

- KEYNOTES**
- SEE DETAIL C/ET-5.3 FOR CABLE DISTRIBUTION.
 - SEE DETAIL D/ET-5.3 FOR LABELING REQUIREMENTS.
 - SEE DETAIL E/ET-5.3 FOR LABELING REQUIREMENTS.
 - SEE DETAIL F/ET-5.3 FOR LABELING REQUIREMENTS.
 - SEE BUILDING SIGNAL SHEET FOR ADDITIONAL DETAIL.
 - COORDINATE DISCONNECTION OF AT&T FIBER WITH AT&T. INTERCEPT EXISTING AT&T 2" CONDUIT WITH NEW 2" CONDUIT TO CPB-8.
 - SEE DETAIL E/E-14.1 FOR CONDUIT SUPPORT.
 - SEE DETAIL E/E-14.3 FOR ROOF PENETRATION.
 - INTERCEPT AND CONNECT NEW CONDUITS TO EXISTING DUCTBANK FEEDING PORTABLES 24-42.

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 EACH BUILDING AND REPLACE THE DATA OUTLETS AND CABLING WITH CATEGORY 6 JACKS AND CABLE. ALL EXISTING VOICE OUTLETS ARE TO REMAIN IN SERVICE.

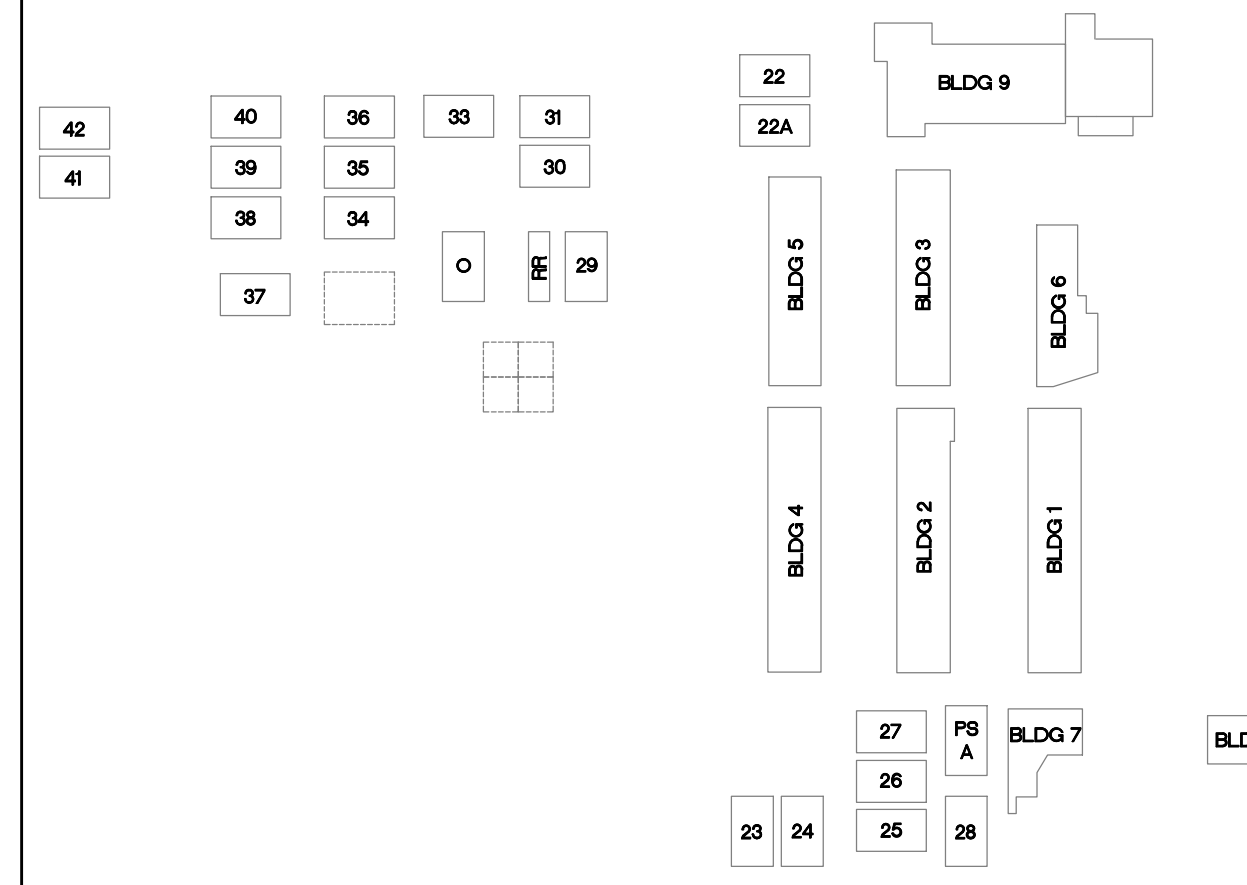
- GENERAL NOTES**
- ALL EXISTING SYSTEMS NOT UPGRADED UNDER THIS CONTRACT TO REMAIN OPERATIONAL DURING CONSTRUCTION.
 - REMOVE ALL DISCONNECTED CABLING BACK TO SOURCE. NO CABLES ARE TO BE ABANDONED IN PLACE.
 - SEE DEMOLITION RISER SHEETS ET-1.0 & ET-1.1
 - EXISTING CONDUITS NOT VERIFIED TO HAVE INNER DUCTS.

CONDUIT BREAKDOWN											
CONDUIT SEGMENT NAME	FIBER CONDUITS W/3 1/4" INNERDUCTS EA. *			COPPER				FIRE ALARM / GROUND		AT&T	
	F1	F2	F3	C1	C2	C3	C4	FA	G	AT&T	
C-1	-	-	-	2'	2'	2'	-	-	-	-	-
C-2	2'	2'	2'	3'	3'	3'	3'	-	-	2'	2'
C-3	-	-	-	2'	2'	2'	2'	-	-	-	-
C-4	2'	2'	2'	2'	2'	-	-	-	-	2'	2'
C-5	-	-	-	2'	2'	-	-	-	-	-	-
C-6	2'	2'	2'	-	-	-	-	-	-	2'	2'
C-7	2'	-	-	-	2'	2'	-	-	-	2'	2'
C-8	-	-	-	-	2'	2'	-	-	-	-	-
C-9	-	-	-	-	-	-	-	-	-	-	2'
C-10	2'	2'	2'	2'	2'	-	-	-	-	2'	-
C-11	-	-	-	2'	2'	2'	2'	-	-	-	-
C-12	2'	-	-	2'	2'	2'	2'	-	-	2'	-
C-13	2'	2'	-	-	-	-	-	-	-	2'	-
C-14	2'	-	-	2'	2'	2'	2'	-	-	2'	2'
C-15	2'	-	-	2'	2'	2'	2'	-	-	-	2'
C-16	-	-	-	2'	2'	2'	-	-	-	-	-
C-17	2'	-	-	-	-	-	-	-	-	-	2'
C-18	-	-	-	2'	2'	2'	2'	-	-	-	-
C-19	2'	-	-	-	-	-	-	-	-	-	2'
C-20	2'	-	-	-	-	-	-	-	-	-	2'
C-21	2'	-	-	-	-	-	-	-	-	-	2'
C-22	2'	-	-	-	-	-	-	-	-	-	2'
C-23	-	-	-	2'	2'	-	-	-	-	-	-
C-24	-	-	-	2'	-	-	-	-	-	-	-
C-25	-	-	-	2'	-	-	-	-	-	-	-

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

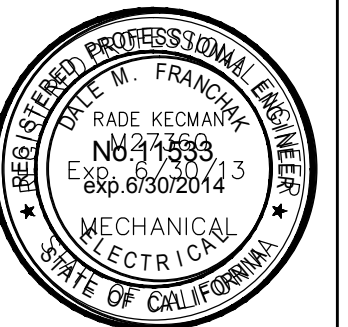
COMMUNICATIONS DUCT BANK SCHEDULE				
CONDUIT SEGMENT NAME	FROM	TO	TOTAL NUMBER OF CONDUITS	
			2"	3"
C-1	MDF	CPB-14	3	-
C-2	MDF	CPB-1	5	4
C-3	CPB-2	BLDG. 1	4	-
C-4	CPB-1	CPB-2	7	-
C-5	CPB-2	CPB-15	2	-
C-6	CPB-2	CPB-3	5	-
C-7	CPB-3	CPB-8	5	-
C-8	CPB-8	BLDG. 6	2	-
C-9	CPB-8	AT&T	1	-
C-10	CPB-3	CPB-4	6	-
C-11	CPB-4	BLDG. 2	4	-
C-12	CPB-4	IDF-1	6	-
C-13	CPB-4	CPB-5	3	-
C-14	CPB-5	IDF-2	6	-
C-15	CPB-5	CPB-6	5	-
C-16	CPB-6	BLDG. 5	3	-
C-17	CPB-6	(9)	2	-
C-18	IDF-2	BLDG. 4	4	-
C-19	CPB-6	CPB-7	2	-
C-20	CPB-7	CPB-13	2	-
C-21	CPB-8	CPB-4	2	-
C-22	CPB-4	IDF-3	2	-
C-23	IDF-3	CPB-10	2	-
C-24	CPB-10	CPB-11	1	-
C-25	CPB-10	CPB-12	1	-

COMMUNICATION PULLBOX SCHEDULE			
NAME	NAME	TYPE	DETAIL REFERENCE
CPB-1 (3)	10"SQ. X 12"D	NEMA_3R	A/E-14.3
CPB-2 (3)	24"SQ. X 12"D	NEMA_3R	A/E-14.3
CPB-3 (3)	24"SQ. X 12"D	NEMA_3R	A/E-14.3
CPB-4 (3)	10"SQ. X 12"D	NEMA_3R	A/E-14.3
CPB-5 (3)	24"SQ. X 12"D	NEMA_3R	A/E-14.3
CPB-6 (3)	24"SQ. X 12"D	NEMA_3R	A/E-14.3
CPB-7 (3)	24"SQ. X 12"D	NEMA_3R	A/E-14.3
CPB-8 (3)	10"SQ. X 12"D	NEMA_3R	A/E-14.3
CPB-9 (3)	10"SQ. X 12"D	NEMA_3R	A/E-14.3
CPB-10 (3)	10"SQ. X 12"D	NEMA_3R	B/E-14.1
CPB-11 (3)	10"SQ. X 8"D	NEMA_3R	B/E-14.1
CPB-12 (3)	10"SQ. X 8"D	NEMA_3R	B/E-14.1
CPB-13 (3)	EXISTING		
CPB-14 (3)	EXISTING		
CPB-15 (3)	EXISTING		



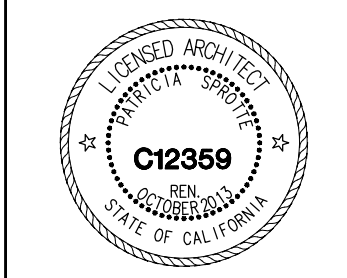
KEYPLAN

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EXPIRES 12/31/13
Regis. No. 081432

SIGNAL SITE PLAN



IT UPGRADE YEAR TWO
CHASE ELEMENTARY SCHOOL
CAJON VALLEY UNION SCHOOL DISTRICT
750 E MAIN ST
EL CAJON, CA 92020

CONSULTANT

APPROVALS

DESCRIPTION

SIGNAL SITE PLAN

DATE

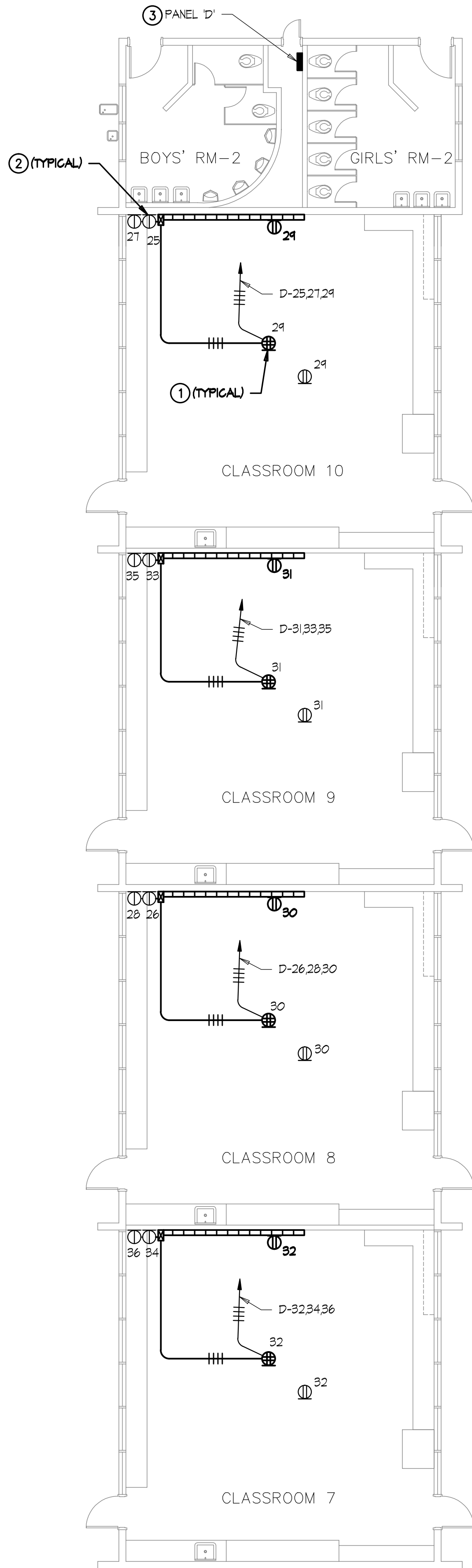
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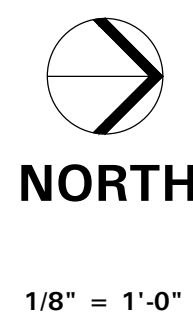
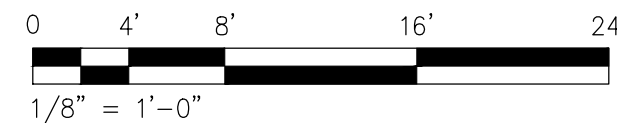
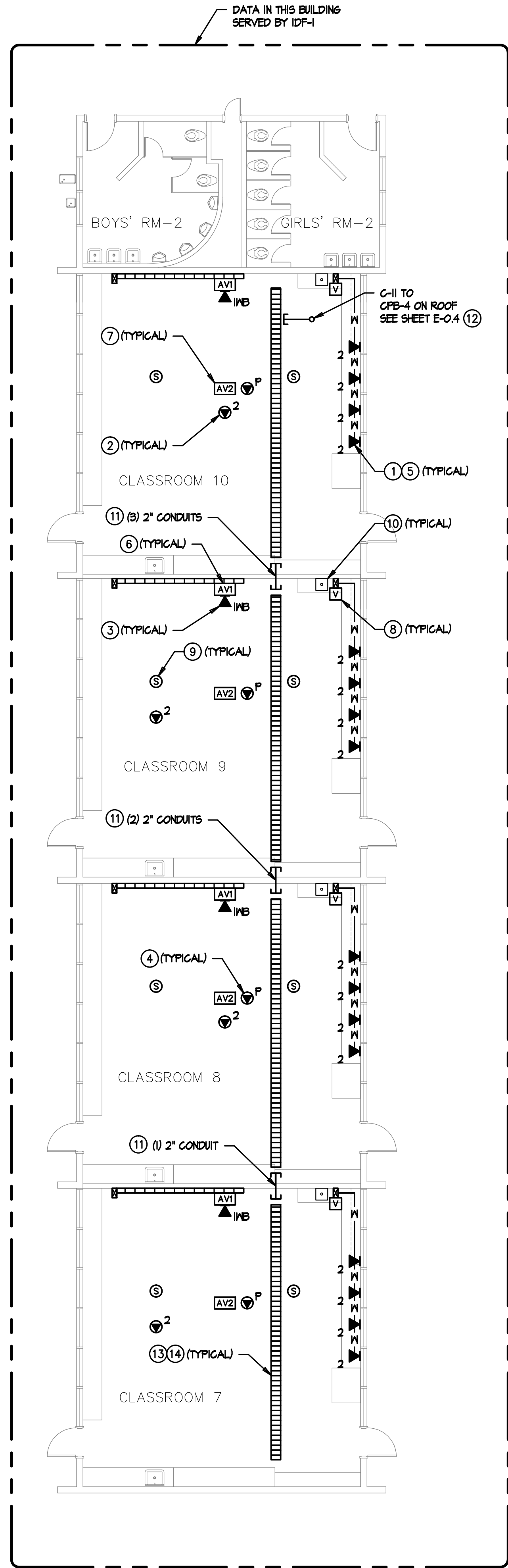
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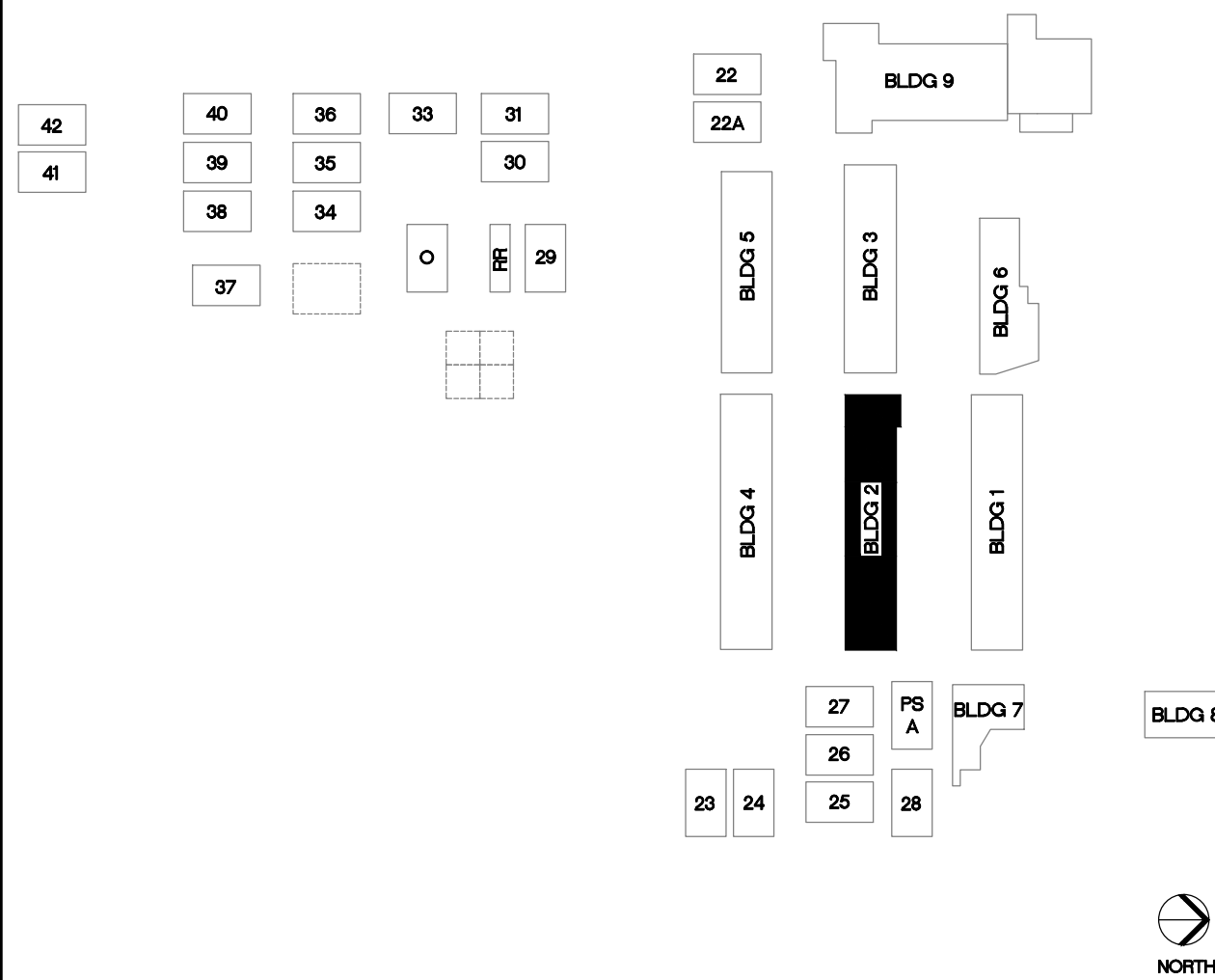
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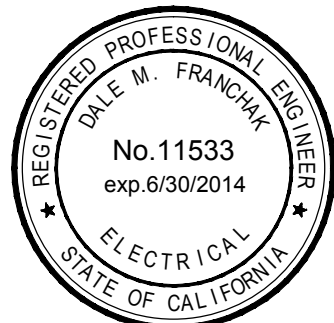
BUILDING 2 - POWER PLAN



KEYPLAN



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V.PHATHANAK 11/16/12 - B:59AM



- POWER PLAN KEYNOTES**
- REPLACE CEILING MOUNTED DUPLEX RECEPTACLE WITH DOUBLE DUPLEX RECEPTACLE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY. MATCH EXISTING COLOR.
 - PROVIDE WIREMOLD 2300 TRANSITION FITTINGS TO FEED CHARGING CART RECEPTACLES. RELOCATE/ADJUST LOCATION OF SURFACE MOUNTED SINGLE RECEPTACLES FOR CHARGING CART AS NECESSARY TO ACCOMMODATE NEW WIREMOLD INSTALLATION. PATCH/REPAIR AND PAINT SURFACE BEINT SURFACE BENEATH RACEWAY TO MATCH EXISTING CONDITIONS.
 - SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- 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 B/ET-5.5.
 - PROVIDE NEW FACEPLATES, DEVICE BRACKETS (SURFACE RACEWAY) AND OR DEVICE BOXES. SEE DETAIL A/B/ET-5.5 FOR FACEPLATE & 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 +18" 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.
 - SEE DETAIL C/E-14.1
 - SEE DETAIL F/E-14.1
 - 12" WIDE X 4"D BASKET TYPE CABLE TRAY MOUNTED ABOVE CEILING GRID. SEE DETAIL A/ET-5.2 FOR INSTALLATION.
 - PROVIDE CONTINUOUS #6 GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO T6B IN IDF ROOM.
- GENERAL NOTES**
- SEE DATA RISER DIAGRAM ON ET-1.3 FOR CABLING DETAILS.
 - 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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EL CAJON, CA 92020

CONSULTANT

APPROVALS

DESCRIPTION

**BUILDING 2
POWER AND
SIGNAL PLANS**

DATE

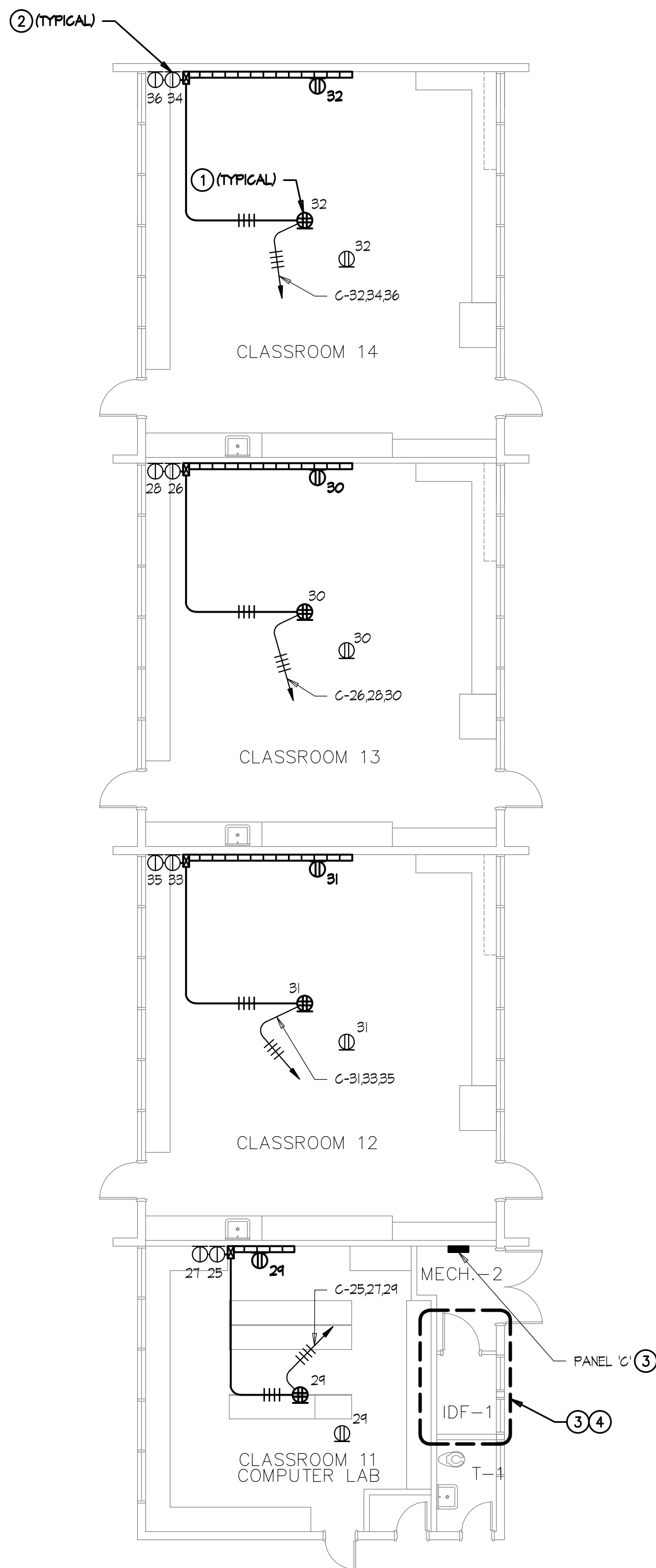
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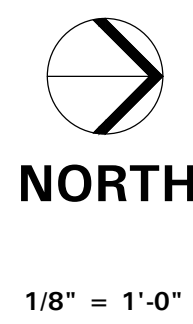
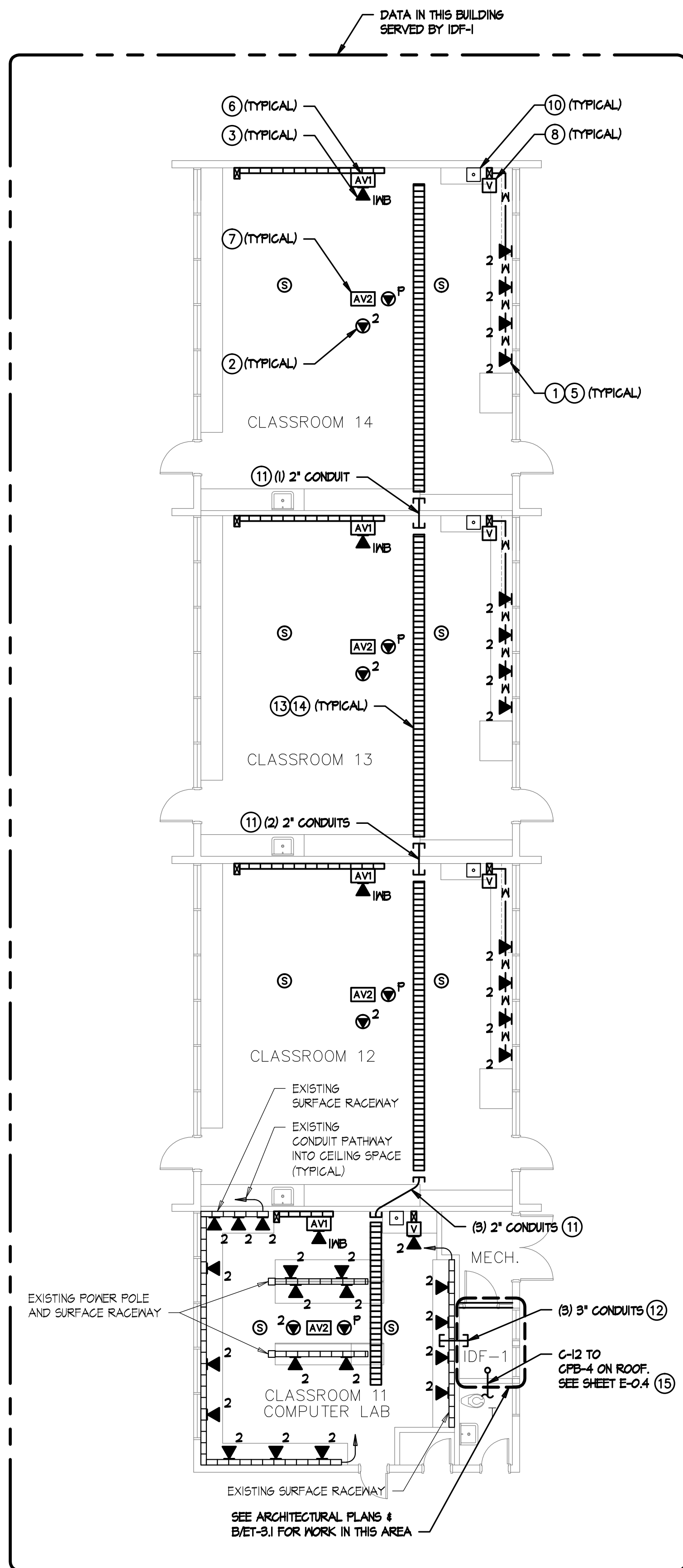
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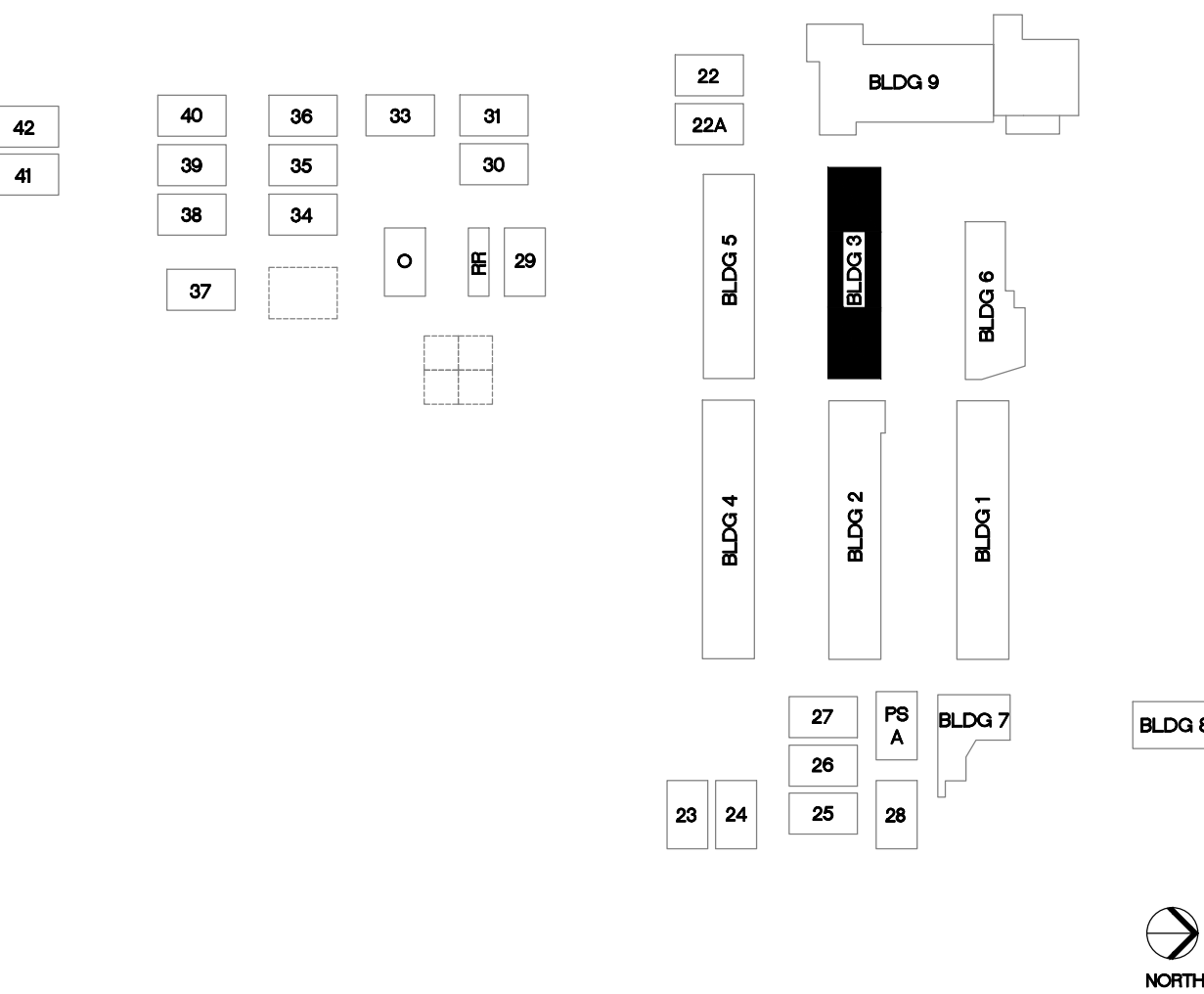
E-21



BUILDING 3 - POWER PLAN



KEYPLAN



GENERAL NOTES

- SEE DATA RISER DIAGRAM ON 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.

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 B/ET-5.5.
- PROVIDE NEW FACEPLATES, DEVICE BRACKETS (SURFACE RACEWAY) AND OR DEVICE BOXES. SEE DETAIL A/B/ET-5.3 FOR FACEPLATE & LABELING REQUIREMENTS.
- AV1 INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-6ANG 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 +45" 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.
- SEE DETAIL G/E-14.1
- SEE DETAIL F/E-14.1
- 12" WIDE X 4"D BASKET TYPE CABLE TRAY MOUNTED ABOVE CEILING GRID. SEE DETAIL A/ET-5.2 FOR INSTALLATION.
- PROVIDE CONTINUOUS #6 GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO T6B IN IDF ROOM.
- SEE DETAIL B/ET-14.3

POWER PLAN KEYNOTES

- REPLACE CEILING MOUNTED DUPLEX RECEPTACLE WITH DOUBLE DUPLEX RECEPTACLE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY. MATCH EXISTING COLOR.
- PROVIDE WIREMOLD 23000 TRANSITION FITTINGS TO FEED CHARGING CART RECEPTACLES. RELOCATE/ADJUST LOCATION OF SURFACE MOUNTED SINGLE RECEPTACLES FOR CHARGING CART AS NECESSARY TO ACCOMMODATE NEW WIREMOLD INSTALLATION. SEE A/ET-5.5. PATCH/REPAIR AND PAINT SURFACE BENEATH RACEWAY TO MATCH EXISTING CONDITIONS.
- SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- PROVIDE POWER OUTLETS FOR IDF. SEE E-12.1 FOR POWER AND LIGHTING WORK IN THIS AREA.
- PROVIDE FIRE ALARM DEVICES FOR IDF ROOM. SEE EF-12.1 FOR FIRE ALARM WORK IN THIS AREA.

APPROVALS

DESCRIPTION

BUILDING 3
POWER AND
SIGNAL PLANS

DATE

11/16/12

JOB #

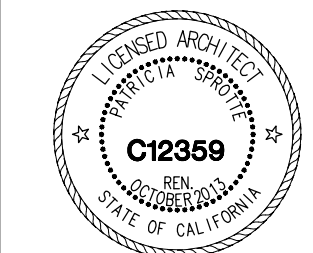
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SHEET #

E-3.1

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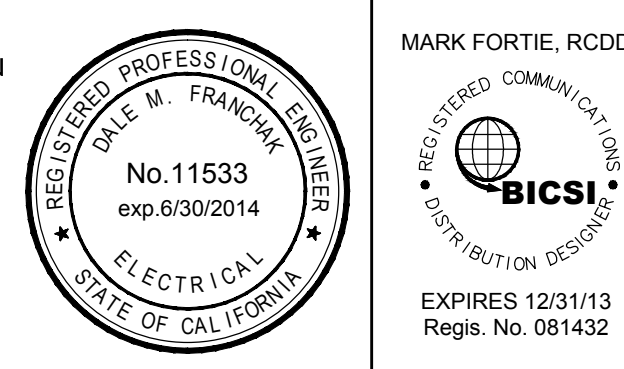
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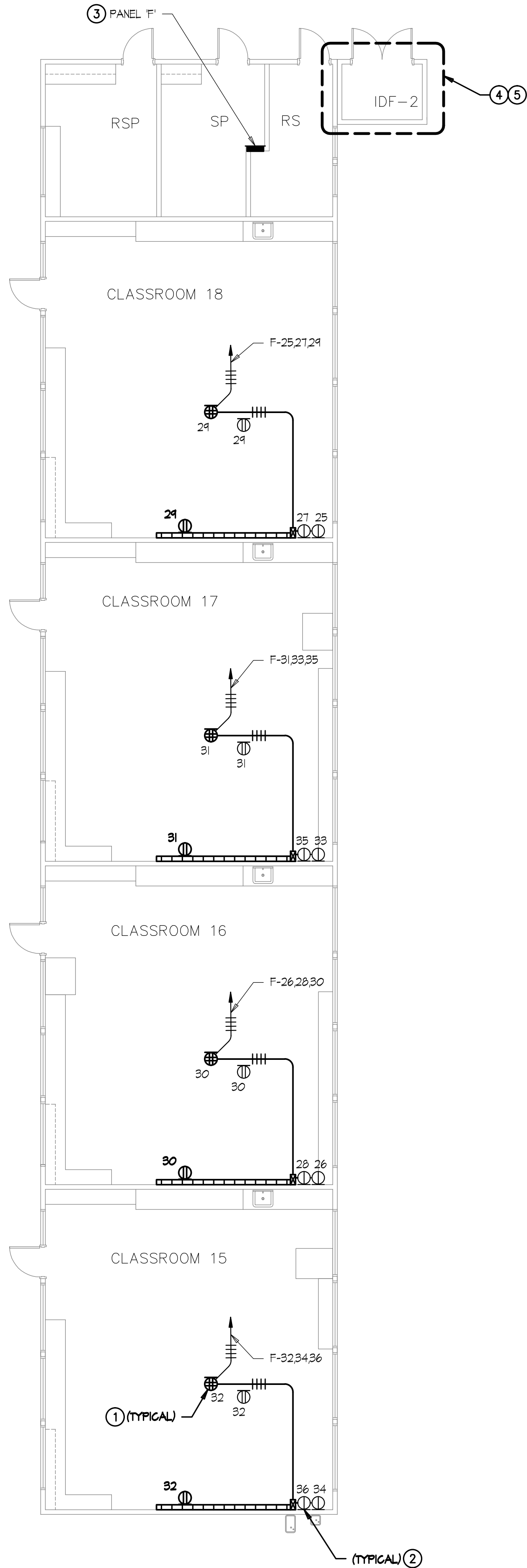
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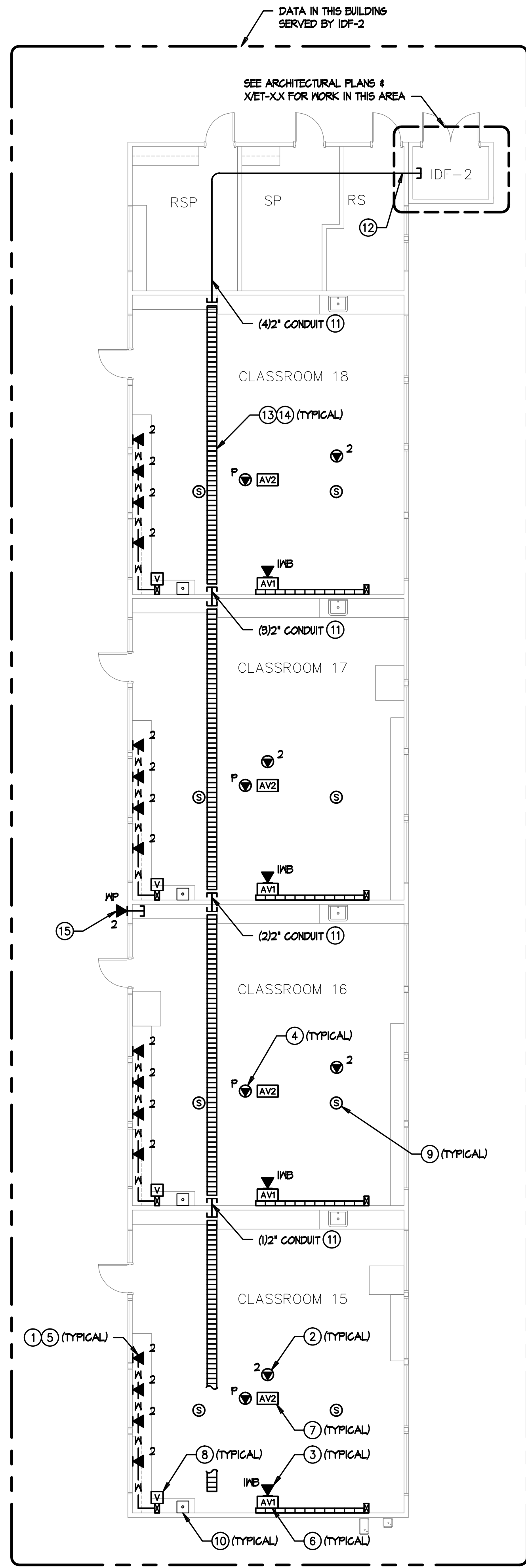
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EXPIRES 12/31/13
Regis. No. 081432



BUILDING 4 - POWER PLAN



BUILDING 4 - SIGNAL PLAN

POWER PLAN KEYNOTES

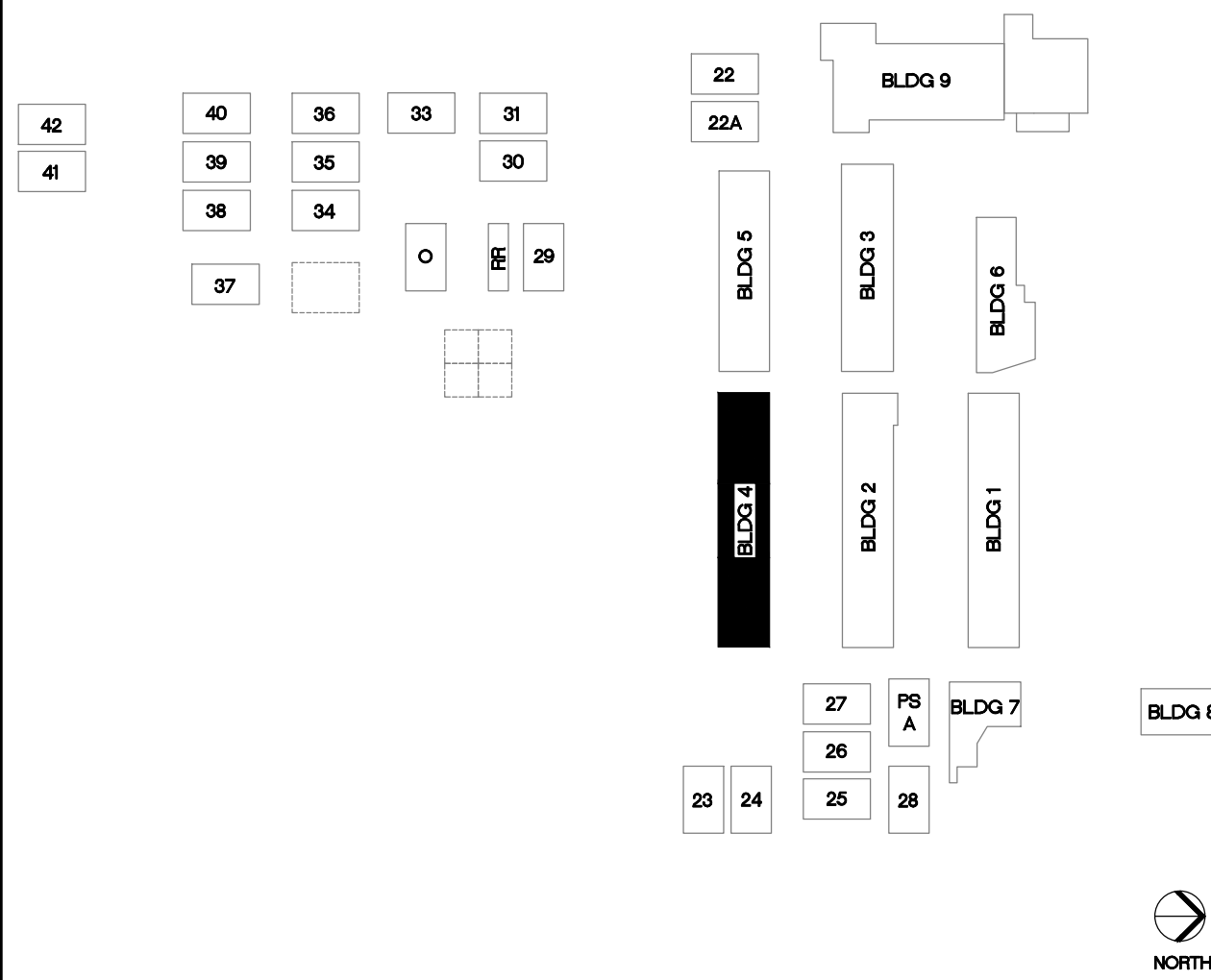
- REPLACE CEILING MOUNTED DUPLEX RECEPTACLE WITH DOUBLE DUPLEX RECEPTACLE FOR CEILING MOUNTED PROJECTOR AND A/V POWER SUPPLY. MATCH EXISTING COLOR.
- PROVIDE WIREMOLD 2800 TRANSITION FITTINGS TO FEED CHARGING CART RECEPTACLES. RELOCATE/ADJUST LOCATION OF SURFACE MOUNTED SINGLE RECEPTACLES FOR CHARGING CART AS NECESSARY TO ACCOMMODATE NEW WIREMOLD INSTALLATION. SEE A/ET-5.5. PATCH/REPAIR AND PAINT SURFACE BENEATH RACEWAY TO MATCH EXISTING CONDITIONS.
- SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- PROVIDE POWER OUTLETS FOR IDF. SEE E-12.1 FOR POWER AND LIGHTING WORK IN THIS AREA.
- PROVIDE FIRE ALARM DEVICES FOR IDF ROOM. SEE EF-12.1 FOR FIRE ALARM WORK IN THIS AREA.
- ADD DUPLEX RECEPTACLE AT PROJECTOR MOUNTING PLATE FOR PROJECTOR AND A/V POWER SUPPLY. PROVIDE WHITE RECEPTACLE AND WHITE FACEPLATE.
- EXTEND EXISTING BRANCH CIRCUIT TO DOUBLE DUPLEX RECEPTACLE FOR WALL MOUNTED PROJECTOR AND A/V POWER SUPPLY.
- MOUNT DOUBLE DUPLEX RECEPTACLE IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND A/V POWER SUPPLY. CONTRACTOR TO LOCATE OUTLET IN SAME CEILING TILE AS CEILING MOUNTED PROJECTOR MOUNTING PLATE. SEE DETAIL B/ET-5.5.

SIGNAL PLAN KEYNOTES

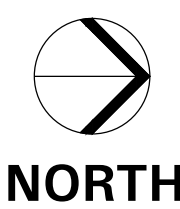
- CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. UTILIZE EXISTING PATHWAYS U.O.N. FOR INSTALLATION IN WALLS.
- CATEGORY 6 DATA OUTLET MOUNTED ABOVE LAY-IN CEILING DESIGNATED FOR WIRELESS NETWORK. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. SEE DETAIL F/ET-5.2.
- (1) PORT 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 48\"/>

GENERAL NOTES

- SEE DATA RISER DIAGRAM ON ET-1.4 FOR CABLING DETAILS.
- SUPPORT CATEGORY 6 & AUDIO/VISUAL CABLING WITH 'U-HOOK' SUPPORTS EVERY 4\"/>



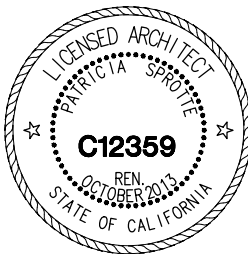
KEYPLAN



1/8" = 1'-0"

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CONSULTANT

APPROVALS

DESCRIPTION

BUILDING 4
POWER AND
SIGNAL PLANS

DATE

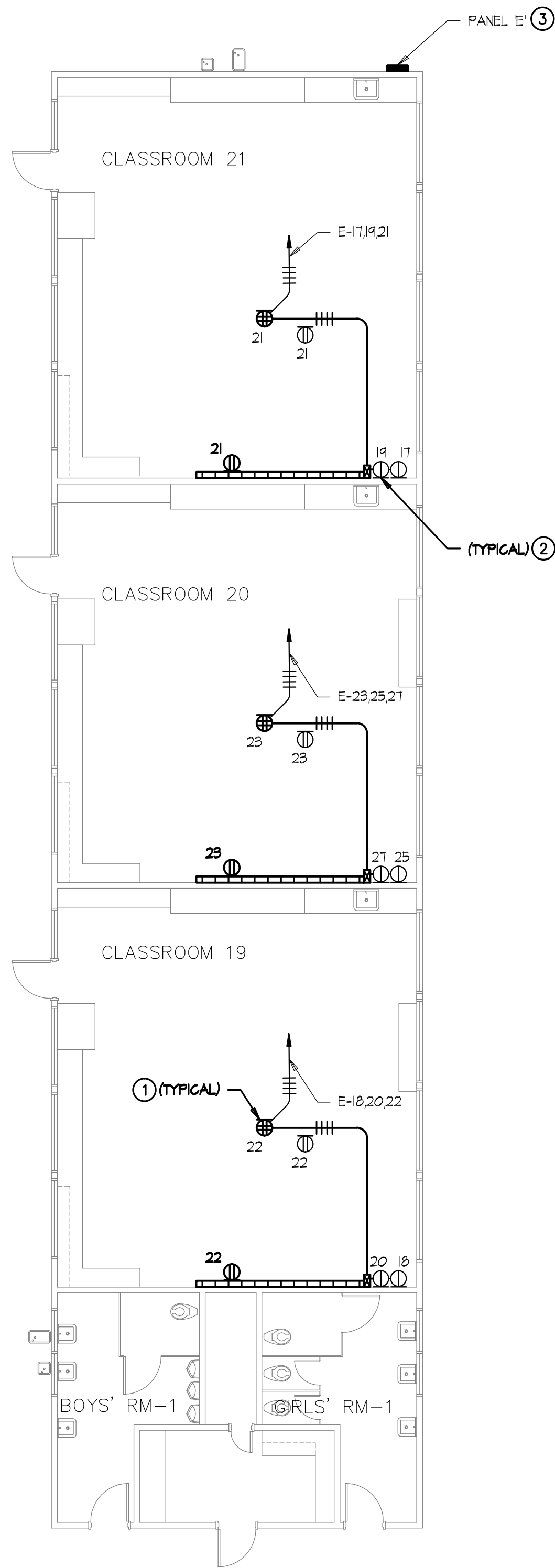
11/16/12

JOB #

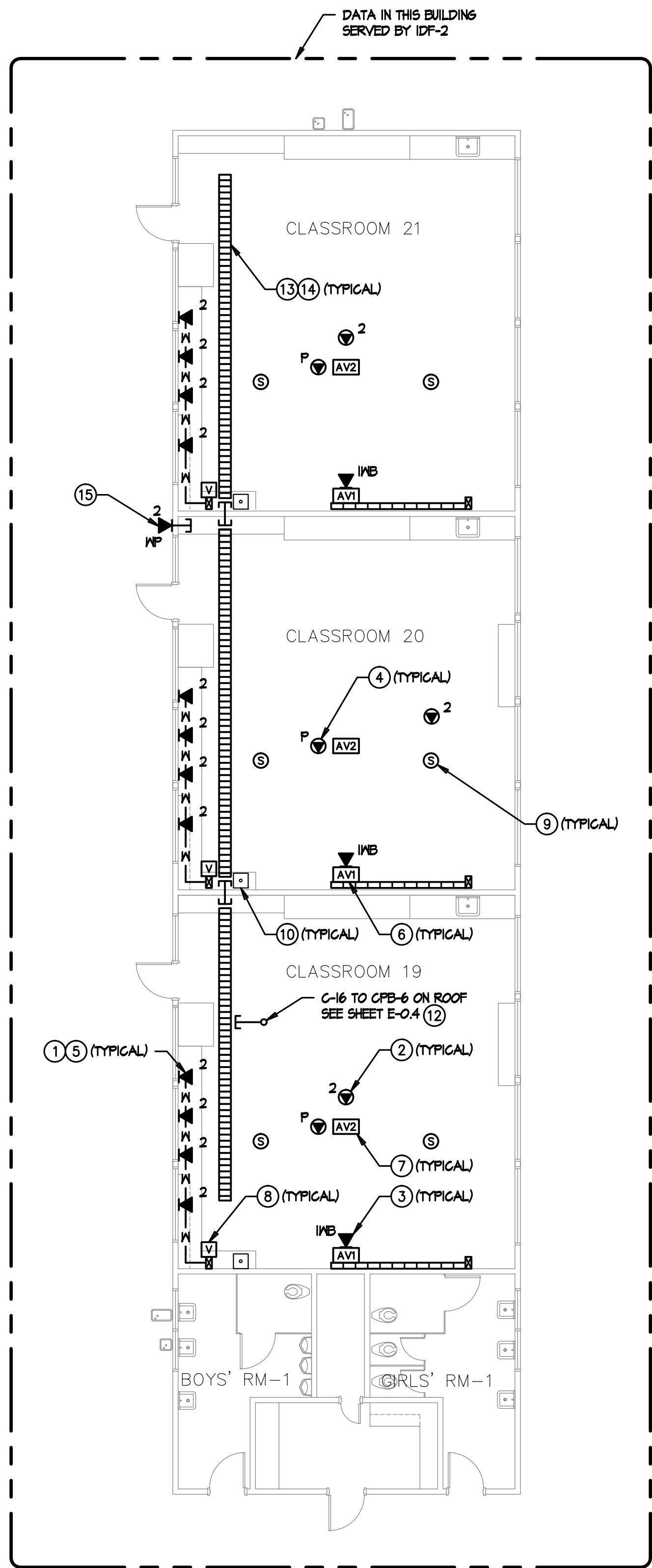
12176

SHEET #

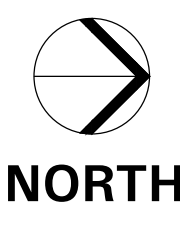
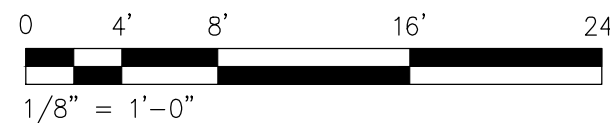
E-4.1



BUILDING 5 POWER PLAN



BUILDING 5 - SIGNAL PLAN



1/8" = 1'-0"

POWER PLAN KEYNOTES

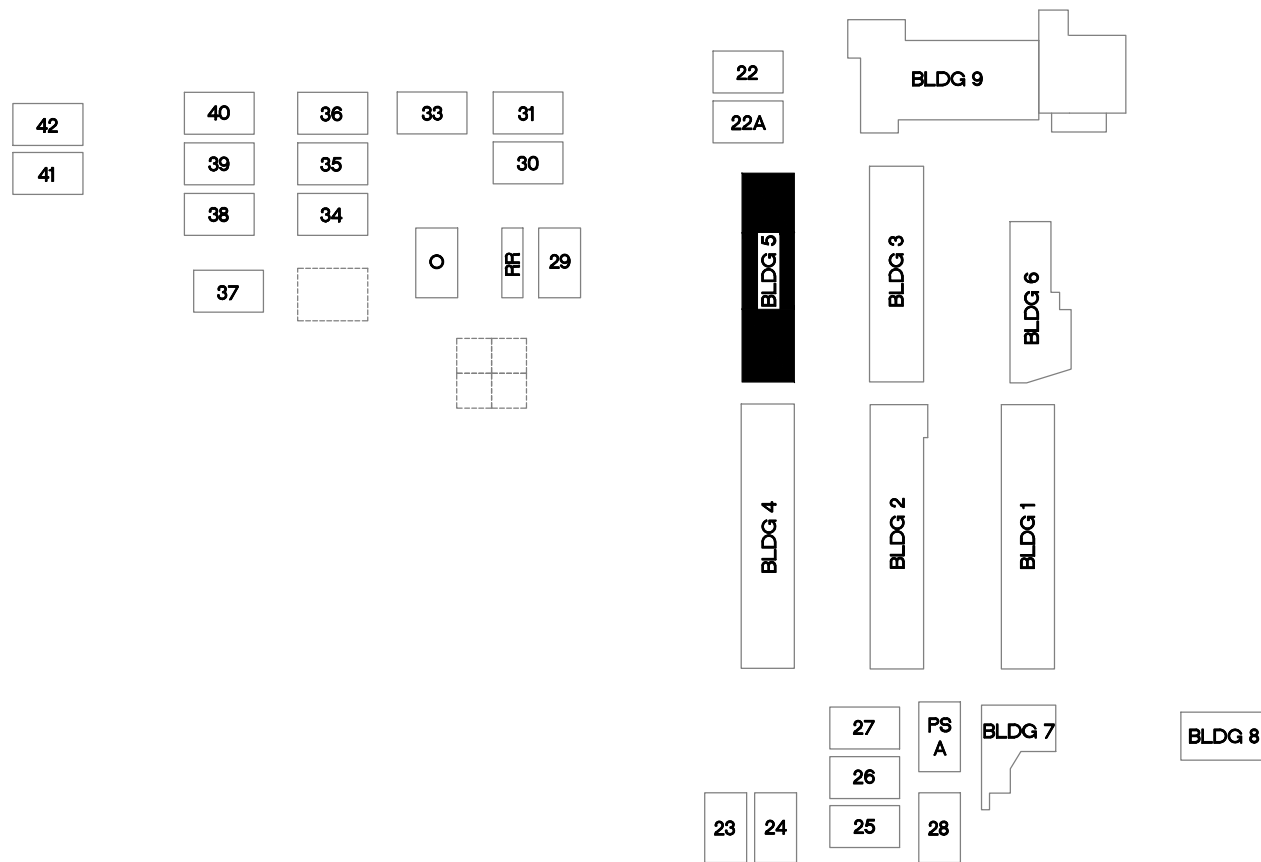
- REPLACE CEILING MOUNTED DUPLEX RECEPTACLE WITH DOUBLE DUPLEX RECEPTACLE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY. MATCH EXISTING COLOR.
- PROVIDE WIREMOLD 2300 TRANSITION FITTINGS TO FEED CHARGING CART RECEPTACLES. RELOCATE/ADJUST LOCATION OF SURFACE MOUNTED SINGLE RECEPTACLES FOR CHARGING CART AS NECESSARY TO ACCOMMODATE NEW WIREMOLD INSTALLATION. SEE A/ET-5.5. PATCH/REPAIR AND PAINT SURFACE BENEATH RACEWAY TO MATCH EXISTING CONDITIONS.
- SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- PROVIDE POWER OUTLETS FOR IDF. SEE E-12.2 FOR POWER AND LIGHTING WORK IN THIS AREA.
- PROVIDE FIRE ALARM DEVICES FOR IDF ROOM. SEE EF-12.1 FOR FIRE ALARM WORK IN THIS AREA.
- ADD DUPLEX RECEPTACLE AT PROJECTOR MOUNTING PLATE FOR PROJECTOR AND AV POWER SUPPLY. PROVIDE WHITE RECEPTACLE AND WHITE FACEPLATE.
- EXTEND EXISTING BRANCH CIRCUIT TO DOUBLE DUPLEX RECEPTACLE FOR WALL MOUNTED PROJECTOR AND AV POWER SUPPLY.
- MOUNT DOUBLE DUPLEX RECEPTACLE IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY. CONTRACTOR TO LOCATE OUTLET IN SAME CEILING TILE AS CEILING MOUNTED PROJECTOR MOUNTING PLATE. SEE DETAIL B/ET-5.5.

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 B/ET-5.5.
- PROVIDE NEW FACEPLATES, DEVICE BRACKETS (SURFACE RACEWAY) AND OR DEVICE BOXES. SEE DETAIL A/B/ET-5.3 FOR FACEPLATE & 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 +45" 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.
- SEE DETAIL C/E-14.1
- SEE DETAIL B/ET-14.3
- 12" WIDE X 4"D BASKET TYPE CABLE TRAY MOUNTED ABOVE CEILING GRID. SEE DETAIL A/ET-5.2 FOR INSTALLATION.
- PROVIDE CONTINUOUS #6 GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO T6B IN IDF ROOM.
- DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER. PROVIDE 1" CONDUIT TO CABLE TRAY.

GENERAL NOTES

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



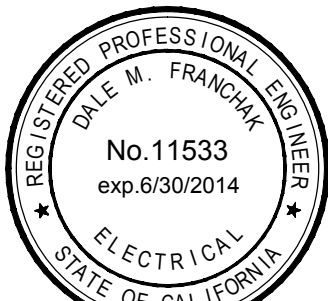
KEYPLAN



NTS

TURPIN & RATTAN
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4719 PALM AVENUE
LA MESA, CA 91941-5221
619-466-1622 / 6224 FAX 466-16233
E-MAIL: ENGINEER@TREISO.COM

TREI # 12176
V.PHATHANAK 11/16/12 - B:59AM



MARK FORTIE, RCDD
REGISTRATION NO. 11533
EXPIRES 12/31/13
Regis. No. 081432



CONSULTANT

APPROVALS

DESCRIPTION

BUILDING 5
POWER AND
SIGNAL PLANS

DATE

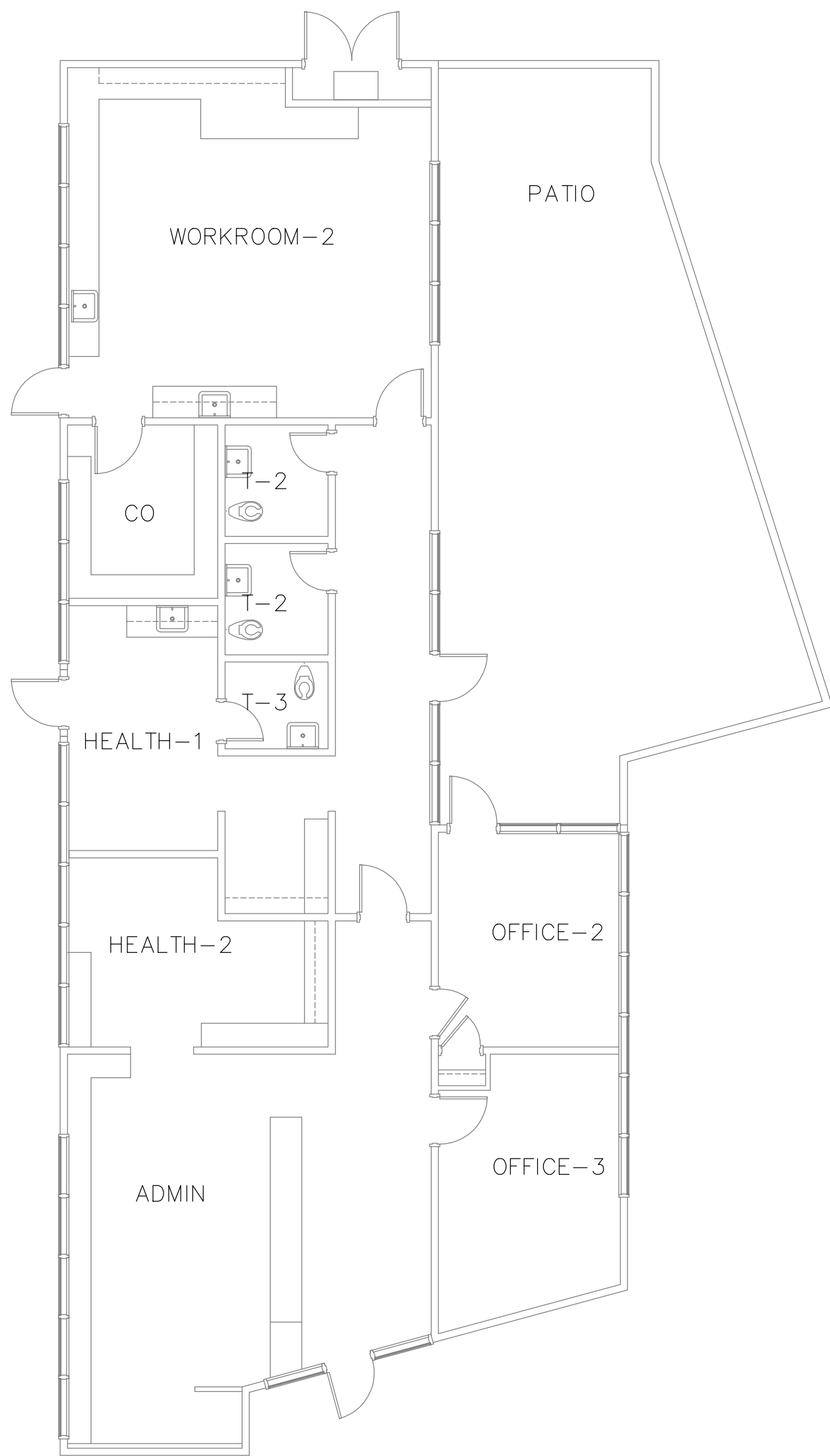
11/16/12

JOB #

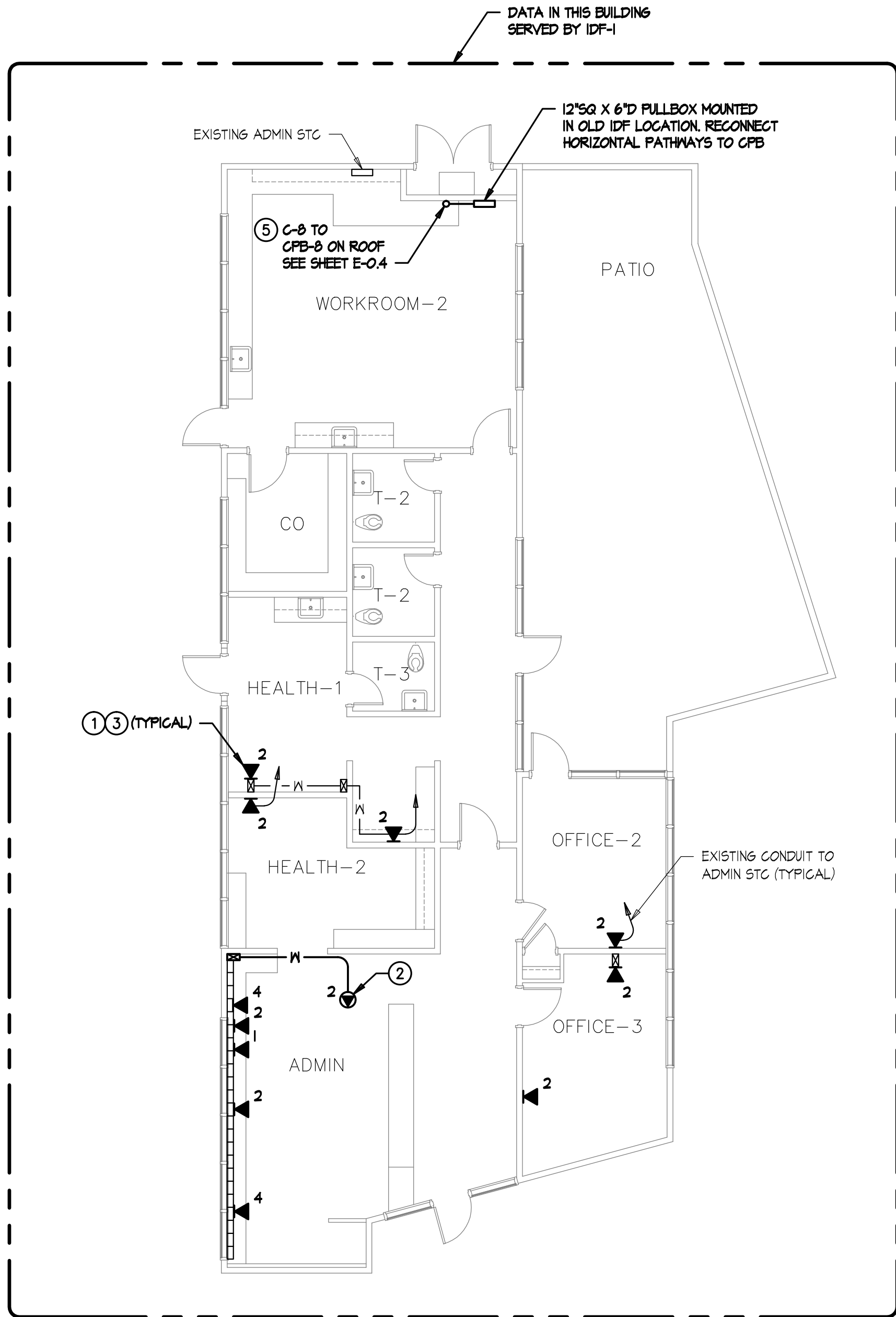
12176

SHEET #

E-5.1



BUILDING 6 - POWER PLAN



BUILDING 6 - SIGNAL PLAN

POWER PLAN KEYNOTES

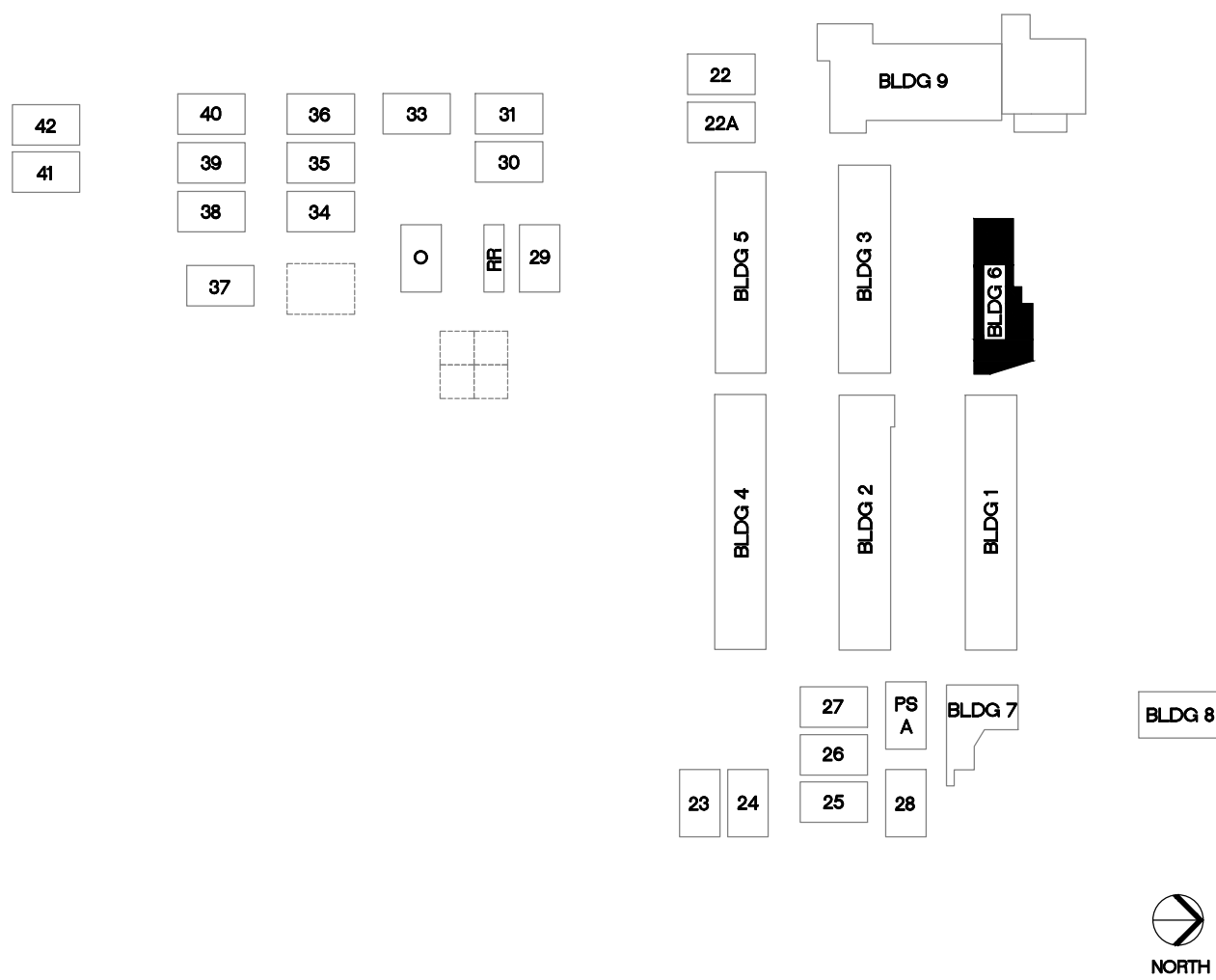
- 1 REPLACE CEILING MOUNTED DUPLEX RECEPTACLE WITH DOUBLE DUPLEX RECEPTACLE FOR CEILING MOUNTED PROJECTOR AND A/V POWER SUPPLY. MATCH EXISTING COLOR.
- 2 PROVIDE WIREMOLD 2300 TRANSITION FITTINGS TO FEED CHARGING CART RECEPTACLES. RELOCATE/ADJUST LOCATION OF SURFACE MOUNTED SINGLE RECEPTACLES FOR CHARGING CART AS NECESSARY TO ACCOMMODATE NEW WIREMOLD INSTALLATION. SEE A/ET-5.5. PATCH/REPAIR AND PAINT SURFACE BENEATH RACEWAY TO MATCH EXISTING CONDITIONS.
- 3 SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- 4 PROVIDE POWER OUTLETS FOR IDF. SEE E-12.1 FOR POWER AND LIGHTING WORK IN THIS AREA.
- 5 PROVIDE FIRE ALARM DEVICES FOR IDF ROOM. SEE EF-12.1 FOR FIRE ALARM WORK IN THIS AREA.
- 6 ADD DUPLEX RECEPTACLE AT PROJECTOR MOUNTING PLATE FOR PROJECTOR AND A/V POWER SUPPLY. PROVIDE WHITE RECEPTACLE AND WHITE FACEPLATE.
- 7 EXTEND EXISTING BRANCH CIRCUIT TO DOUBLE DUPLEX RECEPTACLE FOR WALL MOUNTED PROJECTOR AND A/V POWER SUPPLY.
- 8 MOUNT DOUBLE DUPLEX RECEPTACLE IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND A/V POWER SUPPLY. CONTRACTOR TO LOCATE OUTLET IN SAME CEILING TILE AS CEILING MOUNTED PROJECTOR MOUNTING PLATE. SEE DETAIL B/ET-5.5.

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 MALLS.
- 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 PROVIDE NEW FACEPLATES, DEVICE BRACKETS (SURFACE RACEWAY) AND OR DEVICE BOXES. SEE DETAIL A/B/ET-5.3 FOR FACEPLATE & LABELING REQUIREMENTS.
- 4 EXISTING PHONE (BOSEN HANDSET), TO REMAIN.
- 5 SEE DETAIL B/E-14.3.

GENERAL NOTES

1. SEE DATA RISER DIAGRAM ON ET-1.3 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.



KEYPLAN



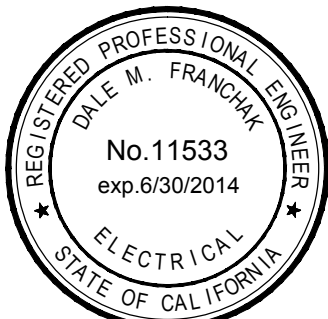
1/8" = 1'-0"



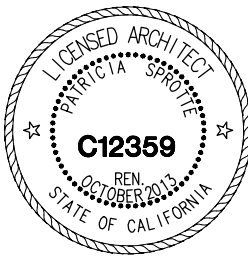
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619-466-6224 FAX 619-466-6233
E-MAIL: ENGINEER@TREISO.COM

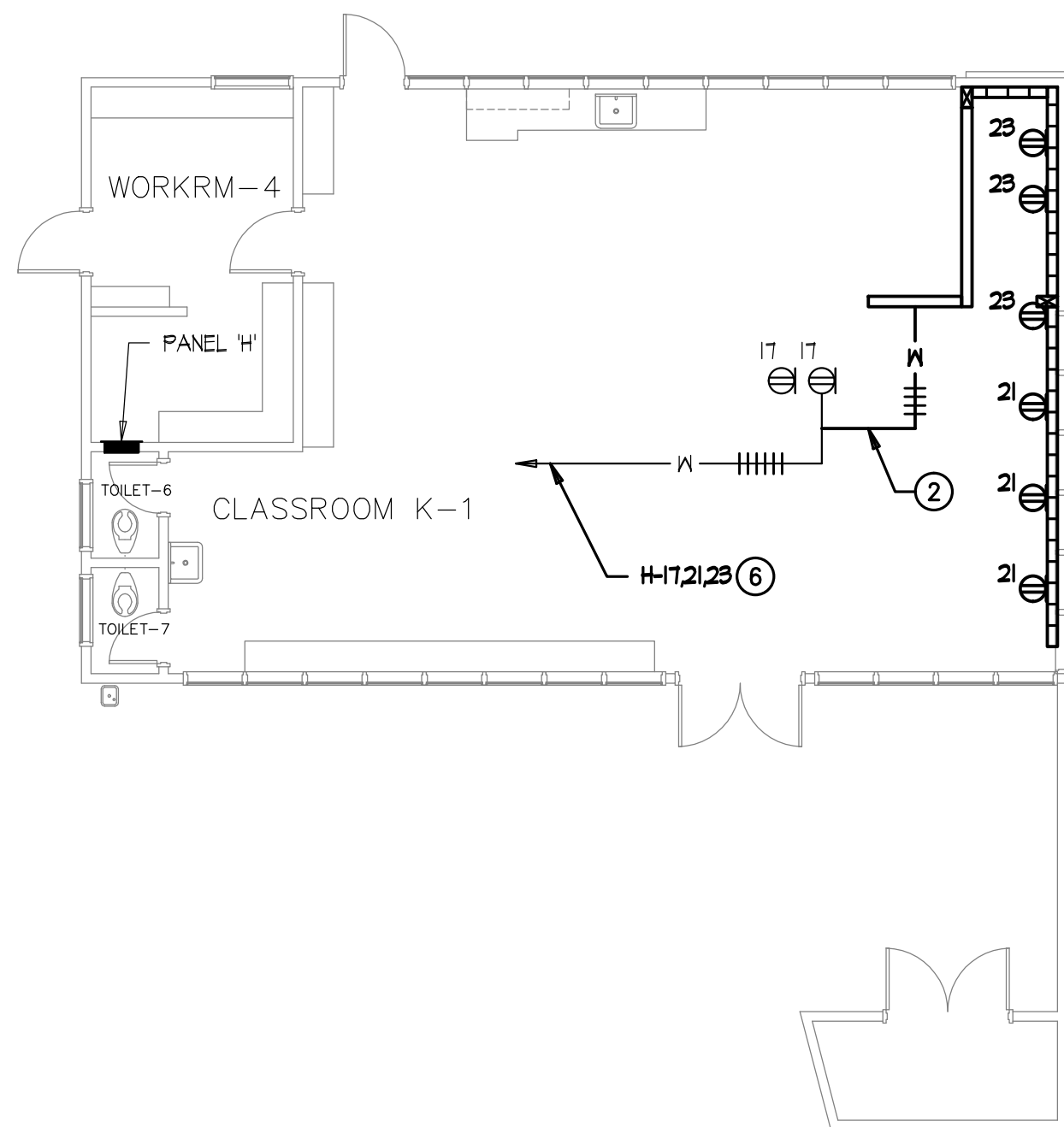
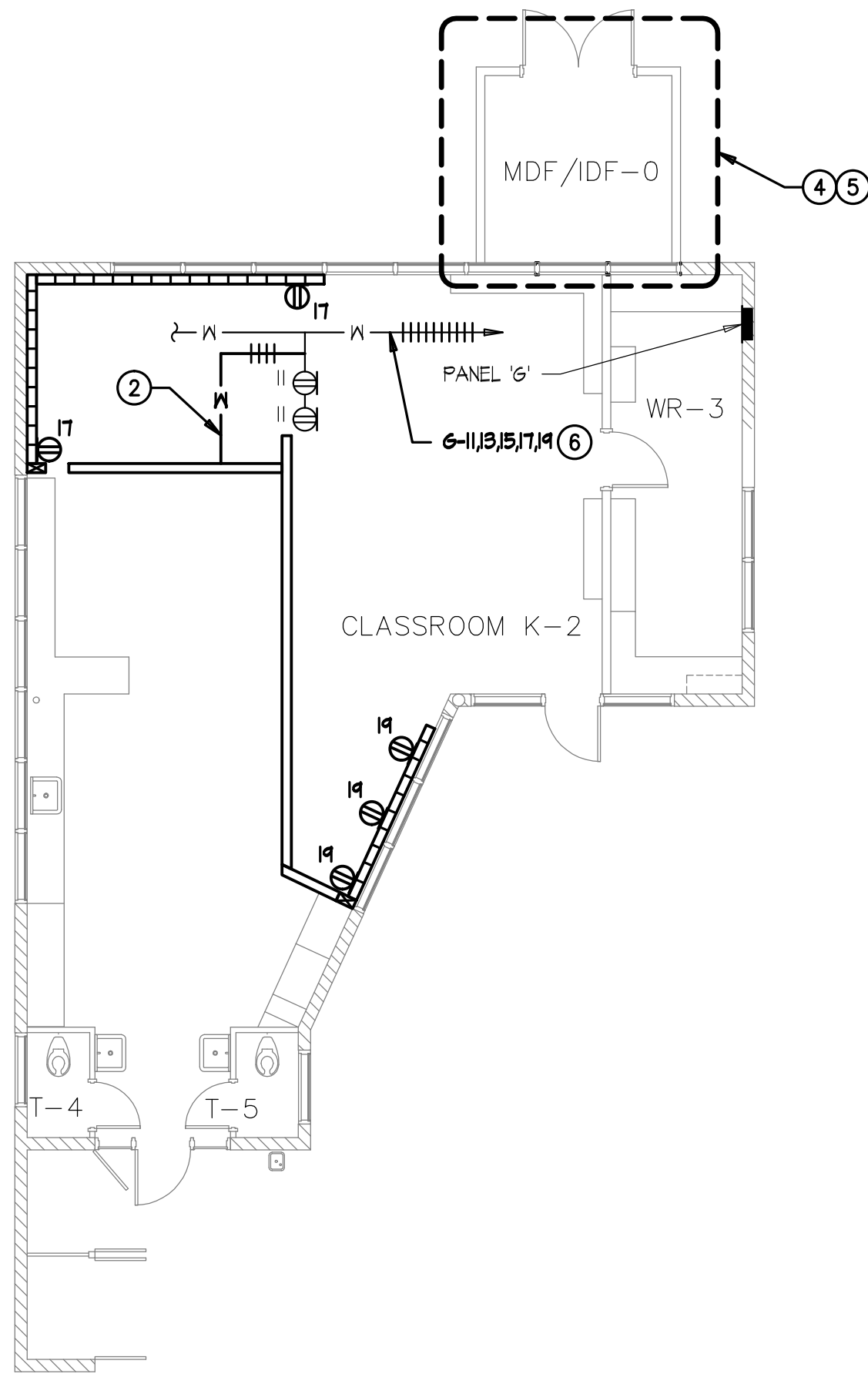
TREI # 12176

V.PHATHANAK 11/16/12 - 9:00AM



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





POWER PLAN KEYNOTES

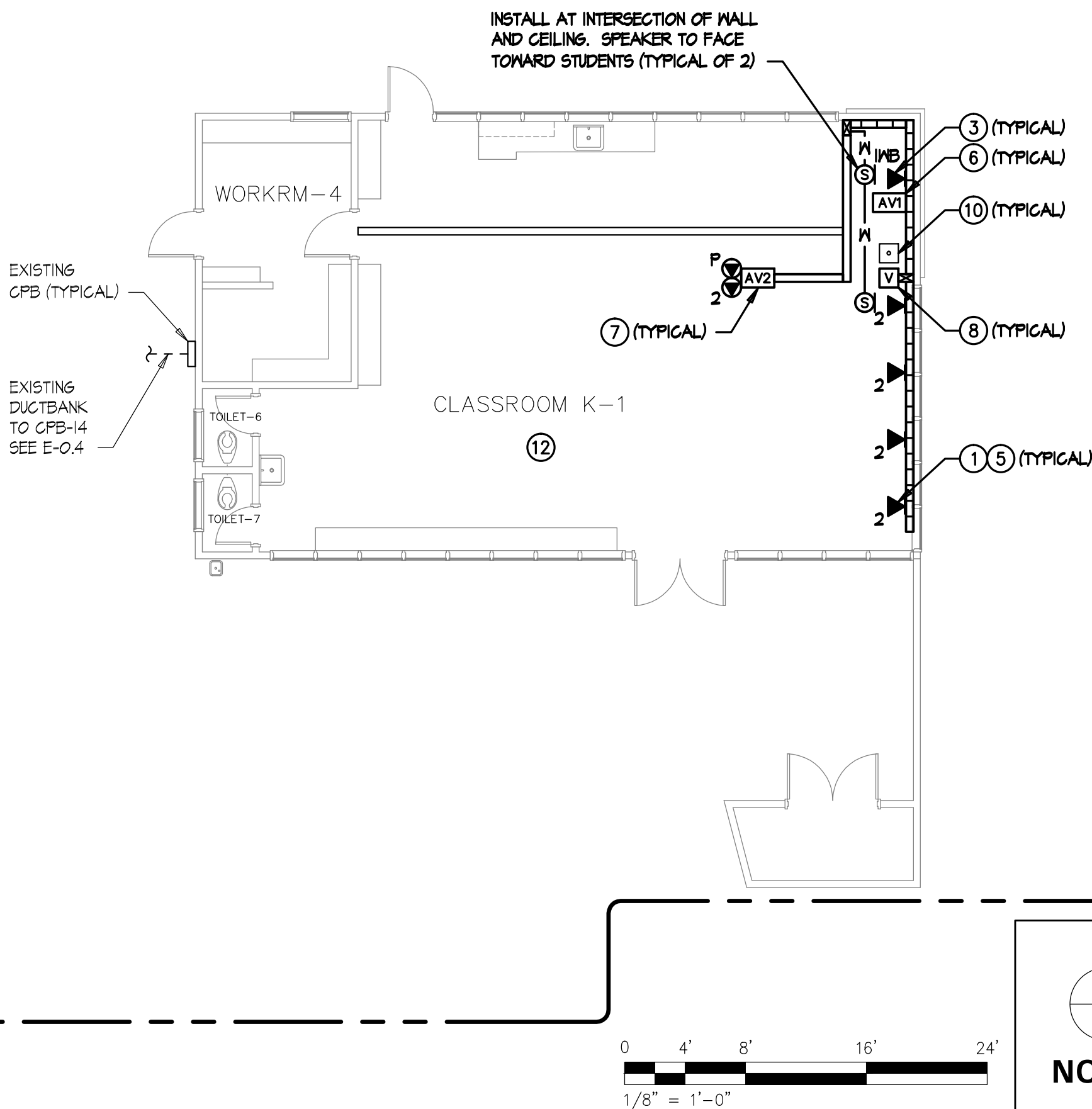
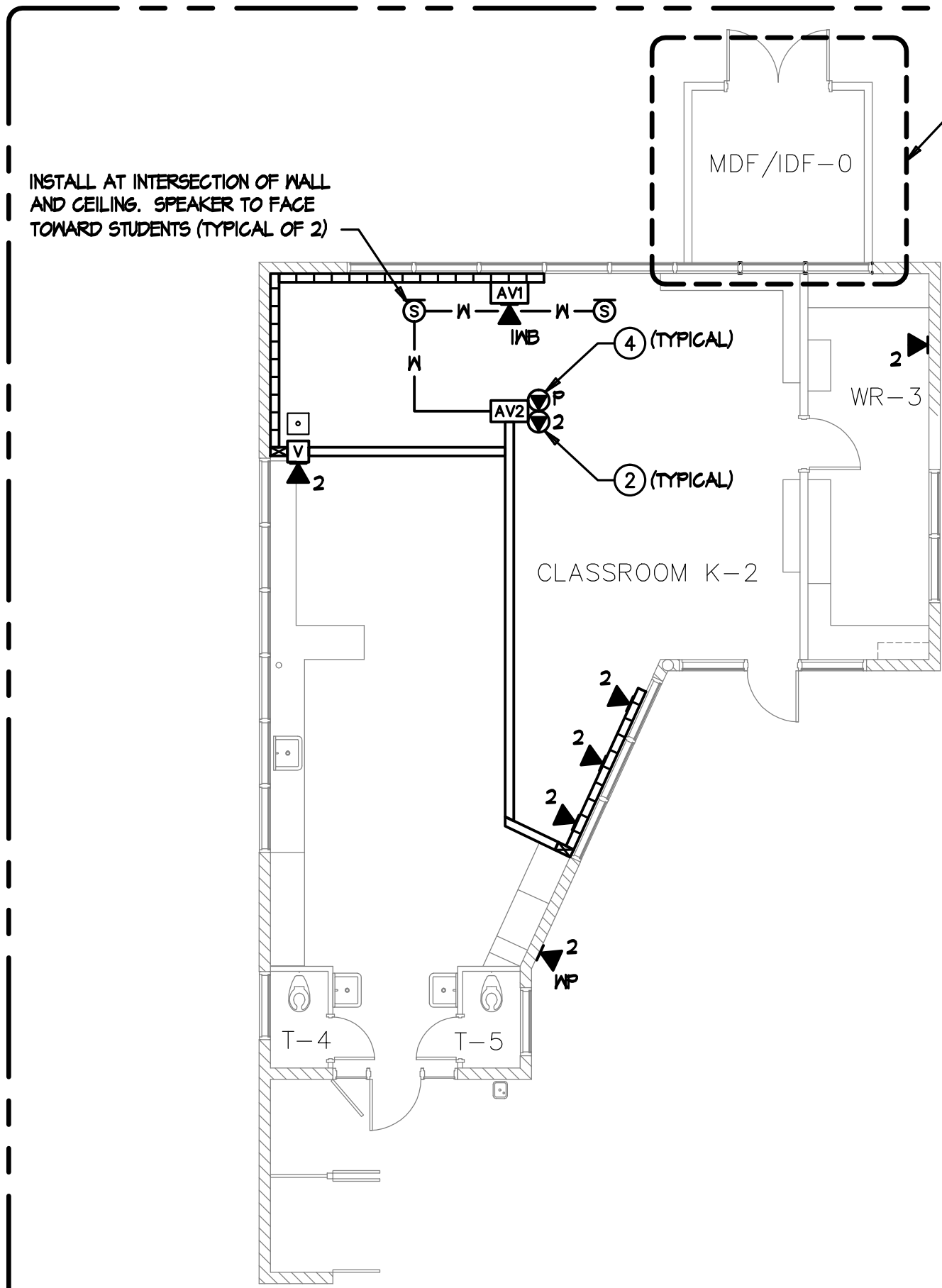
- 1 REPLACE CEILING MOUNTED DUPLEX RECEPTACLE WITH DOUBLE DUPLEX RECEPTACLE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY. MATCH EXISTING COLOR.
- 2 PROVIDE WIREMOLD 2300 TRANSITION FITTINGS TO FEED BETWEEN NEW RACEWAY AND EXISTING RACEWAY ON CEILING.
- 3 SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- 4 PROVIDE POWER OUTLETS FOR MDF. SEE E-12.2 FOR POWER AND LIGHTING WORK IN THIS AREA.
- 5 PROVIDE FIRE ALARM DEVICES FOR IDF ROOM. SEE EF-12.1 FOR FIRE ALARM WORK IN THIS AREA.
- 6 PULL ADDITIONAL BRANCH CIRCUIT CONDUCTORS IN EXISTING WIREMOLD HOMERUN TO EXISTING PANEL.

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 MALL 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. SEE B/ET-5.5.
- 5 PROVIDE NEW FACEPLATES, DEVICE BRACKETS (SURFACE RACEWAY) AND OR DEVICE BOXES. SEE DETAIL A/B/ET-5.3 FOR FACEPLATE & LABELING REQUIREMENTS.
- 6 AV1 INTERFACE MOUNTED AT CENTER OF TEACHING MALL AT +18' AFF. PROVIDE EXTRON 2-GANG EMB SERIES MALL 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 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 (BOSEN HANDSET), TO REMAIN.
- 11 DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER. PROVIDE 1" CONDUIT TO CABLE TRAY.
- 12 EXTEND EXISTING CONDUITS TO CPB. USE EXISTING DUCTBANK FROM CPB-14 FOR HORIZONTAL CABLING.

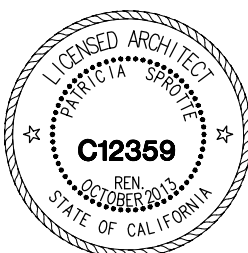
BUILDING 7&8 - POWER PLAN

1/8" = 1'-0"



GENERAL NOTES

1. SEE DATA RISER DIAGRAM ON ET-1.3 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.



CONSULTANT

APPROVALS

DESCRIPTION

BUILDING 7&8
POWER AND
SIGNAL PLANS

DATE

11/16/12

JOB #

12176

SHEET #

E-7.1

KEYPLAN

NTS

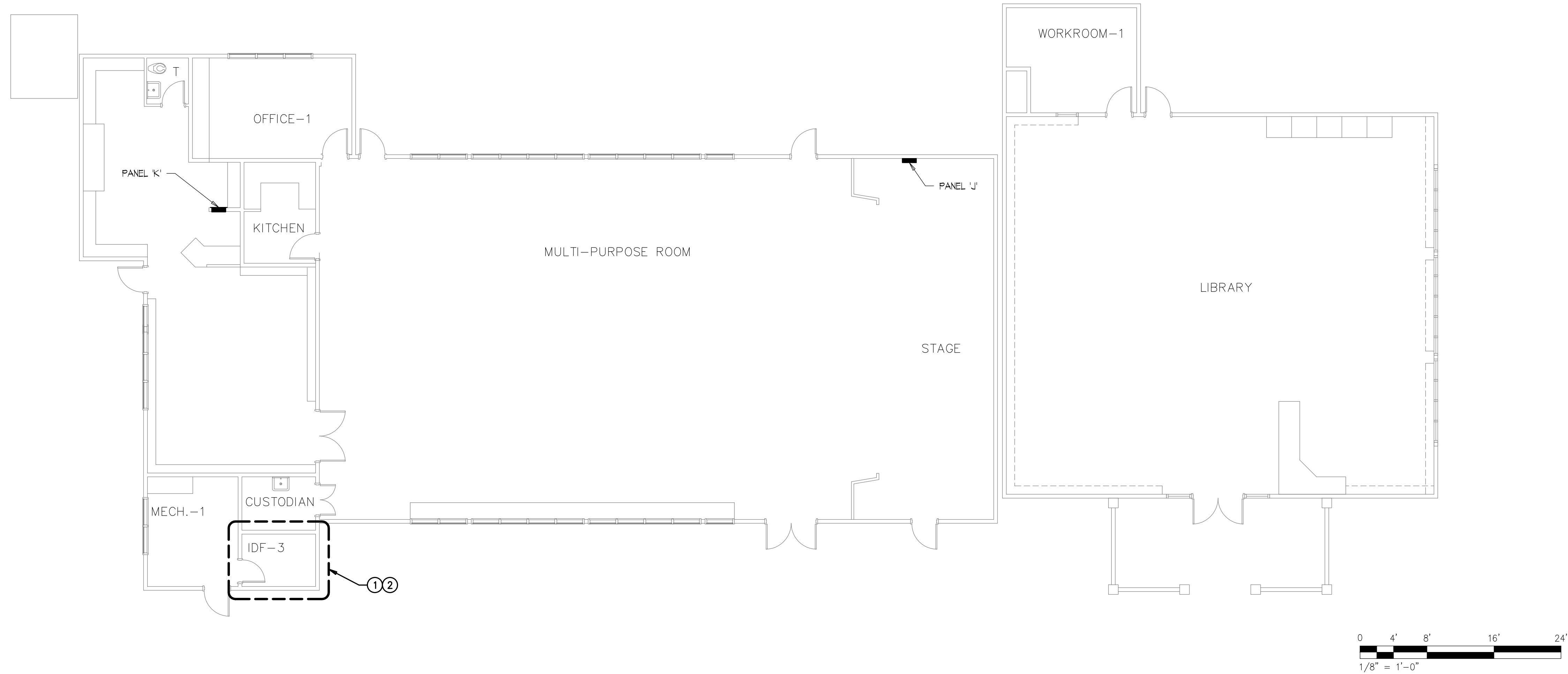
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619-466-6224 FAX 619-466-6233
E-MAIL: ENGINEER@TREISO.COM
TREI # 12176
V. PHATHANAK 11/16/12 - 9:00AM



NORTH

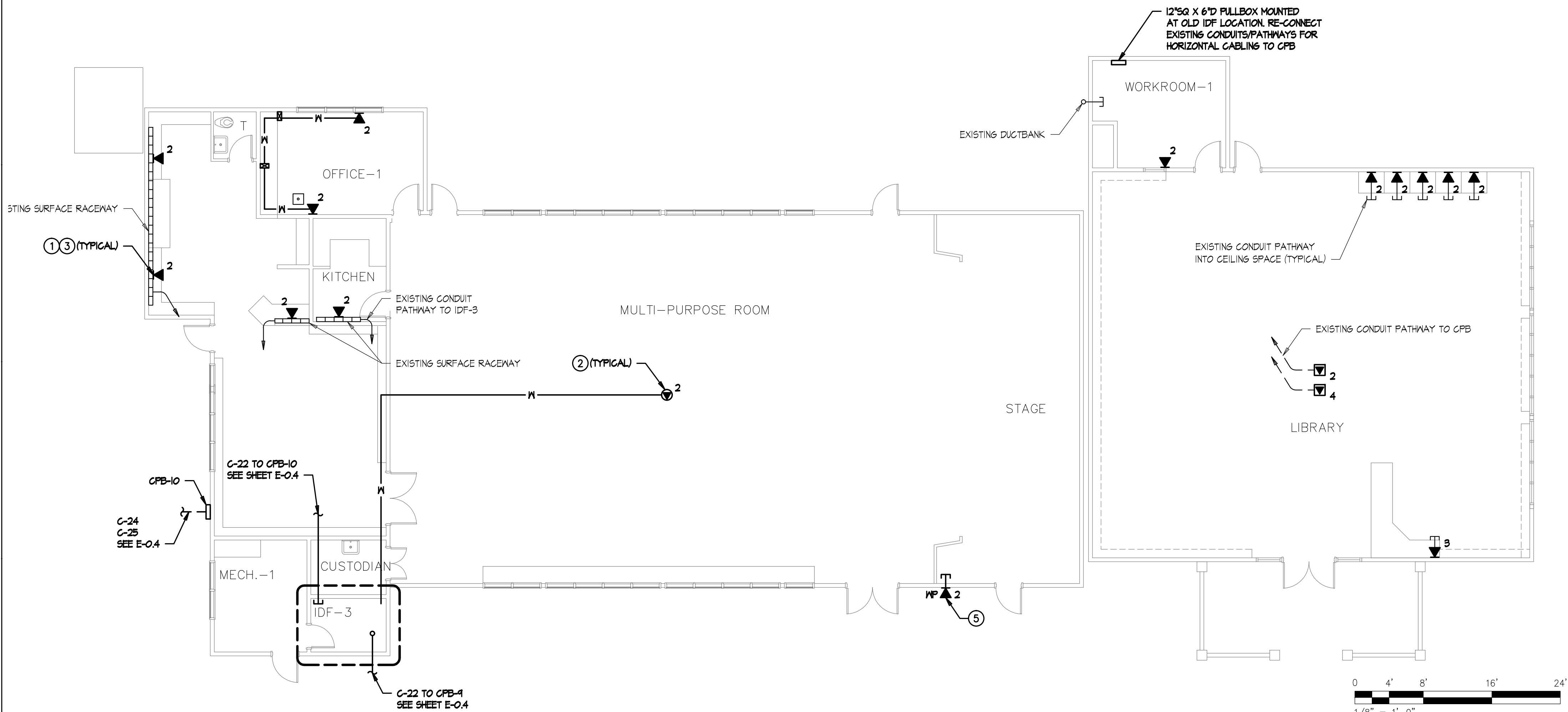
1/8" = 1'-0"

BUILDING 7&8 - SIGNAL PLAN



BUILDING 9 - POWER PLAN

1/8" = 1'-0"



BUILDING 9 - SIGNAL PLAN

1/8" = 1'-0"

POWER PLAN KEYNOTES

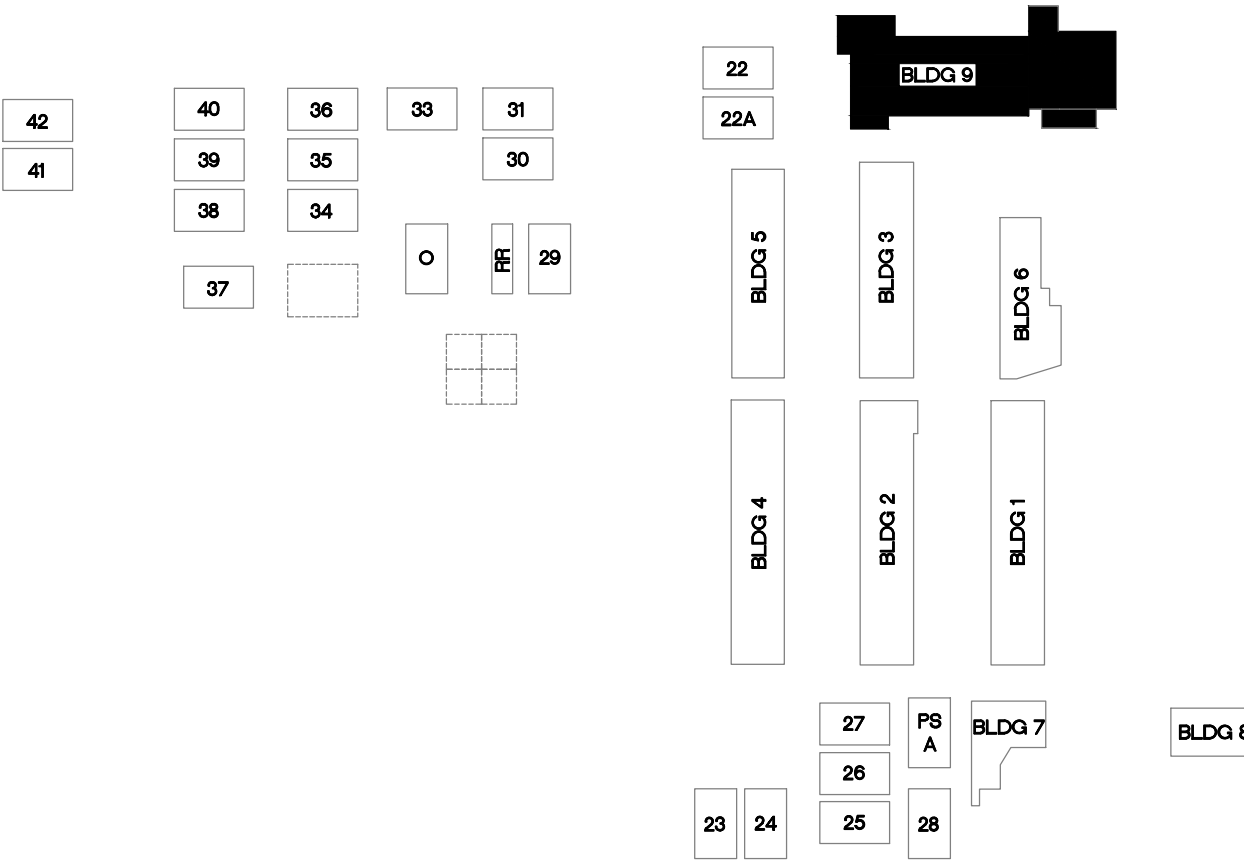
- 1 PROVIDE POWER OUTLETS FOR IDF. SEE E-12.2 FOR POWER AND LIGHTING WORK IN THIS AREA.
- 2 PROVIDE FIRE ALARM DEVICES FOR IDF ROOM. SEE EF-12.1 FOR FIRE ALARM WORK IN THIS AREA.

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 PROVIDE NEW FACEPLATES, DEVICE BRACKETS (SURFACE RACEMAY) AND OR DEVICE BOXES. SEE DETAIL A/B/ET-5.3 FOR FACEPLATE & LABELING REQUIREMENTS.
- 4 EXISTING PHONE (BOSEN HANDSET), TO REMAIN.
- 5 DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER. PROVIDE 1" CONDUIT TO CABLE TRAY.

GENERAL NOTES

- 1. SEE DATA RISER DIAGRAM ON ET-1.4 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.



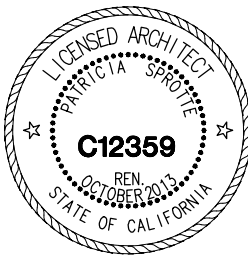
KEYPLAN

NTS

TURPIN & RATTAN
ENGINEERING, INC.
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619 / 466 / 6224 FAX 619 / 6233
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TREI # 12176
V. PHATHANAK 11/16/12 - 9:00AM



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



CONSULTANT

APPROVALS

DESCRIPTION

BUILDING 9
POWER AND
SIGNAL PLANS

DATE

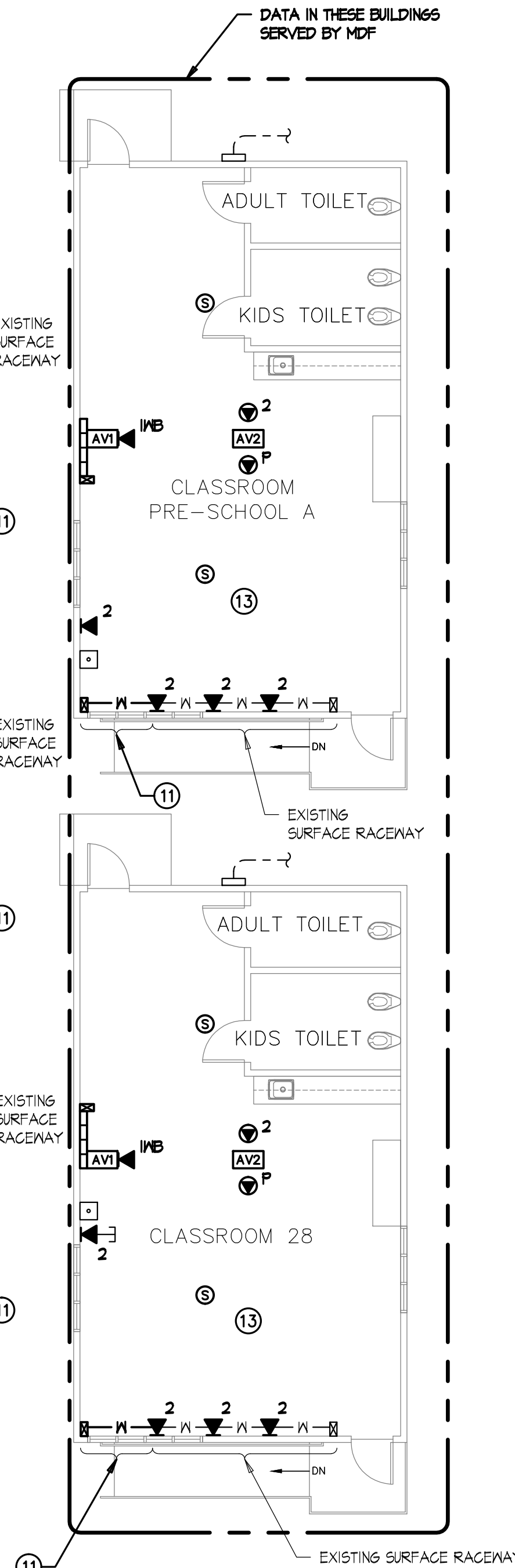
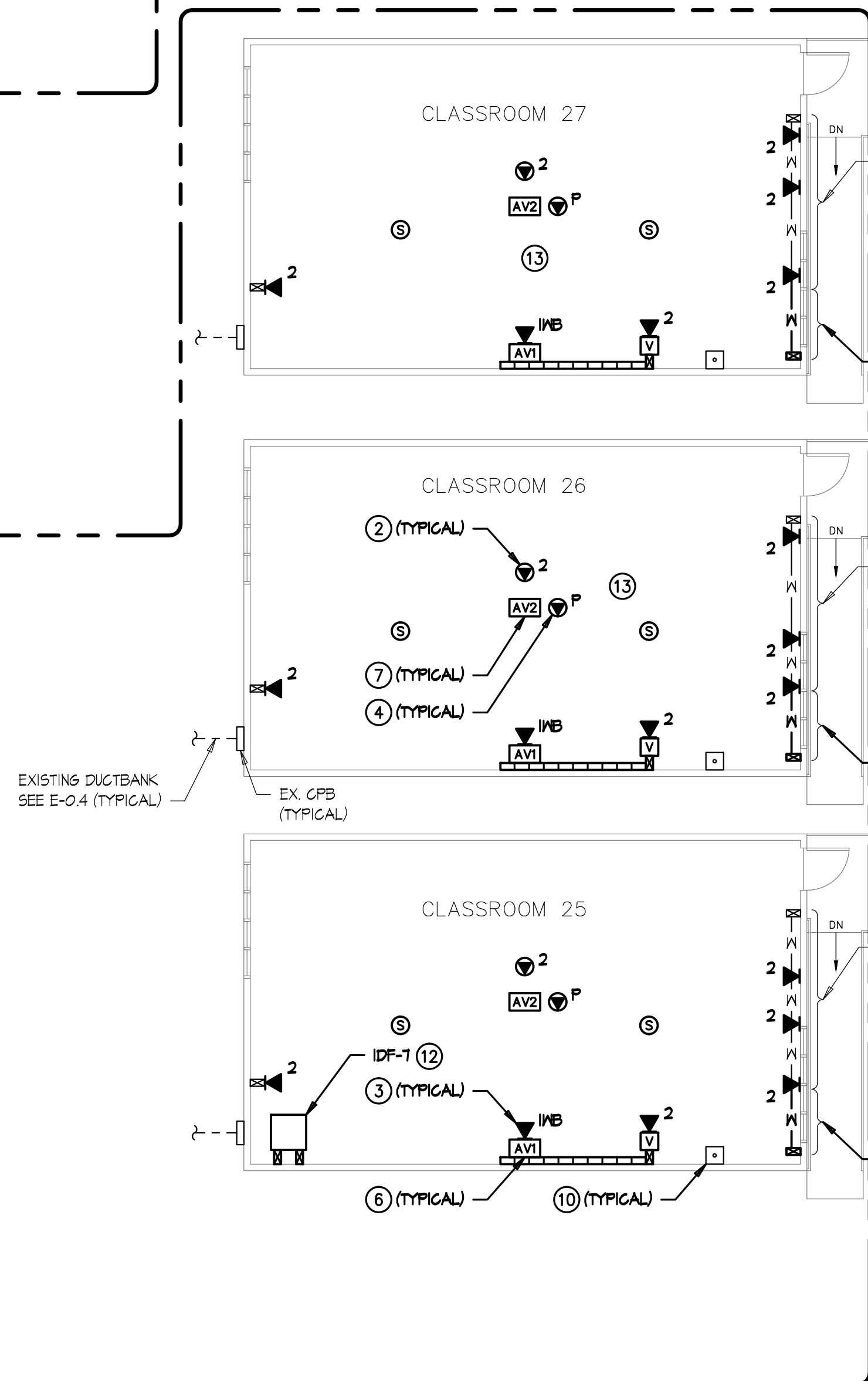
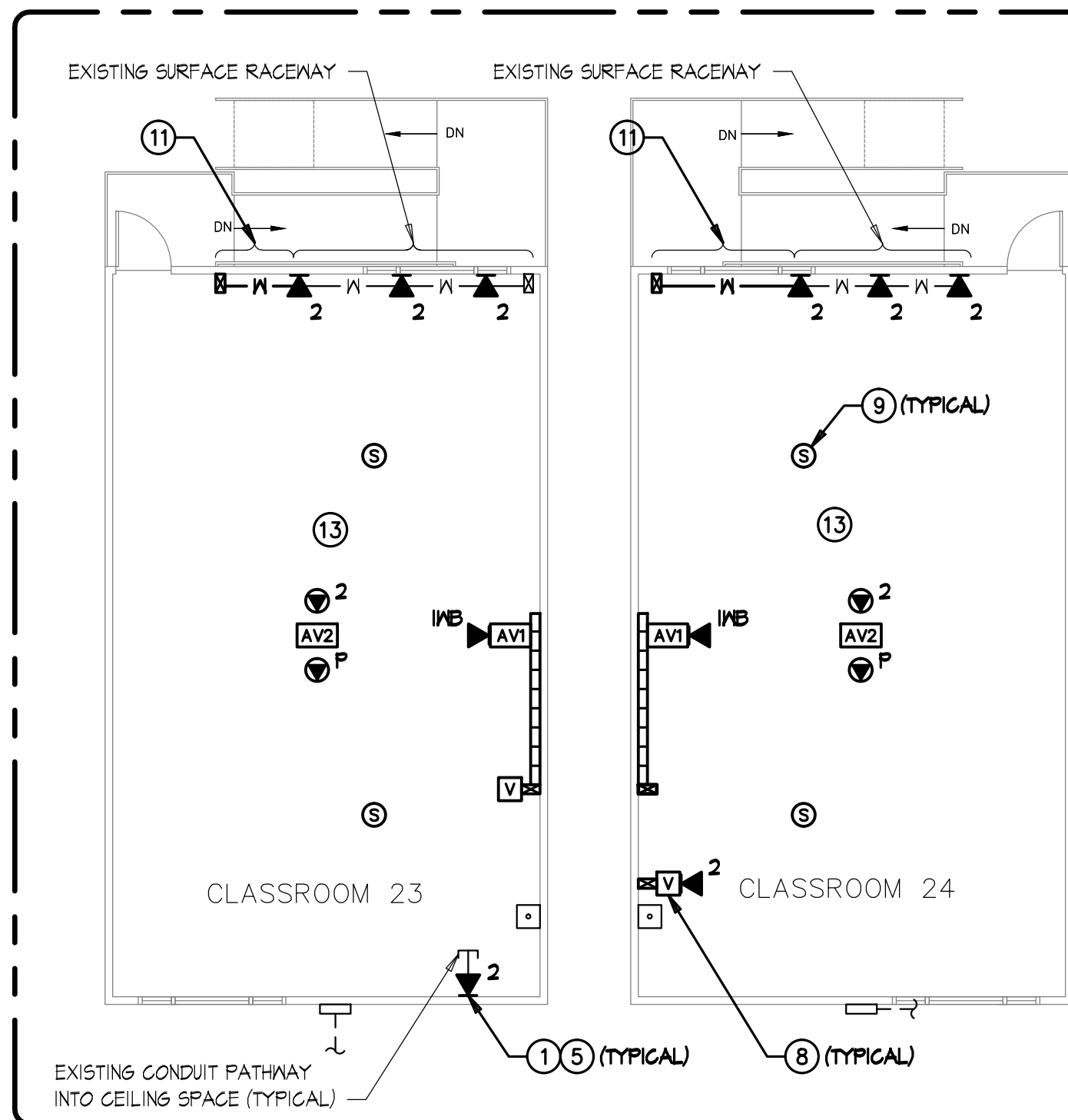
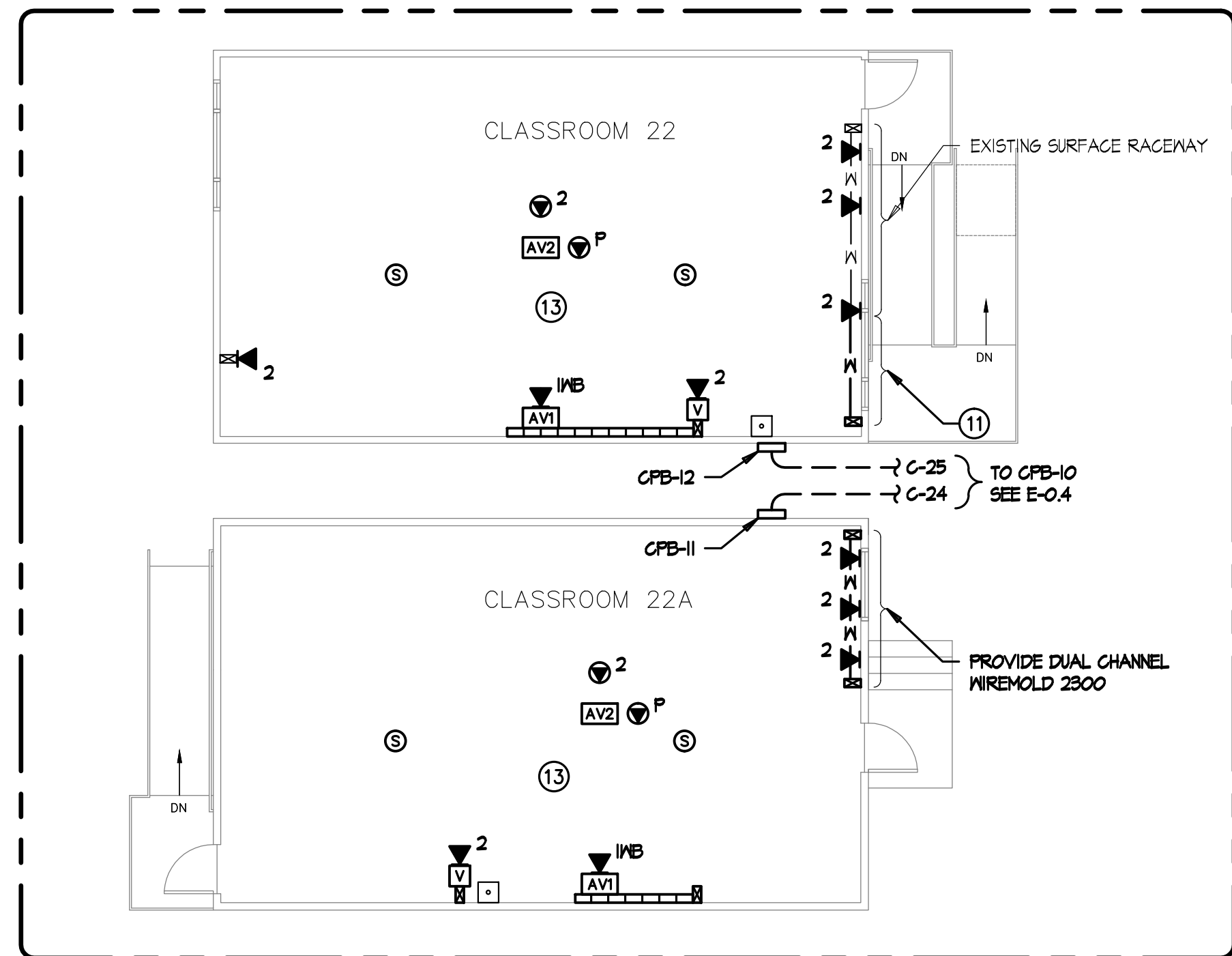
11/16/12

JOB #

12176

SHEET #

E-8.1

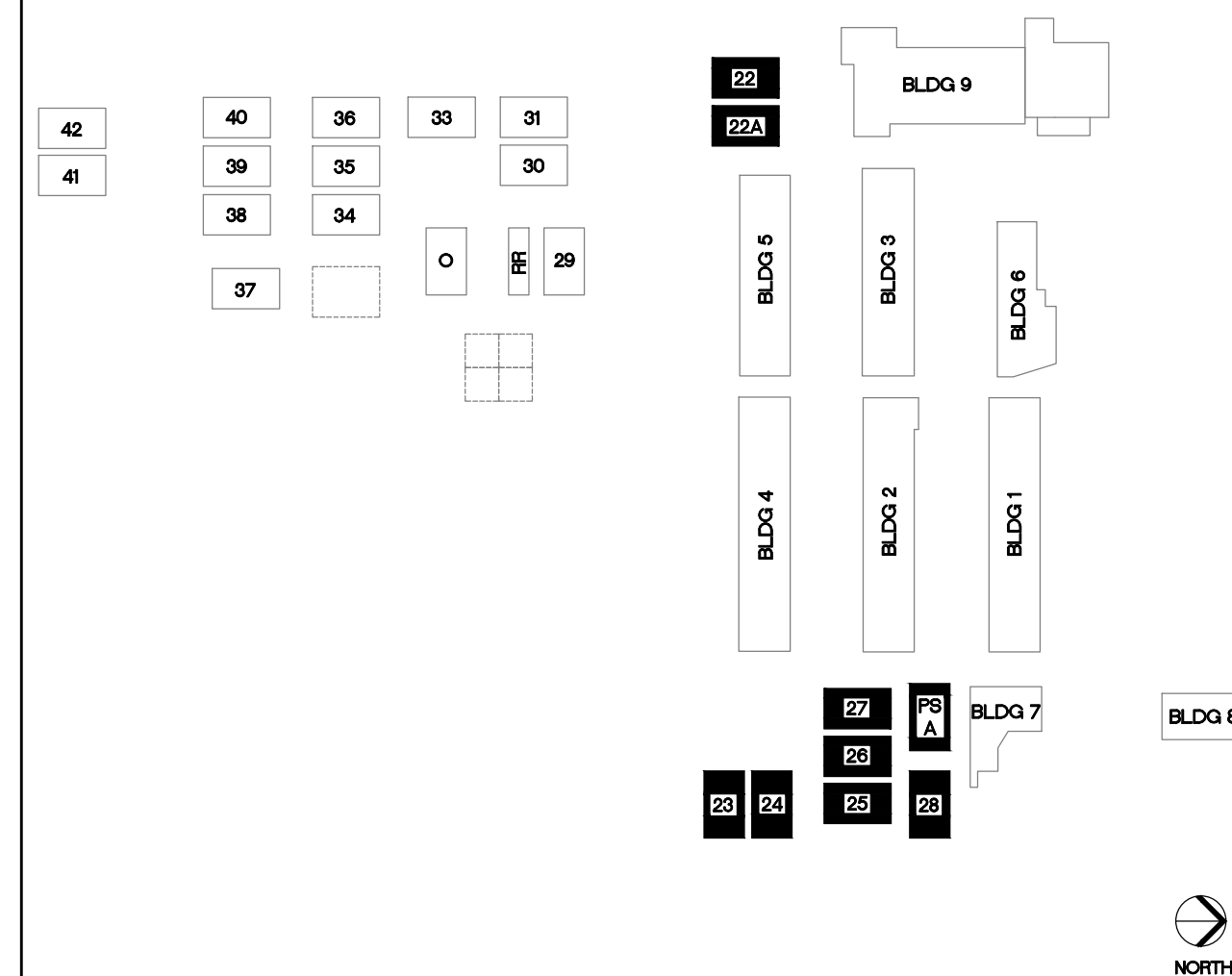


SIGNAL PLAN KEYNOTES

- 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 B/ET-5.5.
- PROVIDE NEW FACEPLATES, DEVICE BRACKETS (SURFACE RACEWAY) AND/OR DEVICE BOXES. SEE DETAIL A/B/ET-5.3 FOR FACEPLATE & 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 (BOGEN HANDSET), TO REMAIN.
- PROVIDE DUAL CHANNEL WIREMOLD 2800 TO ACCOMMODATE DATA CABLING. COLOR TO MATCH EXISTING (TYPICAL AT STUDENT WORKSTATIONS)
- SEE A/ET-5.6 FOR INSTALLATION.
- SEE B/ET-5.6 FOR TYPICAL OSP CABLE PATHWAYS. USE EXISTING DUCTBANK FROM IDF FOR OSP CABLE DISTRIBUTION.

GENERAL NOTES

- SEE DATA RISER DIAGRAM ON ET-1.4 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.



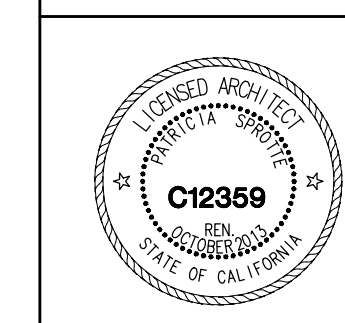
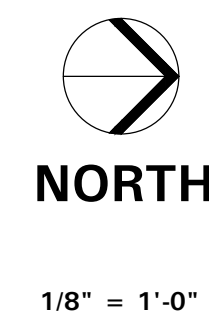
KEYPLAN

TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619-466-6224 FAX 619-466-6233
E-MAIL: ENGINEER@TREISO.COM
TREI # 12176
V.PHATHANAK 11/16/12 - 9:00AM



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

CLASSROOM 22-28, PRE-SCHOOL A - SIGNAL PLAN



CONSULTANT

APPROVALS

DESCRIPTION

CLASSROOM 22-28, AND PRE-SCHOOL A SIGNAL PLAN

DATE

11/16/12

JOB

12176

SHEET

E-92



IT UPGRADE YEAR TWO
CHASE ELEMENTARY SCHOOL
CAJON VALLEY UNION SCHOOL DISTRICT
750 E. MAIN ST.
EL CAJON, CA 92020

CONSULTANT

APPROVALS

DESCRIPTION

CLASSROOM
29-36 SIGNAL
PLAN

DATE

11/16/12

JOB #

12176

SHEET #

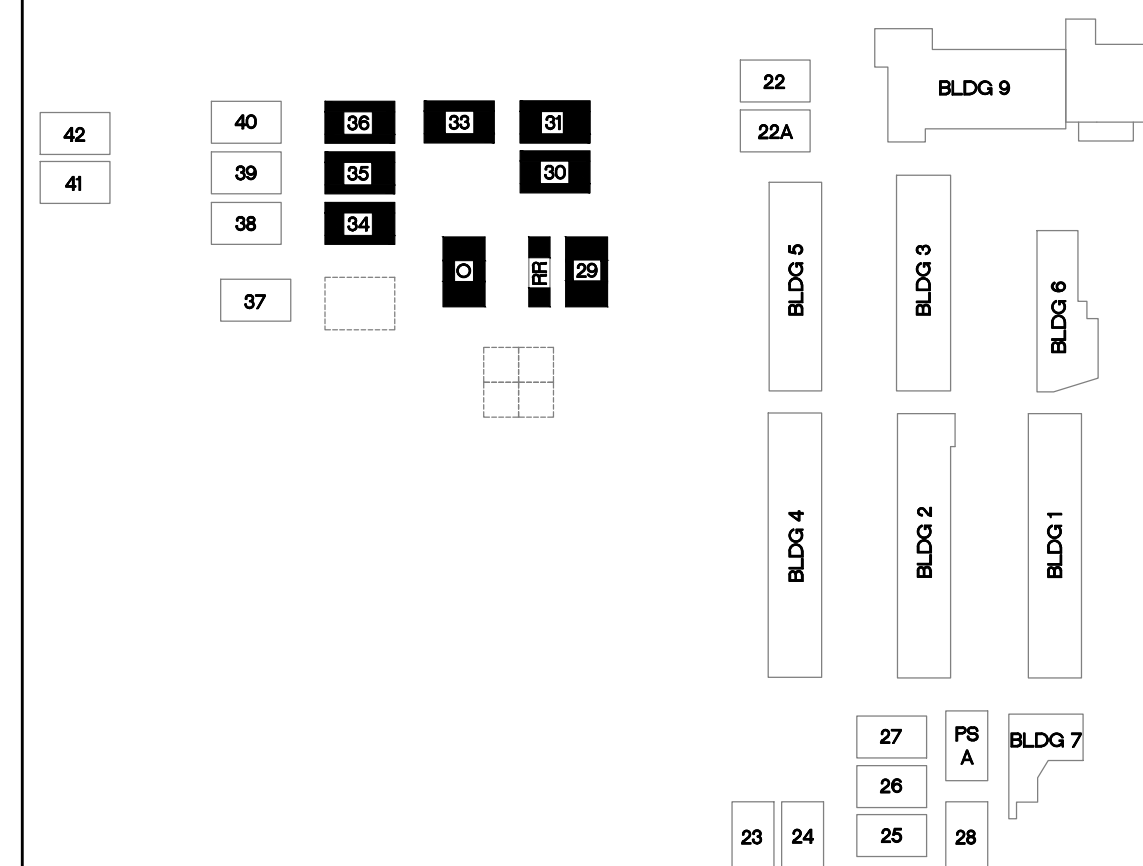
E-10.3

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 B/ET-5.5.
- PROVIDE NEW FACEPLATES, DEVICE BRACKETS (SURFACE RACEWAY) AND OR DEVICE BOXES. SEE DETAIL A/B/ET-5.3 FOR FACEPLATE & 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 (BOGEN HANSET), TO REMAIN.
- PROVIDE DUAL CHANNEL WIREMOLD 2800 TO ACCOMMODATE DATA CABLING. COLOR TO MATCH EXISTING (TYPICAL AT STUDENT WORKSTATIONS)
- DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER.
- SEE A/ET-5.6 FOR INSTALLATION.
- SEE B/ET-5.6 FOR TYPICAL OSP CABLE PATHWAYS. USE EXISTING DUCTBANK FROM IDF FOR OSP CABLE DISTRIBUTION.

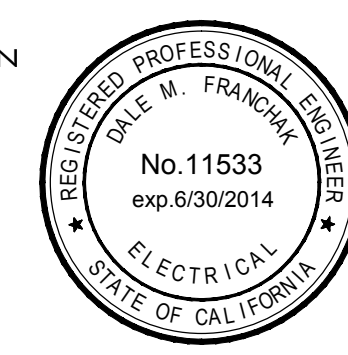
GENERAL NOTES

- SEE DATA RISER DIAGRAM ON ET-1.4 AND ET-1.5 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

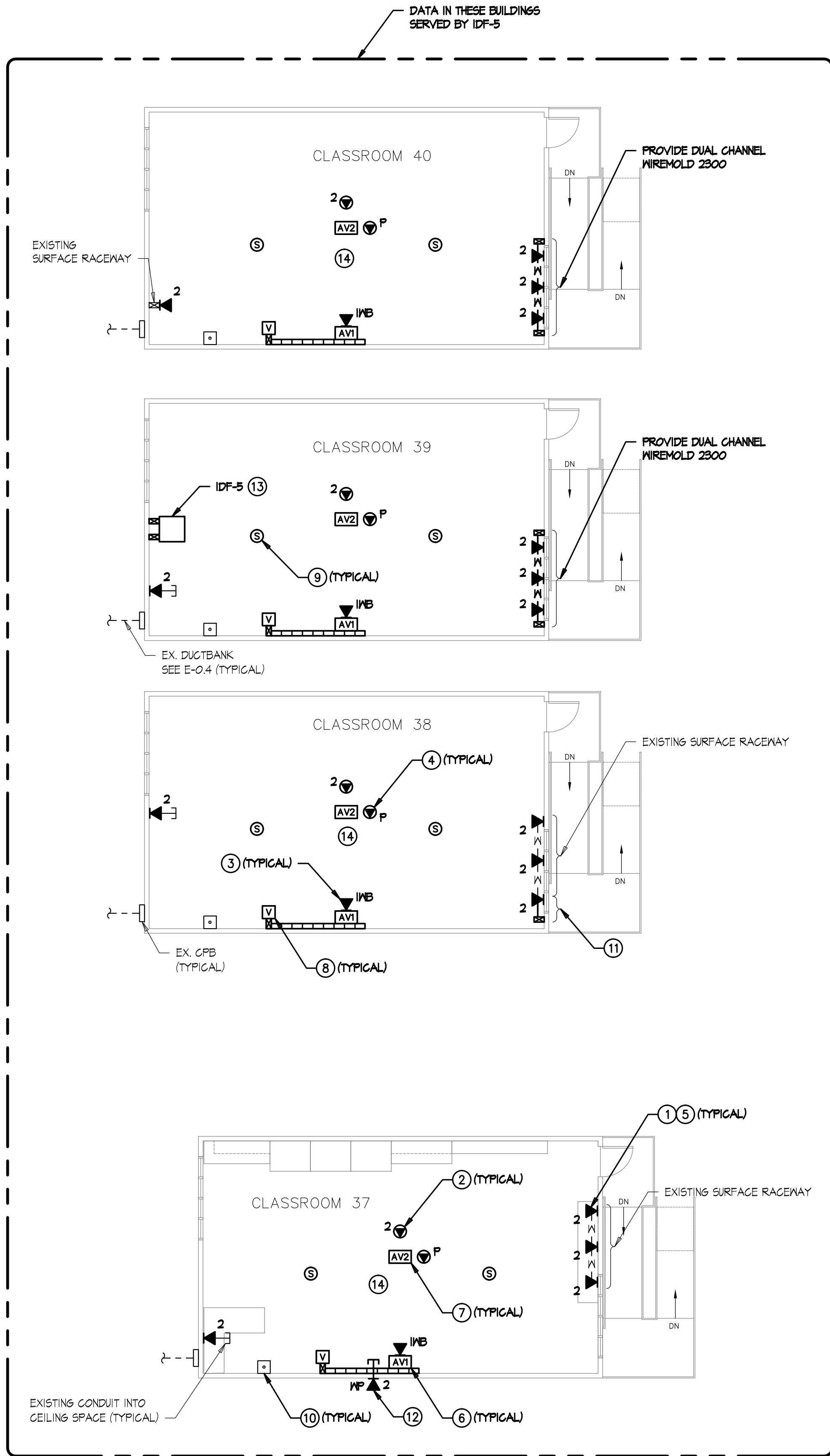
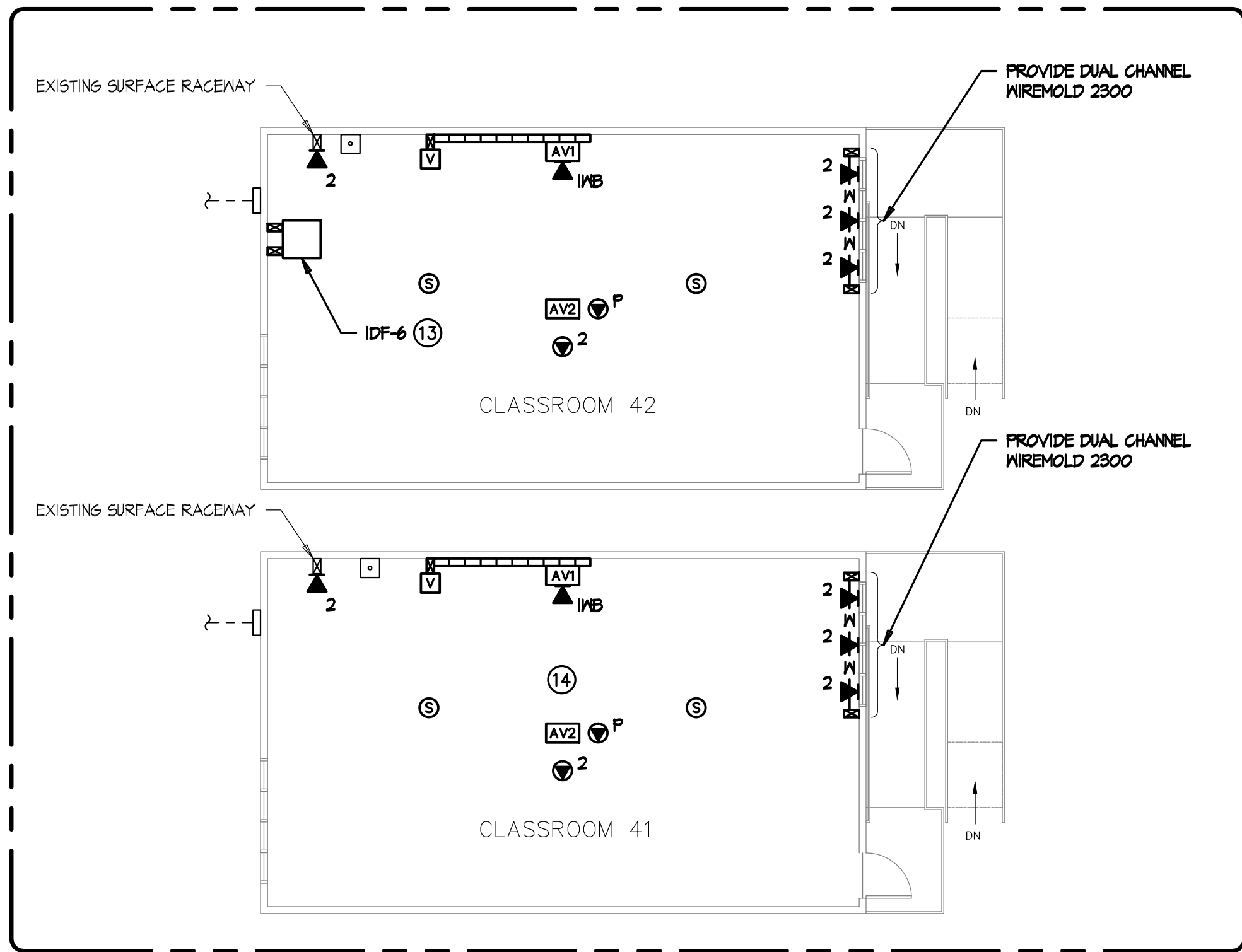
TURPIN & RATTAN
ENGINEERING, INC.
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4719 PALM AVENUE
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E-MAIL: ENGINEER@TREISO.COM
TREI # 12176
V. PHATHANAK 11/16/12 - 9:01 AM



1/8" = 1'-0"



CLASSROOM 29-36 - SIGNAL PLAN

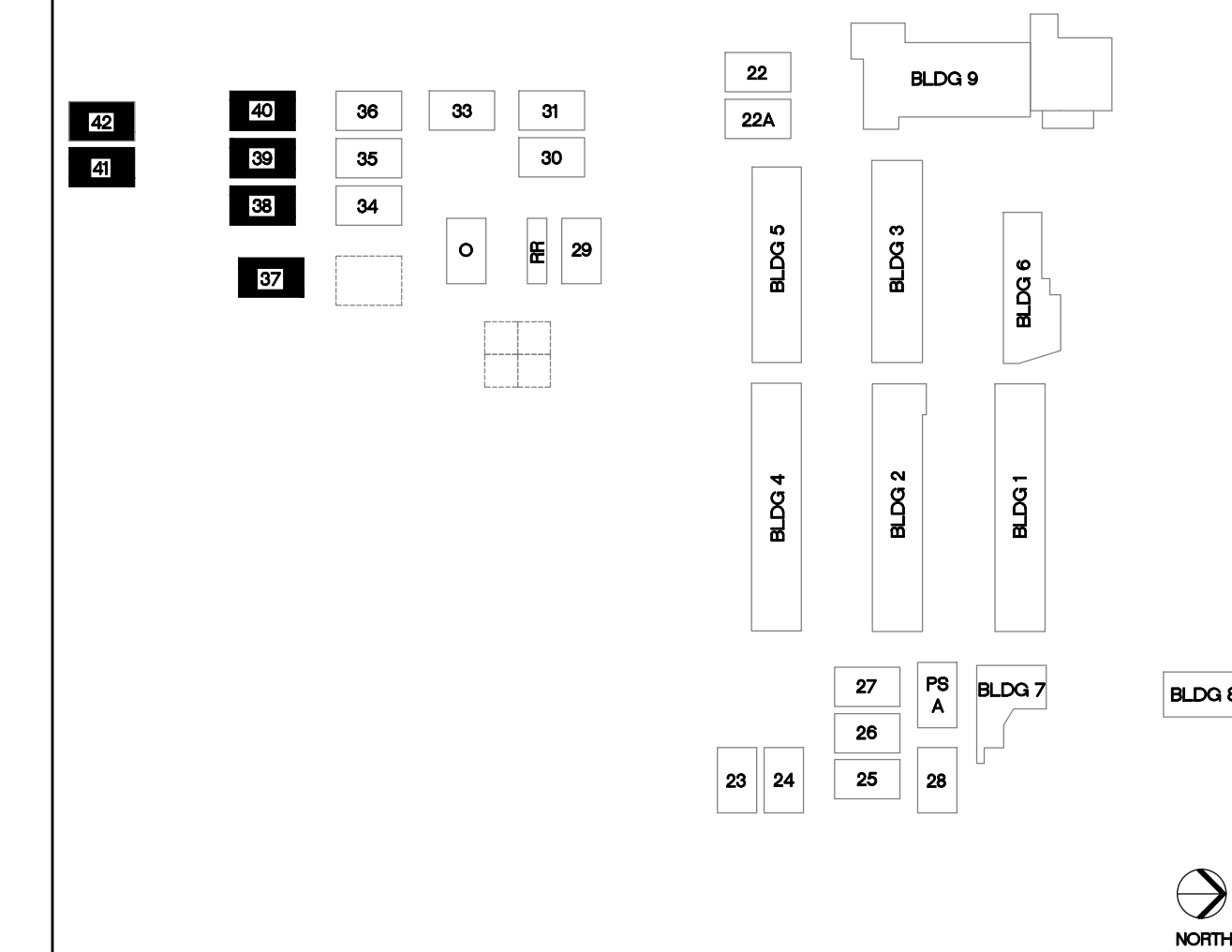


SIGNAL PLAN KEYNOTES

- 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.
- (I) 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.
- (I) 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 B/ET-5.5.
- PROVIDE NEW FACEPLATES, DEVICE BRACKETS (SURFACE RACEWAY) AND OR DEVICE BOXES. SEE DETAIL A/B/ET-5.3 FOR FACEPLATE & LABELING REQUIREMENTS.
- AV1 INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-GANG ENB 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 +45" 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 HANSET), TO REMAIN.
- PROVIDE DUAL CHANNEL WIREMOLD 2300 TO ACCOMMODATE DATA CABLING. COLOR TO MATCH EXISTING (TYPICAL) AT STUDENT WORKSTATIONS)
- DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER.
- SEE A/ET-5.6 FOR INSTALLATION.
- SEE B/ET-5.6 FOR TYPICAL OSP CABLE PATHWAYS. USE EXISTING DUCTBANK FROM IDF FOR OSP CABLE DISTRIBUTION.

GENERAL NOTES

- SEE DATA RISER DIAGRAM ON ET-1.5 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.



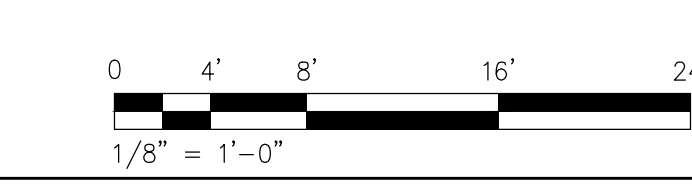
KEYPLAN

TURPIN & RATTAN
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E-MAIL: ENGINEER@TREISO.COM
TREI # 12176
V. PHATHANAK 11/16/12 - 9:01 AM

REGISTERED PROFESSIONAL ENGINEER
DATE: M. PRANCHAK
No. 11533
exp 6/30/2014
ELECTRICAL
STATE OF CALIFORNIA

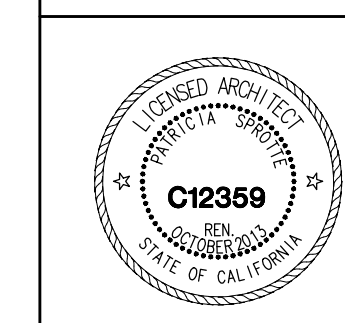
MARK FORTIE, RCDD
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
EXPIRES 12/31/13
Regis. No. 081432

NORTH
1/8" = 1'-0"



CLASSROOM 37-42 - SIGNAL PLAN

SPROTTE WATSON
ARCHITECTURE | PLANNING
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IT UPGRADE YEAR TWO
CHASE ELEMENTARY SCHOOL
CAJON VALLEY UNION SCHOOL DISTRICT
750 E. MAIN ST
EL CAJON, CA 92020

CONSULTANT

APPROVALS

DESCRIPTION

CLASSROOM 37-42 SIGNAL PLAN

DATE

11/16/12

JOB #

12176

SHEET #

E-112