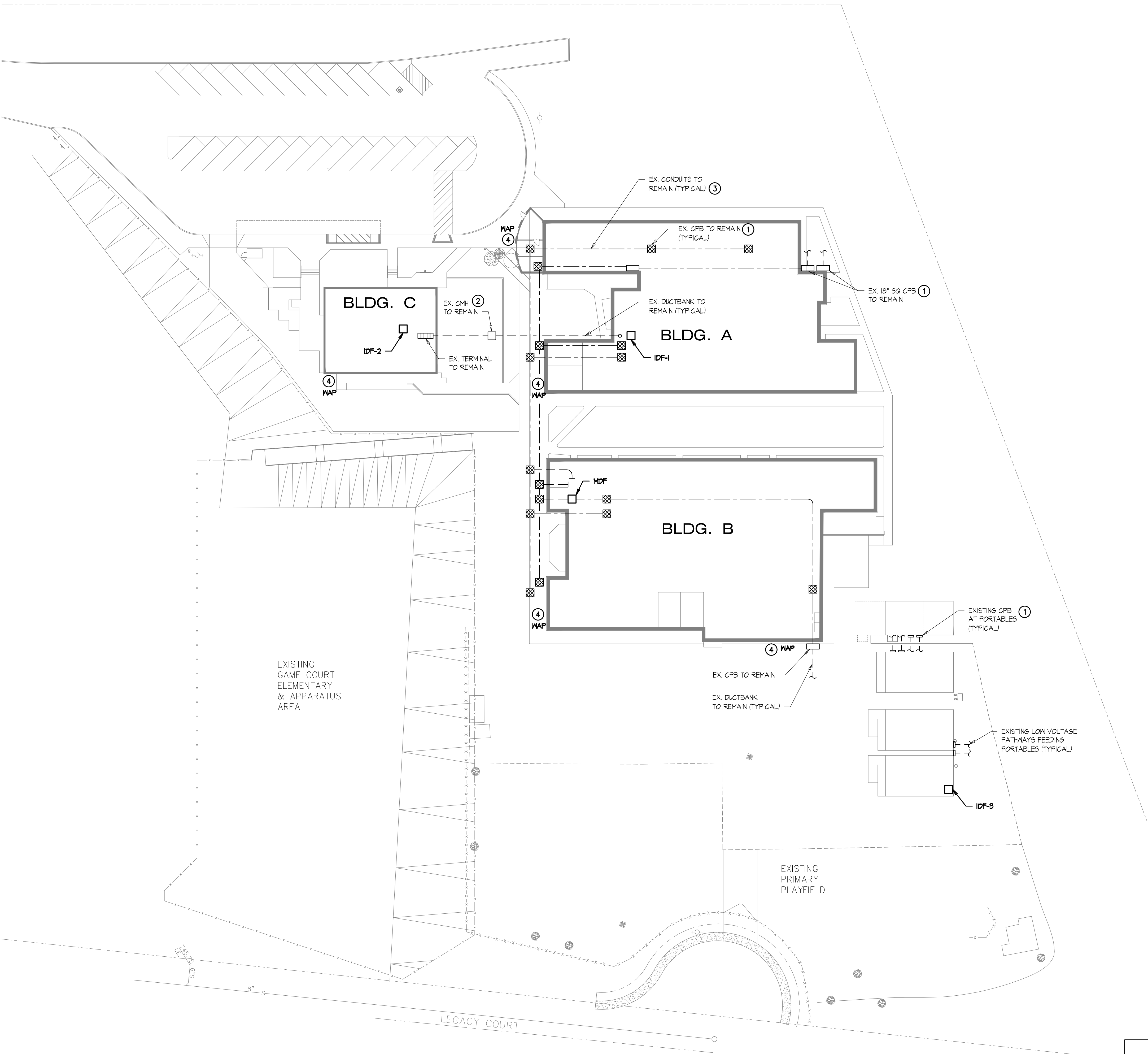




- KEYNOTES**
- ① SEE DETAIL D/ET-5.3 FOR LABELING.
 - ② SEE DETAIL C/ET-5.3 FOR LABELING.
 - ③ SEE DETAIL F/ET-5.3 FOR FIBER DISTRIBUTION.
 - ④ EXTERIOR WIRELESS ACCESS POINT. SEE FLOOR PLANS FOR DETAILS.

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.

GENERAL NOTES:

- I. CONTRACTOR TO UTILIZE EXISTING DUCTBANKS AND CONDUIT PATHWAYS TO FEED IDF LOCATIONS WITH NEW FIBER. ENSURE CONDUITS PENETRATING ROOF STRUCTURES ARE FIRE STOPPED TO MAINTAIN ROOF RATING AND CAULKED AND SEALED TO PREVENT WEATHER INTRUSION.

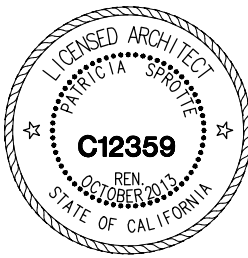
SIGNAL SITE PLAN

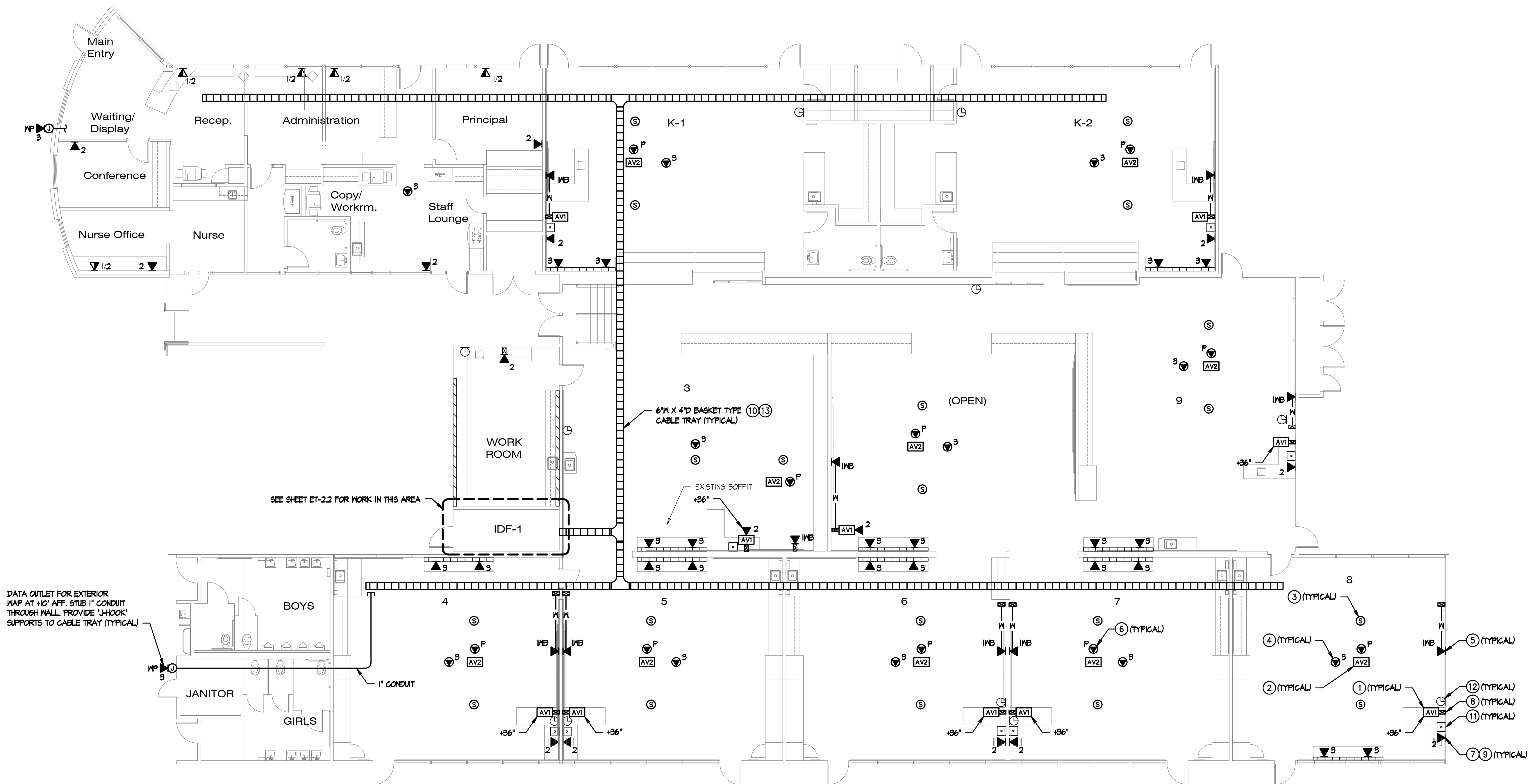


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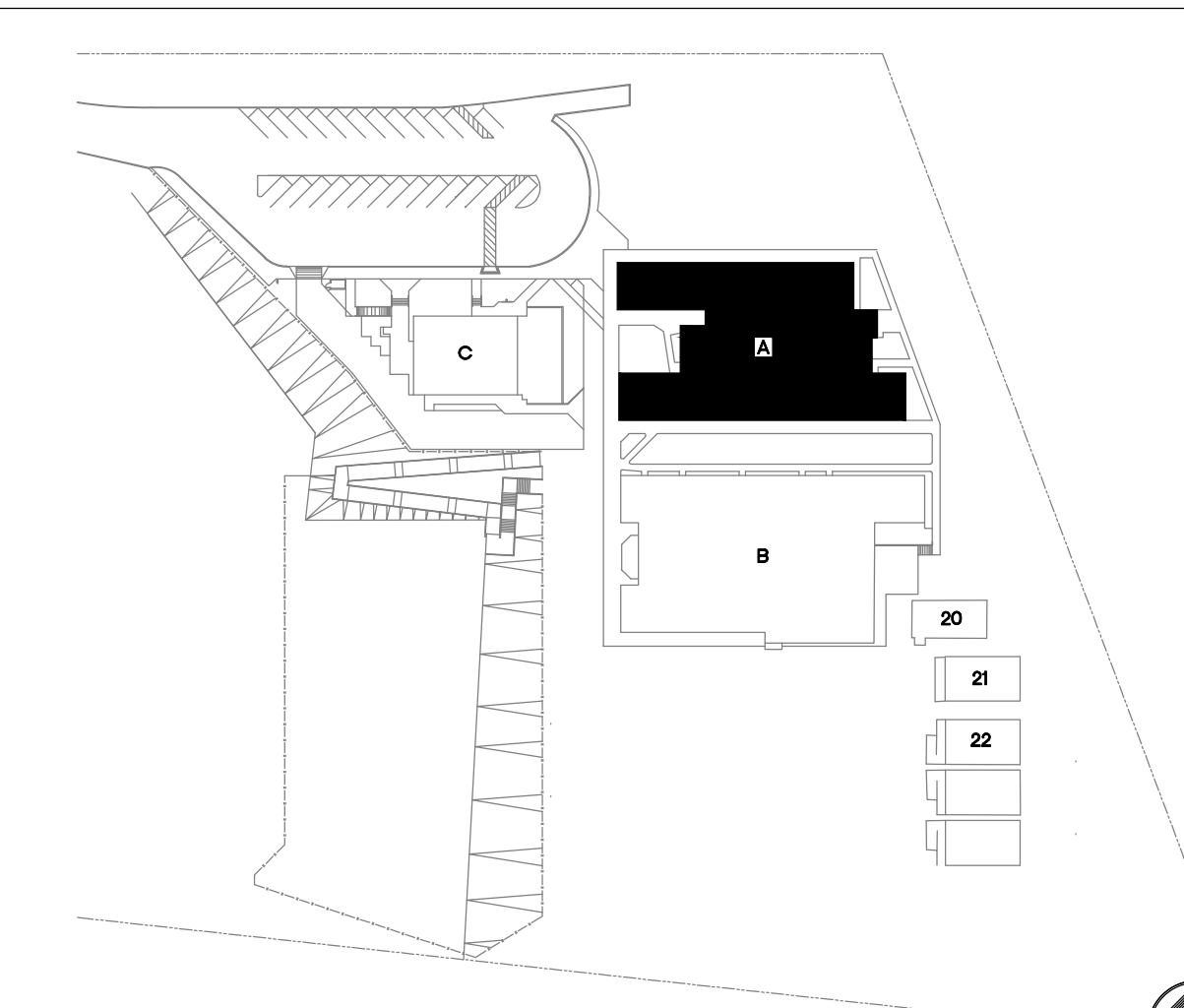


DATA OUTLET FOR EXTERIOR
MAP AT +10' AFF. STUB 1" CONDUIT
THROUGH MALL. PROVIDE 'J-HOOK'
SUPPORTS TO CABLE TRAY (TYPICAL)

SEE SHEET ET-2.2 FOR WORK IN THIS AREA

SIGNAL PLAN KEYNOTES

- AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +10' 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.
- (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.
- (1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. LOCATION TO BE AT CENTER OF TEACHING WALL AT +10' AFF.
- (1) PORT CATEGORY 6 DATA OUTLET AT PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE.
- CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEMAY 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.
- 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.
- SEE A/B/ET-5.3 FOR LABELING DETAILS.
- PROVIDE CONTINUOUS #6 AWG GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO THGB IN MDF ROOM.
- EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- DISTRICT CLOCK TO REMAIN.
- 6" WIDE BASKET TYPE CABLE TRAY MOUNTED ABOVE CEILING GRID FROM IDF. COORDINATE INSTALLATION WITH OTHER TRADES. SEE DETAIL A/ET-5.2 FOR INSTALLATION.



KEYPLAN

NTS

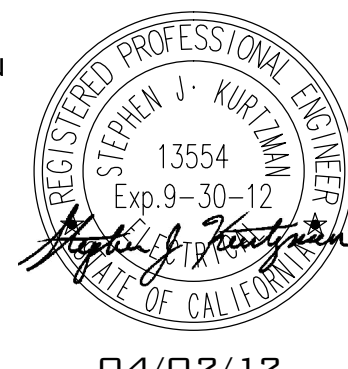


NORTH

1/8" = 1'-0"

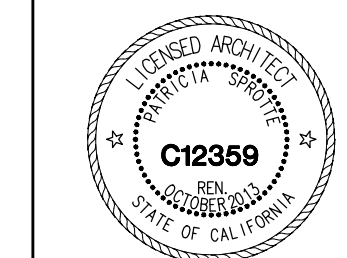
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BUILDING A - SIGNAL PLAN



CONSULTANT

APPROVALS

DESCRIPTION

BUILDING A
SIGNAL PLAN

DATE

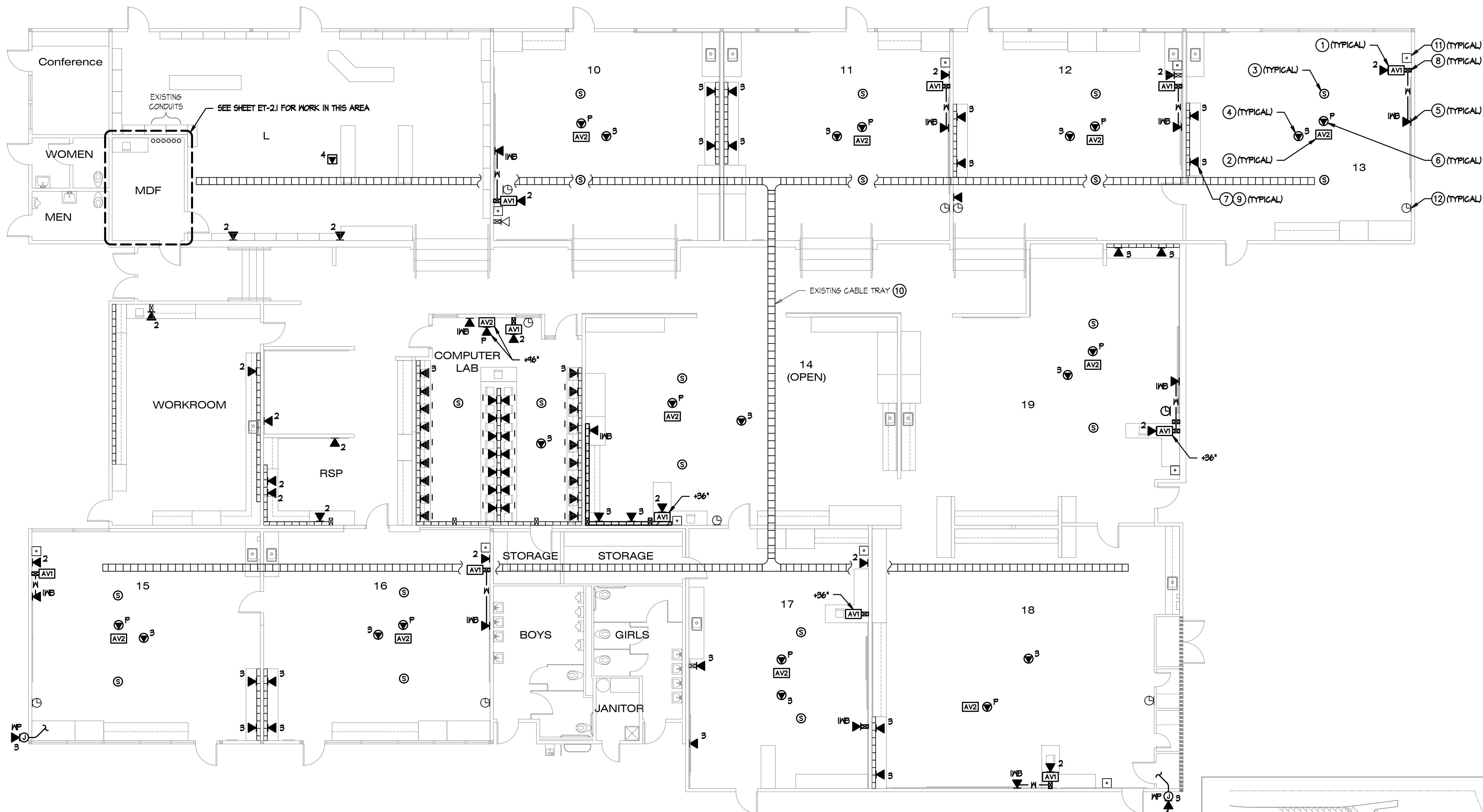
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JOB #

11346

SHEET #

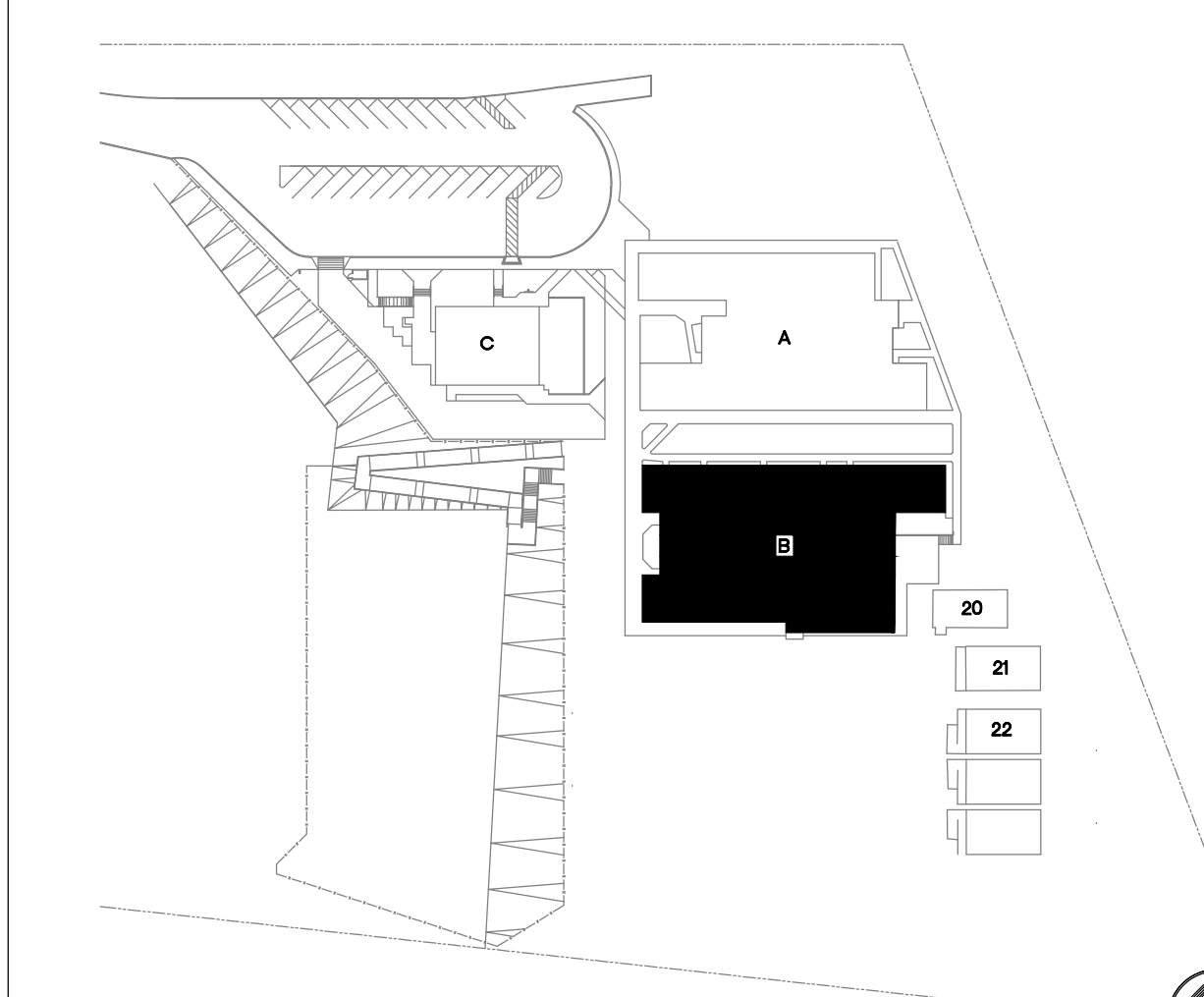
E-12



SIGNAL PLAN KEYNOTES

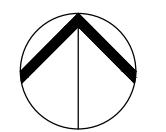
- 1 AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +10" AFF. SEE ET-5.4 FOR DETAILS.
- 2 AV2 OUTLET MOUNTED AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- 3 AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 & ET-5.5 FOR DETAILS.
- 4 (3) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO CABLE TRAY. SEE 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 +10" 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 2-6ANG ENB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL A/ET-5.5.
- 9 SEE A/B/ET-5.3 FOR LABELING DETAILS.
- 10 PROVIDE CONTINUOUS #6 AWG GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO TMGB IN MDF ROOM.
- 11 EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- 12 DISTRICT CLOCK TO REMAIN.

DATA OUTLET FOR EXTERIOR MAP AT +10" AFF. STUB 1" CONDUIT THROUGH WALL. PROVIDE 'J-HOOK' SUPPORTS TO CABLE TRAY (TYPICAL)



KEYPLAN

NTS



NORTH

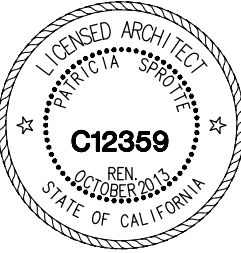
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DESCRIPTION

BUILDING B
SIGNAL PLAN

DATE

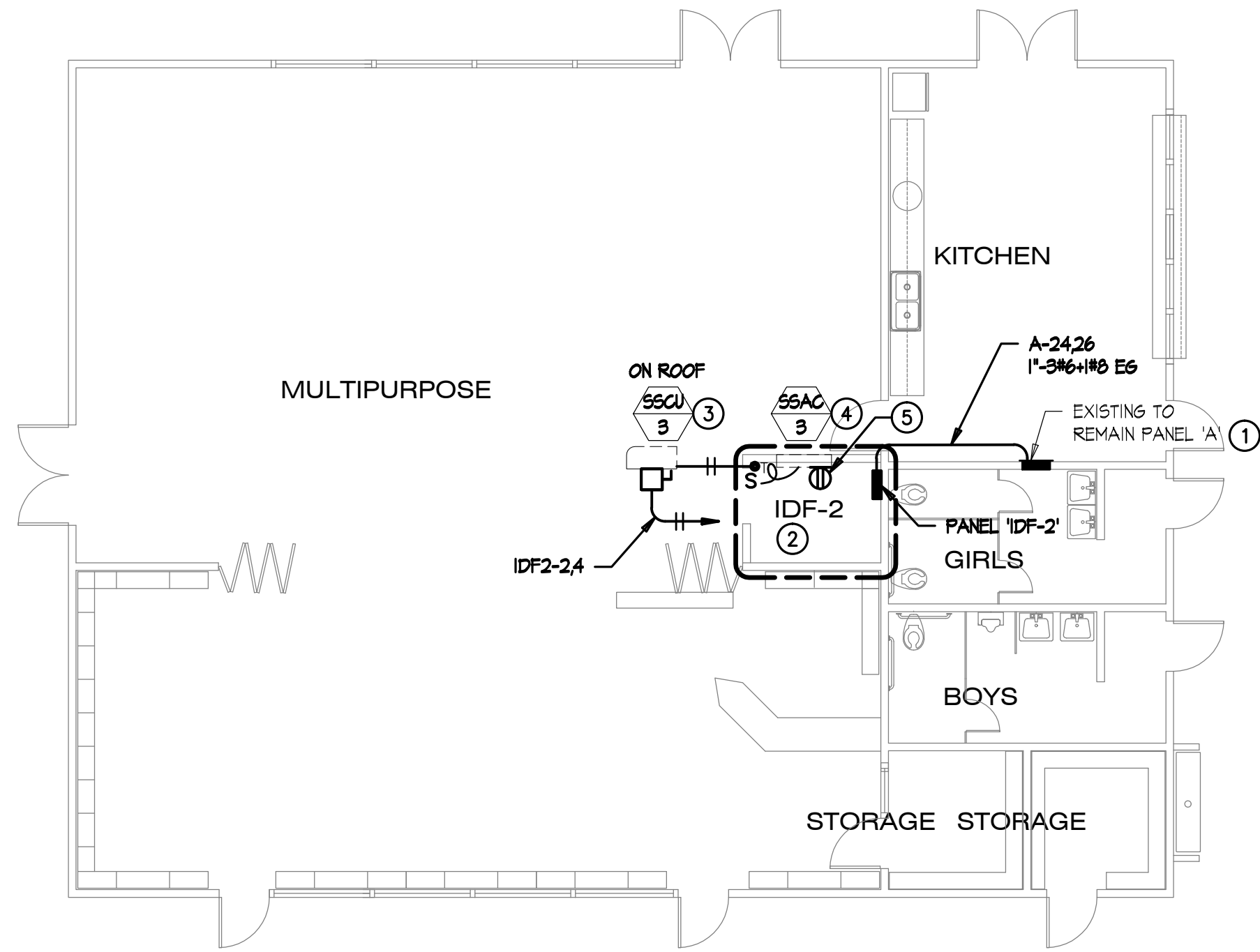
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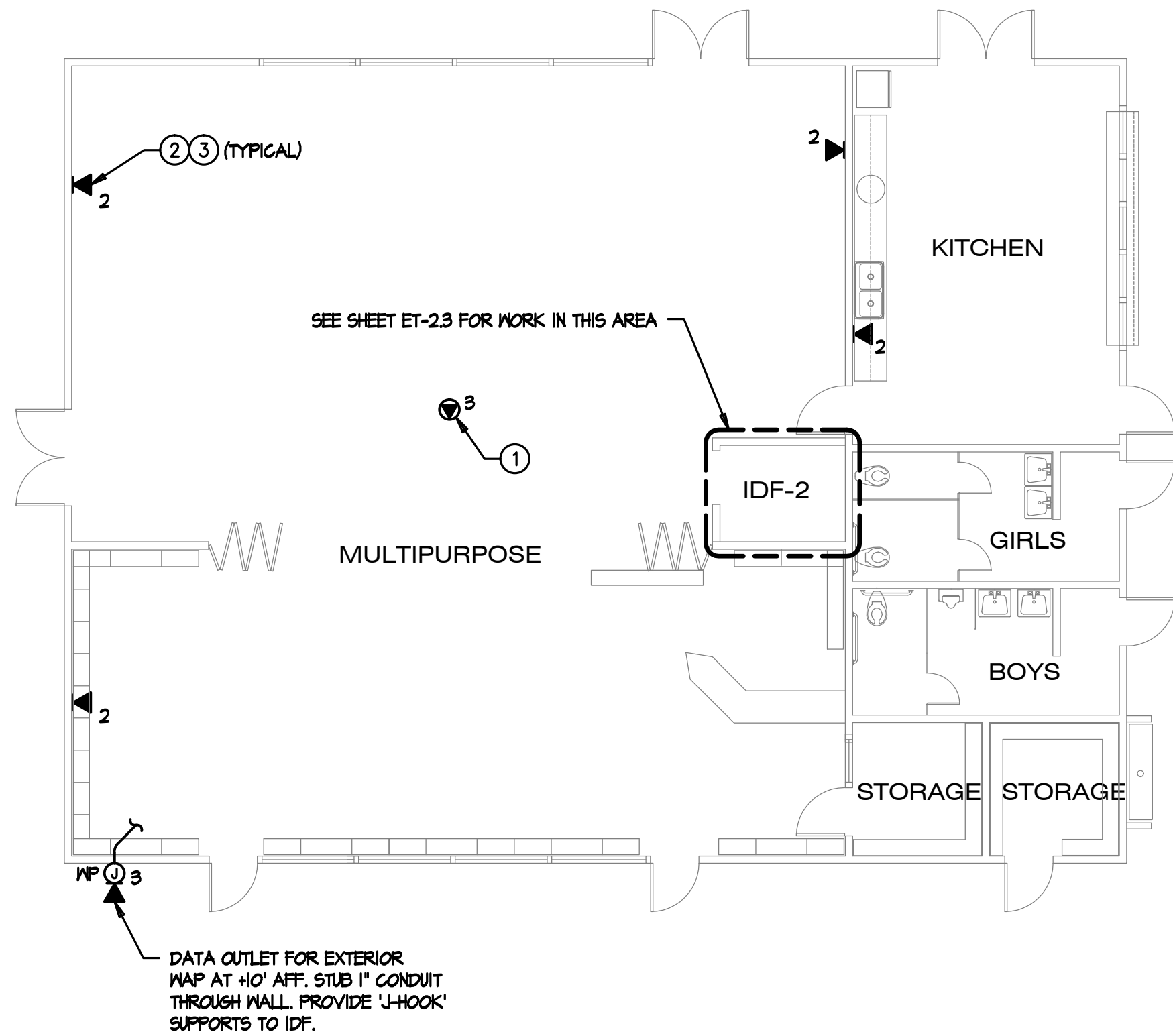
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SHEET #

E-22



BUILDING C - POWER PLAN

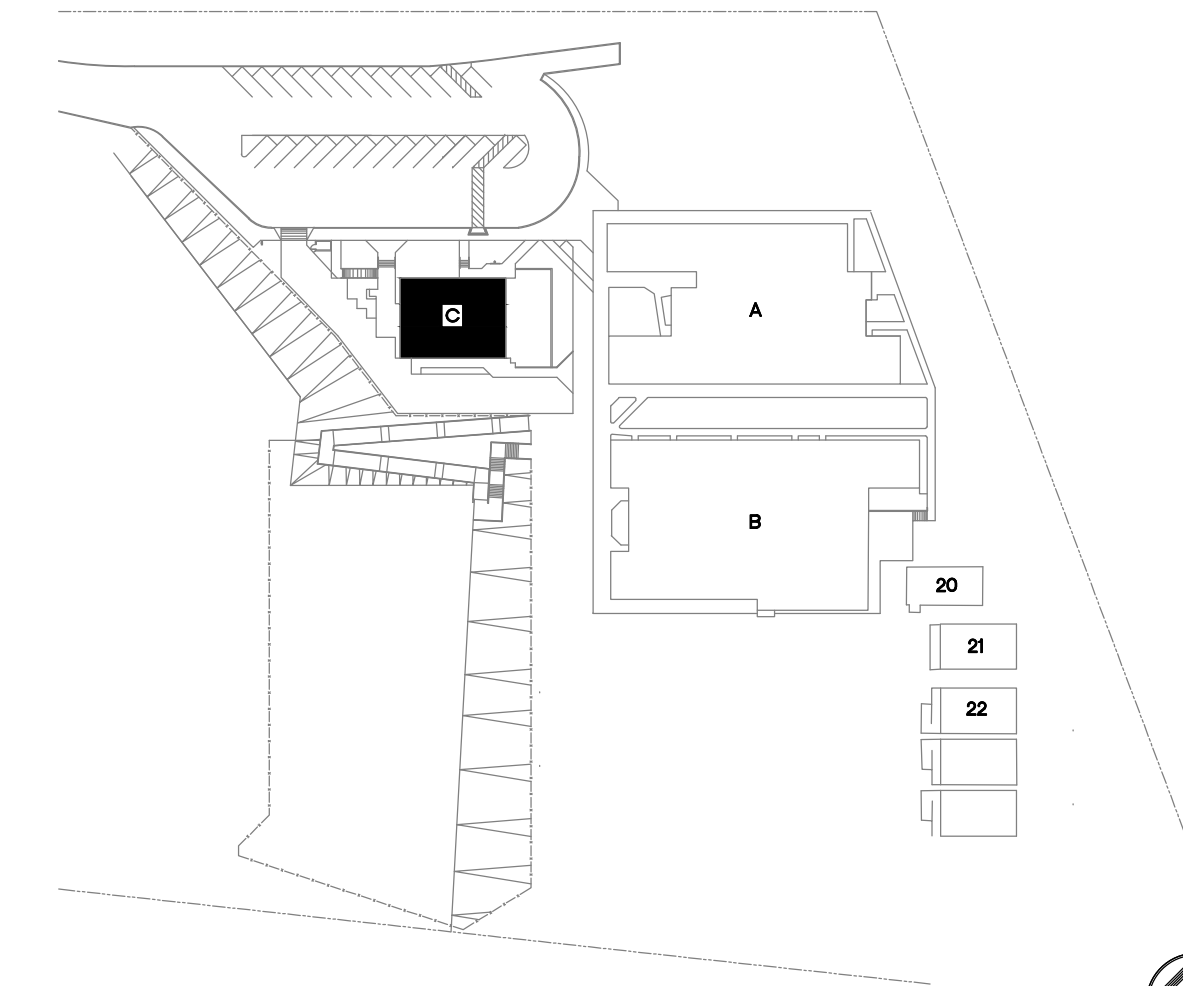


POWER PLAN KEYNOTES

- SEE RESPECTIVE PANEL SCHEDULE FOR ADDITIONAL WORK AT EXISTING PANEL.
- PROVIDE NEW POWER OUTLETS FOR IDF. SEE SHEET ET-2,3 ADDITIONAL POWER REQUIREMENTS.
- 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.
- PROVIDE NEMA 1, DPST 208 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-2,4 FOR BRANCH CIRCUIT REQUIREMENT.

SIGNAL PLAN KEYNOTES

- (3) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'J-HOOK' SUPPORTS EVERY 4' TO IDF. SEE DETAIL C/ET-5,2.
- 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 C/ET-5,2. SEE RISER DIAGRAM A/ET-1,3 FOR DETAILS.
- SEE A/B/ET-5,3 FOR LABELING DETAILS.



KEYPLAN

NTS

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Exp. 9-30-12
STATE OF CALIFORNIA
Stephen J. Kurtzman

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IT UPGRADE
RIOS ELEMENTARY SCHOOL
CAJON VALLEY UNION SCHOOL DISTRICT
14314 RIOS CANYON ROAD
EL CAJON, CA 92021

CONSULTANT

APPROVALS

DESCRIPTION

BUILDING C
POWER/SIGNAL

DATE

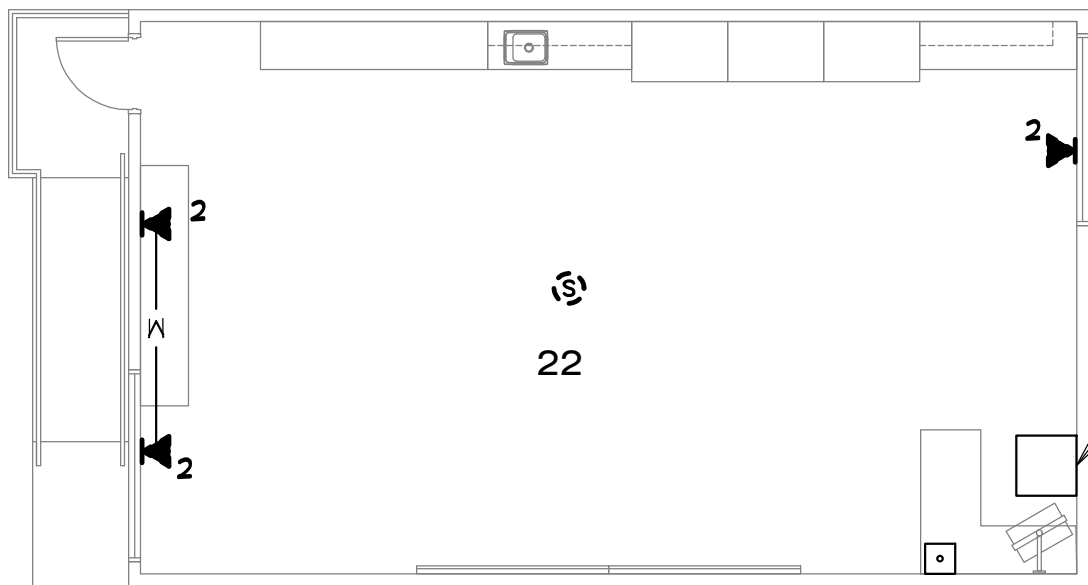
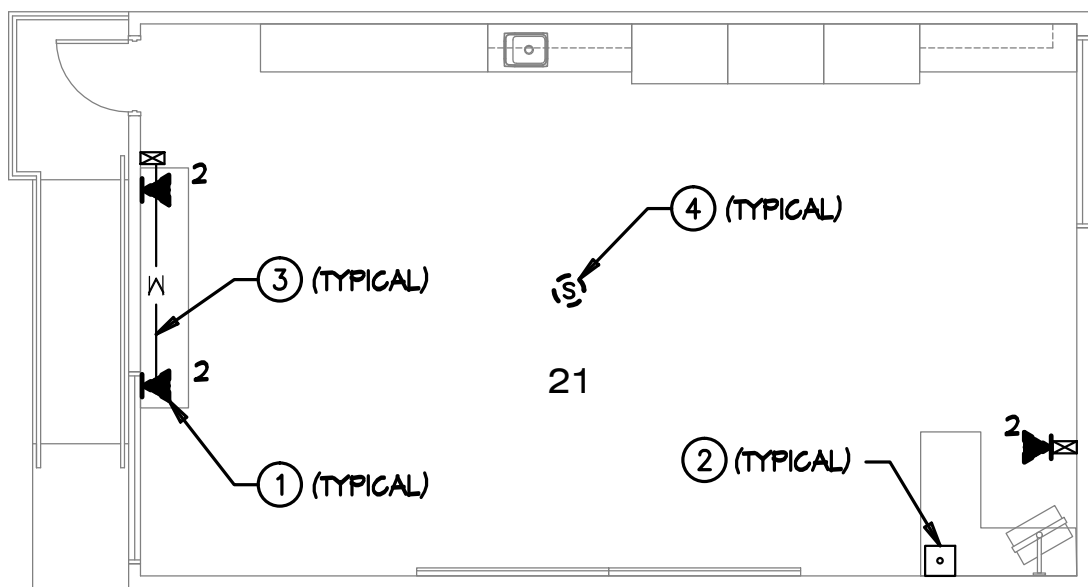
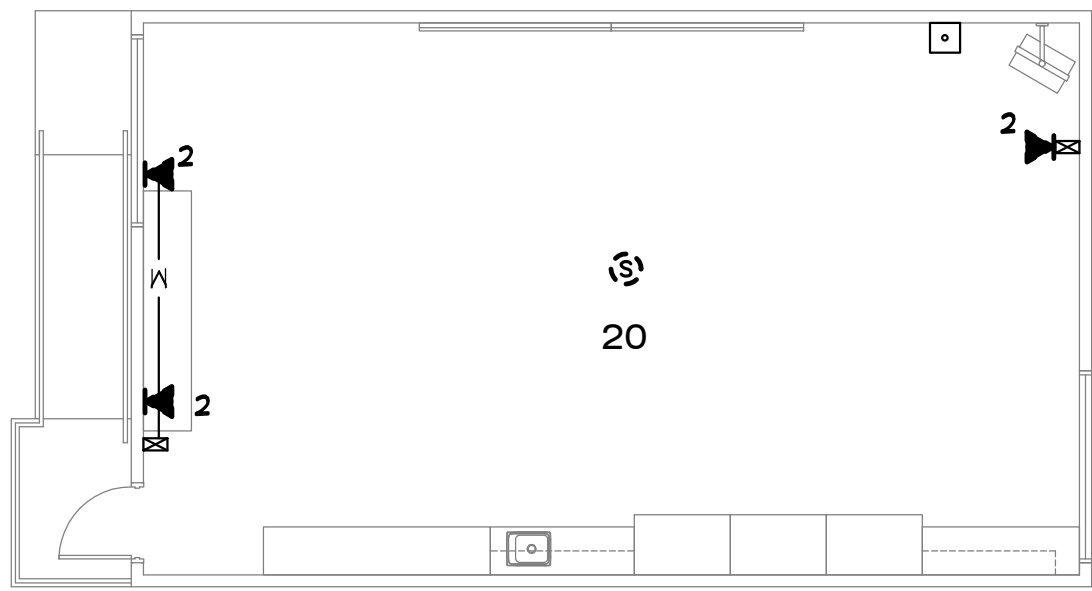
04-05-2012

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11346

SHEET #

E-31



(EXISTING) IDF-4.
CABINET TO REMAIN.
SEE DETAIL D/ET-2.0

KEYNOTES

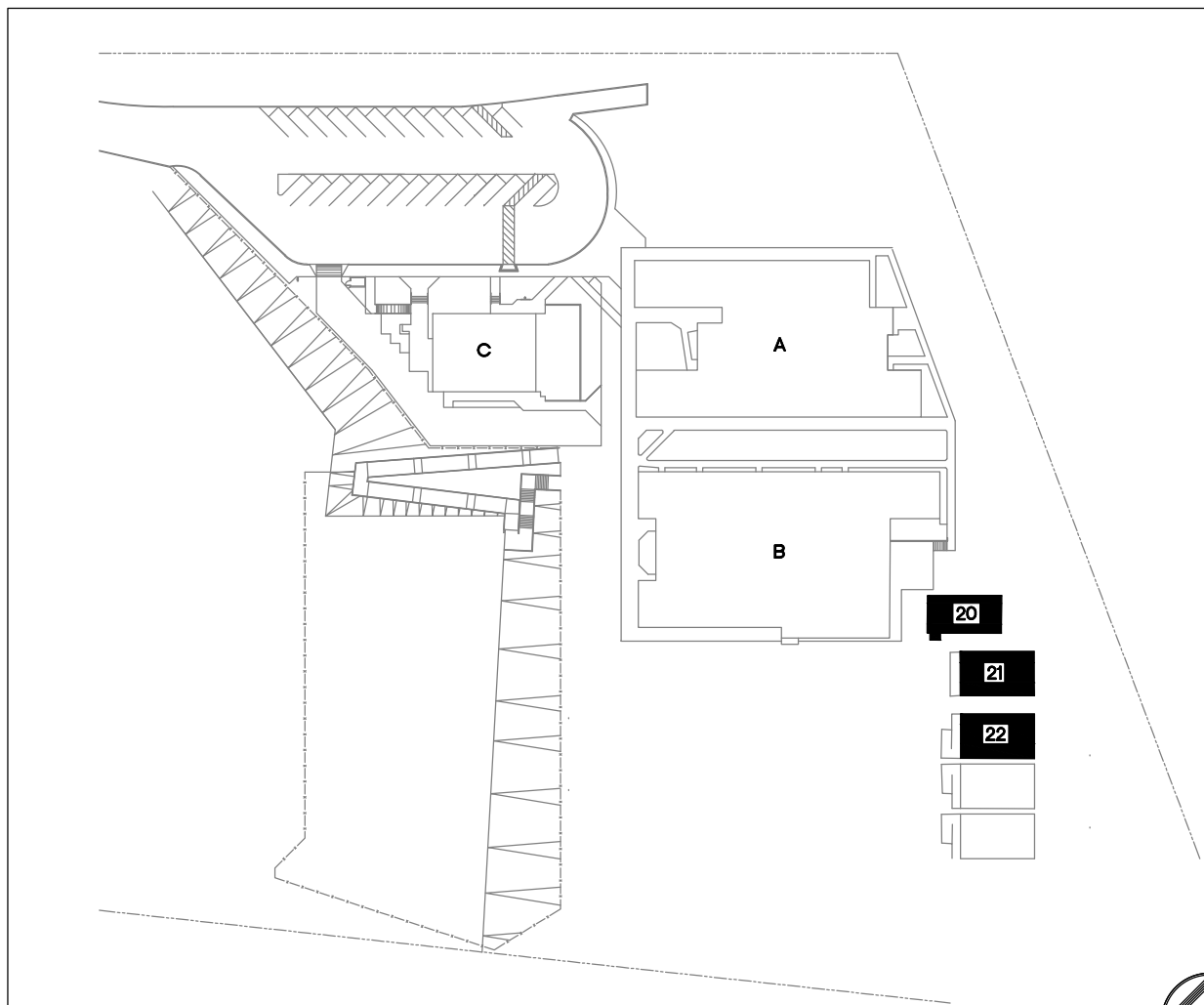
1. DISCONNECT DATA WIRING AND REMOVE DATA JACKS.
2. EXISTING PHONE TO REMAIN. (BOSEN HANDSET)
3. PRESERVE AND PROTECT IN PLACE EXISTING SURFACE RACEMAY.
4. DISCONNECT AND SAFE OFF SPEAKER WIRING FOR RECONNECTION TO NEW A/V SPEAKER SYSTEM. REMOVE SPEAKER AND RETURN TO DISTRICT; REPLACE CEILING TILE WHERE SPEAKER WAS LOCATED.

SPECIAL NOTE

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

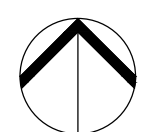
GENERAL NOTES

1. ALL EXISTING SYSTEMS NOT UPGRADED UNDER THIS CONTRACT TO REMAIN OPERATIONAL DURING CONSTRUCTION.
2. REMOVE ALL DISCONNECTED CABLING BACK TO SOURCE. NO CABLES ARE TO BE ABANDONED IN PLACE.
3. SEE DEMOLITION RISER, SHEETS ET-1.0, ET-1.1, & ET-1.2



KEYPLAN

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NORTH

1/8" = 1'-0"



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G:\11\11346\11346.00\ACADPROG\11346.00_E-4.0 PORTABLE DEMO PLAN.dwg 4/02/12 20:11:56

PORTABLE DEMOLITION PLAN

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APPROVALS

DESCRIPTION

PORTABLE
DEMOLITION
PLAN

DATE

04-05-2012

JOB #

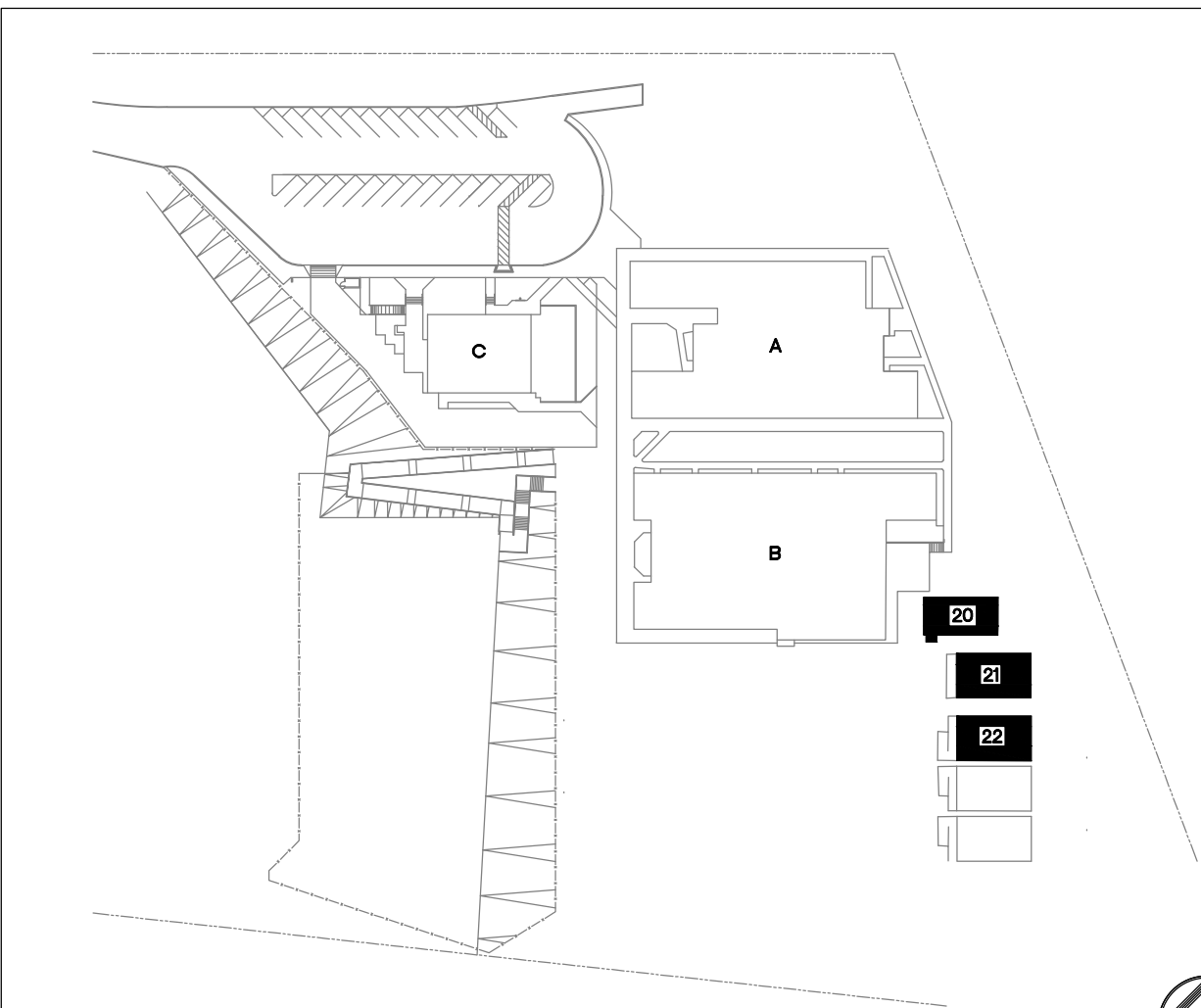
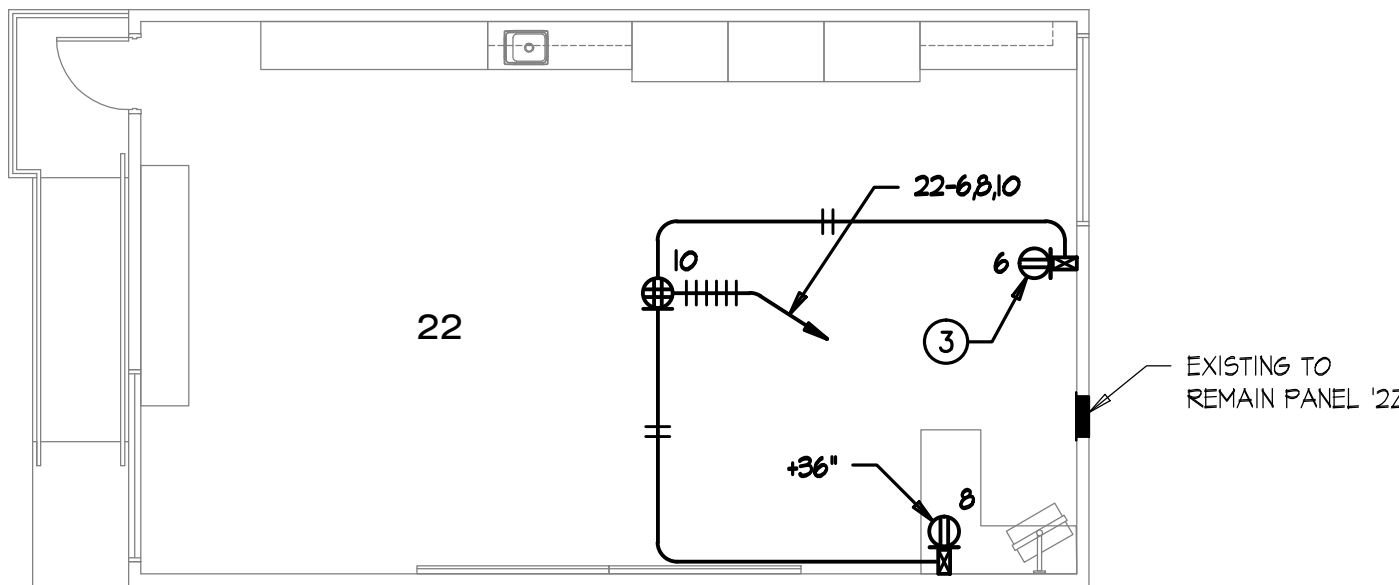
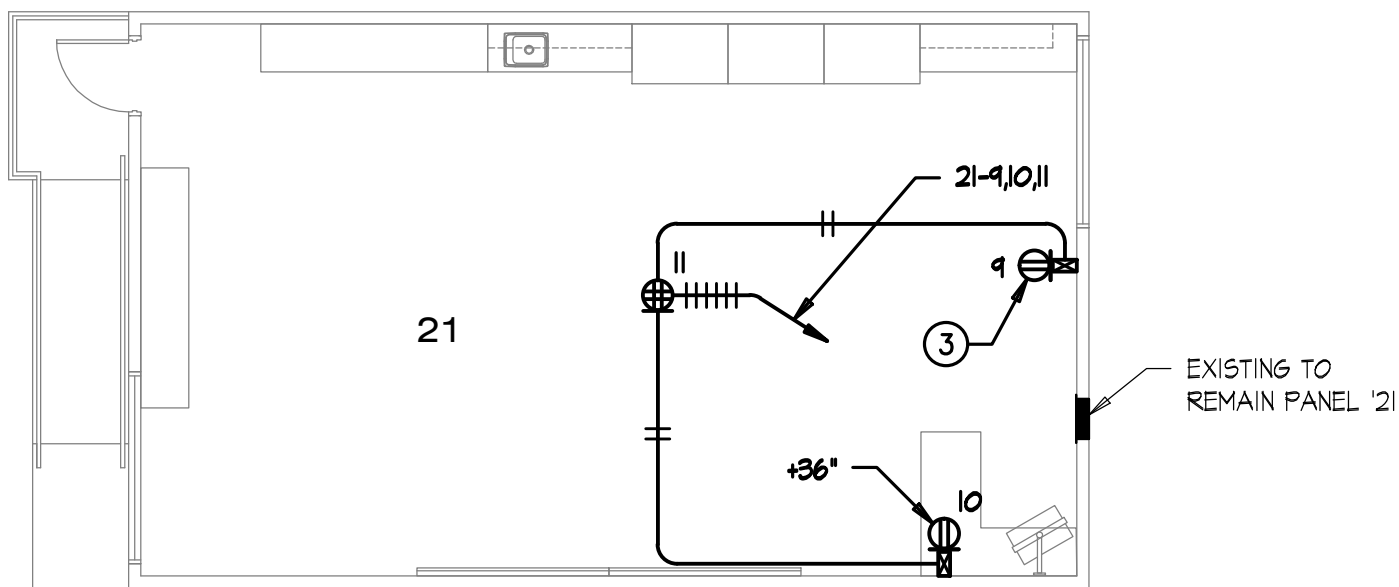
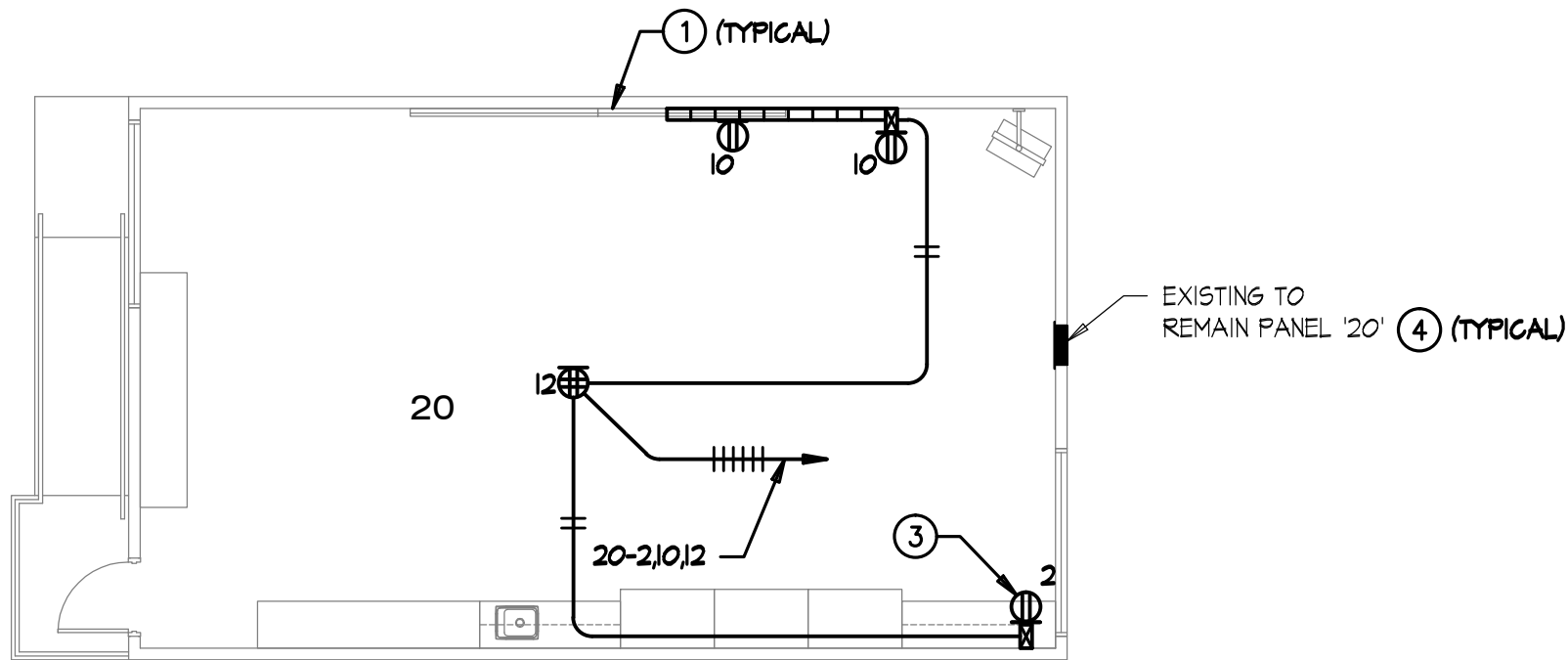
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SHEET #

E-4.0

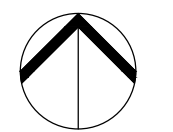
KEYNOTES

- 1
- MOUNT DOUBLE DUPLEX OUTLET IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND ANY 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.



KEYPLAN

NTS

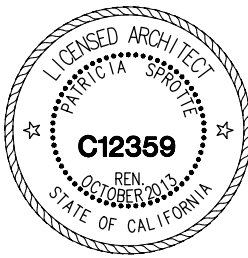


NORTH

1/8" = 1'-0"



PORTABLE POWER PLAN



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CAJON VALLEY UNION SCHOOL DISTRICT
14314 RIOS CANYON ROAD
EL CAJON, CA 92021

CONSULTANT

APPROVALS

DESCRIPTION

PORTABLE
POWER PLAN

DATE

04-05-2012

JOB #

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SHEET #

E-4.1



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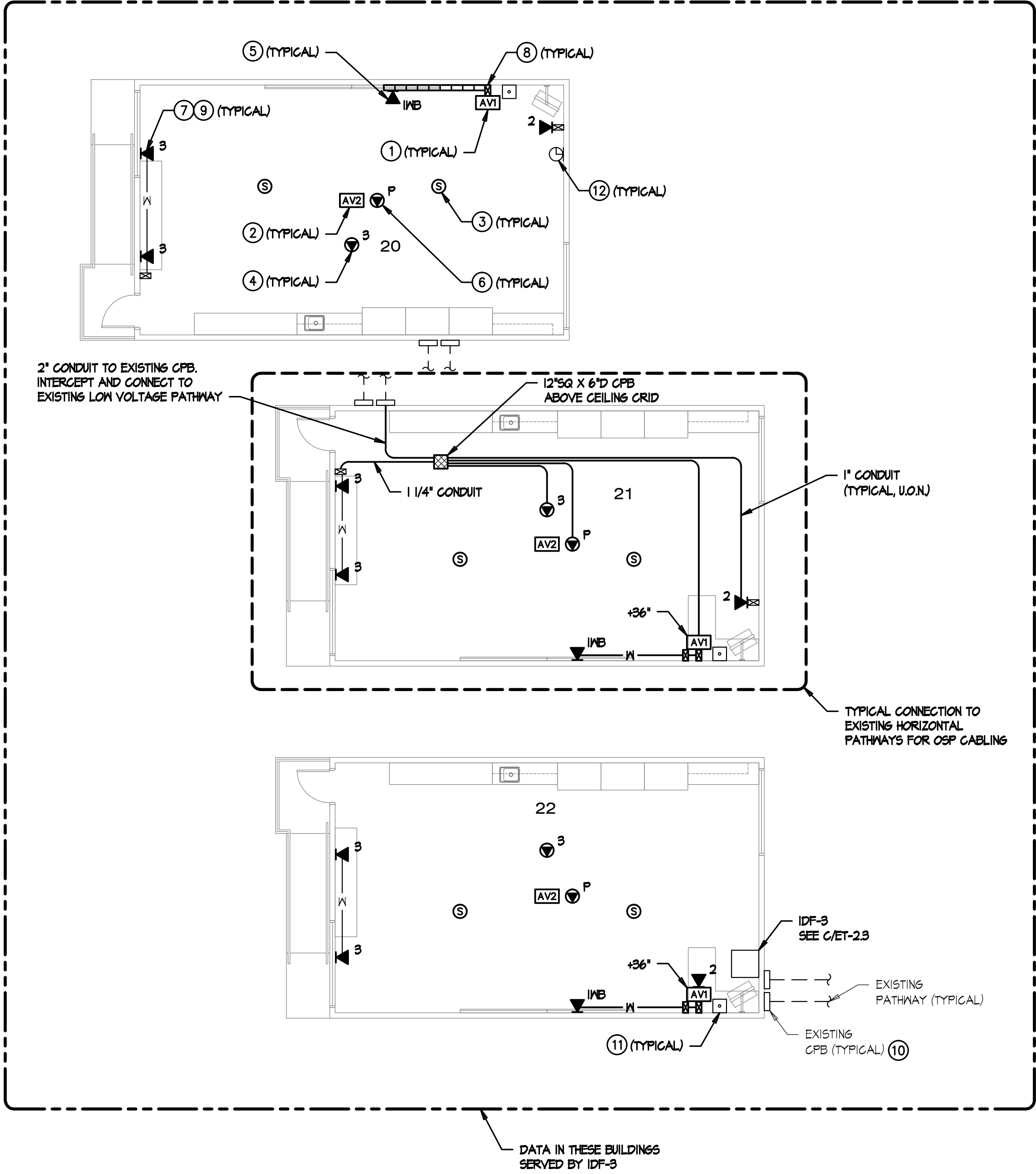


MARK FORTIE, RCDD



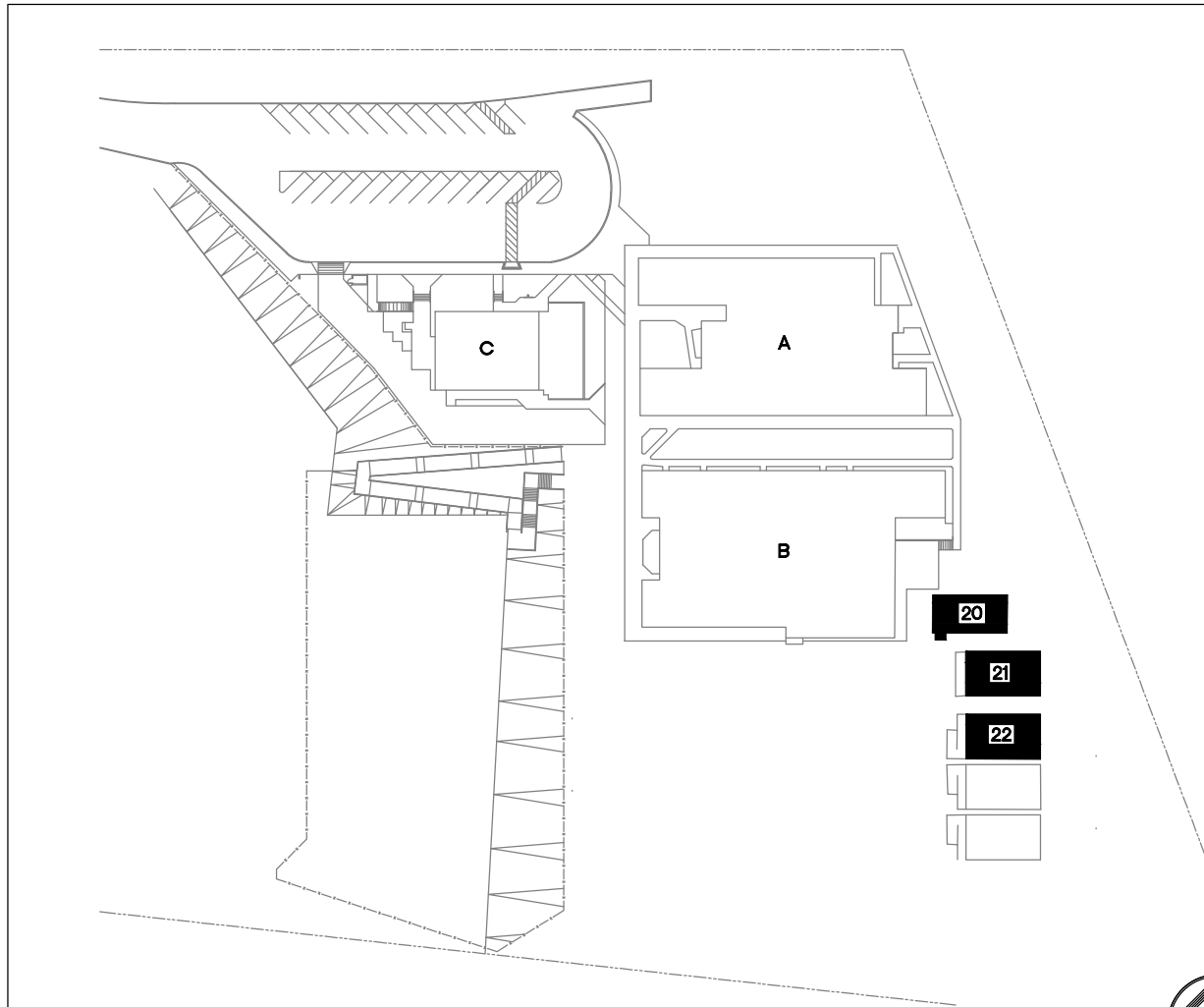
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Regis. No. 081432

04/02/12



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 (8) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK. PROVIDE 'J-HOOK' SUPPORTS (CONDUIT FOR OSP) EVERY 4' TO IDF. SEE 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 IDF. SEE C/ET-5.2. SEE RISER DIAGRAM A/ET-1.3 FOR DETAILS. USE CONDUIT FOR OSP CABLE RUNS.
- 8 NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-GANG ENB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL A/ET-5.3.
- 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.



KEYPLAN

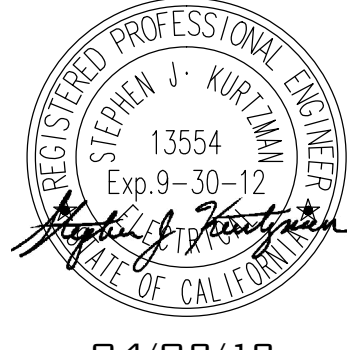
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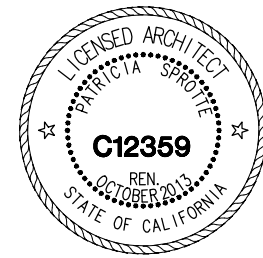
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APPROVALS

DESCRIPTION

PORTABLE
SIGNAL PLAN

DATE

04-05-2012

JOB #

11346

SHEET #

E-42