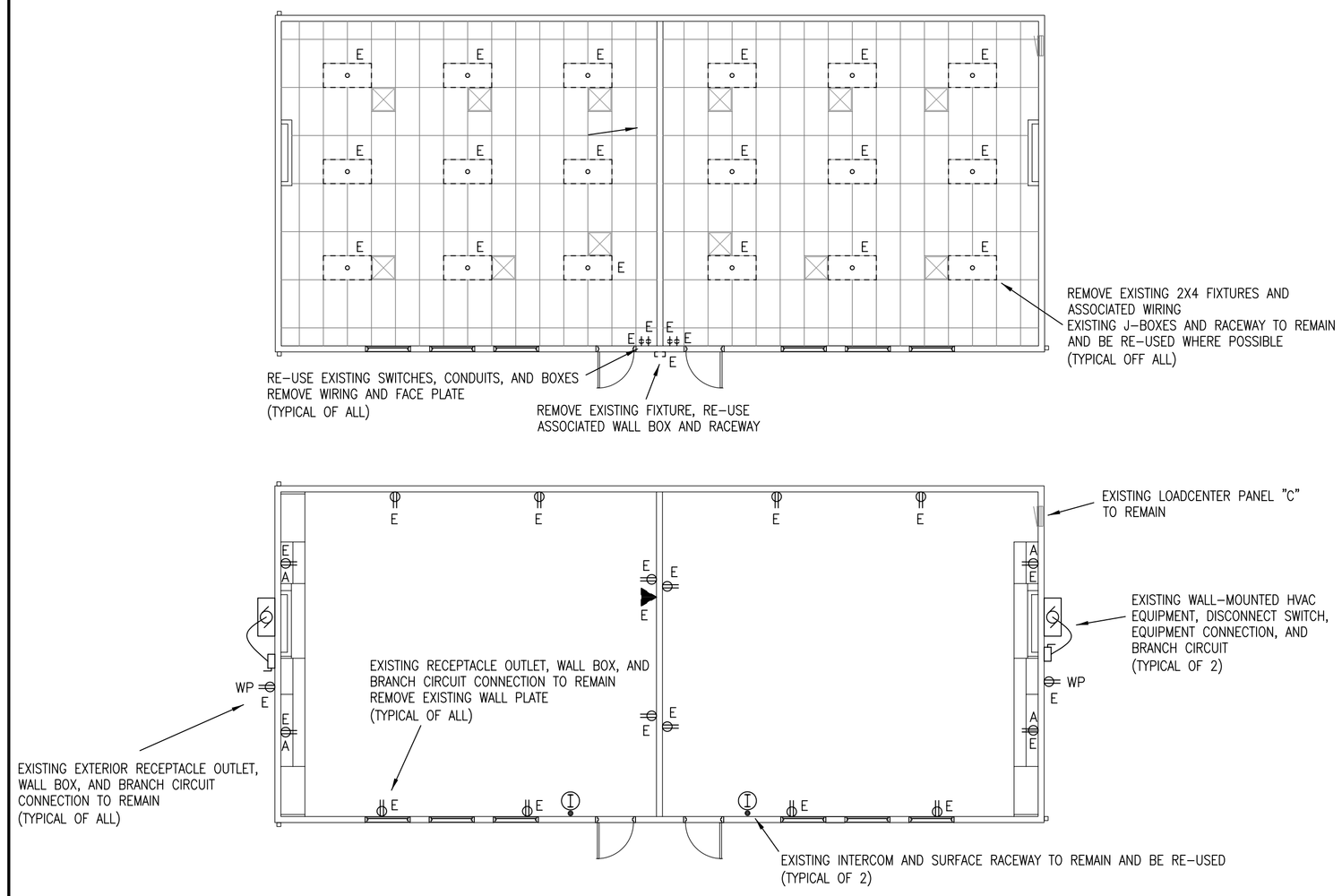
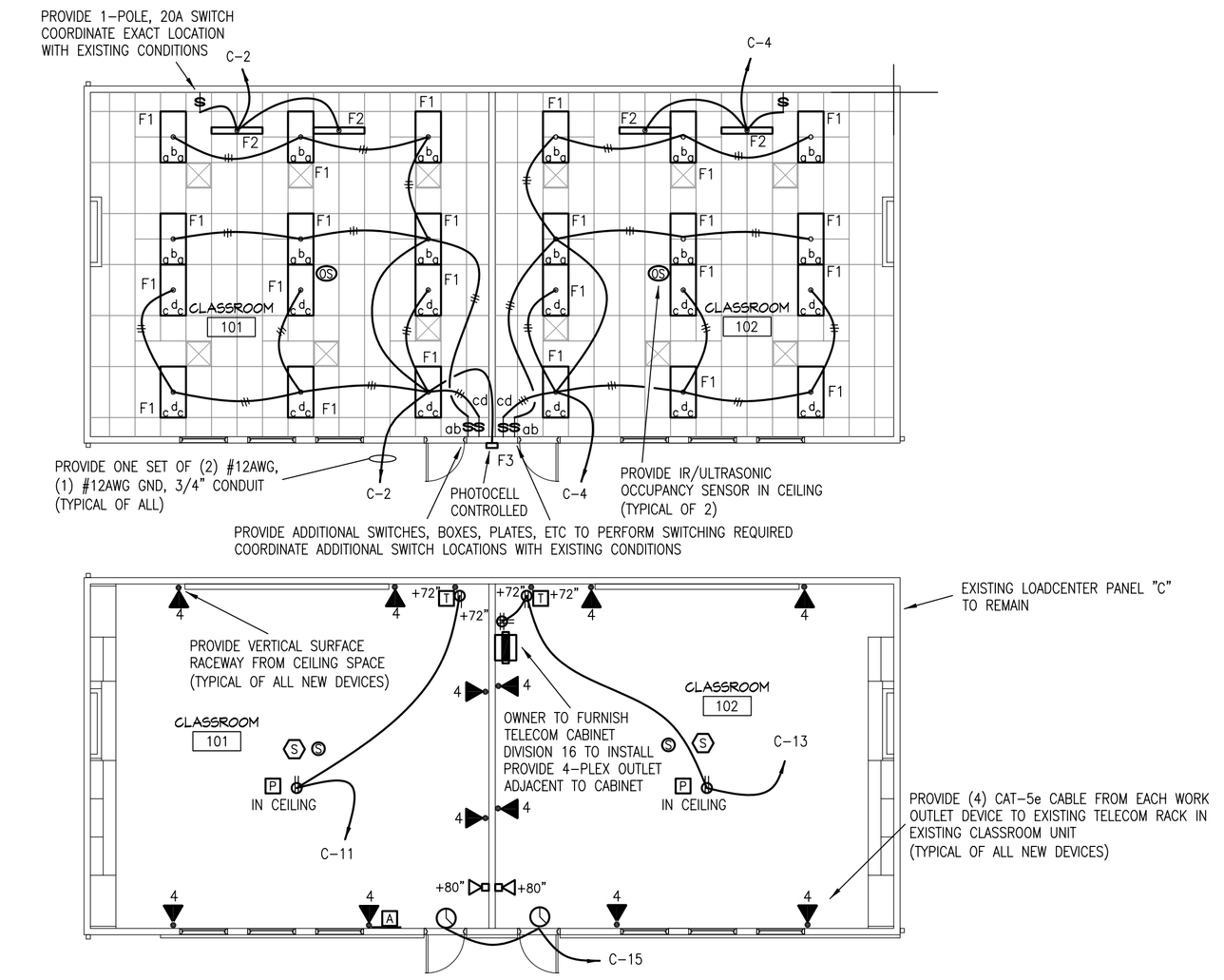


DEMOLITION POWER, SYSTEMS, LIGHTING PLAN

SCALE: 1/8" = 1'-0"



POWER, SYSTEMS, LIGHTING PLAN

SCALE: 1/8" = 1'-0"

PANELBOARD SCHEDULE

MAIN BREAKER: 2P-200A — PANEL: C (EXISTING) — TOTAL CALCULATED LOAD 44.30 KVA
MOUNTING: FLUSH — 120/240V,1P,3W
BRACING: 10kAIC — 200A

CIRCUIT NO.	DESCRIPTION	OCP	TYPE	LOAD (VA)	LOAD (A)	PH	LOAD (A)	LOAD (VA)	TYPE	OCP	CIRCUIT DESCRIPTION	CIRCUIT NO.
1	HVAC UNIT	2P-90A	L	8520	71.0	A	9.3	1112	C	1P-20A	LTS - CLASSROOM, EXTERIOR	2
3	"		L	8520	71.0	B	8.9	1062	C	1P-20A	LTS - CLASSROOM	4
5	HVAC UNIT	2P-90A	N	8520	71.0	A	6.0	720	R	1P-20A	REC - CLASSROOM	6
7	"		N	8520	71.0	B	6.0	720	R	1P-20A	REC - CLASSROOM	8
9	REC - EXTERIOR	1P-20A	R	360	3.0	A	6.0	720	R	1P-20A	REC - CLASSROOM	10
11	SPACE					B	6.0	720	R	1P-20A	REC - CLASSROOM	12
13	SPACE					A					SPACE	14
15	SPACE					B					SPACE	16
17	SPACE					A					SPACE	18
19	SPACE					B					SPACE	20

LOAD:	CONNECTED	CALCULATED
(C)ontinuous:	2174 x 1.25 =	2718 VA
(R)ec (1st 10 kva):	3240 x 1.00 =	3240 VA
(R)ec (remainder):	x 0.50 =	VA
(N)on-continuous:	17040 x 1.00 =	17040 VA
(H)eating:	x 1.00 =	VA
(A)ir conditioning:	x 1.00 =	VA
(L)argest motor:	17040 x 1.25 =	21300 VA
TOTAL LOAD:	39494	44298 VA
		185 AMPS

NOTE: HEATING AND COOLING LOADS ARE NON-SIMULTANEOUS

EXISTING LOAD REMOVED
RE-USE BREAKERS

PANELBOARD SCHEDULE

MAIN BREAKER: 2P-200A — PANEL: C (REVISED) — TOTAL CALCULATED LOAD 46.33 KVA
MOUNTING: FLUSH — 120/240V,1P,3W
BRACING: 10kAIC — 200A

CIRCUIT NO.	DESCRIPTION	OCP	TYPE	LOAD (VA)	LOAD (A)	PH	LOAD (A)	LOAD (VA)	TYPE	OCP	CIRCUIT DESCRIPTION	CIRCUIT NO.
1	HVAC UNIT	2P-90A	L	8520	71.0	A	10.7	1278	C	1P-20A	LTS - CLASSROOM, EXTERIOR	2
3	"		L	8520	71.0	B	10.3	1230	C	1P-20A	LTS - CLASSROOM	4
5	HVAC UNIT	2P-90A	N	8520	71.0	A	6.0	720	R	1P-20A	REC - CLASSROOM	6
7	"		N	8520	71.0	B	6.0	720	R	1P-20A	REC - CLASSROOM	8
9	REC - EXTERIOR	1P-20A	R	360	3.0	A	6.0	720	R	1P-20A	REC - CLASSROOM	10
11	REC - OH PROJ., TV ROOM 101	1P-20A	R	500	4.2	B	6.0	720	R	1P-20A	REC - CLASSROOM	12
13	REC - OH PROJ., TV ROOM 102	1P-20A	R	860	7.2	A					SPACE	14
15	CLOCKS	1P-20A	C	200	1.7	B					SPACE	16
17	SPACE					A					SPACE	18
19	SPACE					B					SPACE	20

NEW LOADS

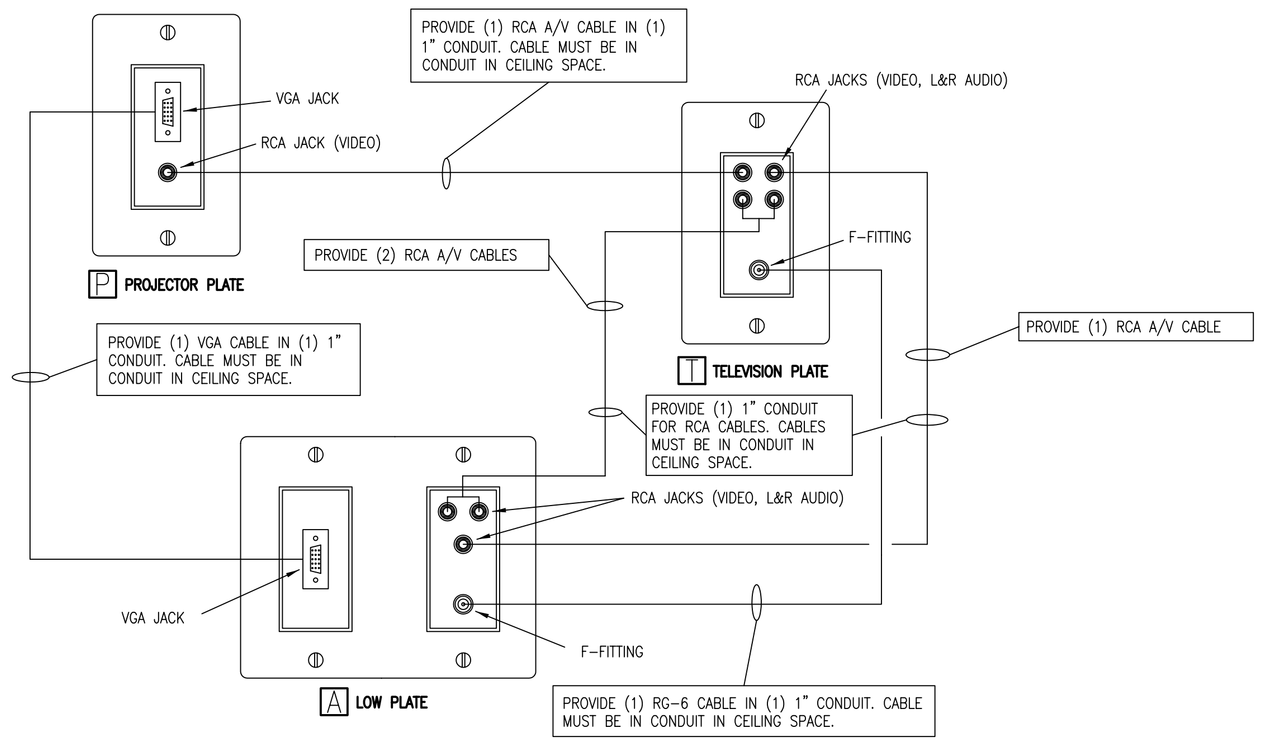
LOAD:	CONNECTED	CALCULATED
(C)ontinuous:	2708 x 1.25 =	3385 VA
(R)ec (1st 10 kva):	4600 x 1.00 =	4600 VA
(R)ec (remainder):	x 0.50 =	VA
(N)on-continuous:	17040 x 1.00 =	17040 VA
(H)eating:	x 1.00 =	VA
(A)ir conditioning:	x 1.00 =	VA
(L)argest motor:	17040 x 1.25 =	21300 VA
TOTAL LOAD:	41388	46325 VA
		193 AMPS

NOTE: HEATING AND COOLING LOADS ARE NON-SIMULTANEOUS

NEW LOAD

PANEL SCHEDULES

NO SCALE



PROJECTOR AND TV RISER DETAIL

SCALE: 1/8" = 1'-0"

NOTES

1. SEE ARCHITECTURAL SPECIFICATIONS FOR CONSTRUCTION PHASING OF THE WORK.
2. EQUIPMENT AND MATERIAL REMOVED SHALL BECOME PROPERTY OF CENTRAL VALLEY SCHOOL DISTRICT UNLESS NOTED OTHERWISE.
3. DRAWINGS ARE PARTLY DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EXACT LOCATIONS OF ALL SWITCHES, CONDUITS, FIXTURES, PANELS, AND DEVICES. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND START OF WORK. ALL DEVIATIONS FROM CONTRACT DOCUMENTS SHALL BE INDICATED ON AN AS-BUILT DRAWING SET.
4. IF WALLS, FLOORS, CEILINGS OR ROOFS ARE TO BE REMOVED DURING DEMOLITION, COMPLETELY REMOVE EXISTING ELECTRICAL DEVICES, EQUIPMENT, AND UTILITIES TO NEAREST JUNCTION BOX TO REMAIN IN SERVICE. CONDUITS UNABLE TO BE REMOVED SHALL BE CUTOFF AND CAPPED. ALL CONDUIT SHALL BE CONCEALED. ALL SYSTEMS SHALL BE KEPT OPERABLE IN AREAS NOT CONTAINING WORK.
5. EXAMINE PREMISES AND BECOME FAMILIAR WITH EXISTING CONDITIONS AND INSTALLATION.
6. PROVIDE ALL DEMOLITION WORK CALLED FOR OR REQUIRED BY THE INSTALLATION. REMOVE ALL EXISTING EQUIPMENT AND MATERIALS NOT REUSED UNLESS SPECIFIED OTHERWISE BY THE OWNER'S REPRESENTATIVE.
7. ALL RATED FIRE WALL OR CEILING PENETRATIONS SHALL BE SEALED WITH APPROVED FIRE STOPPING MATERIAL AS REQUIRED BY CODE AND AHJ. CONTRACTOR SHALL LABEL ALL FIRE STOPS.
8. VERIFY EXISTING BRANCH CIRCUITS CONNECTIONS BEFORE STARTING WORK.
9. REPLACE ALL EXISTING RECEPTACLE WALL PLATES WITH STAINLESS STEEL.

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EXPIRES: 10/30/2005

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PORTABLE CLASSROOM FOUNDATIONS
CENTRAL VALLEY SCHOOL DISTRICT # 356
SPOKANE VALLEY, WASHINGTON

GREENACRES- POWER, SYSTEMS, LIGHTING, PANEL SCHED.

PROJECT NO.	0520.02
DESIGNED BY	BHP
DRAWN BY	BHP
DATE	06-03-05
SHEET NO.	E8