

KEYNOTES

- SEE DETAIL C/ET-5.3 FOR CABLE DISTRIBUTION.
- SEE DETAIL F/ET-5.3 FOR LABELING REQUIREMENTS.
- SEE DETAIL D/ET-5.3 FOR LABELING REQUIREMENTS.
- SEE DETAIL E/ET-5.3 FOR LABELING REQUIREMENTS.
- SEE BUILDING SIGNAL SHEET FOR ADDITIONAL DETAIL.
- SEE DETAIL B/E-4.3.
- SEE DETAIL A/E-4.3 AND C/E4.3.
- SEE DETAIL D/E-4.3.

TRENCHING NOTE

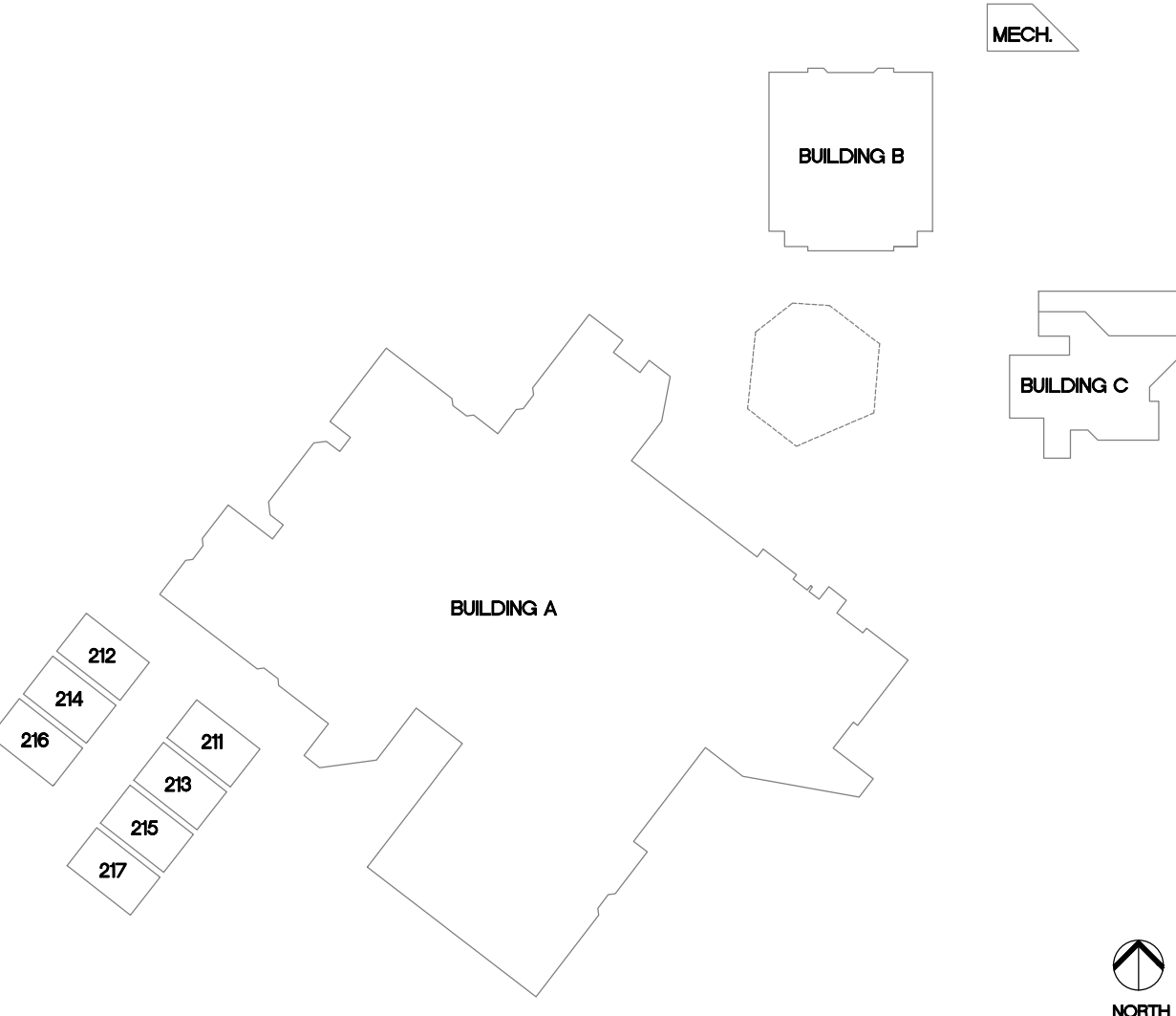
LOCATIONS OF EXISTING UNDERGROUND UTILITY AND OTHER UNDERGROUND OBSTRUCTIONS AND CONDITIONS ARE GENERALLY UNKNOWN. HIRE A UTILITY LOCATING SERVICE TO LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. VERIFY EXACT LOCATION SIZE AND EXTENT OF ALL OBSTRUCTIONS AND OTHER CONDITIONS WHICH MAY AFFECT 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 CLIENTS DIRECTION AT THE CONTRACTORS EXPENSE.

SPECIAL NOTE

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

GENERAL NOTES

- ALL EXISTING SYSTEMS NOT UPGRADED UNDER THIS CONTRACT TO REMAIN OPERATIONAL DURING CONSTRUCTION.
- REMOVE ALL DISCONNECTED CABLING BACK TO SOURCE. NO CABLES ARE TO BE ABANDONED IN PLACE.
- SEE DEMOLITION RISER SHEETS ET-1.0, ET-1.1, & ET-1.2
- EXISTING CONDUITS NOT VERIFIED TO HAVE INNER DUCTS.
- WIRELESS ACCESS POINTS SHOWN FOR REFERENCE ONLY. SEE SIGNAL SHEETS FOR ADDITIONAL INFORMATION.



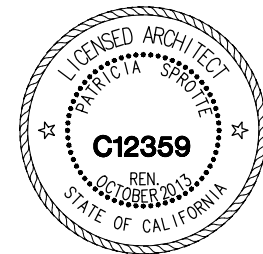
KEYPLAN

TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619-466-1622 / 6224 FAX 466-16233
E-MAIL: ENGINEER@TREISO.COM
TREI # 12165
V.PHATHANAK 09/10/12 - 5:36PM

REGISTERED PROFESSIONAL ENGINEER
NEAL ALAGIA
13829
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

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

SPROTTE WATSON
ARCHITECTURE PLANNING



IT UPGRADE YEAR TWO
MONTGOMERY MIDDLE SCHOOL
CAJON VALLEY UNION SCHOOL DISTRICT
1570 MELODY LN
EL CAJON, CA 92019

CONSULTANT

APPROVALS

DESCRIPTION

SIGNAL SITE PLAN

DATE

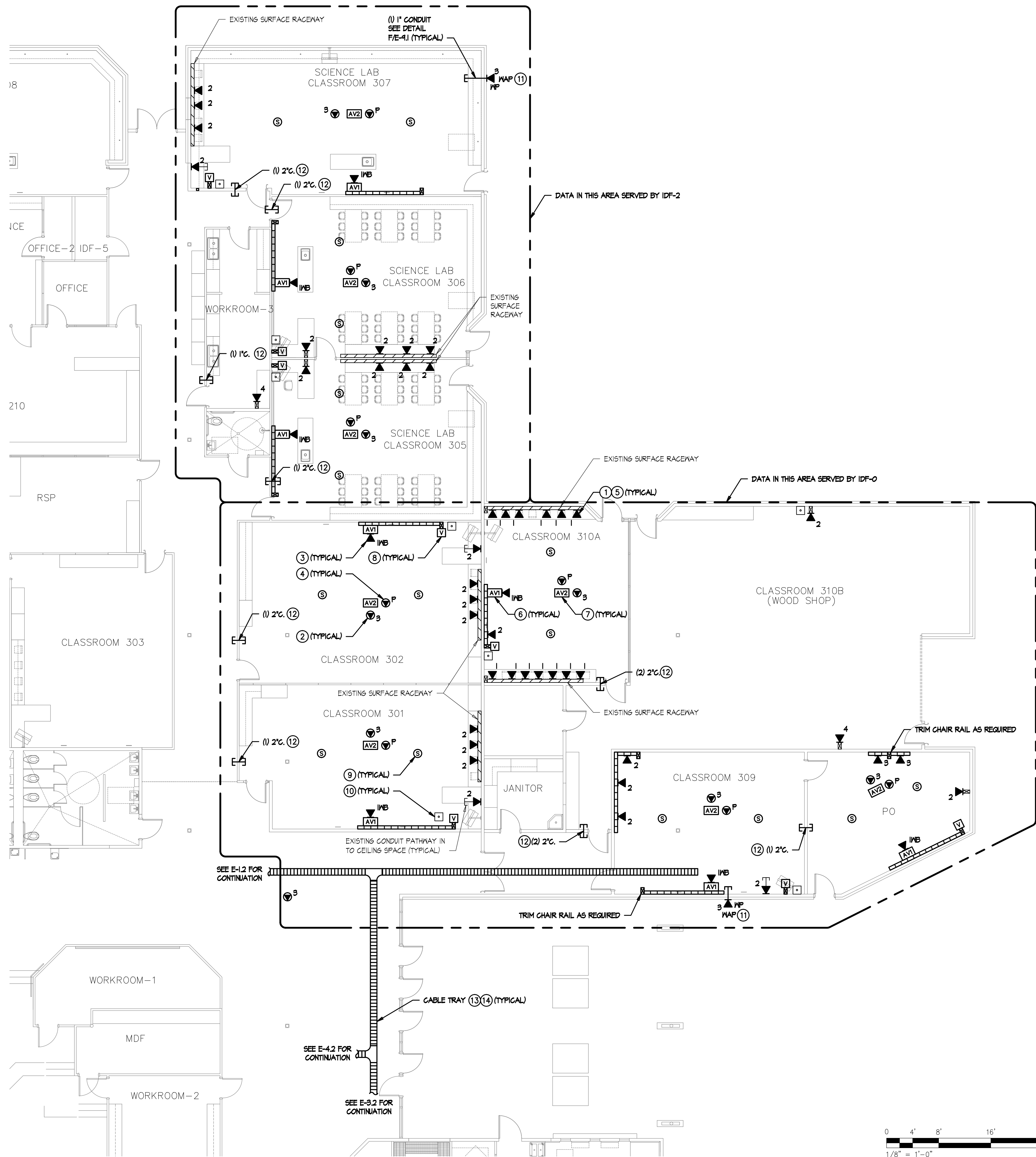
09/10/12

JOB #

12165

SHEET #

E-04



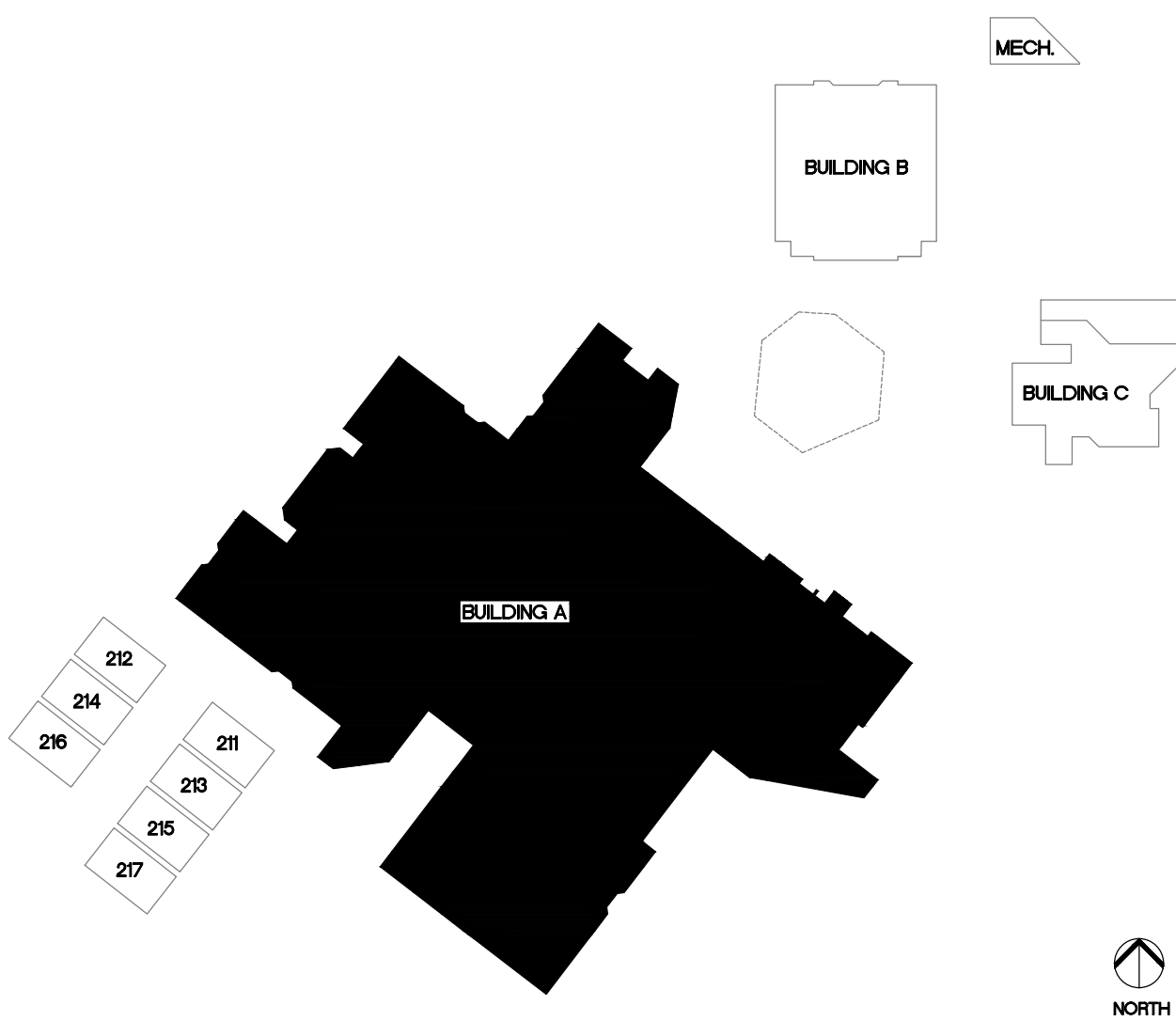
BUILDING A PART B - SIGNAL PLAN

SIGNAL PLAN KEYNOTES

- 1 CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. UTILIZE EXISTING PATHWAYS U.O.N. FOR INSTALLATION IN WALLS.
- 2 CATEGORY 6 DATA OUTLET MOUNTED ABOVE LAY-IN CEILING DESIGNATED FOR WIRELESS NETWORK. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. SEE DETAIL F/ET-5.2.
- 3 1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. LOCATION TO BE AT CENTER OF TEACHING WALL AT +18" AFF. SEE DETAIL A/ET-5.5.
- 4 1) PORT CATEGORY 6 DATA OUTLET AT CEILING MOUNTED PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING POLE. SEE DETAIL B/ET-5.5.
- 5 SEE DETAIL A/B/ET-5.3 FOR LABELING REQUIREMENTS.
- 6 AV1 INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-GANG ENB SERIES WALL BOX FOR AV1 INTERFACE. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 7 AUDIO/VISUAL FLYING LEADS AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & B/ET-5.5 FOR DETAILS.
- 8 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.
- 12 SLEEVE THROUGH WALL INTO ACCESSIBLE CEILING SPACE. SEE DETAIL C/E-4.1.
- 13 PROVIDE CONTINUOUS #6 AWG GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO TH6B IN MDF ROOM. SEE DETAIL B/ET-5.1.
- 14 12"X 4" (U.O.N) BASKET TYPE CABLE TRAY MOUNTED ABOVE CEILING GRID. MAINTAIN 12" VERTICAL CLEARANCE ABOVE CABLE TRAY AND COORDINATE INSTALLATION WITH OTHER TRADES. SEE DETAIL A/ET-5.2.

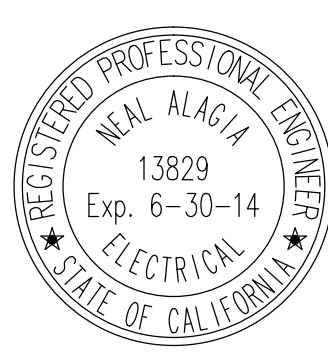
GENERAL NOTES (SIGNAL)

1. SEE DATA RISER DIAGRAMS ON ET-1.2 AND 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.

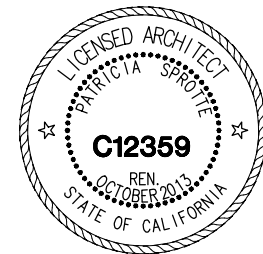


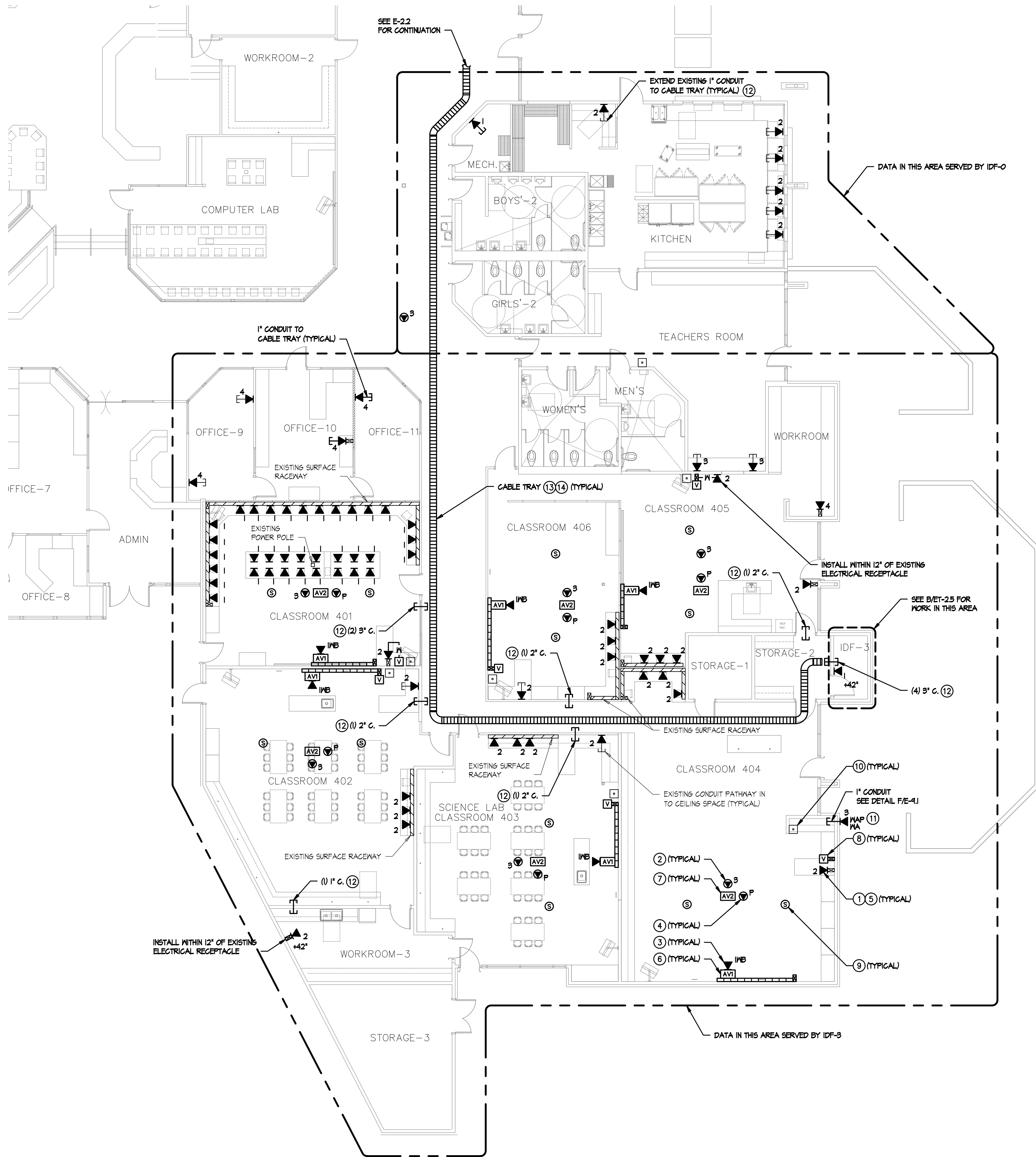
KEYPLAN

TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619-466-1622 / 6224 FAX 619-466-1623
E-MAIL: ENGINEER@TREISO.COM
TREI # 12165
V.PHATHANAK 09/10/12 - 5:36PM



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



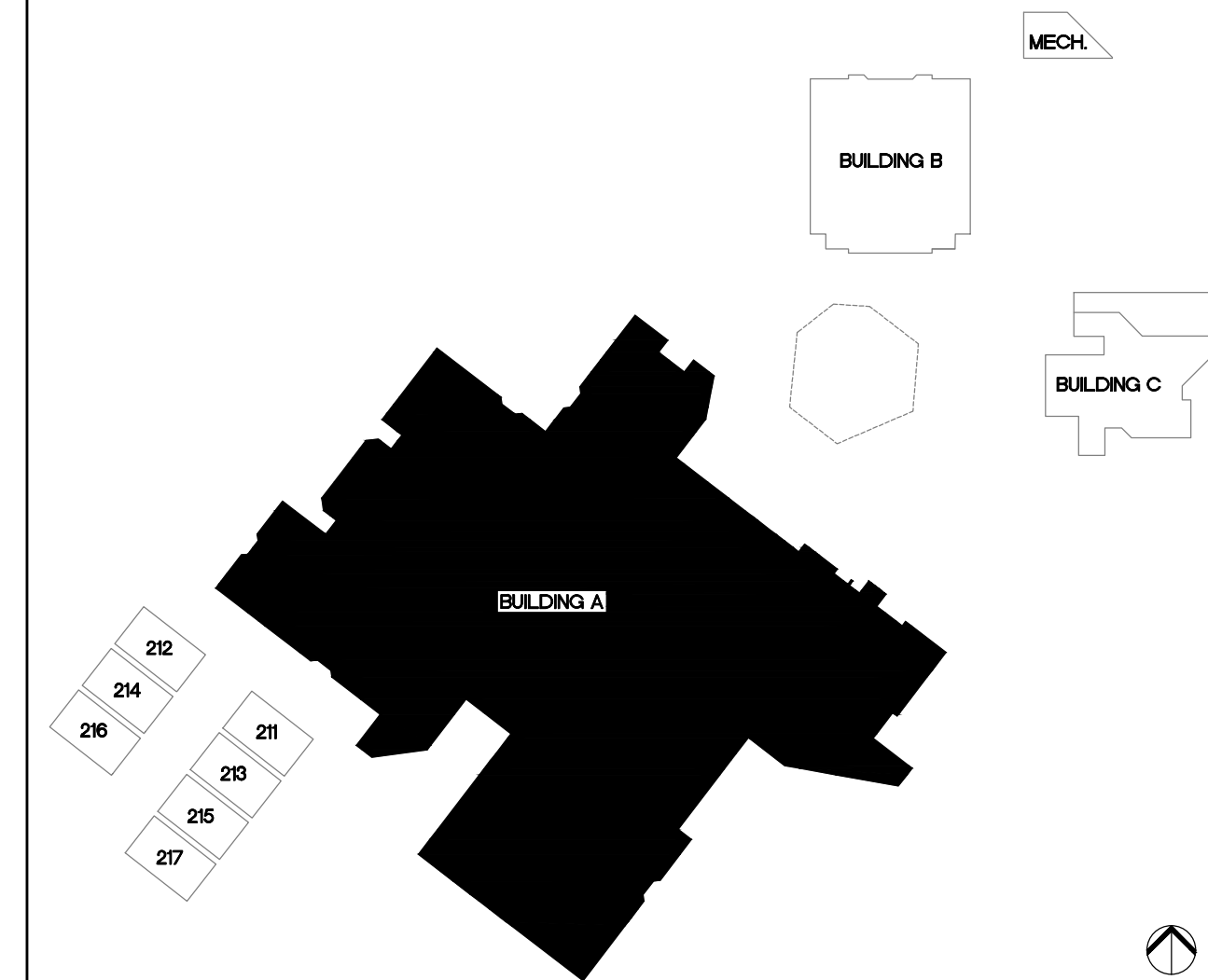


SIGNAL PLAN KEYNOTES

- 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 POLE. SEE DETAIL B/ET-5.5.
- SEE DETAIL A/B/ET-5.3 FOR LABELING REQUIREMENTS.
- AVI INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-GANG ENB SERIES WALL BOX FOR AVI INTERFACE. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 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 HANDSET), TO REMAIN.
- DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER.
- SLEEVE THROUGH WALL INTO ACCESSIBLE CEILING SPACE. SEE DETAIL C/E-4.1.
- PROVIDE CONTINUOUS #6 AWG GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO TM6B IN MDF ROOM. SEE DETAIL B/ET-5.1.
- 12" X 4" (U.O.N) BASKET TYPE CABLE TRAY MOUNTED ABOVE CEILING GRID. MAINTAIN 12" VERTICAL CLEARANCE ABOVE CABLE TRAY AND COORDINATE INSTALLATION WITH OTHER TRADES. SEE DETAIL A/ET-5.2.

GENERAL NOTES (SIGNAL)

- SEE DATA RISER DIAGRAMS ON ET-1.2 AND ET-1.4 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.



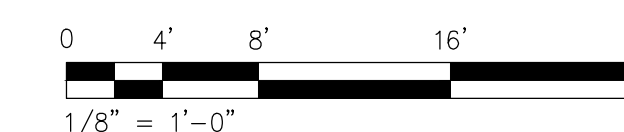
KEYPLAN

NTS



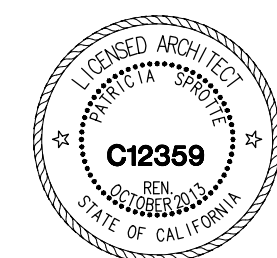
NORTH

1/8" = 1'-0"



BUILDING A PART C - SIGNAL PLAN

SPROTTE WATSON
ARCHITECTURE | PLANNING



IT UPGRADE YEAR TWO
MONTGOMERY MIDDLE SCHOOL
CAJON VALLEY UNION SCHOOL DISTRICT
1570 MELODY LN
EL CAJON, CA 92019

CONSULTANT

APPROVALS

DESCRIPTION

BUILDING A
PART C
SIGNAL PLAN

DATE

09/10/12

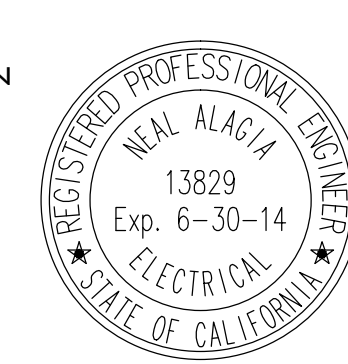
JOB #

12165

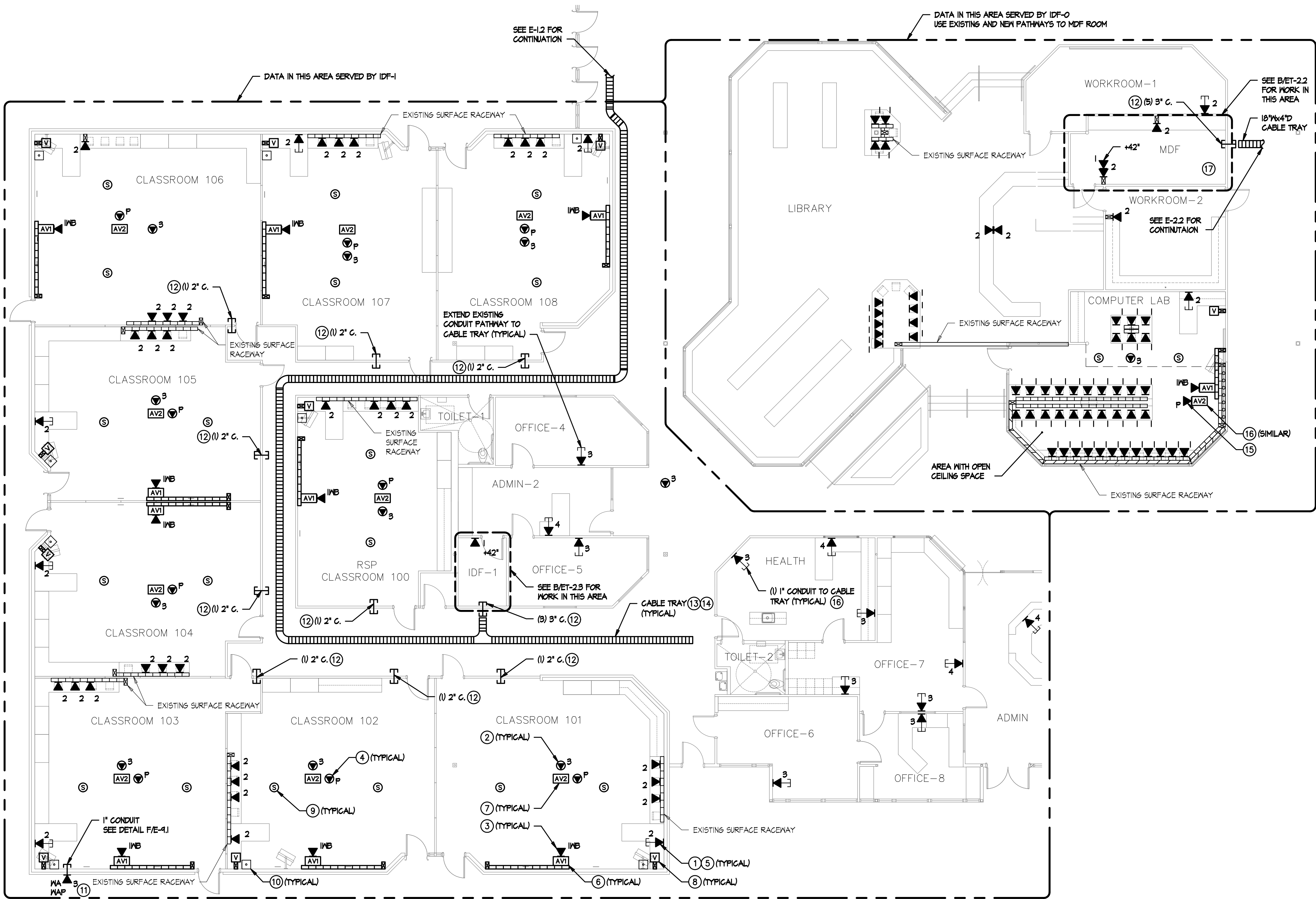
SHEET #

E-32

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 # 12165
V.PHATHANAK 09/10/12 - 5:37PM



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

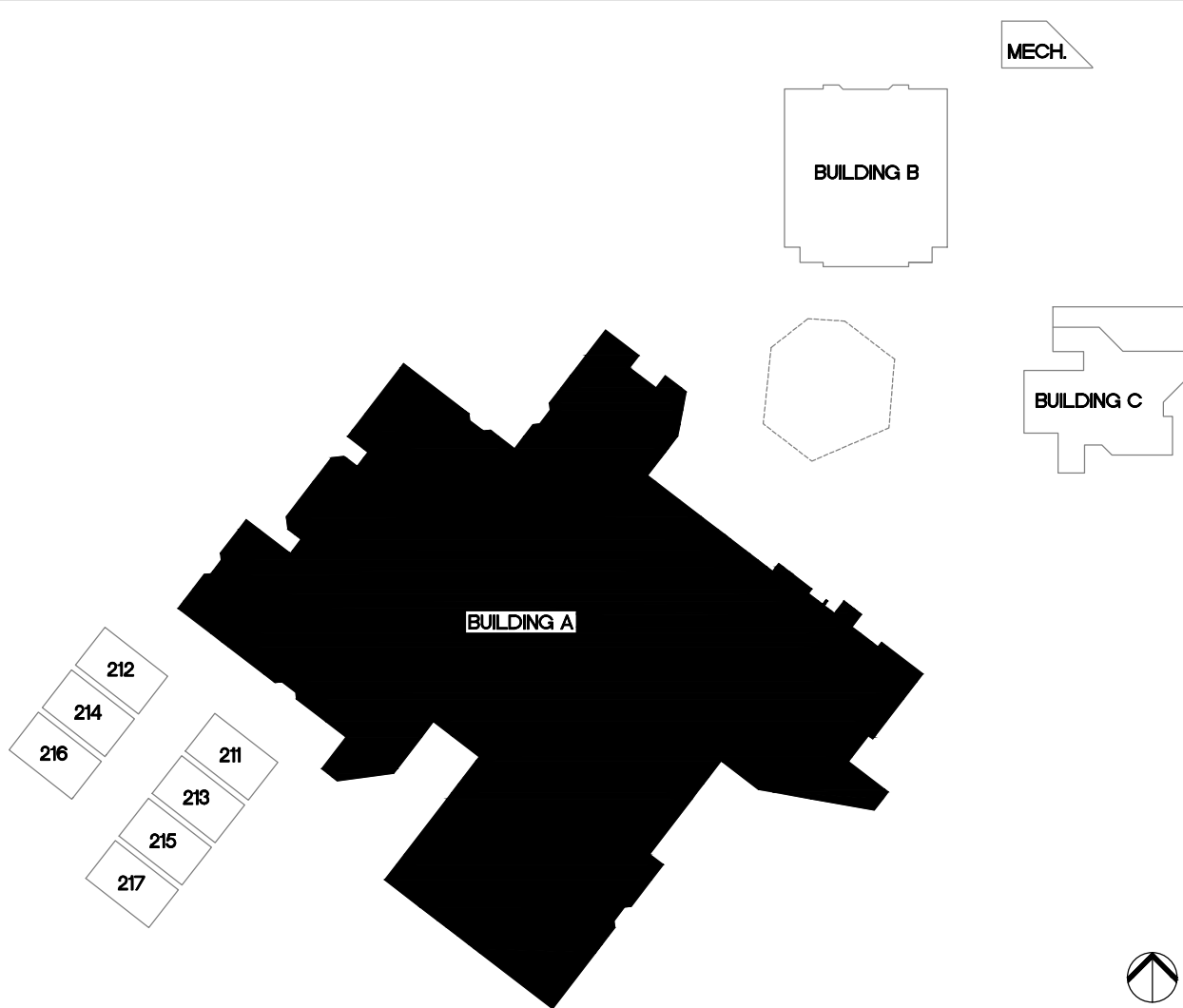


SIGNAL PLAN KEYNOTES

- 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 POLE. SEE DETAIL B/ET-5.5.
- SEE DETAIL A/B/ET-5.3 FOR LABELING REQUIREMENTS.
- AV1 INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-GANG 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 (BOSEN HANDSET), TO REMAIN.
- DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER.
- SLEEVE THROUGH WALL INTO ACCESSIBLE CEILING SPACE. SEE DETAIL C/E-4.1.
- PROVIDE CONTINUOUS #6 AWG GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO THMB IN MDF ROOM. SEE DETAIL B/ET-5.1.
- 12" W X 4" D (U.O.N) BASKET TYPE CABLE TRAY MOUNTED ABOVE CEILING GRID, MAINTAIN 12" VERTICAL CLEARANCE ABOVE CABLE TRAY AND COORDINATE INSTALLATION WITH OTHER TRADES. SEE DETAIL A/ET-5.2.
- (1) PORT CATEGORY 6 DATA OUTLET AT WALL MOUNTED PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. CONTRACTOR TO COORDINATE EXACT LOCATION WITH WALL MOUNTED PROJECTOR MOUNTING PLATE. SEE DETAIL C/ET-5.5.
- AV2 INTERFACE MOUNTED ON WALL ADJACENT TO PROJECTOR. COORDINATE LOCATION WITH PROJECTOR MOUNT INSTALLER. SEE DETAIL C/D/ET-5.5 & ET-5.1.
- CONTRACTOR TO REINSTALL EXISTING SECURITY CAMERA EQUIPMENT AT NEW RACK LOCATION AND ENSURE A FULLY FUNCTIONING SECURITY CAMERA SYSTEM. SEE B/ET-2.2

GENERAL NOTES (SIGNAL)

- 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.

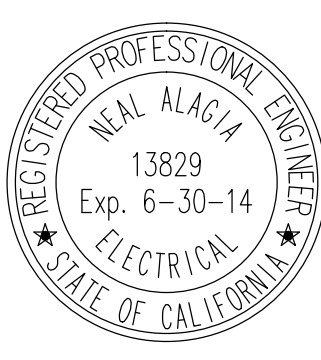


KEYPLAN

NTS

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

TREI # 12165
V.PHATHANAK 09/10/12 - 5:37PM



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

BUILDING A PART D - SIGNAL PLAN



CONSULTANT

APPROVALS

DESCRIPTION

BUILDING A
PART D
SIGNAL PLAN

DATE

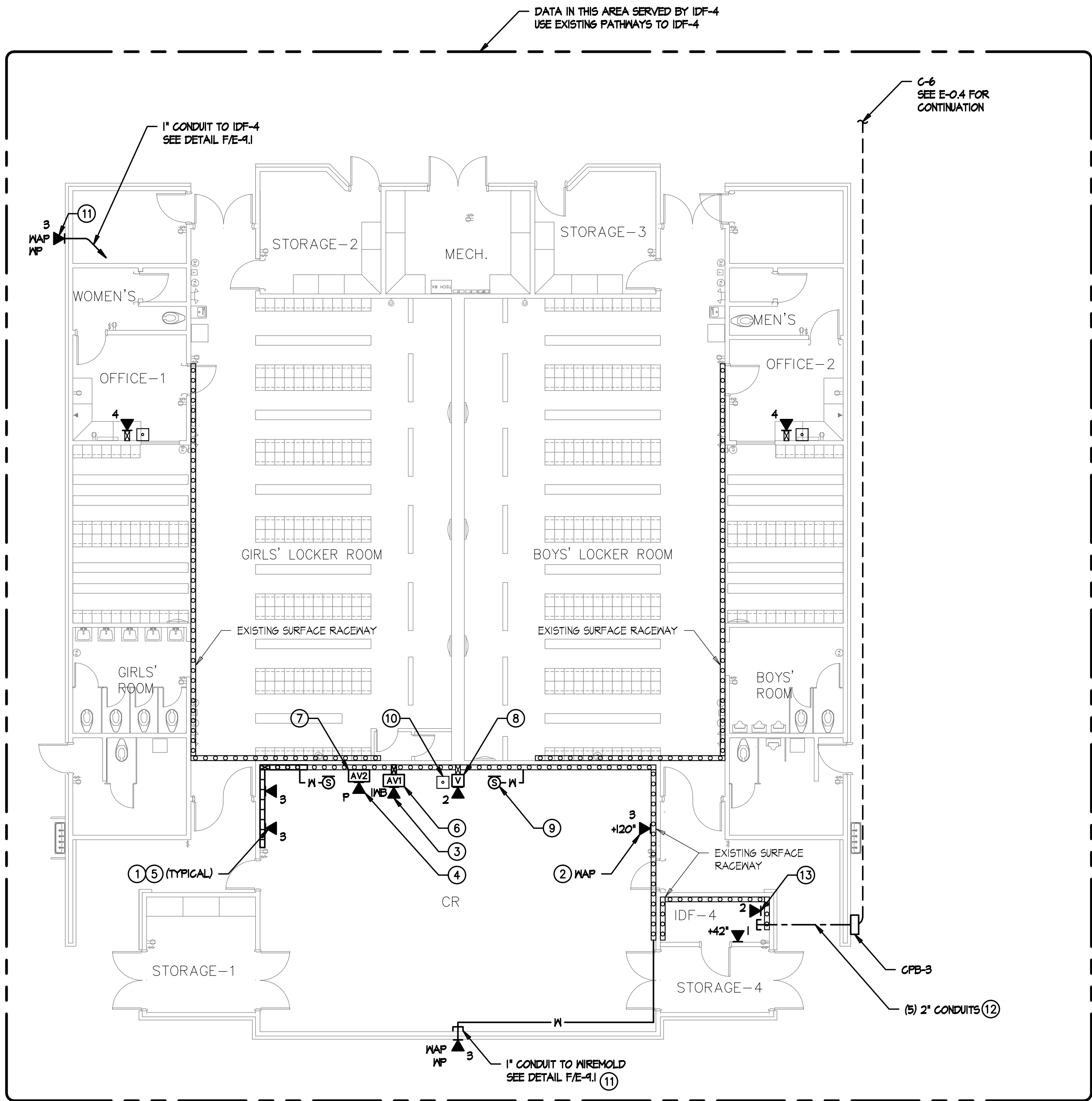
09/10/12

JOB #

12165

SHEET #

E-4.2

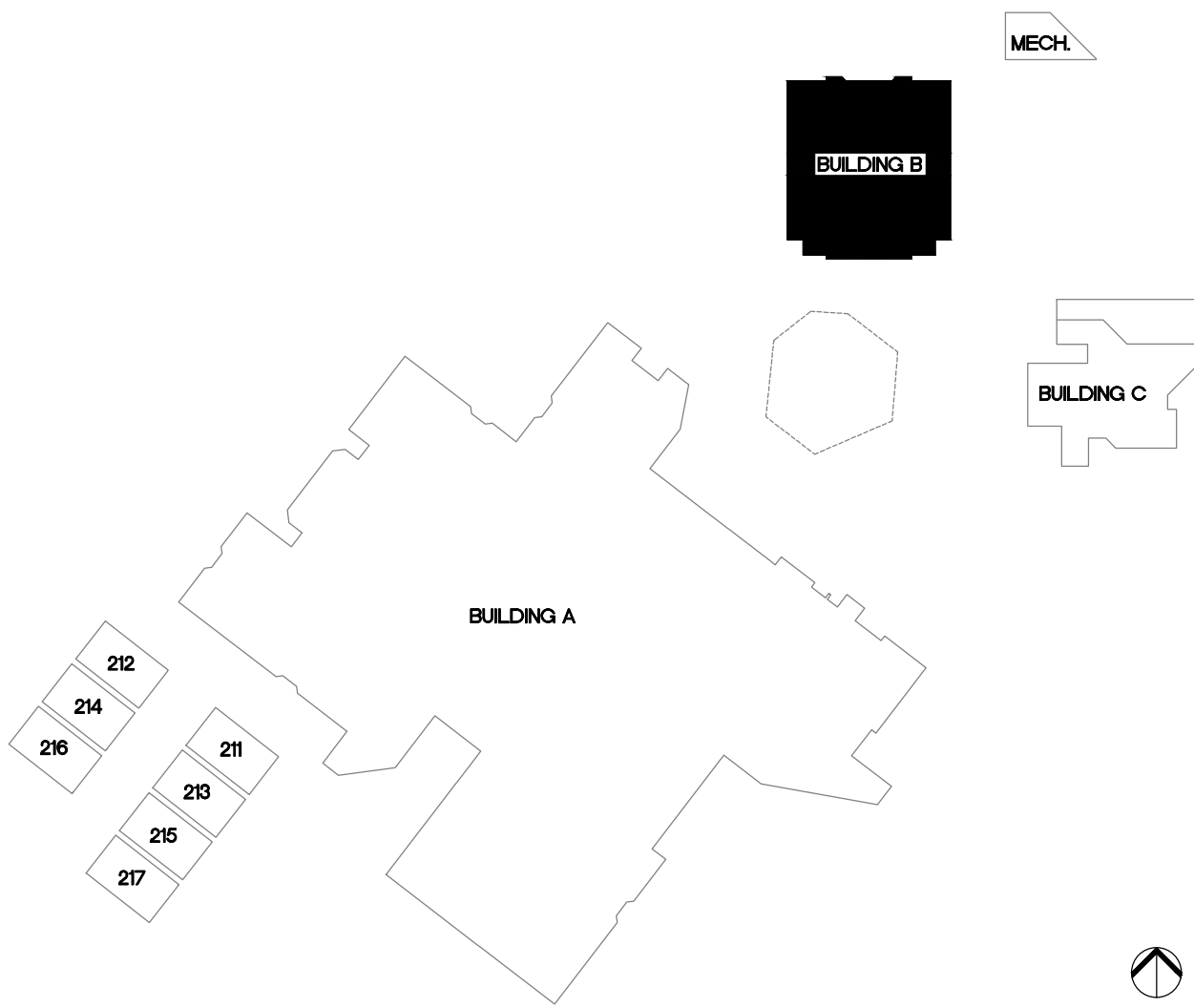


SIGNAL PLAN KEYNOTES

- 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 ON WALL DESIGNATED FOR WIRELESS NETWORK. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF.
- (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 WALL MOUNTED PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. CONTRACTOR TO COORDINATE EXACT LOCATION WITH WALL MOUNTED PROJECTOR MOUNTING PLATE. SEE DETAIL G/ET-5.5.
- SEE DETAIL A/B/ET-5.3 FOR LABELING REQUIREMENTS.
- AV1 INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-GANG ENB SERIES WALL BOX FOR AV1 INTERFACE. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- AV2 INTERFACE MOUNTED ON WALL ADJACENT TO PROJECTOR. COORDINATE LOCATION WITH PROJECTOR MOUNT INSTALLER. SEE DETAIL G/D/ET-5.5 & ET-5.1.
- AUDIO VOLUME CONTROL OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +45" AFF. SEE ET-5.7 & C/ET-5.5 FOR DETAILS.
- AUDIO/VISUAL SPEAKER MOUNTED ON WALL. SEE ET-5.7 FOR DETAILS.
- EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- DATA OUTLET WITHIN WEATHER PROOF ENCLOSURE FOR EXTERIOR WIRELESS ACCESS POINT. COORDINATE MOUNTING HEIGHT/LOCATION WITH WIRELESS ACCESS POINT INSTALLER.
- SEE D/ET-5.3 FOR LABELING REQUIREMENTS.
- DATA OUTLET AT +45" FOR SECURITY CAMERA EQUIPMENT. CONTRACTOR TO ENSURE FULLY FUNCTIONING SECURITY CAMERA SYSTEM.

GENERAL NOTES (SIGNAL)

- SEE DATA RISER DIAGRAM ON ET-1.4 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

APPROVALS

DESCRIPTION

**BUILDING B
SIGNAL PLAN**

DATE

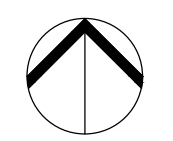
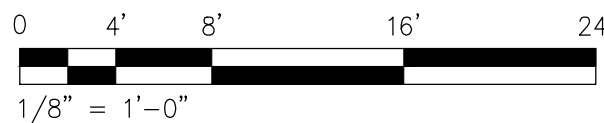
09/10/12

JOB

12165

SHEET

E-5.2



NORTH

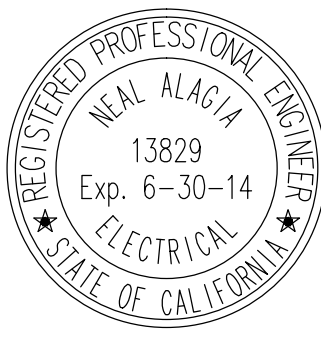
1/8" = 1'-0"



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

TREI # 12165

V.PHATHANAK 09/10/12 - 5:37PM

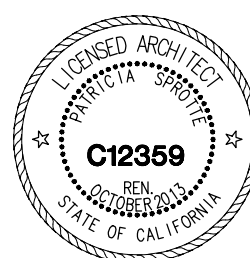


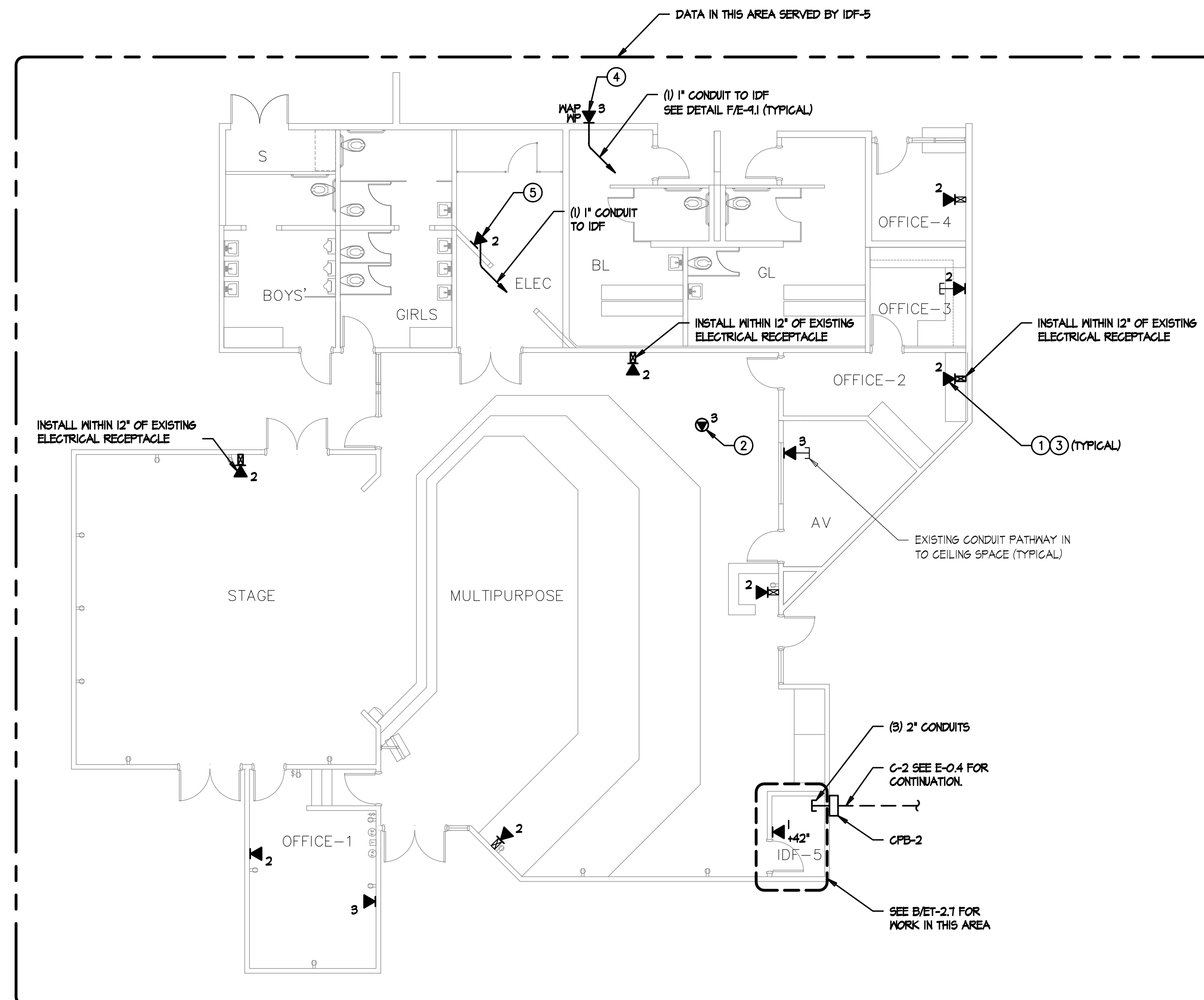
MARK FORTIE, RCDD

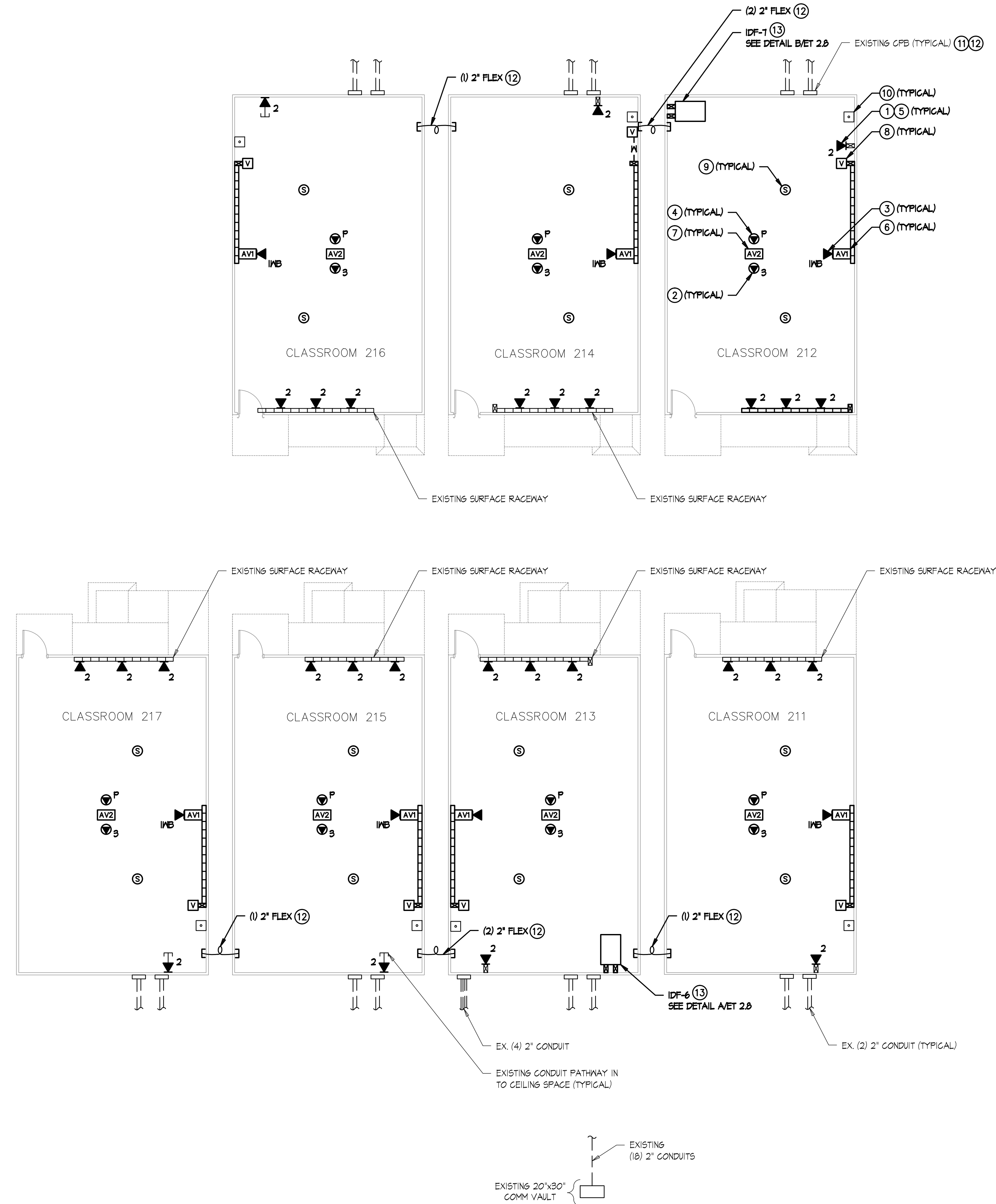


EXPIRES 12/31/13
Regis. No. 081432

BUILDING B - SIGNAL PLAN





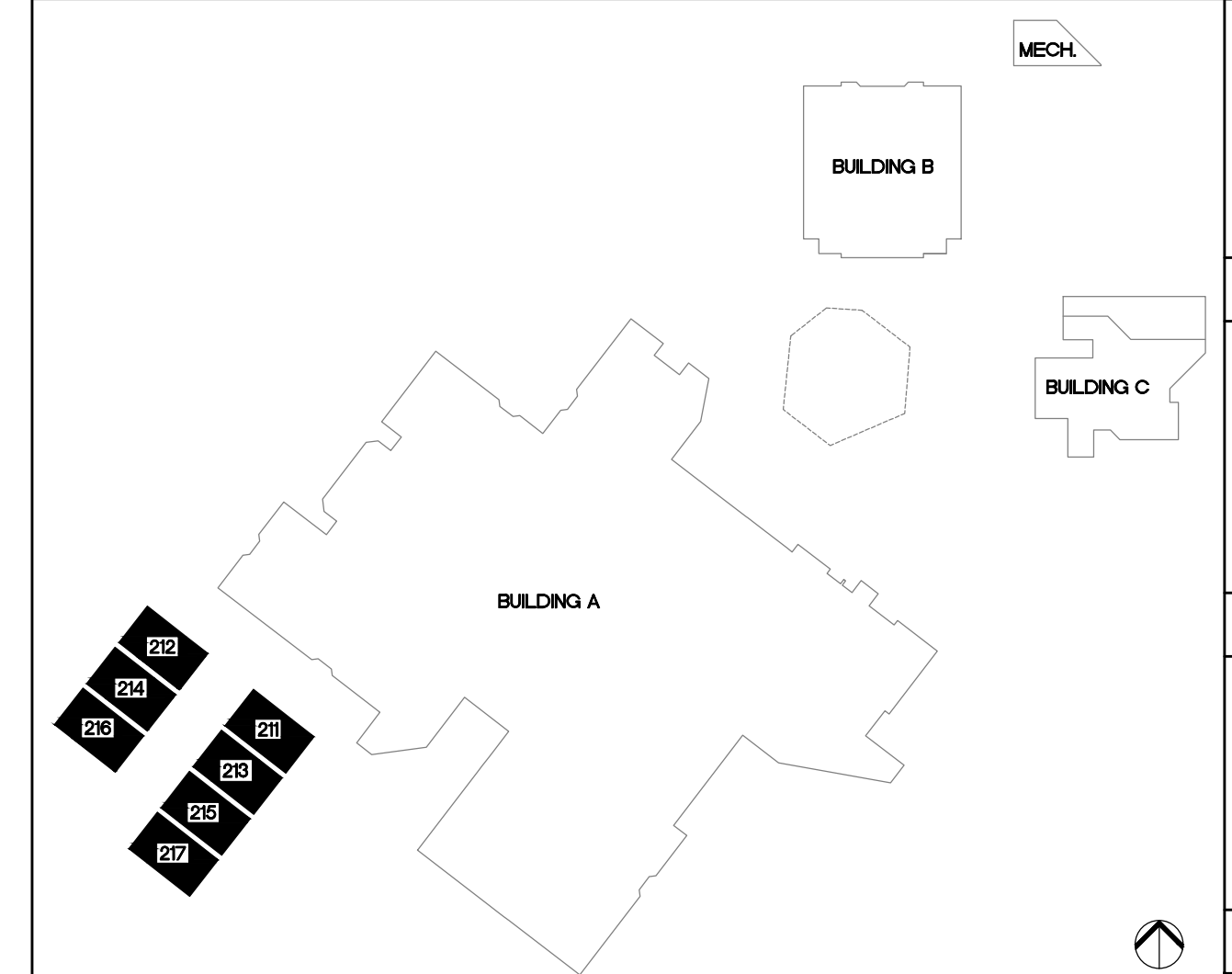


SIGNAL PLAN KEYNOTES

- 1 CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. UTILIZE EXISTING PATHWAYS U.O.N. FOR INSTALLATION IN WALLS.
- 2 CATEGORY 6 DATA OUTLET MOUNTED ABOVE LAY-IN CEILING DESIGNATED FOR WIRELESS NETWORK. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. SEE DETAIL F/ET-5.2.
- 3 1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. LOCATION TO BE AT CENTER OF TEACHING WALL AT +18" AFF. SEE DETAIL A/ET-5.5.
- 4 1) PORT CATEGORY 6 DATA OUTLET AT CEILING MOUNTED PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE. SEE DETAIL B/ET-5.5
- 5 SEE DETAIL A/B/ET-5.3 FOR LABELING REQUIREMENTS.
- 6 AV1 INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +18" AFF. PROVIDE EXTRON 2-GANG ENB SERIES WALL BOX FOR AV1 INTERFACE. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 7 AUDIO/VISUAL FLYING LEADS AT CEILING MOUNTED PROJECTOR LOCATION. SEE ET-5.4 & B/ET-5.5 FOR DETAILS.
- 8 AUDIO VOLUME CONTROL OUTLET MOUNTED AT TEACHER'S STATION LOCATION AT +45" AFF. SEE ET-5.4 & A/ET-5.5 FOR DETAILS.
- 9 AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- 10 EXISTING PHONE (BOGEN HANDSET), TO REMAIN.
- 11 SEE D/ET-5.3 FOR LABELING REQUIREMENTS.
- 12 MINIMUM HEIGHT ABOVE GRADE 10'. SEE DETAIL D/E-4.1. USE SEALTITE TYPE UA-CSA LIQUID TIGHT CONDUIT. USE APPROVED LIQUID TIGHT CONNECTORS.
- 13 SEE DETAIL A/ET-5.6 FOR INSTALLATION.

GENERAL NOTES (SIGNAL)

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

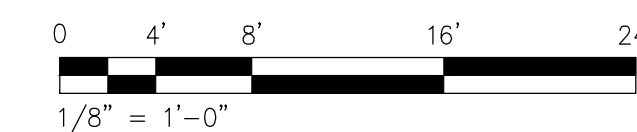


KEYPLAN

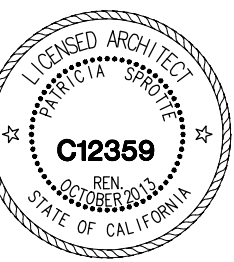
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619-466-6224 FAX 619-466-6233
E-MAIL: ENGINEER@TREISO.COM
TREI # 12165
V.PHATHANAK 09/10/12 - 5:38PM

REGISTERED PROFESSIONAL ENGINEER
NEAL ALAGIA
13829
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

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



PORTABLE 211-217 - SIGNAL PLAN



CONSULTANT

APPROVALS

DESCRIPTION

PORTABLE 211-217 SIGNAL PLAN

DATE

09/10/12

JOB

12165

SHEET

E-72