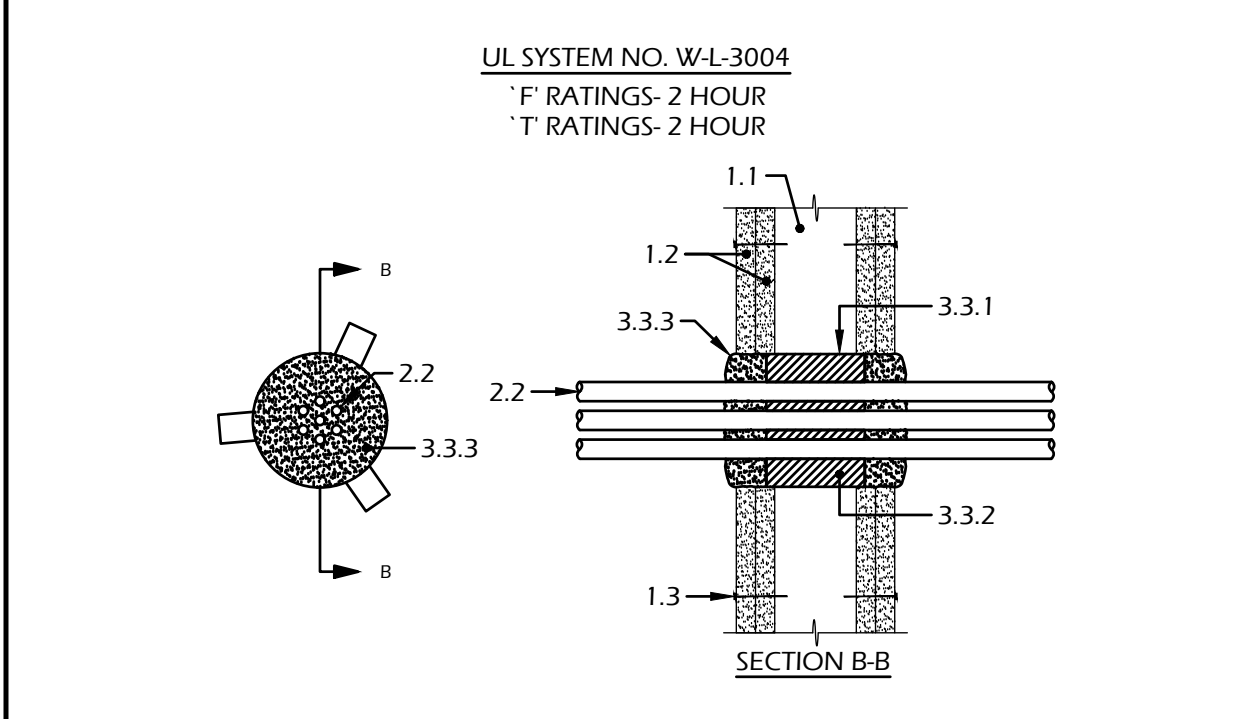
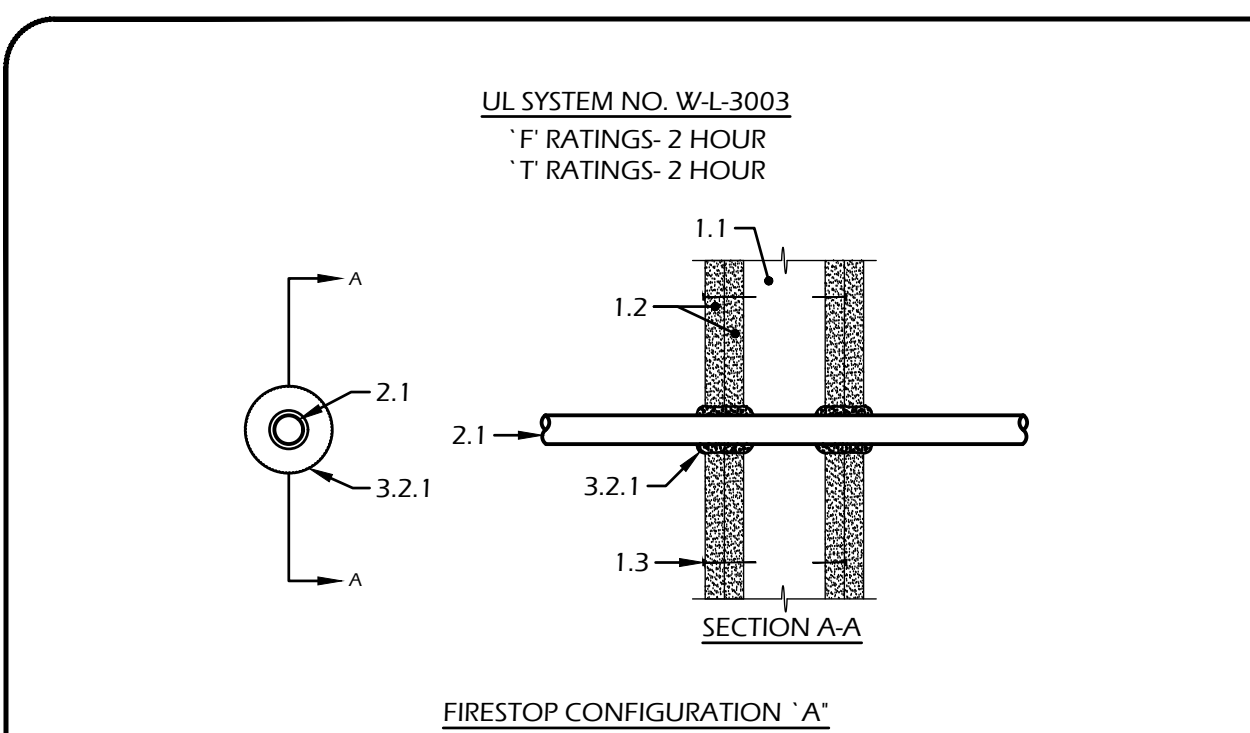
TYPICAL SURFACE MOUNTED FIXTURE ON HARD CEILING

NOT TO SCALE



INTERIOR LIGHTING OCCUPANCY SENSOR MOUNTING

NOT TO SCALE

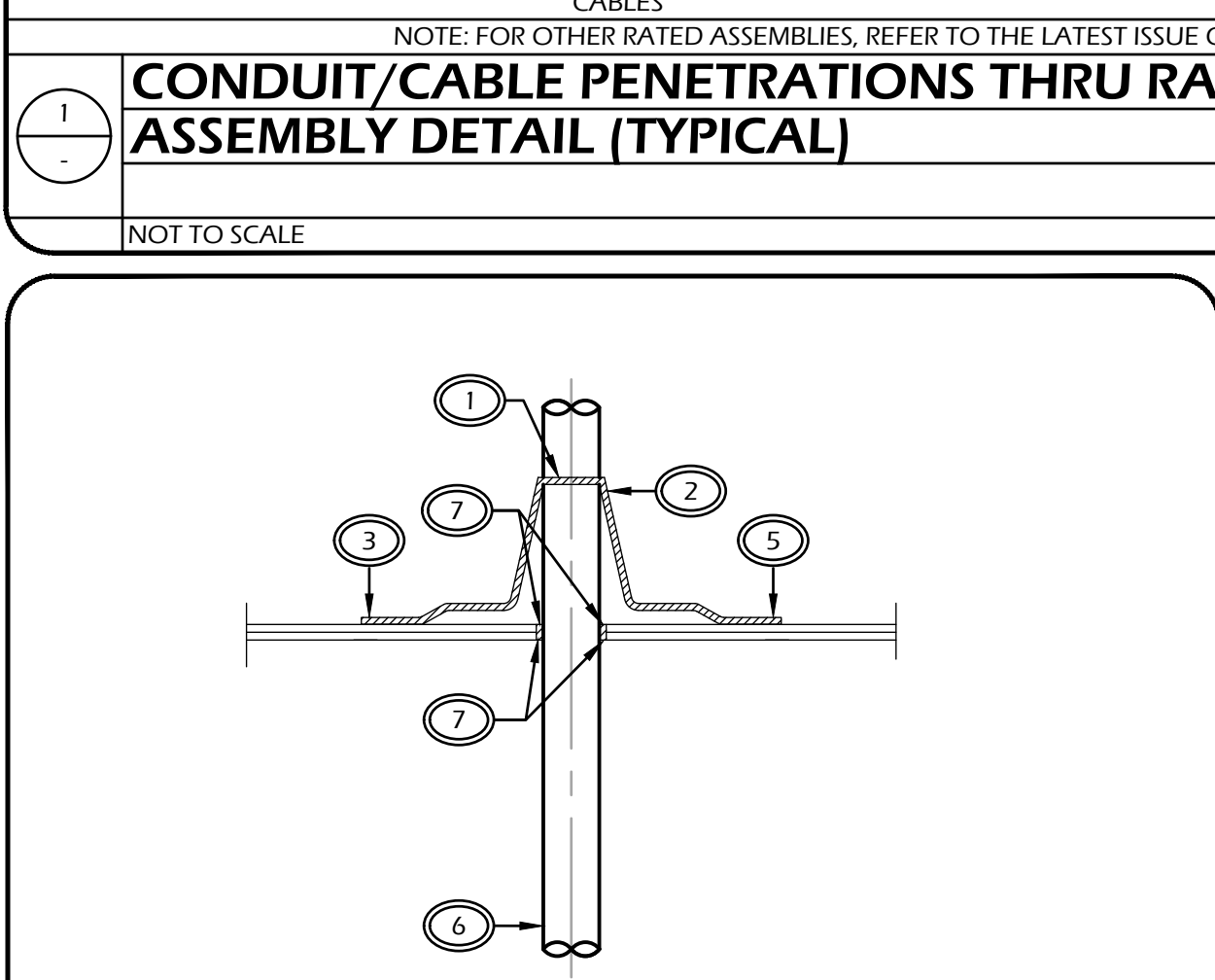


CONDUIT/CABLE PENETRATIONS THRU RATED STUD/WALLBOARD ASSEMBLY DETAIL (TYPICAL)

NOT TO SCALE

NOTE: FOR OTHER RATED ASSEMBLIES, REFER TO THE LATEST ISSUE OF "UNDERWRITERS LABORATORIES, INC., FIRE RESISTANCE DIRECTORY."

1. WALL ASSEMBLY
 1.1. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS.
 1.2. WALLBOARD, GYPSUM-5/8" THICK.
 1.3. FASTENERS: 1-7/8" LONG 6d CEMENT COATED NAILS.
 2. CONDUIT
 2.1. 50 PAIR (OR SMALLER) #24 AWG TELEPHONE CABLE WITH POLYVINYL CHLORIDE JACKET WITH POLYVINYL CHLORIDE INSULATION.
 2.2. TWO CONDUCTOR #24 AWG (OR SMALLER) WITH POLYVINYL CHLORIDE JACKET WITH POLYETHYLENE INSULATION.
 3. FIRESTOP SYSTEM
 3.1. INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE FIRESTOP CONFIGURATION (A OR B) IS DEPENDENT UPON THE TYPE AND SIZE OF THE CABLE AND THE SIZE OF THE ANNULAR SPACE BETWEEN THE CABLE AND THE PERIMETER OF THE CIRCULAR THROUGH OPENING AS TABULATED BELOW:
 3.1.1. ONE 50 PAIR, #24 AWG CABLE: 3/16" ANNULAR SPACE, FIRESTOP CONFIGURATION A.
 3.1.2. UP TO SEVEN 2 CONDUCTOR, #20 AWG CABLES: 3/8" ANNULAR SPACE, FIRESTOP CONFIGURATION B.
 3.2. FIRESTOP CONFIGURATION 'A'
 3.2.1. FILL VOID OR CAVITY MATERIAL (PUTTY): MIN. 1-1/2" THICK LAYER OF PUTTY FIRMLY PACKED WITHIN THE OPENING. ADDITIONAL PUTTY INSTALLED SUCH THAT A MIN. 1/8" CROWN IS FORMED AROUND THE CIRCUMFERENCE TYPE 'FSP'.
 3.2.2. STEEL SLEEVE: NOMINAL 5' LONG CYLINDRICAL SLEEVE WITH NOMINAL 3/4" BY 3" LONG TABS TO RETAIN PUTTY IN POSITION. SLEEVE FORMED OF PRECUT 0.016" THICK (#30 GA.) GALVANIZED STEEL SHEET AVAILABLE FROM PUTTY MANUFACTURERS.
 3.2.3. FORMING MATERIAL: MINERAL WOOL INSULATION HAVING A MIN. DENSITY OF 6 PCF, FIRMLY PACKED WITHIN THE SLEEVE TO A MIN. THICKNESS OF 4".
 3.3. FILL VOID OR CAVITY MATERIAL (PUTTY): MIN. 1" THICK LAYER OF PUTTY MATERIAL FIRMLY PACKED TO FILL THE ANNULAR SPACE BETWEEN THE CABLES, MINERAL WOOL AND PERIPHERY OF THE OPENING. ADDITIONAL PUTTY SHOULD BE INSTALLED SUCH THAT A MIN. 1/8" CROWN IS FORMED AROUND THE CABLES. (NELSON ELECTRIC, UNIT OF GENERAL SIGNAL CORP. - TYPE FSP)

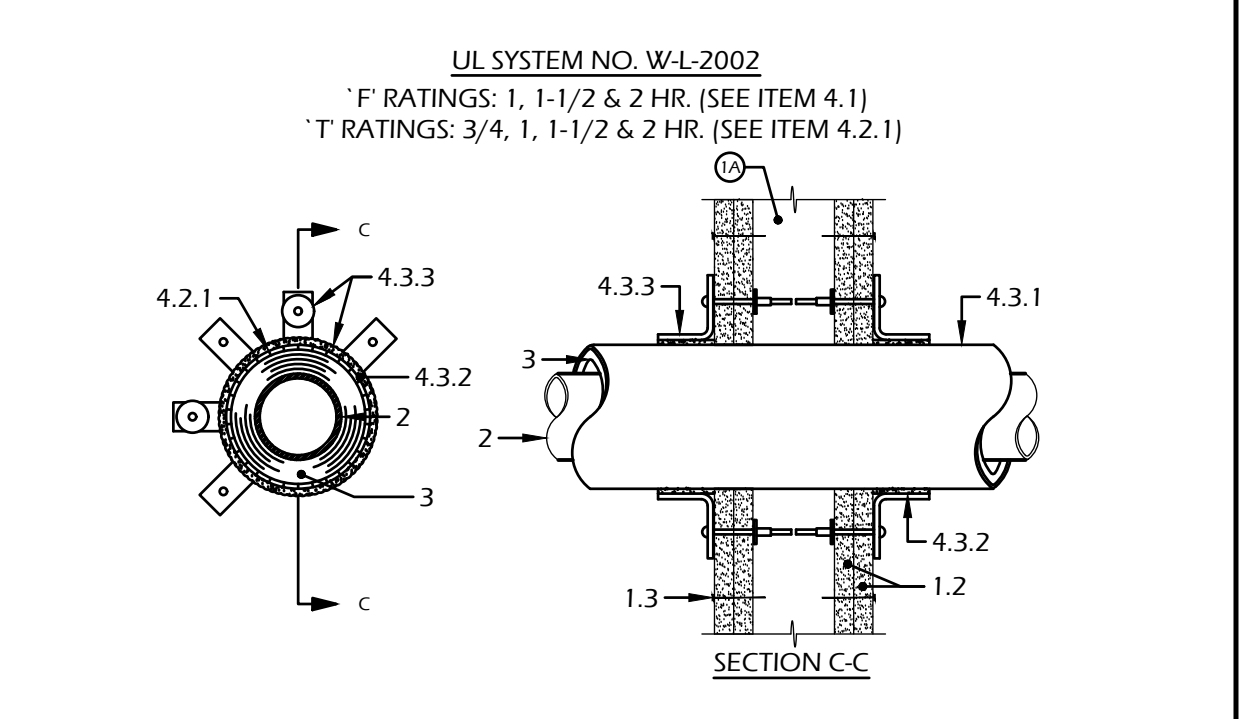
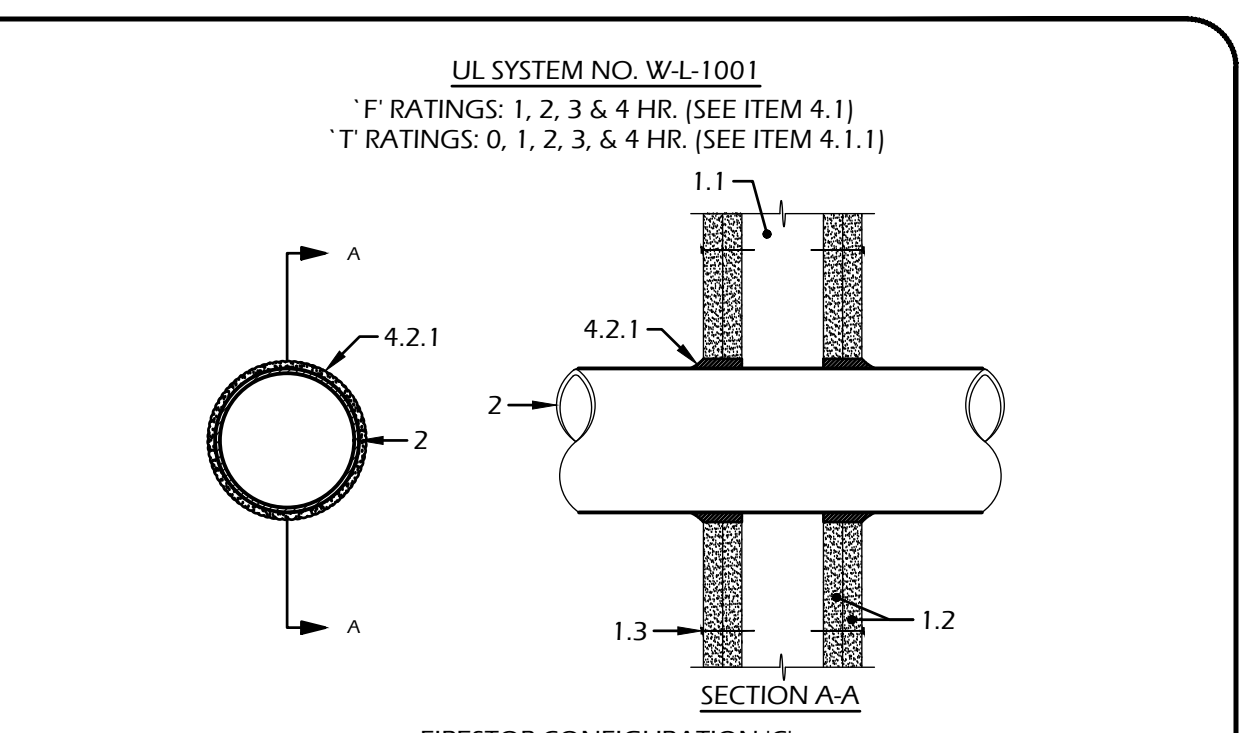


DETAIL NOTES

- SEAL MASTIC
- ROOF JACK, FOR TYPE VERIFY WITH ARCHITECTURAL DRAWING AND SPECIFICATIONS
- REMOVE CAP SHEET, SET ROOF JACK IN HOT ASPHALT
- 1/2" CLEAR
- APPLY 6" FIBER TAPE CENTERED ON PERIMETER OF ROOF JACK BASE IN HOT ASPHALT
- CONDUIT
- CAULK FORCED INTO SPACE TO MAXIMUM EXTENT POSSIBLE. CAULK SHALL BE INSTALLED FLUSH WITH ROOF MEMBRANE AND CEILING.

CONDUIT ROOF PENETRATION

NOT TO SCALE



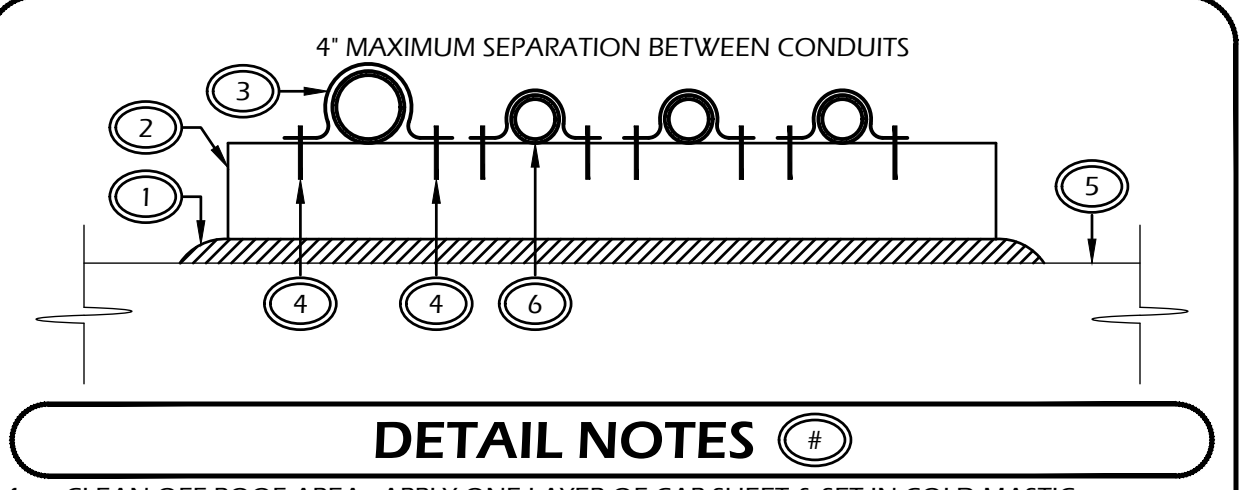
CONDUITS

NOTE: FOR OTHER RATED ASSEMBLIES, REFER TO THE LATEST ISSUE OF "UNDERWRITERS LABORATORIES, INC., FIRE RESISTANCE DIRECTORY."

1. WALL ASSEMBLY
 1.1. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS.
 1.2. WALLBOARD, GYPSUM-5/8" THICK.
 1.3. FASTENERS
 2. CONDUIT
 2.1. PIPE COVERING (OPTIONAL): NOM. 1" OR 2" THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN. 3.5 PCF) GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH FOIL-SCRM-KRAFT.
 4. FIRESTOP SYSTEM
 4.1. INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY 'F' RATING OF THE FIRESTOP SYSTEM IS EITHER (1) OR (2) HOUR DEPENDING UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED. THE HOURLY 'T' RATINGS FOR THE FIRESTOP SYSTEM ARE DEPENDENT UPON THE SIZE OF THE STEEL PIPE OR CONDUIT, THE ABSENCE OR PRESENCE OF PIPE COVERING (ITEMB), THE FIRESTOP CONFIGURATION AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
 4.1.1. MAXIMUM 1" Ø CONDUIT AND 1" COVERING: 3/16" ANNULAR SPACE, FIRESTOP CONFIGURATION C, 1 OR 2 HOUR 'T' RATING
 4.1.2. MAXIMUM 4" Ø CONDUIT AND 1" COVERING: 3/8" ANNULAR SPACE, FIRESTOP CONFIGURATION D, 1 OR 2 HOUR 'T' RATING
 4.2. FIRESTOP CONFIGURATION 'C'
 4.2.1. FILL VOID OR CAVITY MATERIAL - CAULK FILL MATERIAL FORCED INTO ANNULAR SPACE TO MAX. EXTENT POSSIBLE AND WITH A MIN. 1/4" DIAM. BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS EGRESS FROM THE WALL.
 4.3. FIRESTOP CONFIGURATION 'D'
 4.3.1. FILL VOID OR CAVITY MATERIALS (WRAP STRIP): NOMINAL 1/4" THICK INTUMESCENT ELASTOMERIC MATERIAL FACED ON ONE SIDE WITH ALUMINUM FOIL. SUPPLIED IN 2" WIDE STRIPS, NOMINAL 2" WIDE STRIP, THICKLY WRAPPED AROUND PIPE COVERING (FOIL SIDE OUT) WITH SEAM BUTTED AND WITH EDGE OF WRAP STRIP ABUTTING WALL SURFACE. WRAP STRIP TEMPORARILY HELD IN POSITION WITH ALUMINUM FOIL TAPE, STEEL WIRE OR EQUIVALENT.
 4.3.2. FILL VOID OR CAVITY MATERIALS (CAULK): GENEROUS BEAD OF CAULK TO OUTER PERIMETER OF WRAP STRIP AT INTERFACE WITH WALL SURFACE.
 4.3.3. STEEL COLLAR: NOMINAL 2" DEEP COLLAR WITH 1-1/4" WIDE BY 2" LONG ANCHOR TABS AND MINIMUM 1/4" LONG TABS TO RETAIN WRAP STRIP LAYER. COLS OF PRECUT 0.016" THICK (NO. 30 GAUGE) GALVANIZED SHEET STEEL AVAILABLE FROM WRAP STRIP MANUFACTURER.

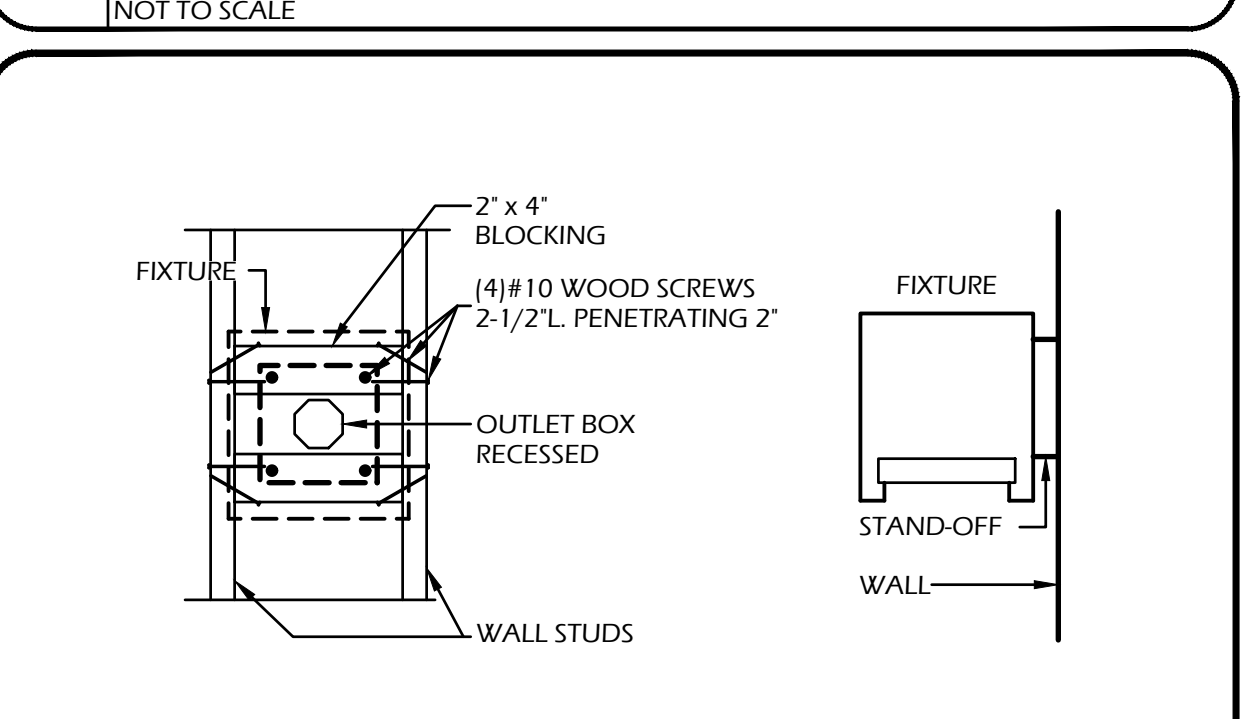
TYPICAL ROOF CONDUIT SUPPORT DETAIL

NOT TO SCALE



DETAIL NOTES

- CLEAN OFF ROOF AREA. APPLY ONE LAYER OF CAP SHEET & SET IN COLD MASTIC.
- PROVIDE AND INSTALL REDWOOD SLEEPER, 4" x 4" (FINISHED) x LENGTH TO SUIT NUMBER OF CONDUITS (MINIMUM LENGTH, 1'-0").
- PROVIDE AND INSTALL CONDUIT STRAP ONE SIZE LARGER THAN CONDUIT FOR EACH CONDUIT. NOTE EVERY FOURTH SUPPORT SHALL HAVE CONDUIT STRAP SIZE FOR CONDUIT.
- FASTEN CONDUIT STRAP TO SLEEPER WITH TWO #8 ROUND HEAD GALVANIZED WOOD SCREWS WITH 1-1/2" MINIMUM PENETRATION. DRILL PILOT HOLE BEFORE SET.
- EXISTING ROOF
- CONDUIT



WALL MOUNTED LIGHT FIXTURE WOOD FRAMING

NOT TO SCALE

REVISIONS:	BY:
ADDENDUM #1	HM



TYPICAL ELECTRICAL DETAILS

VENTURE OFFICE ADDITION FOR SAN JOAQUIN COUNTY OFFICE OF EDUCATION
 STOCKTON, CA
 2829 TRANSWORLD DRIVE

DATE: 08 NOV 24
 SCALE: AS NOTED
 JOB: 899-32-24

E5.01.01

Borrelli & Associates, Inc.
 Consulting Electrical Engineers
 2032 N. Gateway Boulevard
 Fresno, CA 93727
 Phone: 559-233-1138
 http://www.borrelliengineering.com/
 gb-bai@borrelliengineering.com
 P&I Project #24176

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
 Report Page: (Page 10 of 10)
 Project Name: VENTURE OFFICE ADDITION FOR SICOE
 Project Address: 2829 TRANSWORLD DRIVE, STOCKTON, CA, 95206 Date Prepared: 2024-12-23T13:09:50-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

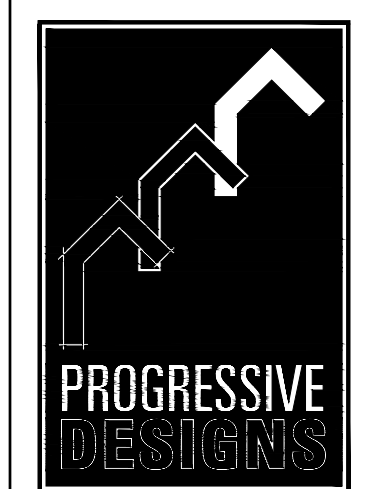
Documentation Author Name: John Borrelli, PE Documentation Author Signature:
 Company: Borrelli and Associates, Inc. Signature Date:
 Address: 2032 NORTH GATEWAY BOULEVARD (SIA HERS Certification Identification (if applicable):
 City/State/Zip: FRESNO, CA 93727 Phone: (559) 233-4138

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

Responsible Designer Name: John Borrelli, PE Responsible Designer Signature:
 Company: Borrelli and Associates, Inc. Date Signed:
 Address: 2032 NORTH GATEWAY BOULEVARD License:
 City/State/Zip: FRESNO, CA 93727 Phone: (559) 233-4138

Generated Date/Time: Documentation Software: Energy Code Ace
 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 248595-1224-0002
 Schema Version: rev 20220101 Report Generated: 2024-12-23 10:09:52

REVISIONS:	BY:
ADDENDUM #1	HM



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INDOOR LIGHTING TITLE 24
 VENTURE OFFICE ADDITION FOR SAN JOAQUIN COUNTY OFFICE OF EDUCATION
 2829 TRANSWORLD DRIVE
 STOCKTON, CA

DATE: 08 NOV 24
SCALE: AS NOTED
JOB: 899-32-24
E6.01.02



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