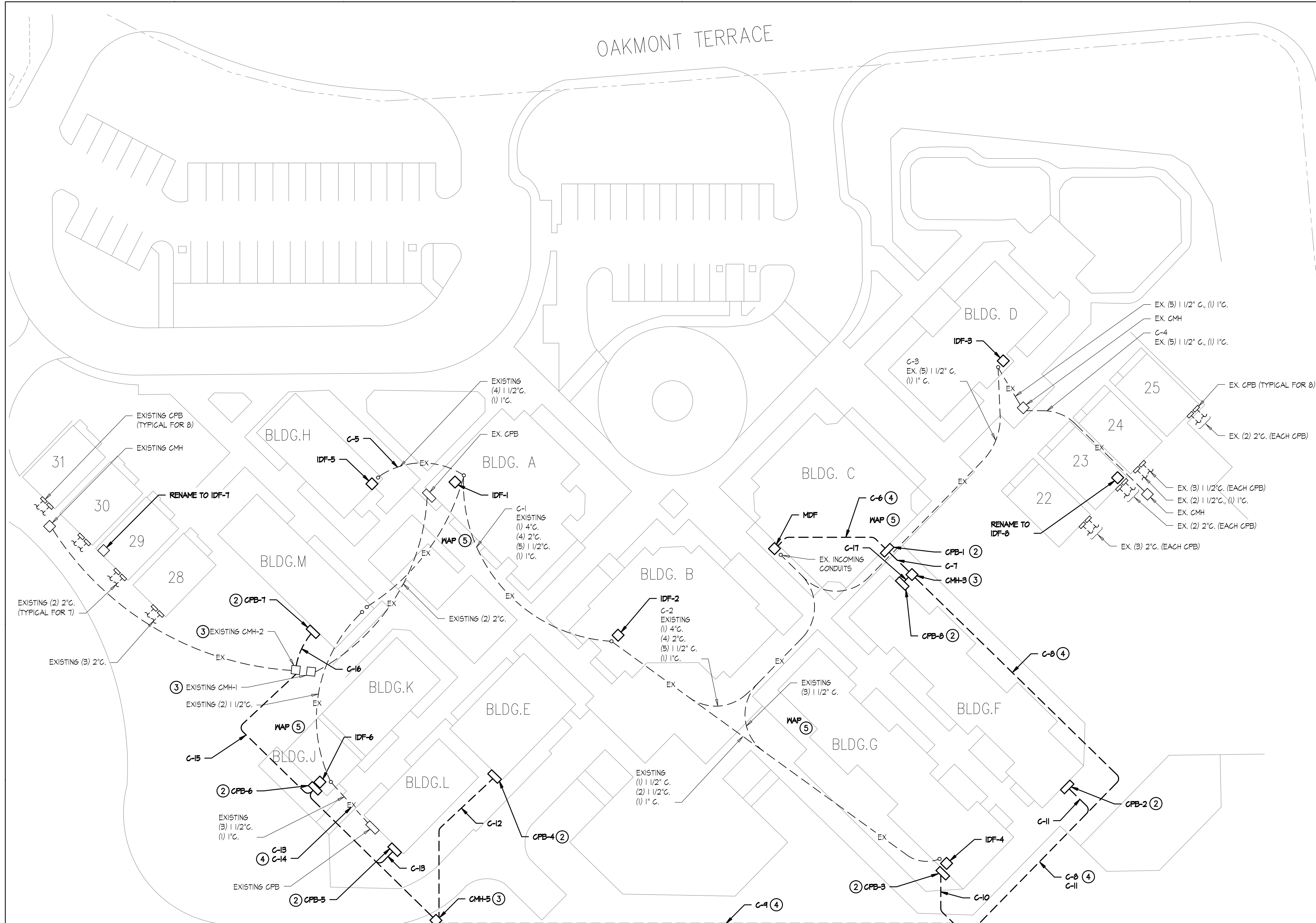


OAKMONT TERRACE



- KEYNOTES**
- CONTRACTOR TO INSPECT CMH (EXISTING) AND CMH-2 (EXISTING) TO DETERMINE WHICH FEEDS PORTABLES 28-31. CONNECT CONDUIT SEGMENT 15 TO THE CMH THAT FEEDS THE PORTABLES TO INTERCEPT THE EXISTING DUCT BANK TO IDF-1. FIBER FEED TO IDF-1 WILL UTILIZE THE EXISTING CMH AND PATHWAY. EXTEND CONDUIT SEGMENT C-16 FROM SAME CMH TO CPB-1.
 - SEE DETAIL D/E-13.2 FOR MOUNTING AND BUILDING ENTRANCE.
 - SEE DETAIL C/ET-5.3 FOR LABELING. SEE DETAIL B/E-13.2.
 - SEE DETAIL F/ET-5.3 FOR CABLE DISTRIBUTION.
 - EXTERIOR WIRELESS ACCESS POINTS. SEE FLOOR PLANS FOR DETAILS.

COMMUNICATION VAULT SCHEDULE

NAME	SIZE
EXISTING CMH-1	2'X3'
EXISTING CMH-2	2'X3'
CMH-3	3' X 5' X 3'
CMH-4	3' X 5' X 3'
CMH-5	3' X 5' X 3'

COMMUNICATIONS DUCT BANK SCHEDULE

CONDUIT SEGMENT NAME	FROM	TO	TOTAL NUMBER OF CONDUITS		
			4"	2"	3"
C-1	MDF	IDF-1			
C-2	MDF	IDF-2			
C-3	MDF	IDF-3			
C-4	MDF	IDF-6			
C-5	MDF	IDF-5			
C-6	MDF	CPB-1		4	
C-7	CPB-1	CMH-3	5	2	
C-8	CMH-3	CMH-4	3	1	
C-9	CMH-4	CMH-5	3	1	
C-10	CMH-4	CPB-3		3	3
C-11	CMH-4	CPB-2		1	2
C-12	CMH-5	CPB-4		1	2
C-13	CMH-3	CPB-5		1	2
C-14	CMH-5	CPB-6		3	3
C-15	CMH-5	①	1	2	3
C-16	①	CPB-7		1	3
C-17	CMH-3	CPB-8		1	3

CONDUIT BREAKDOWN

CONDUIT SEGMENT NAME	FIBER CONDUITS W/3 1/4" INNERDUCTS EA. *			COPPER					GROUND	SPARE
	F1	F2	F3	C1	C2	C3	C4	G		
C-6	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
C-7	4"	4"	-	4"	4"	-	-	2"	4"	
C-8	4"	4"	-	-	-	-	-	2"	4"	
C-9	4"	4"	-	-	-	-	-	2"	4"	
C-10	2"	-	-	3"	3"	3"	-	2"	2"	
C-11	-	-	-	3"	3"	-	-	-	2"	
C-12	-	-	-	3"	3"	-	-	-	2"	
C-13	-	-	-	3"	3"	-	-	-	2"	
C-14	2"	-	-	3"	3"	3"	-	2"	2"	
C-15	4"	-	-	3"	3"	3"	-	2"	2"	
C-16	-	-	-	3"	3"	3"	-	-	2"	
C-17	-	-	-	3"	3"	3"	-	-	2"	

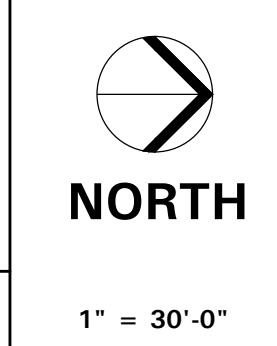
* PROVIDE MAXCELL 2" 3-CELL FABRIC INNERDUCT IN 2" CONDUITS. USE (1) CELL PER CABLE TYPE.

COMMUNICATION PULLBOX SCHEDULE

NAME	SIZE	TYPE
CPB-1	36"SQ. X 12"D	NEMA-3R
CPB-2	18"SQ. X 12"D	NEMA-3R
CPB-3	24"SQ. X 12"D	NEMA-3R
CPB-4	18"SQ. X 12"D	NEMA-3R
CPB-5	18"SQ. X 12"D	NEMA-3R
CPB-6	36"SQ. X 12"D	NEMA-3R
CPB-7	18"SQ. X 12"D	NEMA-3R
CPB-8	18"SQ. X 12"D	NEMA-3R

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.



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TREI # 11341
V.PHATHANAK 04/02/12 - 7:01PM

REGISTERED PROFESSIONAL ENGINEER
STEPHEN J. KORTUM
13554
Exp. 9-30-12
STATE OF CALIFORNIA

REGISTERED COMMERCIAL DESIGNER
BICSI
DISTRIBUTION DESIGNER
EXPIRES 12/31/13
Regis. No. 081432

MARK FORTIE, RCDD

SIGNAL SITE PLAN

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IT UPGRADE
BLOSSOM VALLEY ELEMENTARY
CAJON VALLEY UNION SCHOOL DISTRICT
9863 OAKMONT TERRACE
EL CAJON, CA 92021

CONSULTANT

APPROVALS

DESCRIPTION

SIGNAL SITE PLAN

DATE

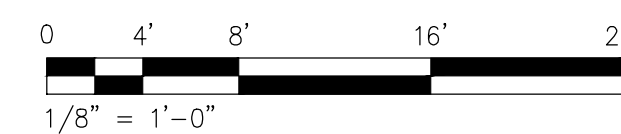
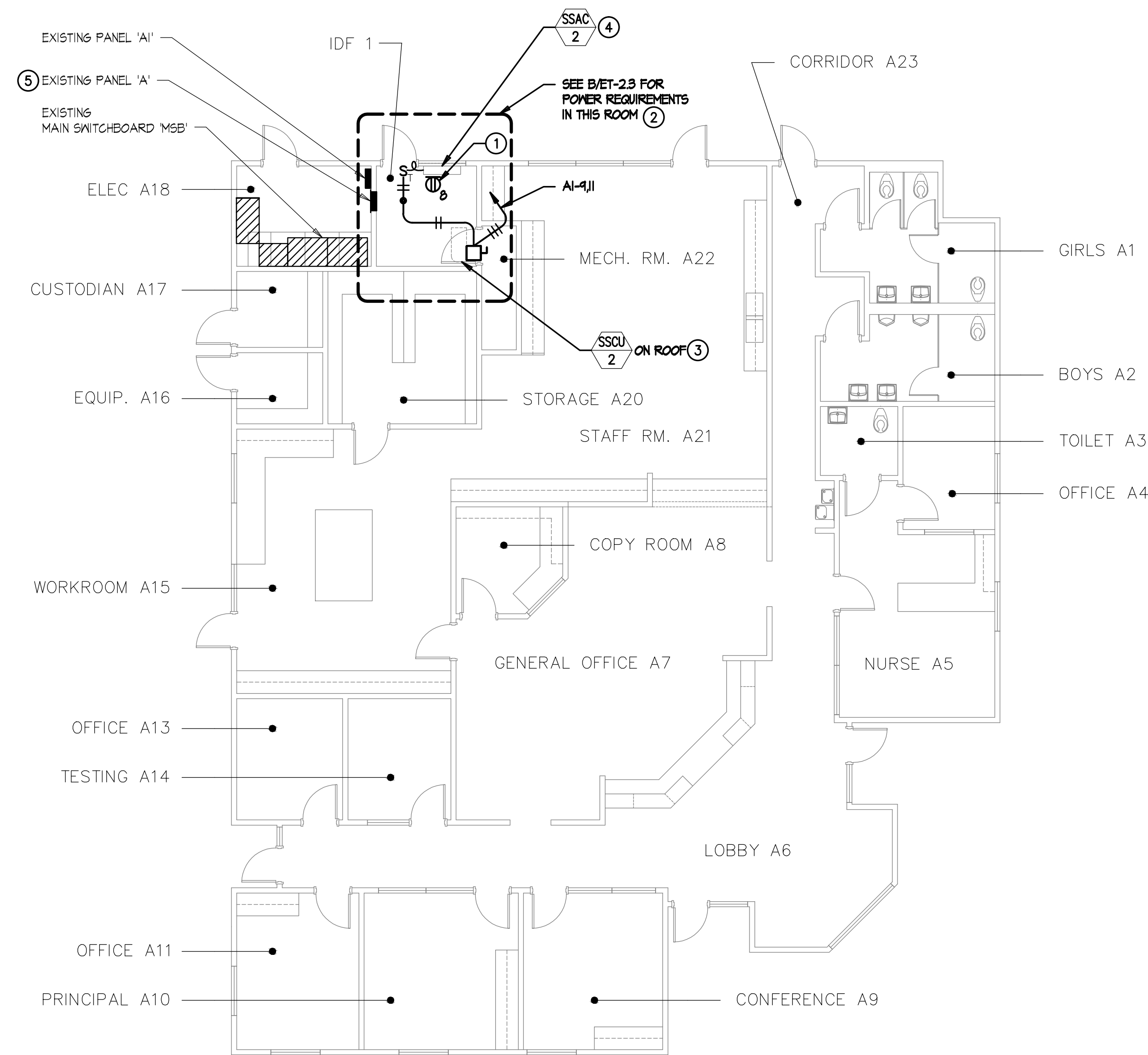
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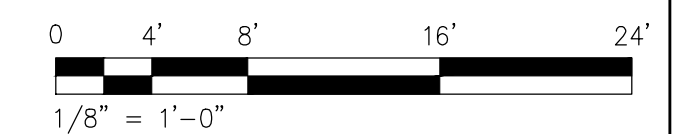
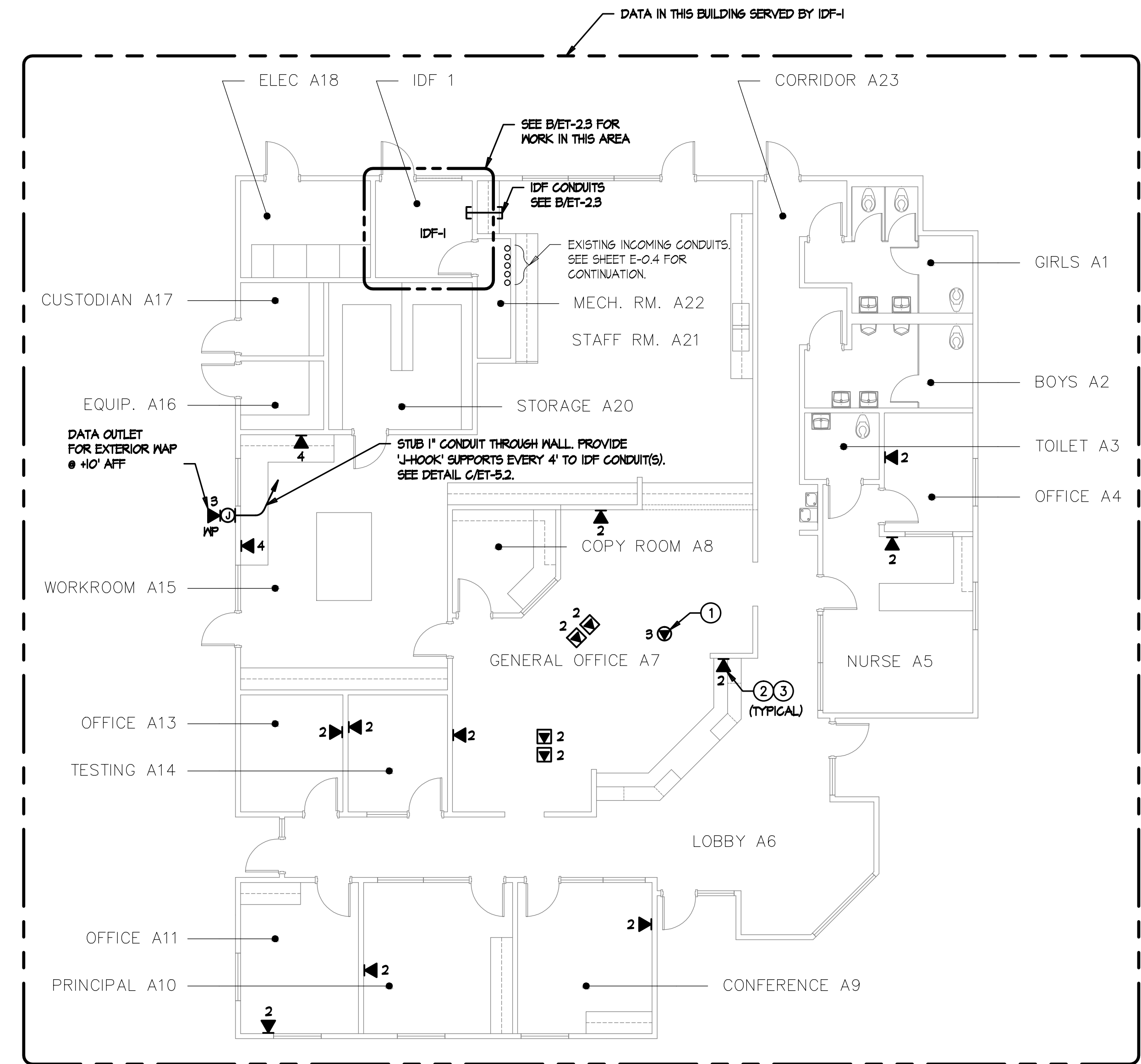
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SHEET #

E-04



BUILDING A - POWER PLAN



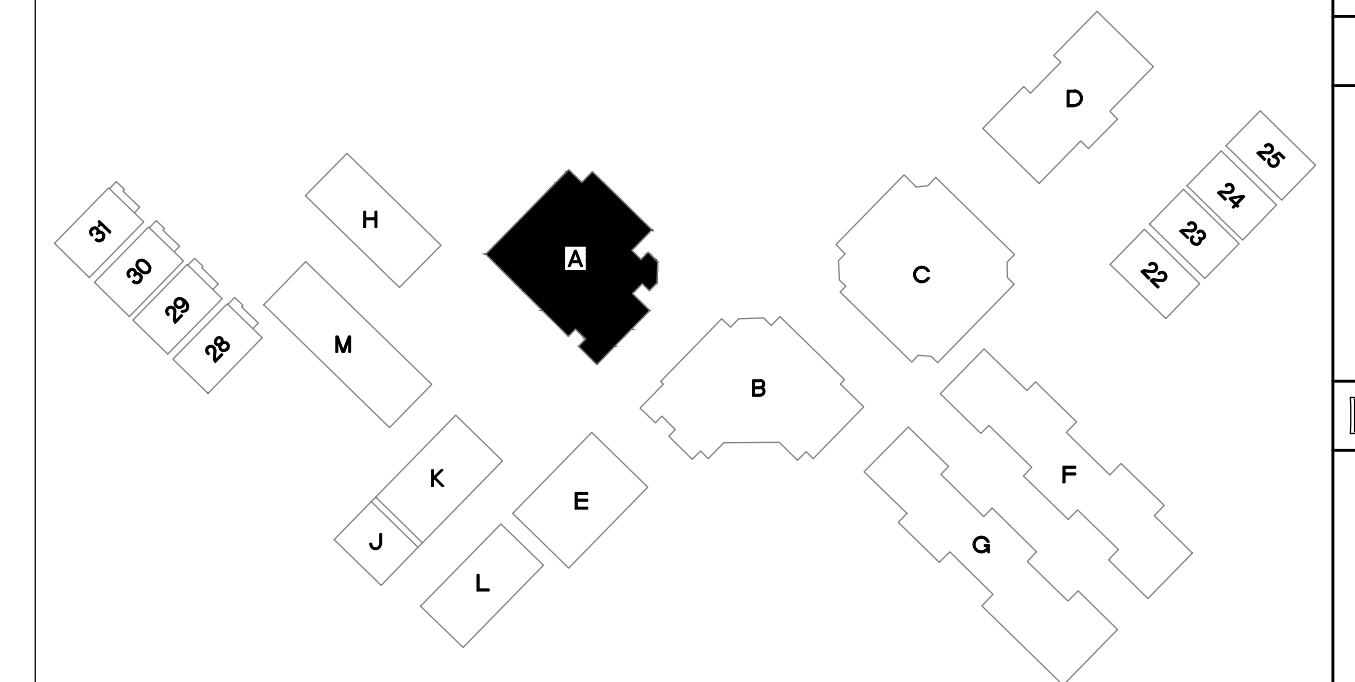
BUILDING A - SIGNAL PLAN

POWER PLAN KEYNOTES

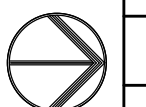
- ① PROVIDE RECEPTACLE NEXT TO FAN COIL UNIT FOR CONDENSATE PUMP CONNECTION. SEE SHEET ET-23 FOR BRANCH CIRCUIT REQUIREMENT.
- ② PROVIDE NEW POWER OUTLETS FOR IDF 1. SEE SHEET ET-23 ADDITIONAL POWER REQUIREMENTS.
- ③ PROVIDE NEMA 3R, 30A/30AF/2P DISCONNECT SWITCH ON ROOF FOR CONDENSING UNIT. PROVIDE 3/4"-3/8" DOWN TO FAN COIL UNIT IN IDF ROOM. PATCH/REPAIR/SEAL ROOF PENETRATION.
- ④ PROVIDE NEMA 1, DPST 208 VOLT MOTOR RATED SWITCH WITH PROTECTION AND FINAL CONNECTION TO FAN COIL UNIT. FAN COIL UNIT POWERED THROUGH CONDENSING UNIT.
- ⑤ SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.

SIGNAL PLAN KEYNOTES

- ① (B) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO IDF CONDUIT(S). SEE DETAIL C/ET-5.2.
- ② CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION AND PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO IDF CONDUIT(S). SEE DETAIL C/ET-5.2. SEE RISER DIAGRAM A/ET-13 FOR DETAILS.
- ③ SEE A/B/ET-53 FOR LABELING DETAILS.



KEYPLAN



NTS

<p>NORTH</p> <p>1/8" = 1'-0"</p>	<p>TURPIN & RATTAN ENGINEERING, INC. CONSULTING ELECTRICAL ENGINEERS 4719 PALM AVENUE LA MESA, CA 91941-5221 619-466-1622 FAX 619-466-1623 E-MAIL: ENGINEER@TREISO.COM</p> <p>TREI # 11341 V.PHATHANAK 04/02/12 - 7:01PM</p>		<p>MARK FORTIE, RCDD EXPIRES 12/31/13 Regis. No. 081432</p>

CONSULTANT

APPROVALS

DESCRIPTION

**BUILDING A
POWER &
SIGNAL PLANS**

DATE

04-05-2012

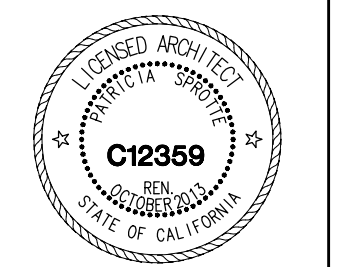
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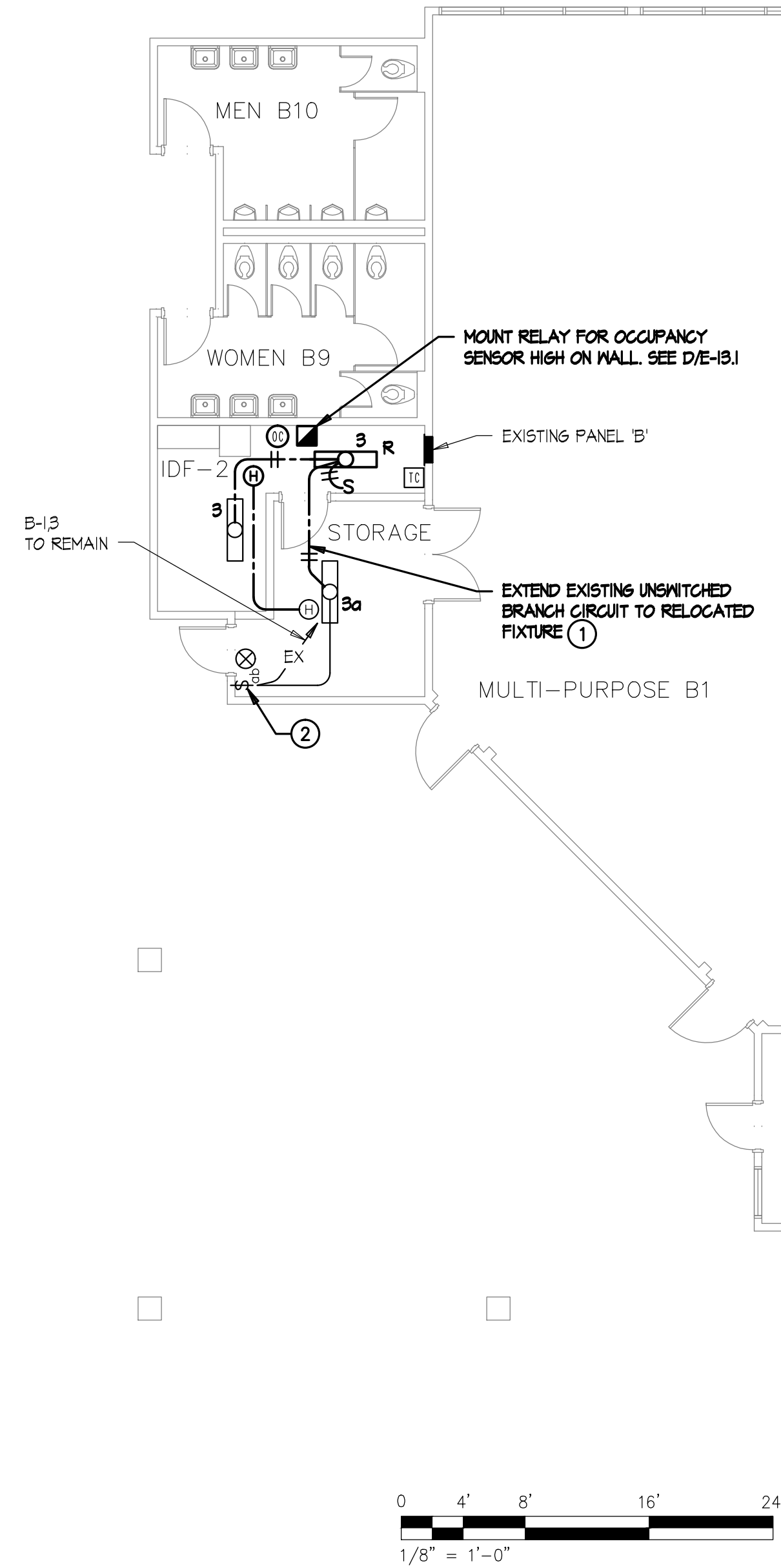
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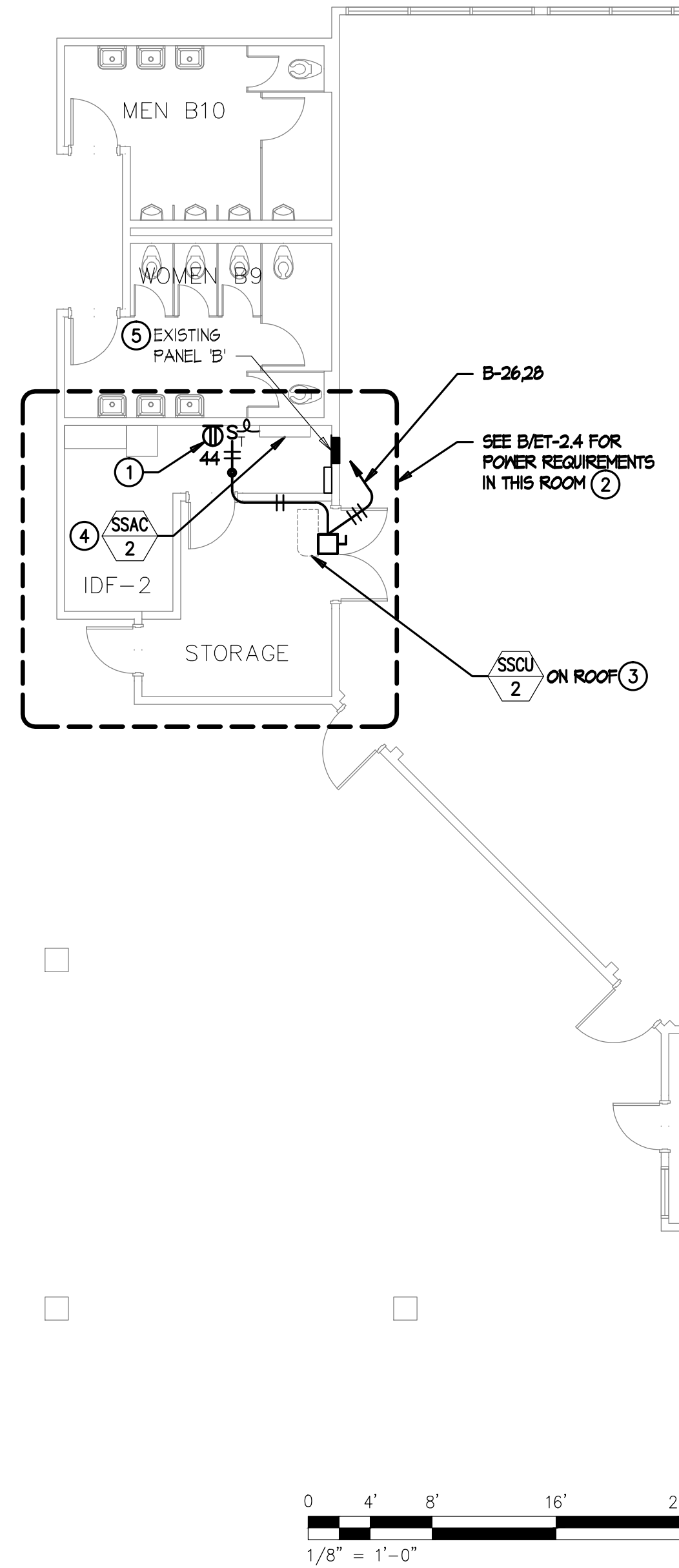


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CAJON VALLEY UNION SCHOOL DISTRICT
9863 OAKMONT TERRACE
EL CAJON, CA 92021

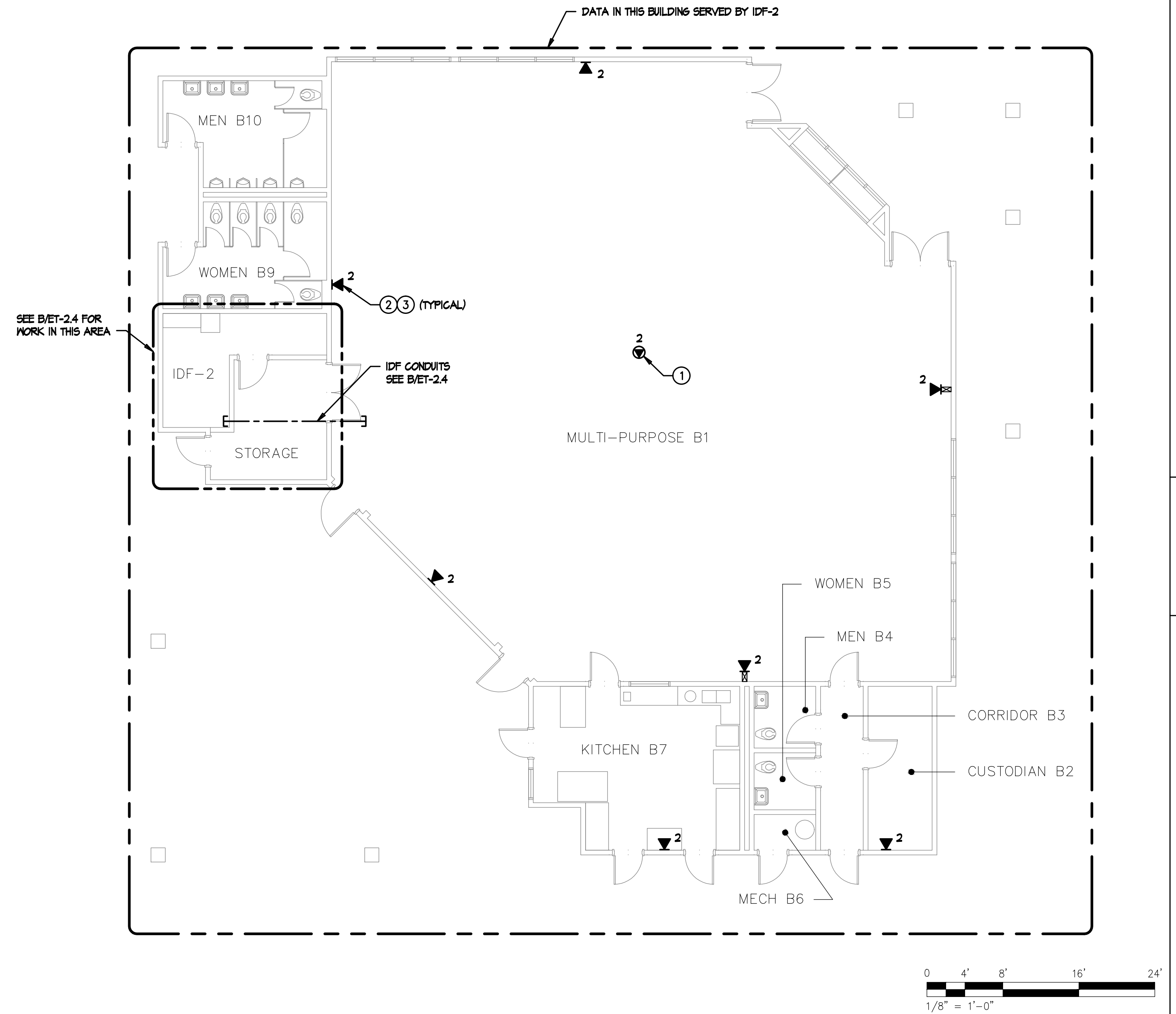
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BUILDING B - LIGHTING PLAN



BUILDING B - POWER PLAN



BUILDING B - SIGNAL PLAN

LIGHTING PLAN KEYNOTES

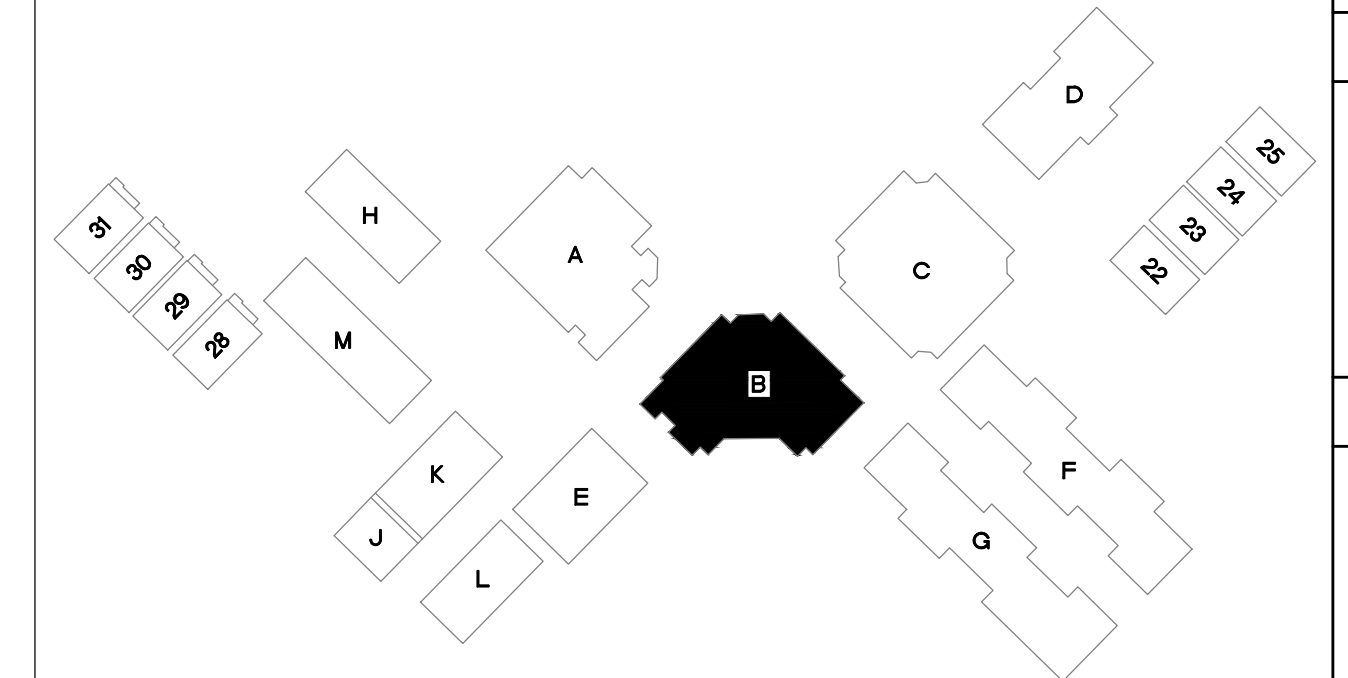
- ① FIELD VERIFY EXACT LOCATION OF UNSWITCHED BRANCH CIRCUIT PRIOR TO DOING WORK.
- ② DISABLE AND SAFE-OFF WALL SWITCH 'b' IN BOX.

POWER PLAN KEYNOTES

- ① PROVIDE RECEPTACLE NEXT TO FAN COIL UNIT FOR CONDENSATE PUMP CONNECTION. SEE SHEET ET-2.4 FOR BRANCH CIRCUIT REQUIREMENT.
- ② PROVIDE NEW POWER OUTLETS FOR IDF 2. SEE SHEET ET-2.4 ADDITIONAL POWER REQUIREMENTS.
- ③ PROVIDE NEMA 3R, 30AS/30AF/2P DISCONNECT SWITCH ON ROOF FOR CONDENSING UNIT. PROVIDE 3/4"-3/4"2 DOWN TO FAN COIL UNIT IN IDF ROOM. PATCH/REPAIR/SEAL ROOF PENETRATION.
- ④ PROVIDE NEMA 1, DPST 208 VOLT MOTOR RATED SWITCH WITH PROTECTION AND FINAL CONNECTION TO FAN COIL UNIT. FAN COIL UNIT POWERED THROUGH CONDENSING UNIT.
- ⑤ SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.

SIGNAL PLAN KEYNOTES

- ① (3) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO IDF CONDUIT(S). SEE DETAIL G/ET-5.2.
- ② CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEMAY FOR INSTALLATION AND PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO IDF CONDUIT(S). SEE DETAIL G/ET-5.2. SEE RISER DIAGRAM A/ET-1.3 FOR DETAILS.
- ③ SEE A/B/ET-5.3 FOR LABELING DETAILS.



KEYPLAN

NTS

<p>NORTH</p> <p>1/8" = 1'-0"</p>	<p>TURPIN & RATTAN ENGINEERING, INC.</p> <p>CONSULTING ELECTRICAL ENGINEERS 4719 PALM AVENUE LA MESA, CA 91941-5221 619-466-1622 FAX 619-466-1623 E-MAIL: ENGINEER@TREISO.COM</p> <p>TREI # 11341 V.PHATHANAK 04/02/12 - 7:01PM</p>	<p>REGISTERED PROFESSIONAL ENGINEER STEPHEN J. KORTMAN 13554 Exp. 9-30-12 Regis. No. 081432</p>	<p>MARK FORTIE, RCDD REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER EXPIRES 12/31/13 Regis. No. 081432</p>

CONSULTANT

APPROVALS

DESCRIPTION

**BUILDING B
LIGHTING,
POWER &
SIGNAL PLANS**

DATE

04-05-2012

JOB #

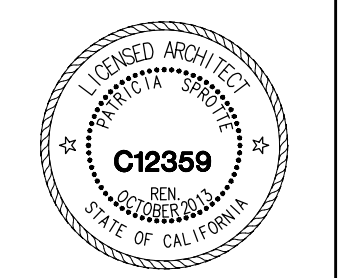
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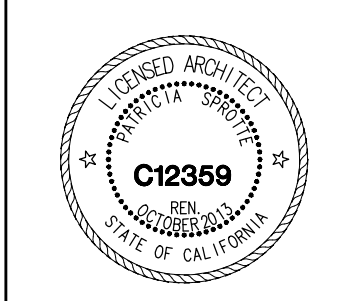
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9863 OAKMONT TERRACE
EL CAJON, CA 92021



CONSULTANT

APPROVALS

DESCRIPTION

BUILDING C
POWER &
SIGNAL PLANS

DATE

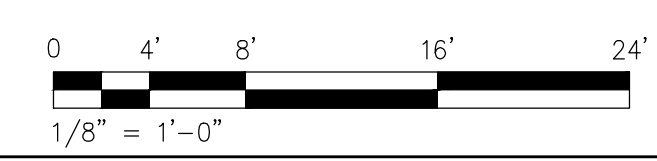
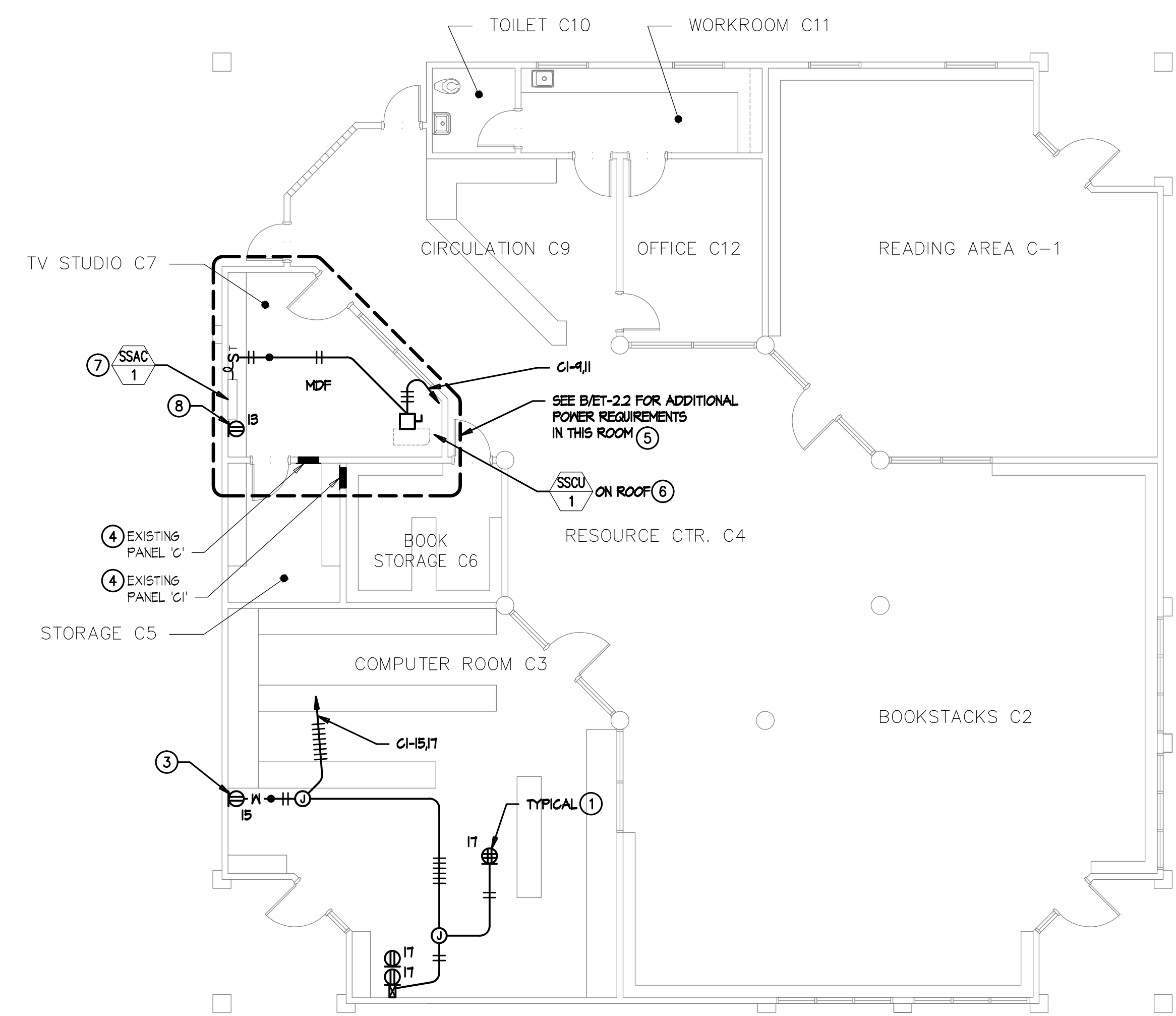
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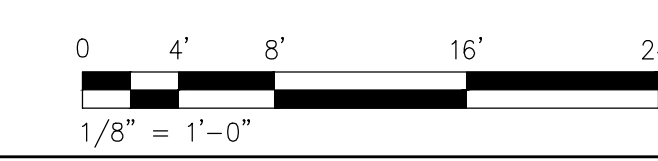
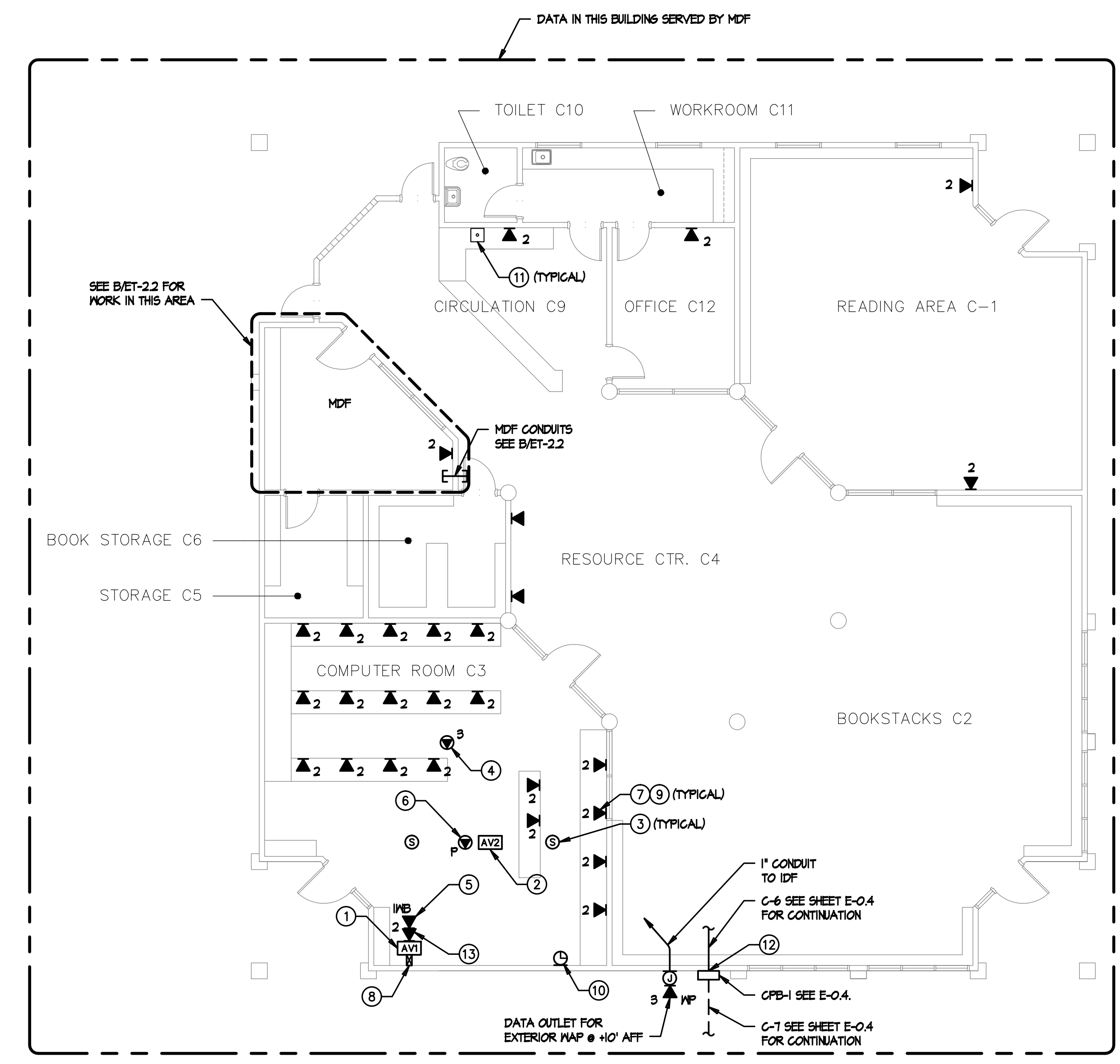
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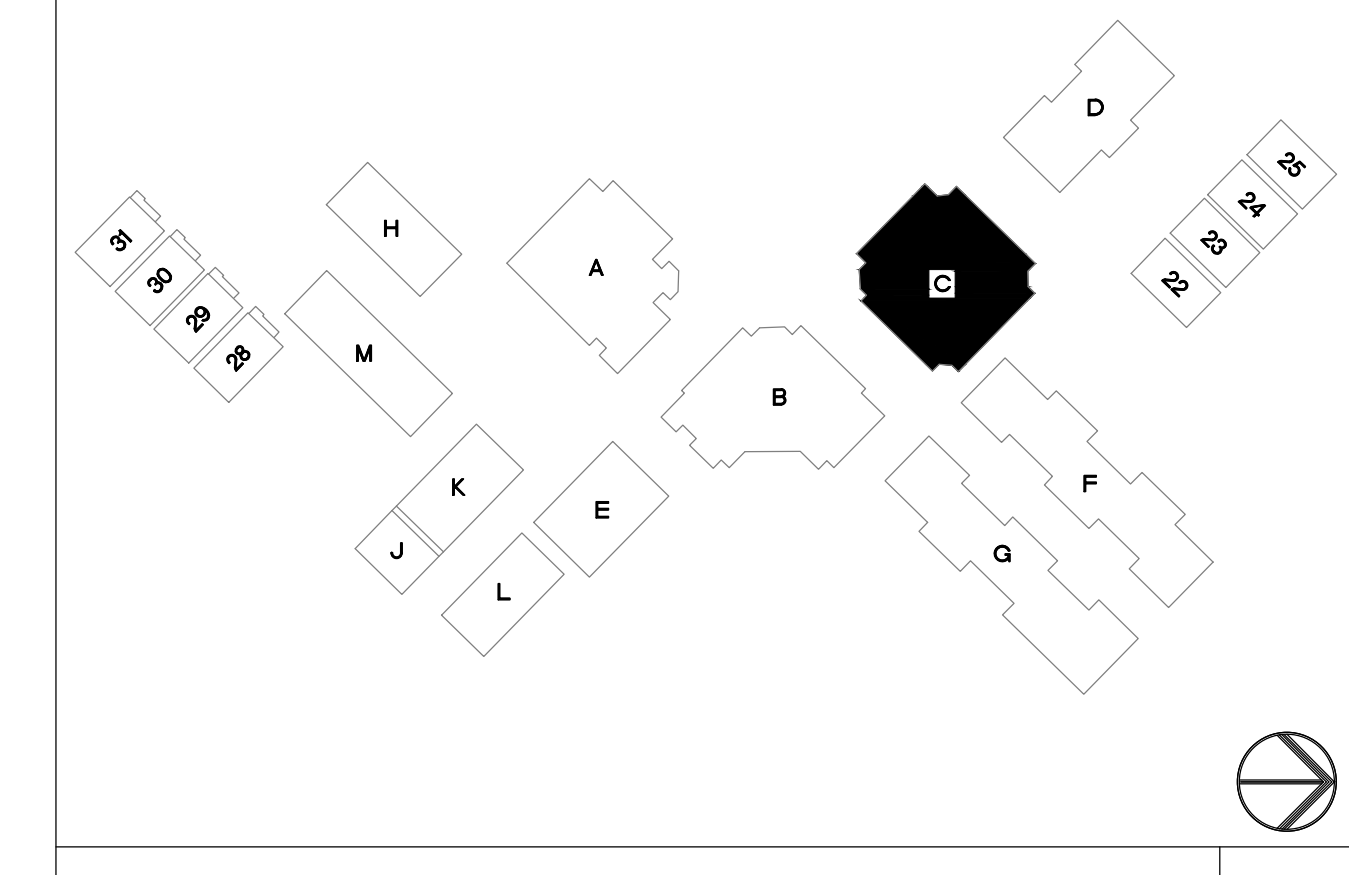
BUILDING C - POWER PLAN



BUILDING C - SIGNAL PLAN

- POWER PLAN KEYNOTES**
- MOUNT DOUBLE DUPLEX OUTLET IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
 - NOT USED.
 - PROVIDE RECEPTACLE MOUNTED AT +18" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT. USE WIREMOLD 2400 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS.
 - SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
 - PROVIDE NEW POWER OUTLETS FOR MDF. SEE SHEET ET-2.2 ADDITIONAL POWER REQUIREMENTS.
 - PROVIDE NEMA 3R, 30A/50A/75P DISCONNECT SWITCH ON ROOF FOR CONDENSING UNIT. PROVIDE 3/4"-3/4" DOWN TO FAN COIL UNIT IN MDF ROOM. PATCH/REPAIR/SEAL ROOF PENETRATION.
 - PROVIDE NEMA 1, DPST 200 VOLT MOTOR RATED SWITCH AND FINAL CONNECTION TO FAN COIL UNIT. FAN COIL UNIT POWERED THROUGH CONDENSING UNIT.
 - PROVIDE RECEPTACLE NEXT TO FAN COIL UNIT FOR CONDENSATE PUMP CONNECTION. SEE SHEET ET-2.2 FOR BRANCH CIRCUIT REQUIREMENT.

- SIGNAL PLAN KEYNOTES**
- AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +18" AFF. SEE ET-5.4 FOR DETAILS.
 - AV2 OUTLET MOUNTED AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & ET-5.5 FOR DETAILS.
 - AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 & ET-5.5 FOR DETAILS.
 - (B) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'U-HOOK' SUPPORTS EVERY 4' TO MDF CONDUIT(S). SEE DETAIL C/ET-5.2.
 - (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD.
 - (I) PORT CATEGORY 6 DATA OUTLET AT PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
 - (2) PORT CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO MDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION AND PROVIDE 'U-HOOK' SUPPORTS EVERY 4' TO MDF CONDUIT(S). SEE DETAIL C/ET-5.2. SEE RISER DIAGRAM A/ET-1.3 FOR DETAILS.
 - NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-6GANG EMB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL B/ET-5.5.
 - SEE A/B/ET-5.9 FOR LABELING DETAILS.
 - DISTRICT INSTALLED GPS/SATELLITE CLOCK.
 - EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
 - PENETRATE OUTSIDE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. CAULK PENETRATION TO MAINTAIN WALL RATING.
 - TEACHER'S DATA OUTLET.



KEYPLAN

NORTH

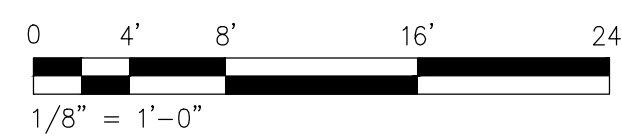
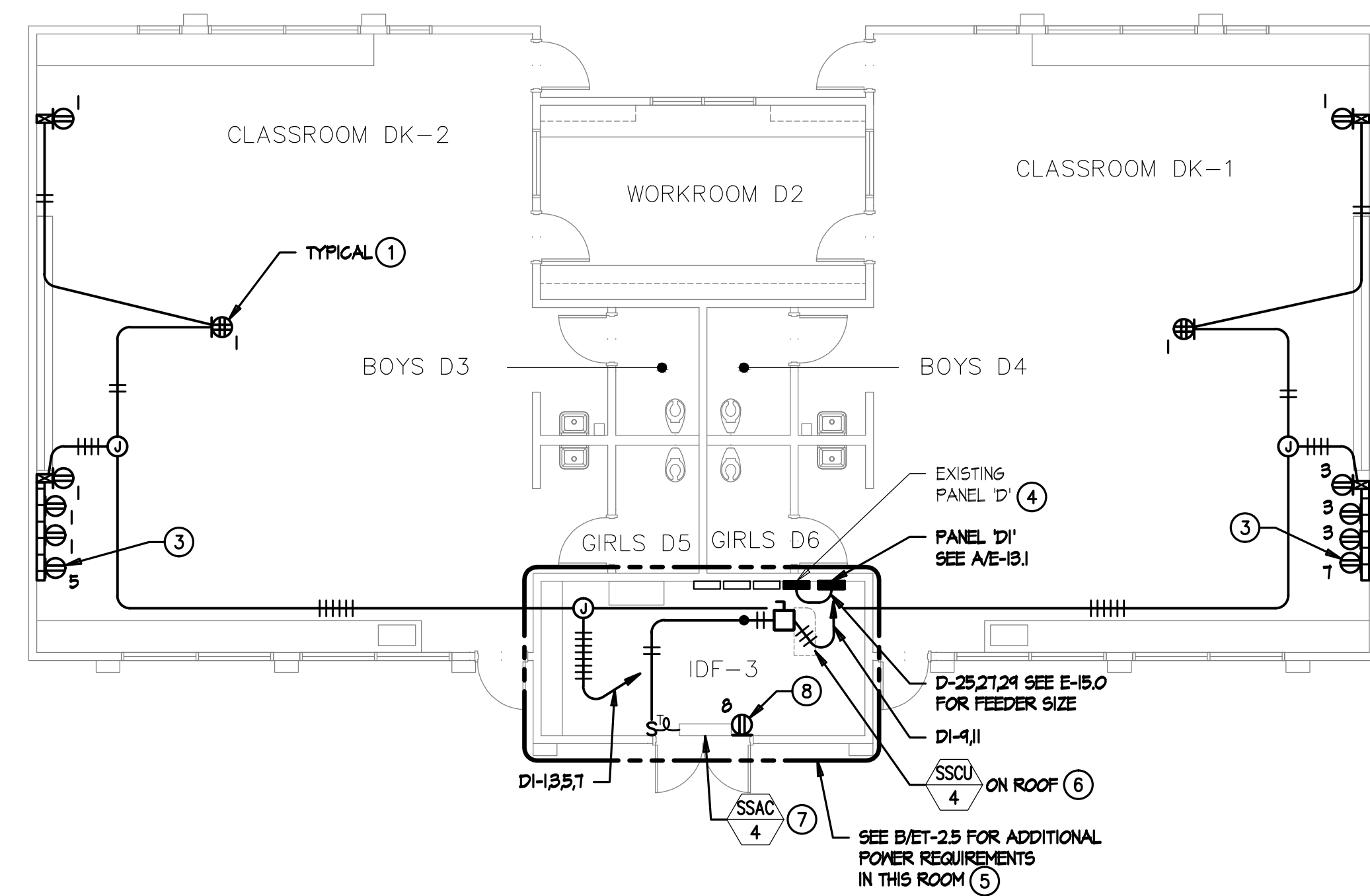
1/8" = 1'-0"

TURPIN & RATTAN
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CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619-466-1622 FAX 619-466-16233
E-MAIL: ENGINEER@TRSDO.COM
TREI # 11341
V.PHATHANAK 04/02/12 - 7:02PM

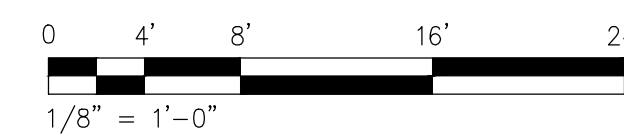
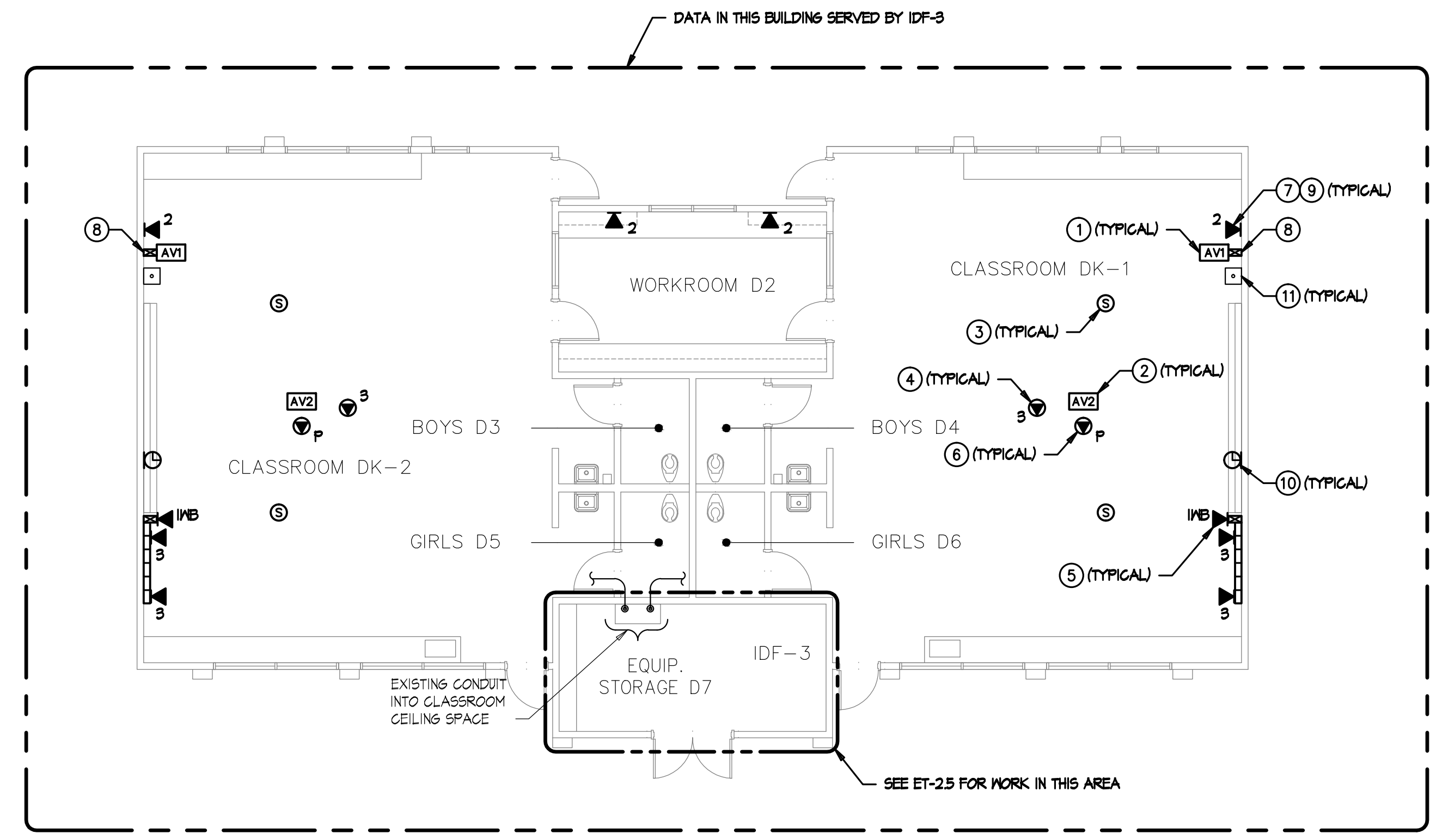
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STATE OF CALIFORNIA

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

04/02/12



BUILDING D - POWER PLAN



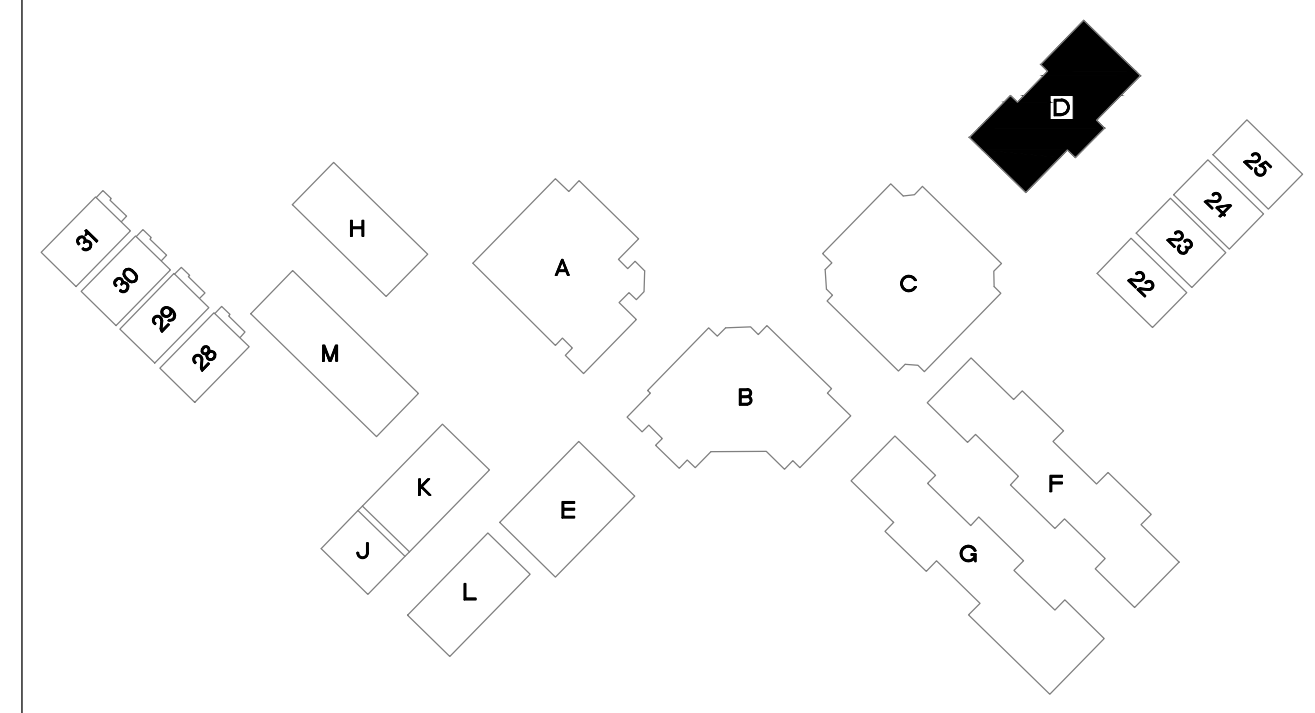
BUILDING D - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① MOUNT DOUBLE DUPLEX OUTLET IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
- ② NOT USED.
- ③ PROVIDE RECEPTACLE MOUNTED WITHIN WIREMOLD RACEMAY AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT. USE WIREMOLD 2400 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS.
- ④ SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- ⑤ PROVIDE NEW POWER OUTLETS FOR IDF. SEE SHEET ET-2.5 ADDITIONAL POWER REQUIREMENTS.
- ⑥ PROVIDE NEMA 3R, 30AS/30AF/2P DISCONNECT SWITCH ON ROOF FOR CONDENSING UNIT. PROVIDE 3/4\"-3/4\" DOWN TO FAN COIL UNIT IN IDF ROOM. PATCH/REPAIR/SEAL ROOF PENETRATION.
- ⑦ PROVIDE NEMA 1, DPST 200 VOLT MOTOR RATED SWITCH AND FINAL CONNECTION TO FAN COIL UNIT. FAN COIL UNIT POWERED THROUGH CONDENSING UNIT.
- ⑧ PROVIDE RECEPTACLE NEXT TO FAN COIL UNIT FOR CONDENSATE PUMP CONNECTION. SEE SHEET ET-2.5 FOR BRANCH CIRCUIT REQUIREMENT.

SIGNAL KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT 10\" AFF. SEE ET-5.4 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT CEILING MOUNTED PROJECTOR LOCATION AT. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- ③ AUDIOVISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- ④ (S) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO CONDUIT FEEDING CLASSROOM. SEE DETAIL C/ET-5.2.
- ⑤ (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD.
- ⑥ (I) PORT CATEGORY 6 DATA OUTLET AT PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- ⑦ CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEMAY FOR INSTALLATION AND PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO CONDUIT FEEDING CLASSROOM. SEE DETAIL C/ET-5.2. SEE RISER DIAGRAM A/ET-1.3 FOR DETAILS.
- ⑧ NEW MULTI-CHANNEL SURFACE RACEMAY INTO CEILING SPACE. PROVIDE EXTRON 2-6ANG ENB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL A/ET-5.5.
- ⑨ SEE A/B/ET-5.3 FOR LABELING DETAILS.
- ⑩ DISTRICT INSTALLED GPS/SATELLITE CLOCK.
- ⑪ EXISTING PHONE (BOGEN HANDSET), TO REMAIN.



KEYPLAN

NORTH

1/8" = 1'-0"

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V.PHATHANAK 04/02/12 - 7:02PM

REGISTERED PROFESSIONAL ENGINEER
STEPHEN J. KURTZMAN
13554
Exp. 9-30-12
STATE OF CALIFORNIA

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



CONSULTANT

APPROVALS

DESCRIPTION

**BUILDING D
POWER &
SIGNAL PLANS**

DATE

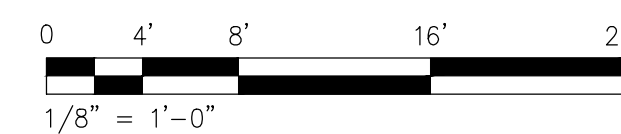
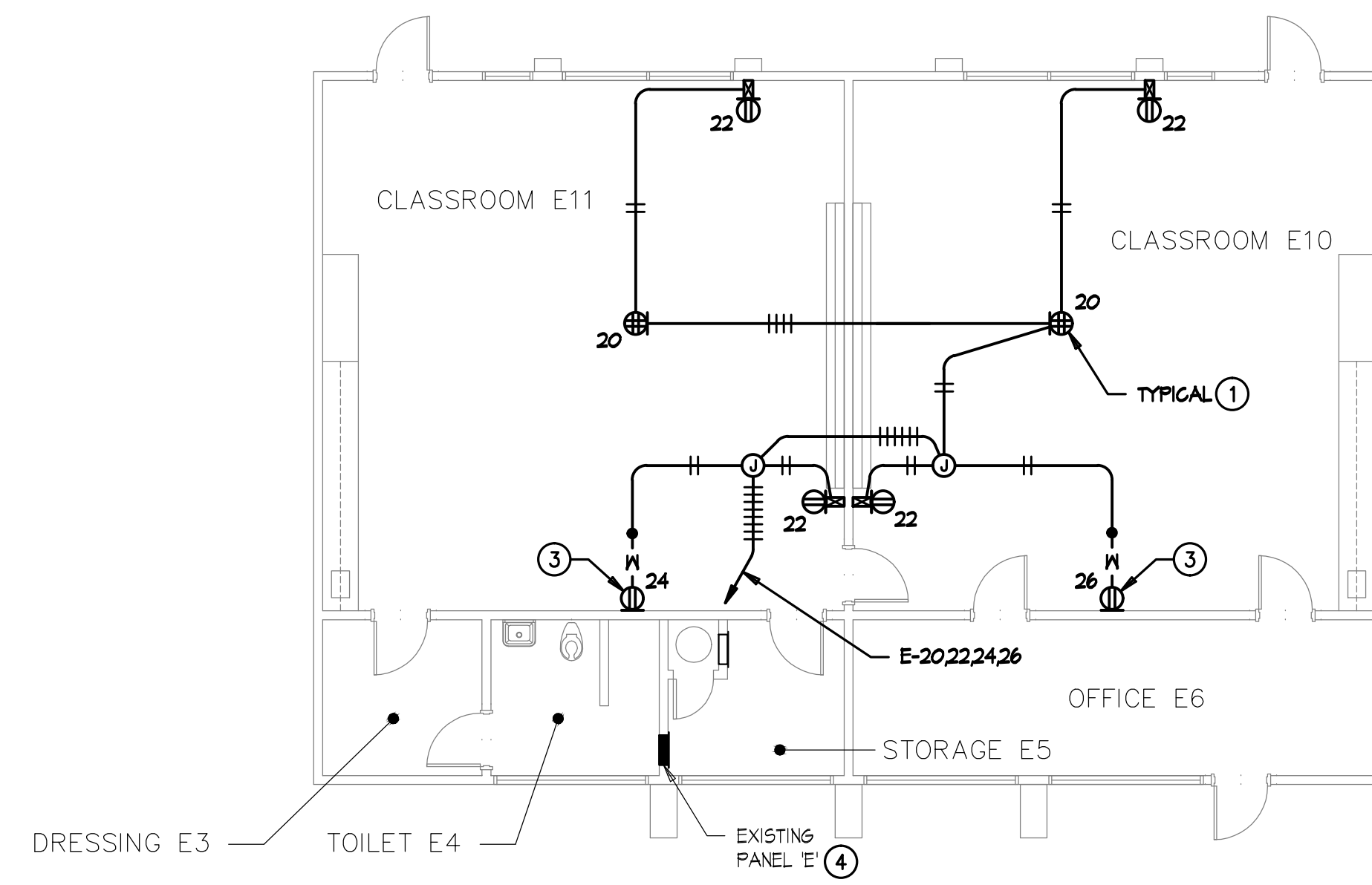
04-05-2012

JOB #

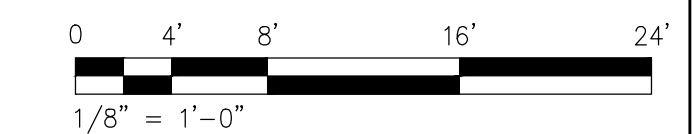
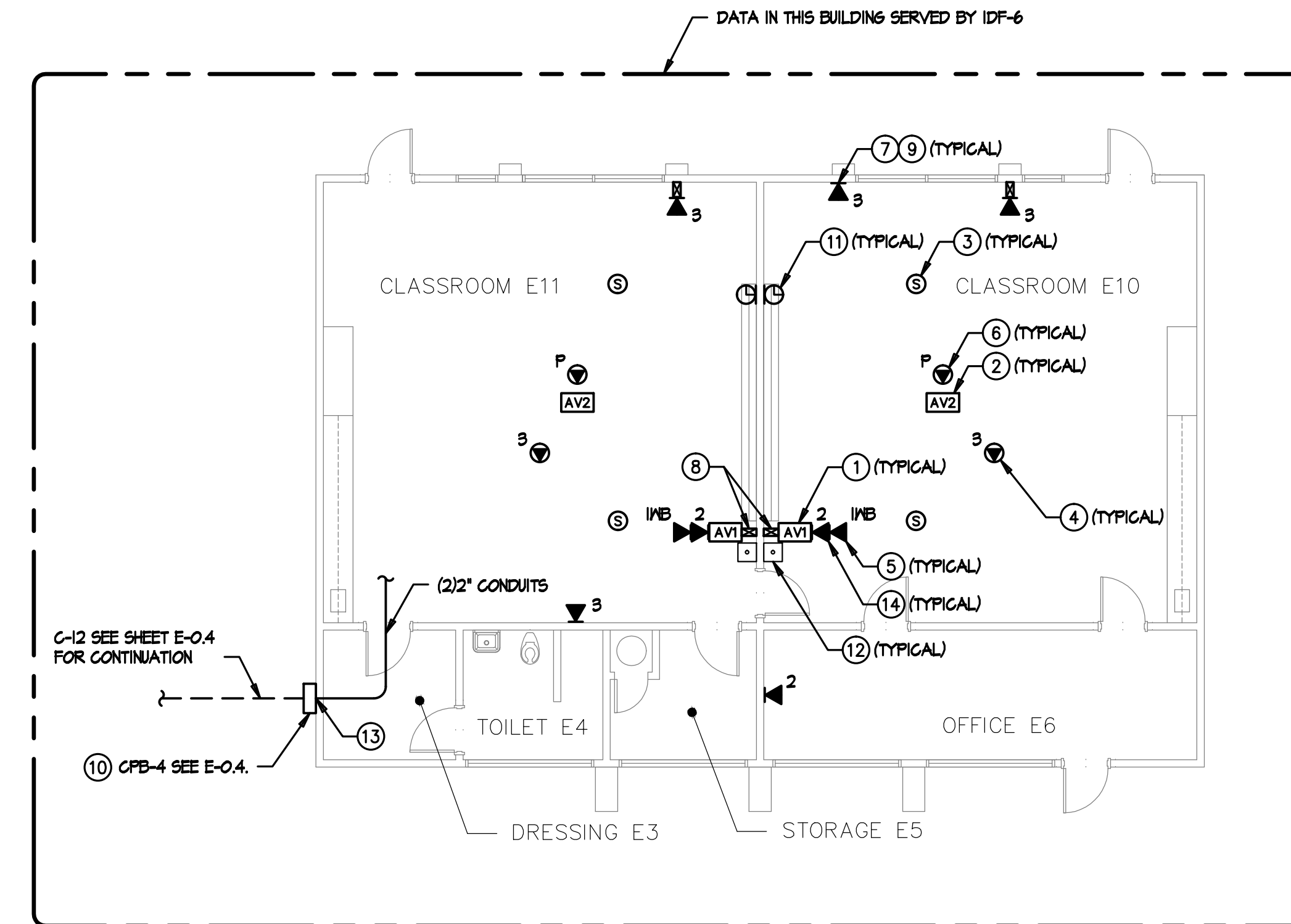
11341

SHEET #

E-4.1



BUILDING E - POWER PLAN



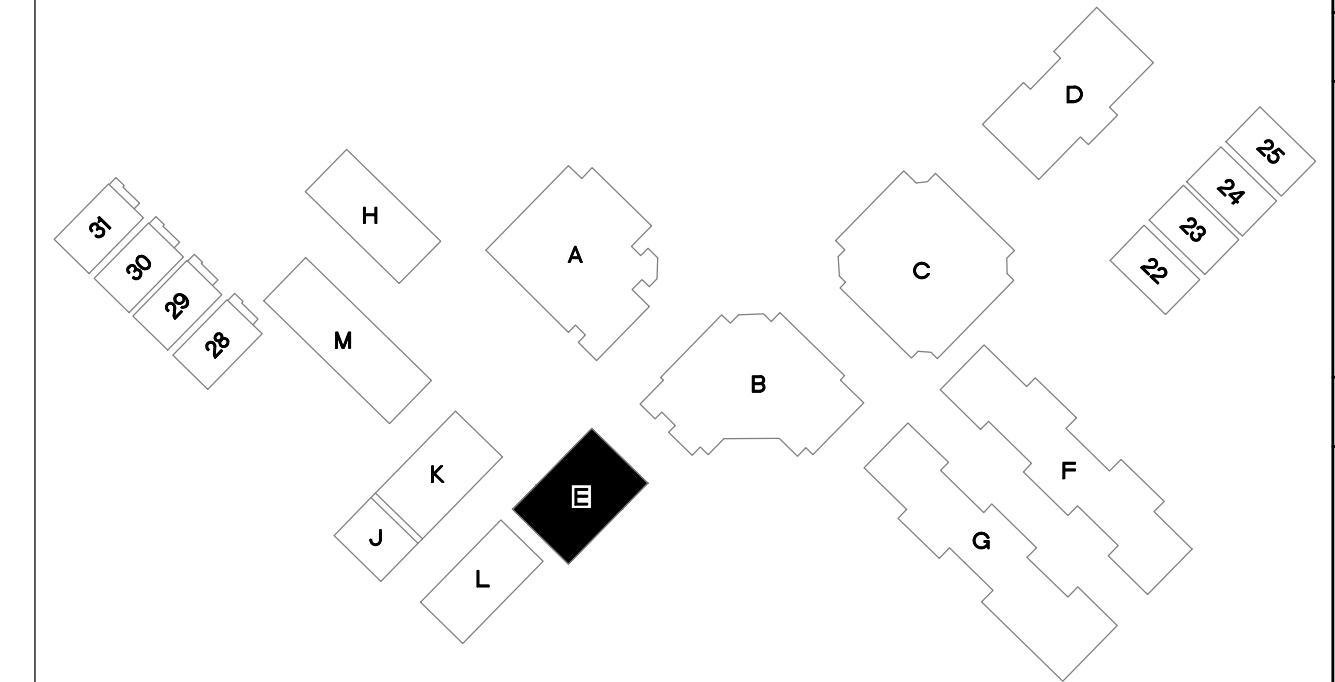
BUILDING E - SIGNAL PLAN

POWER PLAN KEYNOTES

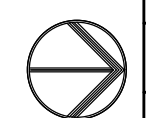
- ① MOUNT DOUBLE DUPLEX OUTLET IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
- ② NOT USED.
- ③ PROVIDE RECEPTACLE MOUNTED AT +18" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT. USE WIREMOLD 2400 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS.
- ④ SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.

SIGNAL PLAN KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +18" AFF. SEE ET-5.4 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- ④ (B) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK.
- ⑤ (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD.
- ⑥ (I) PORT CATEGORY 6 DATA OUTLET AT PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- ⑦ CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION. SEE RISER DIAGRAM A/ET-1.3 FOR DETAILS.
- ⑧ NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-GANG ENB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL A/ET-5.5.
- ⑨ SEE A/B/ET-5.3 FOR LABELING DETAILS.
- ⑩ SEE D/ET-5.3 FOR LABELING DETAILS.
- ⑪ DISTRICT INSTALLED GPS/SATELLITE CLOCK.
- ⑫ EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- ⑬ PENETRATE OUTSIDE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. SEE DETAIL D/E-13.2. CAULK PENETRATION TO MAINTAIN WALL RATINGS. SEE DETAIL A/ET-5.2 FOR TYPICAL CONNECTION TO HORIZONTAL PATHWAYS.
- ⑭ TEACHER'S DATA OUTLET.



KEYPLAN



NTS

<p>NORTH</p> <p>1/8" = 1'-0"</p>	<p>TURPIN & RATTAN ENGINEERING, INC.</p> <p>CONSULTING ELECTRICAL ENGINEERS 4719 PALM AVENUE LA MESA, CA 91941-5221 619-466-1622 FAX 619-466-16233 E-MAIL: ENGINEER@TREISO.COM</p> <p>TREI # 11341 V.PHATHANAK 04/02/12 - 7:02PM</p>			<p>MARK FORTIE, RCDD</p>

CONSULTANT

APPROVALS

DESCRIPTION

**BUILDING E
POWER &
SIGNAL PLANS**

DATE

04-05-2012

JOB #

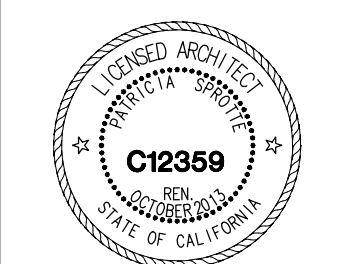
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SHEET #

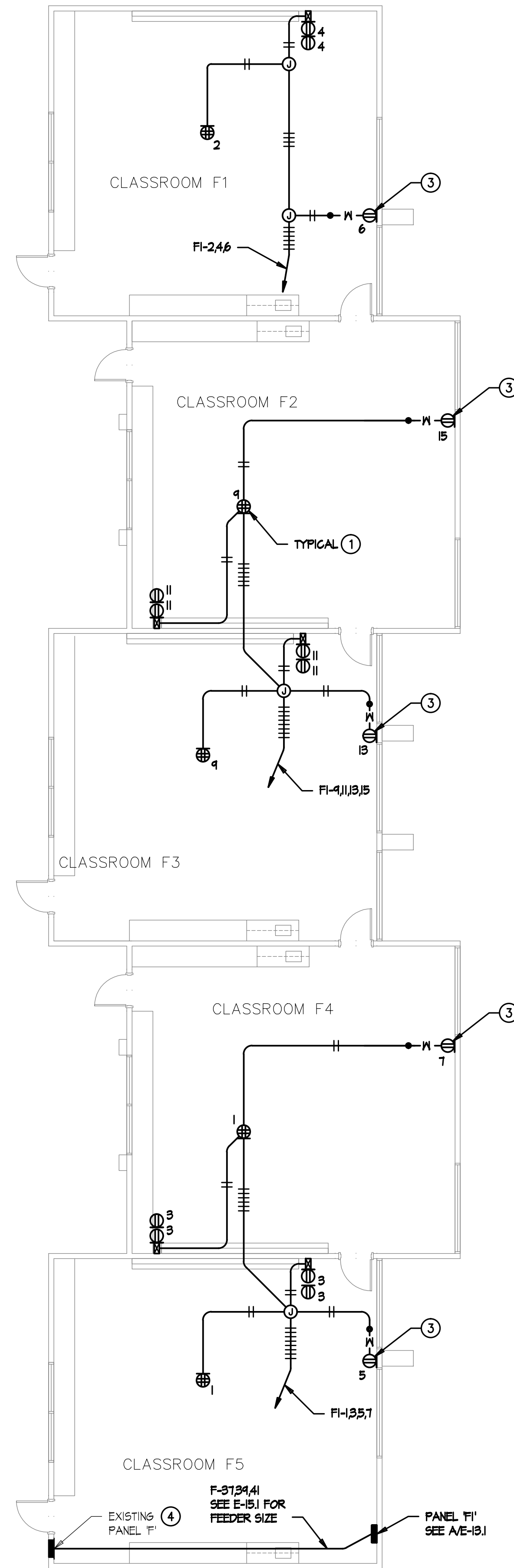
E-5.1

SPROTTE WATSON
ARCHITECTURE | PLANNING

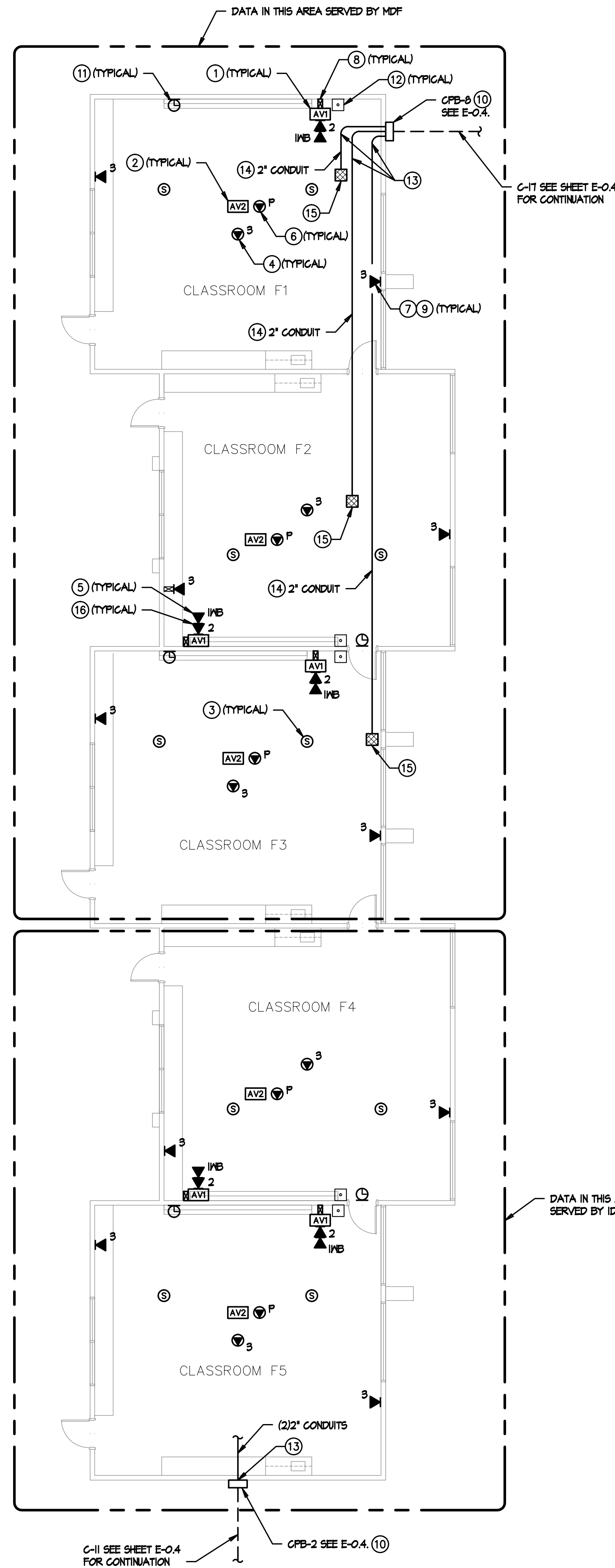
450 S. Main Street, Suite 200, Vista, California 92081 | 760.639.4120 | www.sprotte-watson.com



IT UPGRADE
BLOSSOM VALLEY ELEMENTARY
CAJON VALLEY UNION SCHOOL DISTRICT
9863 OAKMONT TERRACE
EL CAJON, CA 92021



BUILDING F - POWER PLAN



BUILDING F - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① MOUNT DOUBLE DUPLEX OUTLET IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AVV POWER SUPPLY.
- ② NOT USED.
- ③ PROVIDE RECEPTACLE MOUNTED AT +18" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT. USE WIREMOLD 2400 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS.
- ④ SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.

SIGNAL KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +18" AFF. SEE ET-5.4 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- ③ AUDIOVISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- ④ (B) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK.
- ⑤ (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD.
- ⑥ (I) PORT CATEGORY 6 DATA OUTLET AT PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- ⑦ CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION. SEE RISER DIAGRAM A/E-1.3 FOR DETAILS.
- ⑧ NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-6ANG ENG SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL A/E-5.5.
- ⑨ SEE A/E-5.3 FOR LABELING DETAILS.
- ⑩ SEE D/E-5.3 FOR LABELING DETAILS.
- ⑪ DISTRICT INSTALLED GPS/SATELLITE CLOCK.
- ⑫ EXISTING PHONE (BOSEN HANDSET), TO REMAIN.
- ⑬ PENETRATE OUTSIDE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. SEE DETAIL D/E-13.2. CAULK PENETRATION TO MAINTAIN WALL RATING.
- ⑭ CONTRACTOR TO MINIMIZE CONDUIT RING BY PLACING CONDUIT AS CLOSE TO NORTH WALL OF ROOMS F1 AND F3 AS FEASIBLE.
- ⑮ SEE DETAIL A/E-5.2 FOR TYPICAL CONNECTION TO HORIZONTAL PATHWAYS.
- ⑯ TEACHER'S DATA OUTLET.

APPROVALS

DESCRIPTION

BUILDING F
POWER &
SIGNAL PLANS

DATE

04-05-2012

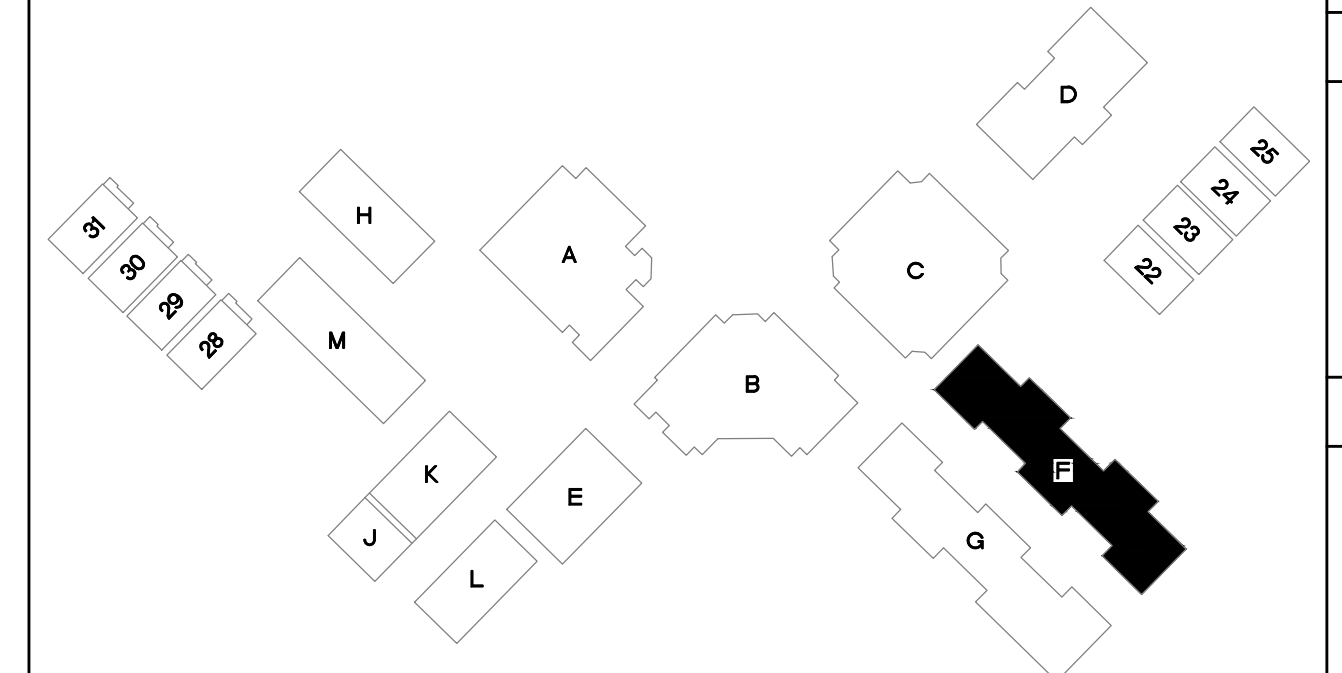
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SHEET #

E-6.1

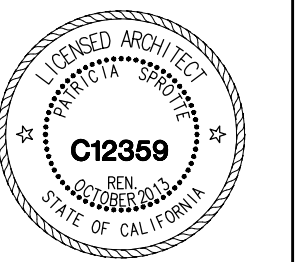
KEYPLAN



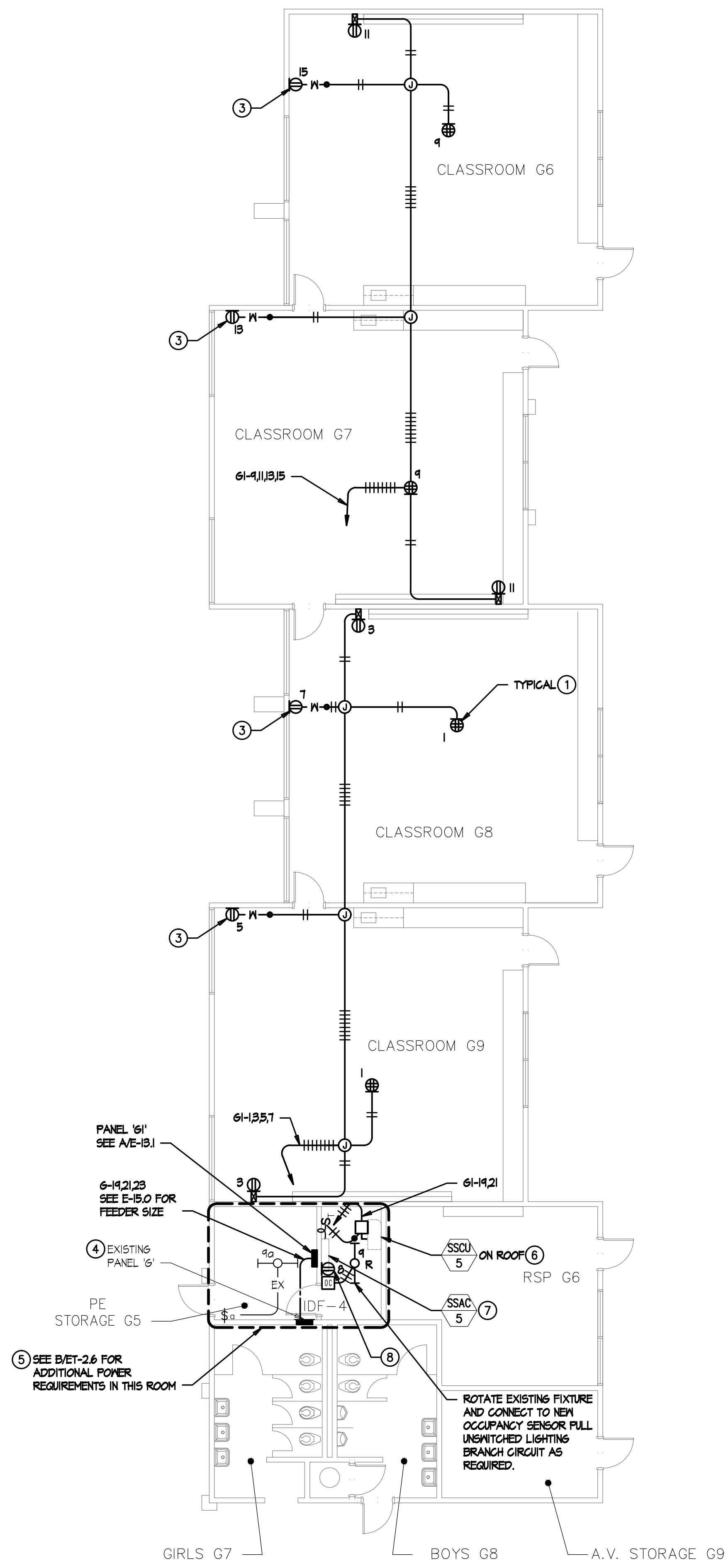
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
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619-466-7622 FAX 619-466-7623
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TREI # 11341
V.PHATHANAK 04/02/12 7:02PM

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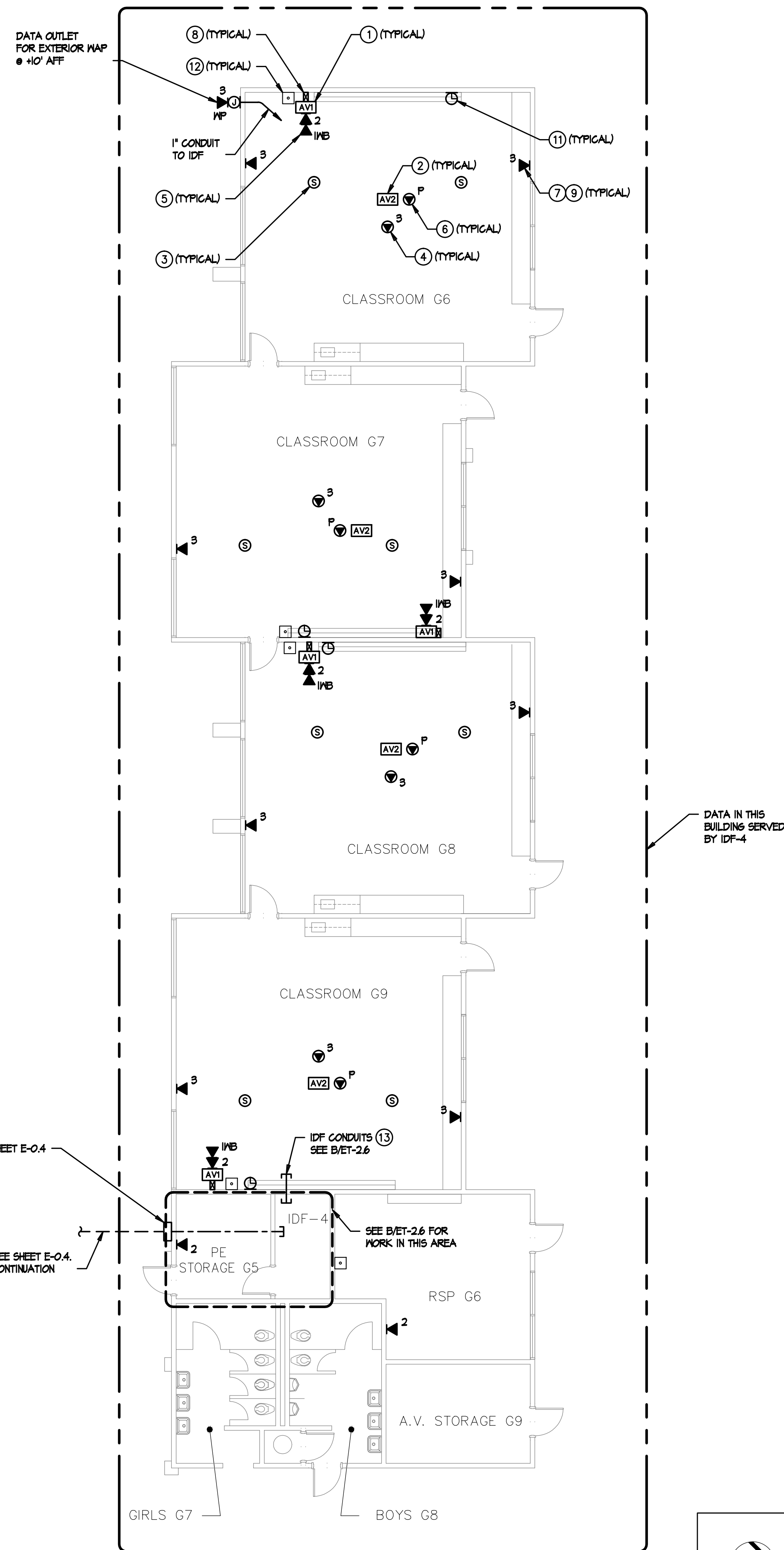
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EXPIRES 12/31/13
Regis. No. 081432



CONSULTANT



BUILDING G - POWER PLAN



BUILDING G - SIGNAL PLAN

POWER PLAN KEYNOTES

- 1 MOUNT DOUBLE DUPLEX OUTLET IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
- 2 NOT USED.
- 3 PROVIDE RECEPTACLE MOUNTED AT +18" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT. USE WIREMOLD 2400 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS.
- 4 SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- 5 PROVIDE NEW POWER OUTLETS FOR IDF. SEE SHEET ET-2.6 ADDITIONAL POWER REQUIREMENTS.
- 6 PROVIDE NEMA 3R, 30AS/30AF/2P DISCONNECT SWITCH ON ROOF FOR CONDENSING UNIT. PROVIDE 3/4"-2#12 DOWN TO FAN COIL UNIT IN IDF ROOM. PATCH/REPAIR/SEAL ROOF PENETRATION.
- 7 PROVIDE NEMA 1, DPST 208 VOLT MOTOR RATED SWITCH AND FINAL CONNECTION TO FAN COIL UNIT. FAN COIL UNIT POWERED THROUGH CONDENSING UNIT.
- 8 PROVIDE RECEPTACLE NEXT TO FAN COIL UNIT FOR CONDENSATE PUMP CONNECTION. SEE SHEET ET-2.6 FOR BRANCH CIRCUIT REQUIREMENT.

SIGNAL PLAN KEYNOTES

- 1 AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +18" AFF. SEE ET-5.4 FOR DETAILS.
- 2 AV2 OUTLET MOUNTED AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- 3 AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- 4 (3) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO IDF CONDUIT(S). SEE DETAIL C/ET-5.2.
- 5 (1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD.
- 6 (1) PORT CATEGORY 6 DATA OUTLET AT PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- 7 CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION AND PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO IDF CONDUIT(S). SEE DETAIL C/ET-5.2. SEE RISER DIAGRAM A/ET-1.9 FOR DETAILS.
- 8 NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-GANG ENB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL A/ET-5.5.
- 9 SEE A/B/ET-5.3 FOR LABELING DETAILS.
- 10 SEE D/ET-5.3 FOR LABELING DETAILS.
- 11 DISTRICT INSTALLED GPS/SATELLITE CLOCK.
- 12 EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- 13 PENETRATE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. GAULK PENETRATION TO MAINTAIN WALL RATINGS. SEE DETAIL C/E-13.1.

APPROVALS

DESCRIPTION

**BUILDING G
POWER &
SIGNAL PLANS**

DATE

04-05-2012

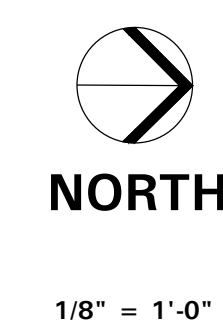
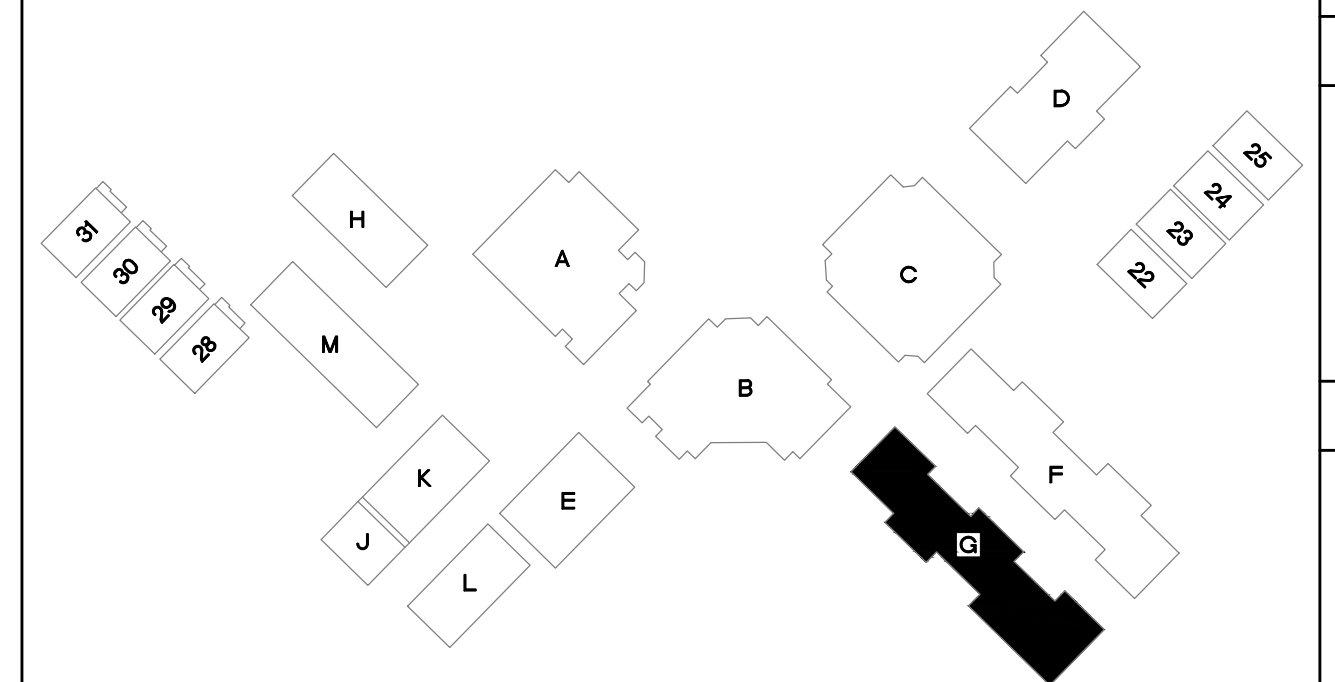
JOB #

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SHEET #

E-7.1

KEYPLAN

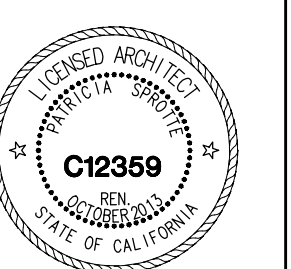


TURPIN & RATTAN
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DATE

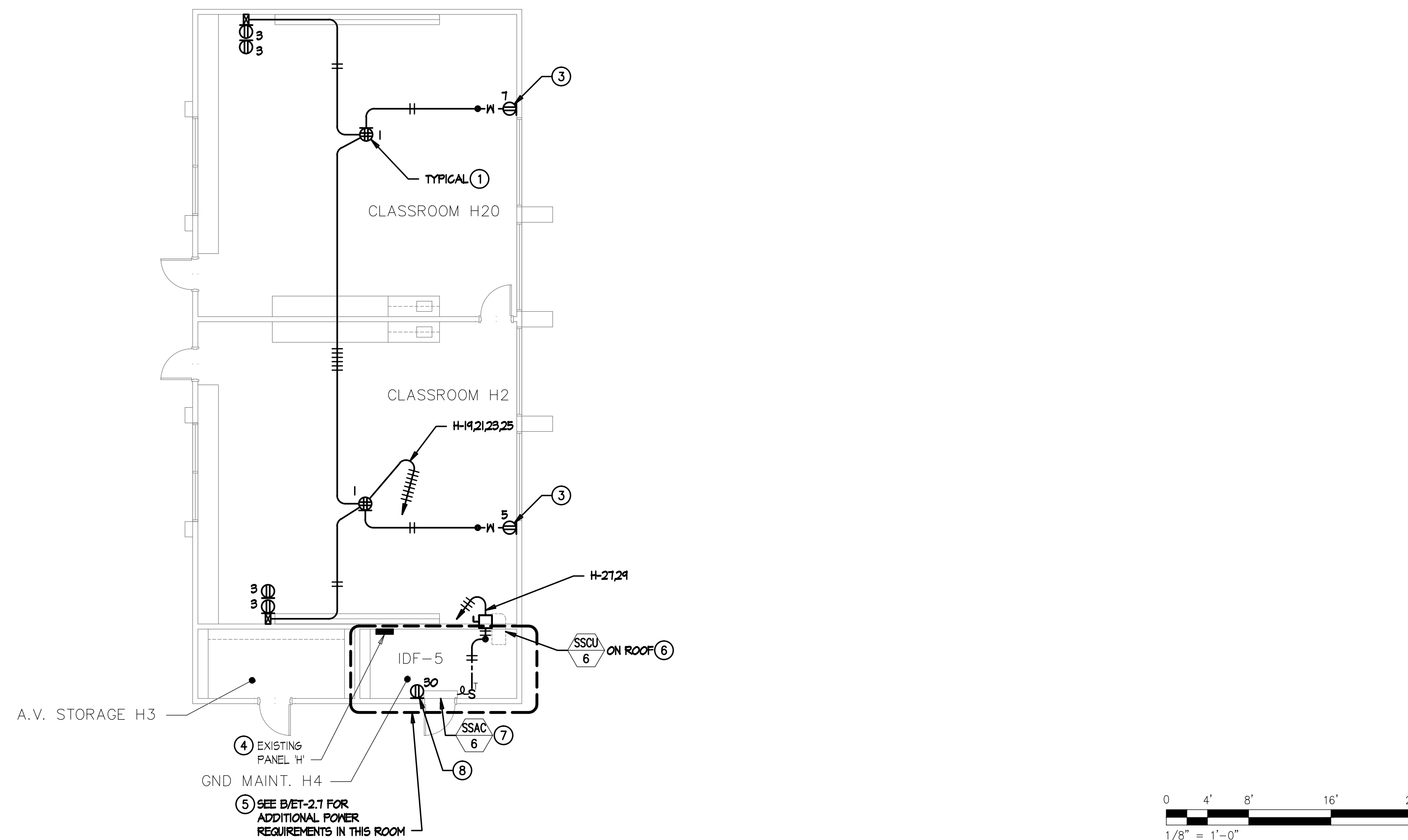
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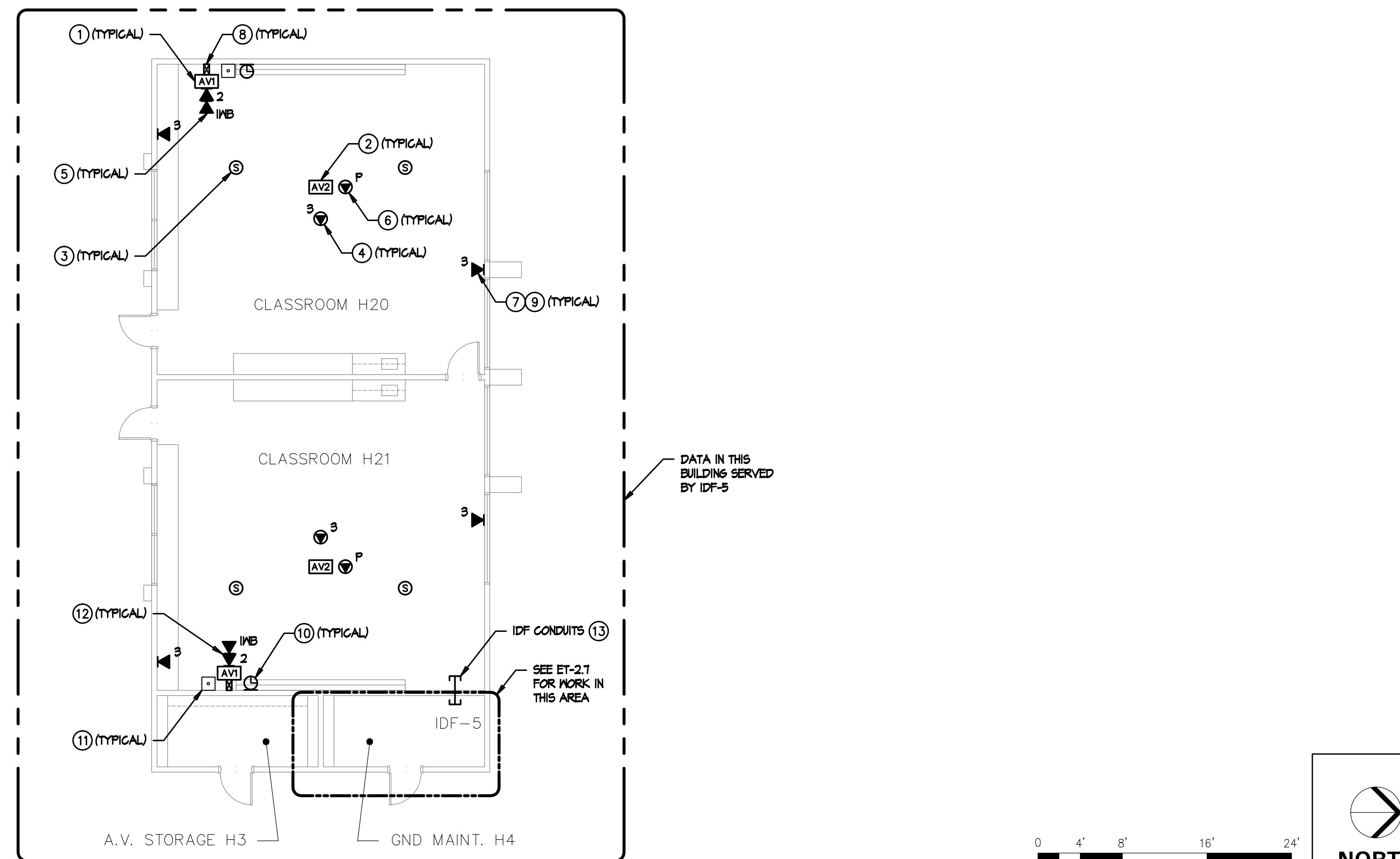
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SHEET #

E-7.1



BUILDING H - POWER PLAN



BUILDING H - SIGNAL PLAN

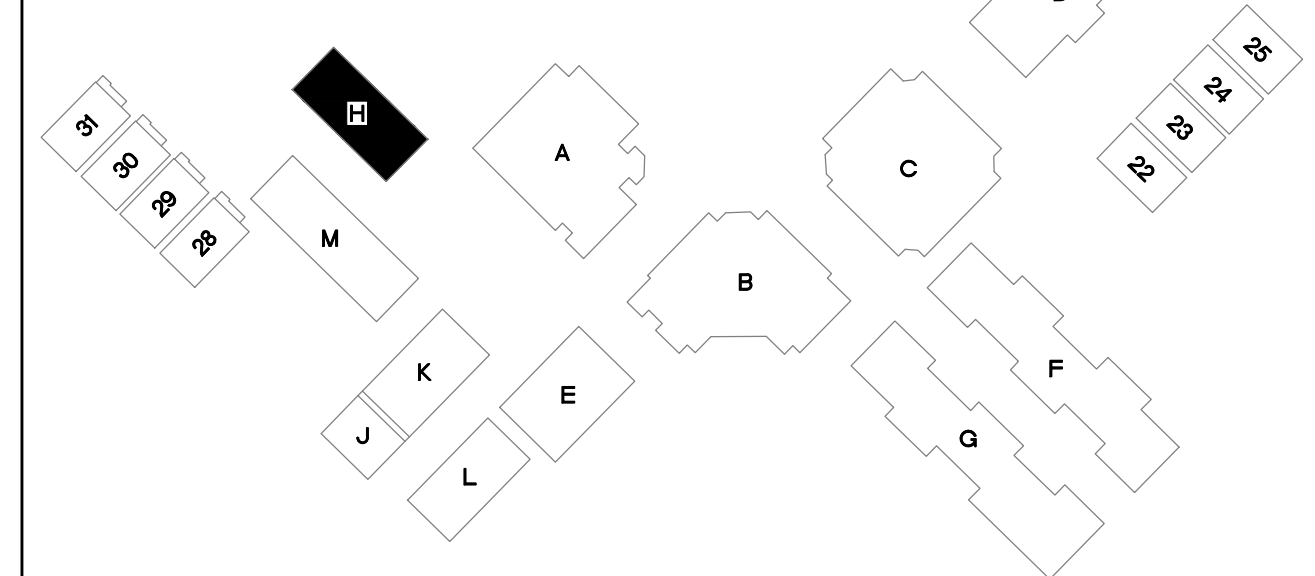
POWER PLAN KEYNOTES

- ① MOUNT DOUBLE DUPLEX OUTLET IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
- ② NOT USED.
- ③ PROVIDE RECEPTACLE MOUNTED AT +18" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT. USE WIREMOLD 2400 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS.
- ④ SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- ⑤ PROVIDE NEW POWER OUTLETS FOR IDF. SEE SHEET ET-2.7 ADDITIONAL POWER REQUIREMENTS.
- ⑥ PROVIDE NEMA 3R, 30AS/30AF/2P DISCONNECT SWITCH ON ROOF FOR CONDENSING UNIT. PROVIDE 3/4"-2#12 DOWN TO FAN COIL UNIT IN IDF ROOM. PATCH/REPAIR/SEAL ROOF PENETRATION.
- ⑦ PROVIDE NEMA 1, DPST 208 VOLT MOTOR RATED SWITCH AND FINAL CONNECTION TO FAN COIL UNIT. FAN COIL UNIT POWERED THROUGH CONDENSING UNIT.
- ⑧ PROVIDE RECEPTACLE NEXT TO FAN COIL UNIT FOR CONDENSATE PUMP CONNECTION. SEE SHEET ET-2.7 FOR BRANCH CIRCUIT REQUIREMENT.

SIGNAL PLAN KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +18" AFF. SEE ET-5.4 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- ④ (3) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO IDF CONDUIT(S). SEE DETAIL C/ET-5.2.
- ⑤ (1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD.
- ⑥ (1) PORT CATEGORY 6 DATA OUTLET AT PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- ⑦ CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION AND PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO IDF CONDUIT(S). SEE DETAIL C/ET-5.2. SEE RISER DIAGRAM A/ET-1.9 FOR DETAILS.
- ⑧ NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-6ANG ENB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL A/ET-5.5.
- ⑨ SEE A/B/ET-5.3 FOR LABELING DETAILS.
- ⑩ DISTRICT INSTALLED GPS/SATELLITE CLOCK.
- ⑪ EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- ⑫ TEACHER'S DATA OUTLET.
- ⑬ PENETRATE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. SEE DETAIL C/E-13.1. CAULK PENETRATION TO MAINTAIN WALL RATING. SEE B/ET-2.7 FOR CONDUIT DETAILS.

APPROVALS



DESCRIPTION

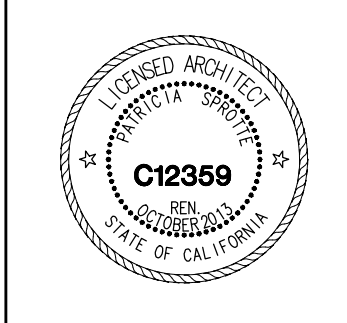
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**BUILDING H
POWER &
SIGNAL PLANS**

DATE

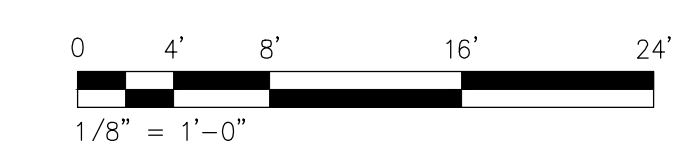
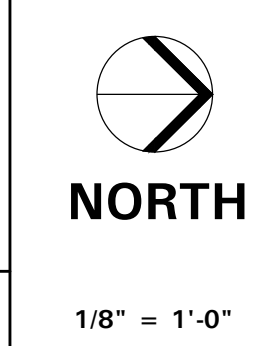
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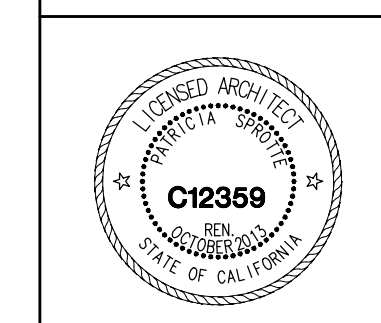
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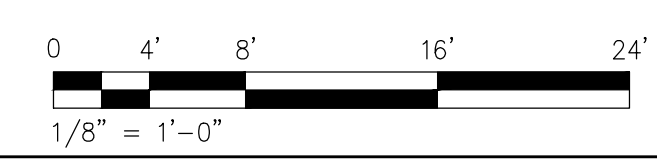
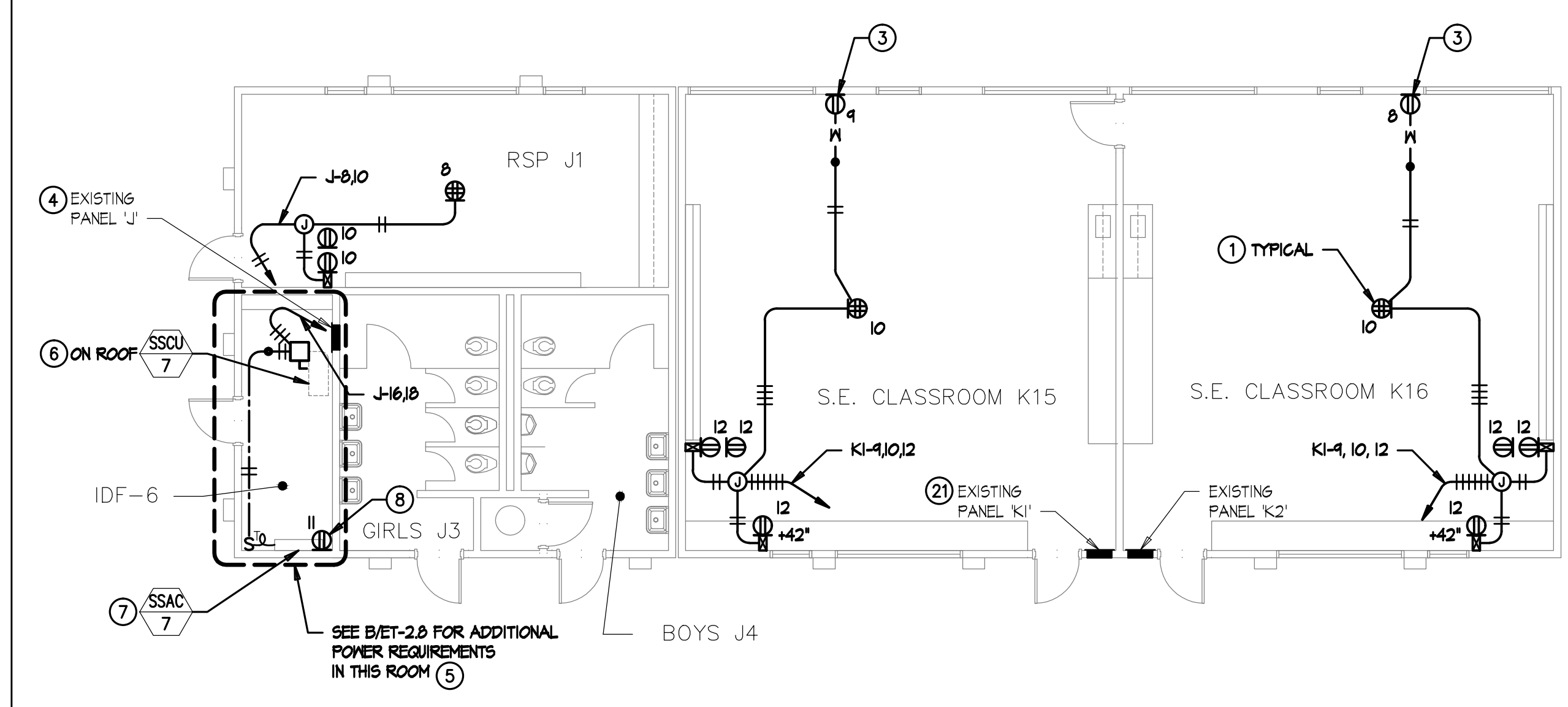
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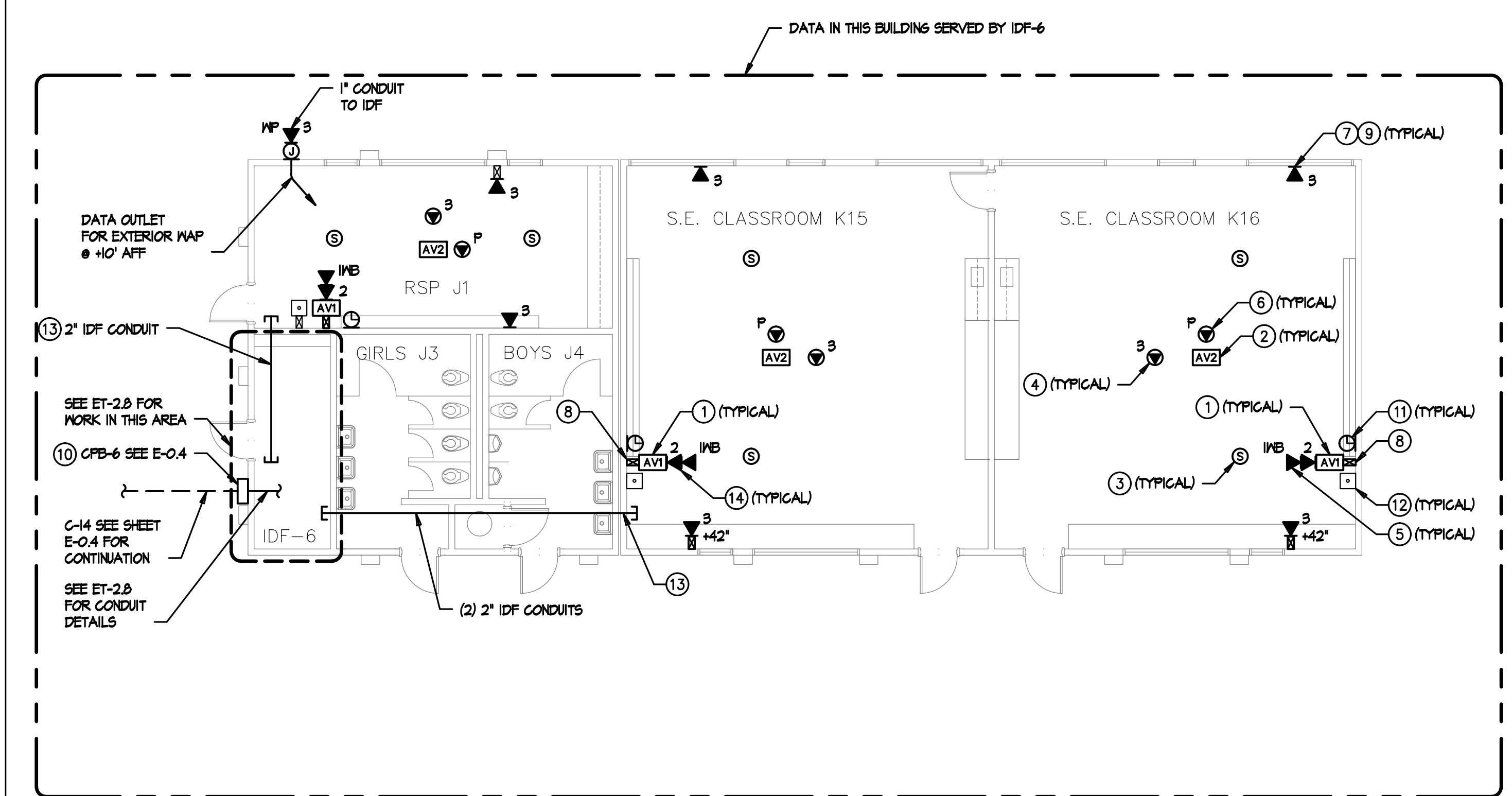
1/8" = 1'-0"



CONSULTANT



BUILDING J&K - POWER PLAN



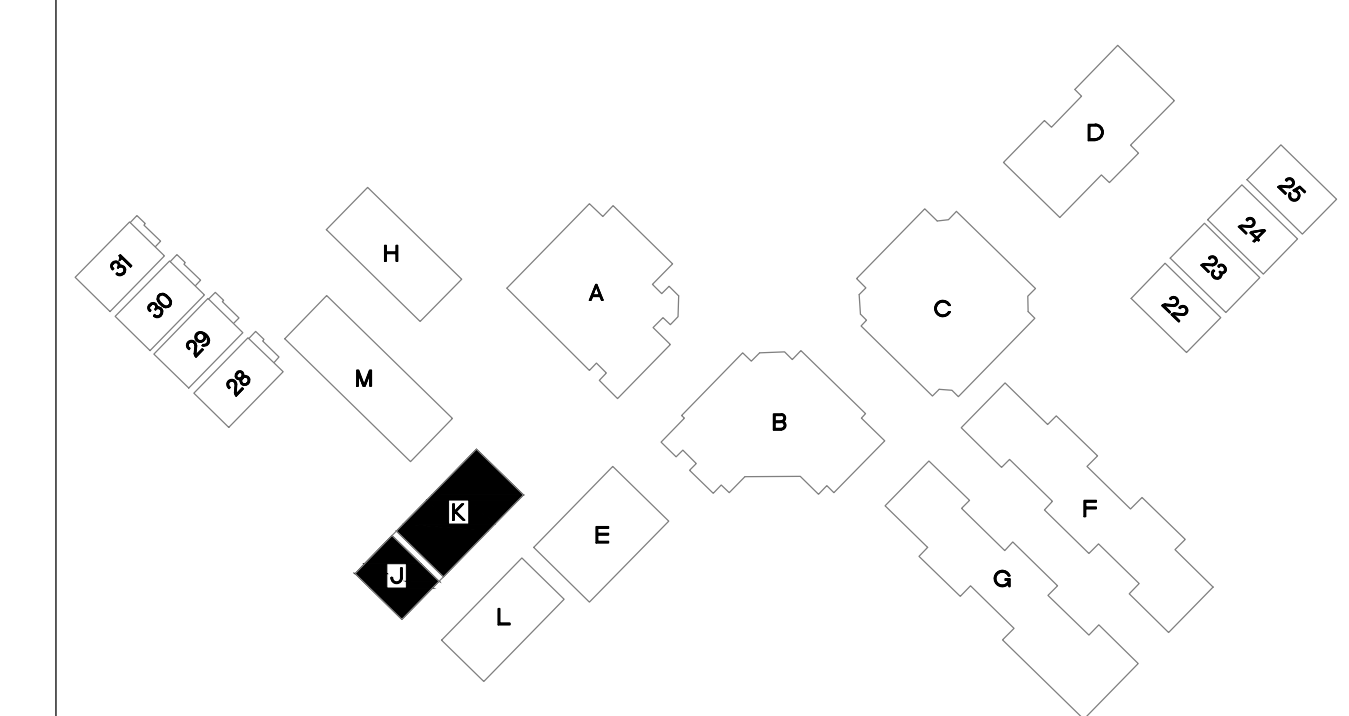
BUILDING J&K - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① MOUNT DOUBLE DUPLEX OUTLET IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
- ② NOT USED.
- ③ PROVIDE RECEPTACLE MOUNTED AT +18" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT. USE WIREMOLD 2400 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS.
- ④ SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- ⑤ PROVIDE NEW POWER OUTLETS FOR IDF. SEE SHEET ET-2.8 ADDITIONAL POWER REQUIREMENTS.
- ⑥ PROVIDE NEMA 3R, 30AS/30AF/2P DISCONNECT SWITCH ON ROOF FOR CONDENSING UNIT. PROVIDE 3/4"-3/12 DOWN TO FAN COIL UNIT IN IDF ROOM. PATCH/REPAIR/SEAL ROOF PENETRATION.
- ⑦ PROVIDE NEMA 1, DPST 208 VOLT MOTOR RATED SWITCH AND FINAL CONNECTION TO FAN COIL UNIT. FAN COIL UNIT POWERED THROUGH CONDENSING UNIT.
- ⑧ PROVIDE RECEPTACLE NEXT TO FAN COIL UNIT FOR CONDENSATE PUMP CONNECTION. SEE SHEET ET-2.8 FOR BRANCH CIRCUIT REQUIREMENT.

SIGNAL PLAN KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +18" AFF. SEE ET-5.4 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 ET-5.5 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- ④ (B) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'U-HOOK' SUPPORTS EVERY 4' TO IDF CONDUIT(S). SEE DETAIL C/ET-5.2.
- ⑤ (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD.
- ⑥ (I) PORT CATEGORY 6 DATA OUTLET AT PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- ⑦ CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION AND PROVIDE 'U-HOOK' SUPPORTS EVERY 4' TO IDF CONDUIT(S). SEE DETAIL C/ET-5.2. SEE RISER DIAGRAM A/ET-1.3 FOR DETAILS.
- ⑧ NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-6GANG EMB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL A/ET-5.5.
- ⑨ SEE A/B/ET-5.3 FOR LABELING DETAILS.
- ⑩ SEE D/ET-5.3 FOR LABELING DETAILS.
- ⑪ DISTRICT INSTALLED GPS/SATELLITE CLOCK.
- ⑫ EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- ⑬ PENETRATE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. SEE DETAIL C/E-13.1. CAULK PENETRATION TO MAINTAIN WALL RATINGS.
- ⑭ TEACHER'S DATA OUTLET.



KEYPLAN

APPROVALS

DESCRIPTION

BUILDING J&K
POWER &
SIGNAL PLANS

DATE

04-05-2012

JOB #

11341

SHEET #

E-9.1

NORTH

1/8" = 1'-0"

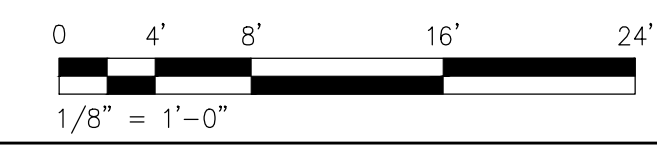
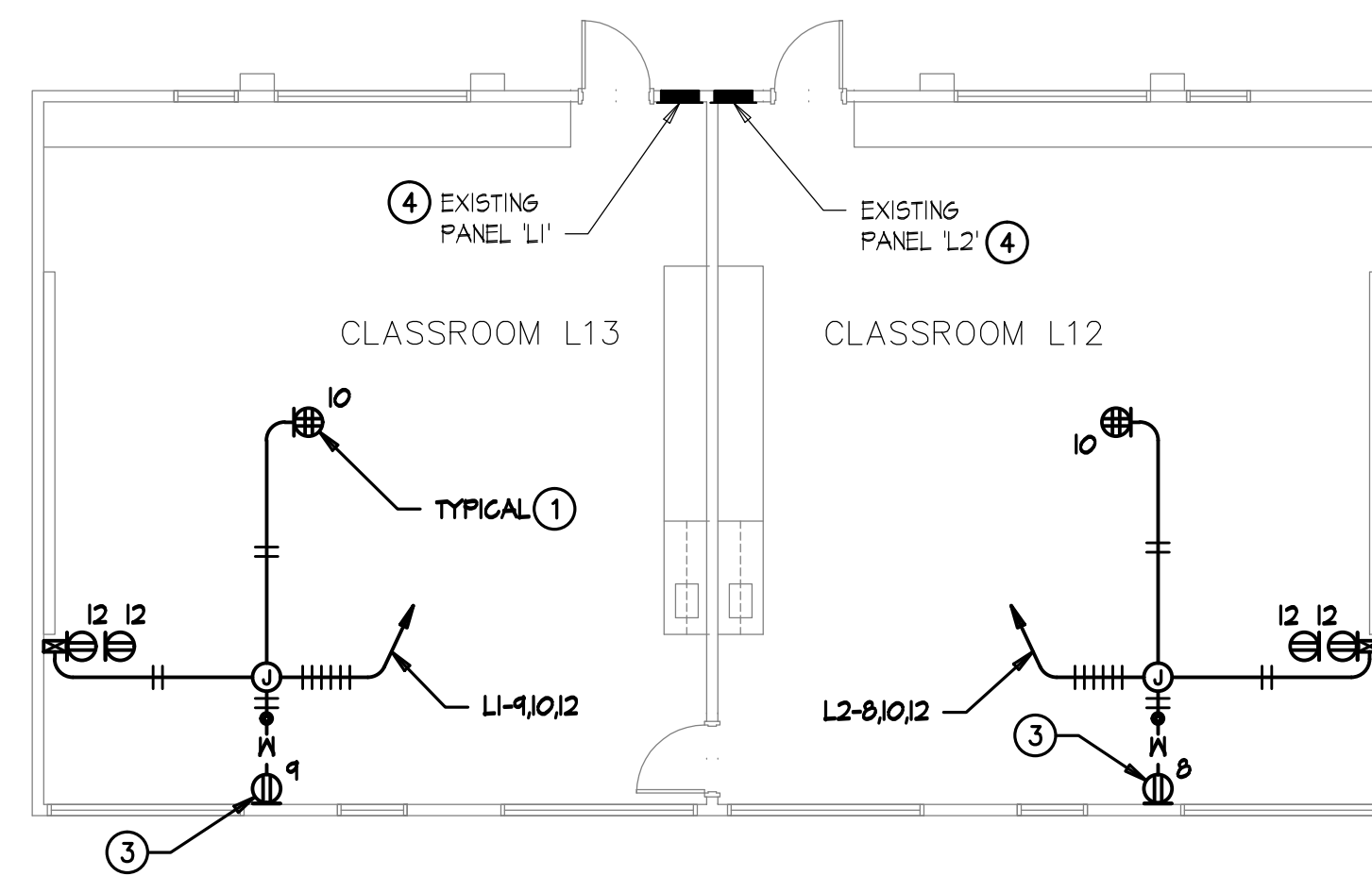
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619-466-1622 FAX 619-466-16233
E-MAIL: ENGINEER@TRRSO.COM

TREI # 11341
V.PHATHANAK 04/02/12 - 7:03PM

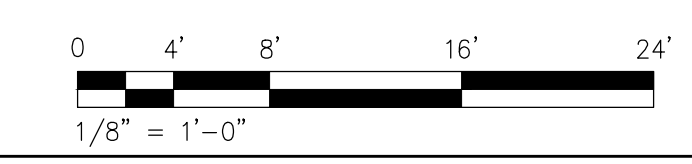
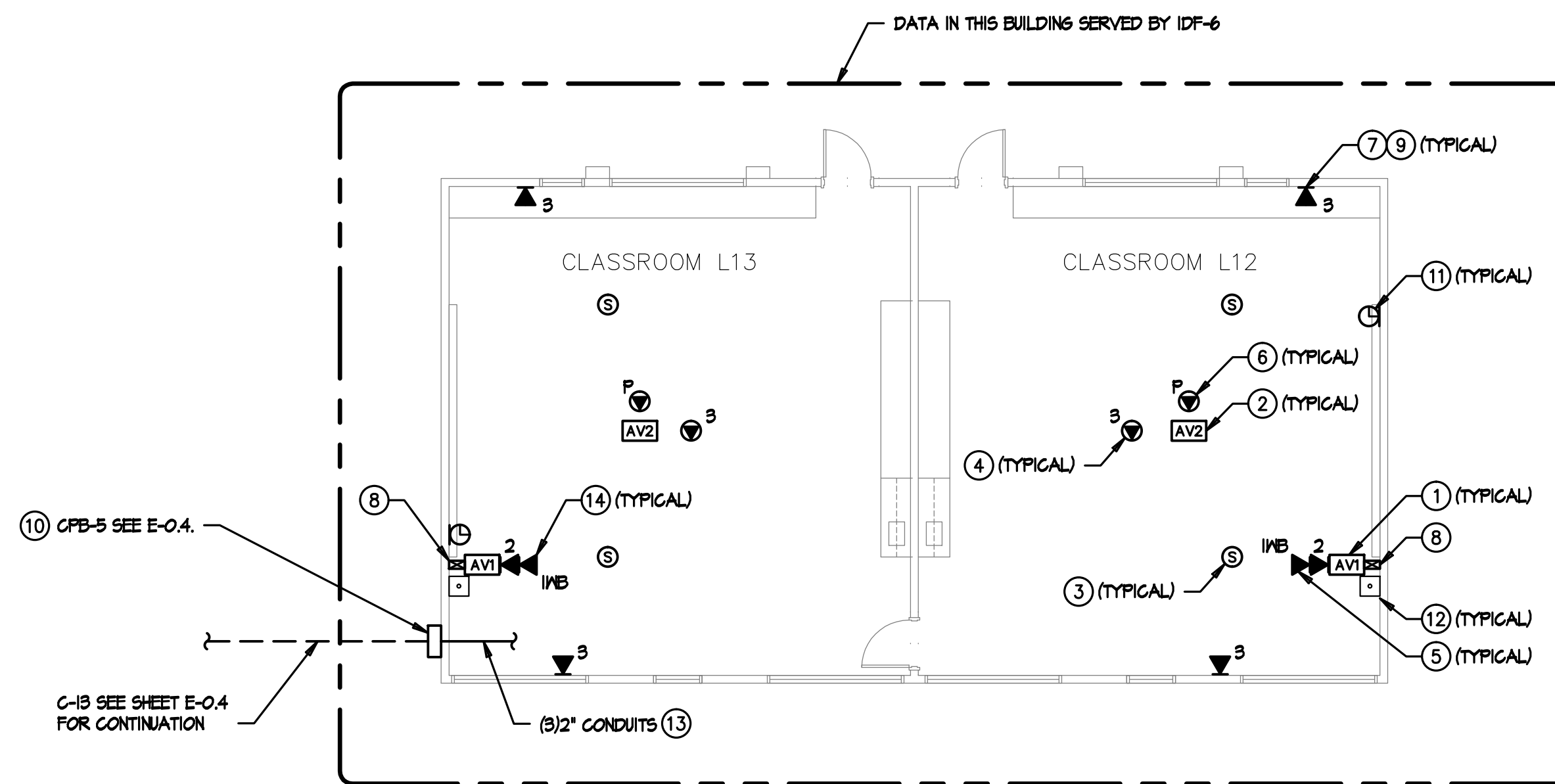
REGISTERED PROFESSIONAL ENGINEER
STEPHEN J. KORTMAN
13554
Exp. 9-30-12
STATE OF CALIFORNIA

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

04/02/12



BUILDING L - POWER PLAN



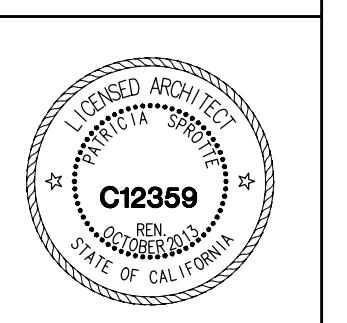
BUILDING L - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① MOUNT DOUBLE DUPLEX OUTLET IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
- ② NOT USED.
- ③ PROVIDE RECEPTACLE MOUNTED AT +18" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT. USE WIREMOLD 2400 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS.
- ④ SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.

SIGNAL PLAN KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +18" AFF. SEE ET-5.4 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- ④ (3) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK.
- ⑤ (1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD.
- ⑥ (1) PORT CATEGORY 6 DATA OUTLET AT PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- ⑦ CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION. SEE RISER DIAGRAM AVET-1.3 FOR DETAILS.
- ⑧ NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-GANG EMB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL AVET-5.5.
- ⑨ SEE AV/ET-5.3 FOR LABELING DETAILS.
- ⑩ SEE D/ET-5.3 FOR LABELING DETAILS.
- ⑪ DISTRICT INSTALLED GPS/SATELLITE CLOCK.
- ⑫ EXISTING PHONE (BOSEN HANDSET), TO REMAIN.
- ⑬ PENETRATE OUTSIDE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. SEE DETAIL D/E-13.2. CAULK PENETRATION TO MAINTAIN WALL RATINGS. SEE DETAIL AVET-5.2 FOR TYPICAL CONNECTION TO HORIZONTAL PATHWAYS.
- ⑭ TEACHER'S DATA OUTLET.



CONSULTANT

APPROVALS

DESCRIPTION

**BUILDING L
POWER &
SIGNAL PLANS**

DATE

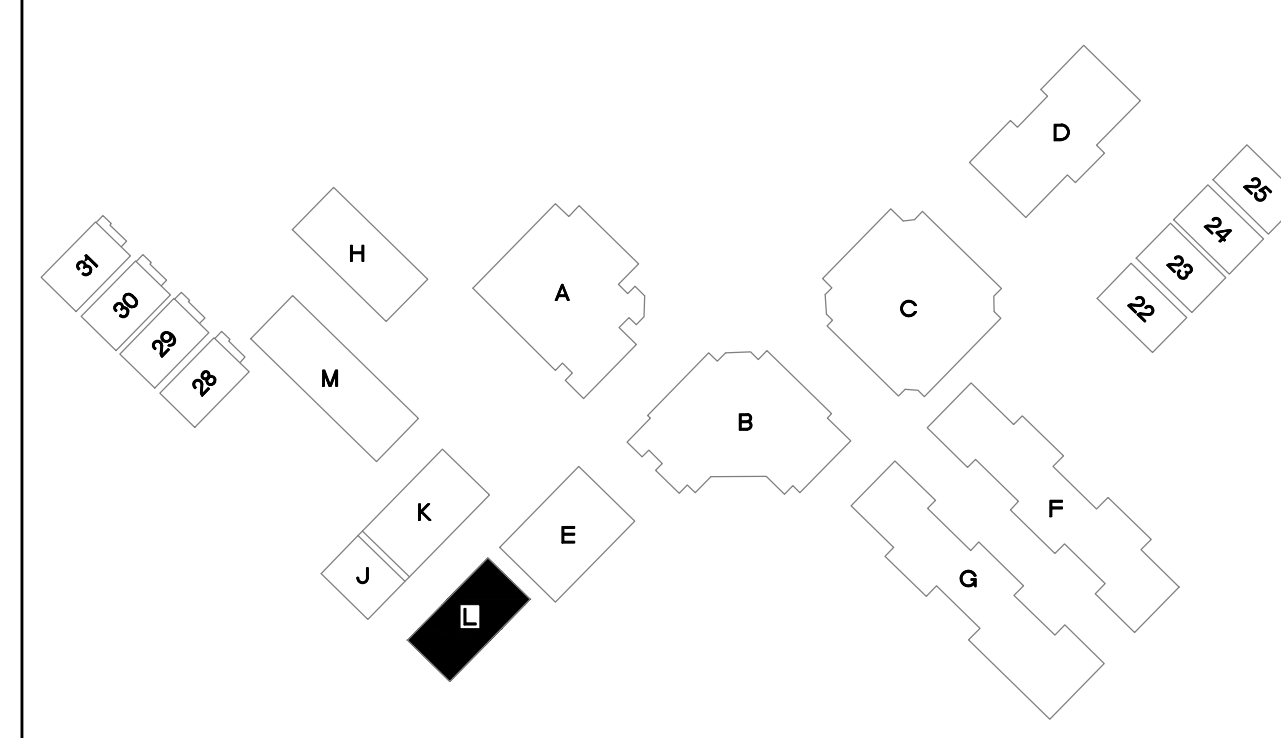
04-05-2012

JOB #

11341

SHEET #

E-10.1



KEYPLAN

NORTH

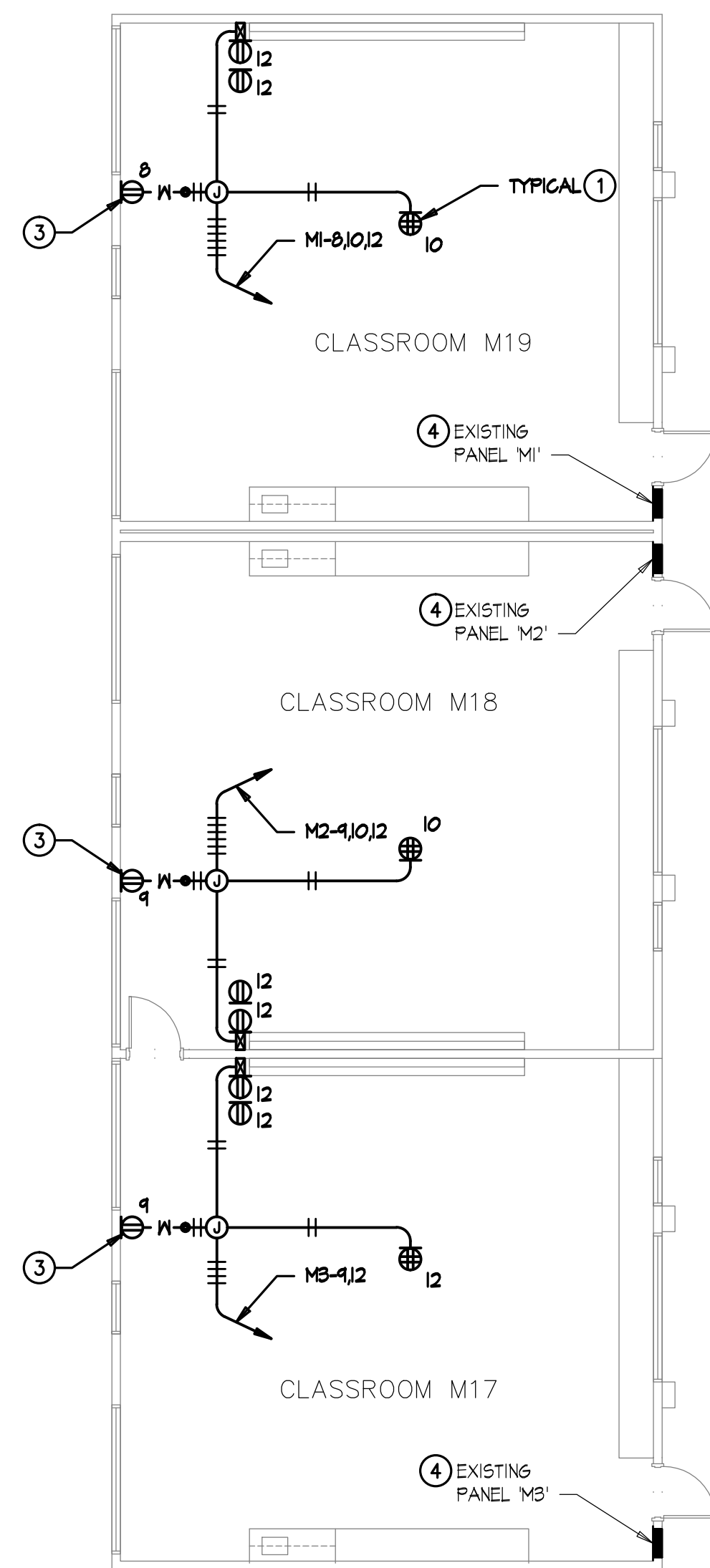
1/8" = 1'-0"

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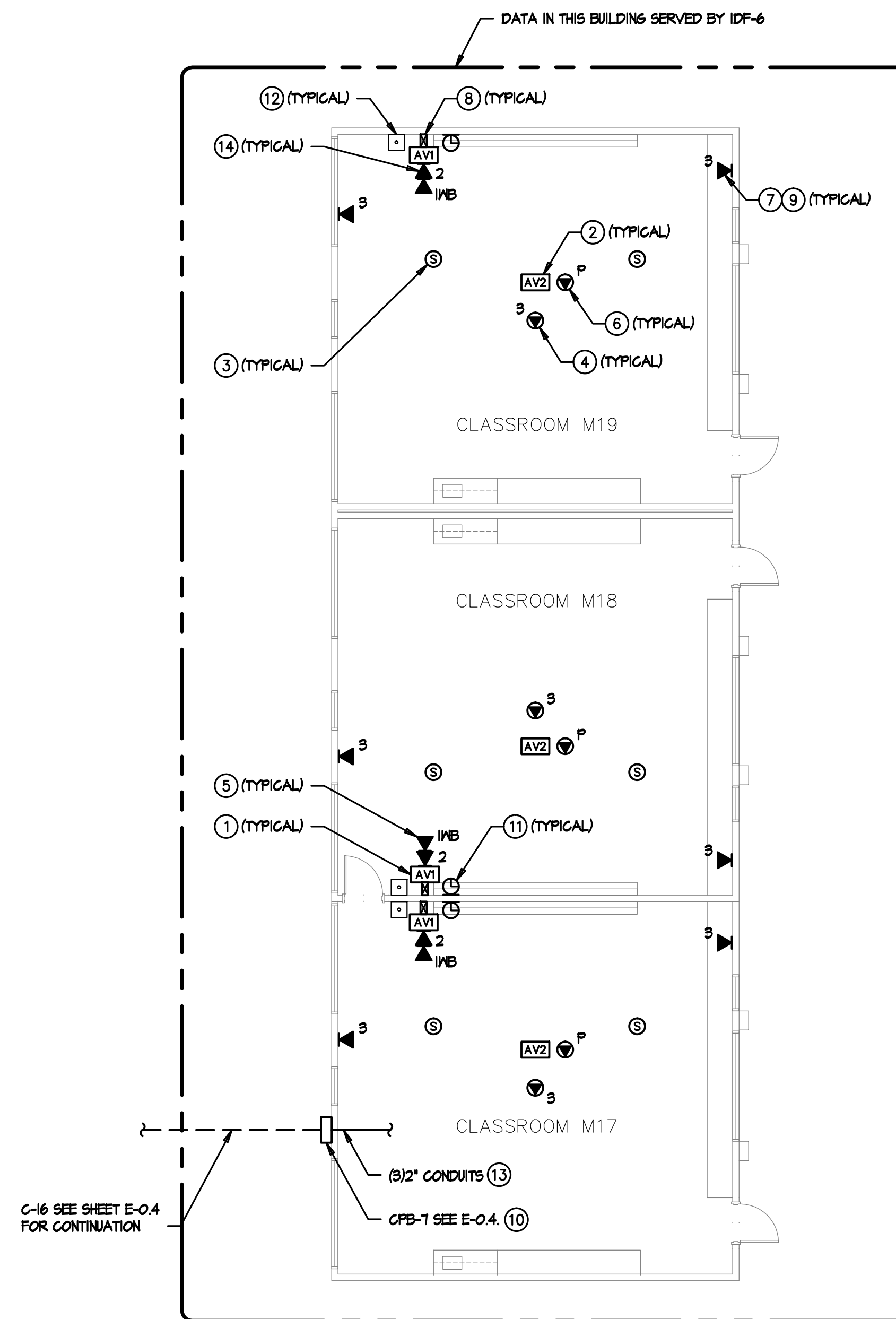
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REGISTERED PROFESSIONAL ENGINEER
STEPHEN J. KORTUM
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Exp. 9-30-12
REGISTERED COMMERCIAL DESIGNER
BICSI
DISTRIBUTION DESIGNER

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



BUILDING M - POWER PLAN



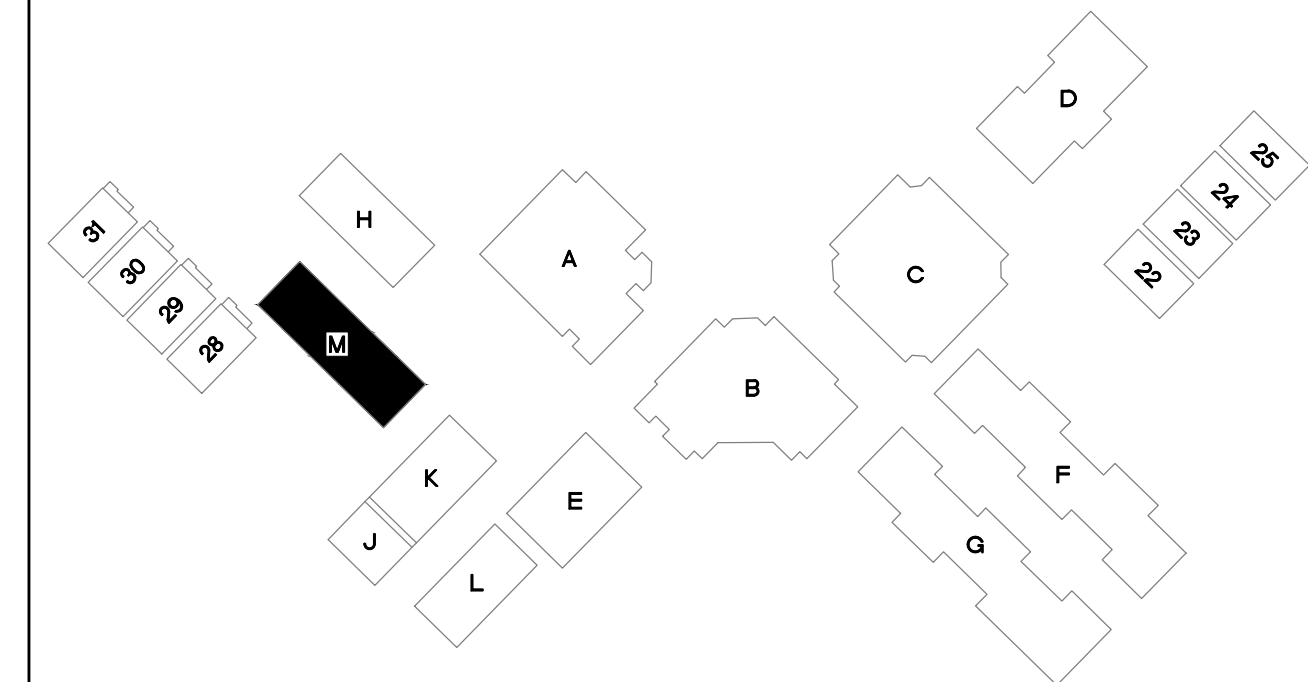
BUILDING M - SIGNAL PLAN

POWER PLAN KEYNOTES

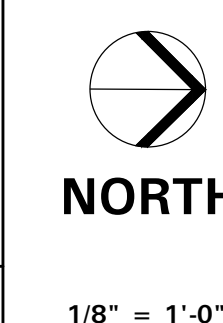
- ① MOUNT DOUBLE DUPLEX OUTLET IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND AV POWER SUPPLY.
- ② NOT USED.
- ③ PROVIDE RECEPTACLE MOUNTED AT +18" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT. USE WIREMOLD 2400 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS.
- ④ SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.

SIGNAL PLAN KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +18" AFF. SEE ET-5.4 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- ④ (B) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK.
- ⑤ (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD.
- ⑥ (I) PORT CATEGORY 6 DATA OUTLET AT PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- ⑦ CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION. SEE RISER DIAGRAM AVET-1.3 FOR DETAILS.
- ⑧ NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-GANG EMB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL AVET-5.5.
- ⑨ SEE AV/ET-5.3 FOR LABELING DETAILS.
- ⑩ SEE D/ET-5.3 FOR LABELING DETAILS.
- ⑪ DISTRICT INSTALLED GPS/SATELLITE CLOCK.
- ⑫ EXISTING PHONE (BOSEN HANDSET), TO REMAIN.
- ⑬ PENETRATE OUTSIDE MALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. SEE DETAIL D/E-13.2. CAULK PENETRATION TO MAINTAIN WALL RATINGS. SEE DETAIL AVET-5.2 FOR TYPICAL CONNECTION TO HORIZONTAL PATHWAYS.
- ⑭ TEACHER'S DATA OUTLET.



KEYPLAN



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CONSULTANT

IT UPGRADE
BLOSSOM VALLEY ELEMENTARY
CAJON VALLEY UNION SCHOOL DISTRICT
9863 OAKMONT TERRACE
EL CAJON, CA 92021



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