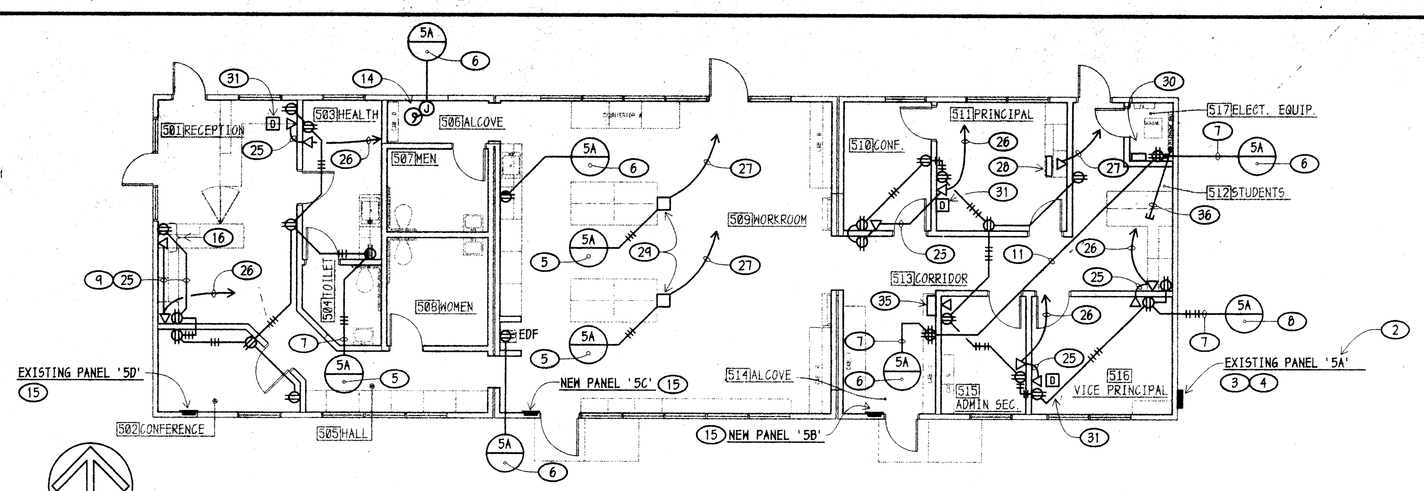


NORTH

POWER & SIGNALS PLAN - BUILDING 500

1/8"

NOTE: ALLL WORK AT THIS BUILDING IS TO BE DONE ONLY AS PART OF ALTERNATE BID #3.

120/208 VOLTS 3 ϕ 4 WIRE
125 A. BUSSING 70 A. MAIN BKR.
20 CIRCUIT
LOAD CTR

10,000 BREAKER A.I.C.
5¾" MAX. ENCL. DEPTH
FLUSH MOUNTING

TYPICAL PANEL (1)

CTR	BKR	LOAD V.A. ϕA	ϕB	ϕC	DESCRIPTION	DESCRIPTION	LOAD V.A. ϕC	ϕB	ϕA	BKR	CTR
1	20/1	1008			LIGHTS	SPARE				20/1	2
3			720		RECEPTS - EXISTING DEVICES						4
5				1000	- TV CABINET						6
7		500			- COMPUTER						8
9			500								10
11				500							12
13					SPACE	SPACE					14
15											16
17											18
19											20

TOTAL LOADS: ϕA: 1,508 V.A. ϕB: 1,220 V.A. ϕC: 1,500 V.A.

PANELS SCHEDULE NOTES:

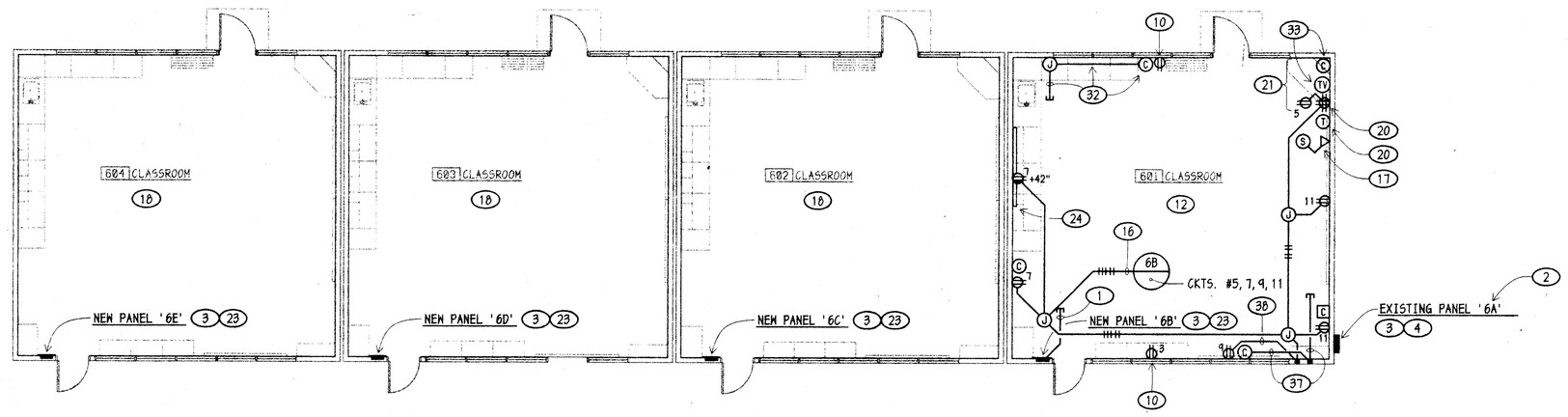
(1) THIS PANEL SCHEDULE IS TYPICAL FOR PANELS "1B","6B","6C","6D","6E","7C","7D", & "7E".

NOTES (THIS SHEET ONLY):

1. TWO 1"C INTO ACCESSIBLE ATTIC SPACE FOR FUTURE USE.
2. PROVIDE NEW ENGRAVED NAMEPLATE ON PANEL AS NOTED. REMOVE ALL EXISTING PANEL DESIGNATIONS.
3. PANEL HAS BEEN INVESTIGATED AND HAS CAPACITY FOR NEW LOAD.
4. ADD NEW BREAKERS TO EXISTING CHALLENGER PANEL AS NOTED. MATCH AIC RATING OF EXISTING BREAKERS. CONTRACTOR TO FIELD VERIFY.
5. ADD TWO NEW 20/1 BREAKERS IN PANEL 'A' MATCH AIC RATING OF EXISTING BREAKERS. CONTRACTOR TO FIELD VERIFY.
6. SAME AS NOTE (5) EXCEPT ONE NEW 20/1 BREAKER.
7. ROUTE HOMERUN CONCEALED OVERHEAD IN ACCESSIBLE ATTIC, THEN PENETRATE THRU EXTERIOR WALL, LB AND RUN DOWN WALL TO EXISTING PANEL AND CONNECT. SEAL PENETRATIONS AS REQUIRED.
8. SAME AS NOTE (5) EXCEPT THREE 20/1 BREAKERS.
9. RUN CONDUITS CONCEALED IN COUNTER. MAKE TRANSITION TO SURFACE METAL RACEWAY PRIOR TO PENETRATING COUNTER TOP AND CONNECTING TO SURFACE BOXES.
10. INSTALL NEW RECEPTACLE & COVERPLATE AT EXISTING FLUSH RECEPTACLE BOX LOCATION. CONNECT WIRING TO NEW LISTED CIRCUIT.
11. RUN TWO 2"C BETWEEN LOCATIONS CONCEALED OVERHEAD IN ACCESSIBLE ATTIC.
12. THIS IS THE TYPICAL LAYOUT FOR ALL CLASSROOMS AT BLDG'S 600 & 700, U.O.N
13. CONNECT TO A NEW 20/2 BREAKER IN LISTED PANEL.
14. CONNECT 120V, E.M.H.
15. PANEL IS TO BE REPLACE WITH A NEW 120/208V, 3ϕ, 4W, 10,000 AIC RATED 100 AMP BUSSED, LOAD CENTER. PROVIDE W/A 70 AMP MAIN. RECONNECT TO EXISTING PANEL FEEDER & BRANCH CIRUIT CONDUIT & WIRE. PROVIDE BRANCH CIRCUIT BREAKERS TO MATCH EXISTING & INCLUDING NEW WORK. PROVIDE A MIN. OF 3 SPARE 20/1 BREAKERS. CONTRACTOR TO FIELD VERIFY PRIOR TO BID.
16. RUN CONDUIT UP INSIDE CABINET, PENETRATE INTO ACCESSIBLE ATTIC, RUN CONCEALED IN ATTIC, THEN PENETRATE THRU EXTERIOR WALL & RUN DOWN WALL TO PANEL & CONNECT.
17. RUN A 3/4"C TO TEL. TERMINAL CAN IN ROOM #404. ROUTE CONCEALED WHERE POSSIBLE, WHERE NOT USE SURFACE METAL RACEWAY (WIREMOLD V700 SERIES OR EQUAL).
18. SEE CLASSROOM # 601 FOR TYPICAL WORK REQUIRED FOR THIS CLASSROOM, U.O.N.
19. NO WORK REQUIRED.
20. SEE MECH. PLANS FOR REQUIRED WORK FOR T-STAB & BYPASS TIMERS.
21. INSTALL A QUAD RECEPTACLE, COMPUTER OUTLET AND T.V. OUTLET IN CORNER 6" ABOVE TOP OF NEW CABINET. INSTALL A NEW DUPLEX RECEPTACLE INSIDE CABINET. COORDINATE EXACT LOCATION WITH ARCHITECT. RUN A 3/4"C FROM COMPUTER AND T.V. OUTLETS TO ACCESSIBLE ATTIC FOR FUTURE USE CABLING & DEVICES BY OWNER'S VENDOR.
22. INSTALL NEW HAND DRYERS ON WALL AT +42". CUT & PATCH WALL AS REQUIRED TO CONEAL CONDUIT & J-BOX.
23. CUT & PATCH WALL AROUND EXISTING PANEL AS REQUIRED TO REMOVE PANEL & INSTALL NEW FLUSH MOUNTED PANEL PER DETAIL #5/E1.1. CONNECT NEW PANEL TO EXISTING PANEL FEEDER & BRANCH CIRCUITS.
24. DISCONNECT EXISTING PLUGSTRIP & RETURN TO OWNER.
25. 1"C - ONE "A" CABLE
26. 1 1/2"C - TWO "A" CABLES TO TEL. BKBD. ROUTE CONCEALED OVERHEAD.
27. 1"C - ONE "A" CABLE TO TEL. BKBD. ROUTE CONCEALED OVERHEAD.
28. RE-INSTALL ADMINISTRATIVE PHONE AT COUNTER. VERIFY EXACT LOCATION WITH OWNER/ARCHITECT.
29. PROVIDE NEW TELE/POWER POLE WITH TWO TEL/DATA OUTLETS & TWO DUPLEX RECEPTACLES EACH ON A SEPARATE CIRCUIT.
30. INSTALL OWNER PROVIDED NEW TEL. SWITCH AND CONNECT TO EXISTING DUKANE SYSTEM. COORDINATE REQUIREMENTS WITH DUKANE REPRESENTATIVE. PROVIDE MATERIALS AS REQUIRED.
31. NEW DISPLAY PHONE PER SPEC'S.
32. RUN NEW SURFACE METAL RACEWAY (WIREMOLD V2100 SERIES OR EQUAL). WITH HORIZONTAL ON WALL ABOVE COUNTER & BELOW WINDOW. VERIFY EXACT HEIGHT ARCHITECT & OWNER PRIOR TO ROUGH-IN. INSTALL NEW SURFACE RACEWAY BOX ON ADJACENT TO THE EXISTING RECEPTACLE TURN RACEWAY DOWN WALL AS REQUIRED. AT FEED POINT TO RACEWAY, INSTALL A J-BOX FLUSH IN WALL BEHIND RACEWAY. RUN A 1"C CONCEALED IN WALL & STUB INTO ATTIC. CABLING & DEVICE BY OWNER'S VENDOR.
33. ALL COMPUTER AND C.A.T.V. OUTLETS ARE TO HAVE A 3/4"C STUB INTO ACCESSIBLE ATTIC FOR FUTURE USE. TYPICAL, U.O.N.
34. 3/4"C - 2 #12 + 1 #12 GND (CU-THHN).
35. INSTALL EXISTING BURGLAR ALARM MASTER ON WALL. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. PICK-UP EXISTING B.A. CIRCUITS AND EXTEND. COORDINATE WORK WITH OWNER'S B.A. VENDOR.
36. 2"C STUB INTO ACCESSIBLE ATTIC SPACE ABOVE CEILING.
37. RUN 3/4" CONDUIT HORIZONTAL FLUSH IN WALL (3/4" FLEX OF) THEN UP INSIDE WALL (RIDGED) INTO ACCESSIBLE ATTIC SPACE FOR FUTURE USE. CUT & PATCH WALL AS REQUIRED.
38. CUT & PATCH WALL AS REQ'D TO INSTALL CONDUIT CONCEALED IN WALL HORIZONTAL TO THE NEAREST FULL HEIGHT WALL THEN UP WALL INTO ATTIC AS SHOWN.

NOTE:

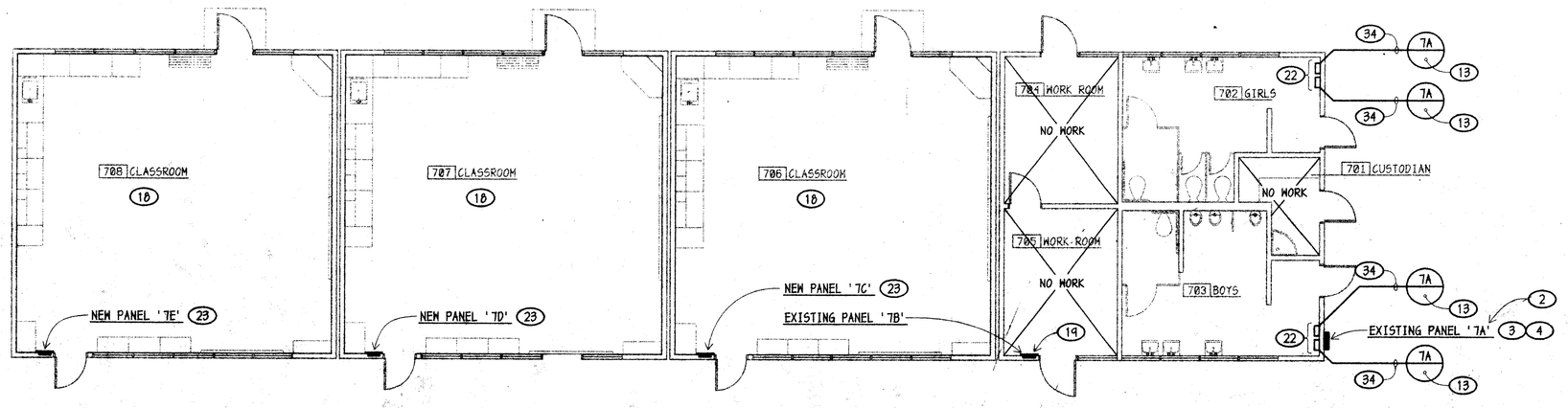
ALL NEW DEVICES, CONDUIT. BOXES ETC. ARE TO BE FLUSH MOUNTED & CONCEALED IN WALL & ATTIC AS REQ'D. CUT & PATCH WALL CEILINGS ETC AS REQUIRED.



NORTH

POWER & SIGNALS PLAN - BUILDING 600

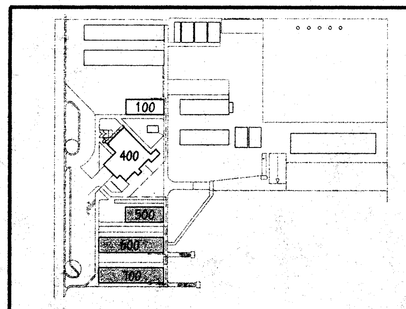
1/8"



NORTH

POWER & SIGNALS PLAN - BUILDING 700

1/8"



KEY PLAN

NO SCALE

CORNELIUS CONSULTING GROUP, INC.
Consulting Electrical Engineers
918 W. Main St.- Ph.733-2671
Visalia, California 93291

REGISTERED PROFESSIONAL ENGINEER
GERALD A. CORNELIUS
No. 7198
Exp. 9/30/02
ELECTRICAL
STATE OF CALIFORNIA

ORDIZ MELBY ARCHITECTS

5620 DISTRICT BLVD. #105
BAKERSFIELD, CA 93313
TEL. (805)-832-5258
FAX. (805)-832-4291

LICENSED ARCHITECT
DANNY ENRIQUE ORDIZ
No. C-14728
5-31-2001
RENEWAL DATE
STATE OF CALIFORNIA

DANNY E. ORDIZ A.I.A.
ARCHITECT C-14,728

WILLIAM J. MELBY A.I.A.
ARCHITECT C-16,835

IDENTIFICATION STAMP
DIV. OF STATE ARCHITECT
OFFICE OF REGULATIONS SERVICES
APPL. NO. 101484
FILE. NO.
A.C. F.L.S. S.S.
DATE

APPROVED
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
AC MR F/LS — SS MC
APPL. NO. 03 101484 DATE 6/1/01

AS BUILT DRAWINGS

MODERNIZATION OF COLLEGE HEIGHTS ELEM. SCHOOL FOR:

BAKERSFIELD CITY SCHOOL DISTRICT

2551 SUNNY LN.
BAKERSFIELD,
CALIFORNIA
93305

ADDENDUM #1
DRAWING #E7.0

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT

MARK	DATE	REVISION
1	01/01/2001	ADDENDUM #1

BUILDINGS 500, 600, AND 700 - POWER AND SIGNALS PLANS

JOB NUMBER 97140
DATE 01-06-99
DRAWN BY RTS
SHEET E 7.0

J:\BS\SCHOOLS\BFIELD\BC59\CLGEHTS\E7-0.DD REVISED: 02-22-01 NAME: ENS JOB #9864