

- KEYNOTES**
- SEE DETAIL C/ET-5.3 FOR LABELING.
 - SEE DETAIL D/ET-5.3 FOR LABELING.
 - SEE DETAIL F/ET-5.3 FOR FIBER DISTRIBUTION IN DUCTBANK.

CONDUIT SEGMENT NAME	FROM	TO	TOTAL NUMBER OF CONDUITS		
			4"	2"	3"
C-1	IDF-1	CMH-1	-	-	-
C-2	CMH-1	CPB-1	-	-	-
C-3	CPB-2	CPB-3	-	1	-
C-4	CPB-4	CMH-2	2	2	5
C-5	CMH-2	CMH-3	3	2	1
C-6	CMH-3	CMH-4	3	3	-
C-7	CMH-2	CMH-5	3	2	1
C-8	CMH-2	CPB-5	-	5	-
C-9	CMH-2	CPB-6	-	5	-
C-10	CMH-2	CPB-7	-	3	-
C-11	CMH-2	CPB-8	-	3	-
C-12	CMH-3	CPB-9	-	4	-
C-13	CMH-4	CPB-10	-	4	-
C-14	CMH-4	CPB-11	2	4	2
C-15	CMH-4	CPB-12	-	6	-
C-16	CMH-5	CPB-13	3	2	1
C-17	CMH-5	CPB-14	-	4	-
C-18	CPB-15	CPB-14	-	5	-
C-19	CPB-16	CPB-16	-	4	-
C-20	CMH-6	CPB-17	-	4	-
C-21	CPB-17	IDF-1	-	4	-

NAME	SIZE
CMH-2	3'x5'
CMH-3	3'x5'
CMH-4	3'x5'
CMH-5	3'x5'

NAME	SIZE
CPB-4	36x12
CPB-5	18x12
CPB-6	18x12
CPB-7	18x12
CPB-8	18x12
CPB-9	18x12
CPB-10	24x12
CPB-11	18x12
CPB-12	18x12
CPB-13	24x12
CPB-14	18x12
CPB-15	18x12
CPB-16	18x12
CPB-17	18x12
CPB-18	18x12

CONDUIT SEGMENT NAME	FIBER CONDUITS PLUS 1/4" INNERDUCTS EA.			COPPER			FIRE ALARM / GROUND		SPARE CATV		
	F1	F2	F3	C1	C2	C3	C4	FA	6	SP	TV
C-1	-	-	-	-	-	-	-	-	-	-	-
C-2	-	-	-	-	-	-	-	-	-	-	-
C-3	-	-	-	2"	-	-	-	-	-	-	-
C-4	4"	-	-	3"	3"	3"	3"	2"	2"	4"	3"
C-5	4"	-	-	4"	-	-	-	2"	2"	4"	3"
C-6	4"	-	-	4"	-	-	-	2"	2"	4"	3"
C-7	4"	-	-	4"	-	-	-	2"	2"	4"	3"
C-8	-	-	-	2"	2"	2"	-	-	-	2"	2"
C-9	-	-	-	2"	2"	2"	-	-	-	2"	2"
C-10	-	-	-	2"	-	-	-	-	-	2"	2"
C-11	-	-	-	2"	-	-	-	-	-	2"	2"
C-12	-	-	-	2"	2"	-	-	-	-	2"	2"
C-13	-	-	-	2"	2"	-	-	-	-	2"	2"
C-14	4"	-	-	3"	3"	3"	3"	2"	2"	4"	-
C-15	-	-	-	2"	2"	2"	2"	-	-	2"	2"
C-16	4"	-	-	4"	-	-	-	2"	2"	4"	3"
C-17	-	-	-	2"	2"	-	-	-	-	2"	2"
C-18	-	-	-	2"	2"	2"	-	-	-	2"	2"
C-19	-	-	-	2"	2"	-	-	-	-	2"	2"
C-20	-	-	-	2"	2"	-	-	-	-	2"	2"
C-21	-	-	-	2"	2"	-	-	-	-	2"	2"

- FA = FIRE ALARM
- 6 = GROUND
- SP = SPARE
- CATV = TELEVISION



CONSULTANT

REVISIONS

NOT FOR CONSTRUCTION
 THESE PLANS HAVE BEEN PRINTED FROM THE ORIGINAL DRAWING.
 ANY CHANGES TO THESE PLANS MUST BE MADE TO THE ORIGINAL DRAWING.
 DATE: 03-01-12
 DRAWN BY: M. FORTIE
 CHECKED BY: M. FORTIE
 SPROTTE WATSON ARCHITECTURE AND PLANNING
 450 S. MELROSE DR., SUITE 200, VESPA, CA 92081

APPROVALS

DESCRIPTION

VISTA GRANDE SIGNAL SITE PLAN

DATE

03-01-12

JOB #

11288

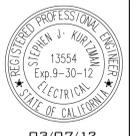
SHEET #

E-04

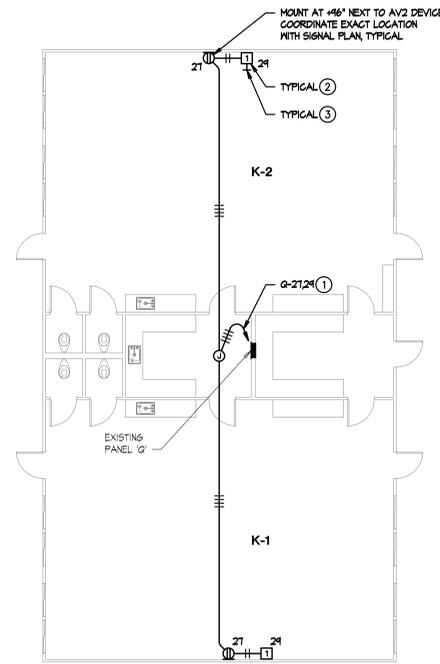


1" = 30'-0"

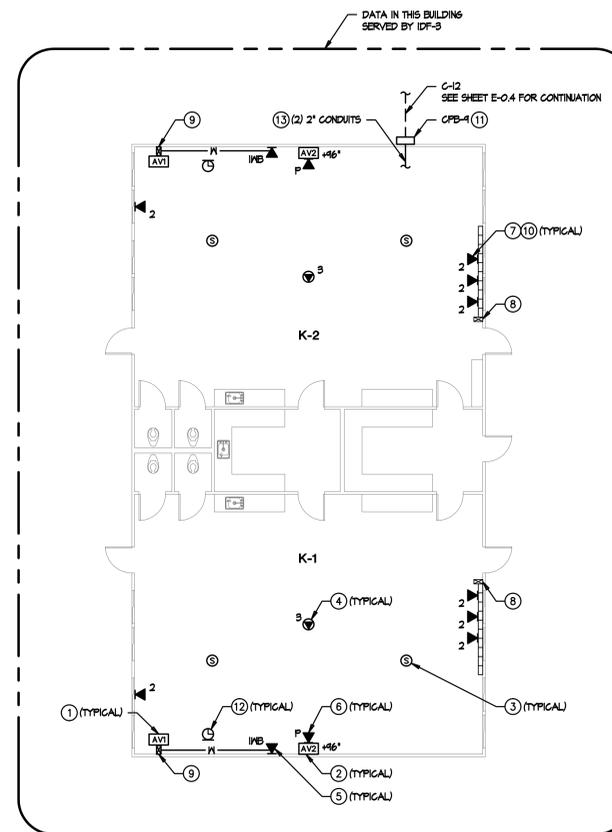
TURPIN & RATTAN
 ENGINEERING, INC.
 CONSULTING ELECTRICAL ENGINEERS
 4719 PALM AVENUE
 LA MESA, CA 91941-5221
 619 / 465 / 6224 FAX 465 / 6233
 E-MAIL: ENGINEER@TRIED.COM
 TREI # 11288
 V.PATHANAK 03/07/12 - 8:48AM



MARK FORTIE, RCD
 REGISTERED COMMERCIAL ENGINEER
 BICSI
 EXP. 9-30-12
 03/07/12



BUILDING Q - K1 & K2- POWER PLAN



BUILDING Q - K1 & K2 - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① PROVIDE TWO NEW 20 AMP 1-POLE CIRCUIT BREAKERS IN EXISTING PANEL TO MATCH EXISTING.
- ② MOUNT TOP OF BOX 2" BELOW CEILING LINE, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.
- ③ 3/4" CONDUIT STRIPPED INTO ACCESSIBLE CEILING SPACE FOR SPEAKER WIRING, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.

SIGNAL PLAN KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION (42" AFF). SEE ET-5.4 FOR DETAILS. PROVIDE EXTRON 2-GANG EMB SERIES WALLBOX FOR AV INTERFACE. SEE DETAIL B/ET-5.4
- ② AV2 OUTLET MOUNTED AT SHORT-THROW PROJECTOR LOCATION (46" AFF). SEE ET-5.4 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- ④ (2) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK.
- ⑤ (1) PORT CATEGORY 6 DATA OUTLET AT 48" A.F.F. DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. MOUNT WITHIN 12" OF EXISTING POWER OUTLET.
- ⑥ (1) PORT CATEGORY 6 DATA OUTLET AT 46" A.F.F. DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH SHORT-THROW PROJECTOR MOUNTING PLATE.
- ⑦ (2) PORT CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION. SEE RISER DIAGRAM AVET-1.1 FOR DETAILS
- ⑧ EXISTING MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE.
- ⑨ NEW MULTI-CHANNEL SURFACE MOUNTED RACEWAY INTO ACCESSIBLE CEILING SPACE.
- ⑩ SEE AB/ET-5.3 FOR LABELING DETAILS.
- ⑪ SEE D/ET-5.3 FOR LABELING DETAILS.
- ⑫ DISTRICT PROVIDED GPS/SATELLITE CLOCK.
- ⑬ PENETRATE OUTSIDE WALL IN ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. GULF PENETRATION TO MAINTAIN FIRE RATINGS. SEE DETAIL AVET-5.2 FOR TYPICAL CONNECTION TO HORIZONTAL PATHWAYS.

SPECIAL NOTE

1. CONTRACTOR TO RE-USE EXISTING SURFACE MOUNTED RACEWAY. PROVIDE NEW RACEWAY AND/OR ANY REPLACEMENTS IN THE EVENT OF DAMAGE TO MATCH EXISTING RACEWAY (HUBBELL).



CONSULTANT

REVISIONS

DATE	DESCRIPTION
03-01-12	PRELIMINARY DRAWING
03-01-12	PROGRESS DRAWING
03-01-12	INFORMATION DRAWING

APPROVALS

DESCRIPTION

BUILDING Q
K1 & K2
POWER/SIGNAL
PLANS

DATE

03-01-12

JOB #

11288

SHEET #

E-11



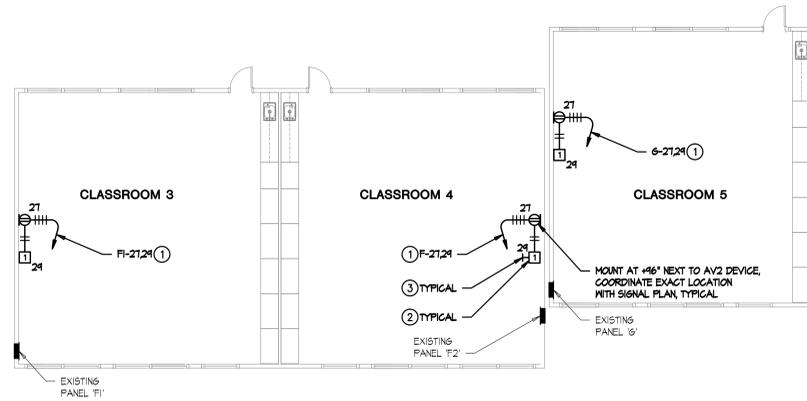
1/8" = 1'-0"



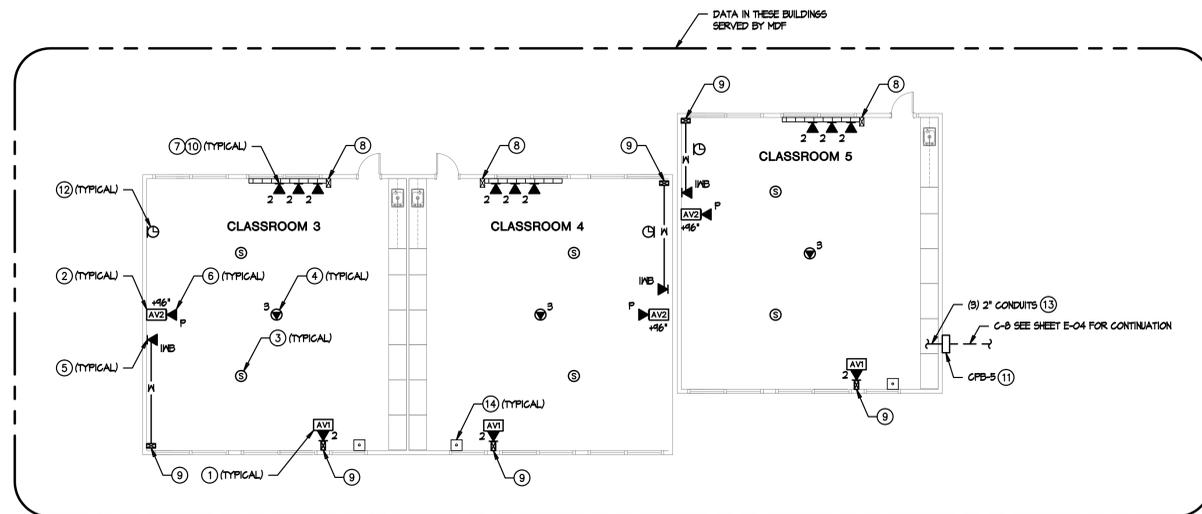
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619 / 465 / 6224 FAX 665 / 6233
E-MAIL: ENGINEER@TRIED.COM
TREI # 11288
V.PATHANAK 03/07/12 - 8:48AM

MARK FORTIE, RCD
REGISTERED PROFESSIONAL ENGINEER
13554
Exp. 9-30-12
ELECTRICAL
REG. NO. 13554
03/07/12

REGISTERED COMMUNICATIONS SPECIALIST
BICSI
13554
Exp. 9-30-12
ELECTRICAL
REG. NO. 13554
03/07/12



BUILDING F - CLASSROOM 3,4,5 - POWER PLAN



BUILDING F - CLASSROOM 3,4,5 - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① CONNECT TO EXISTING 20 AMP 1-POLE CIRCUIT BREAKER IN EXISTING PANEL.
- ② MOUNT TOP OF BOX 2" BELOW CEILING LINE, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.
- ③ 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FOR SPEAKER WIRING, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.

SIGNAL PLAN KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION (+42" AFF). SEE ET-5.4 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT SHORT-THROW PROJECTOR LOCATION (+46" AFF). SEE ET-5.4 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- ④ (S) 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. USE EXISTING DATA OUTLET LOCATION CLOSEST TO CENTER OF THE TEACHING WALL.
- ⑥ (I) PORT CATEGORY 6 DATA OUTLET AT +46" A.F.F. DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH SHORT-THROW PROJECTOR MOUNTING PLATE.
- ⑦ (2) PORT CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION. SEE RISER DIAGRAM AVET-1.1 FOR DETAILS.
- ⑧ EXISTING MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE.
- ⑨ NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-6ANG 6MB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL B1ET-5.4.
- ⑩ SEE A/B1ET-5.3 FOR LABELING DETAILS.
- ⑪ SEE D/ET-5.3 FOR LABELING DETAILS.
- ⑫ DISTRICT PROVIDED GPS/SATELLITE CLOCK.
- ⑬ PENETRATE OUTSIDE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. CALK PENETRATION TO MAINTAIN WALL RATINGS. SEE DETAIL A/ET-5.2 FOR TYPICAL CONNECTION TO HORIZONTAL PATHWAYS.
- ⑭ EXISTING PHONE (BOGEN HANDSET).

SPECIAL NOTE

1. CONTRACTOR TO RE-USE EXISTING SURFACE MOUNTED RACEWAY. PROVIDE NEW RACEWAY AND/OR ANY REPLACEMENTS IN THE EVENT OF DAMAGE TO MATCH EXISTING RACEWAY (HUBBELL).



CONSULTANT

REVISIONS

NOT FOR CONSTRUCTION
THIS PLAN HAS BEEN PRINTED FROM THE ISSUED TO THE USER OF THIS DRAWING.
DATE: 03-01-12
DRAWN BY: SPROTTE WATSON
CHECKED BY: SPROTTE WATSON
DATE: 03-01-12
SCALE: AS SHOWN
PROJECT: VISTA GRANDE SCHOOL MODERNIZATION
SHEET: E-21

APPROVALS

DESCRIPTION

BUILDING F
CLASSROOM 3,4,5
POWER/SIGNAL
PLANS

DATE

03-01-12

JOB #

11288

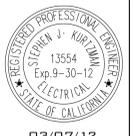
SHEET #

E-21



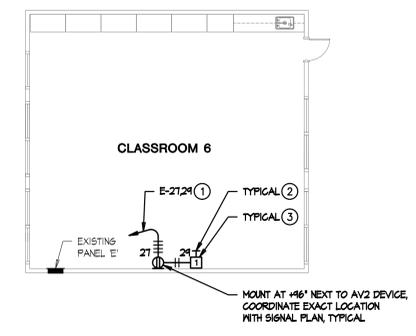
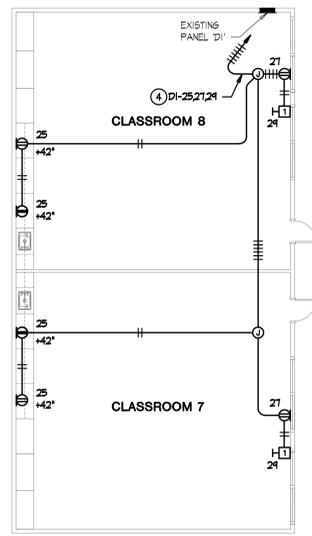
1/8" = 1'-0"

TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619 / 465 / 6224 FAX 666 / 6233
E-MAIL: ENGINEER@TREID.COM
TREI # 11288
V.PATHANAK 03/07/12 - 8:48AM

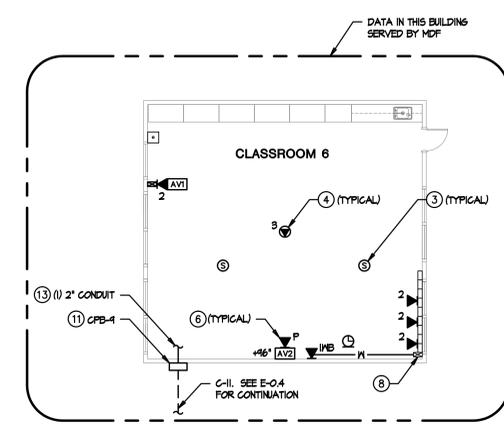
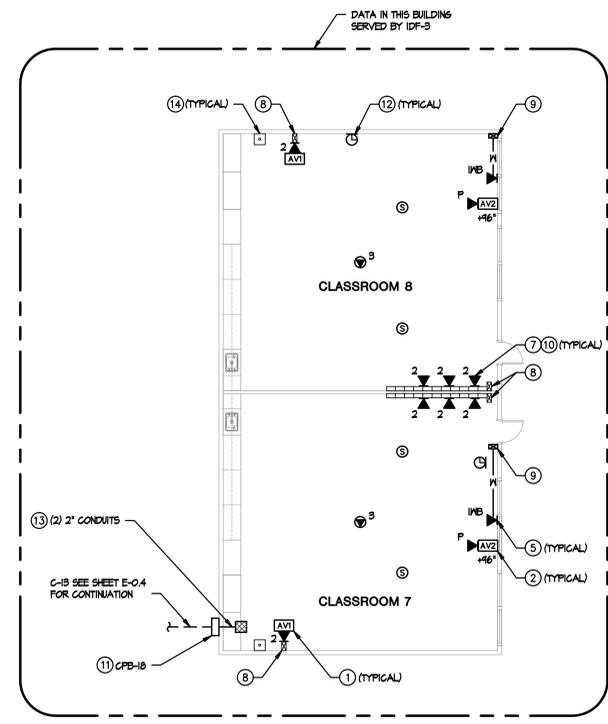


MARK FORTIE, RCDD
REGISTERED COMMUNICATIONS DESIGNER
BICSI
EXPIRES 12/31/14
Regis. No. 681432

03/07/12



BUILDING D & E - CLASSROOM 6,7,8 - POWER PLAN



BUILDING D & E - CLASSROOM 6,7,8 - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① CONNECT TO EXISTING 20 AMP 1-POLE CIRCUIT BREAKER IN EXISTING PANEL.
- ② MOUNT TOP OF BOX 2" BELOW CEILING LINE, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.
- ③ 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FOR SPEAKER WIRING, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.
- ④ PROVIDE TWO NEW 20 AMP 1-POLE CIRCUIT BREAKERS IN EXISTING PANEL TO MATCH EXISTING.

SIGNAL PLAN KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION (42" AFF). SEE ET-5.4 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT SHORT-THROW PROJECTOR LOCATION (46" AFF). SEE ET-5.4 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- ④ (S) 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. USE EXISTING DATA OUTLET LOCATION CLOSEST TO CENTER OF THE TEACHING MALL.
- ⑥ (I) PORT CATEGORY 6 DATA OUTLET AT 46" A.F.F. DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH SHORT-THROW PROJECTOR MOUNTING PLATE.
- ⑦ (2) PORT CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION. SEE RISER DIAGRAM AVET-1.1 FOR DETAILS.
- ⑧ EXISTING MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE.
- ⑨ NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-6ANG 6MB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL BIET-5.4.
- ⑩ SEE AV/ET-5.3 FOR LABELING DETAILS.
- ⑪ SEE D/ET-5.3 FOR LABELING DETAILS.
- ⑫ DISTRICT PROVIDED GPS/SATELLITE CLOCK.
- ⑬ PENETRATE OUTSIDE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. CAULK PENETRATION TO MAINTAIN WALL RATINGS. SEE DETAIL AVET-5.2 FOR TYPICAL CONNECTION TO HORIZONTAL PATHWAYS.
- ⑭ EXISTING PHONE (BOGEN HANDSET).

SPECIAL NOTE

1. CONTRACTOR TO RE-USE EXISTING SURFACE MOUNTED RACEWAY. PROVIDE NEW RACEWAY AND/OR ANY REPLACEMENTS IN THE EVENT OF DAMAGE TO MATCH EXISTING RACEWAY (HUBBELL).



CONSULTANT

REVISIONS

NOT FOR CONSTRUCTION
THIS PLAN HAS BEEN PRINTED FROM THE ISSUED SET OF DRAWINGS.
DATE: 03-01-12
BY: Sprotte Watson
CHECKED: Sprotte Watson
DATE: 03-01-12
BY: Sprotte Watson
DATE: 03-01-12
BY: Sprotte Watson

APPROVALS

DESCRIPTION

BUILDING D & E
CLASSROOM
6,7,8
POWER/SIGNAL
PLANS

DATE

03-01-12

JOB #

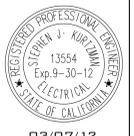
11288

SHEET #

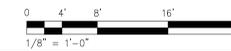
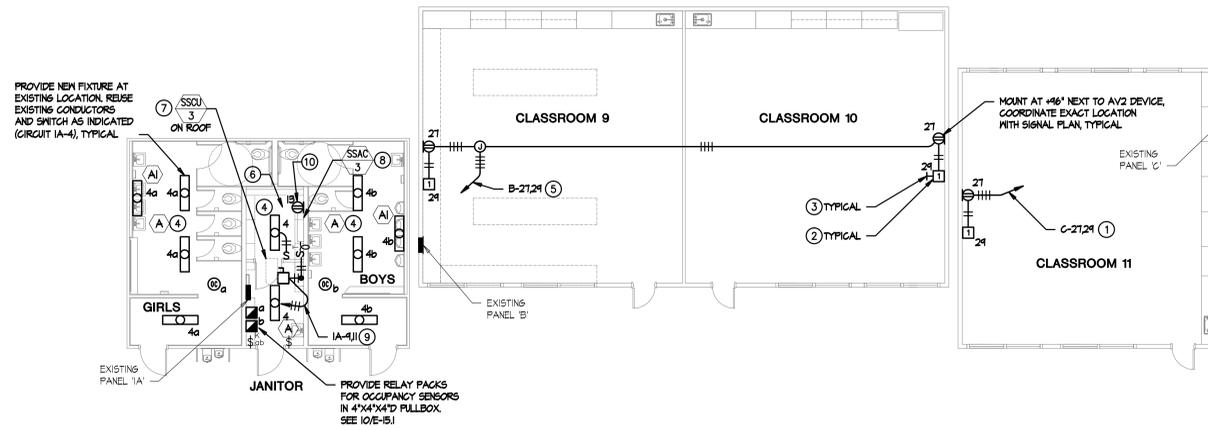
E-31



TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619 / 465 / 6224 FAX 665 / 6233
E-MAIL: ENGINEER@TRIED.COM
TREI # 11288
V.PHATHANAK 03/07/12 - 8:48AM



MARK FORTIE, RCD
REGISTERED COMMERCIAL
ELECTRICAL
EXPIRES 12/31/14
Regis. No. 081432
03/07/12



BUILDING A,B,C - CLASSROOM 9,10,11, BOY & GIRL RESTROOM - POWER PLAN

POWER PLAN KEYNOTES

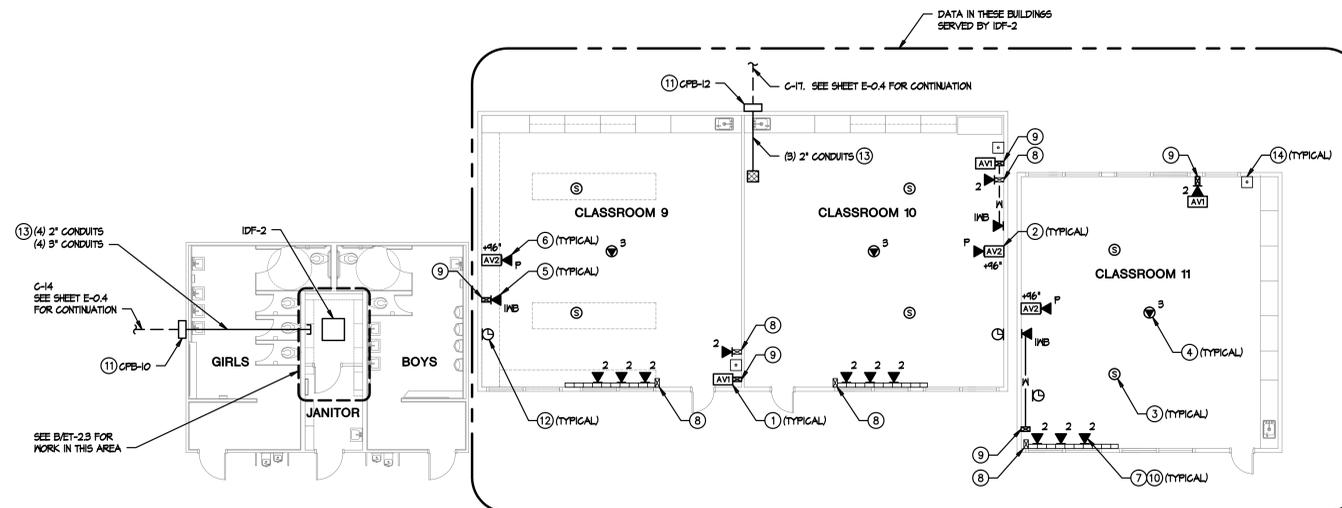
- 1 CONNECT TO EXISTING 20 AMP 1-POLE CIRCUIT BREAKER IN EXISTING PANEL.
- 2 MOUNT TOP OF BOX 2" BELOW CEILING LINE, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.
- 3 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FOR SPEAKER WIRING, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.
- 4 PROVIDE CONNECTION TO EXISTING JUNCTION BOX, CONTRACTOR TO MAKE ADJUSTMENTS TO EXISTING JUNCTION BOX AS REQUIRED TO ACCOMMODATE NEW CEILING WORK, COORDINATE CEILING WORK WITH ARCHITECTURAL PLANS.
- 5 PROVIDE TWO NEW 20 AMP 1-POLE CIRCUIT BREAKERS IN EXISTING PANEL TO MATCH EXISTING.
- 6 PROVIDE NEW POWER OUTLETS FOR IDF 3, SEE B/EIET-2.4 ADDITIONAL POWER REQUIREMENTS.
- 7 PROVIDE NEHA BR. 30A530A/2P DISCONNECT SWITCH ON ROOF FOR CONDENSING UNIT. PROVIDE 3/4" SMD DOWN TO FAN COIL UNIT IN IDF ROOM. PATCH/REPAIR/SEAL ROOF PENETRATION.
- 8 PROVIDE NEHA 1, DPST 208 VOLT MOTOR RATED SWITCH WITH THERMAL OVERLOAD PROTECTION AND FINAL CONNECTION TO FAN COIL UNIT. FAN COIL UNIT POWERED THROUGH CONDENSING UNIT.
- 9 PROVIDE NEW 90 AMP 2-POLE CIRCUIT BREAKER IN EXISTING PANEL TO MATCH EXISTING.
- 10 PROVIDE RECEPTACLE NEXT TO FAN COIL UNIT FOR CONDENSATE PUMP CONNECTION. SEE B/EIET-2.4 FOR BRANCH CIRCUIT REQUIREMENT.

SIGNAL PLAN KEYNOTES

- 1 AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION (42" AFF). SEE ET-5.4 FOR DETAILS.
- 2 AV2 OUTLET MOUNTED AT SHORT-THROW PROJECTOR LOCATION (46" AFF). SEE ET-5.4 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.
- 5 (I) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. USE EXISTING DATA OUTLET LOCATION CLOSEST TO CENTER OF THE TEACHING MALL.
- 6 (I) PORT CATEGORY 6 DATA OUTLET AT 46" A.F.F. DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH SHORT-THROW PROJECTOR MOUNTING PLATE.
- 7 (2) PORT CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION. SEE RISER DIAGRAM AVET-1.1 FOR DETAILS.
- 8 EXISTING MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE.
- 9 NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-6ANG 6MB SERIES MALL BOX FOR AV INTERFACE. SEE DETAIL B/EIET-5.4.
- 10 SEE A/B/EIET-5.3 FOR LABELING DETAILS.
- 11 SEE D/EIET-5.3 FOR LABELING DETAILS.
- 12 DISTRICT PROVIDED GPS/SATELLITE CLOCK.
- 13 PENETRATE OUTSIDE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. GULF PENETRATION TO MAINTAIN WALL RATINGS. SEE DETAIL A/EIET-5.2 FOR TYPICAL CONNECTION TO HORIZONTAL PATHWAYS.
- 14 EXISTING PHONE (BOGEN HANDSET).

SPECIAL NOTE

1. CONTRACTOR TO RE-USE EXISTING SURFACE MOUNTED RACEWAY. PROVIDE NEW RACEWAY AND/OR ANY REPLACEMENTS IN THE EVENT OF DAMAGE TO MATCH EXISTING RACEWAY (HUBBELL).



BUILDING A,B,C - CLASSROOM 9,10,11, BOY & GIRL RESTROOM - SIGNAL PLAN



CONSULTANT

REVISIONS

NOT FOR CONSTRUCTION
THIS PLAN WAS PREPARED BY THE ARCHITECT OR ENGINEER AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
DATE: 03/07/12
DRAWN BY: SPROTTE WATSON
CHECKED BY: SPROTTE WATSON
DATE: 03/07/12
PROJECT: VISTA GRANDE SCHOOL MODERNIZATION
SHEET: E-4.1
SCALE: AS SHOWN

APPROVALS

DESCRIPTION
BUILDING A,B,C
CLASSROOM
9,10,11, BOY & GIRL
RESTROOM
POWER/SIGNAL

DATE
03-01-12

JOB #
11288

SHEET #

E-4.1



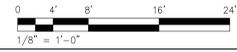
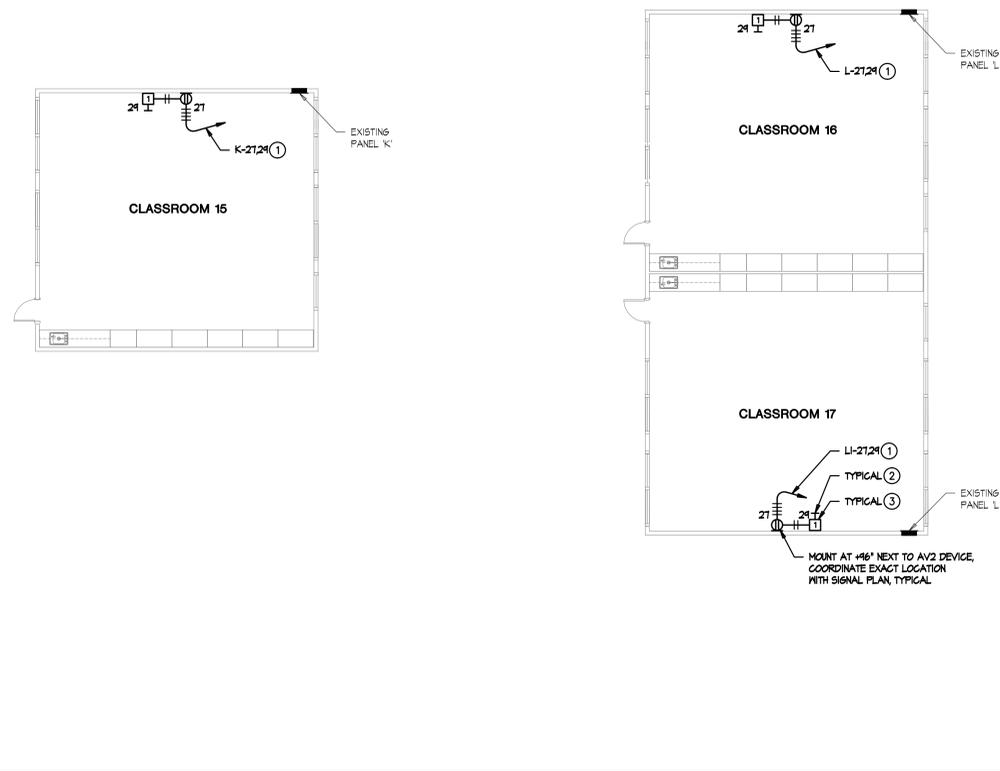
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MECA, CA 91941-5221
619 / 465 / 6224 FAX 465 / 6233
E-MAIL: ENGINEER@TRR.EID.COM
TREI # 11288
V.PATHANAK 03/07/12 - 8:49AM



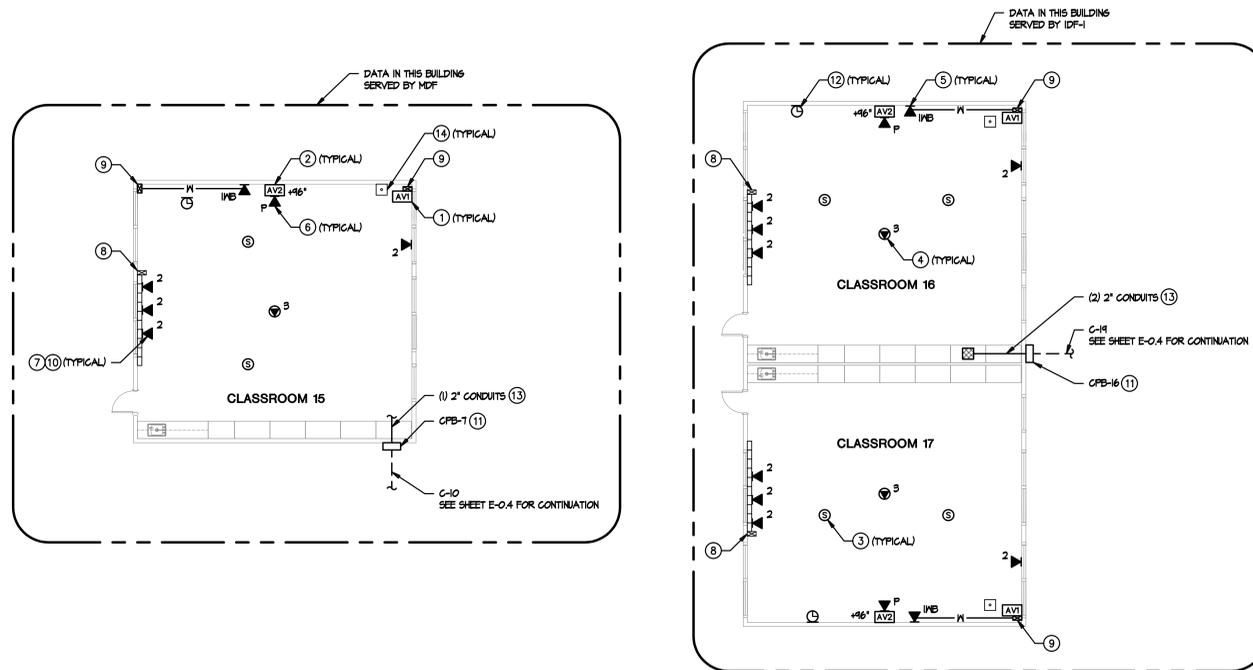
MARK FORTIE, RCDD
REGISTERED COMMUNICATIONS CONSULTANT
BICSI
EXPIRES 10/31/14
Regis. No. 081432

03/07/12

1/8" = 1'-0"



BUILDING K & L - CLASSROOM 15,16,17 - POWER PLAN



BUILDING K & L - CLASSROOM 15,16,17 - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① CONNECT TO EXISTING 20 AMP 1-POLE CIRCUIT BREAKER IN EXISTING PANEL.
- ② MOUNT TOP OF BOX 2" BELOW CEILING LINE, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.
- ③ 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FOR SPEAKER WIRING, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.

SIGNAL PLAN KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION (42" AFF). SEE ET-5.4 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT SHORT-THROW PROJECTOR LOCATION (46" AFF). SEE ET-5.4 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
- ④ (S) 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. USE EXISTING DATA OUTLET LOCATION CLOSEST TO CENTER OF THE TEACHING MALL.
- ⑥ (I) PORT CATEGORY 6 DATA OUTLET AT 46" A.F.F. DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH SHORT-THROW PROJECTOR MOUNTING PLATE.
- ⑦ (2) PORT CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION. SEE RISER DIAGRAM AVET-1.J FOR DETAILS.
- ⑧ EXISTING MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE.
- ⑨ NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-6ANG EMB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL BIET-5.4.
- ⑩ SEE AVIET-5.3 FOR LABELING DETAILS.
- ⑪ SEE D/ET-5.3 FOR LABELING DETAILS.
- ⑫ DISTRICT PROVIDED GPS/SATELLITE CLOCK.
- ⑬ PENETRATE OUTSIDE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. GULK PENETRATION TO MAINTAIN WALL RATING. SEE DETAIL AVET-5.2 FOR TYPICAL CONNECTION TO HORIZONTAL PATHWAYS.
- ⑭ EXISTING PHONE (BOGEN HANDSET).

SPECIAL NOTE

1. CONTRACTOR TO RE-USE EXISTING SURFACE MOUNTED RACEWAY. PROVIDE NEW RACEWAY AND/OR ANY REPLACEMENTS IN THE EVENT OF DAMAGE TO MATCH EXISTING RACEWAY (HUBBELL).



CONSULTANT

REVISIONS

NOT FOR CONSTRUCTION
 THESE PLANS HAVE BEEN PRINTED FROM THE ISSUED SET OF PLOTTED PRINTS AND ARE SUBJECT TO CHANGE.
 DATE: 03/01/12
 THE TIME: 10:00 AM
 Sprotte Watson
 Architecture and Planning
 400 S. Main Street, Suite 200, Vista, CA 92081

APPROVALS

DESCRIPTION

BUILDING K & L
CLASSROOM
15,16,17
POWER/SIGNAL
PLANS

DATE

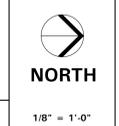
03-01-12

JOB #

11288

SHEET #

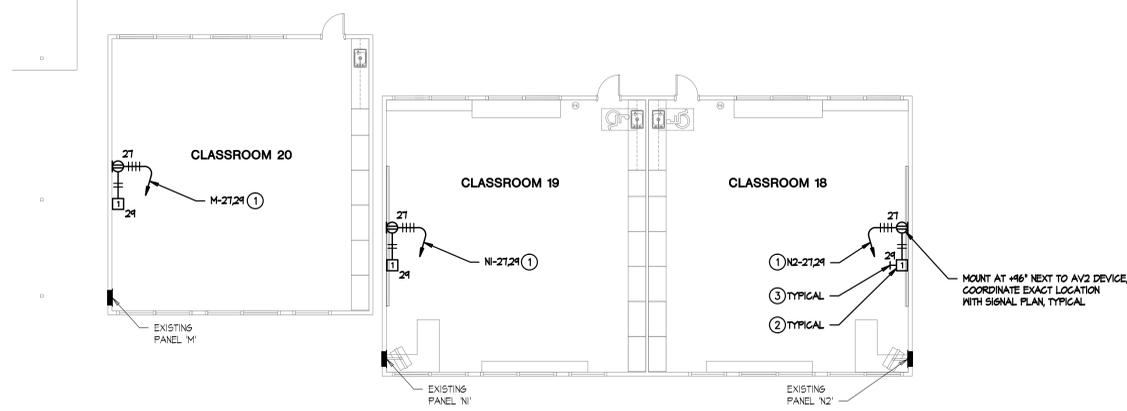
E-6.1



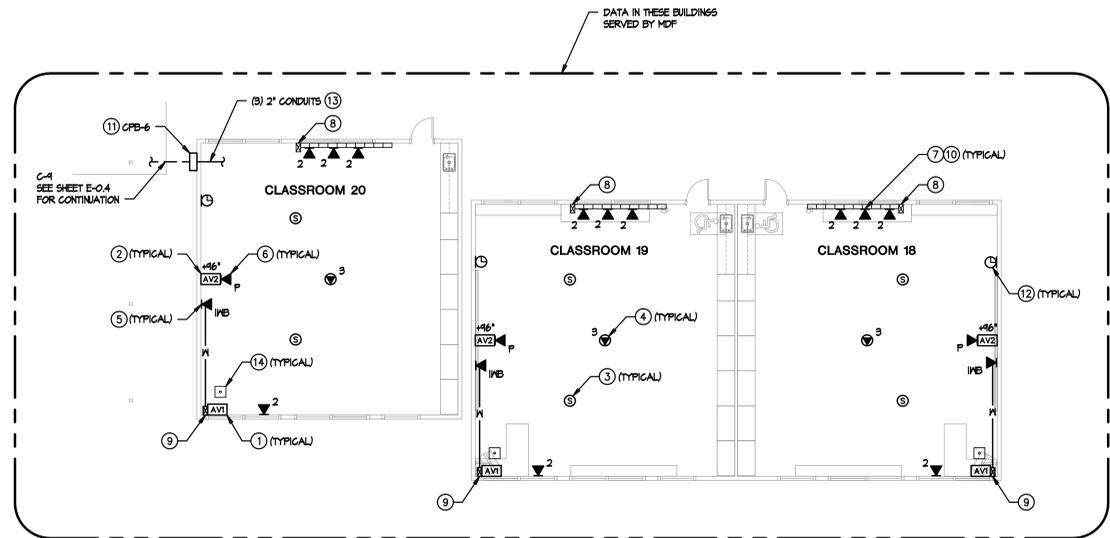
TURPIN & RATTAN
 ENGINEERING, INC.
 CONSULTING ELECTRICAL ENGINEERS
 4719 PALM AVENUE
 LA MESA, CA 91941-5221
 619 / 465 / 6224 FAX 666 / 6233
 E-MAIL: ENGINEER@TRIED.COM
 TREI # 11288
 V.PATHANAK 03/07/12 8:49AM



03/07/12



BUILDING M & N - CLASSROOM 18,19,20 - POWER PLAN



BUILDING M & N - CLASSROOM 18,19,20 - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① CONNECT TO EXISTING 20 AMP 1-POLE CIRCUIT BREAKER IN EXISTING PANEL.
- ② MOUNT TOP OF BOX 2" BELOW CEILING LINE, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.
- ③ 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FOR SPEAKER WIRING, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.

SIGNAL PLAN KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION (42" AFF). SEE ET-5.4 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT SHORT-THROW PROJECTOR LOCATION (46" AFF). SEE ET-5.4 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 NETWORKS.
- ⑤ (1) PORT CATEGORY 6 DATA OUTLET DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD. USE EXISTING DATA OUTLET LOCATION CLOSEST TO CENTER OF THE TEACHING MALL.
- ⑥ (1) PORT CATEGORY 6 DATA OUTLET AT 46" A.F.F. DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH SHORT-THROW PROJECTOR MOUNTING PLATE.
- ⑦ (2) PORT CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION. SEE RISER DIAGRAM AVET-1.1 FOR DETAILS.
- ⑧ EXISTING MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE.
- ⑨ NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE. PROVIDE EXTRON 2-6ANG 6MB SERIES WALL BOX FOR AV INTERFACE. SEE DETAIL BDET-5.4.
- ⑩ SEE A/BDET-5.3 FOR LABELING DETAILS.
- ⑪ SEE D/ET-5.3 FOR LABELING DETAILS.
- ⑫ DISTRICT PROVIDED GPS/SATELLITE CLOCK.
- ⑬ PENETRATE OUTSIDE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. CALK PENETRATION TO MAINTAIN WALL RATINGS. SEE DETAIL AVET-5.2 FOR TYPICAL CONNECTION TO HORIZONTAL PATHWAYS.
- ⑭ EXISTING PHONE (BOGEN HANDSET).

SPECIAL NOTE

- I. CONTRACTOR TO RE-USE EXISTING SURFACE MOUNTED RACEWAY. PROVIDE NEW RACEWAY AND/OR ANY REPLACEMENTS IN THE EVENT OF DAMAGE TO MATCH EXISTING RACEWAY (HUBBELL).



TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619 / 465 / 6224 FAX 465 / 6233
E-MAIL: ENGINEER@TRRID.COM
TREI # 11288
V.PHATHANAK 03/07/12 - 8:49AM



MARK FORTIE, RCDD
REGISTERED COMMUNICATIONS DESIGNER
BICSI
INTERNATIONAL
EXPIRES 12/31/14
Regis. No. 081432



CONSULTANT

REVISIONS

DATE	DESCRIPTION
03-01-12	ISSUED FOR CONSTRUCTION

APPROVALS

DESCRIPTION

BUILDING M & N
CLASSROOM
18,19,20
POWER/SIGNAL
PLANS

DATE

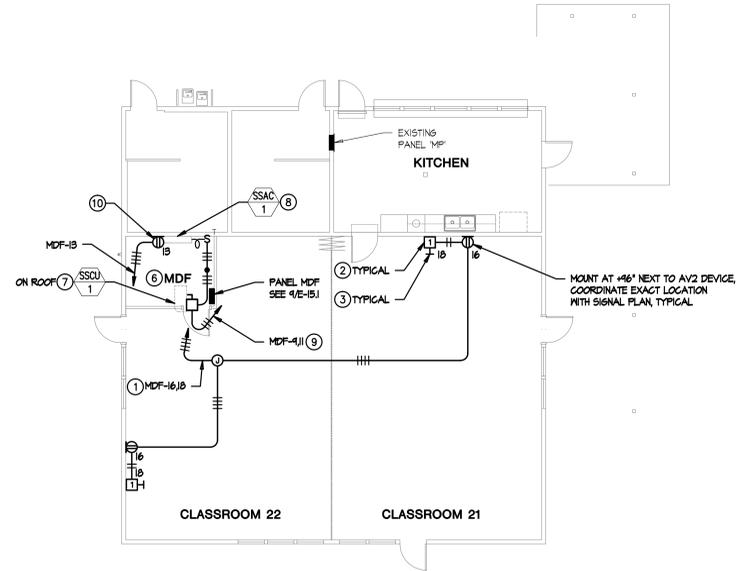
03-01-12

JOB #

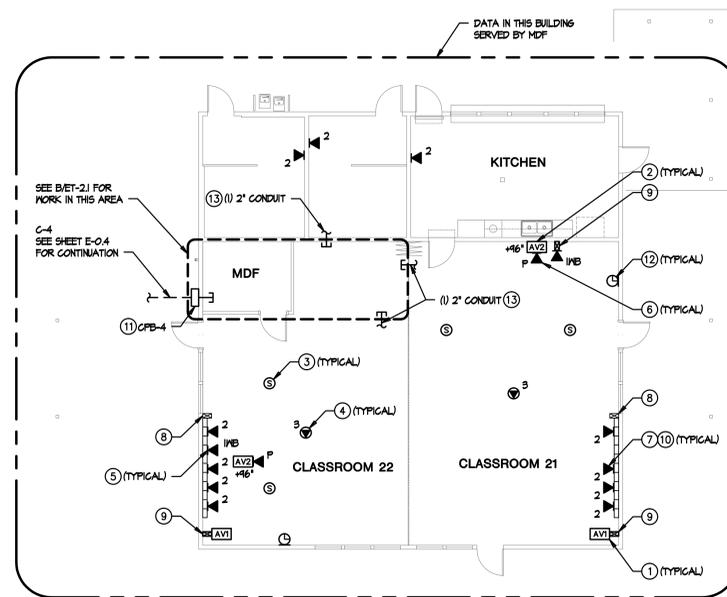
11288

SHEET #

E-7.1



BUILDING P - CLASSROOM 21,22 - POWER PLAN



BUILDING P - CLASSROOM 21,22 - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① CONNECT TO EXISTING 20 AMP 1-POLE CIRCUIT BREAKER IN EXISTING PANEL.
- ② MOUNT TOP OF BOX 2" BELOW CEILING LINE, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.
- ③ 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FOR SPEAKER WIRING, COORDINATE EXACT LOCATION WITH AV CONTRACTOR, TYPICAL.
- ④ PROVIDE CONNECTION TO EXISTING JUNCTION BOX, CONTRACTOR TO MAKE ADJUSTMENTS TO EXISTING JUNCTION BOX AS REQUIRED TO ACCOMMODATE NEW CEILING WORK, COORDINATE CEILING WORK WITH ARCHITECTURAL PLANS.
- ⑤ PROVIDE TWO NEW 20 AMP 1-POLE CIRCUIT BREAKERS IN EXISTING PANEL TO MATCH EXISTING.
- ⑥ SEE BIET-2.1 FOR ADDITIONAL POWER REQUIREMENTS IN MDF ROOM.
- ⑦ PROVIDE NEHA OR 30A5B0A/2P DISCONNECT SWITCH ON ROOF FOR CONDENSING UNIT, PROVIDE 3/4" SMI DOWN TO FAN COIL UNIT IN IDF ROOM, PATCH/REPAIR/SEAL ROOF PENETRATION.
- ⑧ PROVIDE NEHA 1 DPST 208 VOLT MOTOR RATED SWITCH WITH THERMAL OVERLOAD PROTECTION AND FINAL CONNECTION TO FAN COIL UNIT, FAN COIL UNIT POWERED THROUGH CONDENSING UNIT.
- ⑨ PROVIDE NEW 90 AMP 2-POLE CIRCUIT BREAKER IN EXISTING PANEL TO MATCH EXISTING.
- ⑩ PROVIDE RECEPTACLE NEXT TO FAN COIL UNIT FOR CONDENSATE PUMP CONNECTION, COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR, PROVIDE NEW 20 AMP 1-POLE CIRCUIT BREAKER IN EXISTING PANEL TO MATCH EXISTING.

SIGNAL PLAN KEYNOTES

- ① AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION (42" AFF), SEE ET-5.4 FOR DETAILS.
- ② AV2 OUTLET MOUNTED AT SHORT-THROW PROJECTOR LOCATION (46" AFF), SEE ET-5.4 FOR DETAILS.
- ③ AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE, SEE ET-5.4 FOR DETAILS.
- ④ (S) 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, USE EXISTING DATA OUTLET LOCATION CLOSEST TO CENTER OF THE TEACHING MALL.
- ⑥ (I) PORT CATEGORY 6 DATA OUTLET AT 46" A.F.F. DESIGNATED FOR PROJECTOR MONITORING, CONTRACTOR TO COORDINATE EXACT LOCATION WITH SHORT-THROW PROJECTOR MOUNTING PLATE.
- ⑦ (2) PORT CATEGORY 6 DATA OUTLET, PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF, UTILIZE EXISTING RACEWAY FOR INSTALLATION, SEE RISER DIAGRAM AVET-1.1 FOR DETAILS.
- ⑧ EXISTING MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE.
- ⑨ NEW MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE, PROVIDE EXTRON 2-6ANG 6MS SERIES WALL BOX FOR AV INTERFACE, SEE DETAIL BIET-5.4.
- ⑩ SEE A/B/EI-5.3 FOR LABELING DETAILS.
- ⑪ SEE D/EI-5.3 FOR LABELING DETAILS.
- ⑫ DISTRICT PROVIDED GPS/SATELLITE CLOCK.
- ⑬ PENETRATE OUTSIDE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID, GULK PENETRATION TO MAINTAIN WALL RATINGS, SEE DETAIL A/ET-5.2 FOR TYPICAL CONNECTION TO HORIZONTAL PATHWAYS.
- ⑭ EXISTING PHONE (BOGEN HANDSET).

SPECIAL NOTE

1. CONTRACTOR TO RE-USE EXISTING SURFACE MOUNTED RACEWAY, PROVIDE NEW RACEWAY AND/OR ANY REPLACEMENTS IN THE EVENT OF DAMAGE TO MATCH EXISTING RACEWAY (HUBBELL).



CONSULTANT

REVISIONS

NOT FOR CONSTRUCTION
THIS PLAN HAS BEEN PRINTED FROM THE ISSUED SET OF DRAWINGS.
DATE: 03-01-12
BY: Sprotte Watson
CHECKED: Sprotte Watson
DATE: 03-01-12
BY: Sprotte Watson

APPROVALS

DESCRIPTION

BUILDING P
CLASSROOM 21,22
POWER/SIGNAL
PLANS

DATE

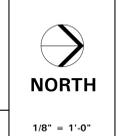
03-01-12

JOB #

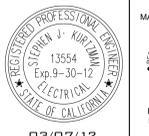
11288

SHEET #

E-8.1

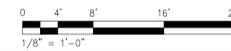
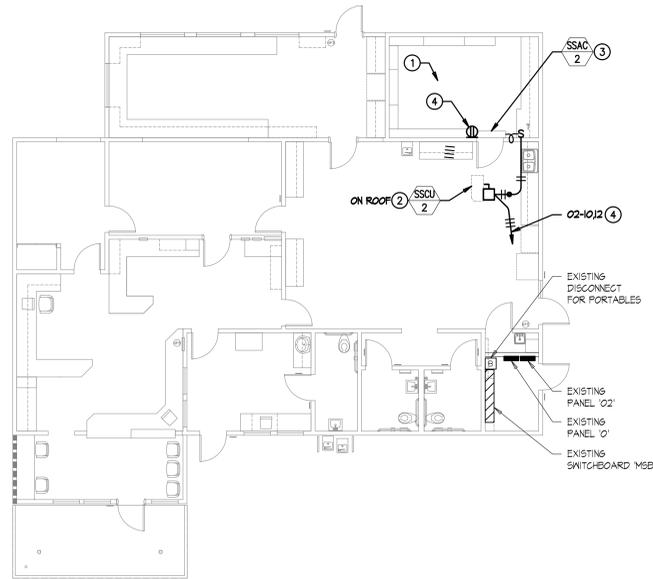


TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619 / 465 / 6224 FAX 665 / 6233
E-MAIL: ENGINEER@TRIED.COM
TREI # 11288
V.PHATHANAK 03/07/12 - 8:49AM

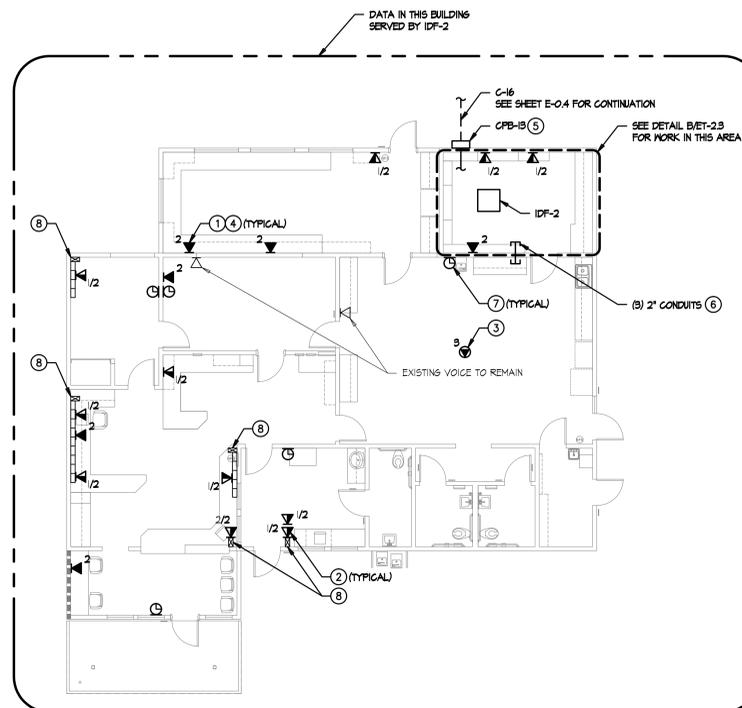


MARK FORTIE, RCD
REGISTERED COMMUNICATIONS CONSULTANT
BICSI
EXPIRES 12/31/14
Regis. No. 681432

03/07/12



BUILDING O - ADMIN - POWER PLAN



BUILDING O - ADMIN - SIGNAL PLAN

POWER PLAN KEYNOTES

- ① PROVIDE NEW POWER OUTLETS FOR IDF-2. SEE B/E-T-2.3 ADDITIONAL POWER REQUIREMENTS.
- ② PROVIDE NEMA 3R, 30A/50A/1/2\"/>

SIGNAL PLAN KEYNOTES

- ① (2) PORT CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION. SEE RISER DIAGRAM A/E-T-11 FOR DETAILS.
- ② COMBINATION VOICE/DATA OUTLET. VOICE TO REMAIN. PROVIDE (2) NEW CATEGORY 6 DATA JACKS AND CABLE TO IDF. UTILIZE EXISTING RACEWAY FOR INSTALLATION. SEE RISER DIAGRAM A/E-T-11 FOR DETAILS.
- ③ (3) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK.
- ④ SEE A/B/E-T-5.3 FOR LABELING DETAILS.
- ⑤ SEE D/E-T-5.3 FOR LABELING DETAILS.
- ⑥ PENETRATE OUTSIDE WALL INTO ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. CAULK PENETRATION TO MAINTAIN WALL RATING. SEE DETAIL A/E-T-5.2 FOR TYPICAL CONNECTION TO HORIZONTAL PATHWAYS.
- ⑦ DISTRICT PROVIDED GPS/SATELLITE CLOCK.
- ⑧ EXISTING MULTI-CHANNEL SURFACE RACEWAY INTO CEILING SPACE.

SPECIAL NOTE

1. CONTRACTOR TO RE-USE EXISTING SURFACE MOUNTED RACEWAY. PROVIDE NEW RACEWAY AND/OR ANY REPLACEMENTS IN THE EVENT OF DAMAGE TO MATCH EXISTING RACEWAY (HUBBELL).



CONSULTANT

REVISIONS

NOT FOR CONSTRUCTION
 THESE PLANS HAVE BEEN PRINTED PRIOR TO ISSUANCE OF A BUILDING PERMIT AND ARE SUBJECT TO CHANGE.
 DATE DRAWN: PRELIMINARY DRAWINGS
 DATE CHECKED: CHECKED DRAWINGS
 DATE TIMEZ: INFORMATION DRAWINGS
 Sprotte Watson
 Architecture and Planning
 400 S. Main Street, Suite 200, Vista, CA 92081

APPROVALS

DESCRIPTION

**BUILDING O
 ADMIN
 POWER/SIGNAL
 PLANS**

DATE

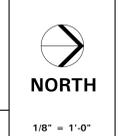
03-01-12

JOB #

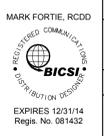
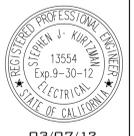
11288

SHEET #

E-91



TURPIN & RATTAN
 ENGINEERING, INC.
 CONSULTING ELECTRICAL ENGINEERS
 4719 PALM AVENUE
 LA MESA, CA 91941-5221
 619 / 465 / 6224 FAX 665 / 6233
 E-MAIL: ENGINEER@TRRID.COM
 TREI # 11288
 V.PATHANAK 03/07/12 - 8:49AM



03/07/12



CONSULTANT

REVISIONS

NOT FOR CONSTRUCTION
THIS DRAWING AND ANY PARTS THEREOF TO BE USED FOR CONSTRUCTION OF ANY BUILDING OR STRUCTURE WITHOUT THE WRITTEN CONSENT OF SPROTTE WATSON ARCHITECTURE AND PLANNING IS STRICTLY PROHIBITED.
DATE DATE PREPARED BY: SPROTTE WATSON ARCHITECTURE AND PLANNING
DATE DATE CHECKED BY: SPROTTE WATSON ARCHITECTURE AND PLANNING
DATE DATE APPROVED BY: SPROTTE WATSON ARCHITECTURE AND PLANNING
DATE DATE REVISIONS: SPROTTE WATSON ARCHITECTURE AND PLANNING

APPROVALS

DESCRIPTION

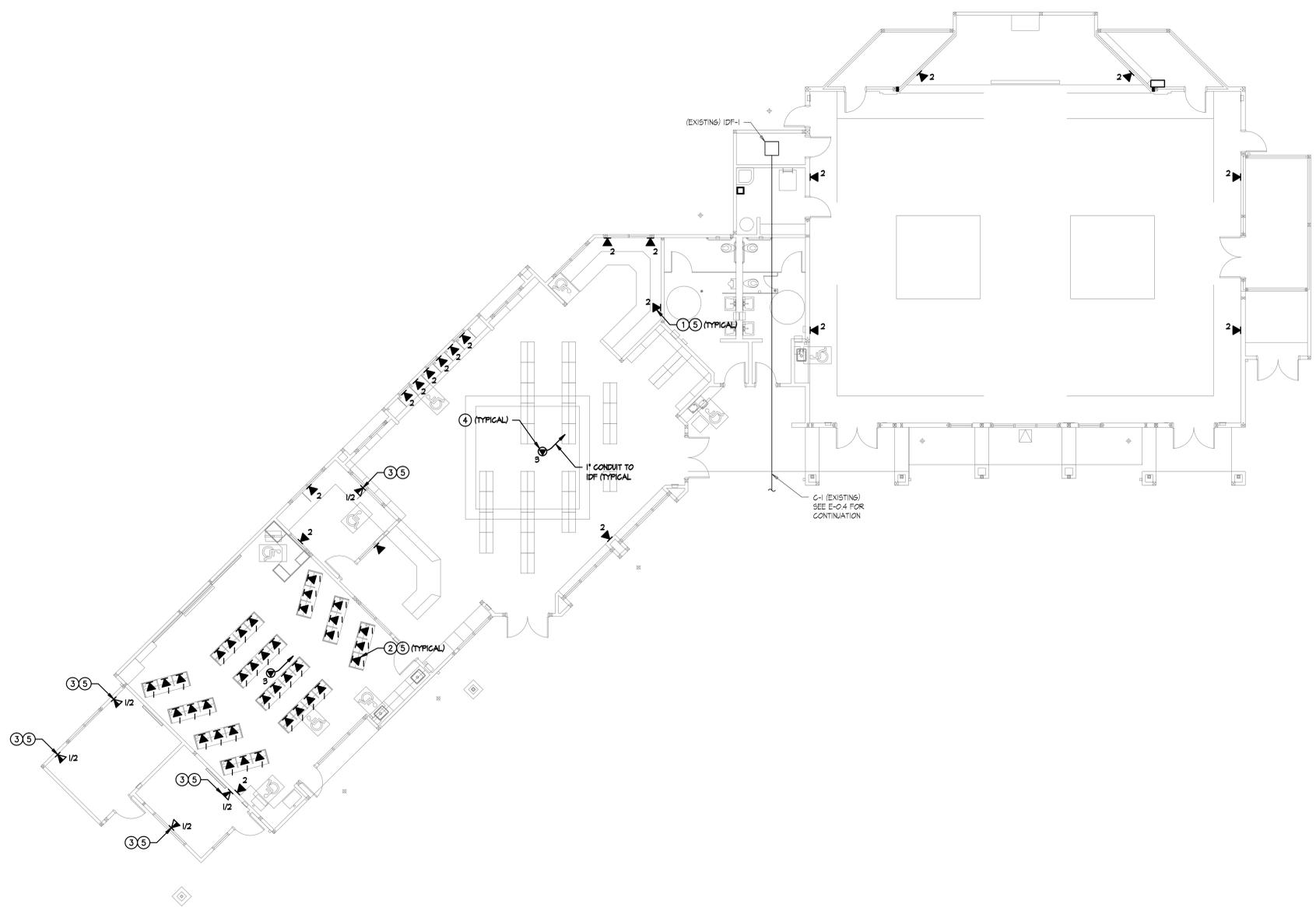
BUILDING R
MULTI-PURPOSE
SIGNAL PLAN

DATE
03-01-12

JOB #
11288

SHEET #
E-10.1

- KEYNOTES**
- (2) PORT CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEMAY FOR INSTALLATION. SEE RISER DIAGRAM A/E-T-1.4 FOR DETAILS.
 - (1) PORT CATEGORY 6 DATA OUTLET. PROVIDE NEW CATEGORY 6 DATA JACK AND CABLE TO IDF. UTILIZE EXISTING RACEMAY FOR INSTALLATION. SEE RISER DIAGRAM A/E-T-1.4 FOR DETAILS.
 - COMBINATION VOICE + DATA OUTLET. PROVIDE (2) NEW CATEGORY 6 DATA PORTS + CABLEING TO IDF. SEE A/E-T-1.4 FOR DETAILS. RE-INSTALL EXISTING VOICE PORT IN SAME FACEPLATE PORT AS REMOVED.
 - (3) PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK.
 - SEE A/B/E-T-5.3 FOR LABELING DETAILS.

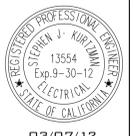


SPECIAL NOTE

- CONTRACTOR TO RE-USE EXISTING SURFACE MOUNTED RACEMAY. PROVIDE NEW RACEMAY AND/OR ANY REPLACEMENTS IN THE EVENT OF DAMAGE TO MATCH EXISTING RACEMAY (HUBBELL).



TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619 / 465 / 6224 FAX 665 / 6233
E-MAIL: ENGINEER@TRIED.COM
TREI # 11288
V.PHATHANAK 03/07/12 - 8:15AM



MARK FORTIE, RCDD
REGISTERED COMMUNICATIONS DESIGNER
BICSI
EXPIRES 10/31/14
Reg. No. 081432

03/07/12

BUILDING R - MULTI-PURPOSE - SIGNAL PLAN



SCHOOL MODERNIZATION
VISTA GRANDE SCHOOL
CAJON VALLEY UNION SCHOOL DISTRICT
1908 VISTA GRANDE ROAD
EL CAJON, CALIFORNIA 92019-3823

CONSULTANT

REVISIONS

NOT FOR CONSTRUCTION
THIS PLAN AND ALL PRINTS MADE THEREFROM ARE THE PROPERTY OF SPROTTE WATSON ARCHITECTURE AND PLANNING. NO PART OF THIS PLAN OR ANY INFORMATION CONTAINED HEREIN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF SPROTTE WATSON ARCHITECTURE AND PLANNING.
DATE: 03/07/12
DRAWN BY: J. KURTZ
CHECKED BY: M. FORTIE
DATE: 03/07/12
PROJECT: VISTA GRANDE SCHOOL MODERNIZATION
SHEET: E-111

APPROVALS

DESCRIPTION

BUILDING S
NEW RELO
POWER/SIGNAL
PLANS

DATE

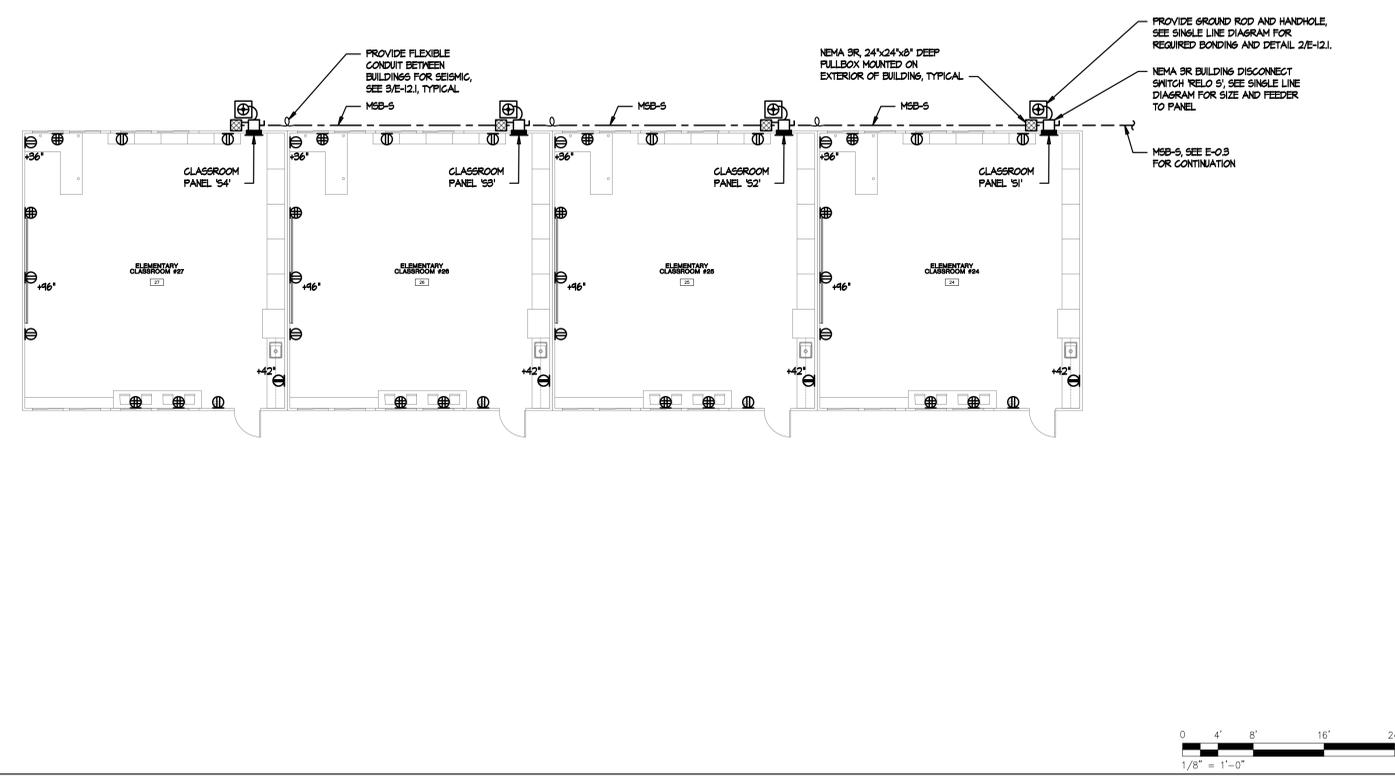
03-01-12

JOB #

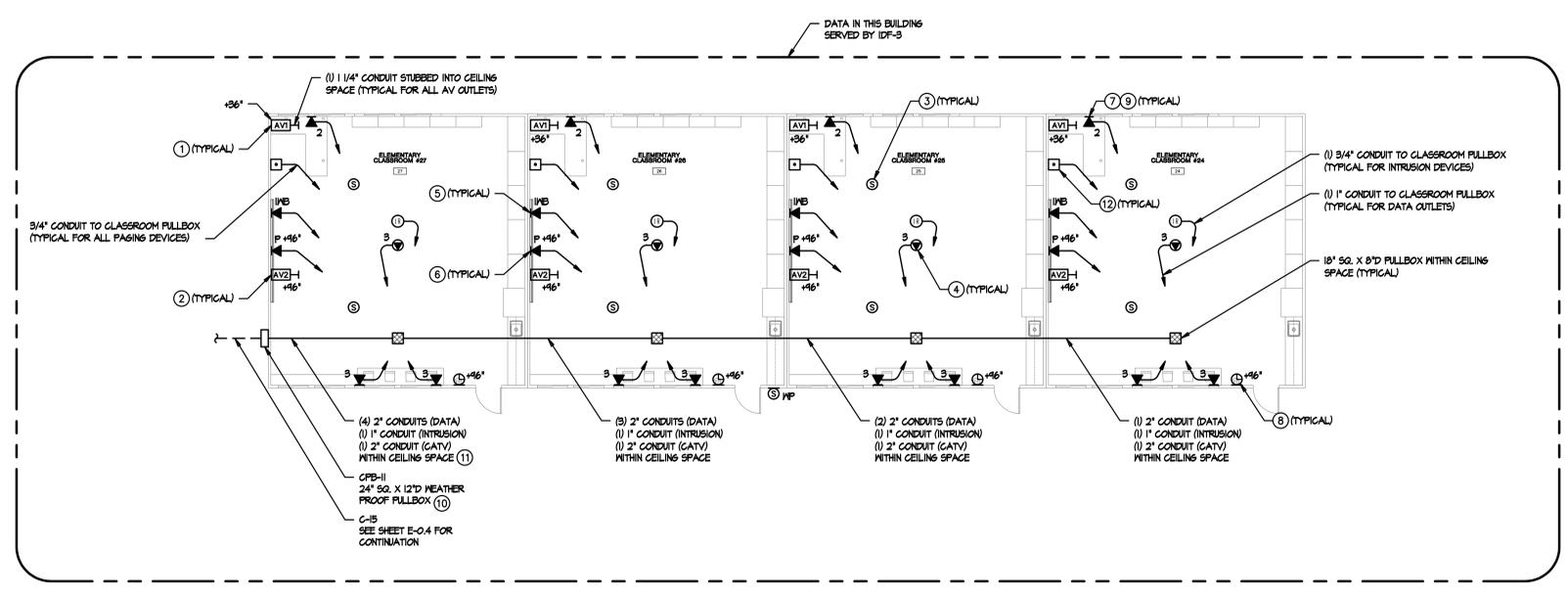
11288

SHEET #

E-111



BUILDING S - NEW RELO - POWER PLAN



BUILDING S - NEW RELO - SIGNAL PLAN

- SIGNAL PLAN KEYNOTES**
- AV1 OUTLET MOUNTED AT TEACHER'S STATION LOCATION (+42" AFF). SEE ET-5.4 FOR DETAILS.
 - AV2 OUTLET MOUNTED AT SHORT-THROW PROJECTOR LOCATION (+16" AFF). SEE ET-5.4 FOR DETAILS.
 - AUDIO/VISUAL SPEAKER FLUSH IN CEILING TILE. SEE ET-5.4 FOR DETAILS.
 - PORT CATEGORY 6 CEILING MOUNTED DATA OUTLET FLUSH IN CEILING TILE DESIGNATED FOR WIRELESS NETWORK.
 - PORT CATEGORY 6 DATA OUTLET AT +18" A.F.F. DESIGNATED FOR FUTURE INTERACTIVE WHITEBOARD.
 - PORT CATEGORY 6 DATA OUTLET AT +16" A.F.F. DESIGNATED FOR PROJECTOR MONITORING. CONTRACTOR TO COORDINATE EXACT LOCATION WITH SHORT-THROW PROJECTOR MOUNTING PLATE.
 - PORT CATEGORY 6 DATA OUTLET. USE BUILDING MANUFACTURER PROVIDED PATHWAYS FOR INSTALLATION. SEE RISER DIAGRAM AVET-1 FOR DETAILS.
 - DISTRICT PROVIDED GPS/SATELLITE CLOCK.
 - SEE AV/ET-5.3 FOR LABELING DETAILS.
 - SEE D/ET-5.3 FOR LABELING DETAILS.
 - FENESTRATE OUTSIDE HALL IN ACCESSIBLE CEILING SPACE ABOVE CEILING GRID. CALLK PENETRATION TO MAINTAIN HALL RATINGS.
 - BOSEN HANDSET ACCESS. +48" AFF.

RELOCATABLE BUILDING NOTE

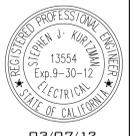
POWER DEVICES INDICATED ON INTERIOR WALLS ARE PART OF THE MANUFACTURED BUILDING COMPLETE WITH CONDUIT AND WIRING TO THE CLASSROOM PANEL.

VOICE/DATA DEVICES INDICATED ON INTERIOR WALLS ARE PART OF THE MANUFACTURED BUILDING COMPLETE WITH CONDUIT AND WIRING TO THE CLASSROOM PANEL. DEVICES AND WALL PLATES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ALL POWER, DATA AND AV DEVICES INDICATED IN CEILING SPACE WITH THE EXCEPTION OF LIGHTING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.



TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941-5221
619-465-0224 FAX 660-6233
E-MAIL: ENGINEER@TRIED.COM
TREI # 11288
V.PHATHANAK 03/07/12 - 8:58AM



MARK FORTIE, RCDD
REGISTERED COMMUNICATIONS CONSULTANT
BICSI
EXPIRES 12/31/14
Regis. No. 681432

03/07/12