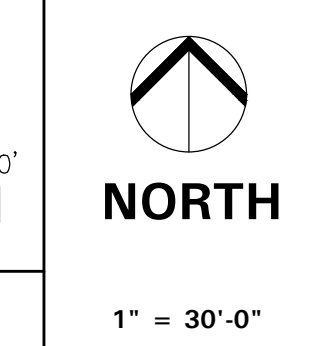


KEYNOTES

- ① CONTRACTOR TO INSPECT ALL EXISTING CPBS TO DETERMINE WHICH CONNECT TO EXISTING LOW VOLTAGE PATHWAYS. EXISTING PATHWAYS FOR FIBER (U.O.N) AND HORIZONTAL COPPER FEEDS TO BE RE-USED.
- ② SEE DETAIL C/ET-53 FOR LABELING.
- ③ SEE DETAIL F/ET-53 FOR CABLE DISTRIBUTION.
- ④ EXTERIOR WIRELESS ACCESS POINT. SEE FLOOR PLANS FOR DETAILS.

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.



SIGNAL SITE PLAN

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REGISTERED PROFESSIONAL ENGINEER
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13554
Exp. 9-30-12
STATE OF CALIFORNIA
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
MARK FORTIE, RCDD
EXPIRES 12/31/13
Regis. No. 081432
04/02/12



CONSULTANT

APPROVALS

DESCRIPTION

SIGNAL SITE PLAN

DATE

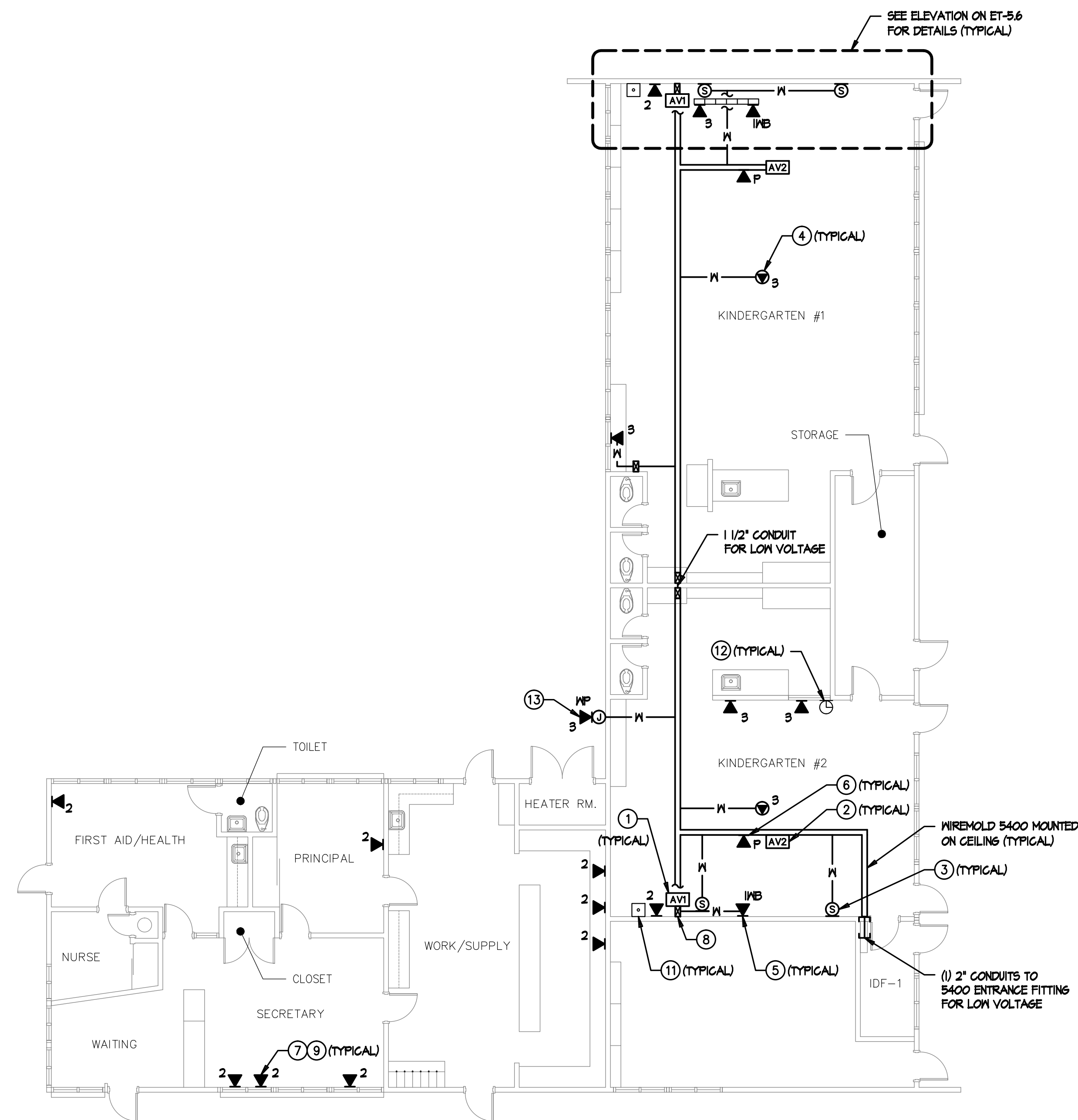
04-05-2012

JOB #

11345

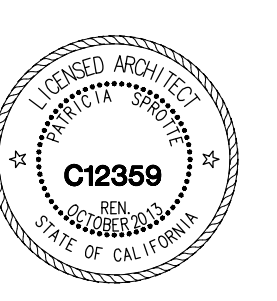
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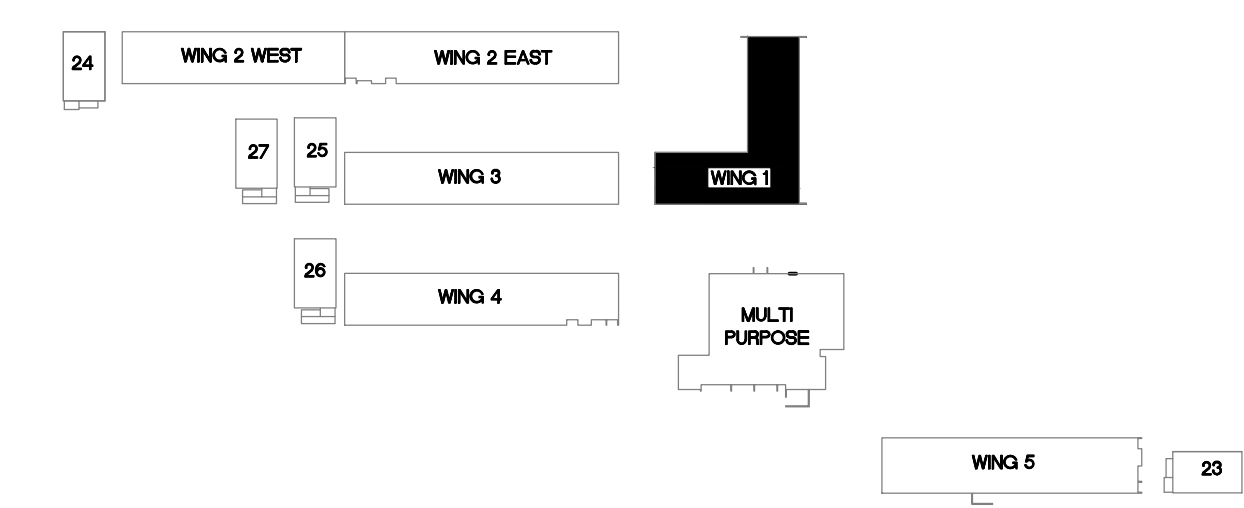


SIGNAL PLAN KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +10' AFF. SEE ET-5.4 AND ET-5.6 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT CEILING PROJECTOR LOCATION. SEE ET-5.4 AND ET-5.6 AND C/ET-5.5 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER MOUNTED ON WALL. SEE ET-5.4 AND C/ET-5.5 FOR DETAILS.
- ④ (B) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET SURFACE MOUNTED DESIGNATED FOR WIRELESS NETWORK.
- ⑤ (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. LOCATION TO BE AT CENTER OF TEACHING WALL AT +10' AFF.
- ⑥ (I) PORT CATEGORY 6 DATA OUTLET ON CEILING, DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE. SEE C/ET-5.5.
- ⑦ CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION; PROVIDE AND UTILIZE 'J-HOOK' SUPPORTS EVERY 4" IN ACCESSIBLE CEILING SPACE TO IDF. 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-GANG ENB SERIES WALL BOXES FOR AV INTERFACE. SEE DETAIL C/ET-5.5.
- ⑨ SEE A/B/ET-5.3 FOR LABELING DETAILS.
- ⑩ SEE D/ET-5.3 FOR LABELING DETAILS.
- ⑪ EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- ⑫ DISTRICT CLOCK TO REMAIN.
- ⑬ DATA OUTLET FOR EXTERIOR MAP MOUNTED AT +10' AFF.



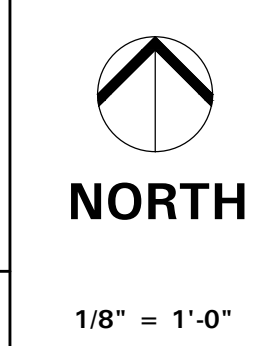
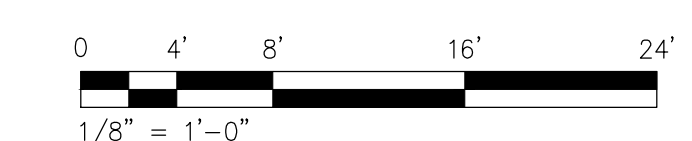
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KEYPLAN



NTS



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REGISTERED PROFESSIONAL ENGINEER
 13554
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 STATE OF CALIFORNIA

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

APPROVALS

DESCRIPTION

WING 1
SIGNAL PLAN

DATE

04-05-2012

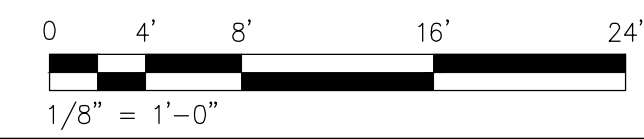
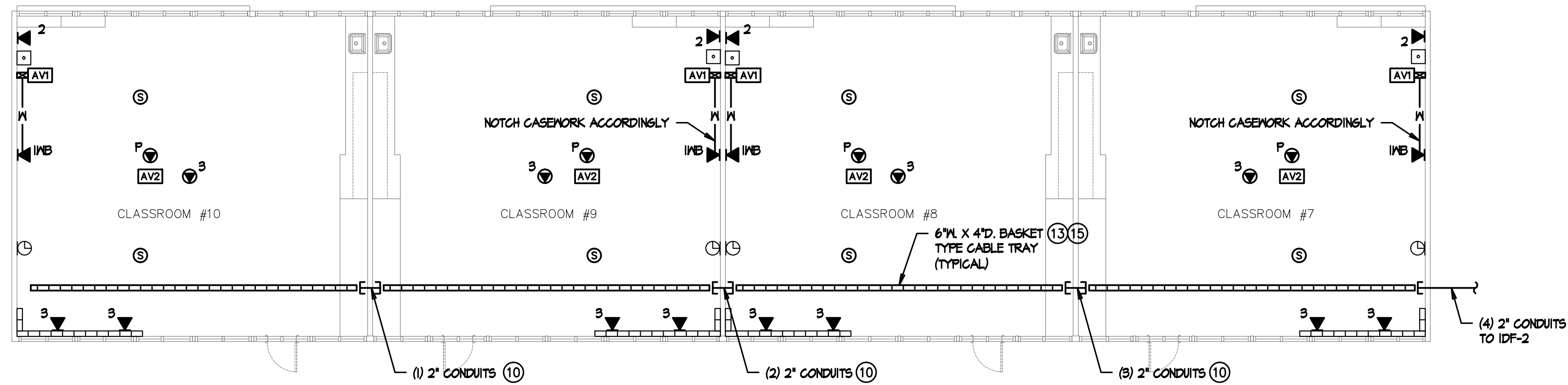
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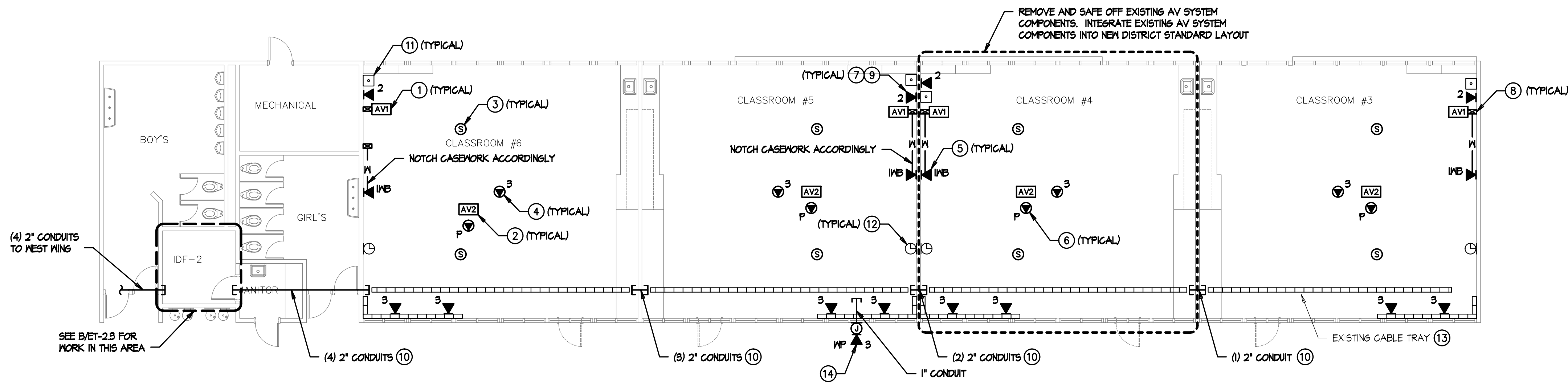
SHEET #

E-12

WING 1 - SIGNAL PLAN



WING 2 WEST - SIGNAL PLAN



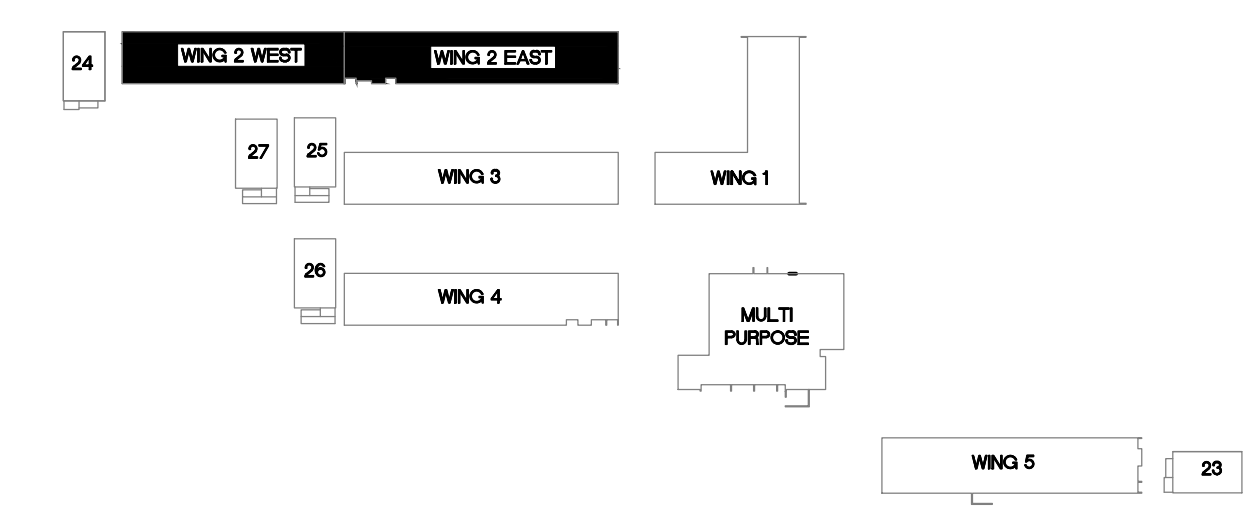
WING 2 EAST - SIGNAL PLAN

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 AND ET-5.5 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- ④ (B) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE J-HOOK SUPPORTS EVERY 4' TO EXISTING CABLE TRAY. SEE DETAIL C/ET-5.2.
- ⑤ (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. LOCATION TO BE AT CENTER OF TEACHING MALL AT +18" AFF.
- ⑥ (I) PORT CATEGORY 6 DATA OUTLET AT CEILING MOUNTED 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. PROVIDE AND UTILIZE J-HOOK SUPPORTS EVERY 4' IN ACCESSIBLE CEILING SPACE TO CABLE TRAY. 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-GANG 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 C/E-8.1 FOR PENETRATION DETAIL.
- ⑪ EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- ⑫ DISTRICT GLOCK TO REMAIN.
- ⑬ PROVIDE CONTINUOUS #6 AWG GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO TMSB IN IDF ROOM.
- ⑭ DATA OUTLET FOR EXTERIOR MAP MOUNTED ON UNDERSIDE OF ROOF OVERHANG.
- ⑮ 6" WIDE BASKET TYPE CABLE TRAY MOUNTED ABOVE CEILING GRID. COORDINATE INSTALLATION WITH OTHER TRADES. SEE DETAIL A/ET-5.2 FOR INSTALLATION.



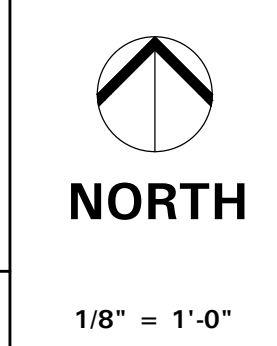
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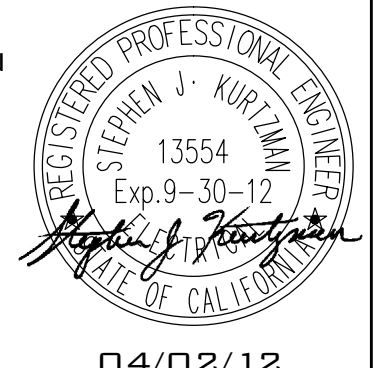
KEYPLAN



NTS



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 EXPIRES 12/31/13
 Regis. No. 081432

APPROVALS

DESCRIPTION

WING 2 SIGNAL PLAN

DATE

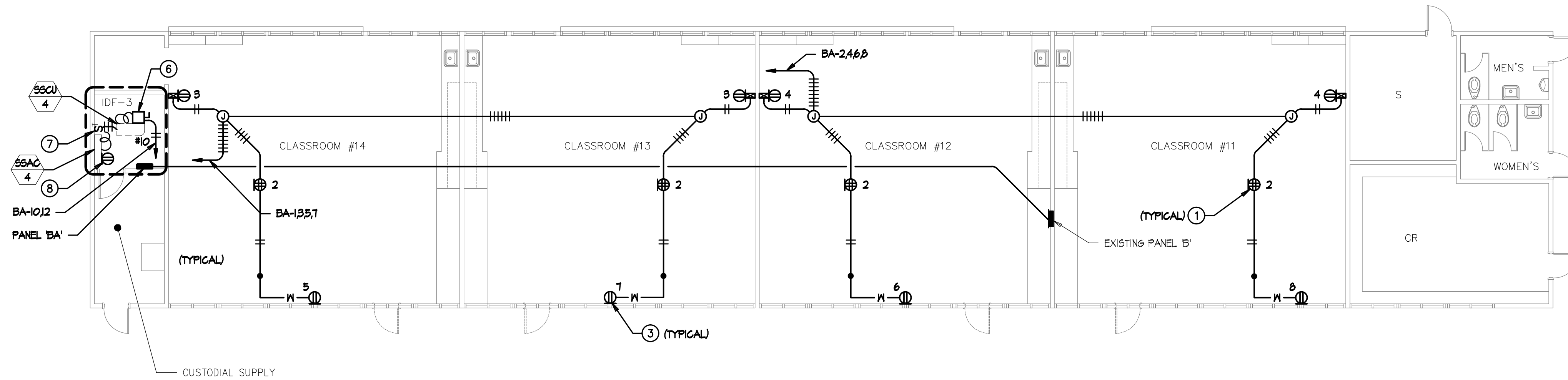
04-05-2012

JOB #

11345

SHEET #

E-22



WING 3 - POWER PLAN

POWER PLAN KEYNOTES

- ① MOUNT DOUBLE DUPLEX RECEPTACLE 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 2800 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS. PROVIDE FURRING AS REQUIRED.
- ④ SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- ⑤ PROVIDE NEW POWER OUTLETS FOR IDF. SEE SHEET ET-2.4 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 MDF ROOM. PATCH/REPAIR/SEAL ROOF PENETRATION.
- ⑦ PROVIDE NEMA 1, DPST 240 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-2.3 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 AND ET-5.5 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 AND ET-5.5 FOR DETAILS.
- ④ (B) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO CABLE TRAY. SEE DETAIL C/ET-5.2
- ⑤ (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. LOCATION TO BE AT CENTER OF TEACHING WALL AT +18" AFF.
- ⑥ (I) PORT CATEGORY 6 DATA OUTLET AT PROJECTOR LOCATION. 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; PROVIDE AND UTILIZE 'J-HOOK' SUPPORTS EVERY 4' IN ACCESSIBLE CEILING SPACE TO CABLE TRAY. 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 2-6ANG 6NB 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 EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- ⑫ DISTRICT CLOCK TO REMAIN.
- ⑬ MOUNTED ABOVE CEILING GRID. COORDINATE INSTALLATION WITH OTHER TRADES. SEE DETAIL A/ET-5.2 FOR INSTALLATION.
- ⑭ PROVIDE CONTINUOUS #6 AWG GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO TMB6 IN MDF ROOM.
- ⑮ SEE C/E-5.1 FOR PENETRATION DETAIL.

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 CAJON VALLEY UNION SCHOOL DISTRICT
 11625 FUERTE DRIVE
 EL CAJON, CA 92020

CONSULTANT

APPROVALS

DESCRIPTION

WING 3
POWER/SIGNAL
PLANS

DATE

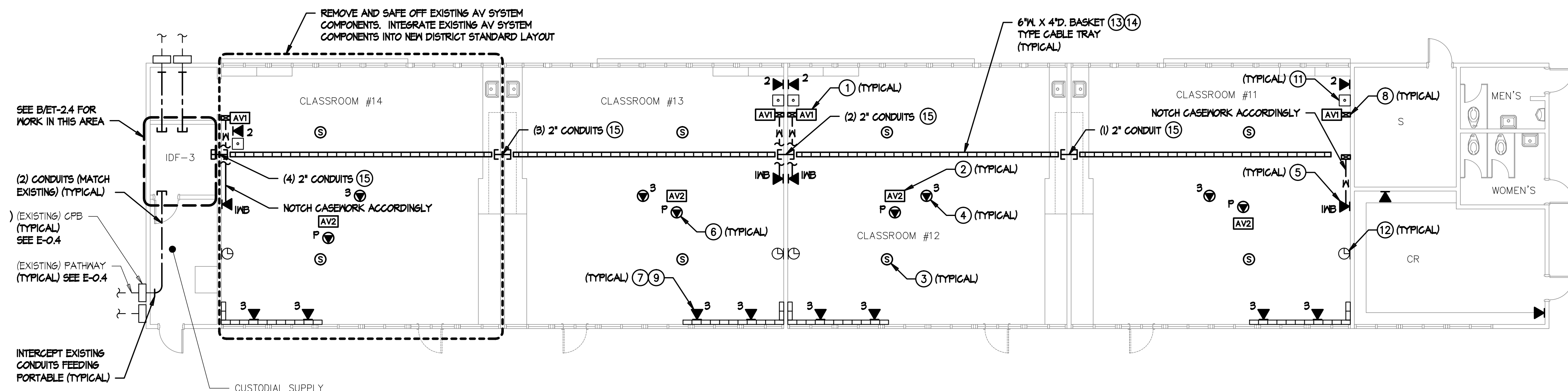
04-05-2012

JOB #

11345

SHEET #

E-31



WING 3 - SIGNAL PLAN

KEYPLAN NTS

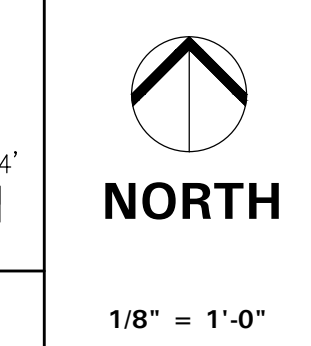
TURPIN & RATTAN
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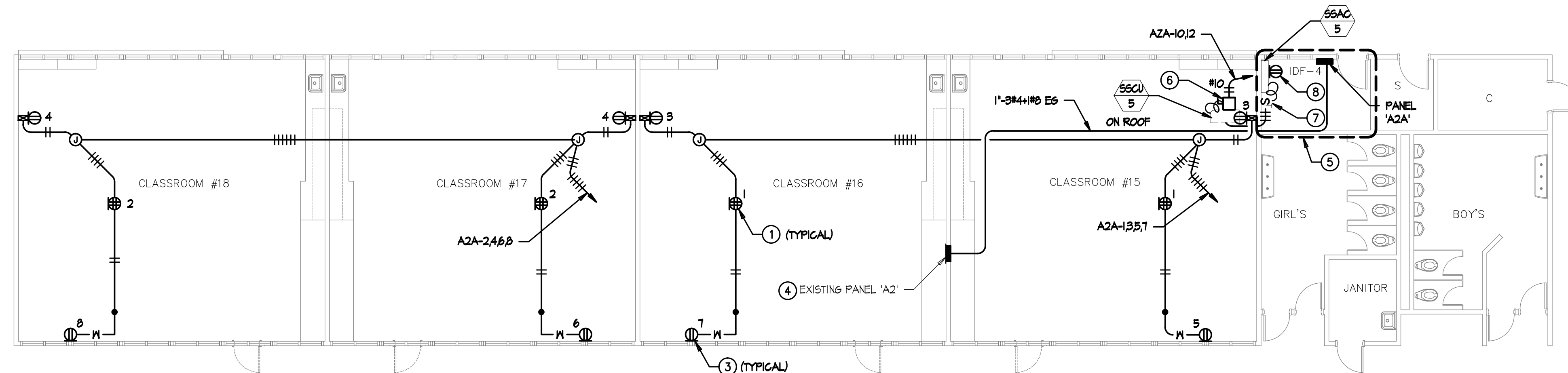
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 STEPHEN J. KORTUM
 13554
 Exp. 9-30-12
 State of California

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
 BICSI
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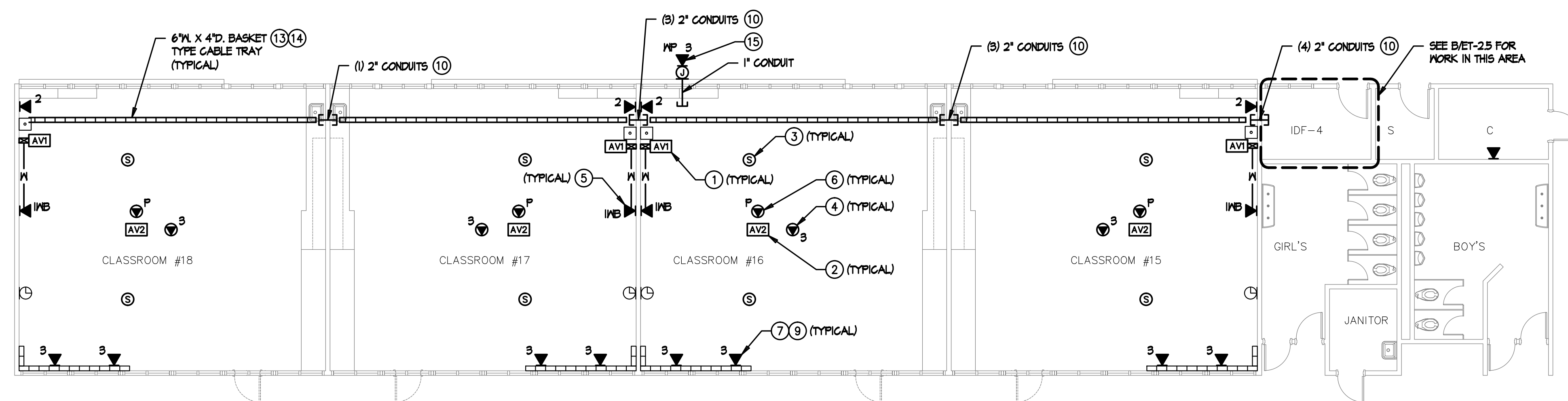
MARK FORTIE, RCDD

04/02/12





WING 4 - POWER PLAN



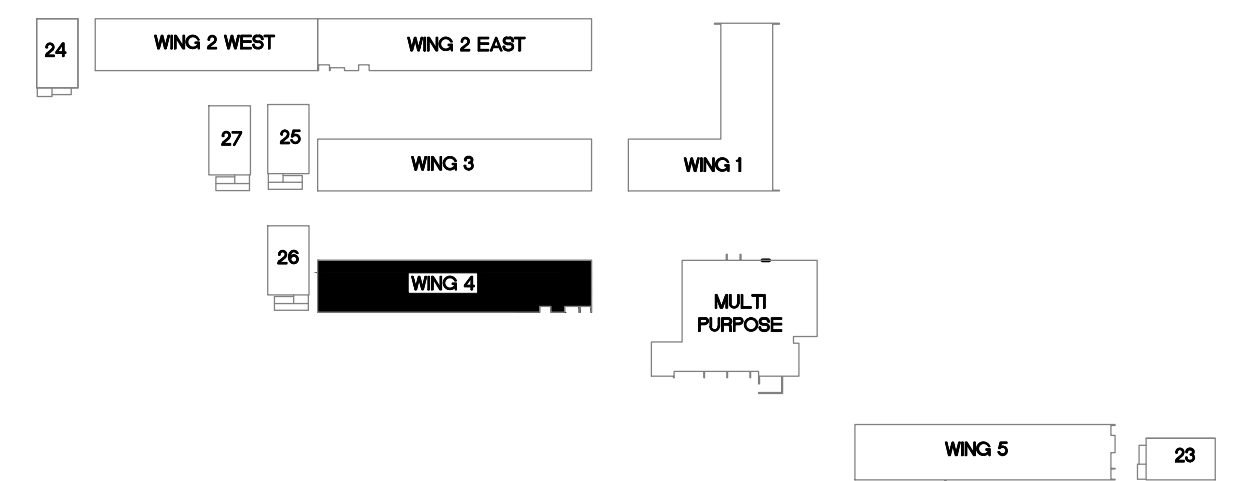
WING 4 - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① MOUNT DOUBLE DUPLEX RECEPTACLE 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 2800 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS. PROVIDE FURRING AS REQUIRED.
- ④ SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- ⑤ PROVIDE NEW POWER OUTLETS FOR IDF. SEE SHEET ET-25 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 MDF ROOM. PATCH/REPAIR/SEAL ROOF PENETRATION.
- ⑦ PROVIDE NEMA 1, DPST 240 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-23 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 AND ET-5.5 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 AND ET-5.5 FOR DETAILS.
- ④ (B) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO CABLE TRAY. SEE DETAIL C/ET-5.2
- ⑤ (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. LOCATION TO BE AT CENTER OF TEACHING WALL AT +18" AFF.
- 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. PROVIDE AND UTILIZE 'J-HOOK' SUPPORTS EVERY 4' IN ACCESSIBLE CEILING SPACE TO CABLE TRAY. 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 2-6ANG ENB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL A/ET-5.5.
- ⑨ SEE A/B/ET-5.3 FOR LABELING DETAILS.
- ⑩ SEE C/E-0.1 FOR PENETRATION DETAIL.
- ⑪ EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- ⑫ DISTRICT CLOCK TO REMAIN.
- ⑬ MOUNTED ABOVE CEILING GRID. COORDINATE INSTALLATION WITH OTHER TRADES. SEE DETAIL A/ET-5.2 FOR INSTALLATION.
- ⑭ PROVIDE CONTINUOUS #6 AWG GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO TM6B IN MDF ROOM.
- ⑮ DATA OUTLET FOR EXTERIOR MAP MOUNTED ON UNDERSIDE OF ROOF OVERHANG.

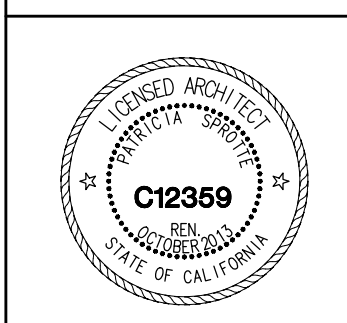


KEYPLAN

NTS

<p>NORTH</p> <p>1/8" = 1'-0"</p>		<p>MARK FORTIE, RCDD</p>	<p>TURPIN & RATTAN ENGINEERING, INC.</p> <p>CONSULTING ELECTRICAL ENGINEERS</p> <p>4719 PALM AVENUE LA MESA, CA 91941-5221 619-465-6224 FAX 619-465-6233 E-MAIL: ENGINEER@TRSD.COM</p> <p>TREI # 11345</p> <p>V.PHATHANAK 04/02/12 - B:04PM</p>
			<p>04-05-2012</p>

SPROTTE WATSON
 ARCHITECTURE | PLANNING



IT UPGRADE
FUERTE ELEMENTARY SCHOOL
 CAJON VALLEY UNION SCHOOL DISTRICT
 11625 FUERTE DRIVE
 EL CAJON, CA 92020

CONSULTANT

APPROVALS

DESCRIPTION

WING 4 POWER/SIGNAL PLANS

DATE

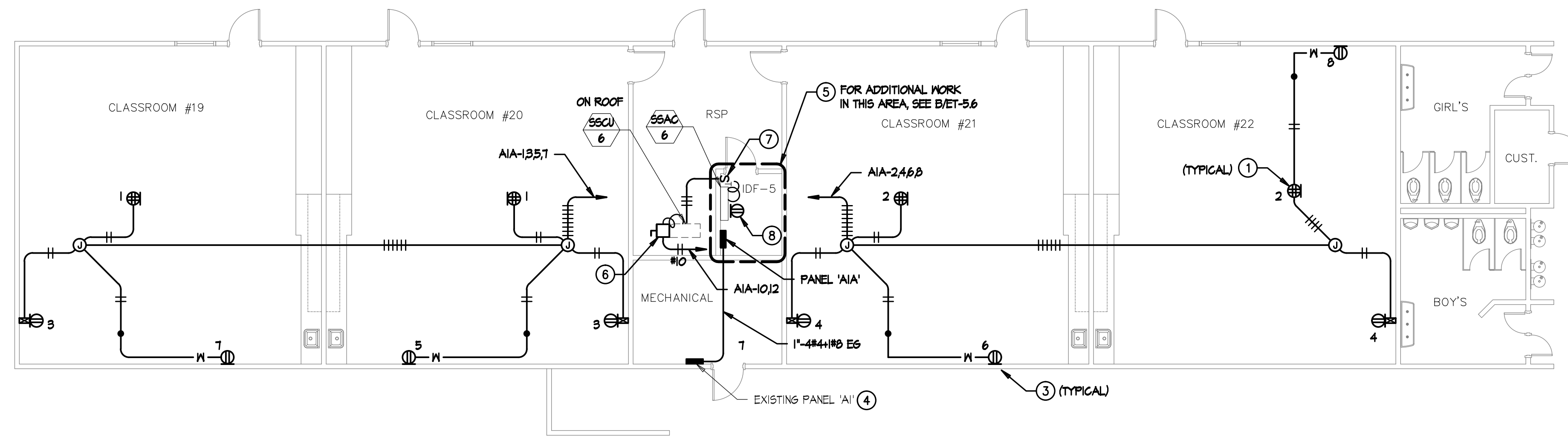
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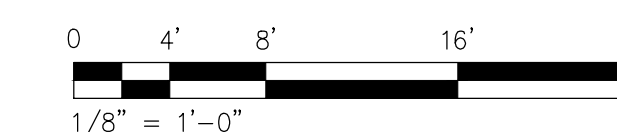
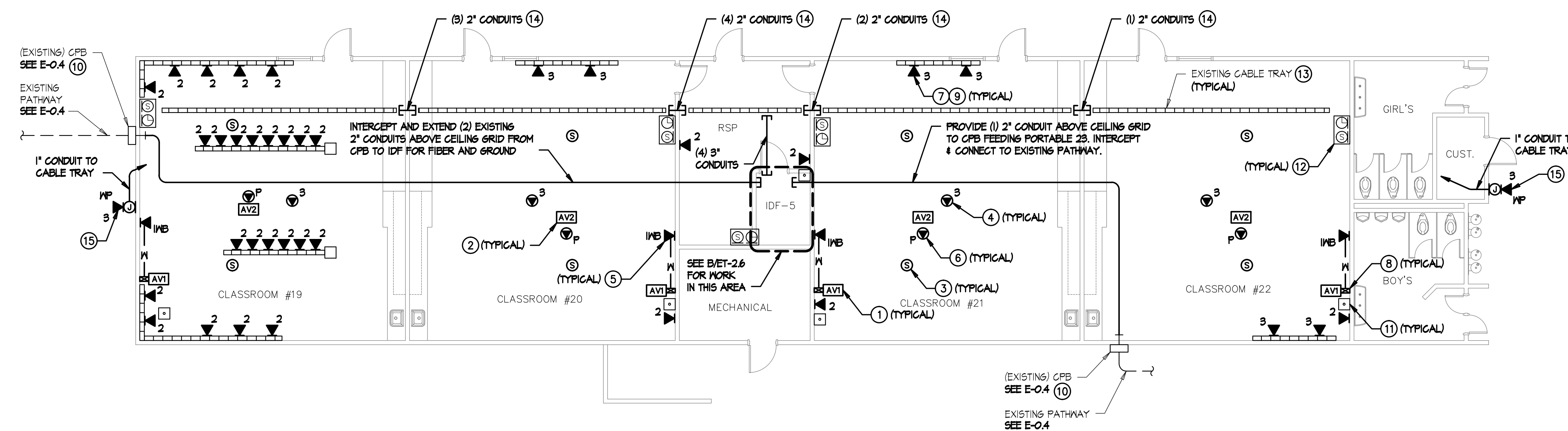
11345

SHEET #

E-4.1



WING 5 - POWER PLAN



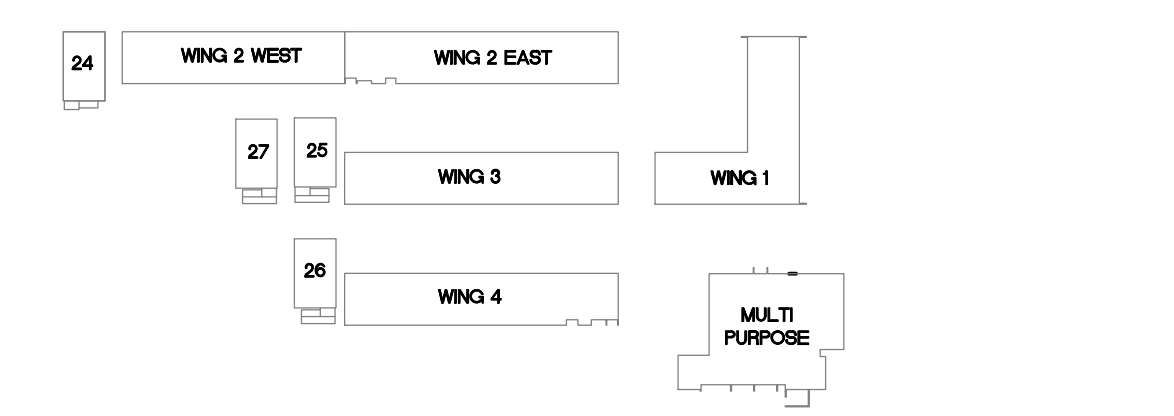
WING 5 - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① MOUNT DOUBLE DUPLEX RECEPTACLE 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 2500 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS. PROVIDE FURRING AS REQUIRED.
- 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"-3#12 DOWN TO FAN COIL UNIT IN MDF ROOM. PATCH/REPAIR/SEAL ROOF PENETRATION.
- ⑦ PROVIDE NEMA 1, 1P250 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-2.3 FOR BRANCH CIRCUIT REQUIREMENT.
- ⑨ NEW 1'X4' FLUORESCENT W/RA-AROUND FIXTURE WITH (2) T8 CAMPS. CONNECT TO NEAREST 120V LIGHTING SOURCE AS REQUIRED.

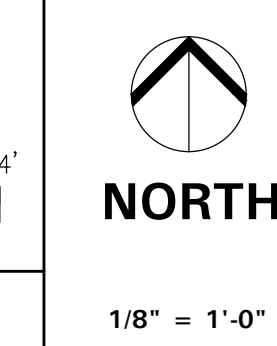
SIGNAL PLAN KEYNOTES

- 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 AND ET-5.5 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 AND 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 CABLE TRAY. SEE DETAIL C/ET-5.2
- ⑤ (1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. LOCATION TO BE AT CENTER OF TEACHING WALL AT +18" AFF.
- 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; PROVIDE AND UTILIZE 'J-HOOK' SUPPORTS EVERY 4' IN ACCESSIBLE CEILING SPACE TO CABLE TRAY. 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-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 EXISTING PHONE (BOSEN HANDSET), TO REMAIN.
- ⑫ DISTRICT CLOCK TO REMAIN.
- ⑬ PROVIDE CONTINUOUS #6 AWG GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO TMSB IN MDF ROOM.
- ⑭ SEE C/E-8.1 FOR PENETRATION DETAIL.
- ⑮ DATA OUTLET FOR EXTERIOR MAP AT +10" AFF.

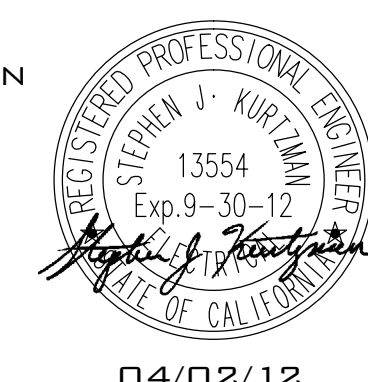


KEYPLAN

NTS

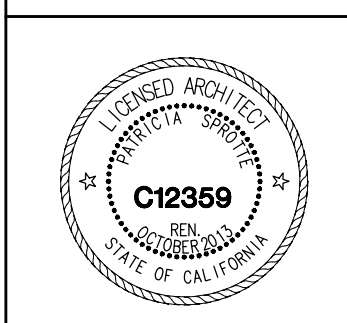


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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BCSI
EXPIRES 12/31/13
Regis. No. 081432

04/02/12



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APPROVALS

DESCRIPTION

WING 5
POWER/SIGNAL
PLANS

DATE

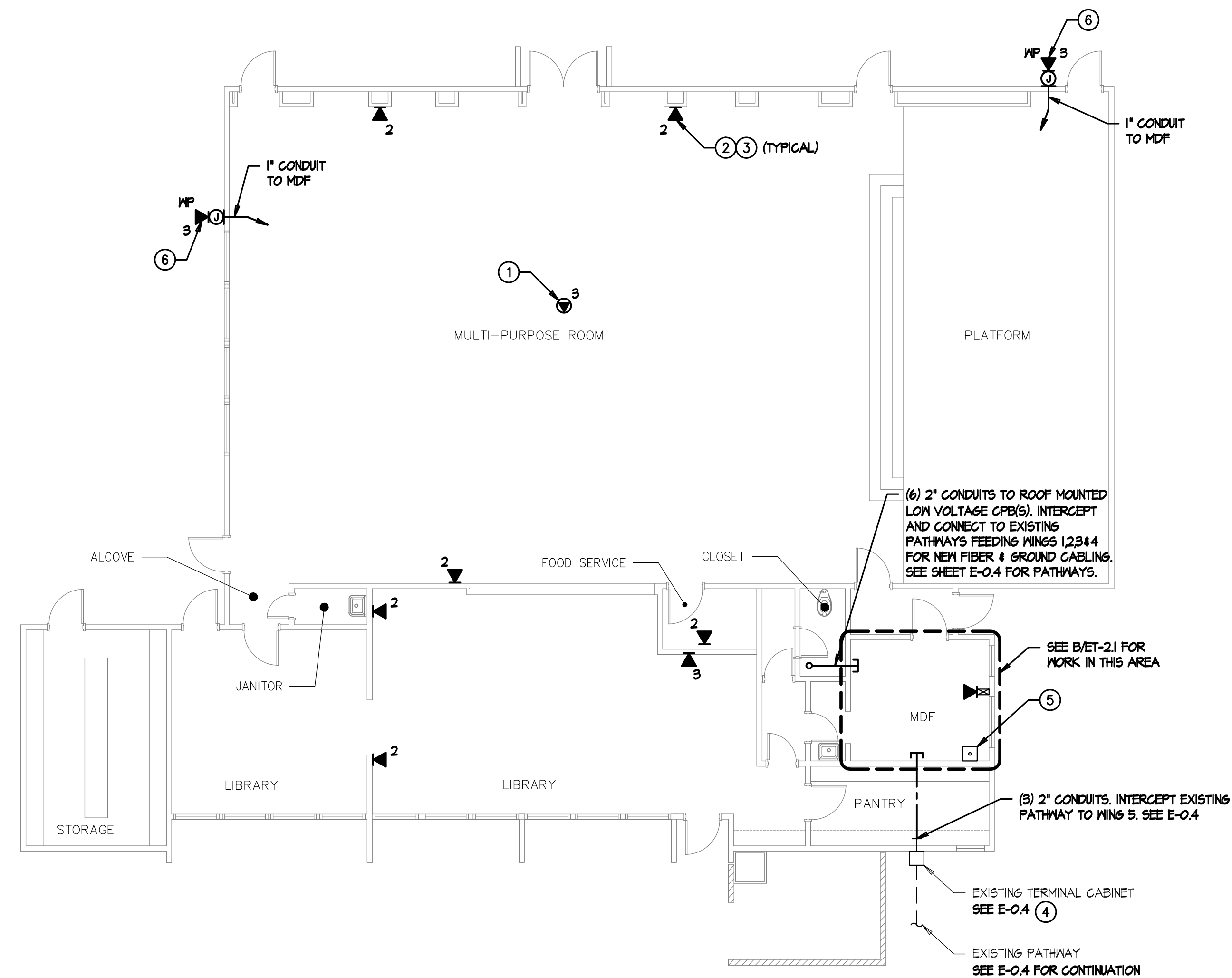
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JOB #

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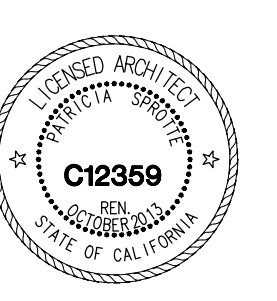
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E-5.1

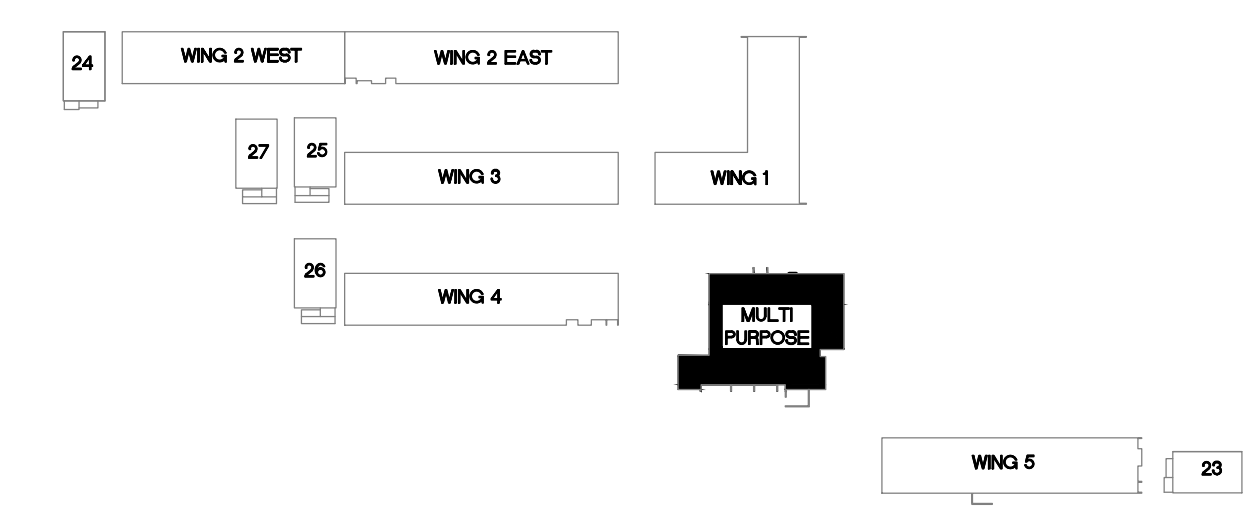


SIGNAL PLAN KEYNOTES

- ① (3) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO MDF. SEE DETAIL C/ET-5.2.
- ② CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO MDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION; PROVIDE AND UTILIZE 'J-HOOK' SUPPORTS EVERY 4' IN ACCESSIBLE CEILING SPACE TO MDF. SEE DETAIL C/ET-5.2. SEE RISER DIAGRAM A/ET-1.3 FOR DETAILS.
- ③ SEE A/B/ET-5.3 FOR LABELING DETAILS.
- ④ SEE D/ET-5.3 FOR LABELING DETAILS.
- ⑤ EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- ⑥ DATA OUTLET FOR EXISTING MAP AT +10' AFF.



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APPROVALS

DESCRIPTION

MULTI-PURPOSE SIGNAL PLAN

DATE

04-05-2012

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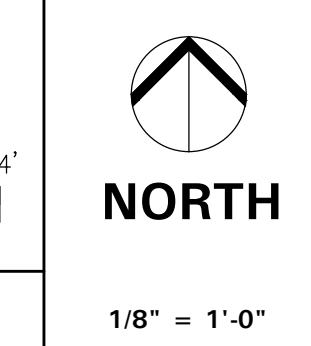
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E-6.2

KEYPLAN



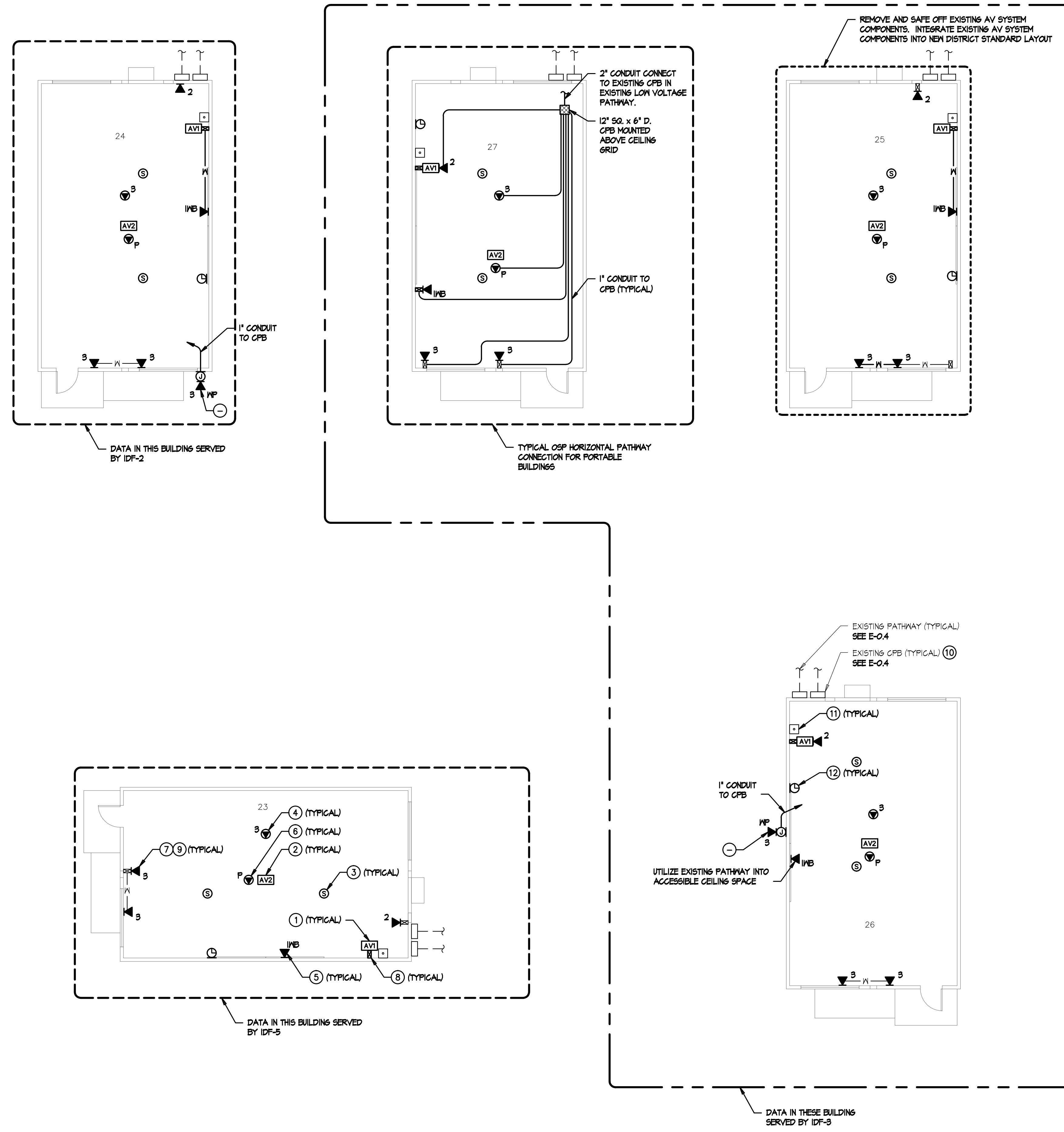
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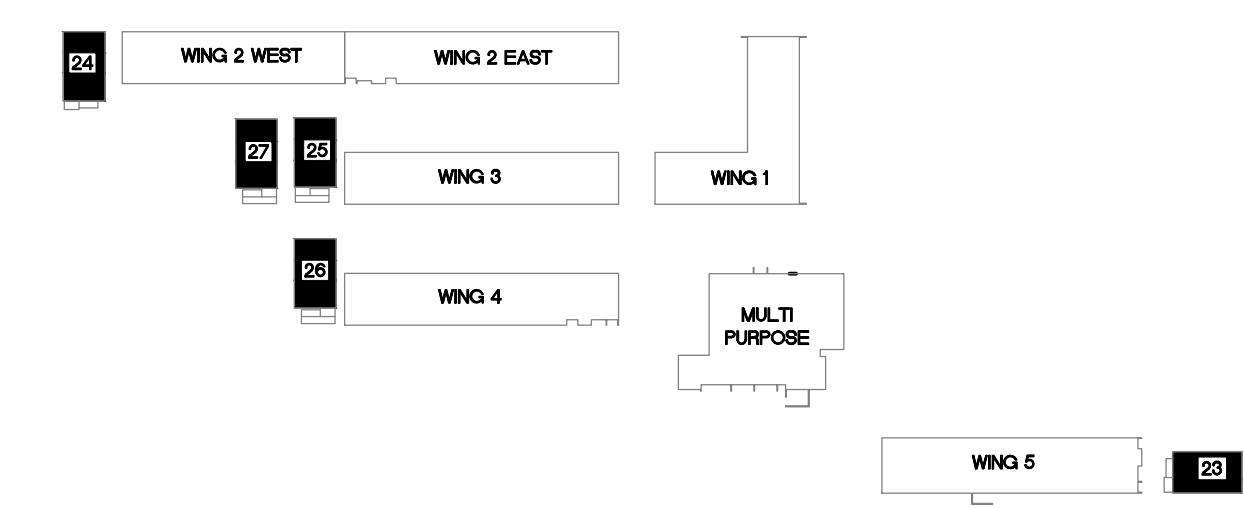
REGISTERED PROFESSIONAL ENGINEER
 STEPHEN J. KORTUM
 13554
 Exp. 9-30-12
 STATE OF CALIFORNIA
 REGISTERED COMMUNICATIONS DESIGNER
 BICSI
 EXPIRES 12/31/13
 Regis. No. 081432

MULTI-PURPOSE - SIGNAL PLAN



SIGNAL PLAN KEYNOTES

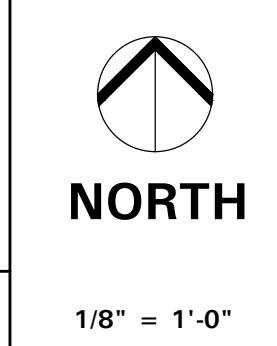
- 1 AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT 48" AFF. SEE ET-5.4 FOR DETAILS.
- 2 AV2 OUTLET MOUNTED AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 AND ET-5.5 FOR DETAILS.
- 3 AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 AND ET-5.5 FOR DETAILS.
- 4 (B) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK.
- 5 (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. LOCATION TO BE AT CENTER OF TEACHING WALL AT 48" AFF.
- 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; CONNECT TO NEW 1" CONDUIT ABOVE CEILING GRID TO CPB AS SHOWN ON PLANS. SEE RISER DIAGRAM AVET-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 AVET-5.5.
- 9 SEE AV/ET-5.3 FOR LABELING DETAILS.
- 10 SEE D/ET-5.3 FOR LABELING DETAILS.
- 11 EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- 12 DISTRICT CLOCK TO REMAIN.



KEYPLAN

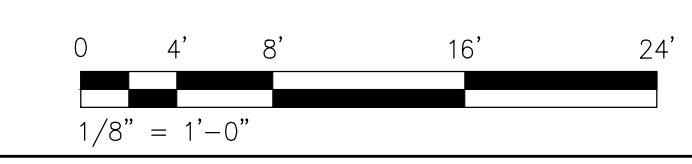


NTS



NORTH

1/8" = 1'-0"



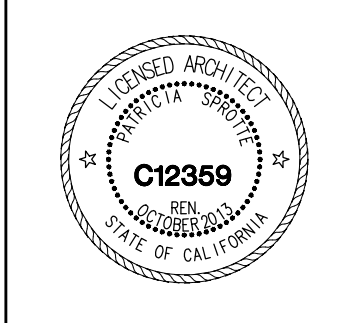
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IT UPGRADE
FUERTE ELEMENTARY SCHOOL
 CAJON VALLEY UNION SCHOOL DISTRICT
 11625 FUERTE DRIVE
 EL CAJON, CA 92020

CONSULTANT

APPROVALS

DESCRIPTION

RELO SIGNAL PLANS

DATE

04-05-2012

JOB #

11345

SHEET #

E-72

RELO - SIGNAL PLANS