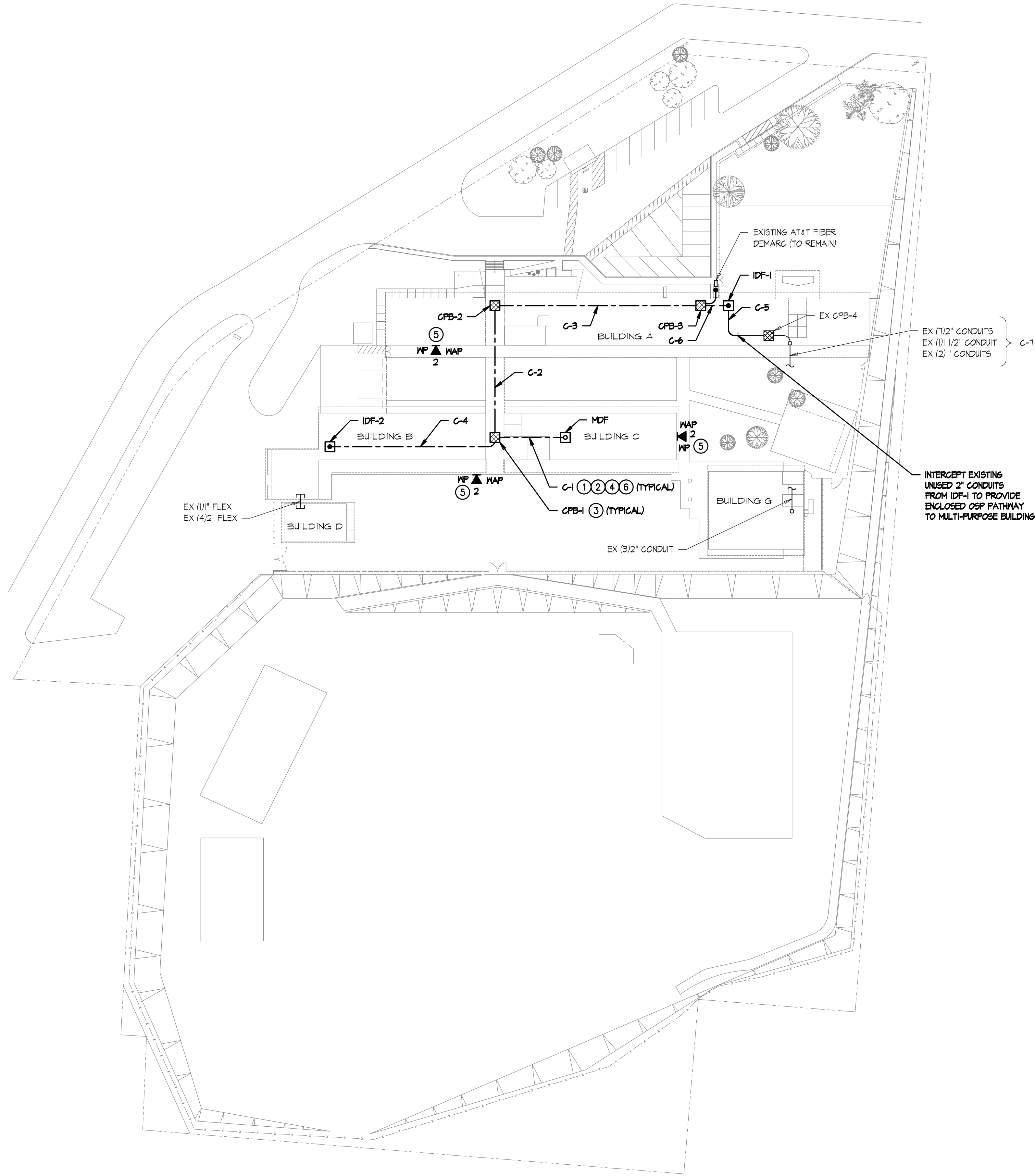




CONDUIT BREAKDOWN									
CONDUIT SEGMENT NAME	FIBER CONDUITS 1/4" 1/4" INNERDUCTS EA. #			COOPER DATA/VOICE/TV/ SECURITY/CLOCK/EMCS			GROUND 6	SPARE 9P	AT&T
	F1	F2	F3	C1	C2	C3			
C-1	2"	2"	-	-	-	-	2"	2"	2"
C-2	2"	-	-	-	-	-	2"	2"	2"
C-3	2"	-	-	-	-	-	2"	2"	2"
C-4	2"	-	-	-	-	-	2"	2"	2"
C-5	-	-	-	2"	-	-	-	2"	-
C-6	2"	-	-	-	-	-	2"	2"	-
C-7	-	-	-	2"	2"	2"	-	-	-

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

COMMUNICATIONS DUCT BANK SCHEDULE					
CONDUIT SEGMENT NAME			TOTAL NUMBER OF CONDUITS		
	FROM	TO	4"	2"	3"
C-1	MDF	CPB-1	-	5	-
C-2	CPB-1	CPB-2	-	4	-
C-3	CPB-2	CPB-3	-	4	-
C-4	CPB-1	IDF-2	-	4	-
C-5	IDF-1	EX CPB-4	-	4	-
C-6	CPB-3	IDF-1	-	2	-
C-7	BLDG A	MP	-	EXISTING (3)	-

COMMUNICATION FULLBOX SCHEDULE			
NAME	SIZE	TYPE	DETAIL/REFERENCE
CPB-1	24"SQ. X 10'D	NEMA_3R	E/E-12
CPB-2	24"SQ. X 10'D	NEMA_3R	E/E-12
CPB-3	24"SQ. X 10'D	NEMA_3R	E/E-12
CPB-4	EXISTING	EXISTING	N/A

KEYNOTES

- SEE DETAIL C/ET-5.3 FOR CABLE DISTRIBUTION.
- SEE DETAIL F/E-1.1 FOR PENETRATION.
- 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 E/E-1.1 FOR CONDUIT SUPPORT.

TRENCHING NOTE

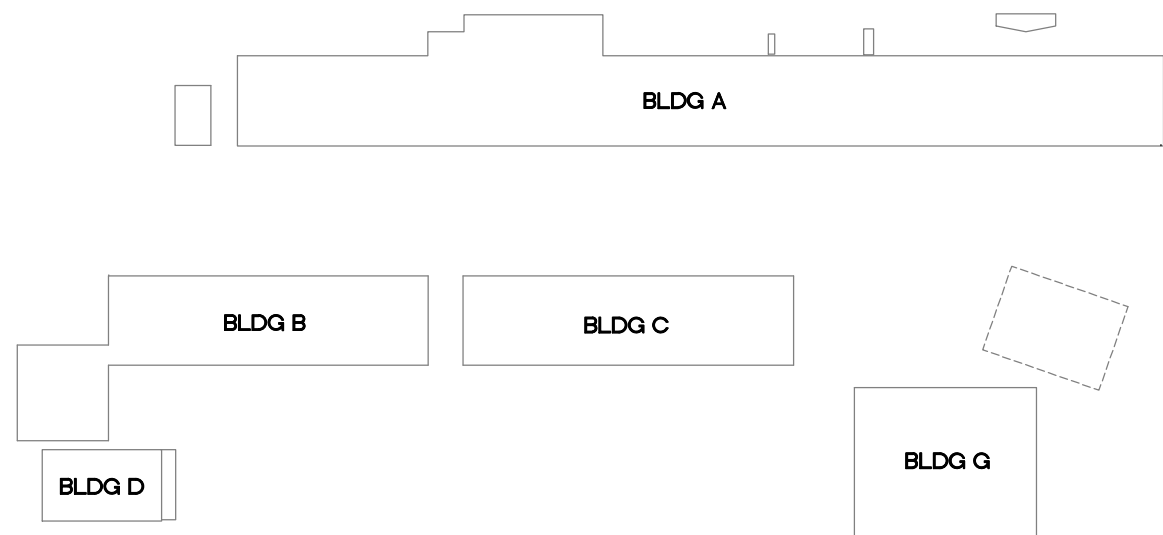
LOCATIONS OF EXISTING UNDERGROUND UTILITY AND OTHER UNDERGROUND OBSTRUCTIONS AND CONDITIONS ARE GENERALLY UNKNOWN. HIRE A UTILITY LOCATING SERVICE TO LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING. VERIFY EXACT LOCATION SIZE AND EXTENT OF ALL OBSTRUCTIONS AND OTHER CONDITIONS WHICH MAY AFFECT THE PROPOSED WORK UNDER THE PROJECT. TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO EXISTING WORK, INCLUDING HAND DIGGING AROUND EXISTING UTILITIES, TREE ROOT SYSTEMS, AND HARDSCAPE FEATURES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE IMMEDIATELY REPAIRED OR REPLACED IN ACCORDANCE WITH THE CLIENT'S DIRECTION AT THE CONTRACTOR'S EXPENSE.

SPECIAL NOTE

IT IS THE INTENT OF THIS CONTRACT TO LOCATE ALL DATA OUTLETS IN 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
- EXISTING CONDUITS NOT VERIFIED TO HAVE INNER DUCTS.



KEYPLAN



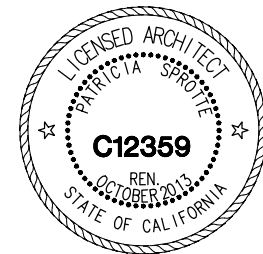
NTS



1/8" = 1'-0"



SIGNAL SITE PLAN



IT UPGRADE YEAR TWO
CREST ELEMENTARY SCHOOL
CAJON VALLEY UNION SCHOOL DISTRICT
2000 SUNCREST BOULEVARD
EL CAJON, CA 92021

CONSULTANT

APPROVALS

DESCRIPTION

SIGNAL SITE PLAN

DATE

10/26/12

JOB #

12157

SHEET #

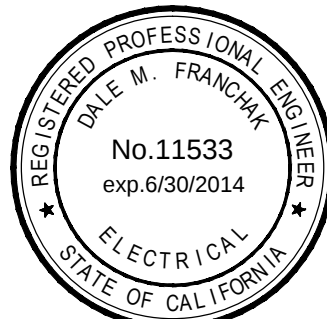
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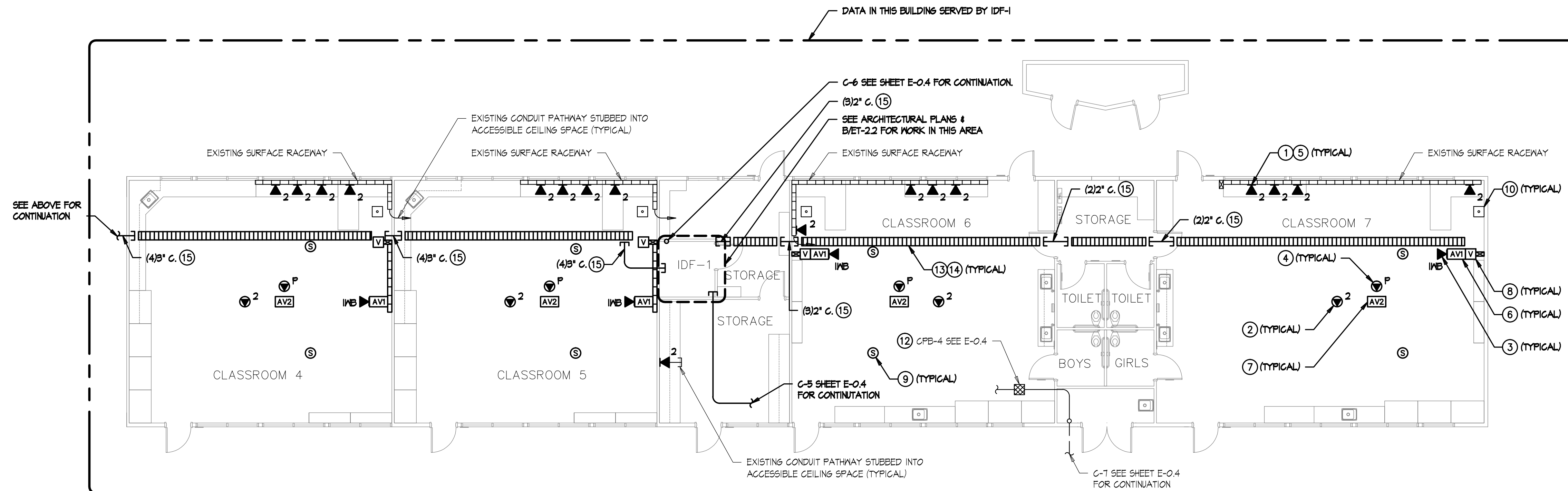
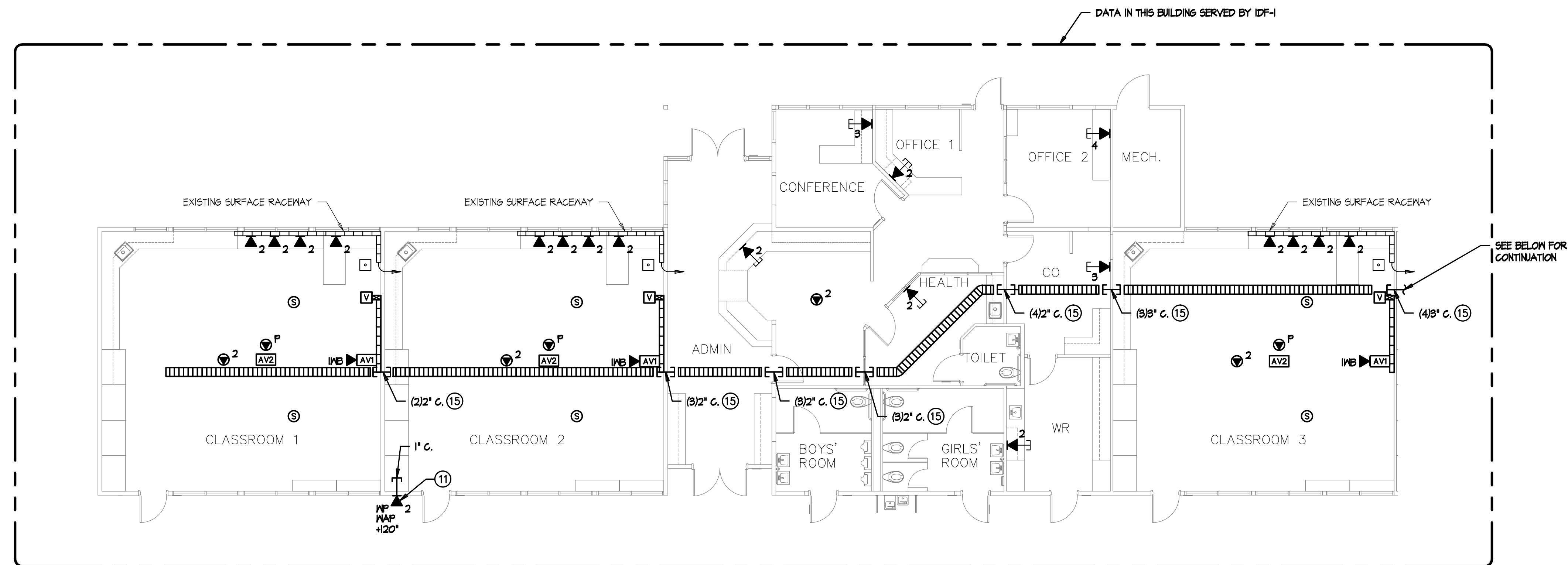
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EXPIRES 12/31/13
Regis. No. 081432



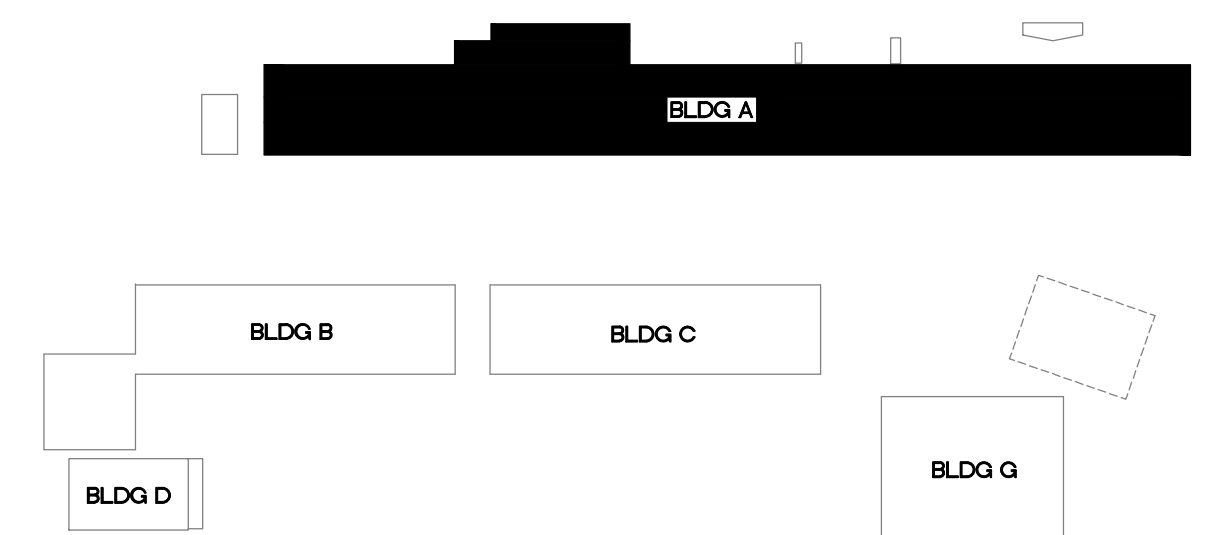
BUILDING A - SIGNAL PLAN

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) (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. LOCATION TO BE AT CENTER OF TEACHING WALL AT +0' AFF. SEE DETAIL A/ET-5.5.
- (4) (I) PORT CATEGORY 6 DATA OUTLET AT CEILING MOUNTED PROJECTOR DESIGNATED FOR PROJECTOR MONITORING. PROVIDE NEW CATEGORY 6 JACK AND CABLE TO IDF. CONTRACTOR TO COORDINATE EXACT LOCATION WITH CEILING MOUNTED PROJECTOR MOUNTING PLATE. SEE B/ET-5.5.
- (5) PROVIDE NEW FACEPLATES, DEVICE BRACKETS (SURFACE RACKMAY) AND OR DEVICE BOXES. SEE DETAIL A/ET-5.3 FOR FACEPLATE & LABELING REQUIREMENTS.
- (6) AVI INTERFACE MOUNTED AT CENTER OF TEACHING WALL AT +0' AFF. PROVIDE EXTRON 2-6ANG EMB SERIES WALL BOX FOR AVI 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 +0' 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) SEE D/ET-5.3 FOR LABELING REQUIREMENTS.
- (13) 12" WIDE X 4"D BASKET TYPE CABLE TRAY MOUNTED ABOVE CEILING GRID. SEE DETAIL A/ET-5.2 FOR INSTALLATION.
- (14) PROVIDE CONTINUOUS #6 GROUND FOR ENTIRE LENGTH OF CABLE TRAY SYSTEM. BOND EVERY SECTION AND EVERY CONDUIT. BOND TO T6B IN IDF ROOM.
- (15) SEE DETAIL C/E-II.1

GENERAL NOTES

1. SEE DATA RISER DIAGRAM ON ET-1.1 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

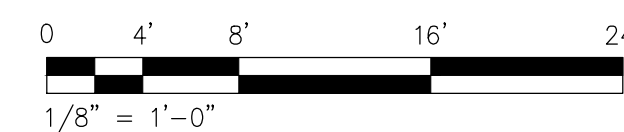


NORTH

NTS



NORTH

$$1/8'' = 1'-0''$$


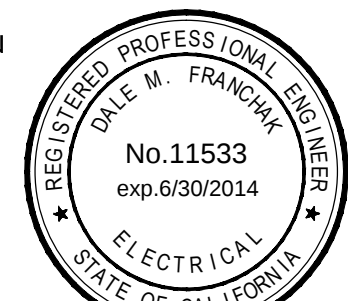
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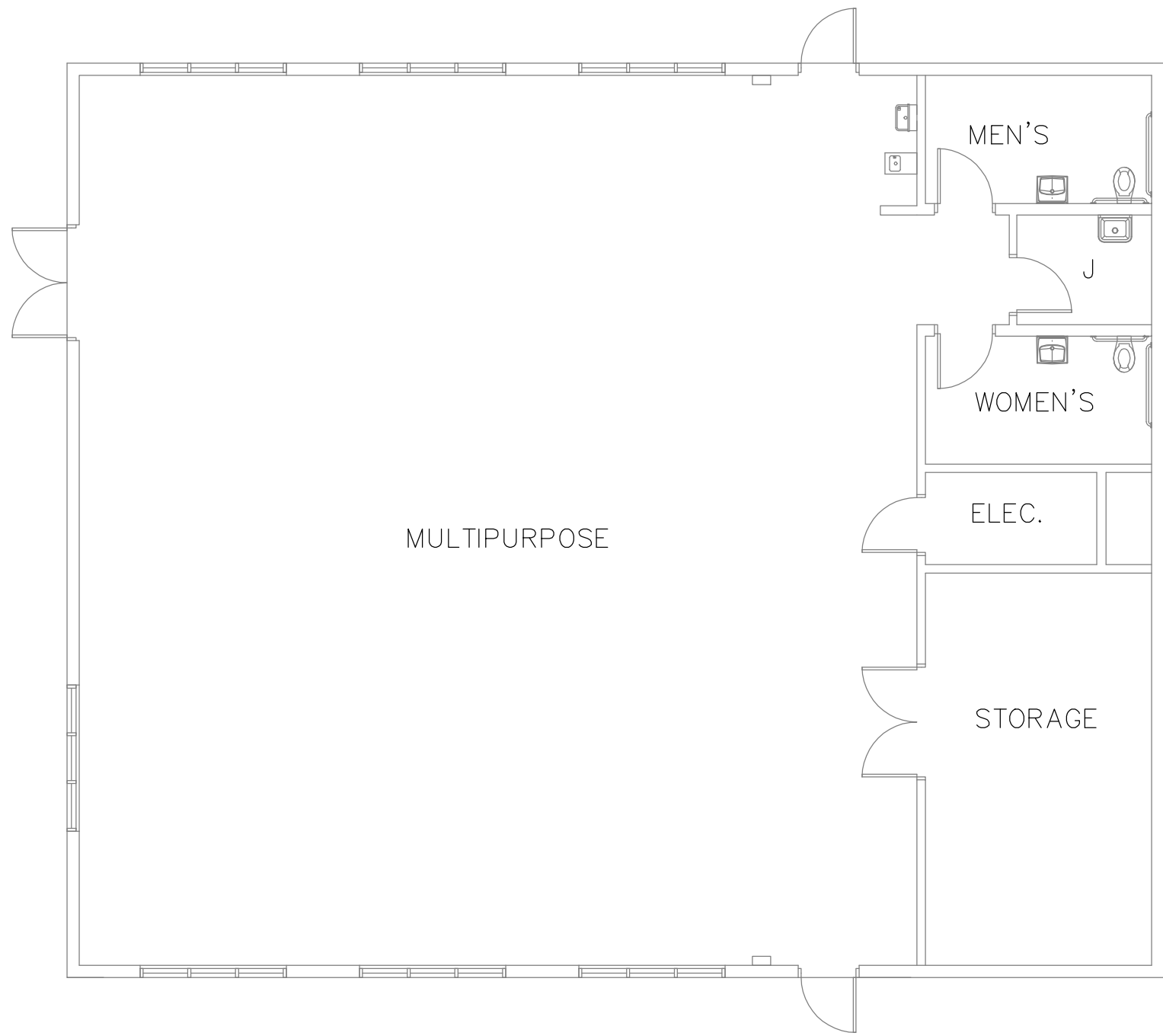
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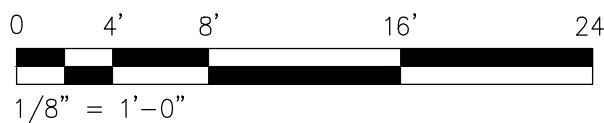
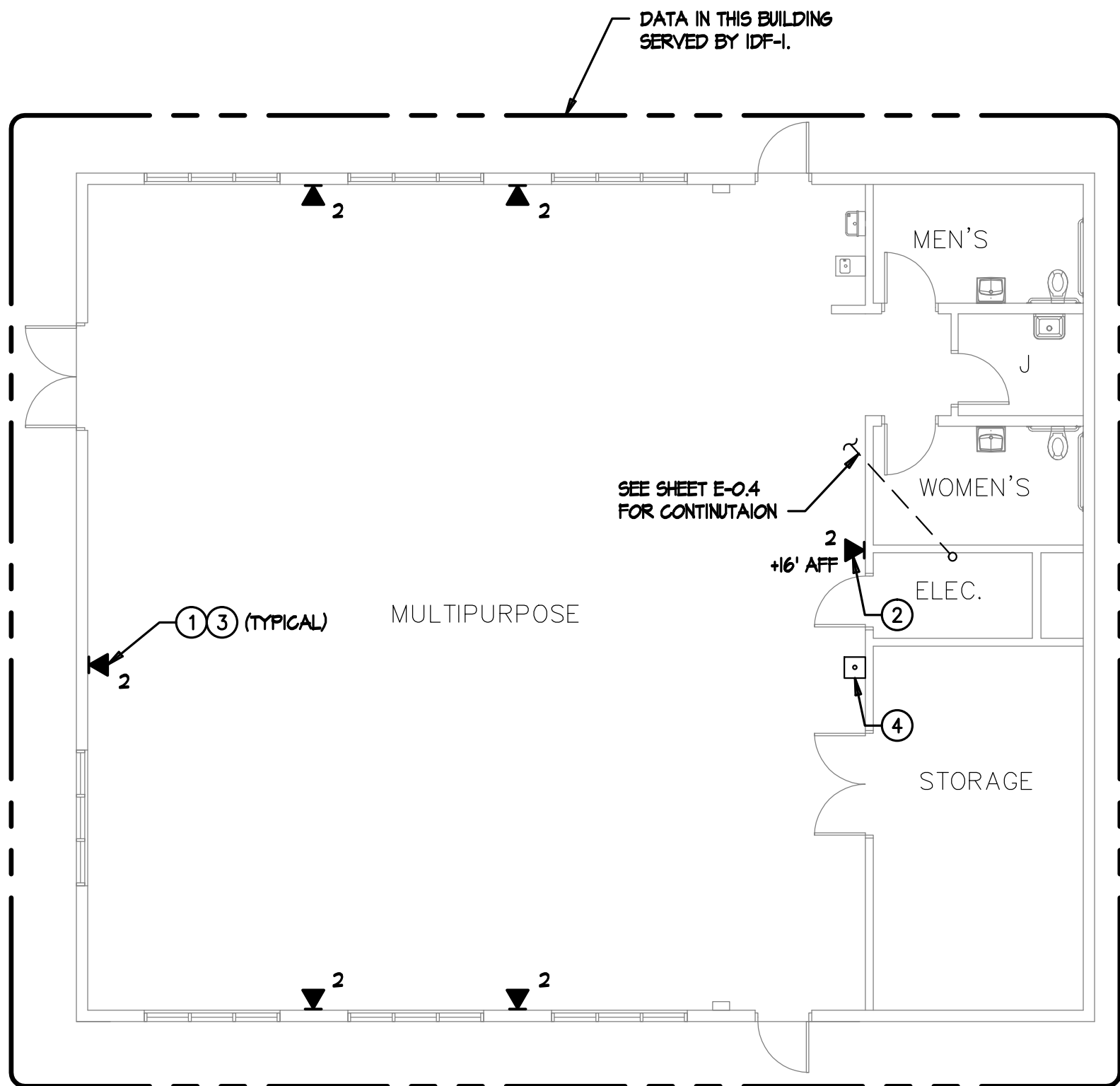
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BUILDING G - POWER PLAN



BUILDING G - SIGNAL PLAN

POWER PLAN KEYNOTES

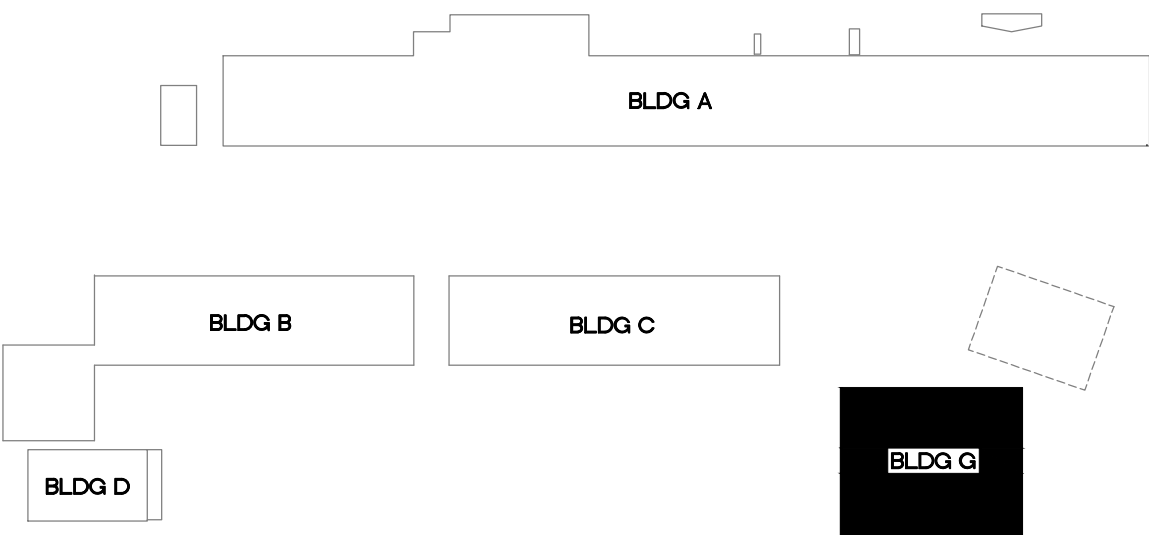
- 1 MOUNT DOUBLE DUPLEX OUTLET IN CEILING TILE FOR CEILING MOUNTED PROJECTOR AND A/V POWER SUPPLY.
- 2 NOT USED.
- 3 PROVIDE RECEPTACLE MOUNTED AT +18" AFF FOR LAPTOP CART. PROVIDE DEDICATED BRANCH CIRCUIT. USE WIREMOLD 2400 DROP FROM CEILING WITH ASSOCIATED CONDUIT TRANSITION FITTINGS.
- 4 SEE RESPECTIVE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

SIGNAL PLAN KEYNOTES

- 1 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 FLUSH IN WALL DESIGNATED FOR WIRELESS NETWORK. PROVIDE NEW CATEGORY 6 JACKS AND CABLES TO IDF. SEE DETAIL F/ET-5.2.
- 3 PROVIDE NEW FACEPLATES, DEVICE BRACKETS (SURFACE RACEWAY) AND OR DEVICE BOXES. SEE DETAIL A/B/ET-5.3 FOR FACEPLATE & LABELING REQUIREMENTS.
- 4 EXISTING PHONE (BOSEN HANDSET), TO REMAIN.

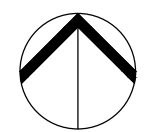
GENERAL NOTES

1. SEE DATA RISER DIAGRAM ON ET-1.1 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.



KEYPLAN

NTS



1/8" = 1'-0"



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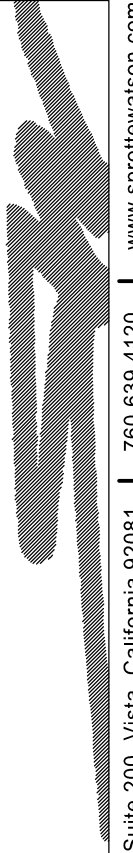
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SPROTTE WATSON

ARCHITECTURE PLANNING



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CREST ELEMENTARY SCHOOL
CAJON VALLEY UNION SCHOOL DISTRICT
2000 SUNCREST BOULEVARD
EL CAJON, CA 92021

CONSULTANT

APPROVALS

DESCRIPTION

BUILDING G
POWER &
SIGNAL PLANS

DATE

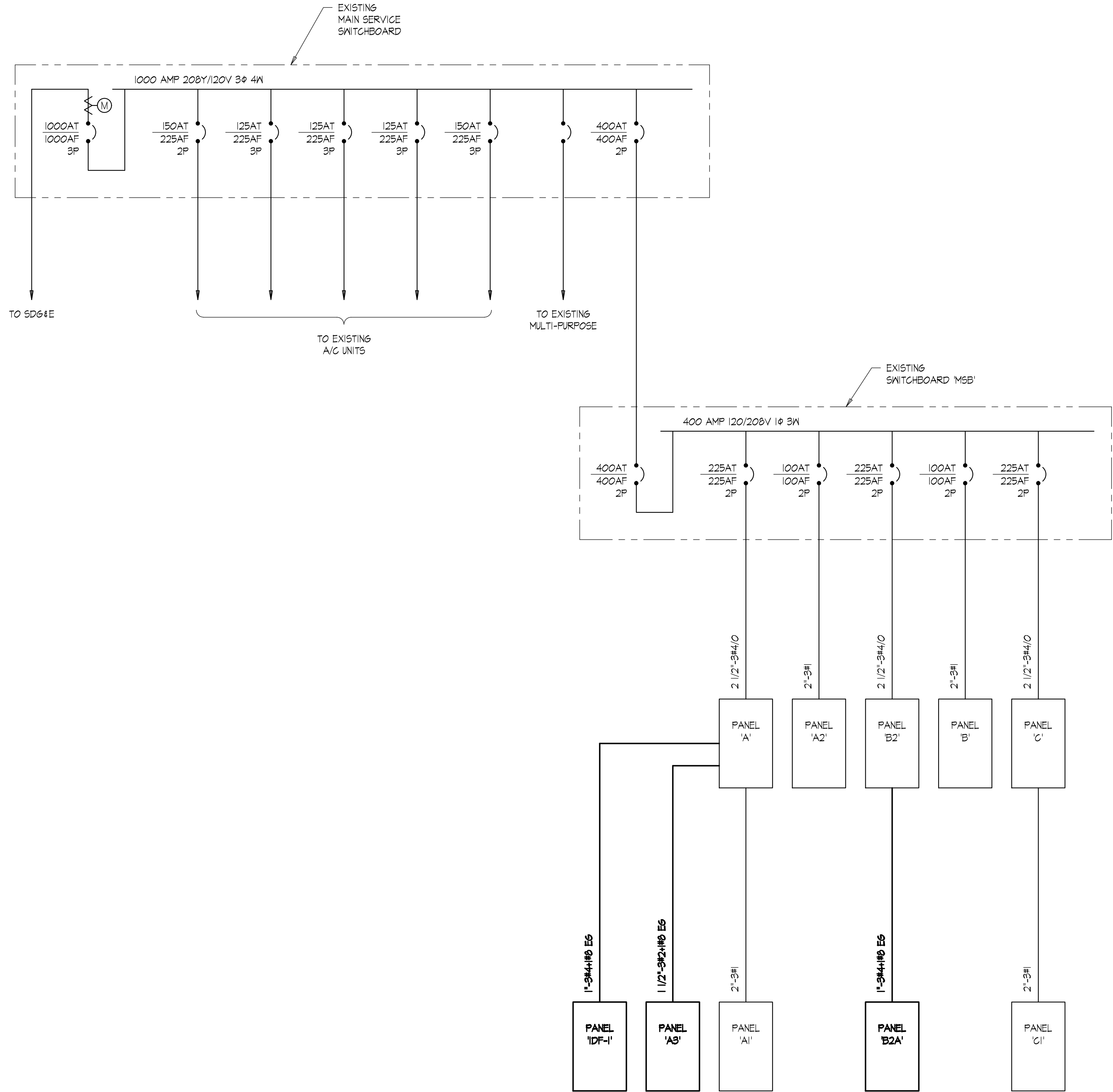
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JOB #

12157

SHEET #

E-4.1



SINGLE LINE DIAGRAM

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SHEET #			
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