

ADDENDUM NO. 03

DATE: 08/25/2023

PROJECT:

CAREER TECHNICAL EDUCATION BUILDING RENOVATION
Merced, CA

OWNER:

MERCED COMMUNITY COLLEGE DISTRICT
3600 M Street
Merced, CA 95348

ARCHITECT:

DARDEN ARCHITECTS, INC.
Attention:
6790 N. West Avenue
Fresno, California 93711
T. (559) 448-8051
F. (559) 446-1765



DARDEN PROJECT NO. 2024
DSA FILE NO. 24-C1
DSA APPL. NO. 02-120559
FEDERAL AWARD (EDA) ID NO. 07 01 07748

It will be the responsibility of the General Contractor to submit the information contained in this addendum to all its subcontractors and suppliers. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

The following additions, deletions, and revisions to the SHEETS and Project Manual are hereby made and do become a part of these Contract Documents.

PROJECT: CAREER TECHNICAL EDUCATION BUILDING RENOVATION

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PROJECT MANUAL:

BIDDING AND CONTRACT REQUIREMENTS:

CHANGES TO PRIOR ADDENDAAD3-CPA01

CHANGES TO BIDDING REQUIREMENTS AD3-CBR01 THRU AD3 -CBR02

SPECIFICATIONS:

CHANGES TO SPECIFICATIONSAD3-SP01 THRU SP04

SHEETS:

CHANGES TO SHEETS:

ARCHITECTURAL..... AD3-A01
STRUCTURALAD3 -S01
ELECTRICAL AD3-E01 THRU AD3-E06
COMMUNICATIONS.....AD3-T01 THRU – AD3-T03

SHEETS:

ARCHITECTURALAD3-AX01
ELECTRICAL AD3 -EX01 thru AD3 -EX06
COMMUNICATIONS AD3 -TX01 thru AD3 -TX03

BIDDING AND CONTRACT REQUIREMENTS:

CHANGES TO PRIOR ADDENDA:

AD3-CPA01 Refer to Addendum No.1:

1. Reload Addendum #1 from the school's purchasing page. There were file size issues that led to missing documents when initially uploaded.

PROJECT: CAREER TECHNICAL EDUCATION BUILDING RENOVATION

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CHANGES TO BIDDING REQUIREMENTS:

AD3-CBR01 Refer to FRONT-END DOCUMENTS, GENERAL CONDITIONS:

1. Subcontractor rates are normally based on DIR or whichever is greater.

AD3-CBR02 Refer to FRONT-END DOCUMENTS, SPECIAL CONDITIONS:

1. Refer to EMPLOYMENT OPPORTUNITY FORM – Page 156, Timetables should read as follows "19.8% for minority female participation in each trade and 6.9% for women participation in each trade".

SPECIFICATIONS:

CHANGES TO SPECIFICATIONS:

AD3-SP01 Refer to Specification Section 084113, FOLDING DOOR SYSTEM:

1. Omit Section

AD3-SP02 Refer to Specification Section 096519, SECTION TITLE: RESILIENT TILE

2. Change section 3.7 SCHEDULES, RT-1 to:

3.7 SCHEDULES

A. Luxury Vinyl Tile - Flexible

RT-1.

1. Manufacturer: MOHAWK GROUP.
2. Product Name: Living Local Collection, Premium Wood
3. Physical Characteristics:
 - a. Wearing Surface: Smooth.
 - b. Classification of Composition per ASTM F 1700 "Specification for Solid Vinyl Floor Tile":
 - 1) Class III.
 - c. Overall Thickness: 2.5 mm (0.1").
 - d. Wear Layer: 20 mil.
 - e. Tile Size: 7.75" W x 52" L.
 - f. Static Load Limit per ASTM F 970 "Test method for Static Load Limit": 1) 1500 psi.
4. Performance Characteristics:
 - a. Critical Radiant Flux per ASTM E 648 "Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source":
 - 1) Class 1, not less than 0.45 W/sq.cm.
 - b. Smoke Density per ASTM E 662 "Test method for Specific Optical Density of Smoke Generated by Solid Materials":
 - 1) Less than 450.

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AD3-SP03 Refer to Specification APPENDIX "B": INTERIOR COLOR SCHEDULE

3. Change section RESILIENT TILE, Luxury Vinyl Tile to
RT-1 Mohawk 829 Living Local Collection, Premium Wood
Color, Sandy

AD3-SP04 Refer to Specification Section 015000, TEMPORARY FACILITIES AND CONTROLS:

1. Refer to Temporary Utilities, 5. Electrical, a:
Revise to state the following:
 - a. The Owner will pay and the Contractor shall provide for all electrical facilities and services for all purposes of power and lighting for construction at a location given by Owner. The scope of the work at some point will result in the buildings power to cut off. Therefore, leading to the options below:
Option 1: Connect to the main feeder going into the building. Disconnect at the end of construction is required.
Option 2: Connect into the existing switchgear near the IT building which will require a step down from 480V with a temporary transformer, running the power to the building through a trench covered by a trench plate in the asphalt. Disconnect and patching of asphalt will be required at the end of construction.
- 1) The Contractor shall pay for cost of electrical energy required in connection with the testing of such equipment as generators, transformers, power machinery, and similar equipment installed in the work.

SHEETS:

CHANGES TO SHEETS:

ARCHITECTURAL:

AD3-A01 Refer to Sheet X/A102, RATED FLOOR, ROOF & CEILING ASSEMBLIES:

1. Replace sheet with attached sheet X/A102, RATED FLOOR, ROOF, & CEILING ASSEMBLIES with AD3-AX01 in the lower right corner. Changes are in the clouded area(s).

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STRUCTURAL:

AD3-S01 Refer to Sheet X/S101, TYPICAL PROJECT NOTES AND DETAILS:

1. Refer to Detail J4 - STEEL NOTES and omit note 18.

ELECTRICAL:

AD3-E01 Refer to Sheet SD/E100, SITE ELECTRICAL PLAN:

1. Replace sheet with attached sheet SD/E100, SITE ELECTRICAL PLAN with AD3-EX01 in the lower right corner. Changes are in the clouded area(s).

AD3-E02 Refer to Sheet E005, ELECTRICAL SCHEDULES:

1. Replace sheet with attached sheet E005, ELECTRICAL SCHEDULES with AD3-EX02 in the lower right corner. Changes are in the clouded area(s).

AD3-E03 Refer to Sheet E501, FIRE ALARM RISER DIAGRAM:

1. Replace sheet with attached sheet E501, FIRE ALARM RISER DIAGRAM with AD3-EX03 in the lower right corner. Changes are in the clouded area(s).

AD3-E04 Refer to Sheet E/A101, 1ST FLOOR ELECTRICAL POWER PLAN:

1. Replace sheet with attached sheet E/A101, 1ST FLOOR ELECTRICAL POWER PLAN with AD3-EX04 in the lower right corner. Changes are in the clouded area(s).

AD3-E05 Refer to Sheet E/A102, 2ND FLOOR ELECTRICAL POWER PLAN:

1. Replace sheet with attached sheet E/A102, 2ND FLOOR ELECTRICAL POWER PLAN with AD3-EX05 in the lower right corner. Changes are in the clouded area(s).

AD3-E06 Refer to Sheet E/A201, 1ST FLOOR LIGHTING PLAN:

1. Replace sheet with attached sheet E/A201, 1ST FLOOR LIGHTING PLAN with AD3-EX06 in the lower right corner. Changes are in the clouded area(s).

COMMUNICATIONS:

AD3-T01 Refer to Sheet X/T101, TELECOMMUNICATION SYMBOLS LEGEND AND GENERAL NOTES:

1. Replace sheet with attached sheet X/T101, TELECOMMUNICATION SYMBOLS LEGEND AND GENERAL NOTES with AD3-TX01 in the lower right corner. Changes are in the clouded area(s).

AD3-T02 Refer to Sheet X/T201, TELECOMMUNICATIONS RISER DIAGRAM:

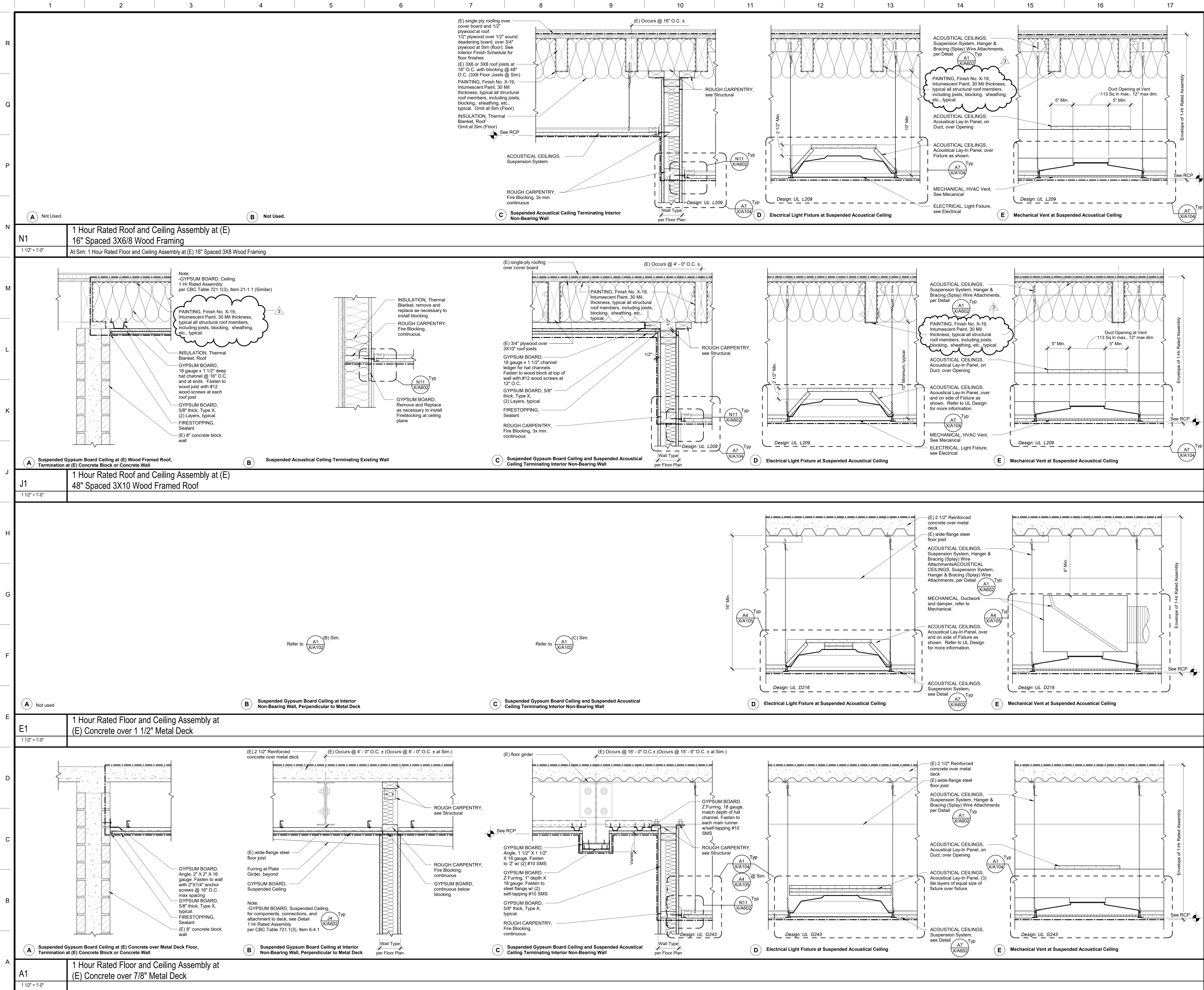
1. Replace sheet with attached sheet X/T201, TELECOMMUNICATIONS RISER DIAGRAM with AD3-TX02 in the lower right corner. Changes are in the clouded area(s).

AD3-T03 Refer to Sheet T/A301, 1ST FLOOR COMM/AV PLAN:

1. Replace sheet with attached sheet T/A301, 1ST FLOOR COMM/AV PLAN with AD3-TX03 in the lower right corner. Changes are in the clouded area(s).

END OF ADDENDUM NO. 03

8/24/2023 7:42:14 AM
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DSA File No.:
24-C1

DSA Application No.:
02-120559

Agency Approval

Section A-A

(E) steel floor/roof beam flange and column connection

FIRESTOPPING, saffing insulation

FIRESTOPPING, fill, void, or cavity material

(at top of column)

UL Design No. X528
(Plan)

GYPSUM BOARD, Accessories, Outside Corner Reinforcement, No. 28 MSG galv steel, 1-1/4 in. legs. Fasten w/ #6 by 1 in. screws spaced 12 in. O.C. max.

GYPSUM BOARD, Type "X", 1/2" thick, minimum, (2) layers, applied vertically

METAL FRAMING, Stud, 1-5/8 in. wide with 1-5/16 and 1-7/16 in. legs having a 1/4-in. folded flange, fabricated from min. 0.0179 in. thick bare metal thickness steel. Length to be 1/2 in. less than the assembly height. Install to column with #12 self tapping screws at 12" O.C., typical.

(E) steel column, 4" x 4" x 3/16" minimum size per UL

Notes:

1. Provide INSULATION, Draft Stop at top of Sound Walls per Details A7 & A11-X/A603 See X/A101 for more information

The Intumescent Paint (30 Mil) is required at all New/Existing wood flooring and New/Existing roof wood elements including, framing, blocking, sheathing, etc.

General Notes

Career Technical Education Building Renovation

Merced College

3600 M St, Merced, CA 95348

Project

RATED FLOOR, ROOF, & CEILING ASSEMBLIES

Drawing

ARCHITECTURE

PLANNING

INTERIORS

darden architects

www.dardenarchitects.com

6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

Architect

No.

Revision/Submission

Date

3

Addendum No. 3

8/25/2023

Revision

Designed Designer

Copyright 2023 Darden Architects

Scale: As indicated

Drawn By: Author

Project Number: 2024

Checked IChecker

Date: 07/14/2023

Reviewed Approver

X/A102

AD3-AX01



AD3-EX01

C:\Users\willamb\Desktop\Project Shortcuts\2024\AC-CTE-Building-V16_willamb.rvt

C:\Users\Rogers\AppData\Local\Temp\AcPublish_13160\22-8066_E003-E004_ELEC SCHEDULES.dwg - Rogers - Aug 24, 2023 - 10:01am

BUS RATING: 400A 120/208V, 3PH, 4W MAIN LUGS ONLY SPACES: 84 FULL SIZE BOLT-ON CB SPACES AIC RATING: 42 KAIC PANEL										(N) PANEL LA2										SURFACE MOUNT, NEMA 1 LOCATION: CUST 126 WITH EQUIPMENT GND BUS									
LOAD										CONNECTED VA																			
CKT	DIST	NOTES	TYPE	CKT	DESCRIPTION	TRIP	POLES	COND. SIZE	PHASE A	PHASE B	PHASE C	COND. SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD	TYPE	NOTES	DIST	CKT	%WD							
0.59%	43		N	1	ELECTRIC DRINKING FOUNTAIN	20	1	12	300	720		12	1	20	OPEN OFFICE 113 CONTROLLED	2	R			68	1.35%								
1.74%	112		R	3	LECTURE ROOM 124	20	1	10	900	720		12	1	20	OPEN OFFICE 113 UNCONTROLLED	4	R			68	1.35%								
1.78%	72		R	5	LECTURE ROOM 124	20	1	12	1080	1080		10	1	20	OFFICES 110,120,121 UNCONTROLLED	6	R			86	1.60%								
0.85%	43		R	7	LECTURE ROOM 124	20	1	12	720	1080		10	1	20	OFFICES 110,120,121 UNCONTROLLED	8	R			86	1.60%								
0.59%	43		N	9	LECTURE ROOM 124 MOTORIZED SCREEN	20	1	12	500	720		12	1	20	OFFICES 122,123 CONTROLLED	10	R			92	1.82%								
0.59%	43		N	11	LECTURE ROOM 125 MOTORIZED SCREEN	20	1	12	500	720		12	1	20	OFFICES 122,123 UNCONTROLLED	12	R			92	1.82%								
3.02%	122		R	13	LECTURE ROOM 125	20	1	12	900	1080		12	1	20	OFFICES 109,110,111 UNCONTROLLED	14	R			75	2.23%								
0.86%	58		R	15	LECTURE ROOM 125	20	1	12	540	1080		12	1	20	OFFICES 109,110,111 UNCONTROLLED	16	R			75	2.23%								
0.74%	50		R	17	LECTURE ROOM 125	20	1	12	540	540		12	1	20	OFFICE 117 CONTROLLED	18	R			62	0.92%								
1.02%	37		R	19	OPEN OFFICE 113	20	1	12	1000	720		12	1	20	OFFICE 117 UNCONTROLLED	20	R			62	1.23%								
1.02%	37		R	21	OPEN OFFICE 113	20	1	12	1000	900		12	1	20	LOUNGE 118	22	R			77	1.91%								
1.05%	38		R	23	OPEN OFFICE 113	20	1	12	1000	720		12	1	20	OFFICE 209,210 CONTROLLED	24	R			93	1.84%								
0.84%	66	5	M	25	FC-1	15	3	12	924	1080		10	1	20	OFFICE 209,210 UNCONTROLLED	26	R			93	1.73%								
0.84%	66	5	M	27	FC-1		3	12	924	1080		10	1	20	OFFICE 212,213 CONTROLLED	28	R			95	1.77%								
0.84%	66	5	M	29	FC-1		3	12	924	1080		10	1	20	OFFICE 212,213 UNCONTROLLED	30	R			95	1.77%								
0.66%	67	5	M	31	FC-2	15	3	12	720	900		12	1	20	OFFICE 206,207 CONTROLLED	32	R			64	1.58%								
0.66%	67	5	M	33	FC-2		3	12	720	1080		12	1	20	OFFICE 206,207 UNCONTROLLED	34	R			64	1.90%								
0.66%	67	5	M	35	FC-2		3	12	720	500		12	1	20	BREAKROOM 208	36	R			50	0.69%								
			M	37	EXISTING FAN COILS	20	1	12	300	300		12	1	20	EXISTING FAN COILS	38	M			62	0.51%								
			M	39	EXISTING FAN COILS	20	1	12	300	300		12	1	20	EXISTING FAN COILS	40	M			76	0.63%								
0.69%	50		R	41	BREAKROOM 208	20	1	12	500	2640		6	2	50	EXISTING FAN COIL	42	M			32	0.33%								
0.98%	153		M	43	EXISTING A/C ON ROOF	60	3	4	3000	2640		6	2		EXISTING FAN COIL	44	M			32	0.33%								
0.98%	153		M	45	EXISTING A/C ON ROOF		3	4	3000	2640		6	2	50	EXISTING FAN COIL	46	M			34	0.35%								
0.98%	153		M	47	EXISTING A/C ON ROOF		3	4	3000	2640		6	2		EXISTING FAN COIL	48	M			34	0.35%								
0.43%	67		M	49	EXISTING A/C ON ROOF	60	3	4	3000	696		8	1	20	EXISTING EF ON ROOF	50	M			60	0.45%								
0.43%	67		M	51	EXISTING A/C ON ROOF		3	4	3000	696		8	1	20	EXISTING EF ON ROOF	52	M			55	0.41%								
0.43%	67		M	53	EXISTING A/C ON ROOF		3	4	3000	696		8	1	20	EXISTING EF ON ROOF	54	M			73	0.55%								
0.62%	45		N	55	BUSINESS 217 MOTORIZED SCREEN	20	1	12	500	360		8	1	20	ROOF	56	R			66	0.26%								
0.95%	48		R	57	BUSINESS 217	20	1	12	720	1000		12	1	20	BREAKROOM 208	58	R			58	1.60%								
1.38%	93		R	59	BUSINESS 217	20	1	12	540	540		12	1	20	OFFICE 205,208,208A UNCONTROLLED	60	R			98	1.46%								
0.61%	62		R	61	IDF 214	20	1	12	360	900		10	1	20	OFFICE 205,208,208A UNCONTROLLED	62	R			98	1.52%								
0.61%	62		R	63	IDF 214	20	1	12	360	300		12	1	20	IDF 214	64	R												
1.29%	65		R	65	IDF 214	20	1	12	720	360		12	1	20	IDF 214	66	R												
0.39%	38		M	67	EXISTING FAN COIL	50	2	6	2640	2640		12	3	20	SPARE	68													
0.39%	38		M	69	EXISTING FAN COIL		2	6	2640	1320		12	3	20	FC-6	70	M			5	66	1.20%							
0.45%	43		M	71	EXISTING FAN COIL	50	2	6	2640	1320		12	3	20	FC-6	72	M			5	66	1.20%							
0.45%	43		M	73	EXISTING FAN COIL		2	6	2640	1320		12	3	20	FC-6	74	M			5	66	1.20%							
0.45%	43		M	75	EXISTING FAN COIL	50	2	6	2640	924		12	3	15	FC-7	76	M			5	66	0.84%							
0.45%	43		M	77	EXISTING FAN COIL		2	6	2640	924		12	3	20	FC-7	78	M			5	66	0.84%							
0.48%	46		M	79	EXISTING FAN COIL	50	2	6	2640	924		12	3	20	FC-7	80	M			5	66	0.84%							
0.48%	46		M	81	EXISTING FAN COIL		2	6	2640	2640		12	1	20	SMOKE FIRE DAMPERS	82	N			4									
1.34%	90		R	83	BUSINESS 217	20	1	12	540	540		12	1	20	SMOKE FIRE DAMPERS	84	N			4									
CON: 32564 32704 31924 25%: 0 0 0 SUB: 0 0 0 TOT: 32564 32704 31924 AMPS: 271 273 266										LOAD (VA) LOAD TYPE LEGEND 25%: 0 0 0 SUB: 0 0 0 TOT: 32564 32704 31924 AMPS: 271 273 266 0 R RECEPTACLE 0 L LIGHTING (125% OF CONNECTED LOAD CEC 215.2) 64632 M MECHANICAL 0 K KITCHEN APPLIANCE 2000 N NON-CONTINUOUS MSC 0 C CONTINUOUS MSC (125% OF CONNECTED LOAD CEC 215.2)																			

BUS RATING: 200A 120/208V, 3PH, 4W MAIN LUGS ONLY SPACES: 42 FULL SIZE BOLT-ON CB SPACES AIC RATING: 42 KAIC PANEL										(N) PANEL LA3 CONNECTED VA										SURFACE MOUNT, NEMA 1 LOCATION: STORAGE 223 WITH EQUIPMENT GND BUS									
LOAD										COND. SIZE										COND. SIZE									
CKT	DIST	NOTES	TYPE	CKT	DESCRIPTION	TRIP	POLES	COND. SIZE	PHASE A	PHASE B	PHASE C	COND. SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD	TYPE	NOTES	DIST	CKT	%WD							
1.68%	195		N	1	BUSINESS 218 MOTORIZED SCREEN	20	1	10	500	720		12	1	20	VOC LECTURE 222	2	R			66	1.31%								
3.01%	243		R	3	BUSINESS 218	20	1	10		720	720	12	1	20	VOC LECTURE 222	4	R			44	0.87%								
2.47%	199		R	5	BUSINESS 218	20	1	10			720	12	1	20	VOC LECTURE 222	6	R			89	2.20%								
1.65%	177		R	7	BUSINESS 218	20	1	10	540			12	1	20	SMOKE FIRE DAMPERS	8	N			4									
1.97%	143		N	9	BUSINESS 219 MOTORIZED SCREEN	20	1	12		500		12	1	20	SMOKE FIRE DAMPERS	10	N			4									
2.87%	185		R	11	BUSINESS 219	20	1	10			800	1	20	SPARE	12														
2.37%	153		R	13	BUSINESS 219	20	1	10	900			1	20	SPARE	14														
1.40%	102		N	15	MANAGEMENT 220 MOTORIZED SCREEN	20	1	12		500		1	20	SPARE	16														
1.70%	137		R	17	MANAGEMENT 220	20	1	10			720	12	3	20	FC-8	18	M			5	119	2.16%							
1.81%	146		R	19	MANAGEMENT 220	20	1	10	720	1320		12	3	20	FC-8	20	M			5	119	2.16%							
0.96%	70		N	21	VOC LECTURE 221 MOTORIZED SCREEN	20	1	12		500	1320	12	3	20	FC-8	22	M			5	119	2.16%							
2.24%	113		R	23	VOC LECTURE 221	20	1	12			720	12	3	15	FC-9	24	M			5	119	0.78%							
1.76%	89		R	25	VOC LECTURE 221	20	1	12	720	480		12	3	15	FC-9	26	M			5	119	0.78%							
1.34%	90		R	27	VOC LECTURE 221	20	1	12		540	480	12	3	15	FC-9	28	M			5	119	0.78%							
0.56%	41		N	29	VOC LECTURE 222 MOTORIZED SCREEN	20	1	12			500	12	3	15	FC-10	30	M			5	61	0.60%							
1.65%	91	5	M	31	COU-1	35	2	8	2912	720		12	3	15	FC-10	32	M			5	61	0.60%							
1.65%	91	5	M	33	COU-1			8		2912	720		12	3	15	FC-10	34	M			5	61	0.60%						
1.41%	85	5	M	35	COU-2	25	2	10			1654	12	3	15	FC-11	36	M			5	63	0.62%							
1.41%	85	5	M	37	COU-2			2	10	1654	720	12	3	15	FC-11	38	M			5	63	0.62%							
1.32%	80	5	M	39	COU-3	25	2	10			1654	12	3	15	FC-11	40	M			5	63	0.62%							
1.32%	80	5	M	41	COU-3			2	10		1654	12	1	20	ROOF	42	R												
SUB										LOAD (VA) LOAD TYPE LEGEND																			
CONC										25% R REDUPTABLE																			
CONC										0 L LIGHTING (12% OF CONNECTED LOAD DEC 215.2)																			
TOT: 11916										22200 M MECHANICAL																			
AMPS 99										94 93 K KITCHEN APPLIANCE																			
										2500 N NON-CONTINUOUS MISC																			
										0 C CONTINUOUS MISC (12% OF CONNECTED LOAD DEC 215.2)																			

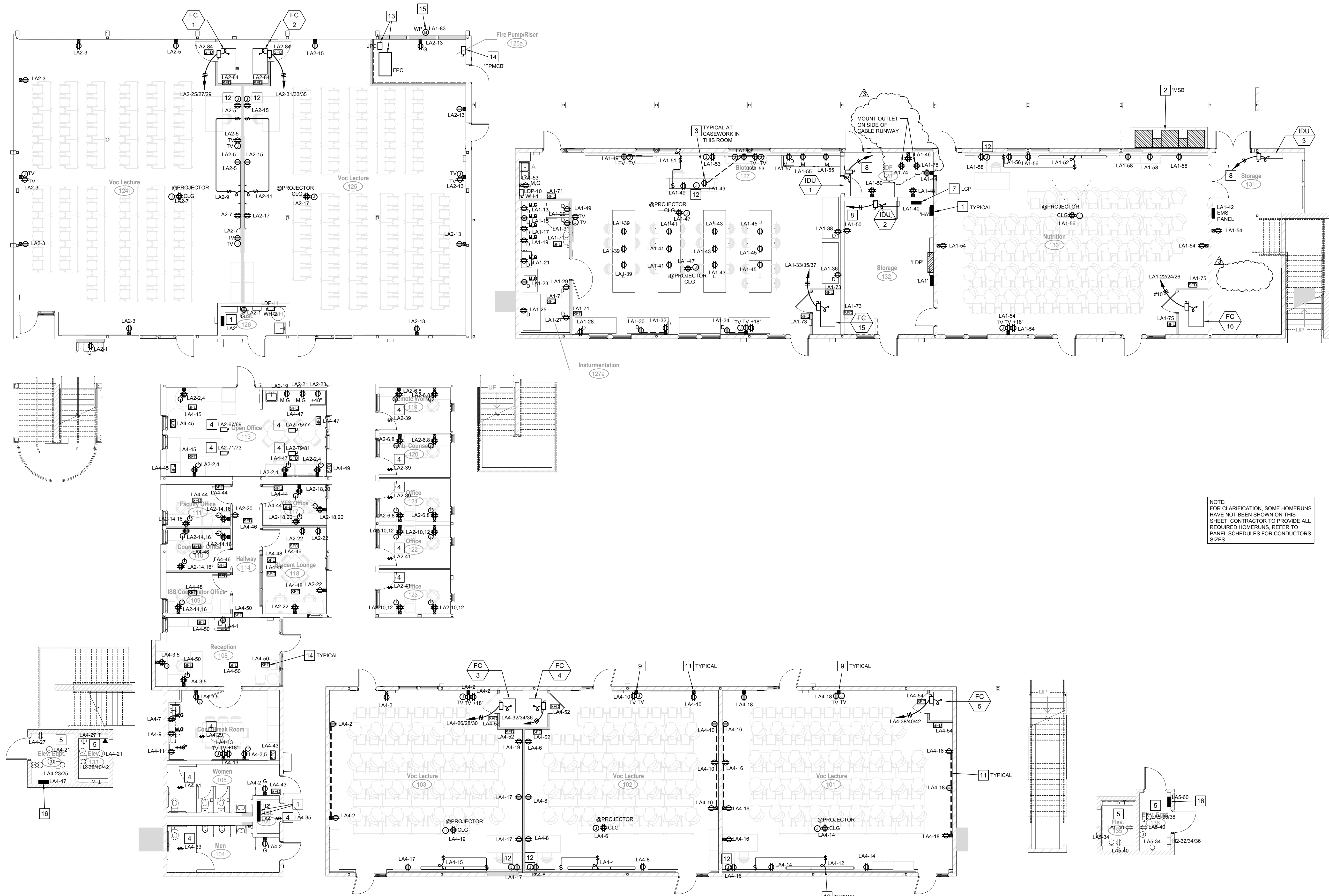


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1st FLOOR ELECTRICAL POWER PLAN

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



DSA File No.:
24-C1

DSA Application No.:
02-120559

Agency Approval

Sheet Reference Notes

- ELECTRICAL PANEL, SEE SINGLE LINE DIAGRAM AND REFER TO PANEL SCHEDULES.
- MAIN SWITCHBOARD 'MSB', SEE SINGLE LINE DIAGRAM.
- MOUNT OUTLET IN / ON CASEWORK AS DIRECTED BY ARCHITECT. RUN ASSOCIATED CONDUIT IN CASEWORK. COORDINATE INSTALLATION WITH CASEWORK PROVIDER. CASEWORK IS AN ALTERNATE BID. IF CASEWORK ALTERNATE BID IS NOT ACCEPTED PROVIDE AND INSTALL FLOOR BOXES AND UNDERSLAB CONDUIT AT THESE LOCATIONS. SAWCUT AND PATCH EXISTING FLOOR AS REQUIRED.
- PROVIDE NEW BRANCH CIRCUIT TO EXISTING FAN COIL / HVAC UNIT / EXHAUST FAN. FIELD VERIFY COMPLETE REQUIREMENTS.
- PROVIDE NEW BRANCH CIRCUITS TO ALL EXISTING ELEVATOR EQUIPMENT. FIELD VERIFY COMPLETE REQUIREMENTS.
- NOT USED.
- LIGHTING CONTROL PANEL, SEE LIGHTING CONTROL DIAGRAM.
- PROVIDE LINE VOLTAGE CONNECTION FROM INDOOR UNIT TO CORRESPONDING OUTDOOR UNIT AS PER MECHANICAL PLANS.
- WIREMOLD 5500 THREE COMPARTMENT SURFACE MOUNTED RACEWAY WITH OUTLETS AS SHOWN. FOR OUTLETS AT TV LOCATION, VERIFY MOUNTING HEIGHTS WITH ARCHITECTURAL PLANS. RUN WIREMOLD TO CEILING. PROVIDE ESCUTCHION PLATE CONNECTION AT CEILING TRANSITION. REFER TO COMMUNICATION PLANS FOR ADDITIONAL OUTLETS IN WIREMOLD. SEE DETAIL 1/E601.
- PROVIDE CONNECTION TO MOTORIZED PROJECTOR SCREEN AND CONTROLS AS PER MANUFACTURERS RECOMMENDATIONS.
- WIREMOLD SURFACE MOUNTED RACEWAY.
- TRUE 5S JUNCTION BOX WITH (2) 1-1/2" C.O. STUBS TO ACCESSIBLE CEILING SPACE.
- PROVIDE CONNECTION TO FIRE PUMP / JOCKEY PUMP CONTROLLER AS PER FIRE PROTECTION DRAWINGS. SEE SINGLE LINE DIAGRAM.
- PROVIDE 120V CONNECTION TO FIRE / SMOKE DAMPER AS PER MECHANICAL PLANS. RUN CONDUCTORS IN EMT CONDUIT.
- PROVIDE 120V CONNECTION TO FIRE SPRINKLER BELL AS PER FIRE PROTECTION DRAWINGS. RUN CONDUCTORS IN EMT CONDUIT.
- PROVIDE 120V CONNECTION TO ELEVATOR TWO-WAY COMMUNICATIONS SYSTEM CONTROL PANEL AS PER ARCHITECTURAL PLANS. VERIFY EXACT LOCATION WITH ARCHITECTURAL PLANS PRIOR TO INSTALLATION. RUN CONDUCTORS IN EMT CONDUIT.

General Notes

NOTE:
FOR CLARIFICATION, SOME HOMERUNS
HAVE NOT BEEN SHOWN ON THIS
SHEET. CONTRACTOR TO PROVIDE ALL
REQUIRED HOMERUNS. REFER TO
PANEL SCHEDULES FOR CONDUCTORS
SIZES.

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EXPIRES: 06/30/23
THOMA #22-8066

Consultant

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Merced College
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Project

1st FLOOR ELECTRICAL
POWER PLAN

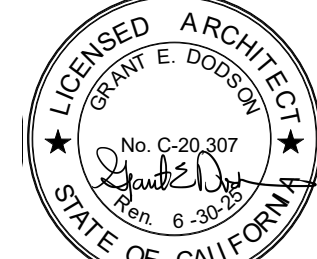
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No.	Revision/Submission	Date
1	ADDENDUM NO. 3	08/24/2023
2		
3		
4		

Revision

Scale:	As Indicated	Drawn By:	Copyright 2022 Darden Architects
Project Number:	2024	Checked By:	
Date:	08/26/2022	Reviewed By:	

E/A101

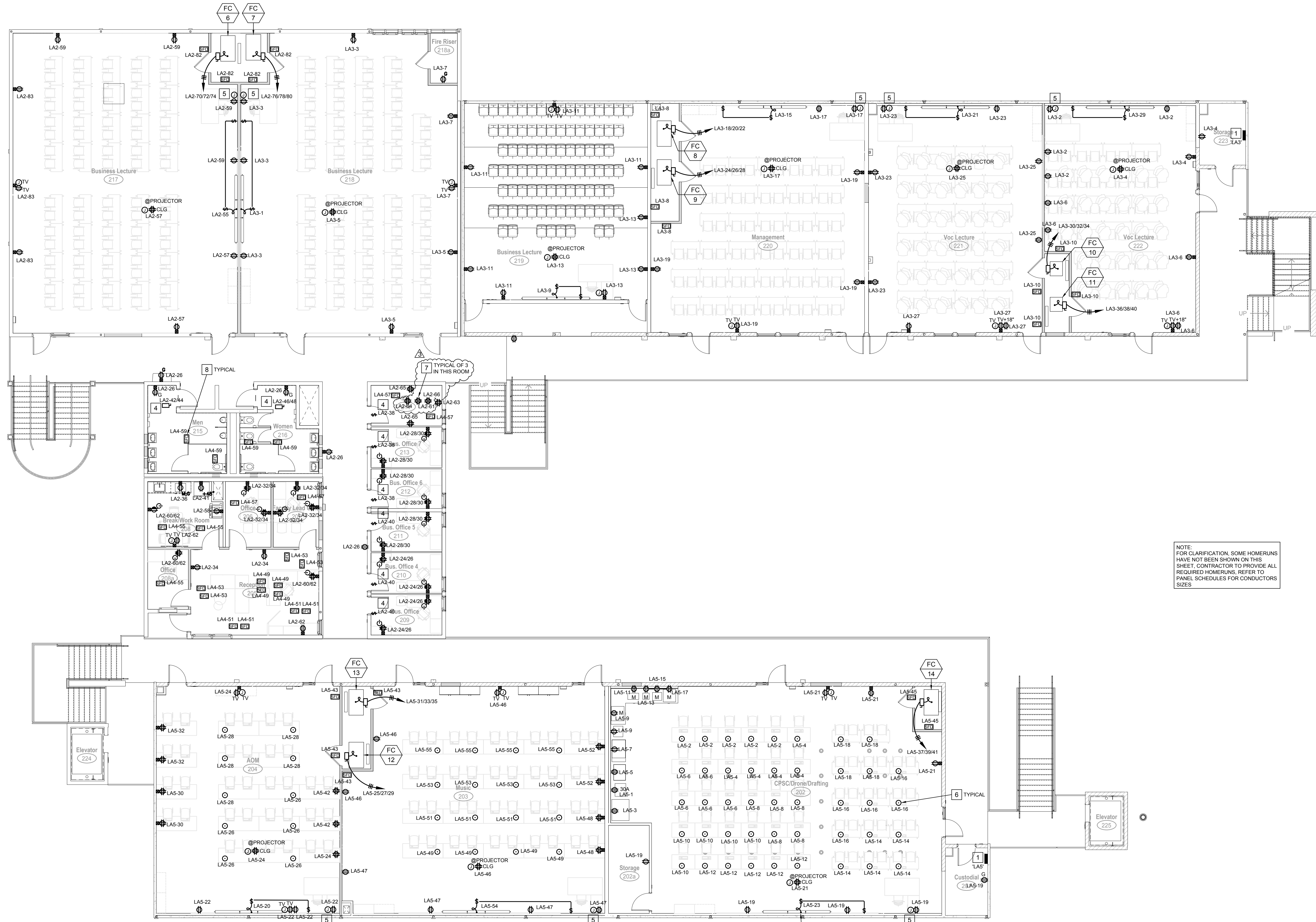
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2nd FLOOR ELECTRICAL POWER PLAN

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



DSA File No.:
24-C1

DSA Application No.:
02-120559

Agency Approval

Sheet Reference Notes

- ELECTRICAL PANEL, SEE SINGLE LINE DIAGRAM AND REFER TO PANEL SCHEDULES.
- DRY TYPE TRANSFORMER, SEE SINGLE LINE DIAGRAM.
- MOUNT OUTLET IN / ON CASEWORK AS DIRECTED BY ARCHITECT, RUN ASSOCIATED CONDUIT IN CASEWORK, COORDINATE INSTALLATION WITH CASEWORK PROVIDER.
- PROVIDE NEW BRANCH CIRCUIT TO EXISTING FAN COIL / HVAC UNIT / EXHAUST FAN, FIELD VERIFY COMPLETE REQUIREMENTS.
- TRUE SS JUNCTION BOX WITH (2) 1-1/2" C.O. STUBS TO ACCESSIBLE CEILING SPACE.
- FLUSH FLOOR BOX WITH CONDUIT RUN UNDERSLAB AS REQUIRED, SAWCUT AND PATCH EXISTING FLOOR AS REQUIRED.
- MOUNT OUTLET TO SIDE OF CABLE RUNWAY.
- PROVIDE 120V CONNECTION TO FIRE / SMOKE DAMPER AS PER MECHANICAL PLANS, RUN CONDUCTORS IN EMT CONDUIT.

General Notes

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Project

2nd FLOOR ELECTRICAL
POWER PLAN

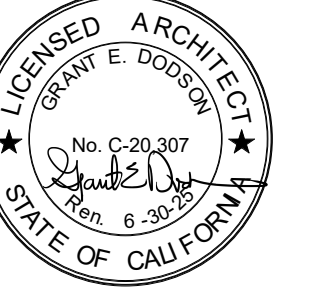
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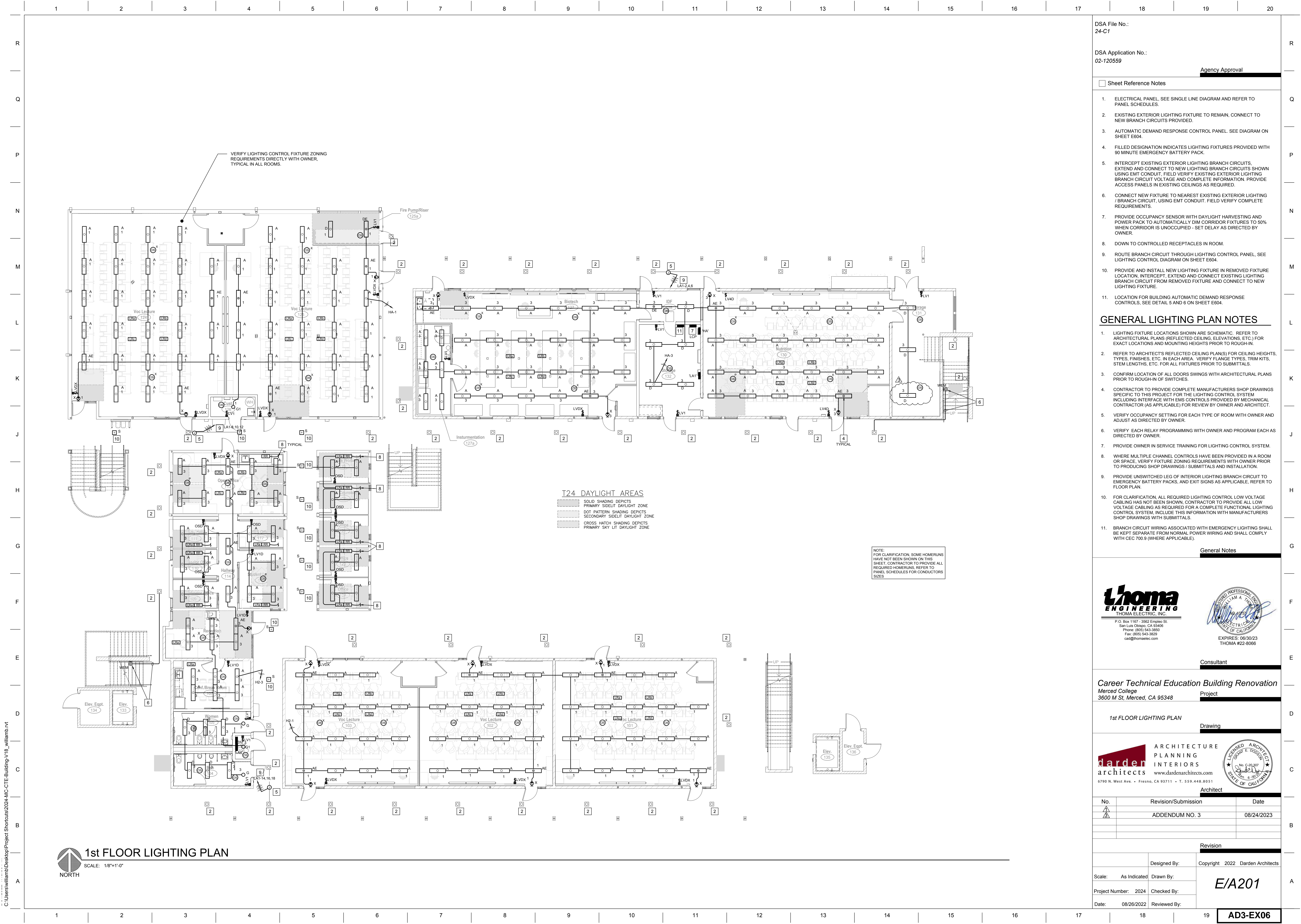


No.	Revision/Submission	Date
1	ADDENDUM NO. 3	08/24/2023

Revision

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Project Number: 2024	Drawn By:	E/A102
Date: 08/26/2022	Checked By:	
	Reviewed By:	

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DSA File No.:
24-C1

DSA Application No.:
02-120559

Agency Approval

Sheet Reference Notes

1. ELECTRICAL PANEL, SEE SINGLE LINE DIAGRAM AND REFER TO PANEL SCHEDULES.

2. EXISTING EXTERIOR LIGHTING FIXTURE TO REMAIN, CONNECT TO NEW BRANCH CIRCUITS PROVIDED.

3. AUTOMATIC DEMAND RESPONSE CONTROL PANEL, SEE DIAGRAM ON SHEET E604.

4. FILLED DESIGNATION INDICATES LIGHTING FIXTURES PROVIDED WITH 90 MINUTE EMERGENCY BATTERY PACK.

5. INTERCEPT EXISTING EXTERIOR LIGHTING BRANCH CIRCUITS, EXTEND AND CONNECT TO NEW LIGHTING BRANCH CIRCUITS SHOWN USING EMT CONDUIT, FIELD VERIFY EXISTING EXTERIOR LIGHTING BRANCH CIRCUIT VOLTAGE AND COMPLETE INFORMATION, PROVIDE ACCESS PANELS IN EXISTING CEILINGS AS REQUIRED.

6. CONNECT NEW FIXTURE TO NEAREST EXISTING EXTERIOR LIGHTING / BRANCH CIRCUIT, USING EMT CONDUIT, FIELD VERIFY COMPLETE REQUIREMENTS.

7. PROVIDE OCCUPANCY SENSOR WITH DAYLIGHT HARVESTING AND POWER PACK TO AUTOMATICALLY DIM CORRIDOR FIXTURES TO 50% WHEN CORRIDOR IS UNOCCUPIED - SET DELAY AS DIRECTED BY OWNER.

8. DOWN TO CONTROLLED RECEPTACLES IN ROOM.

9. ROUTE BRANCH CIRCUIT THROUGH LIGHTING CONTROL PANEL, SEE LIGHTING CONTROL DIAGRAM ON SHEET E604.

10. PROVIDE AND INSTALL NEW LIGHTING FIXTURE IN REMOVED FIXTURE LOCATION, INTERCEPT, EXTEND AND CONNECT EXISTING LIGHTING BRANCH CIRCUIT FROM REMOVED FIXTURE AND CONNECT TO NEW LIGHTING FIXTURE.

11. LOCATION FOR BUILDING AUTOMATIC DEMAND RESPONSE CONTROLS, SEE DETAIL 5 AND 6 ON SHEET E604.

GENERAL LIGHTING PLAN NOTES

1. LIGHTING FIXTURE LOCATIONS SHOWN ARE SCHEMATIC. REFER TO ARCHITECTURAL PLANS (REFLECTED CEILING, ELEVATIONS, ETC.) FOR EXACT LOCATIONS AND MOUNTING HEIGHTS PRIOR TO ROUGH-IN.

2. REFER TO ARCHITECT'S REFLECTED CEILING PLAN(S) FOR CEILING HEIGHTS, TYPES, FINISHES, ETC. IN EACH AREA. VERIFY FLANGE TYPES, TRIM KITS, STEM LENGTHS, ETC. FOR ALL FIXTURES PRIOR TO SUBMITTALS.

3. CONFIRM LOCATION OF ALL DOORS SWINGS WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN OF SWITCHES.

4. CONTRACTOR TO PROVIDE COMPLETE MANUFACTURERS SHOP DRAWINGS SPECIFIC TO THIS PROJECT FOR THE LIGHTING CONTROL SYSTEM INCLUDING INTERFACE WITH EMS CONTROLS PROVIDED BY MECHANICAL CONTRACTOR (AS APPLICABLE) FOR REVIEW BY OWNER AND ARCHITECT.

5. VERIFY OCCUPANCY SETTING FOR EACH TYPE OF ROOM WITH OWNER AND ADJUST AS DIRECTED BY OWNER.

6. VERIFY EACH RELAY PROGRAMMING WITH OWNER AND PROGRAM EACH AS DIRECTED BY OWNER.

7. PROVIDE OWNER IN SERVICE TRAINING FOR LIGHTING CONTROL SYSTEM.

8. WHERE MULTIPLE CHANNEL CONTROLS HAVE BEEN PROVIDED IN A ROOM OR SPACE, VERIFY FIXTURE ZONING REQUIREMENTS WITH OWNER PRIOR TO PRODUCING SHOP DRAWINGS / SUBMITTALS AND INSTALLATION.

9. PROVIDE UNSWITCHED LEG OF INTERIOR LIGHTING BRANCH CIRCUIT TO EMERGENCY BATTERY PACKS, AND EXIT SIGNS AS APPLICABLE, REFER TO FLOOR PLAN.

10. FOR CLARIFICATION, ALL REQUIRED LIGHTING CONTROL LOW VOLTAGE CABLING HAS NOT BEEN SHOWN, CONTRACTOR TO PROVIDE ALL LOW VOLTAGE CABLING AS REQUIRED FOR A COMPLETE FUNCTIONAL LIGHTING CONTROL SYSTEM, INCLUDE THIS INFORMATION WITH MANUFACTURERS SHOP DRAWINGS WITH SUBMITTALS.

11. BRANCH CIRCUIT WIRING ASSOCIATED WITH EMERGENCY LIGHTING SHALL BE KEPT SEPARATE FROM NORMAL POWER WIRING AND SHALL COMPLY WITH NEC 700.9 (WHERE APPLICABLE).

General Notes

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Project

1st FLOOR LIGHTING PLAN

Drawing

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No.	Revision/Submission	Date
1	ADDENDUM NO. 3	08/24/2023

Revision

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Scale: As Indicated Drawn By:

Project Number: 2024 Checked By:

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E/A201

AD3-EX06

1st FLOOR LIGHTING PLAN

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

NORTH

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GENERAL COMMUNICATION PLAN NOTES

- A. REFER TO PROJECT TELECOMMUNICATIONS PLANS AND SPECIFICATIONS FOR FURTHER INFORMATION.
- B. SIGNAL AND COMMUNICATIONS SYSTEMS RACEWAYS AND BOXES: PROVIDE AND INSTALL 5" SQUARE (RANDL, INC.) RECESSED JUNCTION BOX WITH 1-GANG RING AND (1) 1-1/4" CONDUIT STUB TO ACCESSIBLE CEILING SPACE ABOVE OR UNDER FLOOR SPACE BELOW AS APPLICABLE AT EACH WALL TELECOMMUNICATIONS (PHONE, PHONE/DATA, DATA) OUTLET SECURITY / ACCESS CONTROL DEVICE AND TELEVISION OUTLET LOCATION SHOWN ON THE PLANS UNLESS OTHERWISE NOTED. PROVIDE PATHWAYS BETWEEN COMMUNICATIONS EQUIPMENT ROOM LOCATIONS AND ACCESSIBLE CEILINGS FOR ROUTING OF PHONE/DATA CABLES. AT SURFACE MOUNTED LOCATIONS, PROVIDE WIREMOLD 5500 SERIES ALUMINUM RACEWAY WITH MATCHING WIREMOLD OUTLETS.
- WHERE NO ACCESSIBLE CEILING EXISTS: RUN CONDUIT FROM OUTLETS (FLOOR OR WALL) TO COMMUNICATIONS EQUIPMENT LOCATION.
- WHERE ACCESSIBLE CEILING EXISTS: J-HOOKS SHALL BE USED TO SUPPORT STRUCTURED CABLING AT A MINIMUM SPACING OF 5'-0" ON CENTER. FIBER OPTIC CABLE SHALL BE ROUTED IN RIGID WALL INNERDOCT MINIMUM 3/4" TRADE SIZE, SUPPORTED BY J-HOOKS OR OTHER UL APPROVED RACEWAY.
- PROVIDE 1-1/4" CONDUIT MINIMUM FOR FLOOR BOX TELECOM AND AV, AS SHOWN ON TELECOM PLANS.
- BEFORE CONSTRUCTION, COORDINATE AND VERIFY TELECOMMUNICATIONS OUTLET LOCATIONS WITH OWNER OR ARCHITECT.
- C. PROVIDE EQUIPMENT RACKS, PATCH PANELS, CABLING, TERMINAL BLOCKS & COMPLETE OUTLET ASSEMBLIES.
- D. DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.
- E. ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN FIRE RATED, OR SOUND RATED (STC) ASSEMBLIES SHALL BE PROVIDED WITH PUTTY PADS LISTED FOR THE APPLICATION.
- F. ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN THE SAME LOCATION, SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS; ALTERNATIVELY, A DEVICE BRACKET MAY BE USED BETWEEN STUDS WITH 4-INCH SEPARATION BETWEEN POWER AND LOW VOLTAGE BOXES.
- G. AVOID UNDERGROUND TELECOM CONDUIT RUNS UNLESS NECESSARY. WHERE UNDERGROUND CONDUIT IS USED, TELECOM CABLES SHALL BE WET LISTED.
- H. CABLE LADDER DROP-OUTS SHALL BE INSTALLED WHEREVER NECESSARY TO FACILITATE CABLE TRANSITIONS AND MIN BEND RADIIUSES. DROP-OUTS SHALL BE EQUIVALENT TO CHATSWORTH AND SOLID ONE PIECE CONSTRUCTION.
- I. NO LOW-VOLTAGE SYSTEM MAY USE THE TELECOMMUNICATIONS PATHWAY AS DESCRIBED ON THE TELECOMMUNICATIONS PLANS UNLESS EXPLICITLY ALLOWED. THE FOLLOWING SYSTEMS MAY UTILIZE THE CABLE-TRAY SYSTEM.
- TELECOMMUNICATIONS WIRING (INCLUDES STRICTLY DATA CABLE PLANT AS DESCRIBED ON XT-102)
 - ELECTRIC WIRING (INCLUDES STRICTLY CABLE PLANT AS DESCRIBED ON RISER DIAGRAM XT-104)
 - DOOR ACCESS CONTROL WIRING (INCLUDES STRICTLY CABLE PLANT AS DESCRIBED ON RISER DIAGRAM XT-105)

GENERAL AUDIOVISUAL PLAN NOTES

- A. REFER TO PROJECT TELECOMMUNICATIONS PLANS AND SPECIFICATIONS, AUDIOVISUAL PATHWAY AND CONNECTIVITY DIAGRAMS FOR FURTHER INFORMATION.
- B. INSTALL AV SYSTEMS IN ACCORDANCE WITH CONTRACT DOCUMENTS, MANUFACTURER INSTRUCTIONS/RECOMMENDATIONS AND ALL APPLICABLE CODES.
- C. AV SYSTEMS INSTALLER/INTEGRATOR SHALL PROVIDE A FULLY FUNCTIONAL SYSTEM APPROVED BY OWNER AND ENGINEER PRIOR TO JOBSITE CLOSEOUT.
- D. SUBMIT ALL AV MATERIALS, COMPONENTS, CABLING, EQUIPMENT, AND SHOP DRAWINGS TO OWNER AND ENGINEER FOR APPROVAL PRIOR TO PROCUREMENT.
- E. PROVIDE INITIAL TESTS/ADJUSTMENTS, WRITTEN REPORT, DEMONSTRATION FOR OWNER AND ENGINEER APPROVAL, FINAL ADJUSTMENTS, AND DOCUMENTATION FOR AV SYSTEMS.
- F. COORDINATE FINAL SYSTEMS CONTROL, GRAPHICAL USER INTERFACE, PRESENTATION MODES, SEQUENCES, AND MODES OF OPERATION WITH OWNER PRIOR TO FINAL CONFIGURATION.
- G. COORDINATE AV SYSTEMS INSTALLATION WORK WITH OWNER REPRESENTATIVE, ENGINEER, GENERAL/SUBCONTRACTORS AND SCHEDULED WORK OF OTHER TRADES.
- H. PROVIDE A MINIMUM OF 4 HOURS OF AUDIOVISUAL SYSTEMS CONTROL TRAINING TO OWNER FOR EACH UNIQUE AUDIOVISUAL SYSTEM CONFIGURATION.
- I. ALL TWISTED PAIR AUDIOVISUAL CATEGORY CABLING SHALL BE SHIELDED, VERIFY TWISTED PAIR SHIELDED CATEGORY CABLING AND TERMINATIONS WITH AUDIOVISUAL EQUIPMENT MANUFACTURER PRIOR TO PROCUREMENT.
- J. COORDINATE DEVICE LOCATIONS WITH OTHER TRADES PRIOR TO ROUGH-IN IN ORDER TO AVOID CONFLICT WITH FINAL DEVICE INSTALLATIONS (FOR EXAMPLE: AV CONTROL PANELS AND THERMOSTATS). WHERE DEVICES OR EQUIPMENT IS SHOWN AS "OWNER FURNISHED CONTRACTOR INSTALLED" EC SHALL OBTAIN RELEVANT PART NUMBERS FROM OWNER PRIOR TO SUBMITTING SHOP DRAWINGS, AND INSTALL IN ACCORDANCE WITH APPROVED MANUFACTURER PART NUMBERS AND MOUNTING DETAILS.
- K. COORDINATE SIZES OF AV RACKS LOCATED WITHIN FRAMED WALL SPACES AND CASEWORK WITH SHOP DRAWINGS PRIOR TO PROCUREMENT.
- L. VERIFY DIMENSIONS AND CONDITIONS WITH PLANS, DETAILS, AND JOBSITE CONDITIONS PRIOR TO AV ROUGH-IN.
- M. PROVIDE AND INSTALL ALL REQUIRED AV SYSTEM CABLING, WIRING, AND CONNECTORS. ALL WIRING SHALL BE IN CONDUIT, UNLESS NOTED OTHERWISE. NO SPLICES SHALL EXIST IN ANY AV CABLING WITHOUT WRITTEN APPROVAL FROM ENGINEER. INSTALL CABLES WITHOUT SHARP BENDS OR DISTORTION.
- N. LABEL CABLES AT BOTH ENDS WITH SELF LAMINATING LABELS. HANDWRITTEN LABELS ARE NOT ACCEPTABLE. INCLUDE A SAMPLE EXAMPLE OF LABELING PRIOR TO PROCUREMENT AND INSTALLATION. PROVIDE ALPHANUMERIC LABELING WITHIN 4" OF EACH CABLE END. COORDINATE CABLE LABELING CONVENTION WITH OWNER.
- O. NOTIFY ENGINEER OF ANY DISCREPANCIES OR DISCONTINUATIONS OF PART NUMBERS, SIZES, OR QUANTITIES PRIOR TO PROCUREMENT.
- P. PROVIDE ALL REQUIRED ACCESSORIES AND SUPPORT EQUIPMENT ITEMS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
- Q. ENSURE THAT THERE IS ADEQUATE VENTILATION FOR ALL EQUIPMENT FOR WORST-CASED POWER DISSIPATION.
- R. MOUNT PROJECTORS AS INDICATED ON PLANS. PROJECTED IMAGES SHALL BE MAXIMUM WIDTH AND HEIGHT CENTERED ON PROJECTION SCREENS AND/OR IMAGE BOARDS.
- S. SECURELY MOUNT AND BRACE PROJECTORS AND COMPONENTS SO THAT THERE IS NO VISIBLE VIBRATION OF PROJECTED IMAGE.
- T. ALL ACTIVE AV SYSTEM ELECTRONICS ARE OWNER FURNISHED, CONTRACTOR INSTALLED. COORDINATE ALL AV SYSTEM COMPONENT INSTALLATION WITH OWNER PRIOR TO ROUGH-IN. ALL CABLING, PATHWAY, AND CONNECTIONS SHALL BE CONTRACTOR FURNISH AND INSTALLED.
- U. ALL AV CABLING SHALL BE ROUTED IN DEDICATED AV SYSTEM PATHWAYS. PROVIDE CONDUIT IN CONCEALED WALLS/CEILINGS AND J-HOOK PATHWAY IN ACCESSIBLE CEILING SPACES. SIZE AS REQUIRED FOR AV SYSTEM CABLING. PATHWAYS SHALL NOT EXCEED 40% FILL.
- V. AV CABLING HOMERUNS SHALL BE ROUTED IN DEDICATED J-HOOK PATHWAY ABOVE ACCESSIBLE CEILING PARALLEL TO TELECOMMUNICATIONS CABLING.
- W. COORDINATE AV RACK MOUNTED UPS SPACE REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

BASIS OF DESIGN (BOD)

BUILDING DISTRIBUTION FRAME (BDF)* ROOM EQUIPMENT					
MANUFACTURER	MANUFACTURERS PART NO. / SERIES NO.	DESCRIPTION	OWNER FURNISHED / CONTRACTOR INSTALLED	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	OWNER FURNISHED / OWNER INSTALLED
CHATSWORTH	46353-703	2-POST RACK, BLACK, 45U, #12-24 THREADED HOLES		X	
LEVITON	OPT-X 2000I (5R4UH-S12)	4RU, RACK-MOUNTED, FIBER OPTIC SPLICE ENCLOSURE (SHALL BE PROVIDED WITH 'LC' FIBER BULKHEADS)		X	
LEVITON	49255-I48	48-PORT, 2RU PATCH PANEL COMPATIBLE WITH QUICKPORT MODULAR JACK		X	
LEVITON	6110G SERIES	CAT6A, STYLE UTP QUICKPORT MODULAR JACK, BLUE		X	
LEVITON	41081 SERIES	4-PORT MODULAR JACK FACEPLATE WITH ANGLED MODULAR JACK PORTS, COLOR: OFF-WHITE		X	
LEVITON	41084 SERIES	1-PORT MODULAR JACK BLANK COVER		X	
HUBBELL	HM14C	HORIZONTAL CABLE MANAGER, 1RU, 4" DEEP (BLACK)		X	
HUBBELL	HM24C	HORIZONTAL CABLE MANAGER, 2RU, 4" DEEP (BLACK)		X	
CHATSWORTH	30161-703	VERTICAL CABLE MANAGER, 4" WIDE (BLACK)		X	
CHATSWORTH	30162-703	VERTICAL CABLE MANAGER, 6" WIDE (BLACK)		X	
EATON	5PX3000RT2U	RACK-MOUNT UPS UNIT WITH INTEGRAL NETWORK MONITORING CAPABILITY		X	
B-LINE	FLEXTRAY	FLEXTRAY WIRE MESH BASKET TRAY (SIZE PER PLAN)		X	
CHATSWORTH	10250-X12	UNIVERSAL CABLE RUNWAY, 12" WIDE		X	

CABLING					
MANUFACTURER	MANUFACTURERS PART NO. / SERIES NO.	DESCRIPTION	OWNER FURNISHED / CONTRACTOR INSTALLED	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	OWNER FURNISHED / OWNER INSTALLED
BERK-TEK	*ADVENTUM*	INDOOR/OUTDOOR, LOOSE TUBE, OS2, FIBER OPTIC CABLE		X	
BERK-TEK	LANMARK-10G2	INDOOR, RISER RATED, CAT6A CABLE		X	
BERK-TEK	LANMARK-10G2 OSP	OUTDOOR, OSP RATED, CAT6A CABLE		X	

WIRELESS NETWORK (SEE DETAILS FOR FURTHER COMPONENT DESCRIPTIONS)					
MANUFACTURER	MANUFACTURERS PART NO. / SERIES NO.	DESCRIPTION	OWNER FURNISHED / CONTRACTOR INSTALLED	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	OWNER FURNISHED / OWNER INSTALLED
		WIRELESS ACCESS POINT	X		
		EXTERIOR WIRELESS ACCESS POINT	X		

NOTES:

- FOR PURPOSES OF EQUIPMENT SIZE AND FIT, THIS DESIGN IS BASED UPON THE EQUIPMENT SHOWN IN THIS SCHEDULE. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FORM, FIT AND FUNCTION OF EQUIPMENT SUBSTITUTED AT BID TIME. ALL TELECOMMUNICATIONS EQUIPMENT NOT LISTED HERE SHALL BE SUBMITTED FOR APPROVAL PER SPECIFICATIONS.
- ALL EQUIPMENT SHOWN AS FURNISHED BY OWNER SHALL BE NOTED AND SUBMITTED FOR COORDINATION WITH OWNER'S REPRESENTATIVE AT CONTRACT NOTICE TO PROCEED.

CONTRACTOR FURNISHED CONTRACTOR INSTALLED EQUIPMENT SCHEDULE

SYMBOL	BACKBOX	MUD RING	CONDUIT STUB	CABLE TYPE	CABLE QUANTITY	CABLE COLOR	FACEPLATE	NOTES
▽	5-SQUARE	SINGLE GANG	1-1/4"	CAT6	2	BLUE	2-PORT, WHITE	STANDARD WORK AREA OUTLET
▽TV	5-SQUARE	SINGLE GANG	1-1/4"	CAT6	2	BLUE	2-PORT, WHITE	OUTLET TO SUPPORT TELEVISION/DISPLAY LOCATED APPROXIMATELY 72" ABOVE FINISHED FLOOR (CONTRACTOR SHALL COORDINATE FINAL LOCATION WITH TELEVISION MOUNTING HEIGHT. SEE 9(X/730)). REFER TO ELECTRICAL SHEETS FOR ELECTRICAL INFRASTRUCTURE.
▽F	SEE NOTE	N/A	N/A	CAT6	2	BLUE	2-PORT, WHITE	WORK AREA OUTLET TERMINATED IN MODULAR FURNITURE. COORDINATE TERMINATIONS WITH MODULAR FURNITURE SHOP DRAWINGS. CABLE FED FROM TYPE "F" JUNCTION BOX.
▽W	5-SQUARE	SINGLE GANG	1-1/4"	CAT6	1	BLUE	1-PORT, SS	WALL PHONE OUTLET, FACEPLATE WITH PHONE-HANGING STUDS
▽CLG	N/A	N/A	1-1/4"	CAT6	2	BLUE	2-PORT, WHITE	ABOVE CEILING TELECOM SURFACE MOUNTED OUTLET (BISCUIT). WHERE SERVING A PROJECTOR SEE DETAIL 2/X7301.
⊙ ²	SEE ELECTRICAL	-	1-1/4"	CAT6	2	BLUE	TBD	OUTLET IN FLUSH FLOORBOX. SEE ELECTRICAL DRAWINGS FOR BOX INFORMATION.
⊙	-	-	1-1/4"	CAT6A	2	BLUE	-	SURFACE MOUNTED OUTLET (BISCUIT) MOUNTED ABOVE CEILING
⊙C	5-SQUARE	-	1-1/4"	CAT6A	2	BLUE	N/A	SURFACE MOUNTED OUTLET (BISCUIT) MOUNTED IN RECESSED BACKBOX.
⊙ F	5-SQUARE DEEP	DOUBLE GANG	1-1/4"	N/A	MAX QTY: 6 CAT6	-	PASS THROUGH	WALL FEED FOR CABLES SERVING OUTLETS IN MODULAR FURNITURE. PROVIDE C2G 1.5" GROMMET CABLE PASS THROUGH FACEPLATE. CONFIRM FINISH COLOR WITH ARCHITECT.
EXN	5-SQUARE	DOUBLE GANG	1-1/4"	N/A	N/A	N/A	N/A	WALL MOUNTED LUMENS AUTO TRACKING PTZ VC-TR1 CAMERA. WITH MOUNTING PLATE AND ARM. CAMERA, PLATE AND ARM IS FURNISHED BY OWNER INSTALLED BY ELECTRICAL CONTRACTOR COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
EXN (P) PAR	6"X6" NEMA 3R	N/A	1-1/4"	N/A	N/A	N/A	N/A	INFRASTRUCTURE FOR FUTURE PARAPET CAMERA ON ROOF. CAMERA IS FURNISHED BY OWNER INSTALLED BY ELECTRICAL CONTRACTOR, COORDINATE FINAL LOCATION WITH OWNER SECURITY REPRESENTATIVE
EXN (P) CLG	5-SQUARE DEEP	SINGLE GANG	1-1/4"	N/A	N/A	N/A	N/A	INFRASTRUCTURE FOR FUTURE PARAPET CAMERA ON ROOF. CAMERA IS FURNISHED BY OWNER INSTALLED BY ELECTRICAL CONTRACTOR, COORDINATE FINAL LOCATION WITH OWNER SECURITY REPRESENTATIVE

- GENERAL NOTES:
- ALL CONDUIT STUBS FROM BACKBOXES SHALL BE ROUTED TO ABOVE NEAREST ACCESSIBLE, UNLESS NOTED OTHERWISE. COORDINATE ALL DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL PRIOR TO ROUGH-IN.
 - ALL EQUIPMENT SHOWN AS FURNISHED BY OWNER SHALL BE NOTED AND SUBMITTED FOR COORDINATION WITH OWNER'S REPRESENTATIVE AT CONTRACT NOTICE TO PROCEED.

LEGEND

NOTE: INTERPRET IN CONTEXT

MISCELLANEOUS

- PUSHBUTTON
- FLUSHMOUNT PANEL
- FLUSHMOUNT CABINET
- SURFACEMOUNT CABINET

SECURITY/ACCESS CONTROL

- NOTE: PROVIDE AND INSTALL OUTLET BOX WITH (1) 1/2" C.O. STUB TO ACCESSIBLE CEILING SPACE ABOVE FROM EACH SECURITY / ACCESS CONTROL DEVICE U.O.N., REFER TO DETAIL 17-AA101.
- DOOR ALARM CONTACT
 - KEY PAD
 - CAMERA (ROUGH-IN + (1) CAT6A CABLE)
 - PROXIMITY CARD READER
 - MOTION SENSOR
 - GLASS BREAK SENSOR
 - WEATHERPROOF SIREN
 - PANIC HARDWARE
 - ELECTRIC LOCK

CONVENTIONS

- NUMBERED SHEET NOTES: REFERS TO NOTES ON SAME SHEET AS REFERENCED
- DETAIL REFERENCE: -DETAIL DESIGNATION - SHEET NUMBER REFERENCE

POWER/COMM.

- SINGLE RECEPT
- DUPLEX RECEPT
- DUPLEX-HALF SWITCHED
- DOUBLE DUPLEX
- SPECIAL CONFIGURATION
- DUPLEX RECEPT, W/ PLUG CONTROL (CR)
- QUAD RECEPT, W/ PLUG CONTROL (CR)
- FLOORMOUNT 208V, 1Ø RECEPT
- DUPLEX- FLOOR OUTLET
- GROUND FAULT CIRCUIT INTERRUPT
- MOUNTED ABOVE COUNTER
- JUNCTION BOX
- DATA OUTLET WITH
- MOUNTED ABOVE COUNTER
- WALL PHONE
- MOUNTED IN FLOORBOX
- TELEVISION OUTLET
- SAFETY DISCONNECT
- DROP CORD RECEPT
- ABOVE-CLGMOUNT J-BOX
- TV OUTLET-FLOORMOUNT
- DATA FLOOR OUTLET
- 4 SQ. J-BOX W/ PULL ROPE (F) COMM
- RECESSED FLOOR BOX, SINGLE GANG
- RECESSED FLOOR BOX, DOUBLE GANG
- RECESSED FLOOR BOX, THREE GANG
- RECEPT, RELAY
- WIRELESS ACCESS POINT
- WIRELESS ACCESS POINT WEATHERPROOF
- WIRELESS ACCESS POINT WEATHERPROOF/WALL MOUNT
- 2-GANG MUD RING ONLY WITH 1-1/4" CONDUIT STUB TO NEAREST ACCESSIBLE CEILING FOR AV DEVICE
- BACKBOX FOR LOUDSPEAKER
- BACKBOX FOR MICROPHONE
- BACKBOX FOR CAMERA

CONDUIT/WIRE

- NEW
- UNDERGROUND
- NEW POWER HOMERUN (3 HOTS & NEUT SHOWN)
- ISOLATED GROUND
- EXISTING TO REMAIN
- (E) POWER HOMERUN
- WIRE LINE- CONTINUES
- CONDUIT STUB (W/MARKER)
- VERTICAL CONDUIT RUN
- CONDUIT SEAL
- FLEXIBLE CONNECTION
- LOW VOLTAGE
- SURFACEMOUNT RACEWAY
- INDICATES LINE CONTINUES
- CORD W/PLUG

SOUND/CLOCK

- SPEAKER- CLG FLUSHMOUNT
- SPEAKER- WALLMOUNT
- MICROPHONE INPUT
- AUXILIARY INPUT
- HEADSET OUTLET
- VOLUME CONTROL
- SPEAKER- CLG FLUSHMOUNT VANDAL-RESISTANT
- CLOCK/SPEAKER WALLMOUNT SEMI-FLUSH
- GPS WALL MOUNTED CLOCK
- CLOCK

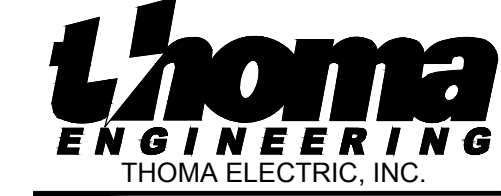
Agency Approval

DSA File No.: 24-C1

DSA Application No.: 02-120559

Sheet Reference Notes

General Notes



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EXPIRES: 06/30/23
THOMA #22-8066

Consultant

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Project

TELECOMMUNICATION SYMBOLS LEGEND AND GENERAL NOTES

Drawing

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Architect

No.	Revision/Submission	Date
1	ADDENDUM NO. 3	08/24/2023

Revision

Scale: As Indicated	Designed By:	Copyright 2022 Darden Architects
Project Number: 2024	Checked By:	X/T101
Date: 08/26/2022	Reviewed By:	

AD3-TX01

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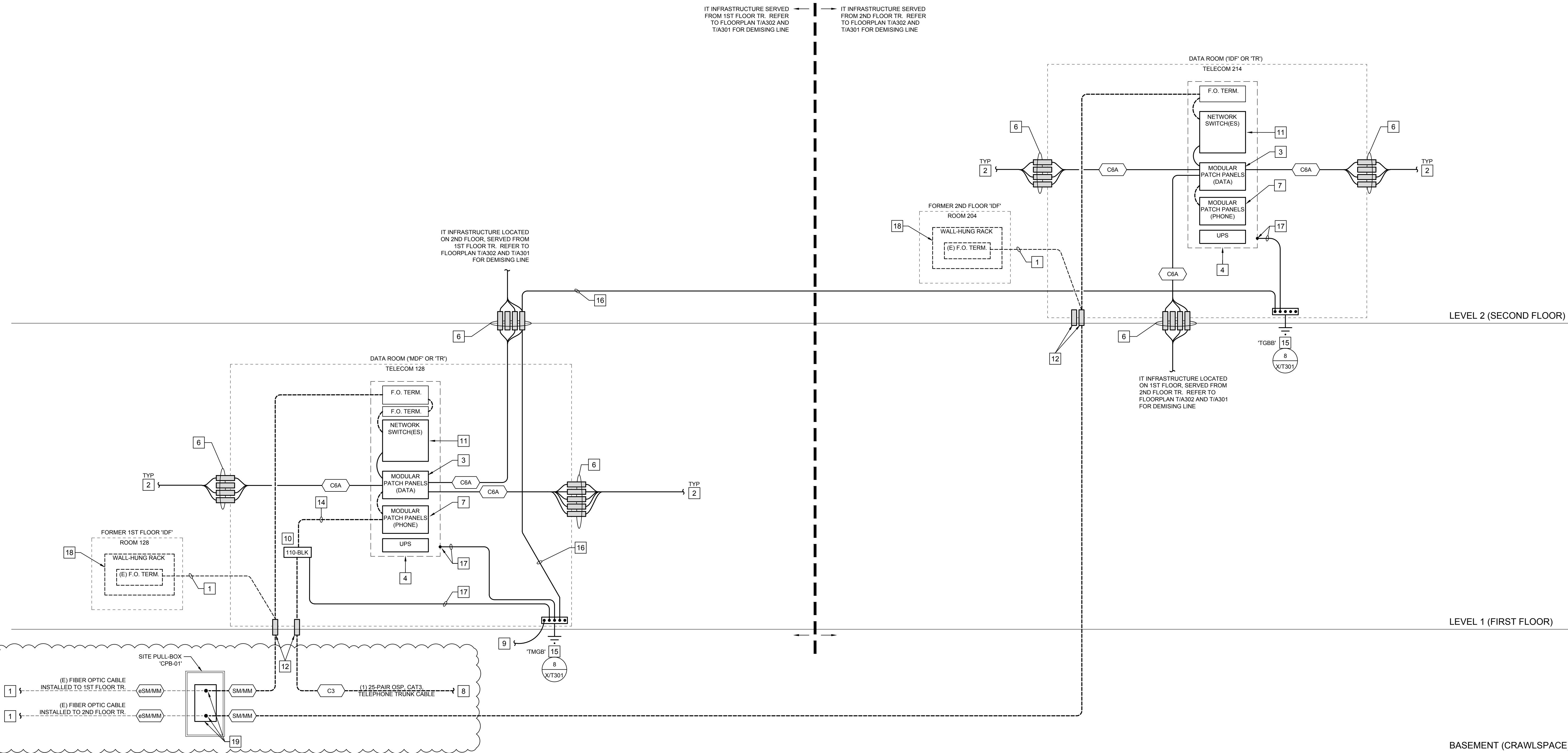
RISER DIAGRAM GENERAL NOTES

- #6 AWG, THWN, GREEN JACKETED GROUND CONDUCTOR BETWEEN TELECOMMUNICATIONS ROOM GROUND BUS BAR AND ALL DISTRIBUTED RACK EQUIPMENT WITHIN BUILDING. EC SHALL BOND CONDUCTOR TO ALL SEGMENTS OF CABLE TRAY PER SPECIFICATIONS.
- CONTRACTOR SHALL PROVIDE MINIMUM QUANTITIES OF CAT6A PATCH CORDS, EQUAL TO 50% OF INSTALLED JACKS BUILDING-WIDE. IN EQUAL 1-METER, 3-METER, AND 5-METER LENGTHS TO ACCOMMODATE JACK POSITION ON TELECOMMUNICATIONS ROOM RACKING. CONTRACTOR SHALL COORDINATE WITH OWNER FOR PATCH PANEL PLAN TO DETERMINE WHICH PORTS TO PATCH IN ACCORDANCE WITH DISTRICT USE PLAN.
- CONTRACTOR SHALL PROVIDE MINIMUM OF THE FOLLOWING FIBER PATCH CABLES TO ACCOMMODATE ACTIVE ELECTRONICS PLACEMENT WITHIN EQUIPMENT RACKING. CONTRACTOR SHALL COORDINATE WITH OWNER FOR FIBER PATCH PANEL PLAN TO DETERMINE WHICH PORTS TO PATCH IN ACCORDANCE WITH DISTRICT ACTIVE ELECTRONICS.
 - (1) 12-STRAND RATED FULL-DUPLEX FIBER PATCH CABLES (LC CONNECTORS) IN 2-METER, 3-METER OR 5-METER LENGTHS
 - (2) MULTIMODE (COORDINATE WITH OWNER FOR CORRECT CLASSIFICATION) FULL-DUPLEX FIBER PATCH CABLES (LC CONNECTORS) IN 2-METER, 3-METER, OR 5-METER LENGTHS.

CABLE SCHEDULE

SMMM	EXISTING MULTI-CABLE SINGLEMODE AND MULTIMODE OPTIC CABLING COMPRISED OF: 24-STRAND MULTIMODE (CONTRACTOR SHALL CONFIRM EXISTING MULTIMODE CLASSIFICATION), AND 12-STRAND SINGLEMODE IN SEPARATE JACKETS.
SMMM	NEW MULTI-CABLE SINGLEMODE AND MULTIMODE OPTIC CABLING COMPRISED OF: (1) 24-STRAND MULTIMODE (CONTRACTOR SHALL MATCH EXISTING MULTIMODE CLASSIFICATION), AND (1) 12-STRAND SINGLEMODE IN SEPARATE JACKETS.
C6A	CATEGORY 6A STRUCTURED CABLING, RISER RATED (PLENUM RATED WHERE INSTALLED IN PLENUM AIR RETURN SPACE). REFER TO BASIS OF DESIGN X/T101.
C3	25-PAIR CATEGORY 3, MULTI-PAIR TELEPHONE CABLING, OSP RATED.

ALL EQUIPMENT SHOWN SHALL BE NEW UNLESS OTHERWISE NOTED



COMMUNICATIONS RISER DIAGRAM

SCALE: N.T.S.

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Sheet Reference Notes

- EXISTING FIBER OPTIC CABLING THAT SHALL BE DE-TERMINED FROM EXISTING IDF SPICE ENCLOSURE, AND PROTECTED IN PLACE UNTIL IT CAN BE RE-INSTALLED INTO NEW SUBMERSIBLE SPICE ENCLOSURE ADDED UNDER THIS PROJECT. EXISTING FIBER OPTIC CABLING SERVING OFF FROM SITE DISTRIBUTION SHALL BE PULLED BACK INTO COMMUNICATIONS VAULT CPB-01 AND RE-USED. ALL STRANDS SHALL BE RE-TERMINATED WITH NEW CONNECTORIZED PIGTAILS VIA FUSION SPICE AND 100% OF STRANDS SHALL BE RE-TESTED.
- CABLING OUTSIDE OF TELECOMMUNICATIONS ROOMS SHALL BE SUPPORTED WITH S-HOOKS MOUNTED AT MINIMUM OF 8'-0" ON CENTER WHERE IN ACCESSIBLE CEILING SPACE. WHERE ROUTED IN SOFFITS OR INACCESSIBLE CEILING SPACE, CONDUITS SHALL BE USED WITH A MINIMUM OF 32% FILL RATIO. SEE FLOOR PLAN FOR APPROXIMATE LOCATIONS OF CONDUIT, IF NECESSARY. EC SHALL PROVIDE UL APPROVED FIRESTOPPING AT ALL FIRE RATED WALLS - REFER TO ARCHITECTURAL.
- CAT6A RATED MODULAR JACK PATCH PANELS FOR VOICE/DATA STATION OUTLETS AND ASSOCIATED CAT6A PATCH CABLES.
- 2-POST DATA RACK(S), FLOOR MOUNTED IN TELECOM ROOM(S). REFER TO DETAILS AND EQUIPMENT ROOM PLANS FOR ADDITIONAL INFORMATION.
- NOT USED.
- CONDUITS FOR DATA CABLING FANOUT FROM TELECOMMUNICATIONS ROOMS PER PLAN.
- CAT6A RATED MODULAR JACK PATCH PANELS FOR INCOMING CAT3 TELEPHONE CABLING AND ASSOCIATED CAT6A PATCH CABLES FOR CROSS-PATCH TO STATION OUTLET.
- EXISTING OSP, CAT3 RATED TELEPHONE TRUNK CABLE FOR INCOMING TELEPHONE. REFER TO ELECTRICAL, SITE PLAN FOR CONDUIT ROUTING. EC SHALL TERMINATE ON SUBMITTED AND APPROVED 110-STYLE PUNCH-BLOCKS. EC SHALL PROVIDE SUBMITTAL FOR WALL-MOUNTED, OIL-FILLED PROTECTION DEVICES FOR INCOMING TELEPHONE PAIRS. CONFIRM WITH OWNER REPRESENTATIVE THAT (E) PATHWAY INFRASTRUCTURE CAN ACCOMMODATE (N) CABLING PRIOR TO CONSTRUCTION.
- #2 AWG, THWN, GREEN JACKETED GROUND CONDUCTOR BETWEEN TELECOMMUNICATIONS ROOM GROUND BUS BAR ON FIRST FLOOR AND MAIN ELECTRICAL SERVICE EQUIPMENT GROUND BUS IN FIRST FLOOR ELECTRICAL ROOM. ROUTE IN 1" CONDUIT.
- OIL FILLED 110-BLOCKS WITH INTEGRAL PROTECTION (WALL MOUNTED), PROVIDE #6AWG GND.
- NETWORK SWITCH EQUIPMENT PROVIDED AND INSTALLED BY OWNER. EC SHALL COORDINATE WITH CONSTRUCTION MANAGER AT CONTRACT NOTICE TO PROCEED TO ARRANGE FOR EQUIPMENT DELIVERY.
- UNDERGROUND CONDUITS FOR COMMUNICATIONS SYSTEMS ENTRANCE TO BUILDING. SEE OVERALL SITE PLANS.
- NOT USED.
- 25-PAIR, PLENUM RATED, CAT3 RATED TELEPHONE TRUNK CABLE FOR TELEPHONE. REFER TO ELECTRICAL BUILDING PLANS FOR CONDUIT ROUTING. EC SHALL TERMINATE ON SUBMITTED AND APPROVED 110-STYLE PUNCH-BLOCKS.
- WALL MOUNTED TELECOMMUNICATIONS GROUND BUS BAR PER DETAIL 8/X/T301.
- #2 AWG, THWN, GREEN JACKETED GROUND CONDUCTOR BETWEEN TELECOMMUNICATIONS ROOM GROUND BUS BARS. REFER TO ELECTRICAL DETAILS FOR CONDUCTOR TERMINATION REQUIREMENTS.
- #6 AWG, THWN, GREEN JACKETED GROUND CONDUCTOR BETWEEN TELECOMMUNICATIONS ROOM GROUND BUS BAR AND TELECOMMUNICATION ROOM RACK EQUIPMENT, INCLUDING CABLE TRAY, 2-POST RACKS, ETC. AND ALL CABLING DISTRIBUTION RACK EQUIPMENT WITHIN BUILDING. EC SHALL BOND CONDUCTOR TO ALL SEGMENTS OF CABLE TRAY, INCOMING CONDUITS (USING BONDING BUSHING), AND TGBB WITHIN TELECOMMUNICATIONS ROOMS.
- EXISTING IDF EQUIPMENT SHALL BE DEMOLISHED. SALVAGE EXISTING FIBER OPTIC CABLING AS SHOWN IN THIS DIAGRAM.
- NEW SUBMERSIBLE, WATERPROOF "COYOTE" STYLE SPICE ENCLOSURE, MOUNTED INSIDE EXISTING PULL-BOX CPB-01. PROVIDE NUMBER OF SPICE ENCLOSURES COMMENSURATE WITH QUANTITY OF CABLING. INTERCEPT EXISTING FIBER WITHIN PULL-BOX CPB-01 AND EXTEND NEW FIBER AS SHOWN BY PROVIDING NEW FUSION SPICES BETWEEN EXISTING FIBER AND NEW FIBER CABLING WITHIN SPICE ENCLOSURE. (SPICE ENCLOSURES) SHALL BE NEATLY HUNG ON WALL OF PULL-BOX SO AS NOT TO IMPED ACCESS TO SUB-FLOOR SPACE.

General Notes

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THOMA #22-8066

Consultant

Career Technical Education Building Renovation
Merced College
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Project

TELECOMMUNICATIONS RISER DIAGRAM

Drawing

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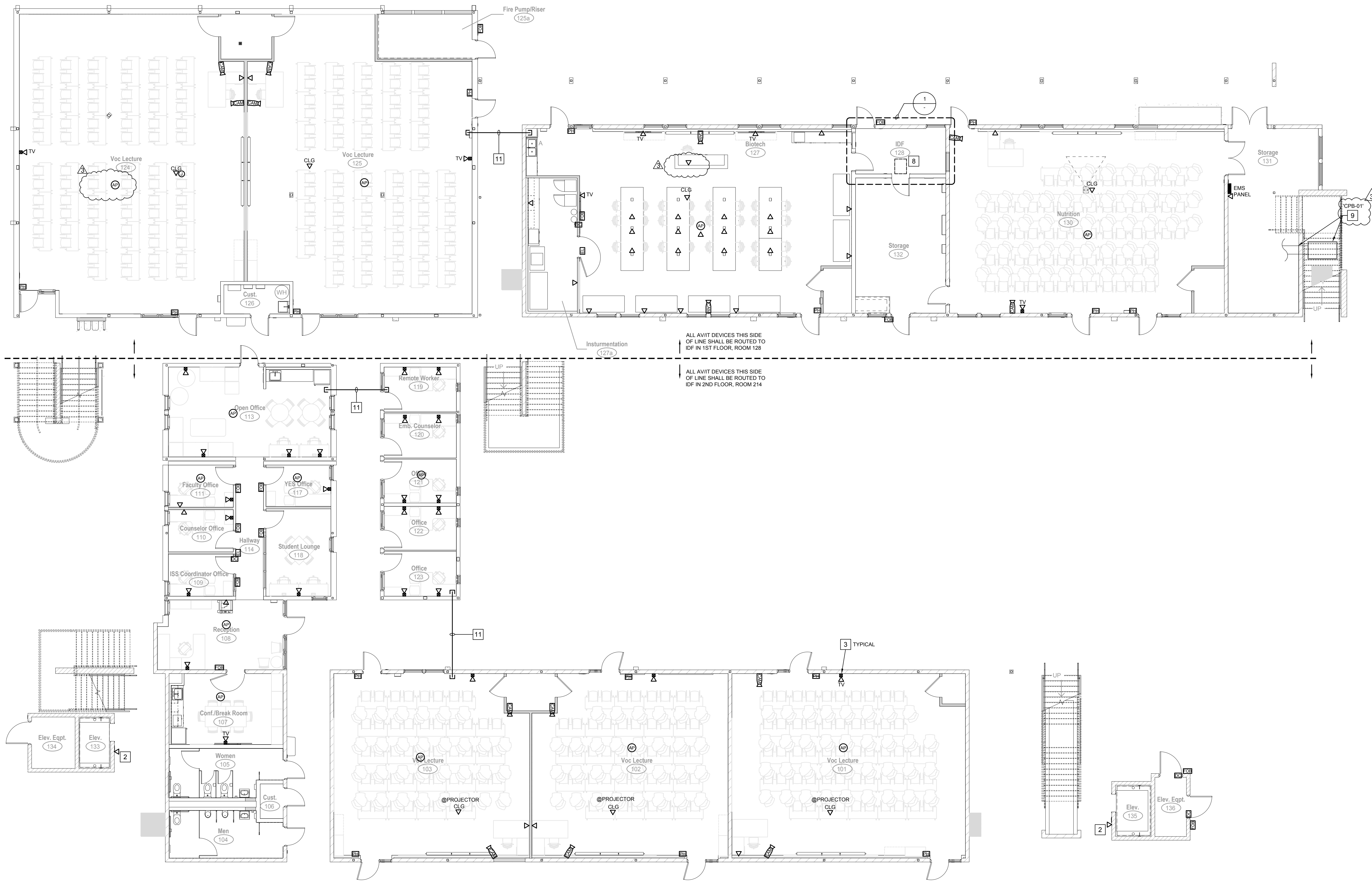
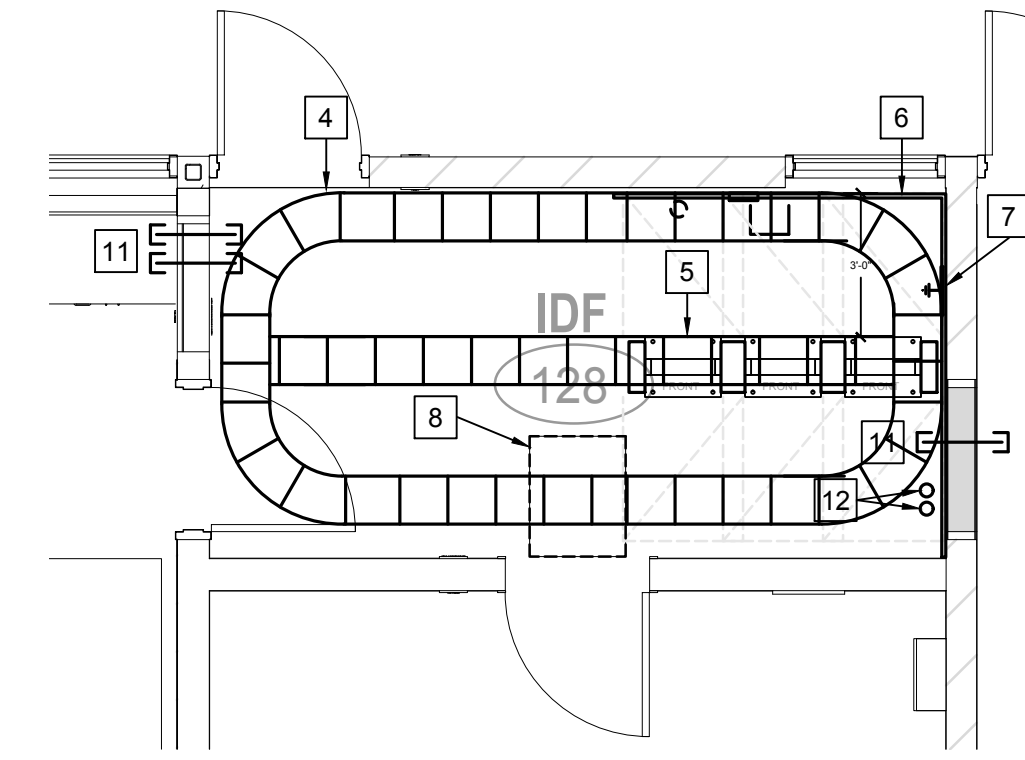
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No.	Revision/Submission	Date
3	ADDENDUM NO. 3	08/24/2023
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☐ Sheet Reference Notes

 - EXISTING DATA RACK AND EQUIPMENT IN THIS ROOM TO REMAIN AND BE USED TO SERVE NEW DATA OUTLETS.
 - PROVIDE DATA OUTLET WITH DEDICATED TELEPHONE LINE AND CONNECT TO ELEVATOR TWO-WAY COMMUNICATIONS SYSTEM CALL PUSHBUTTON AS PER ARCHITECTURAL PLANS. VERIFY EXACT LOCATION WITH ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
 - WIREMOLO 5500 THREE COMPARTMENT SURFACE MOUNTED RACEWAY WITH OUTLETS AS SHOWN. FOR OUTLETS AT TV LOCATION, VERIFY MOUNTING HEIGHTS WITH ARCHITECTURAL PLANS. RUN WIREMOLO TO CEILING. PROVIDE ESCUTCHEON PLATE CONNECTION AT CEILING TRANSITION. REFER TO ELECTRICAL PLANS FOR ADDITIONAL OUTLETS IN WIREMOLO. SEE DETAIL 1/6E01.
 - CHATSWORTH 12" WIDE UNIVERSAL CABLE RUNAWAY (10250-X12 SERIES OR APPROVED EQUIVALENT) PER STANDARD PROJECT DETAILS AND SPECIFICATIONS. REFER TO DETAIL 1/2X17301 FOR MOUNTING REQUIREMENTS. EC SHALL PROVIDE JUNCTION SPLICES, RACK TO RUNWAY MOUNTING PLATE, AND WALL ANGLE SUPPORT KITS. EC SHALL USE #6 AWG CONDUCTOR AND MANUFACTURER APPROVED MECHANICAL BONDING CONNECTORS BETWEEN ALL SEGMENTS OF CABLE TRAY AND CABLE TRAY ACCESSORIES. 45 DEGREE RUNWAY SPLICE KITS WILL BE REQUIRED TO MEET CONDUIT SLEEVES ABOVE ADJACENT CEILING SPACE. CONTRACTOR SHALL COORDINATE TRANSITION HEIGHTS IN THE FIELD.
 - 2-POST EQUIPMENT RACKS WITH VERTICAL AND HORIZONTAL WIRE MANAGEMENT AS SPECIFIED. REFER TO 1 & 4/3X101 FOR ANCHORAGE.
 - 3/4" THICK FIRE RATED PLYWOOD BACKBOARD (PAINTED MATTE WHITE) ON FOUR WALLS PER PLAN, STACKED HORIZONTALLY. (2) SHEETS HIGH, 40.0' STALL P.F. COORDINATE WITH ELECTRICAL.
 - TELECOMMUNICATIONS GROUND BUS BAR (TGBB). REFER TO ELECTRICAL FOR MAIN SINGLE POINT GROUND. PROVIDE #6 AWG CONDUCTOR BETWEEN ALL SEGMENTS OF CABLE TRAY IN ROOM BACK TO TGBB USING MANUFACTURER'S APPROVED GROUNDING MEANS. REFER TO 8/X3701.
 - EXISTING IDF EQUIPMENT TO BE DEMOLISHED. SALVAGE EXISTING FIBER OPTIC CABLE SERVING THIS IDF AND RE-ROUTE TO NEW IDF LOCATION ON THIS FLOOR.
 - SITE PULL-BOX 'CPB'-01 AND SITE ACCESS FOR EXISTING FIBER OPTIC CABLE ENTERING THE BUILDING AT UNDERSLAB LOCATION. CONTRACTOR SHALL IDENTIFY ALL EXISTING FIBER OPTIC CABLE SERVING THIS BUILDING, AND PROCEED TO EXISTING FIBER CONSTRUCTION ACTIVITIES. PROVIDE NEW SUBMERSIBLE WATERPROOF 'COVOTE' STYLE IN-LINE FIBER SPLICE ENCLOSURE WITH NEW FUSION SPLICES TO INTERCEPT EXISTING FIBER OPTIC CABLE SERVING FIRST AND SECOND FLOOR MDF/IDF, AND EXTEND NEW FIBER OPTIC CABLE FROM THIS PULL-BOX INTO NEW MDF/IDF LOCATIONS UNDER THIS PROJECT. REFER TO RISER DIAGRAM X7201 FOR CONNECTIVITY DETAILS. PULL BACK EXISTING CABLE AS NECESSARY TO PROVIDE MINIMUM 5' OF SLACK LOOP WITHIN CPB. NEW FIBER CABLEING SHALL BE ROUTED IN NEW 1" RIGID WALL INNERDUCT FROM PULL-BOX TO EACH MDF/IDF LOCATION. EC SHALL SUPPORT CABLEING, INSIDE INNERDUCT, WITH NEW 'HOOKS' AT 5'-0" ON-CENTER IN UNDERSLAB CRAWL SPACE AND WHERE ROUTED IN ACCESSIBLE CEILING.
 - 4" C.O. TO FOR TELECOMMUNICATIONS CABLEING. QUANTITY AS SHOWN.
 - 4" C.O. FROM 1ST FLOOR IDF ROOM 128 UP TO SECOND FLOOR ACCESSIBLE CEILING SPACE FOR TELECOMMUNICATIONS CABLEING.

General Notes



Consultant

Career Technical Education Building Renovation Merced College 3600 M St, Merced, CA 95348		Project [REDACTED]
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1st FLOOR COMM/AV PLAN

Drawing



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