

**CORPS OF ENGINEERS, ALBUQUERQUE DISTRICT
REQUIREMENTS FOR CHANGING DRAWINGS
BECAUSE OF AMENDMENTS AND MODIFICATIONS**

1. DEFINITIONS.

- a. **Amendment.** An amendment is a change in the solicitation documents made after advertising but before bid opening. In the case of 8(a) contracting, an amendment is defined as a change made after the 8(a) contractor receives the solicitation documents but before completion of negotiations.
- b. **Modification.** A modification is a change in the contract documents made after bid opening; or, in the case of 8(a) contracting, after completion of negotiations.
- c. **Descriptive Change.** A descriptive change is a change to the drawings done by words in an amendment or modification.

2. **CHANGING DRAWINGS.** *BEFORE ANY DRAWING IS CHANGED, A DUPLICATE ELECTRONIC FILE COPY SHALL BE MADE.* This duplicate file copy for modifications will have its own electronic file extension such as: MD1, MD2, MD3, etc. or AM1, AM2, AM3, etc. for amendments. This requirement is applicable for each subsequent change to an individual drawing, and **the index sheet.** On the original electronic file copy, at the lower right-hand corner below the title block, keystroke the following: SUPERSEDED BY (new file number, (for civil)), or (new sequence number, (for military)). If a drawing is completely redrawn on a new sheet, the original drawing can be marked: SUPERSEDED BY (new file or sequence number).

3. **DETAILS OF DRAWING CHANGES.** Attached are six sketches with examples of the drafting procedures to be used in changing drawings because of amendments or modifications. Attachment 1 shows the details for a first amendment or modification and details for a second and subsequent amendments or modifications. Attachment 2 shows examples of “pointed” drawings. On **military** drawings the **sequence number** is pointed. On **civil** drawings the **file number** is pointed; **Plate numbers are NOT “pointed”**. Additional comments and clarifications for changing a drawing are as follows:

- a. The revision block shall contain the date of revision, amendment or modification log number, revision number (inside the triangle ) , number of changes encircled on the drawing (outside the triangle ) , and a brief description of the changes on the drawing.

Successive revisions shall be shown progressing upward in the revision block. See Attachment 6. *The descriptive change will be performed as above, except a small "d" will be added to the right of the triangle, (for example \triangle^2_d).* See Attachment 4.

- b. When drawings are being revised to incorporate descriptive changes for a previous amendment or modification put the small "d" at the right of the effected triangles. Be sure to update the Revisions Block by stating "Descriptive Changes Only" along with the appropriate ML or AM number. The Index Sheet will have to be changed as stated in paragraph 4.
 - c. Bubble (cloud) each area of change on the drawing that denotes the current amendment or modification with a heavy, dashed line. The dashed line **shall encircle all areas changed, including areas with deleted data.** CAUTION: Do not obscure drawing details with the heavy dashed line. However, do not make the dashed line the same weight as the other lines on the drawing, as the cloud will blend in with the other lines. See Attachment 3.
 - d. If there has been a previous revision to the drawing, **remove the bubble dashed line** for that revision, but **do not remove the triangles** for the previous revision. See Attachment 4.
 - e. Place a triangle near or inside each clouded area on the drawing. Number the clouded areas for the current amendment or modification in a sequential order. Place the number for the clouded area at the upper right exterior side of the triangle (for example: \triangle^3). The number placed outside the triangle in the revision block shall be the total number of areas clouded on that drawing for the current amendment or modification. Also, place a triangle (with the current change number inside the \triangle and the clouded area sequential number outside the \triangle^3) directly below **and** directly to the right of the drawing along the border, in line with each change, as an aid to locating changes. However, do not place triangles adjacent to the title block unless there is a change in the title block.
 - e. The "point" number (indicated in bold) of the revised sequence (SEQ 34.1, **.2**, **.3**, etc.)/file number (RG-TC-A-14.1, **.2**, **.3**, etc.) on the drawing and the revision number inside the triangles in the revision block and on the changed areas of the drawing shall agree.
 - f. When drawings are changed for any amendment or modification, all previous descriptive changes to the drawing will be included on that drawing.
4. **INDEX SHEET.** The index sheet must be changed for *each* amendment and modification that has changed the other drawings. Fill in the revision block and "point" the sequence number or the file number in the same manner as on other drawings, (for example: 0.1, 0.2, 0.3, etc.). On the drawing listing, make sure to revise the "point" number of each sequence/file number that has

changed, and this will ALWAYS require the index pointing in the listing to be updated also. See Attachment 5. Do **not** place a triangle beside changes in the “point numbers” nor surround these changes with a heavy dashed line on the drawing listing. Instead, **bold** the *entire* “pointed up” new listing. When the index is to be superseded, un-bold the bolded text and pointed numbers. Only the changes for the most recent amendment or modification should be bolded on the index sheet.

5. **ADDED DRAWINGS.** An added drawing shall be indicated as “NEW DRAWING” in the revision block **on that drawing**. The added drawing(s) shall be shown on the index sheet by inserting the sequence/file number, drawing number, and title in the proper location and identified in **bold**, or the new drawing(s) can be added at the end of the listing and the **entire new addition identified in bold**. In order to avoid renumbering other drawings, an added drawing may be numbered as “SEQUENCE 2A”, “SEQUENCE 2B”, etc.
6. **DELETED DRAWINGS.** A deleted drawing shall be indicated as “DELETED FROM CONTRACT” in the revision block and in the border area left of the drawing number **on that drawing**. On the **Index Sheet**, delete the title(s) of the deleted drawing(s) in the listing and replace with “**DELETED BY AM XXXX, or ML XXXX**” in all **CAPS** and **bolded**.
7. **COORDINATION OF DRAWINGS.** When an amendment or modification encompasses several different disciplines, the **work leaders must coordinate** the different drawing sections with the index. The pointed up sequence (file numbers) on the index listing must match up with the pointed up drawings on the amendment or modification. Each work leader will obtain, through the Cost Engineering Branch, the drawings that will be superseded by the new amendment or modification. After the design process is completed, *the changed printed electronic drawings, along with the existing contract drawings that are superseded* by the changes, will be sent to the Cost Engineering Branch for review. These original (hard copy) contract drawings must be marked “Superseded By (file or sequence number) before returning to Cost Engineering Branch.



MOD LOG OR AMEND. NUMBER

DATE OF CHANGE

DESCRIPTION OF CHANGE

THIS IS THE SECOND TIME THIS SHEET IS BEING CHANGED. THERE ARE 3 CHANGES ON THIS DRAWING.

Mod Log or Amend. No.	Date	Description	Work
6/13/03 MIL9998	9/9/02 AM0001	DESCRIPTIVE CHANGE INCORPORATED LIMITS OF STRUCT. SLAB & NOTE TO LEGEND ADDED	Δ

File Name: _____

Plot Date: AUGUST 2005

SOL/CONTRACT NO. _____

PROJECT NO. _____

~~Zero Accidents~~
~~Zero Tolerance~~



MOD LOG OR AMEND. NUMBER

DATE OF CHANGE

DESCRIPTION OF CHANGE

THIS IS THE FIRST TIME THIS SHEET IS BEING CHANGED. THERE ARE TWO CHANGES ON THIS DRAWING

Mod Log or Amend. No.	Date	Description	Work
9/9/02 AM0001		LIMITS OF STRUCT. SLAB & NOTE TO LEGEND ADDED	Δ

File Name: _____

Plot Date: AUGUST 2005

SOL/CONTRACT NO. _____

PROJECT NO. _____

~~Zero Accidents~~
~~Zero Tolerance~~

INDEX OF DRAWINGS

NOTE: ITEMS IN BLUE WOULD NORMALLY APPEAR IN THE COLOR CYAN, LINE WEIGHT 3.
 ITEMS BOLDED ARE THE SHEETS BEING CHANGED FOR THIS AMENDMENT/MOD.

SEQ.	SHEET	TITLE
1	0	COVER SHEET
2.7	0	INDEX OF DRAWINGS, ABBREVIATIONS AND SYMBOLS
CIVIL		
3	C1	PROJECT LOCATION AND VICINITY MAPS
4	C2	DEMOLITION PLAN
5	C3	SITE PLAN
6	C4	GRADING PLAN
7	C5	SITE DETAILS
8	C6	SPOT ELEVATION PLAN
9.1	C7	UTILITY PLAN
10	C8	UTILITY DETAILS I
11	C9	UTILITY DETAILS II
12.1	C10	UTILITY DETAILS III
13.1	C11	UTILITY PROFILES
13A	C11A	PAVEMENT PLAN
14	C12	JOINT LAYOUT PLAN
15	C13	POV PAVEMENT DETAILS
16	C14	AIRFIELD PAVEMENT DETAILS
17	F-1	SUBSURFACE INVESTIGATION PLAN
18	F-2	BORING LOGS
ARCHITECTURAL		
19.1	A1	COMPOSITE FIRST FLOOR PLAN
20	A2	COMPOSITE SECOND FLOOR PLAN
21.3	A3	PARTIAL PLAN AREA "A"
22	A4	PARTIAL PLAN AREA "B"
23.1	A5	PARTIAL PLAN AREA "C"
24.1	A6	PARTIAL PLAN AREA "D"
25.1	A7	PARTIAL PLAN AREA "E"
26	A8	PARTIAL PLAN AREA "F"
27	A9	PARTIAL PLAN AREA "G"
28.3	A10	BUILDING ELEVATIONS
29	A11	ROOF PLAN AND DETAILS
30	A12	BUILDING SECTIONS
31.1	A13	MISCELLANEOUS DETAILS
32	A14	WALL SECTIONS
33	A15	WALL SECTIONS
34	A16	WALL SECTIONS
35.1	A16A	PARTIAL SECTION
36	A16B	WALL SECTIONS AND DETAILS
37	A16C	WALL SECTIONS
37A.1	A16D	PARTIAL SECTION
38	A17	INTERIOR WALL TYPES
39	A18	ROOM FINISH SCHEDULE
40.1	A19	DOOR SCHEDULE AND DOOR & WINDOW TYPES
41.1	A20	DOOR AND WINDOW DETAILS
42	A21	ENLARGED STAIR PLAN
42A	A21A	STAIR SECTIONS AND DETAILS
43	A22	ENLARGED PLAN
44	A23	ENLARGED PLAN
45	A24	INTERIOR ELEVATIONS
46	A25	HANGAR DOOR DETAILS
47.1	A26	MISCELLANEOUS DETAILS
48	A27	REFLECTED CEILING PLANS
49	A28	SIGN PLANS
50	A29	FIRE PROTECTION PLANS
STRUCTURAL		
51.1	S1	GENERAL NOTES
52	S2	MISCELLANEOUS FOUNDATION DETAILS
53	S3	STRUCTURAL NOTES AND MISCELLANEOUS DETAILS
54.2	S4	MASONRY NOTES AND MISCELLANEOUS DETAILS
55	S5	THIS SHEET NOT USED
56.3	S6	PARTIAL FOUNDATION PLAN AREA "A"
57	S7	PARTIAL FOUNDATION PLAN AREA "B"
58	S8	PARTIAL FOUNDATION PLAN AREA "C"
59	S9	PARTIAL FOUNDATION PLAN AREA "D"
60	S10	THIS SHEET NOT USED
61	S11	PARTIAL SECOND FLOOR FRAMING PLAN - AREA "E"
62	S12	PARTIAL SECOND FLOOR FRAMING PLAN - AREA "F"
63.1	S13	PARTIAL SECOND FLOOR FRAMING PLAN - AREA "G"
64	S14	THIS SHEET NOT USED
65	S15	PARTIAL ROOF FRAMING PLAN AREA "A" AND "E"
66	S16	PARTIAL ROOF FRAMING PLAN AREA "B"
67	S17	PARTIAL ROOF FRAMING PLAN AREAS "C" AND "F"
68.1	S18	PARTIAL ROOF FRAMING PLAN AREAS "D" AND "G"
69	S19	FOUNDATION SECTIONS
70.2	S20	FOUNDATION SECTIONS
71	S21	FOUNDATION SECTIONS
72	S22	FOUNDATION SECTIONS
73.1	S23	SECOND FLOOR FRAMING SECTIONS
74	S24	SECOND FLOOR FRAMING SECTIONS
74A.1	S24A	SECOND FLOOR FRAMING SECTIONS
75	S25	ROOF FRAMING SECTIONS
76	S26	ROOF FRAMING SECTIONS
77.1	S27	FRAMING SECTIONS AND DETAILS
78	S28	ROOF FRAMING SECTIONS
79	S29	SHEET DELETED BY ML9443
80	S30	FRAMING SECTIONS AND DETAILS

SEQ.	SHEET	TITLE
MECHANICAL		
81	M1	HVAC LEGENDS AND INDEX
82.2	M2	HVAC EQUIPMENT SCHEDULES
83	M3	HVAC EQUIPMENT SCHEDULES
84	M4	HVAC FLOOR PLAN AREA "A"
85	M5	HVAC FLOOR PLAN AREA "B"
86	M6	HVAC FLOOR PLAN AREA "C"
87.1	M7	HVAC FLOOR PLAN AREA "D"
88	M8	HVAC FLOOR PLAN AREA "E"
89	M9	HVAC FLOOR PLAN AREA "F"
90	M10	HVAC FLOOR PLAN AREA "G"
91.2	M11	ENLARGED MECHANICAL ROOM PLAN
92.2	M12	HVAC DETAILS
93	M13	HVAC DETAILS
94	M14	HYDRONIC SYSTEM CONTROLS
95	M15	FAN COIL UNIT CONTROL SYSTEM
96	M16	HEATING AND VENTILATING UNIT CONTROL SYSTEM
97.2	M17	CONTROL SYSTEMS
98	P1	PLUMBING LEGEND AND SCHEDULES
99.2	P2	PLUMBING FLOOR PLAN AREA "A"
100	P3	PLUMBING FLOOR PLAN AREA "B"
101	P4	PLUMBING FLOOR PLAN AREA "C"
102	P5	PLUMBING FLOOR PLAN AREA "D"
103	P6	ENLARGED FIRST AND SECOND FLOOR PLUMBING PLANS
104.2	P7	RISER DIAGRAMS
105	P8	PLUMBING DETAILS I
106	P9	PLUMBING DETAILS II
107	P10	PLUMBING DETAILS III
108.1	FP1	FIRE SPRINKLER PLAN - FIRST FLOOR
109	FP2	FIRE SPRINKLER PLAN - SECOND FLOOR
110	FP3	UNDERWING AFF SYSTEM PLAN
111.1	FP4	ENLARGED MECHANICAL ROOM PLAN
112.1	FP5	FIRE ALARM SYSTEM PLAN - FIRST FLOOR
113	FP6	FIRE ALARM SYSTEM PLAN - SECOND FLOOR
114	SR1	SEISMIC BRACING TABLES, NOTES AND DETAILS
ELECTRICAL		
115	E1	LEGEND AND SCHEDULES
116	E2	ELECTRICAL SITE DEMOLITION PLAN
117	E3	ELECTRICAL SITE PLAN
118	E4	SITE ONE-LINE DIAGRAM
119	E5	60 HZ ONE-LINE DIAGRAM
120	E6	DC, 50, AND 400 HZ ONE-LINE DIAGRAMS
121.1	E7	MECHANICAL POWER AND ELECTRICAL DISTRIBUTION PLAN
122	E8	POWER PLAN FIRST FLOOR AREA "A"
123	E9	POWER PLAN FIRST FLOOR AREA "B"
124	E10	POWER PLAN FIRST FLOOR AREA "C"
125	E11	POWER PLAN FIRST FLOOR AREA "D"
126	E12	POWER PLAN SECOND FLOOR AREA "E"
127	E13	POWER PLAN SECOND FLOOR AREA "F"
128	E14	POWER PLAN SECOND FLOOR AREA "G"
129	E15	LIGHTING PLAN EXIT, EMERGENCY, BAY AND EXTERIOR
130	E16	LIGHTING PLAN FIRST FLOOR AREA "A"
131	E17	LIGHTING PLAN FIRST FLOOR AREA "B"
132	E18	LIGHTING PLAN FIRST FLOOR AREA "C"
133	E19	LIGHTING PLAN FIRST FLOOR AREA "D"
134	E20	LIGHTING PLAN SECOND FLOOR AREA "E"
135	E21	LIGHTING PLAN SECOND FLOOR AREA "F"
136	E22	LIGHTING PLAN SECOND FLOOR AREA "G"
137	E23	SPECIAL SYSTEMS PLAN
138	E24	GROUNDING PLAN
139	E25	LIGHTNING PROTECTION PLAN
140	E26	RECEPTACLE DETAILS SHEET 1
141	E27	RECEPTACLE DETAILS SHEET 2
142	E28	DC, 50, AND 400 HZ DETAILS
143	E29	ELECTRICAL SITE DETAILS
144	E30	LIGHTING DETAILS
145.2	E31	ENLARGED ELECTRICAL/MECHANICAL ROOMS AND EQUIPMENT YARD PLAN
146	E32	MISCELLANEOUS DETAILS
147	E33	LIGHTING CONTROL SCHEMATICS
148	E34	EMERGENCY CUT-OFF SCHEMATIC AND CONTROL TABLE
149	E35	SPECIAL SYSTEMS RISER DIAGRAMS
150.1	E36	PANEL SCHEDULES MDP, SDP, AND E1
151	E37	PANEL SCHEDULES R1, R2, R3, AND R4
152	E38	PANEL SCHEDULES M1, M2, AND M3
153.1	E39	PANEL SCHEDULES L1, L2, P1, AND P2
154	E40	PANEL SCHEDULES 50DP, 50P1, 50P2, AND 50P3
155	E41	PANEL SCHEDULES 400DP, DC1, AND DC2

US Army Corps of Engineers
Abuquerque District

Rev	Date	Description
1	08/19/99	ML9443
2	04/19/99	ML9442
3	02/27/99	ML9416
4	12/22/98	ML9418
5	11/19/98	ML9397
6	7/19/98	MOD001

The Name: ML9443
 Plot Scale: AS SHOWN
 Plot Date: SEPTEMBER 2002
 SU/CONTRACT NO.: PROJECT NO.
 Project No.: 7
 Accidents: 0
 Error Tolerance: 0.001

DESIGN BY: CODE
 DRAWN BY: CODE
 REVIEWED BY: CODE
 DATE:

INDEX OF DRAWINGS

CUSTOMER NAME:
 LOCATION OF PROJECT:
 PROJECT NAME:

SHEET NO.
G-002
 2 OF 3

SEQUENCE NO.
2.7

ML9443