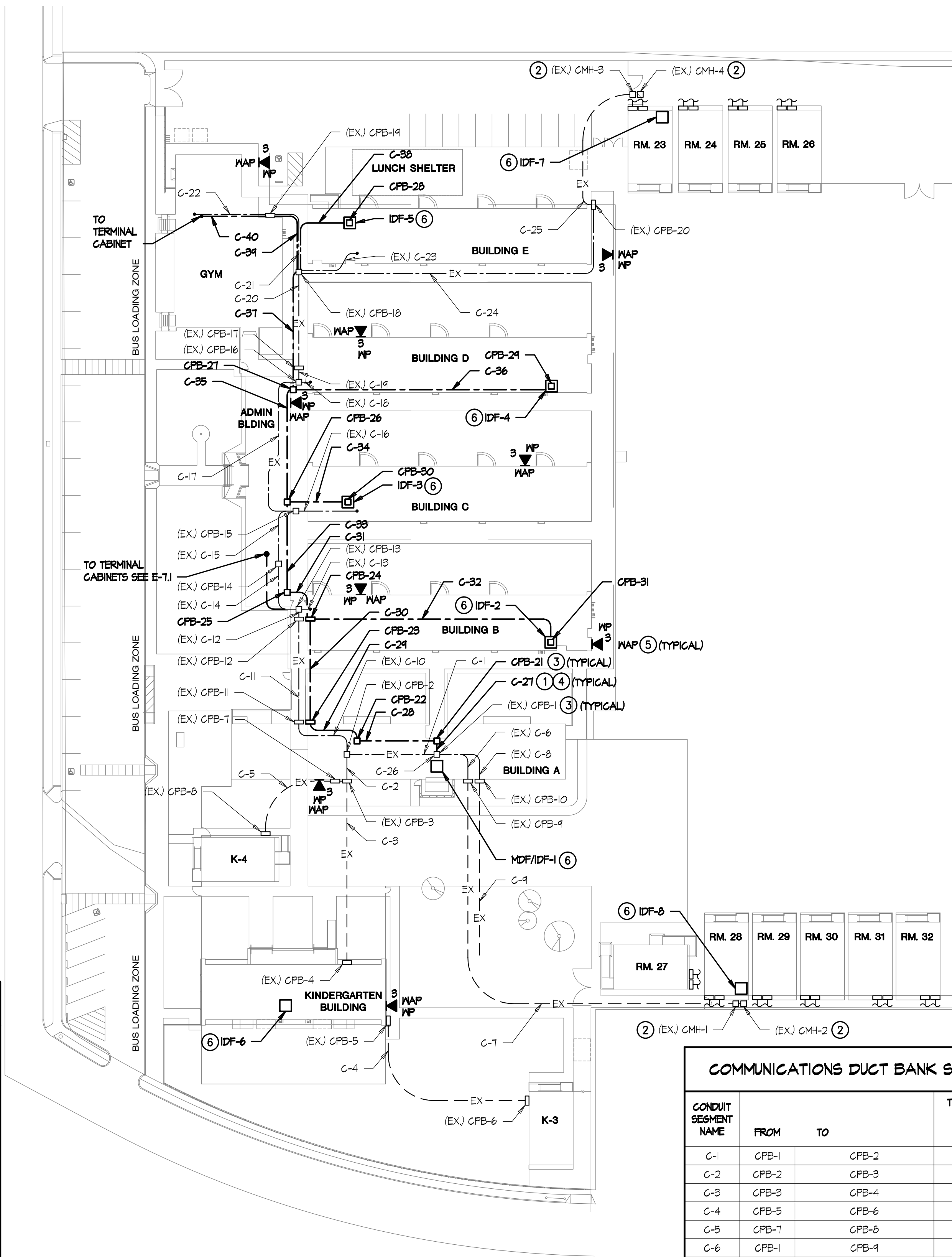


COMMUNICATION PULLBOX SCHEDULE		
NAME	NAME	TYPE
CPB-1	18"SQ. X 12"D	NEMA_3R
CPB-2	18"SQ. X 12"D	NEMA_3R
CPB-3	18"SQ. X 12"D	NEMA_3R
CPB-4	18"SQ. X 12"D	NEMA_3R
CPB-5	24"SQ. X 12"D	NEMA_3R
CPB-6	24"SQ. X 12"D	NEMA_3R
CPB-7	24"SQ. X 12"D	NEMA_3R
CPB-8	18"SQ. X 12"D	NEMA_3R
CPB-9	18"SQ. X 12"D	NEMA_3R
CPB-10	18"SQ. X 12"D	NEMA_3R
CPB-11	18"SQ. X 12"D	NEMA_3R
CPB-12	18"SQ. X 12"D	NEMA_3R
CPB-13	18"SQ. X 12"D	NEMA_3R
CPB-14	18"SQ. X 12"D	NEMA_3R
CPB-15	18"SQ. X 12"D	NEMA_3R
CPB-16	18"SQ. X 12"D	NEMA_3R
CPB-17	18"SQ. X 12"D	NEMA_3R
CPB-18	18"SQ. X 12"D	NEMA_3R
CPB-19	18"SQ. X 12"D	NEMA_3R
CPB-20	18"SQ. X 12"D	NEMA_3R
CPB-21	18"SQ. X 8"D	NEMA_3R
CPB-22	18"SQ. X 8"D	NEMA_3R
CPB-23	18"SQ. X 8"D	NEMA_3R
CPB-24	18"SQ. X 8"D	NEMA_3R
CPB-25	18"SQ. X 8"D	NEMA_3R
CPB-26	18"SQ. X 8"D	NEMA_3R
CPB-27	18"SQ. X 8"D	NEMA_3R
CPB-28	18"SQ. X 8"D	NEMA_3R
CPB-29	18"SQ. X 8"D	NEMA_3R
CPB-30	18"SQ. X 8"D	NEMA_3R
CPB-31	18"SQ. X 8"D	NEMA_3R

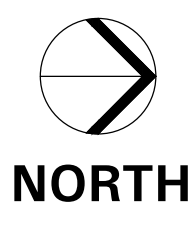
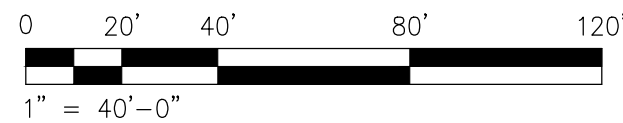


COMMUNICATIONS DUCT BANK SCHEDULE					
CONDUIT SEGMENT NAME	FROM	TO	TOTAL NUMBER OF CONDUITS		
			2"	1 1/2"	
C-1	CPB-1	CPB-2	-	-	
C-2	CPB-2	CPB-3	-	-	
C-3	CPB-3	CPB-4	-	-	
C-4	CPB-5	CPB-6	2"	-	
C-5	CPB-7	CPB-8	-	-	
C-6	CPB-1	CPB-9	2"	-	
C-7	CPB-9	CMH-1/2	4"	-	
C-8	CPB-1	CPB-10	2"	-	
C-9	CPB-10	UNKNOWN	5"	-	
C-10	CPB-2	CPB-11	-	-	
C-11	CPB-11	CPB-12	-	-	
C-12	CPB-12	CPB-13	-	-	
C-13	CPB-13	BLDG B	-	-	
C-14	CPB-13	CPB-14	-	-	
C-15	CPB-14	CPB-15	-	-	
C-16	CPB-15	BLDG C TERMINAL CABINET	2"	2"	
C-17	CPB-15	CPB-16	-	-	
C-18	CPB-16	BLDG D TERMINAL CABINET	-	-	
C-19	CPB-16	CPB-17	-	-	
C-20	CPB-17	CPB-18	-	-	
C-21	CPB-18	CPB-19	-	-	
C-22	CPB-19	GYM TERMINAL CABINET	-	-	
C-23	CPB-18	BLDG E TERMINAL CABINET	-	-	
C-24	CPB-18	CPB-20	4"	-	
C-25	CPB-20	CMH-3/4	-	-	
C-26	MDF TERMINAL CABINET	CPB-1	2	2	

CONDUIT BREAKDOWN										
CONDUIT SEGMENT NAME	FIBER CONDUITS #/B 1/4" INTERDUITS EA. *			COPPER SECURITY/CATV/INTERCOM				FIRE ALARM / SMOKE		SPARE
	F1	F2	F3	C1	C2	C3	C4	FA	6	
C-1	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-2	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-3	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-4	-	-	-	2"	2"	-	-	-	-	-
C-5	-	-	-	2"	2"	2"	-	-	-	2"
C-6	-	-	-	2"	2"	-	-	-	-	-
C-7	-	-	-	2"	2"	2"	2"	-	-	-
C-8	-	-	-	2"	2"	-	-	-	-	-
C-9	-	-	-	2"	2"	2"	2"	-	-	2"
C-10	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-11	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-12	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-13	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-14	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-15	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-16	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-17	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-18	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-19	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-20	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-21	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-22	-	-	-	2"	1 1/2"	-	-	-	-	-
C-23	2"	-	-	2"	1 1/2"	-	-	1 1/2"	-	-
C-24	2"	-	-	2"	2"	2"	-	-	-	-
C-25	2"	-	-	2"	2"	2"	-	-	-	-
C-26	2"	-	-	2"	1 1/2"	1 1/2"	-	-	-	-
C-27	2"	-	-	-	-	-	-	-	-	2"
C-28	2"	-	-	-	-	-	-	-	-	2"
C-29	2"	-	-	-	-	-	-	-	-	2"
C-30	2"	-	-	-	-	-	-	-	-	2"
C-31	2"	-	-	-	-	-	-	-	-	2"
C-32	2"	-	-	-	-	-	-	-	-	2"
C-33	2"	-	-	-	-	-	-	-	-	2"
C-34	2"	-	-	-	-	-	-	-	-	2"
C-35	2"	-	-	-	-	-	-	-	-	2"
C-36	2"	-	-	-	-	-	-	-	-	2"
C-37	2"	-	-	-	-	-	-	-	-	2"
C-38	2"	-	-	-	-	-	-	-	-	2"
C-39	-	-	-	2"	-	-	-	-	-	-
C-40	-	-	-	2"	-	-	-	-	-	-

* PROVIDE MAXCELL 2" 3-CELL FABRIC INNERDUCT IN 2" CONDUITS. USE (1) CELL PER CABLE TYPE.

COMMUNICATIONS DUCT BANK SCHEDULE (CONTINUED)					
CONDUIT SEGMENT NAME	FROM	TO	TOTAL NUMBER OF CONDUITS		
			2"	1 1/2"	
C-27	CPB-21	CPB-1	2	-	
C-28	CPB-21	CPB-22	2	-	
C-29	CPB-22	CPB-23	2	-	
C-30	CPB-23	CPB-24	2	-	
C-31	CPB-24	CPB-25	2	-	
C-32	CPB-24	CPB-31	2	-	
C-33	CPB-25	CPB-26	2	-	
C-34	CPB-26	CPB-30	2	-	
C-35	CPB-26	CPB-27	2	-	
C-36	CPB-27	CPB-29	2	-	
C-37	CPB-27	CPB-18	2	-	
C-38	CPB-18	CPB-28	2	-	
C-39	CPB-18	CPB-19	1	-	
C-40	CPB-19	GYM TERMINAL CABINET	-	-	
C-41	CPB-25	CPB-28	2	-	



1" = 40'-0"

KEYNOTES

- SEE DETAIL C/ET-5.3 FOR CABLE DISTRIBUTION.
- SEE DETAIL F/ET-5.3 FOR LABELING REQUIREMENTS.
- SEE DETAIL D/ET-5.3 FOR LABELING REQUIREMENTS.
- SEE DETAIL E/ET-5.3 FOR LABELING REQUIREMENTS.
- WIRELESS ACCESS POINT LOCATIONS SHOWN FOR REFERENCE ONLY. SEE BUILDING SIGNAL SHEET FOR ADDITIONAL DETAIL.
- SEE BUILDING SIGNAL SHEET FOR MDF/IDF DETAIL.

TRENCHING NOTE

LOCATIONS OF EXISTING UNDERGROUND UTILITY AND OTHER UNDERGROUND OBSTRUCTIONS AND CONDITIONS ARE GENERALLY UNKNOWN. HIRE A UTILITY LOCATING SERVICE TO LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. VERIFY EXACT LOCATION SIZE AND EXTENT OF ALL OBSTRUCTIONS AND OTHER CONDITIONS WHICH MAY AFFECT THE PROPOSED WORK UNDER THE PROJECT. TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO EXISTING WORK, INCLUDING HAND DIGGING AROUND EXISTING UTILITIES, TREE ROOT SYSTEMS, AND HARDSCAPE FEATURES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE IMMEDIATELY REPAIRED OR REPLACED IN ACCORDANCE WITH THE CLIENT'S DIRECTION AT THE CONTRACTOR'S EXPENSE.

SPECIAL NOTE

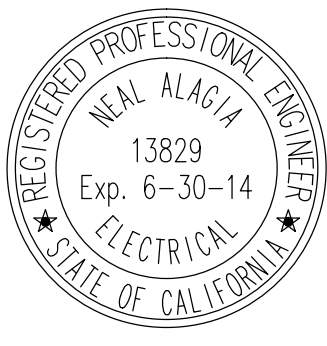
IT IS THE INTENT OF THIS CONTRACT TO LOCATE ALL DATA OUTLETS IN THIS BUILDING AND REPLACE THE DATA OUTLETS AND CABLING WITH CATEGORY 6 JACKS AND CABLE. CONTRACTOR SHALL ALLOW FOR AN ADDITIONAL 5% FOR DATA OUTLETS NOT IDENTIFIED ON THESE PLANS AND NOTIFY THE OWNER SHOULD ADDITIONAL OUTLETS ABOVE THE 5% ALLOWANCE BE FOUND DURING CONSTRUCTION. ALL EXISTING VOICE OUTLETS ARE TO REMAIN IN SERVICE.

GENERAL NOTES

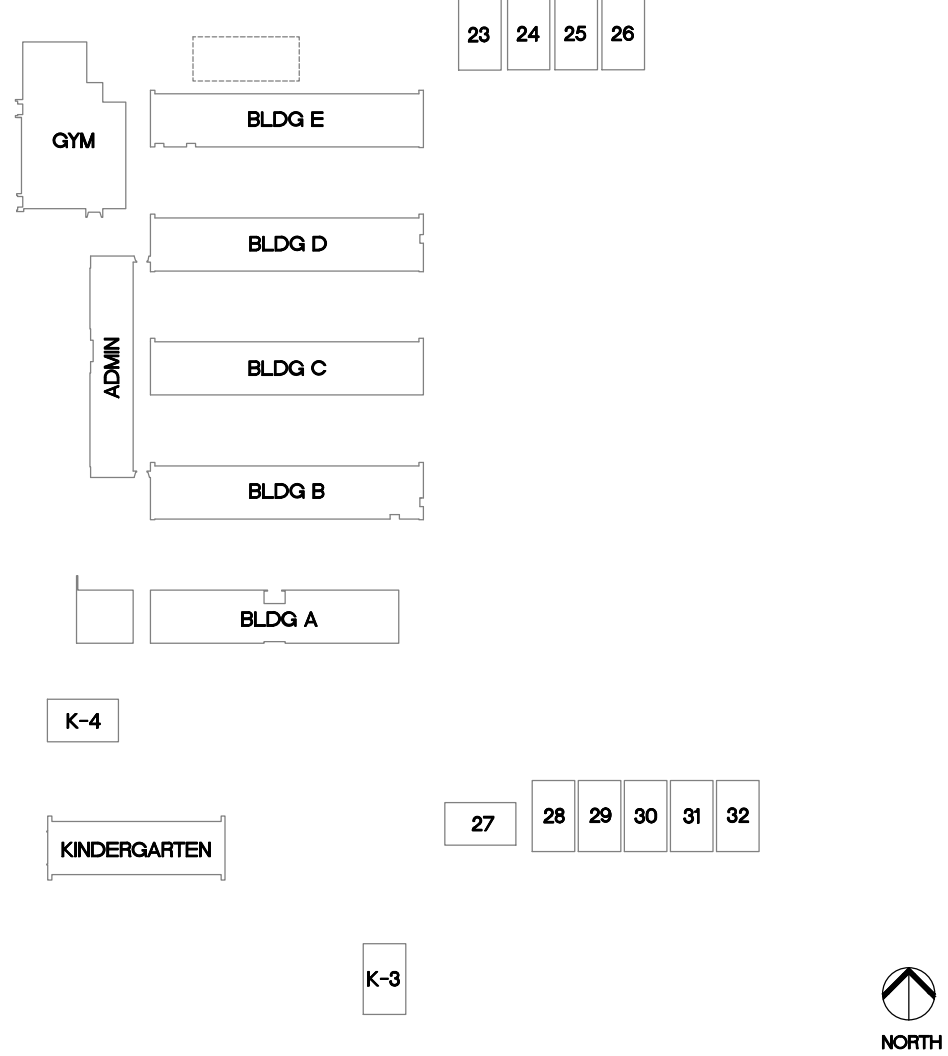
- ALL EXISTING SYSTEMS NOT UPGRADED UNDER THIS CONTRACT TO REMAIN OPERATIONAL DURING CONSTRUCTION.
- REMOVE ALL DISCONNECTED CABLING BACK TO SOURCE. NO CABLES ARE TO BE ABANDONED IN PLACE.
- CONTRACTOR TO LOCATE AND VERIFY EXISTING PULL POINTS BETWEEN MDF/IDF.

KEYPLAN

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V.PHATHANAK D9/10/12 - 5:16PM



MARK FORTIE, RCDD
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
EXPIRES 12/31/13
Regis. No. 081432



CONSULTANT

APPROVALS

DESCRIPTION

SIGNAL SITE PLAN

DATE

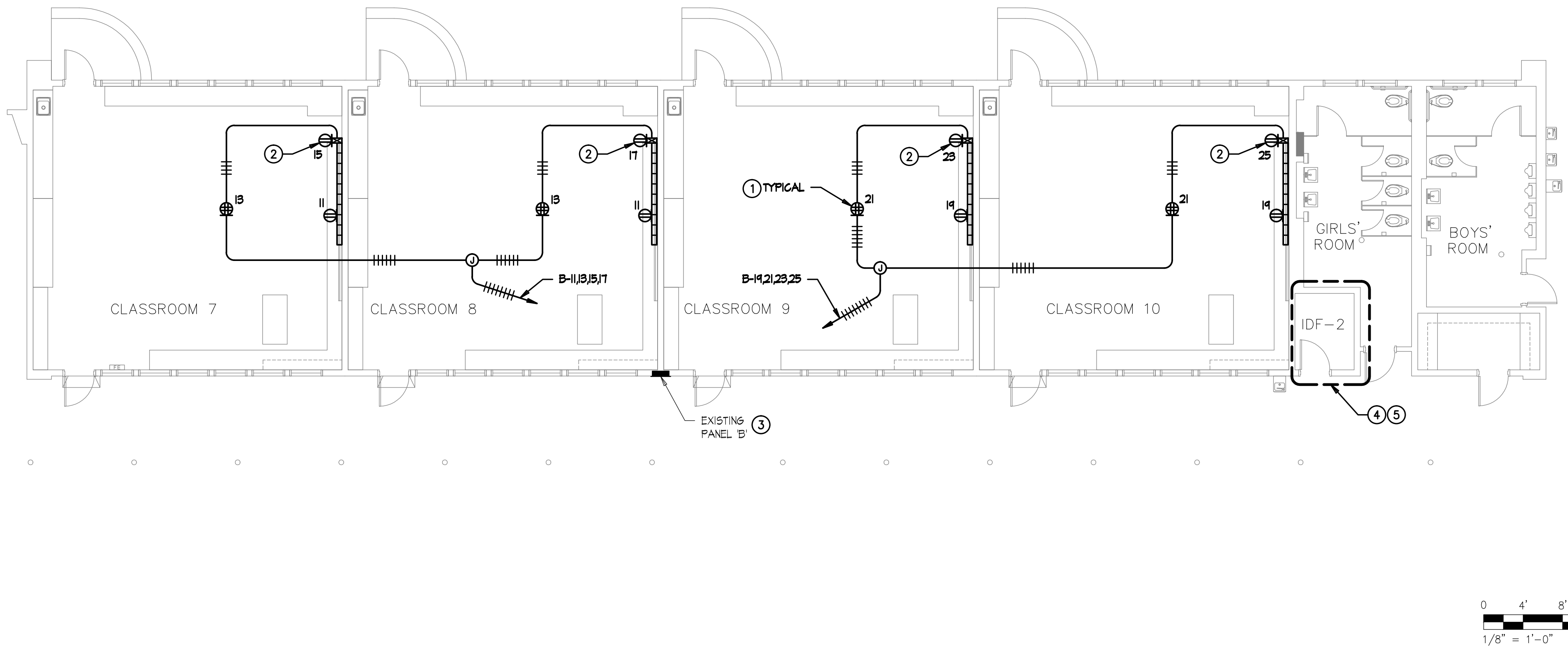
09/10/12

JOB

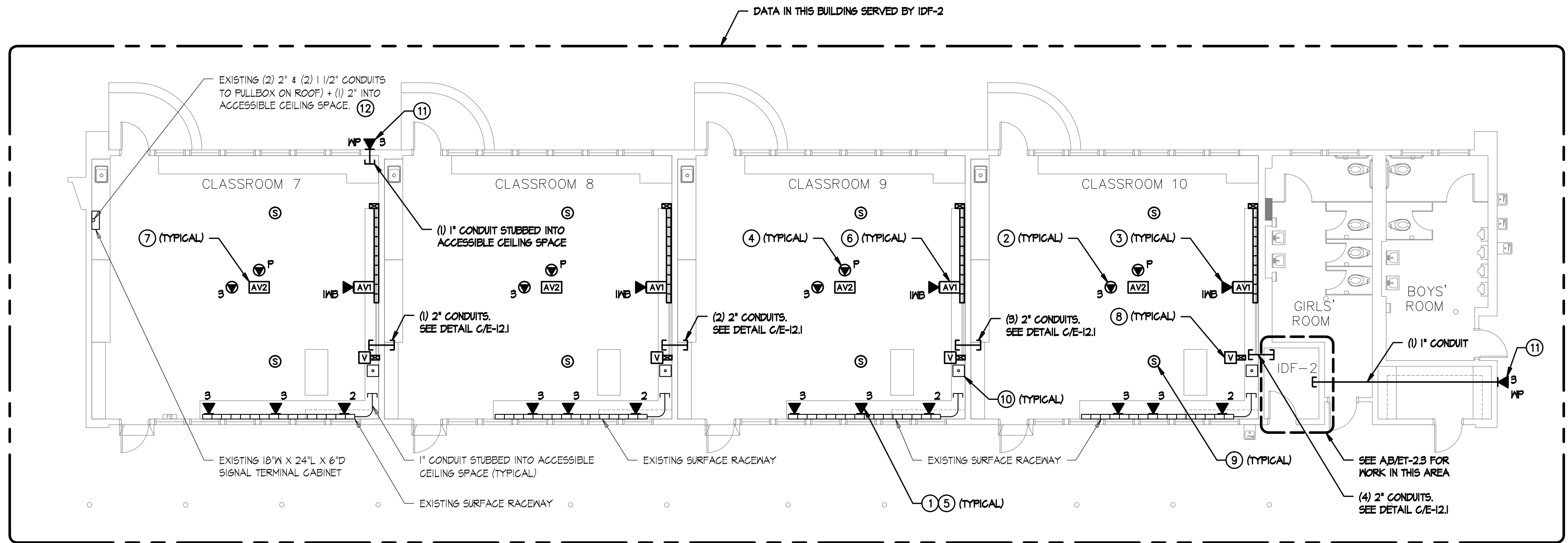
12164

SHEET

E-04



BUILDING B - POWER PLAN



BUILDING B - SIGNAL PLAN

POWER PLAN KEYNOTES

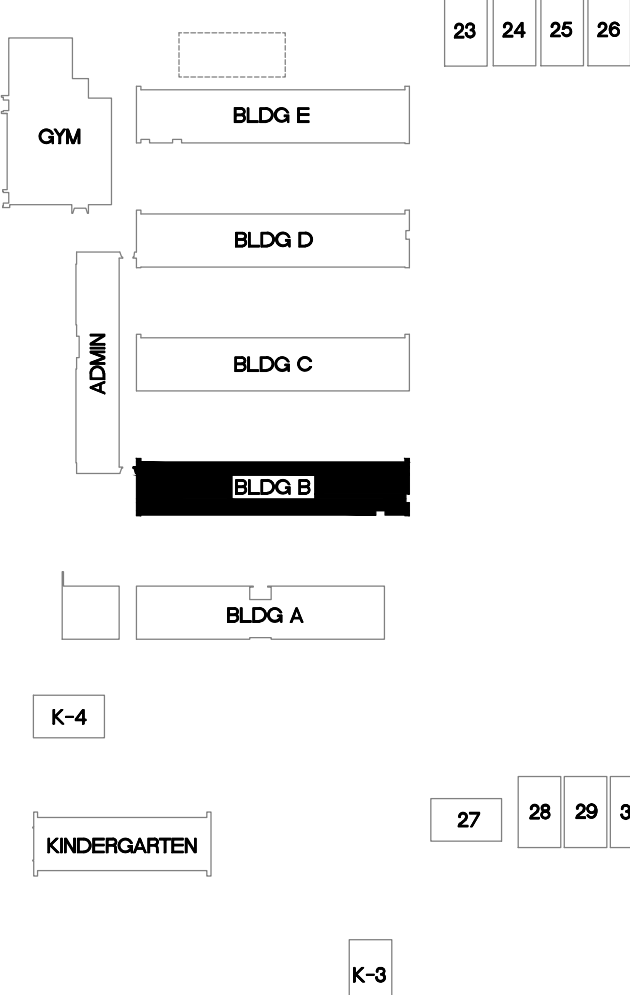
- 1 MOUNT DOUBLE DUPLEX RECEPTACLE IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
- 2 PROVIDE RECEPTACLE MOUNTED AT +30" AFF FOR LAPTOP CART, PROVIDE DEDICATED BRANCH CIRCUIT.
- 3 SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- 4 PROVIDE NEW POWER OUTLETS FOR IDF-2, SEE E-13.0 AND E-13.2 FOR ADDITIONAL POWER AND LIGHTING WORK IN THIS AREA.
- 5 SEE E-13.1 FOR FIRE ALARM WORK IN THIS AREA.

SIGNAL PLAN KEYNOTES

- 1 CATEGORY 6 DATA OUTLET, PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF, UTILIZE EXISTING PATHWAYS U.O.N. FOR INSTALLATION IN WALLS.
- 2 CATEGORY 6 DATA OUTLET MOUNTED ABOVE LAY-IN CEILING DESIGNATED FOR WIRELESS NETWORK, PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF, SEE DETAIL F/ET-5.2.
- 3 (1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD, PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF, LOCATION TO BE AT CENTER OF TEACHING WALL AT +18" AFF, SEE DETAIL A/ET-5.5.
- 4 (1) PORT CATEGORY 6 DATA OUTLET AT CEILING MOUNTED PROJECTOR DESIGNATED FOR PROJECTOR MONITORING, PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF, CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- 5 SEE DETAIL A/B/ET-5.3 FOR LABELING REQUIREMENTS.
- 6 AVI INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF, PROVIDE EXTRON 2-GANG ENB SERIES WALL BOX FOR AVI INTERFACE, SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 7 AUDIO/VISUAL FLYING LEADS AT CEILING MOUNTED PROJECTOR LOCATION, SEE ET-5.4 & B/ET-5.5 FOR DETAILS.
- 8 AUDIO VOLUME CONTROL OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +45" AFF, SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 9 AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE, SEE ET-5.4 FOR DETAILS.
- 10 EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- 11 DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT, COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER.
- 12 SEE D/ET-5.3 FOR LABELING REQUIREMENTS.

GENERAL NOTES (SIGNAL)

1. SEE DATA RISER DIAGRAM ON ET-1.2 FOR CABLING DETAILS.
2. SUPPORT CATEGORY 6 & AUDIO/VISUAL CABLING WITH 'U-HOOK' SUPPORTS EVERY 4' WHERE CABLES ARE NOT SUPPORTED, ROUTED THROUGH CONDUIT OR CABLE TRAY, MAINTAIN 12" CLEARANCE FROM ELECTRICAL & LIGHTING, SEE DETAIL D/ET-5.2.

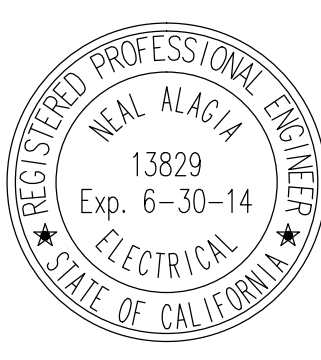


KEYPLAN

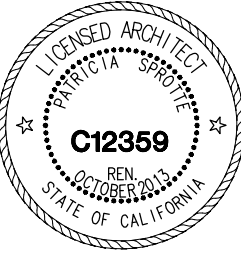


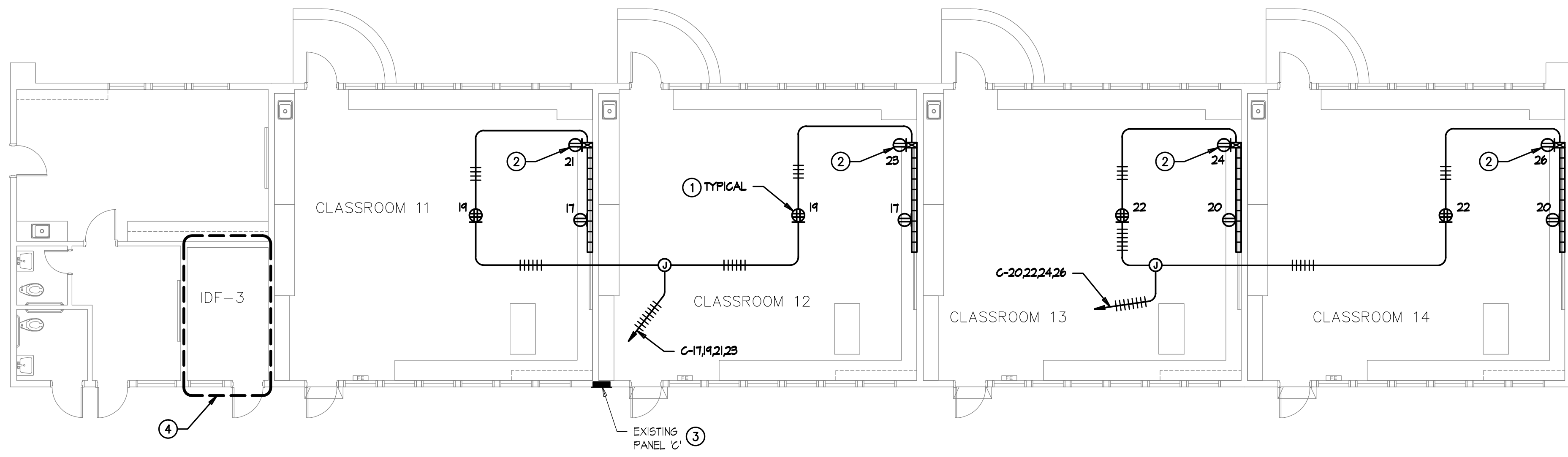
1/8" = 1'-0"

TURPIN & RATTAN
ENGINEERING, INC.
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TREI # 12164
V.PHATHANAK 09/10/12 - 5:16PM



MARK FORTIE, RCDD
REGISTERED PROFESSIONAL COMMUNICATIONS DESIGNER
BICSI
EXPIRES 12/31/13
Regis. No. 081432

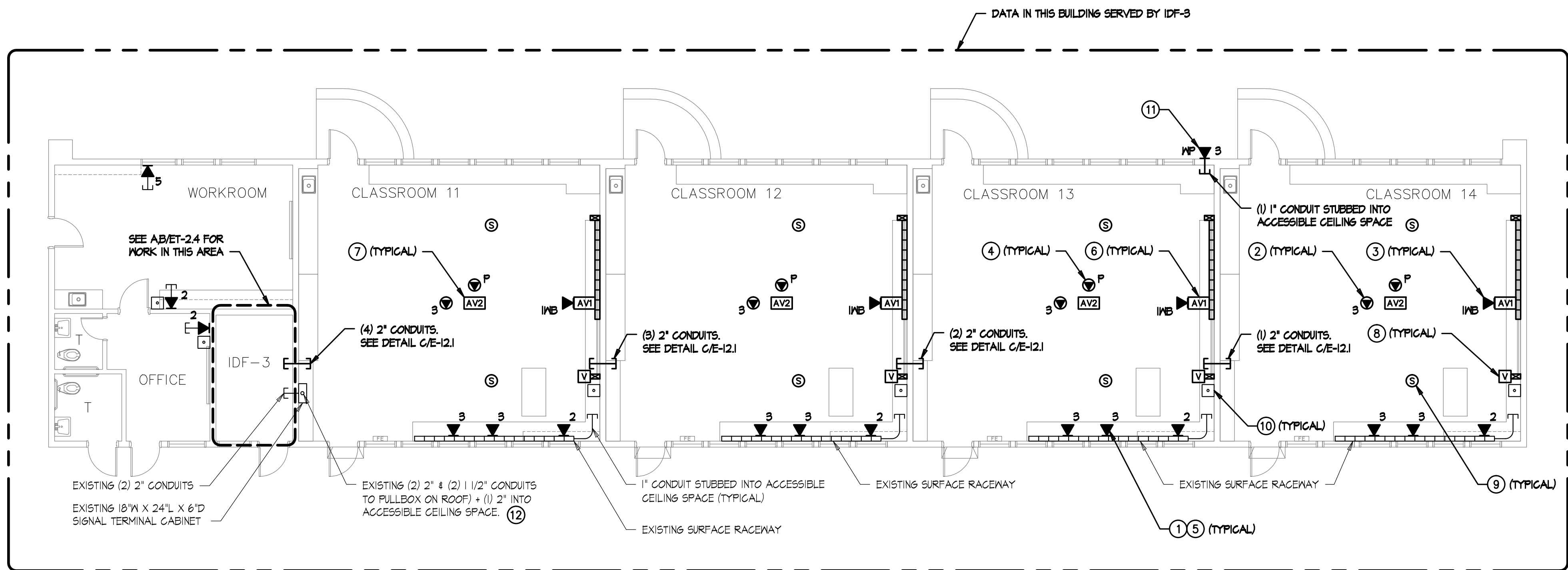




NORTH

1/8" = 1'-0"

BUILDING C - POWER PLAN



NORTH

1/8" = 1'-0"

BUILDING C - SIGNAL PLAN

POWER PLAN KEYNOTES

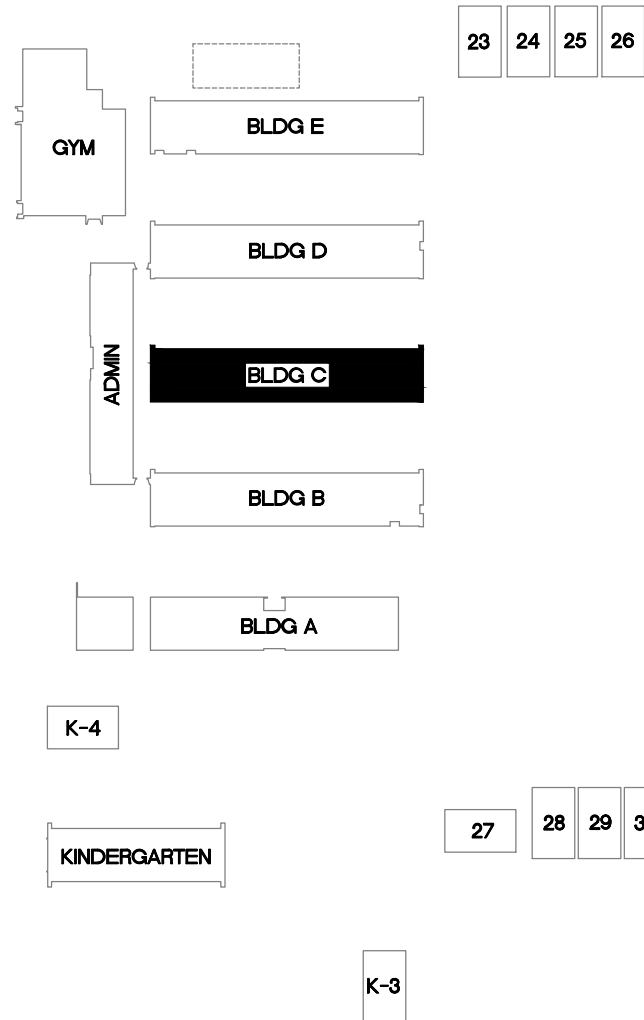
- 1 MOUNT DOUBLE DUPLEX RECEPTACLE IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
- 2 PROVIDE RECEPTACLE MOUNTED AT +30" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT.
- 3 SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- 4 PROVIDE NEW POWER OUTLETS FOR IDF-3. SEE E-19.1 AND E-19.2 FOR ADDITIONAL POWER AND LIGHTING WORK IN THIS AREA.

SIGNAL PLAN KEYNOTES

- 1 CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. UTILIZE EXISTING PATHWAYS U.O.N. FOR INSTALLATION IN WALLS.
- 2 CATEGORY 6 DATA OUTLET MOUNTED ABOVE LAY-IN CEILING DESIGNATED FOR WIRELESS NETWORK. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. SEE DETAIL F/ET-5.2.
- 3 (1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. LOCATION TO BE AT CENTER OF TEACHING WALL AT +18" AFF. SEE DETAIL A/ET-5.5.
- 4 (1) PORT CATEGORY 6 DATA OUTLET AT CEILING MOUNTED PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- 5 SEE DETAIL A/B/ET-5.3 FOR LABELING.
- 6 AVI INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-GANG EMB SERIES WALL BOX FOR AVI INTERFACE. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 7 AUDIO/VISUAL FLYING LEADS AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & B/ET-5.5 FOR DETAILS.
- 8 AUDIO VOLUME CONTROL OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +45" AFF. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 9 AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- 10 EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- 11 DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER.
- 12 SEE D/ET-5.3 FOR LABELING DETAILS.

GENERAL NOTES (SIGNAL)

1. SEE DATA RISER DIAGRAM ON ET-1.2 FOR CABLING DETAILS.
2. SUPPORT CATEGORY 6 & AUDIO/VISUAL CABLING WITH 'U-HOOK' SUPPORTS EVERY 4' WHERE CABLES ARE NOT SUPPORTED, ROUTED THROUGH CONDUIT OR CABLE TRAY. MAINTAIN 12" CLEARANCE FROM ELECTRICAL & LIGHTING. SEE DETAIL D/ET-5.2.



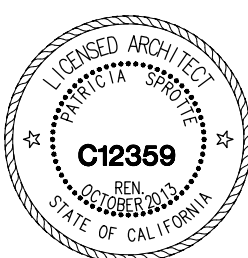
KEYPLAN

NTS

TURPIN & RATTAN
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REGISTERED PROFESSIONAL ENGINEER
NEAL ALACIA
13829
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

MARK FORTIE, RCDD
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
EXPIRES 12/31/13
Regis. No. 081432



CONSULTANT

APPROVALS

DESCRIPTION

BUILDING C
POWER AND
SIGNAL PLANS

DATE

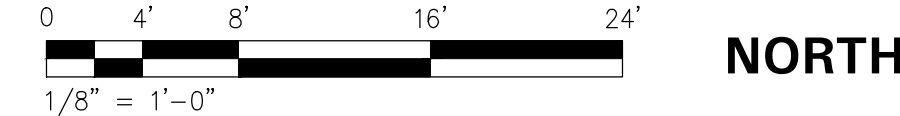
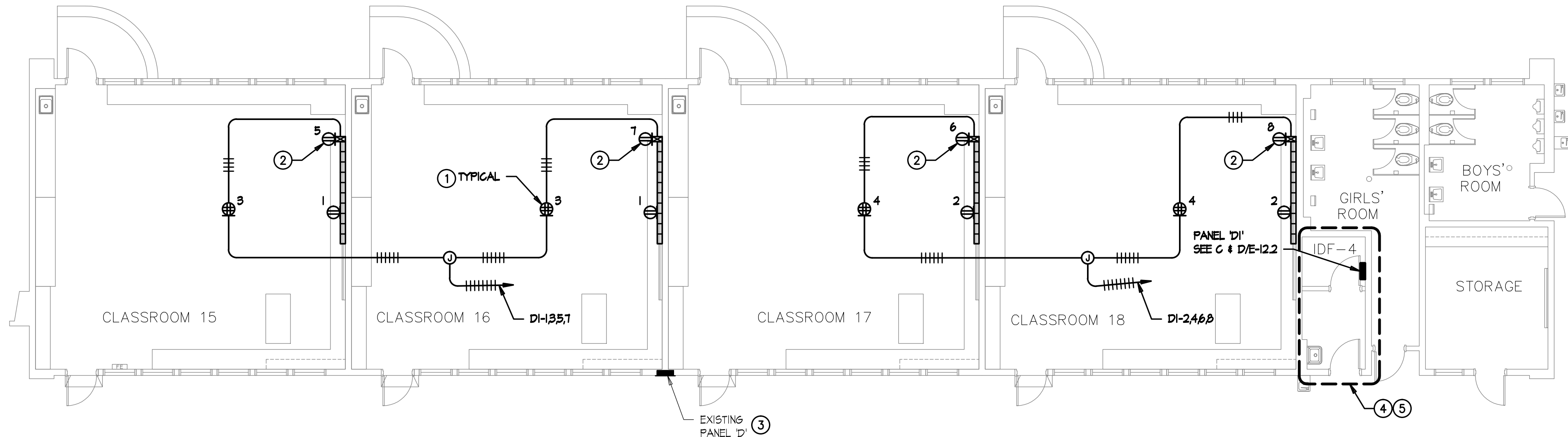
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JOB #

12164

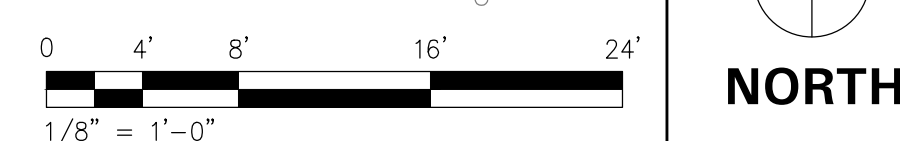
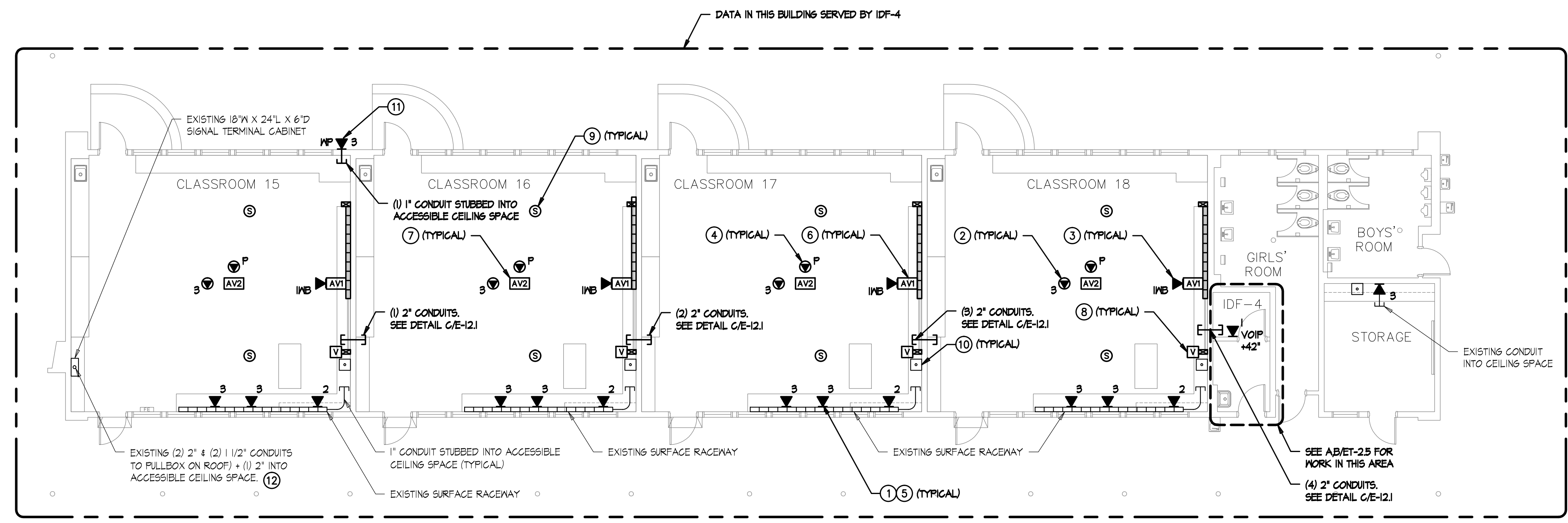
SHEET #

E-31



BUILDING D - POWER PLAN

1/8" = 1'-0"



BUILDING D - SIGNAL PLAN

1/8" = 1'-0"

POWER PLAN KEYNOTES

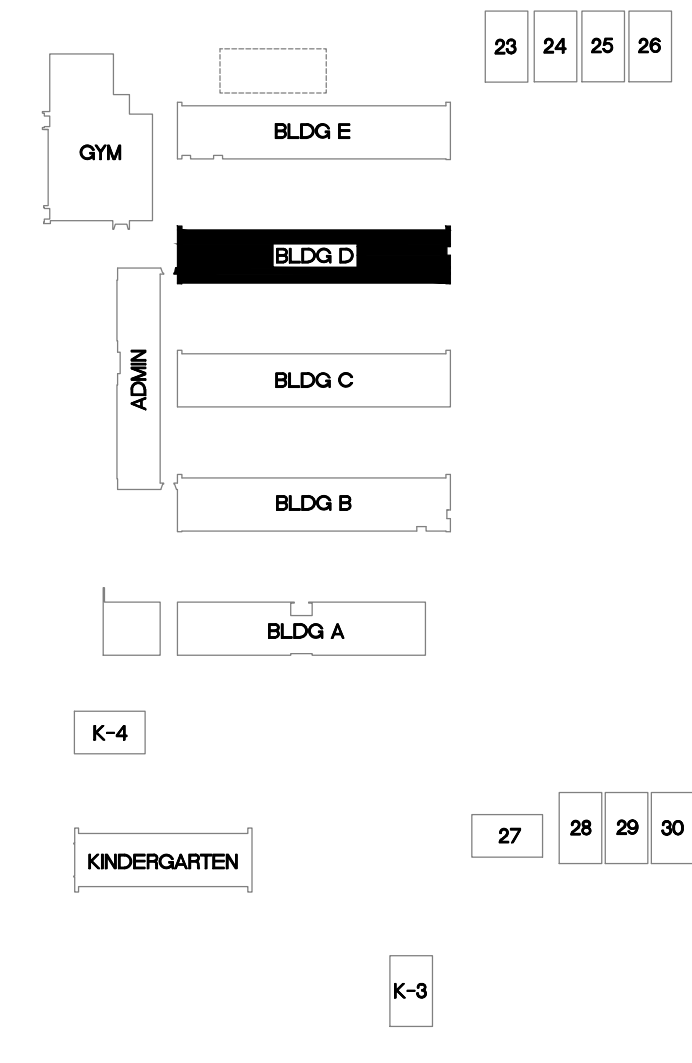
- 1 MOUNT DOUBLE DUPLEX RECEPTACLE IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
- 2 PROVIDE RECEPTACLE MOUNTED AT +30" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT.
- 3 SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- 4 PROVIDE NEW POWER OUTLETS FOR IDF-4. SEE E-19.1 AND E-19.2 FOR ADDITIONAL POWER AND LIGHTING WORK IN THIS AREA.
- 5 SEE E-19.1 FOR FIRE ALARM WORK IN THIS AREA.

SIGNAL PLAN KEYNOTES

- 1 CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. UTILIZE EXISTING PATHWAYS U.O.N. FOR INSTALLATION IN WALLS.
- 2 CATEGORY 6 DATA OUTLET MOUNTED ABOVE LAY-IN CEILING DESIGNATED FOR WIRELESS NETWORK. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. SEE DETAIL F/ET-5.2.
- 3 (1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. LOCATION TO BE AT CENTER OF TEACHING WALL AT +18" AFF. SEE DETAIL A/ET-5.5.
- 4 (1) PORT CATEGORY 6 DATA OUTLET AT CEILING MOUNTED PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- 5 SEE DETAIL A/B/ET-5.3 FOR LABELING REQUIREMENTS.
- 6 AVI INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-GANG EMB SERIES WALL BOX FOR AVI INTERFACE. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 7 AUDIO/VISUAL FLYING LEADS AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & B/ET-5.5 FOR DETAILS.
- 8 AUDIO VOLUME CONTROL OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +45" AFF. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 9 AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- 10 EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- 11 DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER.
- 12 SEE D/ET-5.3 FOR LABELING REQUIREMENTS.

GENERAL NOTES (SIGNAL)

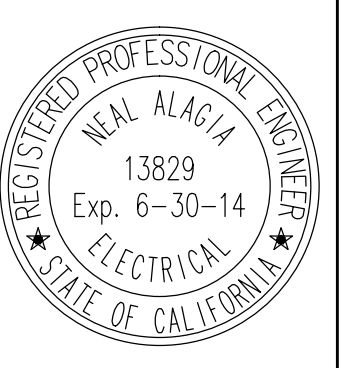
1. SEE DATA RISER DIAGRAM ON ET-1.3 FOR CABLING DETAILS.
2. SUPPORT CATEGORY 6 & AUDIO/VISUAL CABLING WITH 'U-HOOK' SUPPORTS EVERY 4' WHERE CABLES ARE NOT SUPPORTED, ROUTED THROUGH CONDUIT OR CABLE TRAY. MAINTAIN 12" CLEARANCE FROM ELECTRICAL & LIGHTING. SEE DETAIL D/ET-5.2.



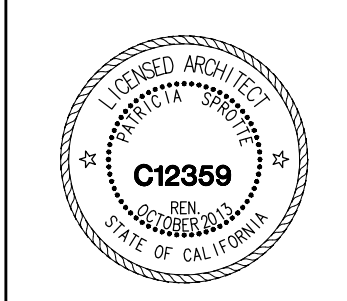
KEYPLAN

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TREI # 12164
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MARK FORTIE, RCDD
REGISTERED PROFESSIONAL COMMUNICATIONS DESIGNER
BICSI
DISTRIBUTION DESIGNER
EXPIRES 12/31/13
Regis. No. 081432



CONSULTANT

APPROVALS

DESCRIPTION

BUILDING D
POWER AND
SIGNAL PLANS

DATE

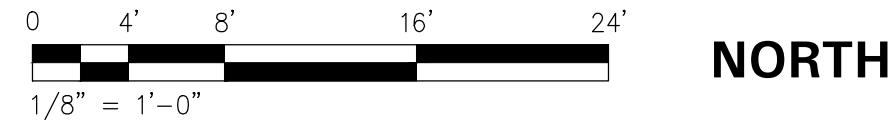
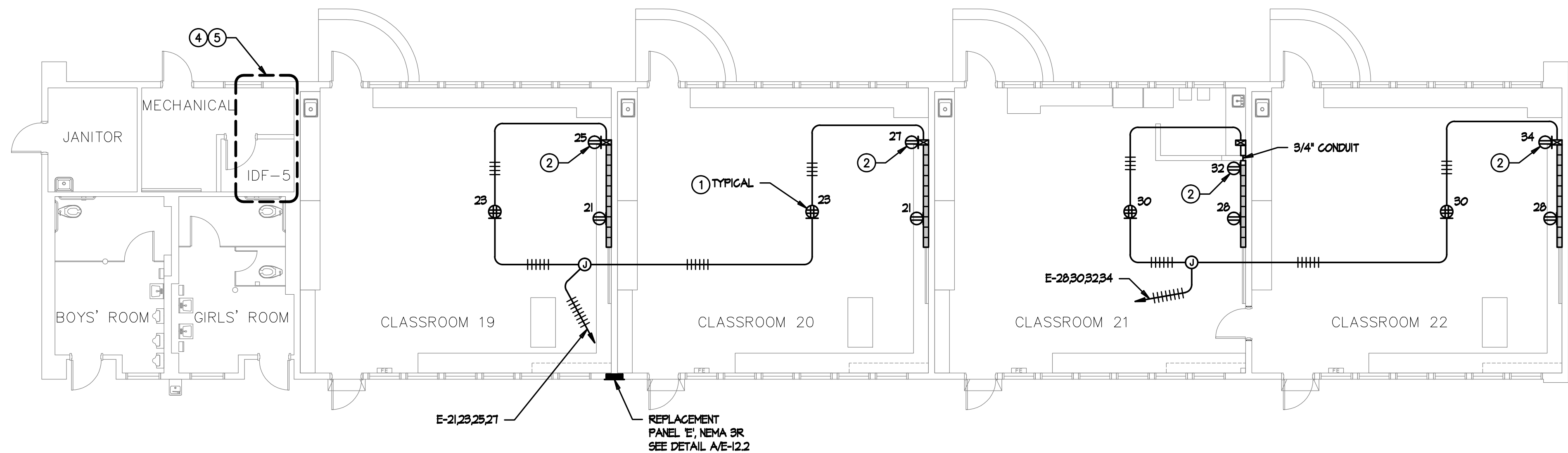
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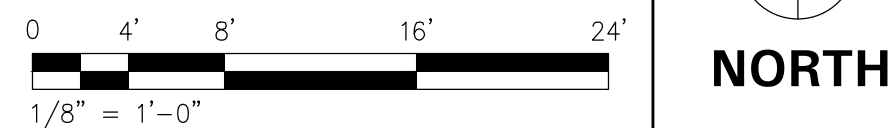
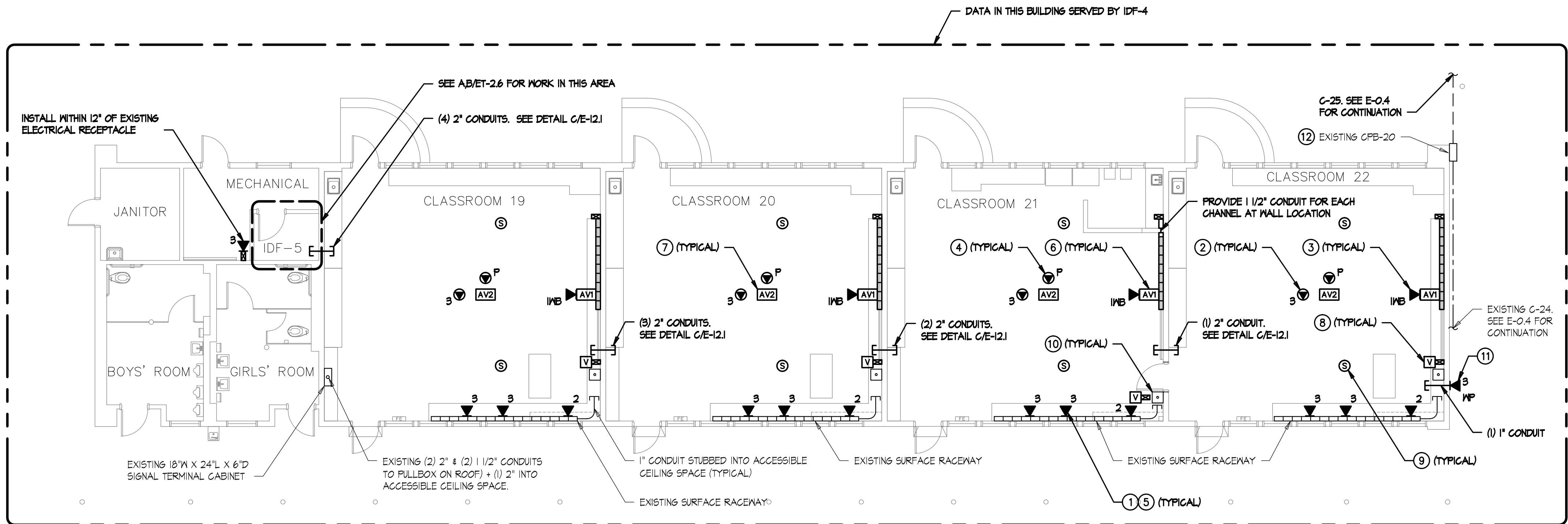
SHEET #

E-4.1



BUILDING E - POWER PLAN

1/8" = 1'-0"



BUILDING E - SIGNAL PLAN

1/8" = 1'-0"

POWER PLAN KEYNOTES

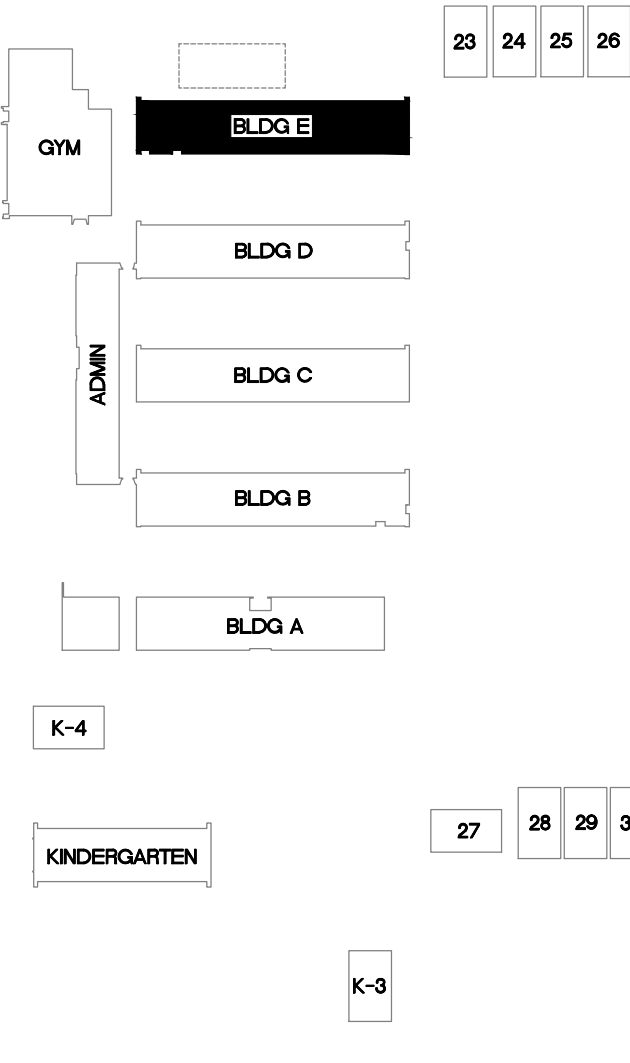
- 1 MOUNT DOUBLE DUPLEX RECEPTACLE IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
- 2 PROVIDE RECEPTACLE MOUNTED AT +30" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT.
- 3 SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- 4 PROVIDE NEW POWER OUTLETS FOR IDF-5. SEE E-19.1 AND E-19.2 FOR ADDITIONAL POWER AND LIGHTING WORK IN THIS AREA.
- 5 SEE E-19.1 FOR FIRE ALARM WORK IN THIS AREA.

SIGNAL PLAN KEYNOTES

- 1 CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. UTILIZE EXISTING PATHWAYS U.O.N. FOR INSTALLATION IN WALLS.
- 2 CATEGORY 6 DATA OUTLET MOUNTED ABOVE LAY-IN CEILING DESIGNATED FOR WIRELESS NETWORK. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. SEE DETAIL F/ET-5.2.
- 3 (1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. LOCATION TO BE AT CENTER OF TEACHING WALL AT +18" AFF. SEE DETAIL A/ET-5.5.
- 4 (1) PORT CATEGORY 6 DATA OUTLET AT CEILING MOUNTED PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- 5 SEE DETAIL A/B/ET-5.3 FOR LABELING REQUIREMENTS.
- 6 AVI INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-GANG EMB SERIES WALL BOX FOR AVI INTERFACE. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 7 AUDIO/VISUAL FLYING LEADS AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & B/ET-5.5 FOR DETAILS.
- 8 AUDIO VOLUME CONTROL OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +45" AFF. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 9 AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- 10 EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- 11 DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER.
- 12 SEE D/ET-5.3 FOR LABELING REQUIREMENTS.

GENERAL NOTES (SIGNAL)

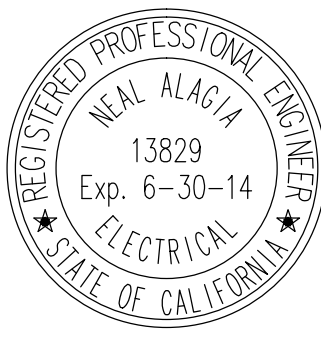
1. SEE DATA RISER DIAGRAM ON ET-1.3 FOR CABLING DETAILS.
2. SUPPORT CATEGORY 6 & AUDIO/VISUAL CABLING WITH 'U-HOOK' SUPPORTS EVERY 4' WHERE CABLES ARE NOT SUPPORTED, ROUTED THROUGH CONDUIT OR CABLE TRAY. MAINTAIN 12" CLEARANCE FROM ELECTRICAL & LIGHTING. SEE DETAIL D/ET-5.2.

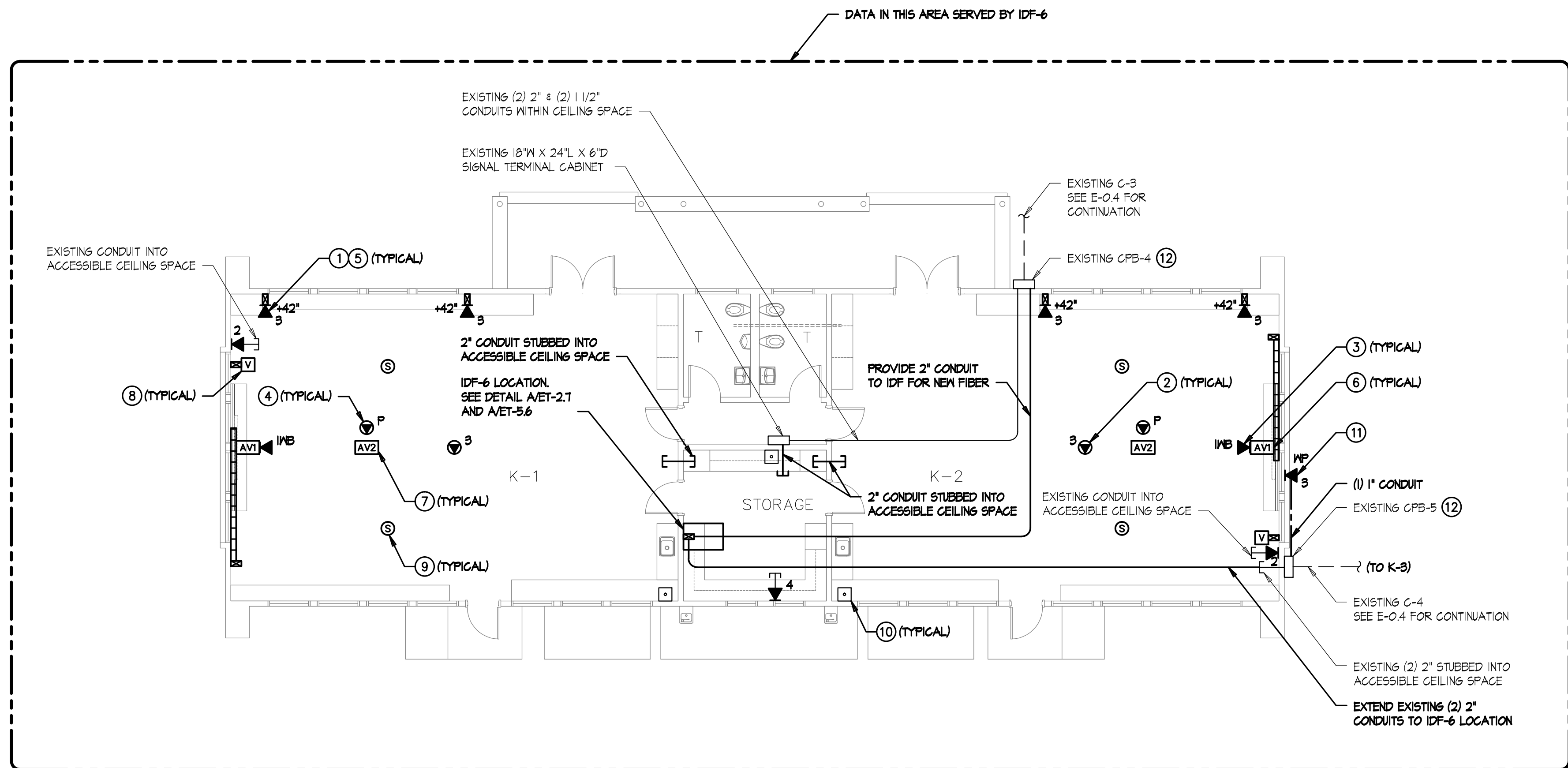
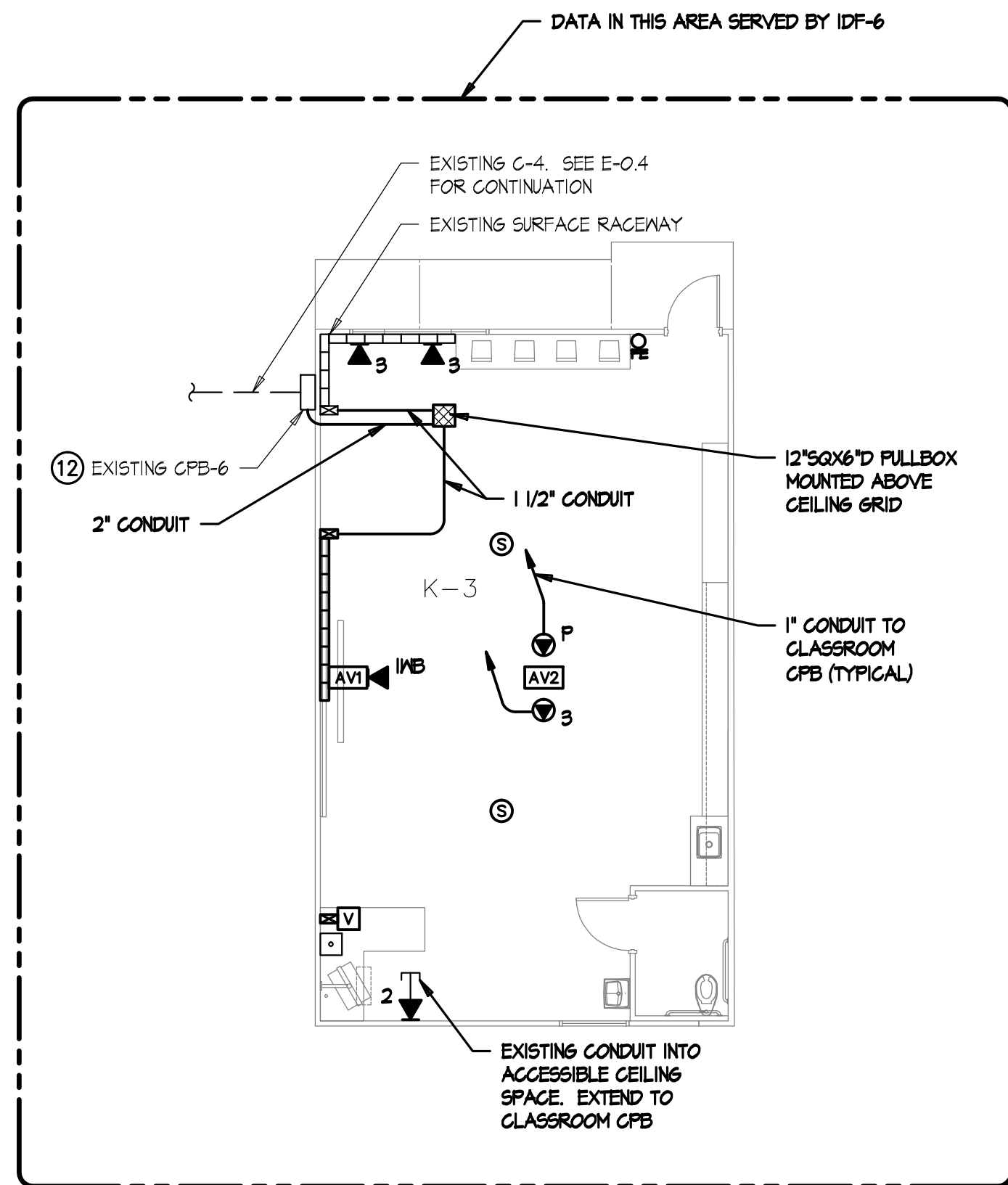
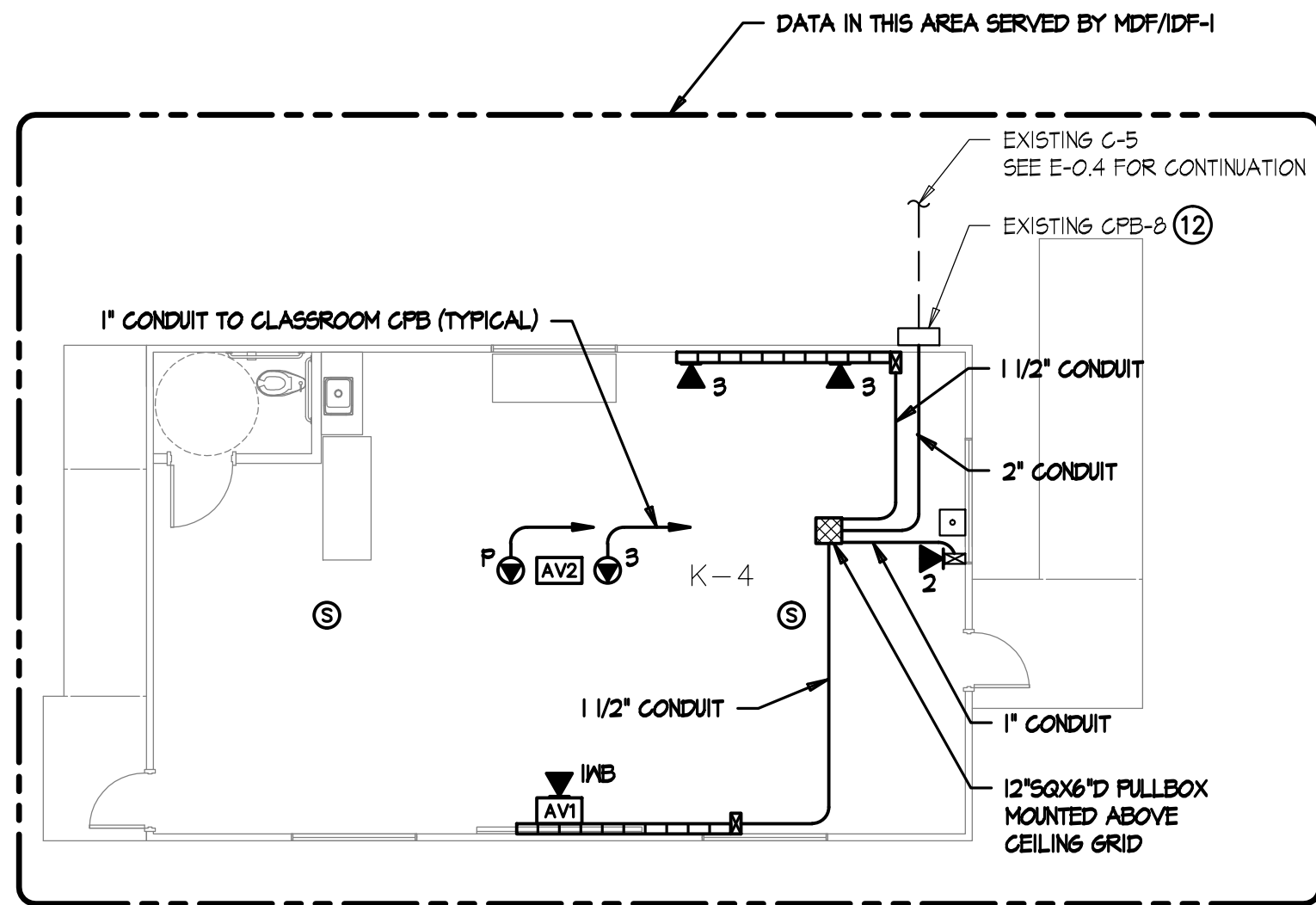


KEYPLAN

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TREI # 12164
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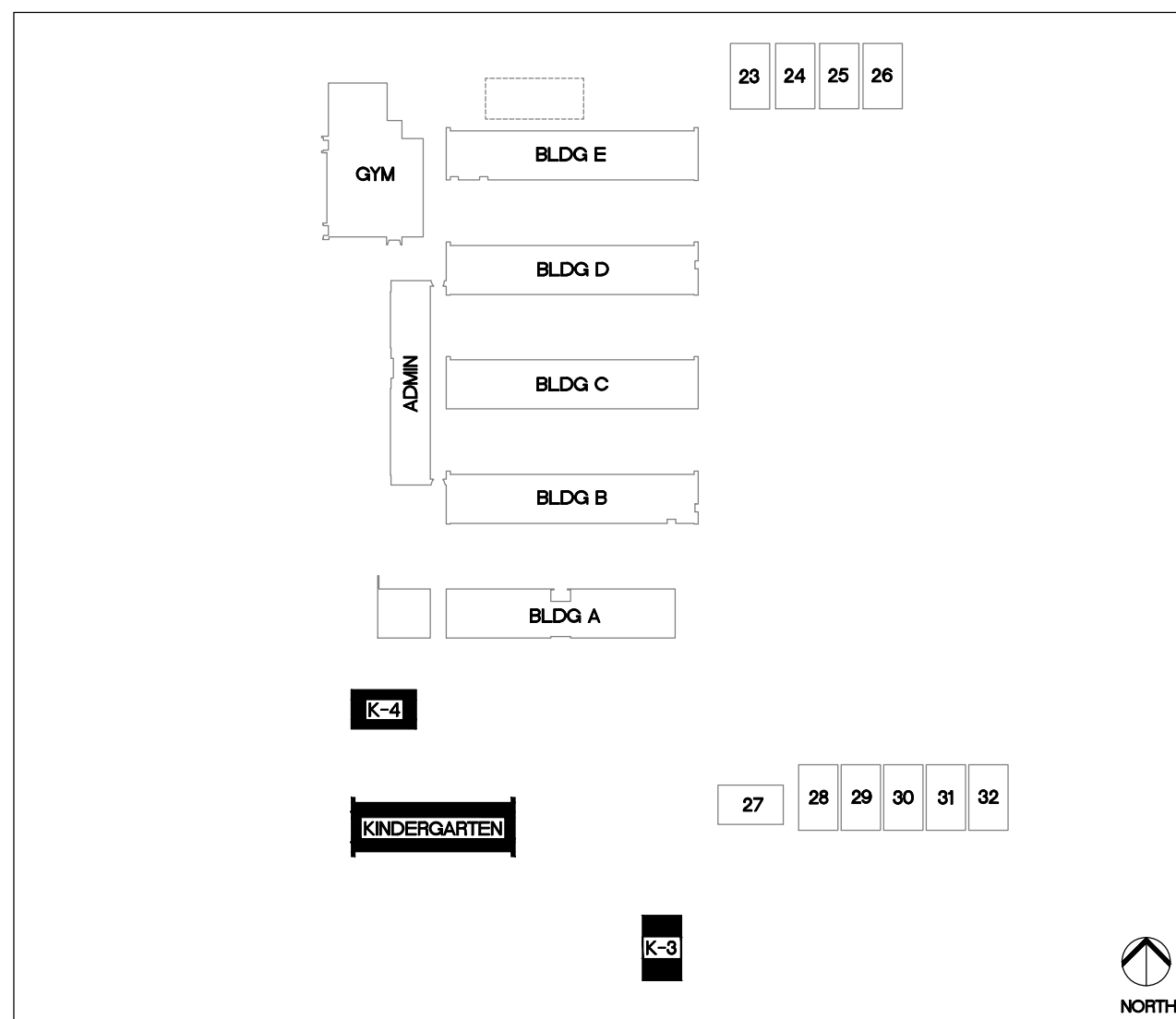


SIGNAL PLAN KEYNOTES

- CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. UTILIZE EXISTING PATHWAYS U.O.N. FOR INSTALLATION IN WALLS.
- CATEGORY 6 DATA OUTLET MOUNTED ABOVE LAY-IN CEILING DESIGNATED FOR WIRELESS NETWORK. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. SEE DETAIL F/ET-5.2.
- (1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. LOCATION TO BE AT CENTER OF TEACHING WALL AT +18" AFF. SEE DETAIL A/ET-5.5.
- (1) PORT CATEGORY 6 DATA OUTLET AT CEILING MOUNTED PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- SEE DETAIL A/B/ET-5.3 FOR LABELING REQUIREMENTS.
- AV1 INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-GANG EMB SERIES WALL BOX FOR AV1 INTERFACE. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- AUDIO/VISUAL FLYING LEADS AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & B/ET-5.5 FOR DETAILS.
- AUDIO VOLUME CONTROL OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +48" AFF. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- EXISTING PHONE (BOSEN HANDSET), TO REMAIN.
- DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER.
- SEE DETAIL D/ET-5.3 FOR LABELING REQUIREMENTS.

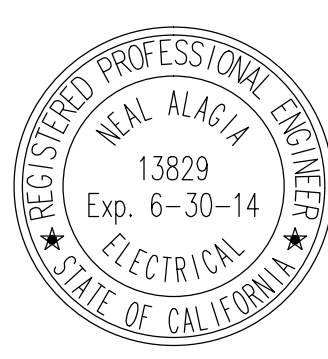
GENERAL NOTES (SIGNAL)

- SEE DATA RISER DIAGRAM ON ET-1.2 & ET-1.3 FOR CABLING DETAILS.
- SUPPORT CATEGORY 6 & AUDIO/VISUAL CABLING WITH 'J-HOOK' SUPPORTS EVERY 4' WHERE CABLES ARE NOT SUPPORTED, ROUTED THROUGH CONDUIT OR CABLE TRAY. MAINTAIN 12" CLEARANCE FROM ELECTRICAL & LIGHTING. SEE DETAIL D/ET-5.2.



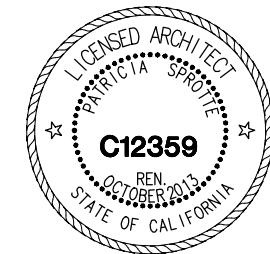
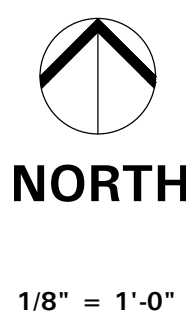
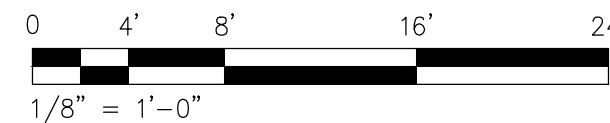
KEYPLAN

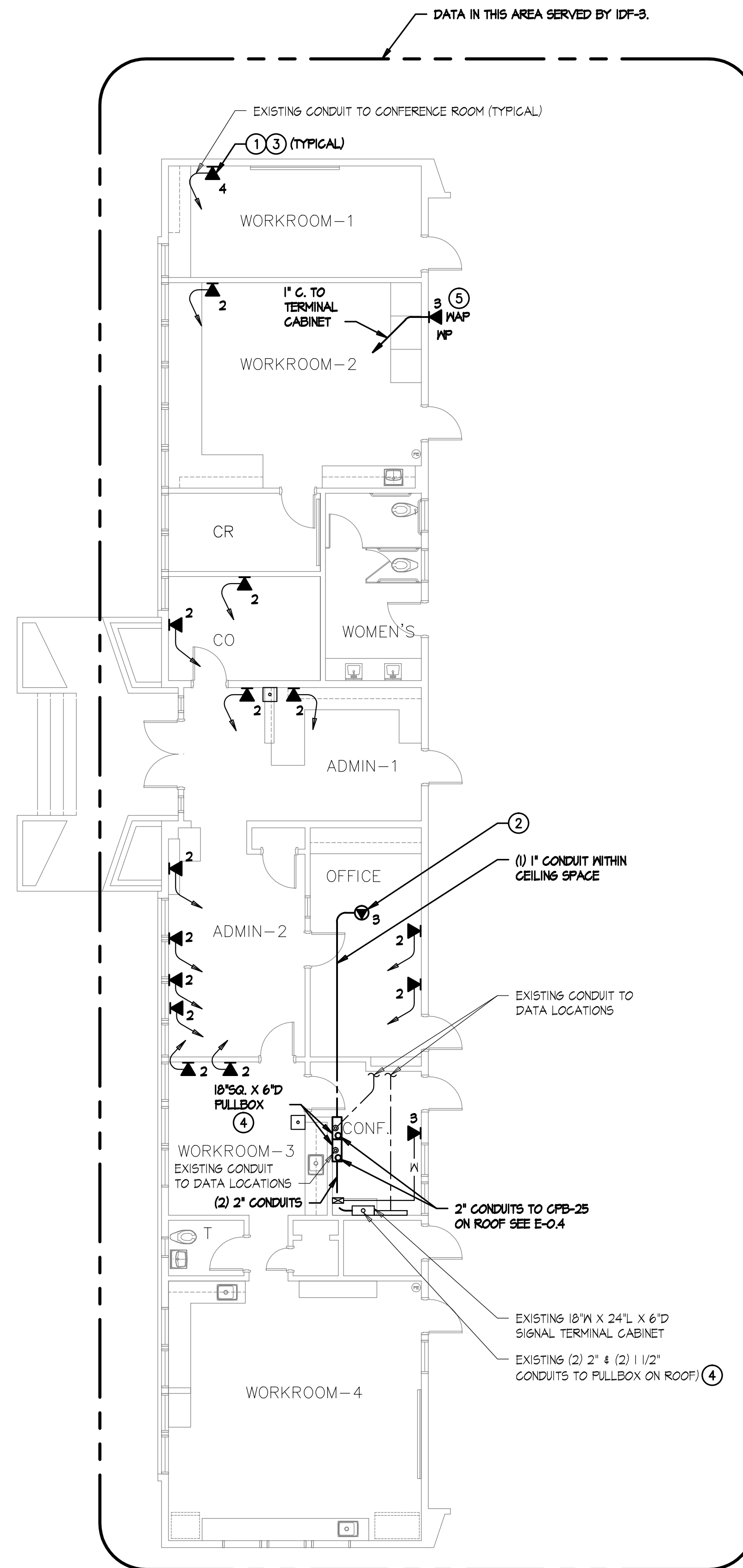
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Regis. No. 081432

KINDERGARTEN, K-3, K-4 - SIGNAL PLANS



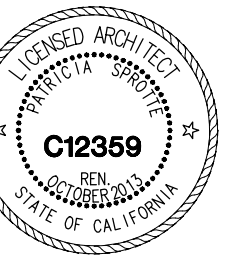


- ### SIGNAL PLAN KEYNOTES

- ① CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. UTILIZE EXISTING PATHWAYS U.O.N. FOR INSTALLATION IN WALLS.
- ② CATEGORY 6 DATA OUTLET MOUNTED ABOVE LAY-IN CEILING DESIGNATED FOR WIRELESS NETWORK. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. SEE DETAIL F/ET-5.2.
- ③ SEE DETAIL A/ET-5.3 AND B/ET-5.3 FOR LABELING REQUIREMENTS.
- ④ SEE DETAIL D/ET-5.3 FOR LABELING REQUIREMENTS.
- ⑤ DATA OUTLET MOUNTING HEIGHT/PROF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER.

1. SEE DATA RISER DIAGRAM ON ET-1.2 FOR CABLING DETAILS.

2. SUPPORT CATEGORY 6 & AUDIO/VISUAL CABLING WITH 'J-HOOK' SUPPORTS EVERY 4' WHERE CABLES ARE NOT SUPPORTED, ROUTED THROUGH CONDUIT OR CABLE TRAY. MAINTAIN 12" CLEARANCE FROM ELECTRICAL & LIGHTING. SEE DETAIL D/ET-5.2.



IT UPGRADE YEAR TWO
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CAJON VALLEY UNION SCHOOL DISTRICT
651 S. THIRD ST
EL CAJON, CA 92019

CONSULTANT

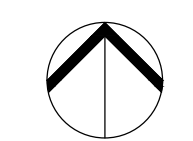
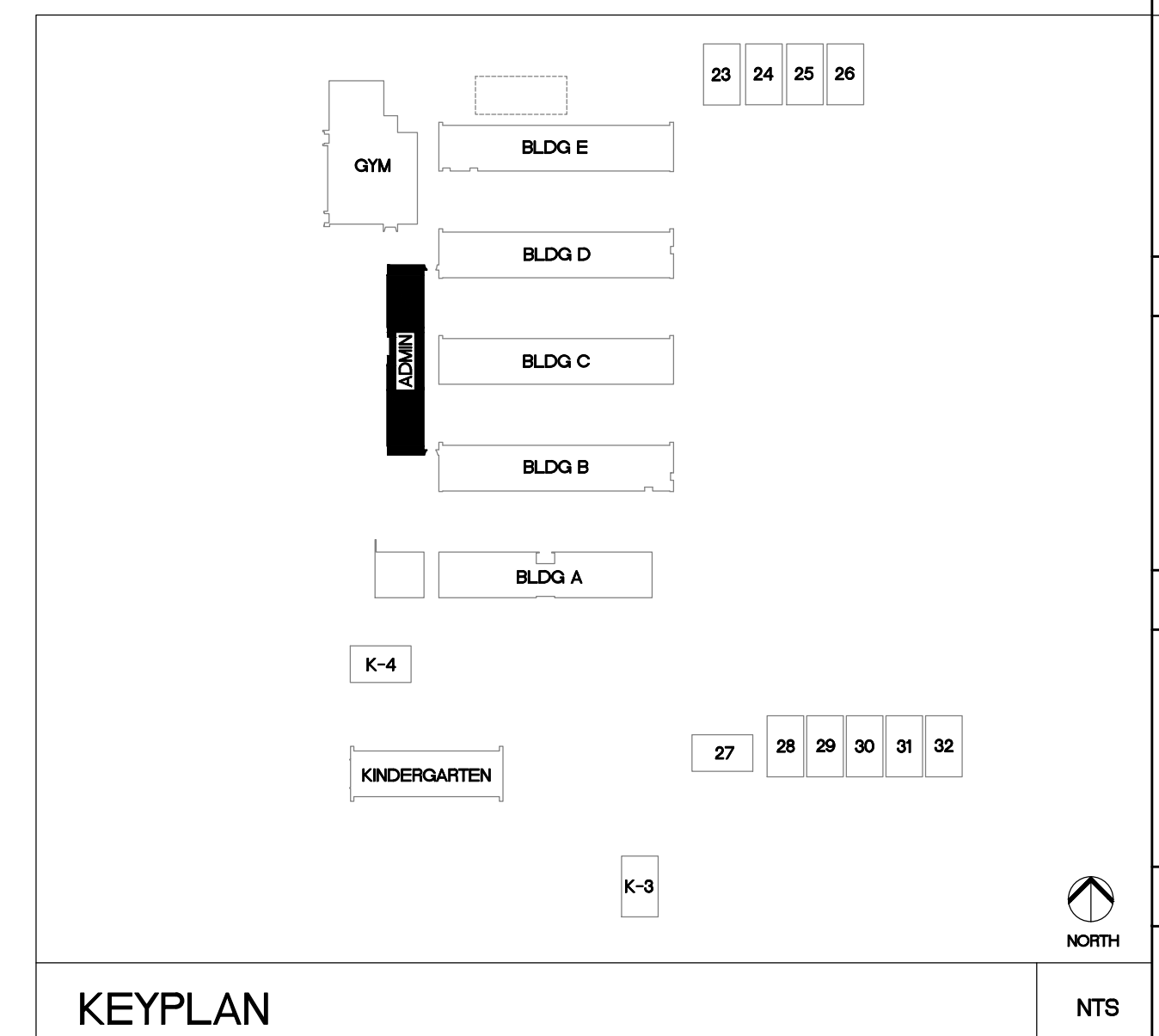
REVIEWS

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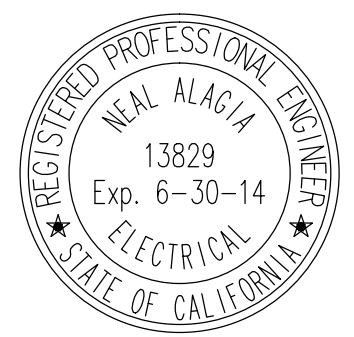


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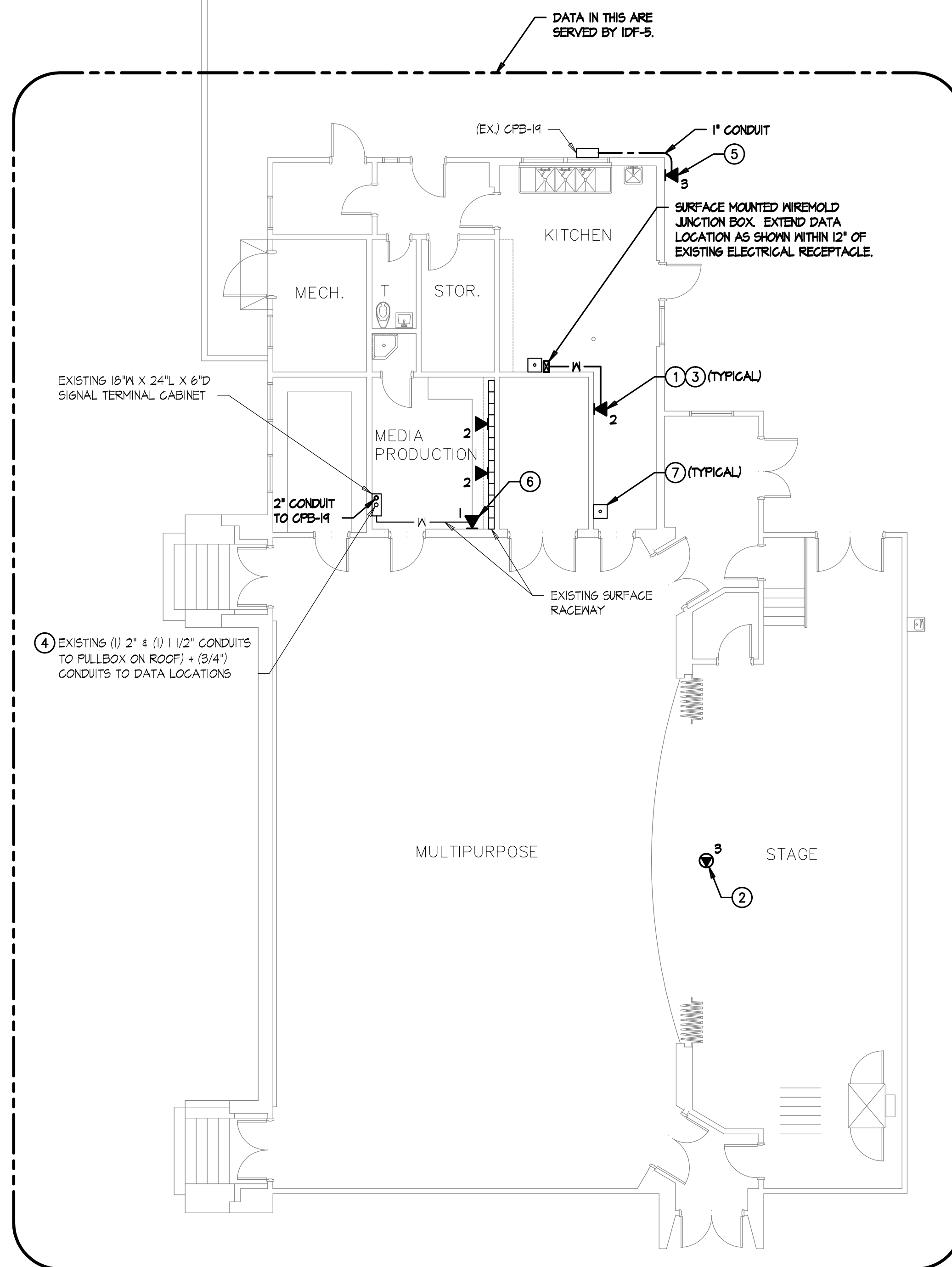
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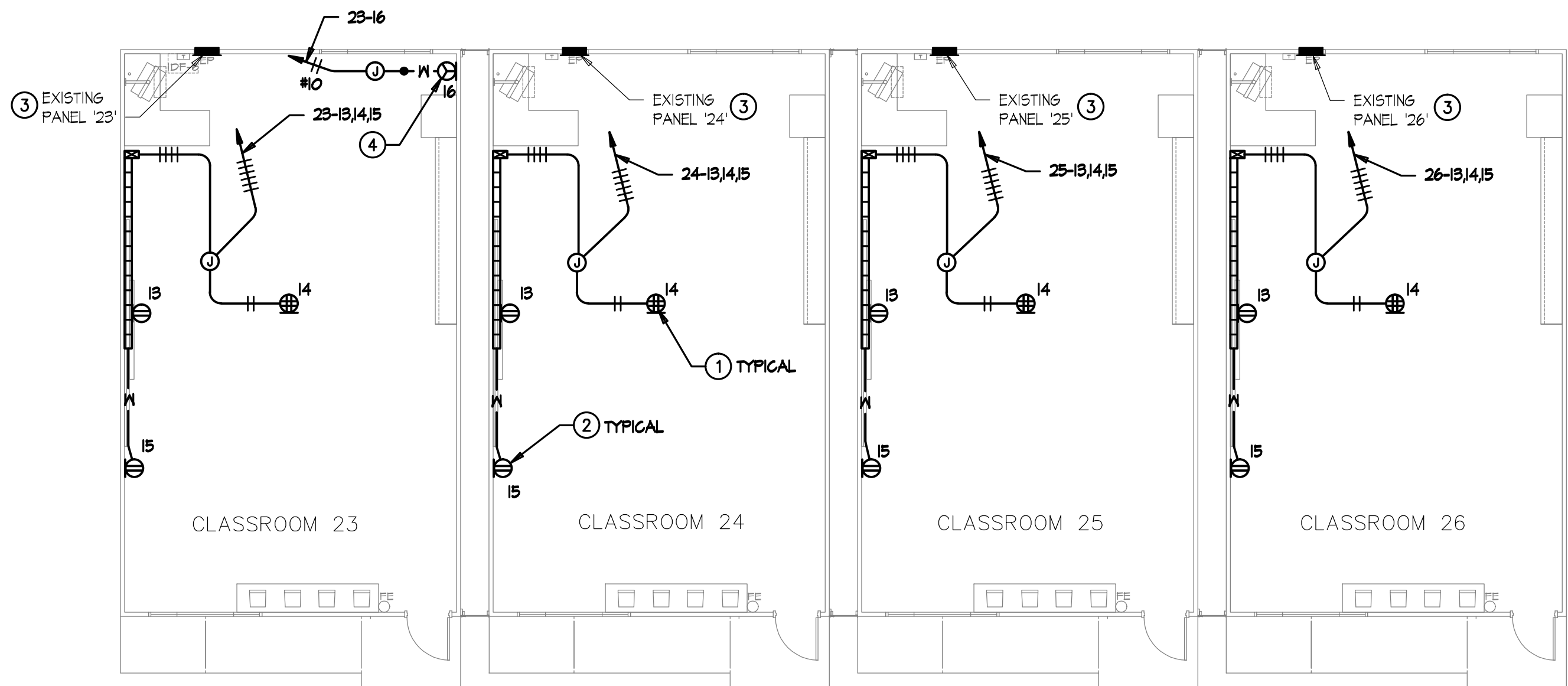


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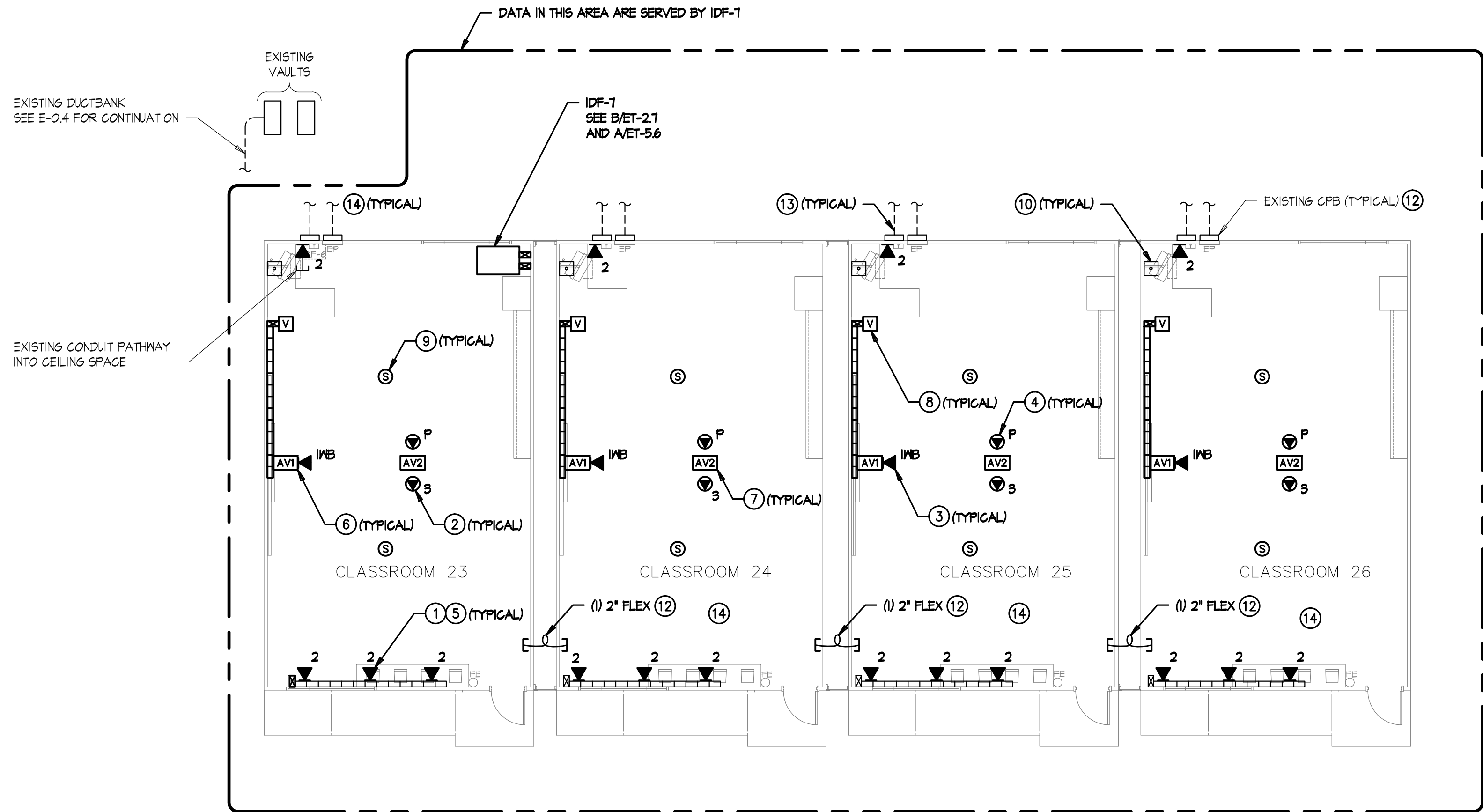


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Regis. No. 081432





PORTABLE 23-26 - POWER PLAN



1/8" = 1'-0"

POWER PLAN KEYNOTES

- 1 MOUNT DOUBLE DUPLEX RECEPTACLE IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
- 2 PROVIDE RECEPTACLE MOUNTED AT +18" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT. USE WIREMOLD WITH ASSOCIATED CONDUIT TRANSITION FITTINGS. PROVIDE FURRING AS REQUIRED.
- 3 SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- 4 PROVIDE RECEPTACLE MOUNTED AT +18" AFF FOR FLOOR MOUNTED IDF CONSOLE. PROVIDE DEDICATED BRANCH CIRCUIT UNLESS OTHERWISE NOTED. USE WIREMOLD 2500 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS. PROVIDE FURRING AS REQUIRED.

SIGNAL PLAN KEYNOTES

- 1 CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. UTILIZE EXISTING PATHWAYS U.O.N. FOR INSTALLATION IN WALLS.
- 2 CATEGORY 6 DATA OUTLET MOUNTED ABOVE LAY-IN CEILING DESIGNATED FOR WIRELESS NETWORK. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. SEE DETAIL F/ET-5.2.
- 3 (1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. LOCATION TO BE AT CENTER OF TEACHING WALL AT +18" AFF. SEE DETAIL A/ET-5.5.
- 4 (1) PORT CATEGORY 6 DATA OUTLET AT CEILING MOUNTED PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- 5 SEE DETAIL A/B/ET-5.3 FOR LABELING REQUIREMENTS.
- 6 AV1 INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-GANG EMB SERIES WALL BOX FOR AV1 INTERFACE. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 7 AUDIO/VISUAL FLYING LEADS AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & B/ET-5.5 FOR DETAILS.
- 8 AV3 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +18" AFF. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 9 AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- 10 EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- 11 MOUNT PULLBOX ABOVE CEILING TILES IN ACCESSIBLE CEILING SPACE.
- 12 MINIMUM HEIGHT ABOVE GRADE 10'. SEE DETAIL D/ET-12.1. USE SEALTITE TYPE UA-GSA LIQUID TIGHT CONDUIT. USE APPROVED LIQUID TIGHT CONNECTORS.
- 13 RE-USE EXISTING 2" CONDUITS TO EXISTING VAULTS.
- 14 SEE DETAIL A/ET-5.2 FOR TYPICAL OSP CABLE PATHWAY CONNECTIONS.

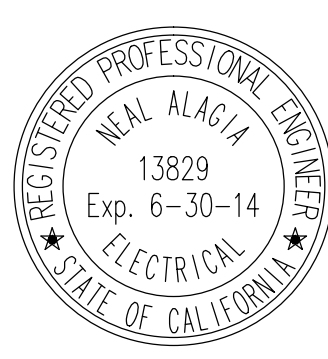
GENERAL NOTES (SIGNAL)

1. SEE DATA RISER DIAGRAM ON ET-1.4 FOR CABLING DETAILS.
2. SUPPORT CATEGORY 6 & AUDIO/VISUAL CABLING WITH 'U-HOOK' SUPPORTS EVERY 4' WHERE CABLES ARE NOT SUPPORTED, ROUTED THROUGH CONDUIT OR CABLE TRAY. MAINTAIN 12" CLEARANCE FROM ELECTRICAL & LIGHTING. SEE DETAIL D/ET-5.2.

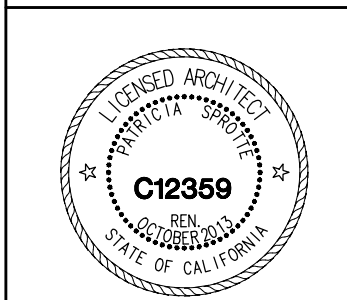
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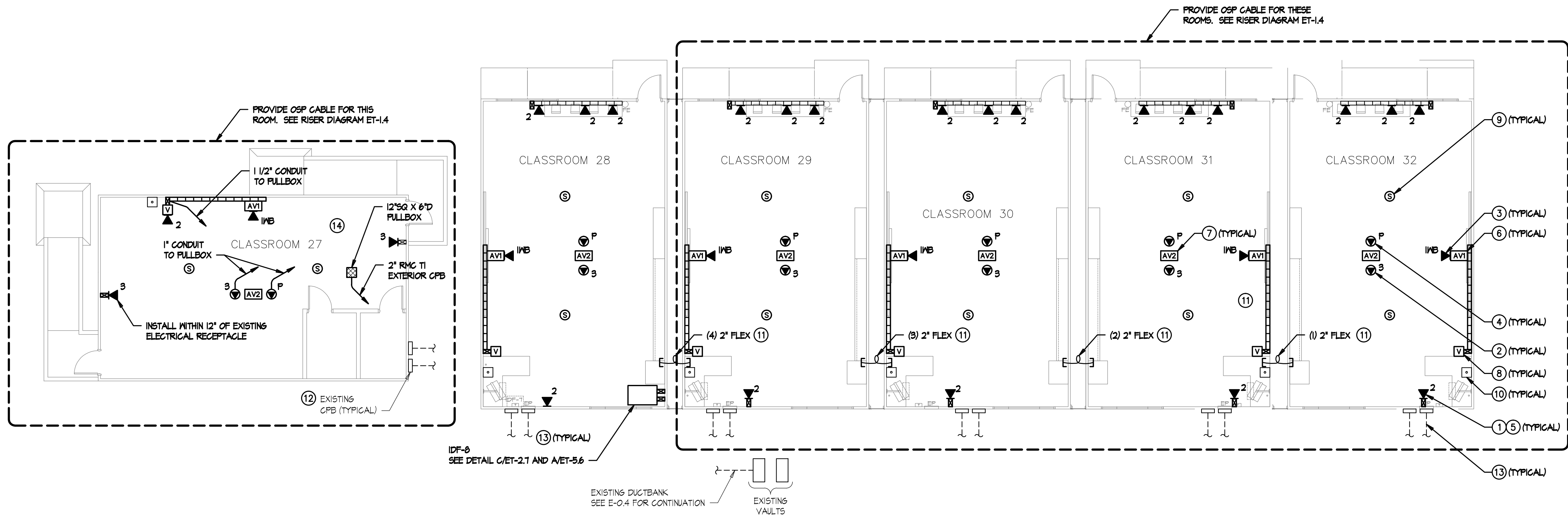
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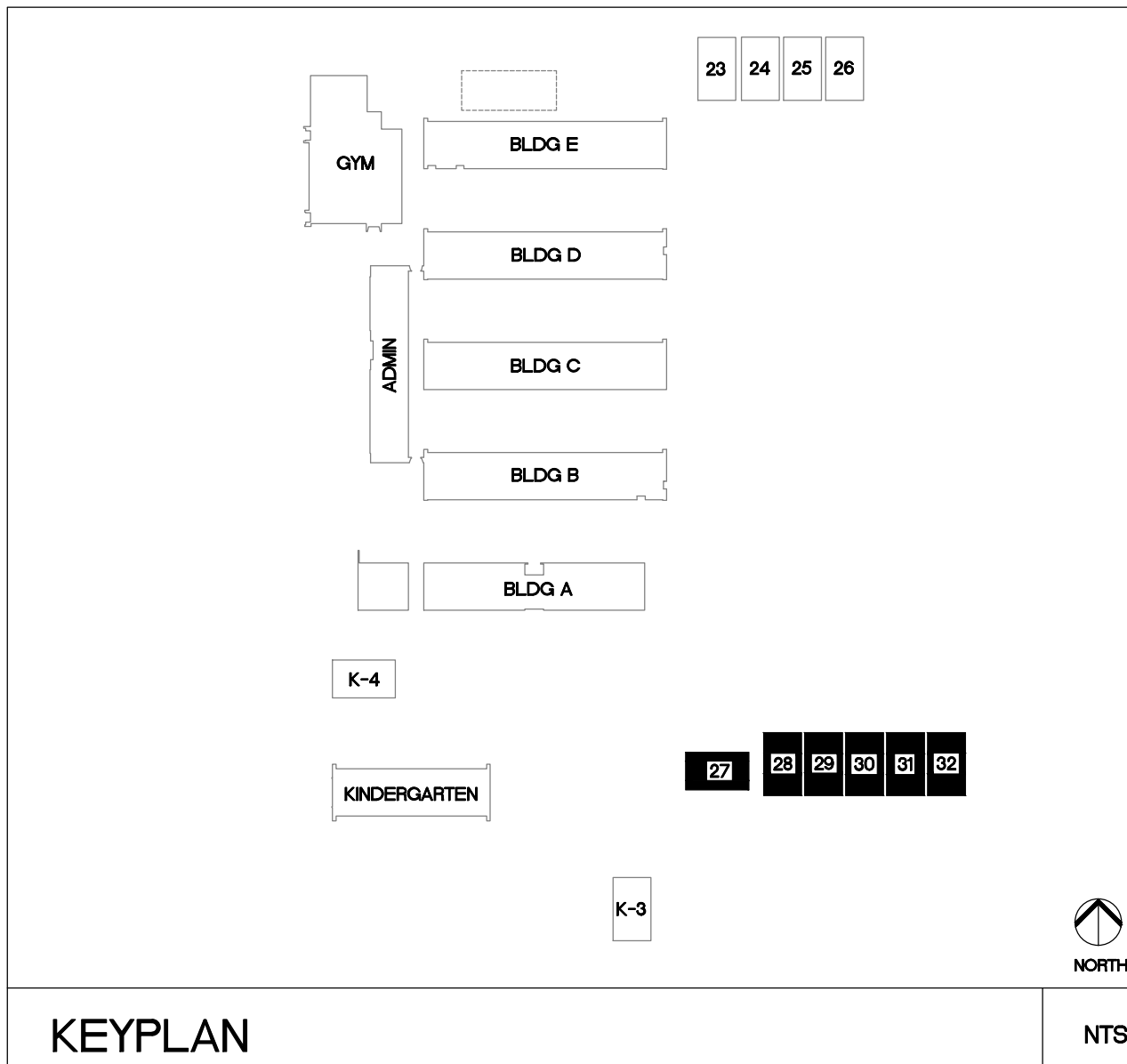


SIGNAL PLAN KEYNOTES

- CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. UTILIZE EXISTING PATHWAYS U.O.N. FOR INSTALLATION IN WALLS.
- CATEGORY 6 DATA OUTLET MOUNTED ABOVE LAY-IN CEILING DESIGNATED FOR WIRELESS NETWORK. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. SEE DETAIL F/ET-5.2.
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- SEE DETAIL A/B/ET-5.3 FOR LABELING REQUIREMENTS.
- AV1 INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-GANG EMB SERIES WALL BOX FOR AV1 INTERFACE. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- AUDIO/VISUAL FLYING LEADS AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & B/ET-5.5 FOR DETAILS.
- AV3 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +48" AFF. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- MINIMUM HEIGHT ABOVE GRADE 10'. SEE DETAIL D/ET-12.1. USE SEALTITE TYPE UA-CSA LIQUID TIGHT CONDUIT. USE APPROVED LIQUID TIGHT CONNECTORS.
- SEE D/ET-5.3 FOR LABELING REQUIREMENTS.
- RE-USE EXISTING 2" CONDUITS TO EXISTING VAULTS.
- SEE DETAIL A/ET-5.2 FOR TYPICAL OSP CABLE PATHWAY CONNECTIONS.
- MOUNT PULLBOX ABOVE CEILING TILES IN ACCESSIBLE CEILING SPACE.

GENERAL NOTES (SIGNAL)

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- SUPPORT CATEGORY 6 & AUDIO/VISUAL CABLING WITH 'J-HOOK' SUPPORTS EVERY 4' WHERE CABLES ARE NOT SUPPORTED, ROUTED THROUGH CONDUIT OR CABLE TRAY. MAINTAIN 12" CLEARANCE FROM ELECTRICAL & LIGHTING. SEE DETAIL D/ET-5.2.



KEYPLAN

NTS



NORTH

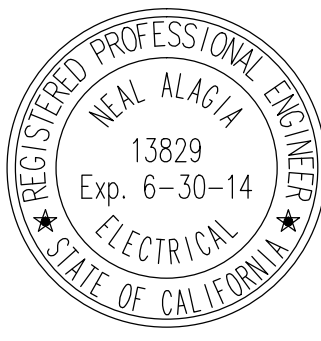
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PORTABLE 27-32 - SIGNAL PLAN