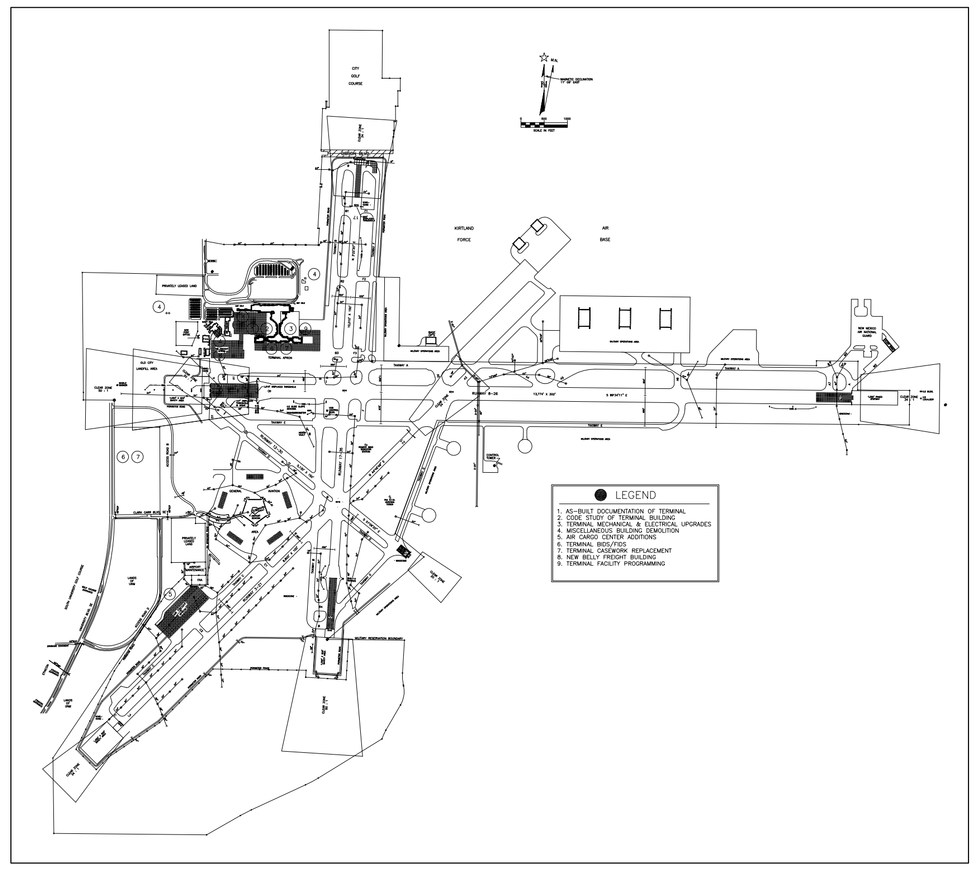
ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

BPLW PROJECT No. A04008 - A05



ASCG
INCORPORATED
ENGINEERS • ARCHITECTS • SURVEYORS • PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 • FAX 505.242.4845

Dennis Parker 01/03/06
AVIATION DEPARTMENT DATE

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

LANDFILL PROXIMITY DISCLOSURE STATEMENT

THE SUBJECT PROPERTY IS LOCATED NEAR A FORMER LANDFILL. DUE TO THE SUBJECT PROPERTY BEING NEAR A FORMER LANDFILL, CERTAIN PRECAUTIONARY MEASURES MAY NEED TO BE TAKEN TO ENSURE THE HEALTH AND SAFETY OF THE PUBLIC. RECOMMENDATIONS MADE BY A PROFESSIONAL ENGINEER WITH EXPERTISE IN LANDFILLS AND LANDFILL GAS ISSUES (AS REQUIRED BY THE MOST CURRENT VERSION OF THE INTERIM GUIDELINES FOR DEVELOPMENT WITHIN CITY DESIGNATED LANDFILL BUFFER ZONES) SHALL BE CONSULATED PRIOR TO DEVELOPMENT OF THE SITE.

Marcie Pincus 01/04/06
ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT DATE

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

STATE OF NEW MEXICO
WILLIAM PAUL WATERS
NO. 2500
REGISTERED ARCHITECT

I William Paul Waters, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/10/2008.

APPROVALS	ENGINEER	DATE
DRC Chairman	Jane Rael	05/04/06
Transportation		
Water/Wastewater		
Hydrology		
Aviation		
Constr. Mngnt.		

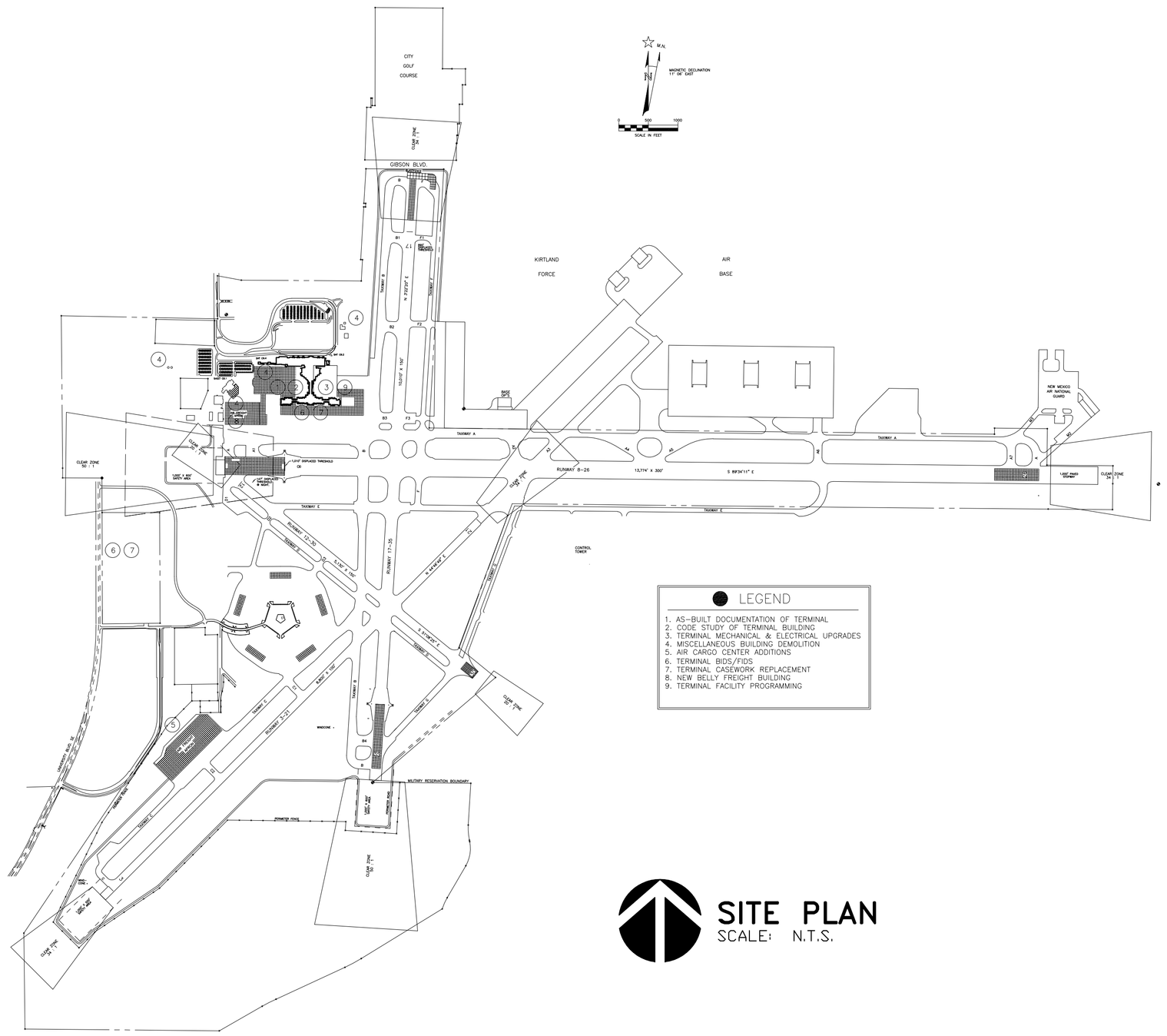
**********APPROVED FOR CONSTRUCTION**********

George Gee 04/25/06
City Architect Date

Richard Duarte 05/04/06
City Engineer Date

City Project No.	Drawing No.	Sheet of
725911	G0.1	1 124

2 6 - 7 2 5 9 . 1 1 - 0 8



SITE PLAN
SCALE: N.T.S.

SYMBOLS + ABBREVIATIONS

ELEVATION — 0 / A-000

SECTION — 0 / A-000

DETAIL — A0 / A000

KEYED NOTE — –

000 — DOOR TYPE

ROOM NAME / 101 — ROOM IDENTIFICATION

B.O.S.	–	BOTTOM OF STEEL/STUD
BRG.	–	BEARING
CLR.	–	CLEAR
CMU	–	CONCRETE MASONRY UNIT(S)
DIA.	–	DIAMETER
EQ.	–	EQUAL
F.D.	–	FLOOR DRAIN
F.F.	–	FINISHED FLOOR
F.H.	–	FIRE HYDRANT
FIN.FLR.	–	FINISHED FLOOR
F.O.F.	–	FACE OF FINISH
F.O.S.	–	FACE OF STUD
F.S.	–	FLOOR SINK
INSUL.	–	INSULATED/INSULATION
MAX.	–	MAXIMUM
MIN.	–	MINIMUM
N.I.C.	–	NOT IN CONTRACT
N.T.S.	–	NOT TO SCALE
O.C.	–	ON CENTER
O.F.C.I.	–	OWNER FURNISHED, CONTRACTOR INSTALLED
O.F.O.I.	–	OWNER FURNISHED, OWNER INSTALLED
O.H.,OPP.	–	OPPOSITE HAND
PRTL.	–	PARTIAL
REFLECT.	–	REFLECTIVE
SURF.	–	SURFACE
T.O.	–	TOP OF
T.O.M.	–	TOP OF MASONRY
T.O.S.	–	TOP OF STEEL/STUD
U.N.O.	–	UNLESS NOTED OTHERWISE
W.R.	–	WATER RESISTANT

INDEX OF DRAWINGS

GENERAL

1	G0.1	COVER SHEET
2	G0.2	DRAWING INDEX, SYMBOLS & ABBREVIATIONS

STRUCTURAL

3	S1.1	COOLING TOWER FDN & BEAM FRAMING PLAN

MECHANICAL

4	M3.1	MECHANICAL PLAN – FIRST LEVEL
5	M3.2	MECHANICAL PLAN – FIRST LEVEL
6	M3.3	MECHANICAL PLAN – FIRST LEVEL
7	M3.4	MECHANICAL PLAN – FIRST LEVEL
8	M3.5	MECHANICAL PLAN – FIRST LEVEL
9	M3.7	MECHANICAL PLAN –SECOND LEVEL
10	M3.8	MECHANICAL PLAN –SECOND LEVEL
11	M3.9	MECHANICAL PLAN –SECOND LEVEL
12	M3.10	MECHANICAL PLAN –SECOND LEVEL
13	M3.11	MECHANICAL PLAN –SECOND LEVEL
14	M3.12	MECHANICAL PLAN –SECOND LEVEL
15	M3.13	MECHANICAL PLAN –SECOND LEVEL
16	M3.13a	MECHANICAL PLAN –SECOND LEVEL
17	M3.14	MECHANICAL PLAN –SECOND LEVEL
18	M3.14a	MECHANICAL PLAN –SECOND LEVEL
19	M3.16	MECHANICAL PLAN –SECOND LEVEL
20	M3.17	MECHANICAL PLAN – THIRD
21	M3.18	MECHANICAL PLAN – THIRD
22	M3.19	MECHANICAL PLAN – THIRD
23	M3.20	MECHANICAL PLAN – THIRD
24	M3.21	MECHANICAL PLAN – THIRD
25	M3.22	MECHANICAL PLAN – THIRD
26	M3.22a	MECHANICAL PLAN – THIRD
27	M3.23	MECHANICAL PLAN – THIRD
28	M3.24	MECHANICAL PLAN – THIRD
29	M3.25	MECHANICAL PLAN – FOURTH
30	M3.26	MECHANICAL PLAN – THIRD
31	M3.27	MECHANICAL PLAN – THIRD
32	M4.00	PENTHOUSE LOCATION PLAN
33	M4.01	MECHANICAL PLAN – PH4, PH1
34	M4.2	MECHANICAL PLAN – PH2
35	M4.3	MECHANICAL PLAN – PH3
36	M4.4	MECHANICAL PLAN – PH5 & PH6
37	M4.5	MECHANICAL PLAN – PH7 & PH8
38	M4.6	MECHANICAL PLAN – PH9
39	M4.7	MECHANICAL PLAN – PH10
40	M4.8	MECHANICAL PLAN – PH11 & PH12
41	M4.9	MECHANICAL PLAN – PH13 & PH14
42	M4.10	CHILLER ROOM PLAN
43	M4.11	BOILER ROOM MECHANICAL PLAN
44	M4.12	MECHANICAL PLAN, PH15
45	M4.13	MECHANICAL PLAN, PH16 (KITCHEN)
46	M4.14	MECHANICAL PLAN, PH17
47	M4.15	MECHANICAL PLAN, PH'S (SECURITY SCREENING)
48	M5.1	DETAILS
49	M6.1	CONTROLS
50	M6.2	CONTROLS
51	M6.3	CHILLER WATER PLANT SCHEMATIC
52	M6.4	BOILER PLANT SCHEMATIC
53	M6.5	CONTROLS
54	M7.1	MECHANICAL EQUIPMENT SCHEDULE

ELECTRICAL

55	GE0.1	ELECTRICAL SYMBOLS AND LEGEND
56	E8.4R	POWER RISER DIAGRAM – NORTH – REMOVAL
57	E8.5R	POWER RISER DIAGRAM – SOUTH – REMOVAL
58	E8.6R	FEEDER SCHEDULE – POWER CENTER NO. 2 – REMOVAL
59	E8.7R	FEEDER SCHEDULE – POWER CENTER NO. 3 – REMOVAL
60	E8.8R	FEEDER SCHEDULE – POWER CENTER NO. 4 – REMOVAL
61	E8.9R	FEEDER SCHEDULE – POWER CENTERS NO. 5 & 6 – REMOVAL
62	E1.1	POWER RISER DIAGRAM – POWER CENTER #6
63	E1.2	LEVEL 2 PARTIAL POWER PLAN – "D GATE" (TRANSFORMER RELOCATION DRAWING)
64	E1.3	LEVEL 1 PARTIAL POWER PLAN – TUNNEL (TRANSFORMER RELOCATION DRAWING)
65	E3.2	ELECTRICAL FLOOR PLAN – FIRST LEVEL (ADDENDA NO. 2)
66	E3.3	ELECTRICAL FLOOR PLAN – FIRST LEVEL (ADDENDA NO. 2)
67	E3.4	ELECTRICAL FLOOR PLAN – FIRST LEVEL (ADDENDA NO. 2)
68	E3.5	ELECTRICAL FLOOR PLAN – FIRST LEVEL (ADDENDA NO. 2)
69	E3.6	NOT USED.
70	E3.7	ELECTRICAL FLOOR PLAN – SECOND LEVEL (ADDENDA NO. 2)
71	E3.8	ELECTRICAL FLOOR PLAN – SECOND LEVEL (ADDENDA NO. 2)
72	E3.9	ELECTRICAL FLOOR PLAN – SECOND LEVEL (ADDENDA NO. 2)
73	E3.10	ELECTRICAL FLOOR PLAN – SECOND LEVEL (ADDENDA NO. 2)
74	E3.11	ELECTRICAL FLOOR PLAN – SECOND LEVEL (ADDENDA NO. 2)
75	E3.12	ELECTRICAL FLOOR PLAN – SECOND LEVEL (ADDENDA NO. 2)
76	E3.13	ELECTRICAL FLOOR PLAN – SECOND LEVEL (ADDENDA NO. 2)
77	E3.13A	ELECTRICAL FLOOR PLAN – SECOND LEVEL (ADDENDA NO. 2)
78	E3.14	ELECTRICAL FLOOR PLAN – SECOND LEVEL (ADDENDA NO. 2)
79	E3.14A	ELECTRICAL FLOOR PLAN – SECOND LEVEL (ADDENDA NO. 2)
80	E3.15	PARTIAL POWER PLAN – 2nd LEVEL – CENTRAL CONCOURSE
81	E3.16	PARTIAL POWER PLAN – 2nd LEVEL – EAST CENTRAL CONCOURSE
82	E3.16A	ELECTRICAL FLOOR PLAN – SECOND LEVEL (ADDENDA NO. 2)
83	E3.17	PARTIAL POWER PLAN – 2nd LEVEL – EAST CONCOURSE
84	E3.17A	ELECTRICAL FLOOR PLAN – 3RD LEVEL (ADDENDA NO. 2)
85	E3.18	PARTIAL POWER PLAN – 2nd LEVEL – WEST CENTRAL CONCOURSE
86	E3.18A	ELECTRICAL FLOOR PLAN – 3RD LEVEL (ADDENDA NO. 2)
87	E3.19	PARTIAL POWER PLAN – 2nd LEVEL – WEST CONCOURSE
88	E3.19A	ELECTRICAL FLOOR PLAN – 3RD LEVEL (ADDENDA NO. 2)
89	E3.20	ELECTRICAL FLOOR PLAN – 3RD LEVEL (ADDENDA NO. 2)
90	E3.21	ELECTRICAL FLOOR PLAN – 3RD LEVEL (ADDENDA NO. 2)
91	E3.22	ELECTRICAL FLOOR PLAN – 3RD LEVEL (ADDENDA NO. 2)
92	E3.22A	ELECTRICAL FLOOR PLAN – 3RD LEVEL (ADDENDA NO. 2)
93	E3.23	ELECTRICAL FLOOR PLAN – 3RD LEVEL (ADDENDA NO. 2)
94	E3.24	ELECTRICAL FLOOR PLAN – 3RD LEVEL (ADDENDA NO. 2)
95	E3.25	ELECTRICAL FLOOR PLAN – 3RD LEVEL (ADDENDA NO. 2)
96	E3.26	ELECTRICAL FLOOR PLAN – 3RD LEVEL (ADDENDA NO. 2)
97	E7.2A	FIRST LEVEL – BAGGAGE TUNNEL
98	E7.3	PENTHOUSE POWER PLANS
99	E7.4	PENTHOUSE POWER PLANS
100	E7.5	PENTHOUSE POWER PLANS
101	E7.6	PENTHOUSE POWER PLANS
102	E7.7	PENTHOUSE POWER PLANS
103	E7.8	PENTHOUSE POWER PLANS
104	E7.9	PENTHOUSE POWER PLANS
105	E7.10	PENTHOUSE POWER PLANS
106	E7.11	PENTHOUSE POWER PLANS
107	E7.12	PENTHOUSE POWER PLANS
108	E7.13	PENTHOUSE POWER PLANS
109	E7.13A	PENTHOUSE POWER PLANS (ADDENDA NO. 2)
110	E7.14	PENTHOUSE POWER SCHEDULES
111	E7.15	PENTHOUSE POWER SCHEDULES
112	E7.16	PENTHOUSE POWER SCHEDULES
113	E7.17	PENTHOUSE POWER SCHEDULES
114	E7.18	PENTHOUSE POWER SCHEDULES
115	E8.4	POWER RISER DIAGRAM – NORTH
116	E8.5	POWER RISER DIAGRAM – SOUTH
117	E8.6	FEEDER SCHEDULE – POWER CENTER NO. 2
118	E8.7	FEEDER SCHEDULE – POWER CENTER NO. 3
119	E8.8	FEEDER SCHEDULE – POWER CENTER NO. 4
120	E8.9	FEEDER SCHEDULE – POWER CENTER NO. 5 & 6
121	E8.10	SCHEMATICS – POWER CENTER NO. 2
122	E8.11	SCHEMATICS – POWER CENTER NO. 3
123	E8.12	SCHEMATICS – POWER CENTER NO. 4
124	E8.13	SCHEMATICS – POWER CENTER NO. 5

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By — Date
Inspector's Acceptance By — Date
Final Verification By — Date
Drawings Corrected By — Date

MICRO–FILM INFORMATION
Recorded By — Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

STATE OF NEW MEXICO
WILLIAM PAUL WATERS
NO. 2500
REGISTERED ARCHITECT

I William Paul Waters, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/10/2008.

REVISIONS

No.	Date	Remarks	By

DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

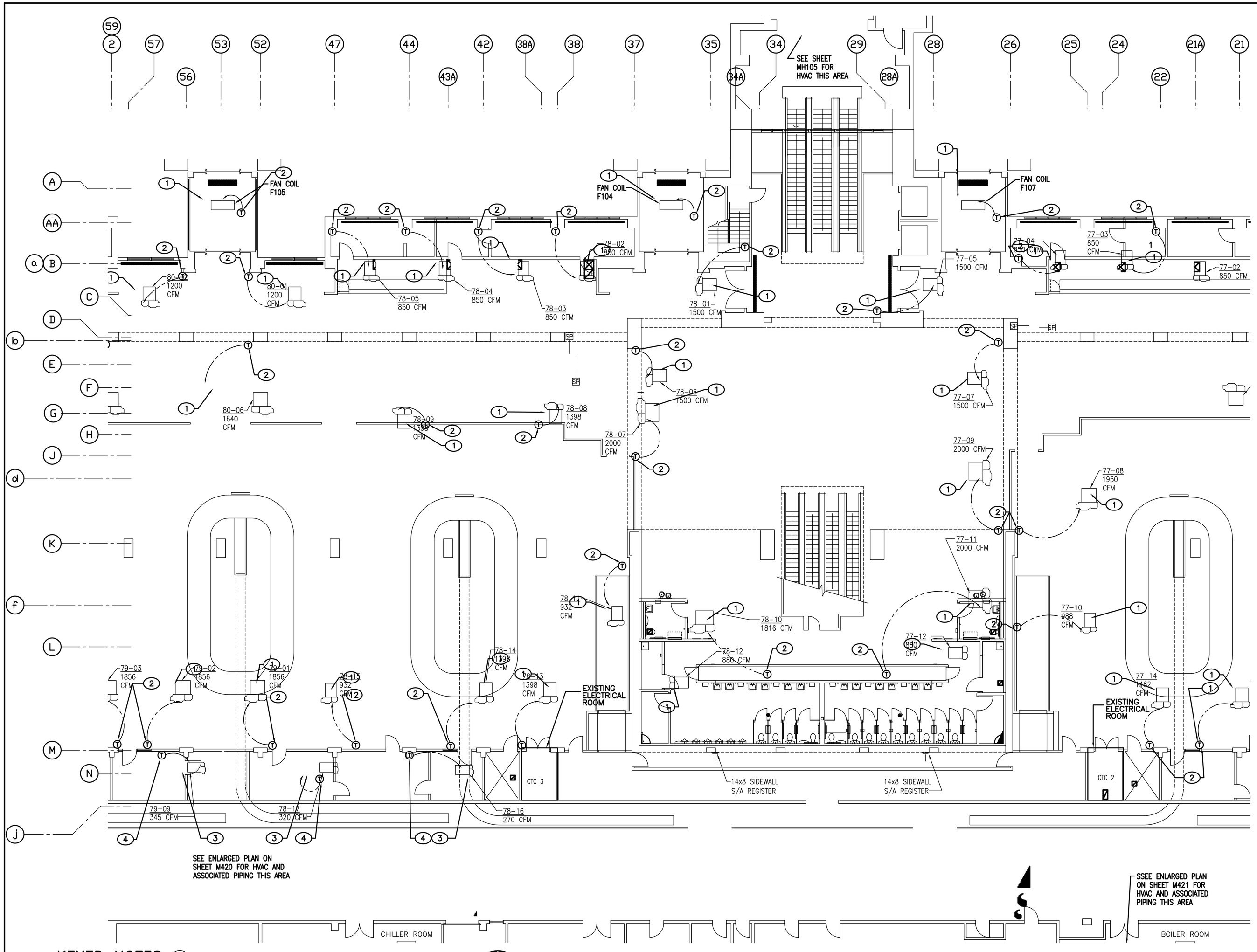
TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

DRAWING INDEX, SYMBOLS & ABBREIVATIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	G0.2	2	124

2 6 – 7 2 5 9 . 1 1 – 0 8



KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

ELECTRICAL FLOOR PLAN – FIRST LEVEL

SCALE: 3/32" = 1'–0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

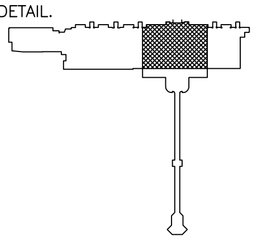
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 1 AREA 3
SCALE: NONE

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 - FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Stated By
Inspected By
Acceptance By
Accepted
Verification By
Drawings Corrected By
Date
MICRO–FILM INFORMATION
Recorded By
Date
No.

BENCH MARKS
No. | Date | Remarks | By

REVISIONS
No. | Date | By

SURVEY INFORMATION
Field Notes
No. | Date | By

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER
I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

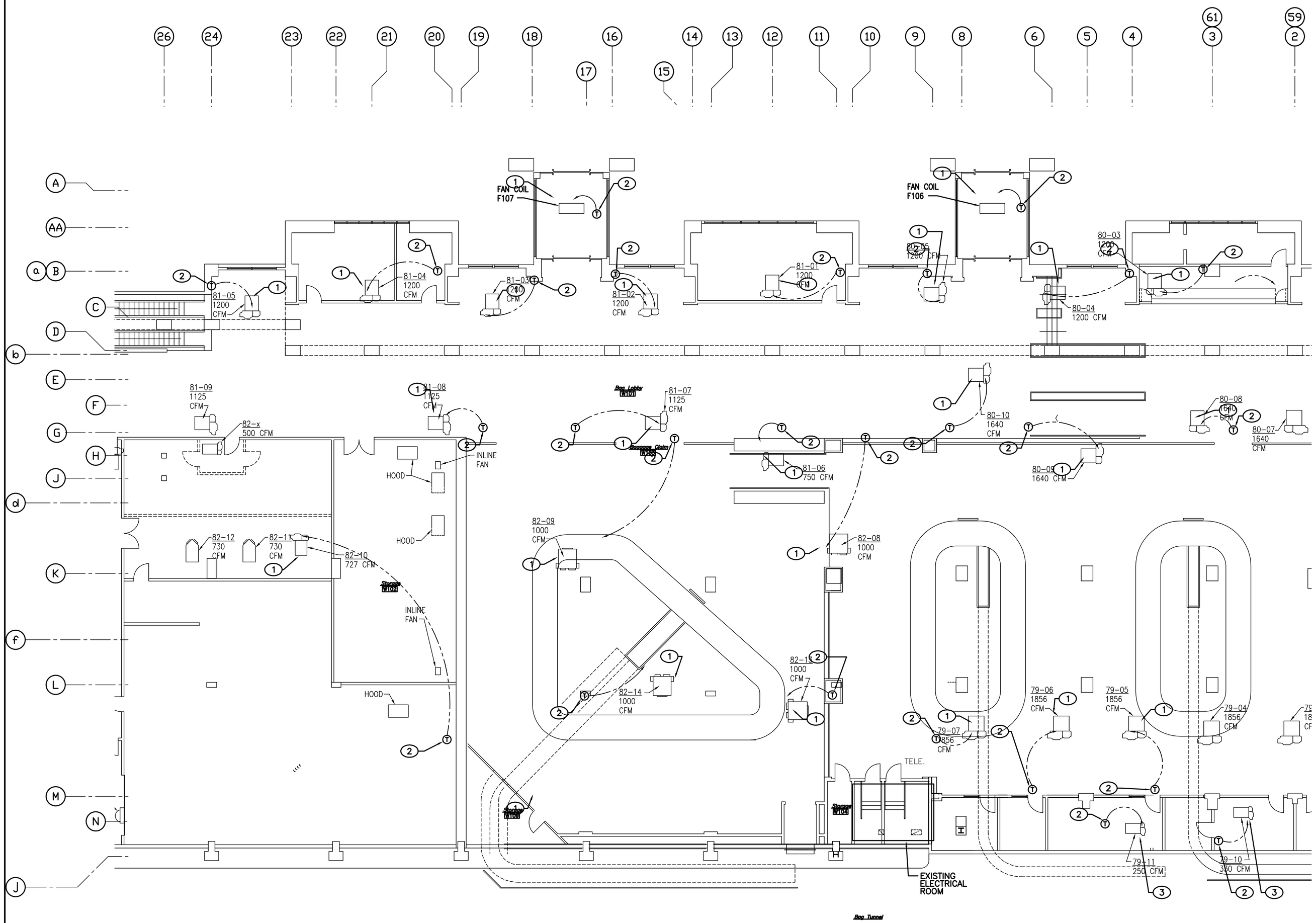
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
ELECTRICAL PLAN – FIRST LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.3	66	124

2 6 – 7 2 5 9 . 1 1 – 0 8



KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

ELECTRICAL FLOOR PLAN – FIRST LEVEL

SCALE: 3/32" = 1'–0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

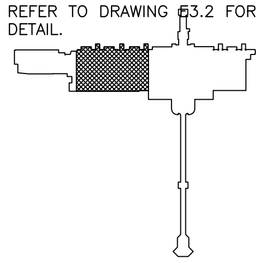
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 1 AREA 2
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Staked By / Inspected By
Acceptance By
Field Verification By
Drawings Corrected By
MICRO–FILM INFORMATION
Recorded By
No.
Date

BENCH MARKS
SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER
I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

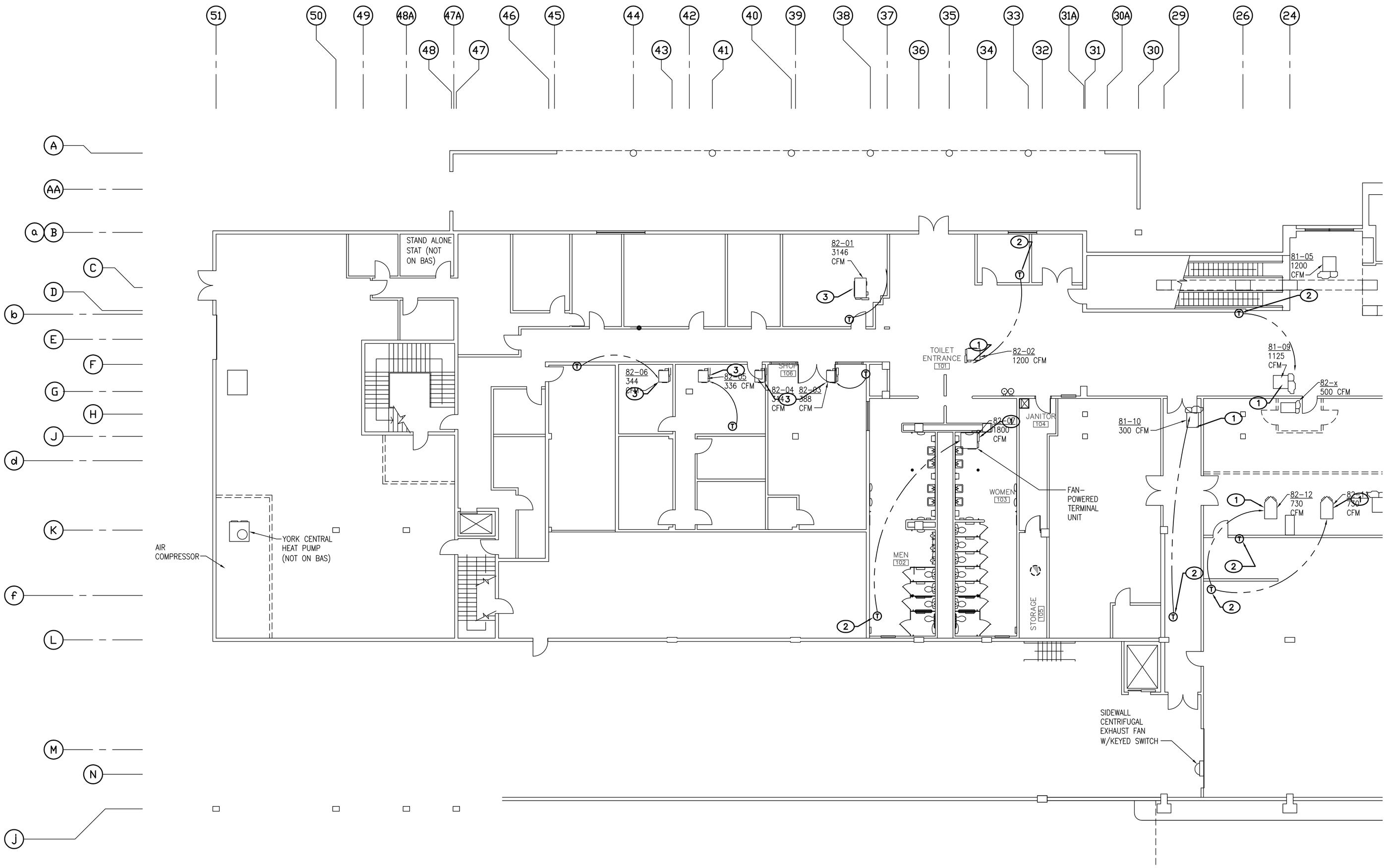
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
ELECTRICAL PLAN – FIRST LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.4	67	124

2 6 – 7 2 5 9 . 1 1 – 0 8



KEYED NOTES:

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A-1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J-BOX FROM T-STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

ELECTRICAL FLOOR PLAN - FIRST LEVEL

SCALE: 3/32" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

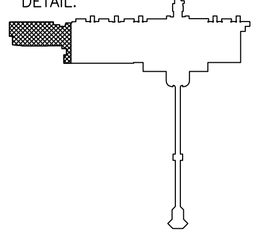
F. PROVIDE JUNCTION BOX FOR T-STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN-LEVEL 1 AREA 1
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER
I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
Designed By: Date:
Drawn By: Date:
Checked By: Date:

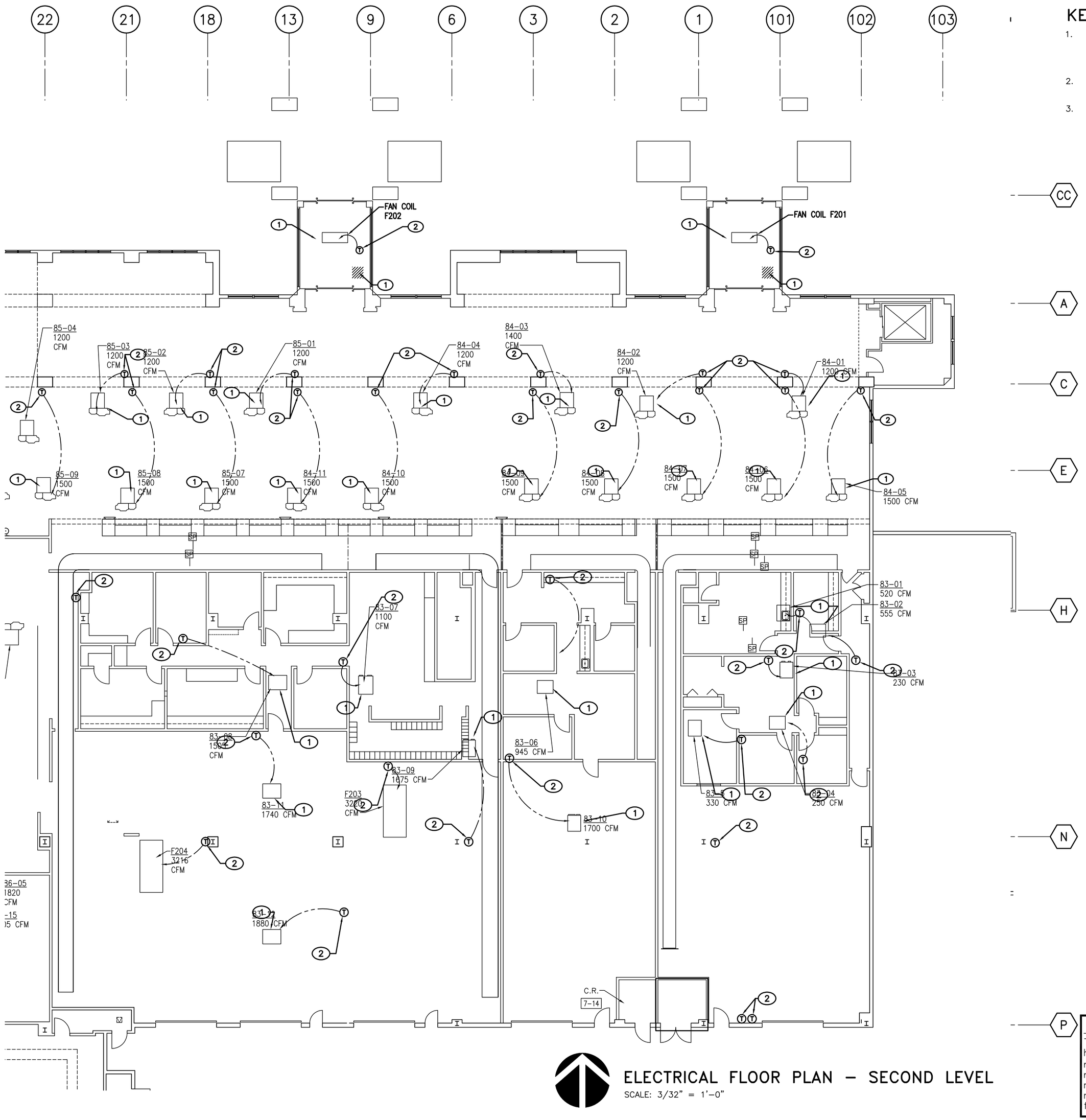
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN - FIRST LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E3.5	68	124

26-725911.11-08



ELECTRICAL FLOOR PLAN – SECOND LEVEL

SCALE: 3/32" = 1'-0"

KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

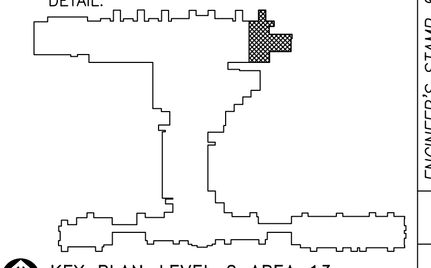
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 2 AREA 13
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Stated By
Substantial Acceptance By
Date
Additional Verification By
Date
Drawings Corrected By
Date
MICRO–FILM INFORMATION
Recorded By
Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER
I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Remarks | By | Date
DESIGN
Designed By: | Date:
Drawn By: | Date:
Checked By: | Date:

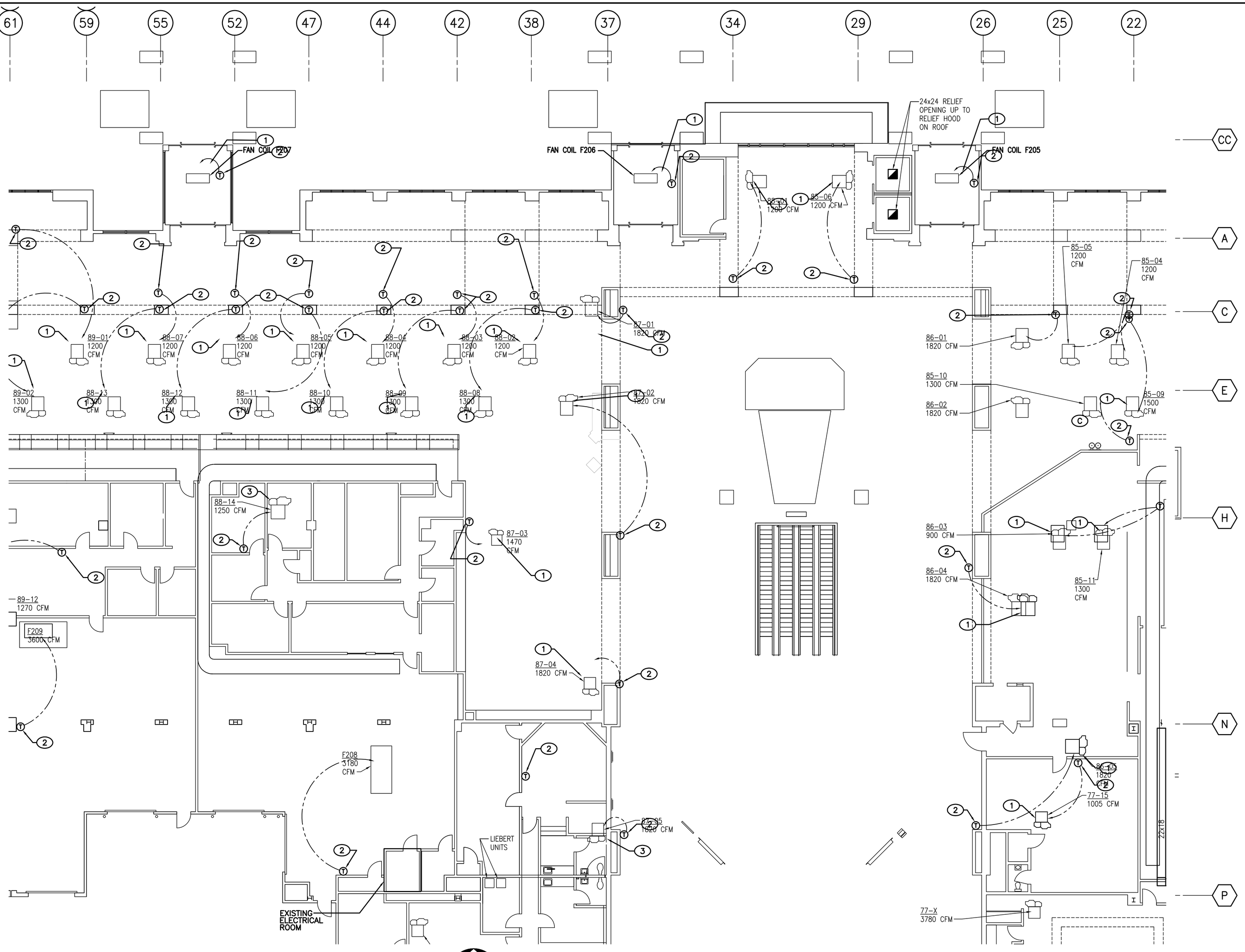
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.7	70	124

26-7259.11-08



KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

ELECTRICAL FLOOR PLAN – SECOND LEVEL

SCALE: 3/32" = 1'–0"

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

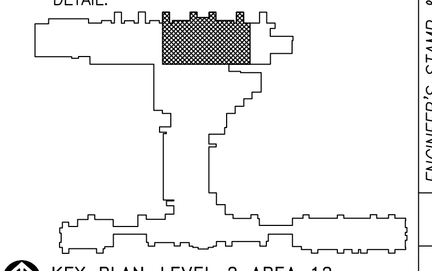
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 2 AREA 12
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Acceptance By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS
No. | Date | Remarks

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER
I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS | By | Date
DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

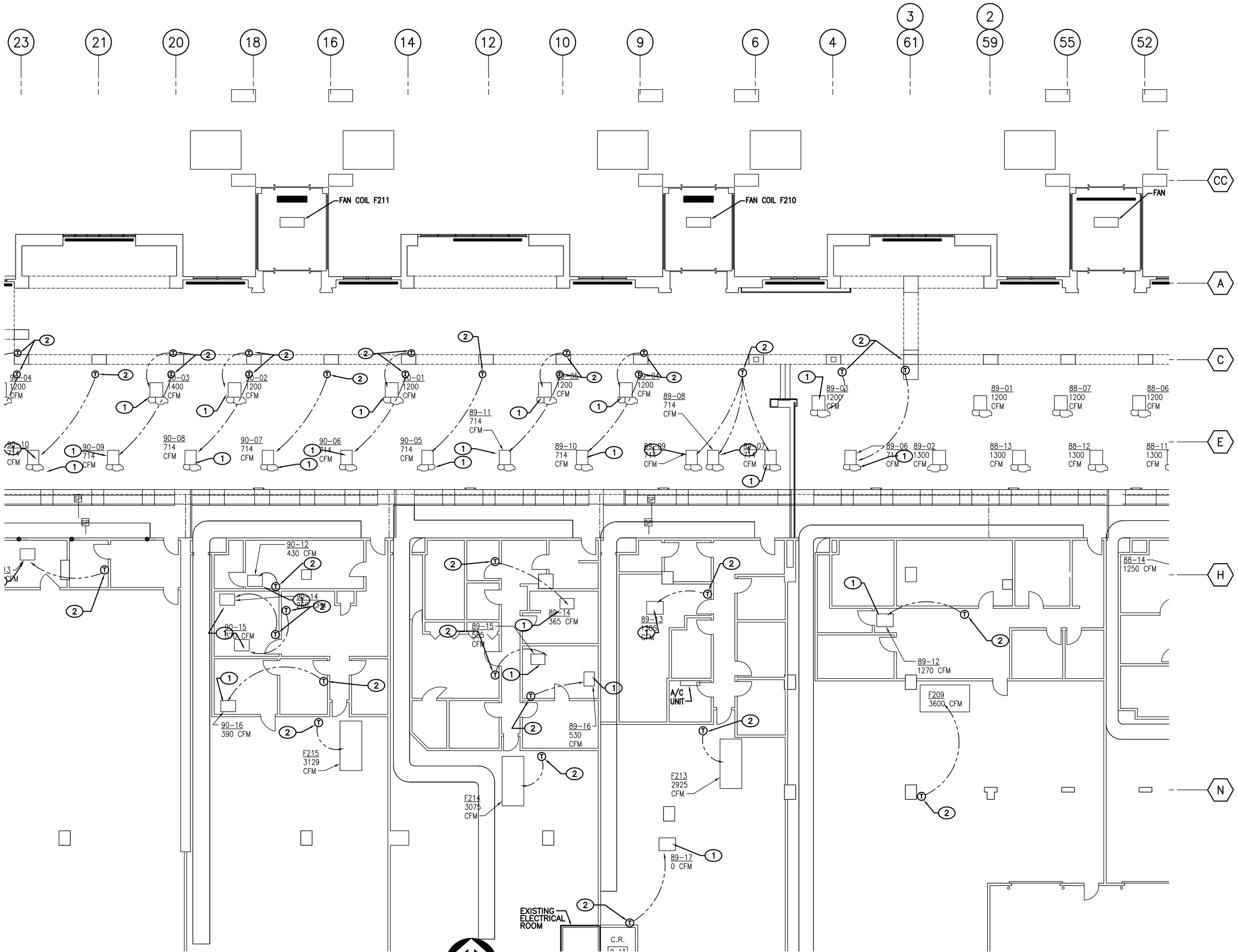
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.8	71	124

26–7259.11–08



ELECTRICAL FLOOR PLAN – SECOND LEVEL

SCALE: 3/32" = 1'-0"

KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

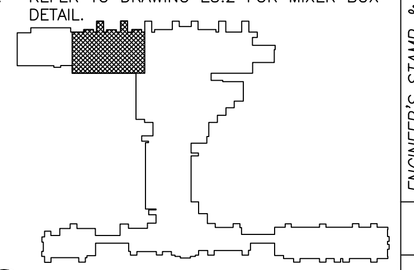
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 2 AREA 11
SCALE: NONE

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 • FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Stated By / Date
Inspected & Acceptance By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS
No. / Date / By

SURVEY INFORMATION
Field Notes
No. / Date / By

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER
I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. / Date / Remarks / By
DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

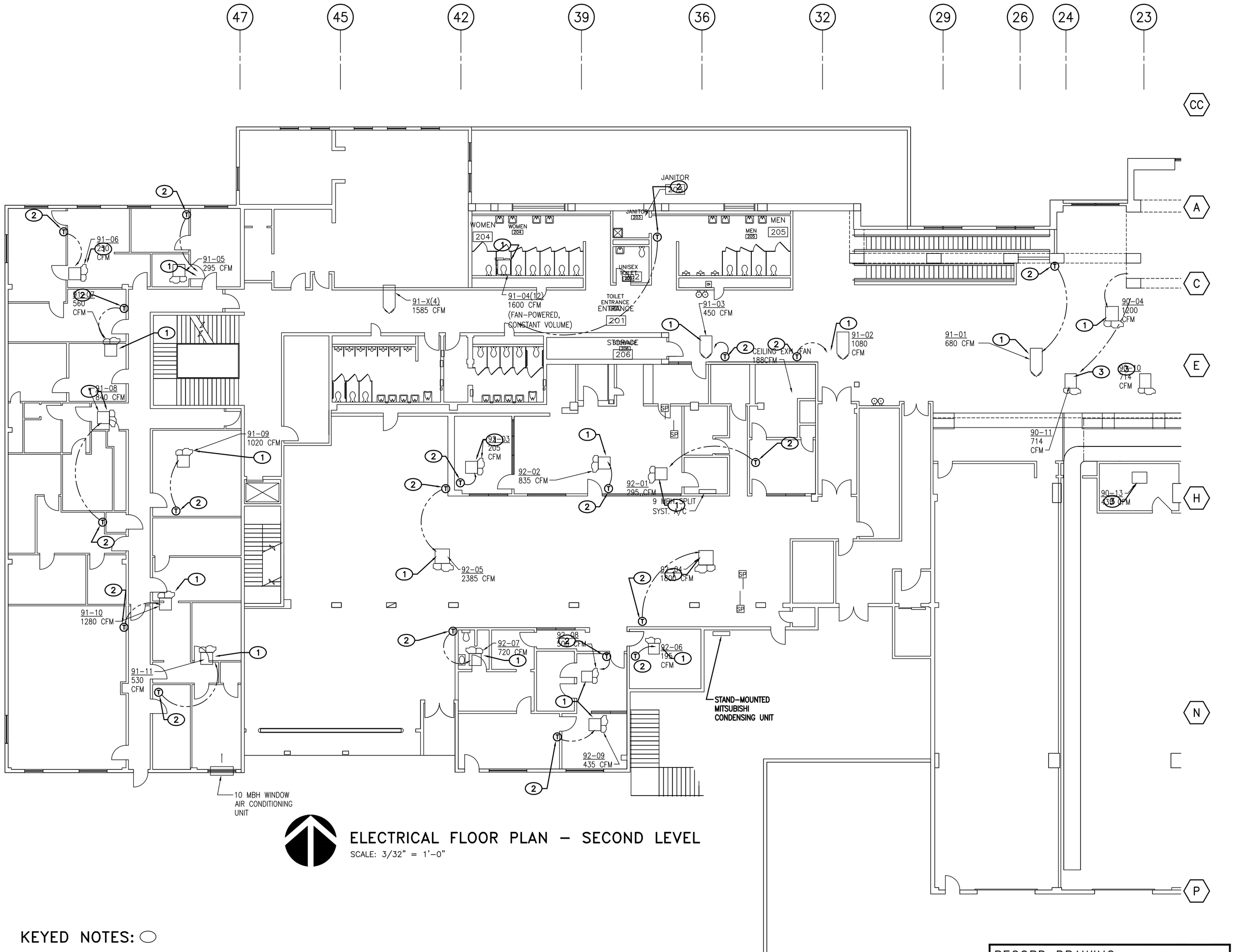
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
ELECTRICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.9	72	124

26-7259.11-08



ELECTRICAL FLOOR PLAN – SECOND LEVEL

SCALE: 3/32" = 1'-0"

KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

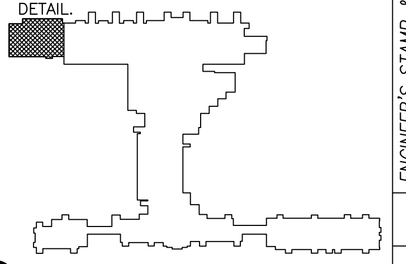
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 2 AREA 10
SCALE: NONE

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

REVISIONS
No. | Date | By | Remarks
DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

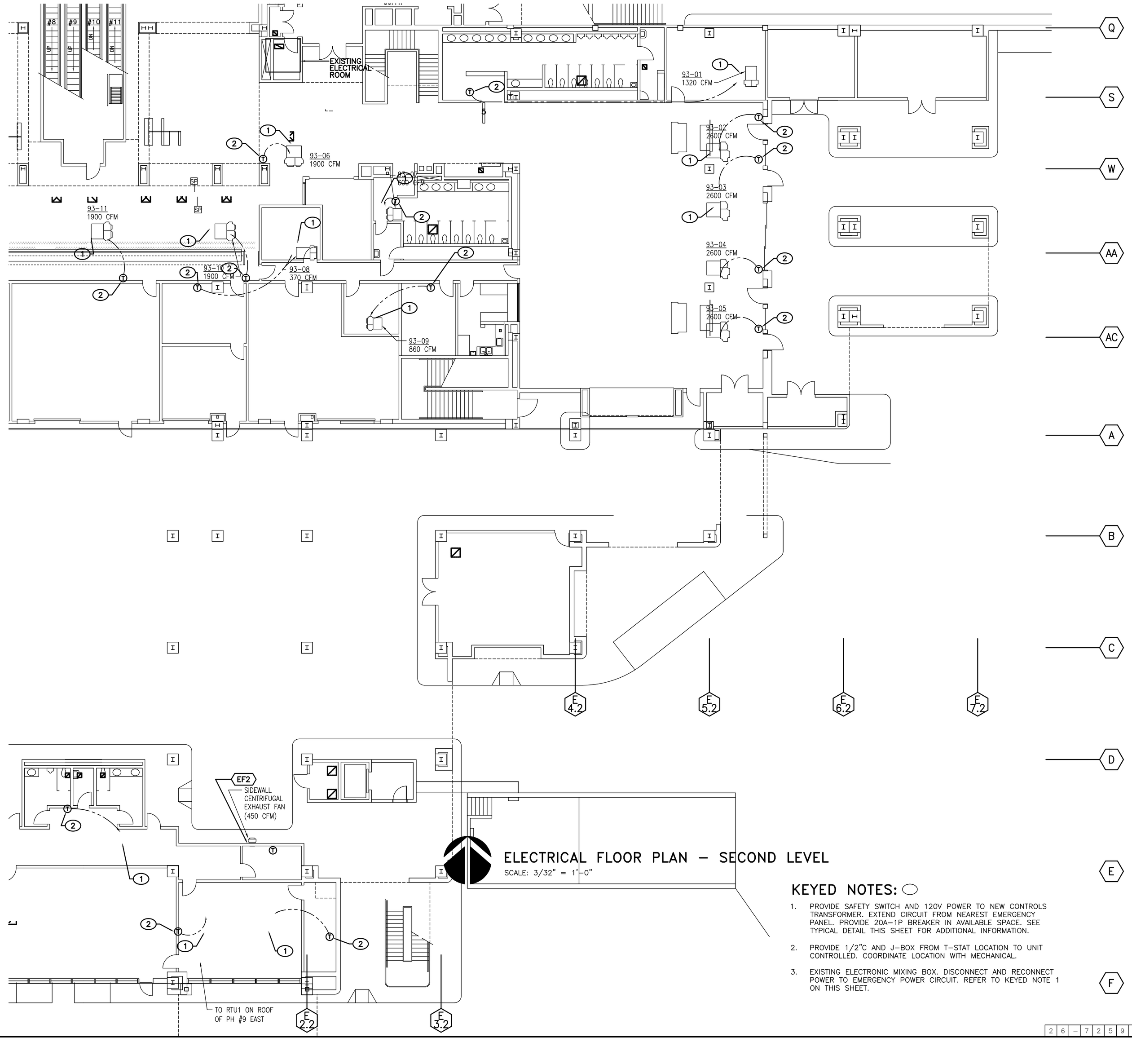
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.10	73	124

2 6 – 7 2 5 9 . 1 1 – 0 8



ELECTRICAL FLOOR PLAN – SECOND LEVEL

SCALE: 3/32" = 1'–0"

KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

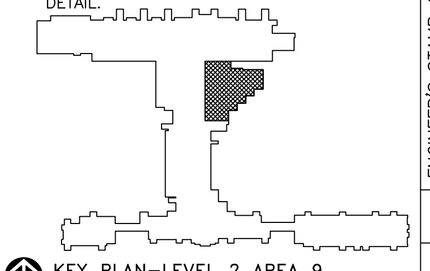
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 2 AREA 9
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS

No.	Date	Remarks	By
		DESIGN	
		Designed By:	Date:
		Drawn By:	Date:
		Checked By:	Date:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

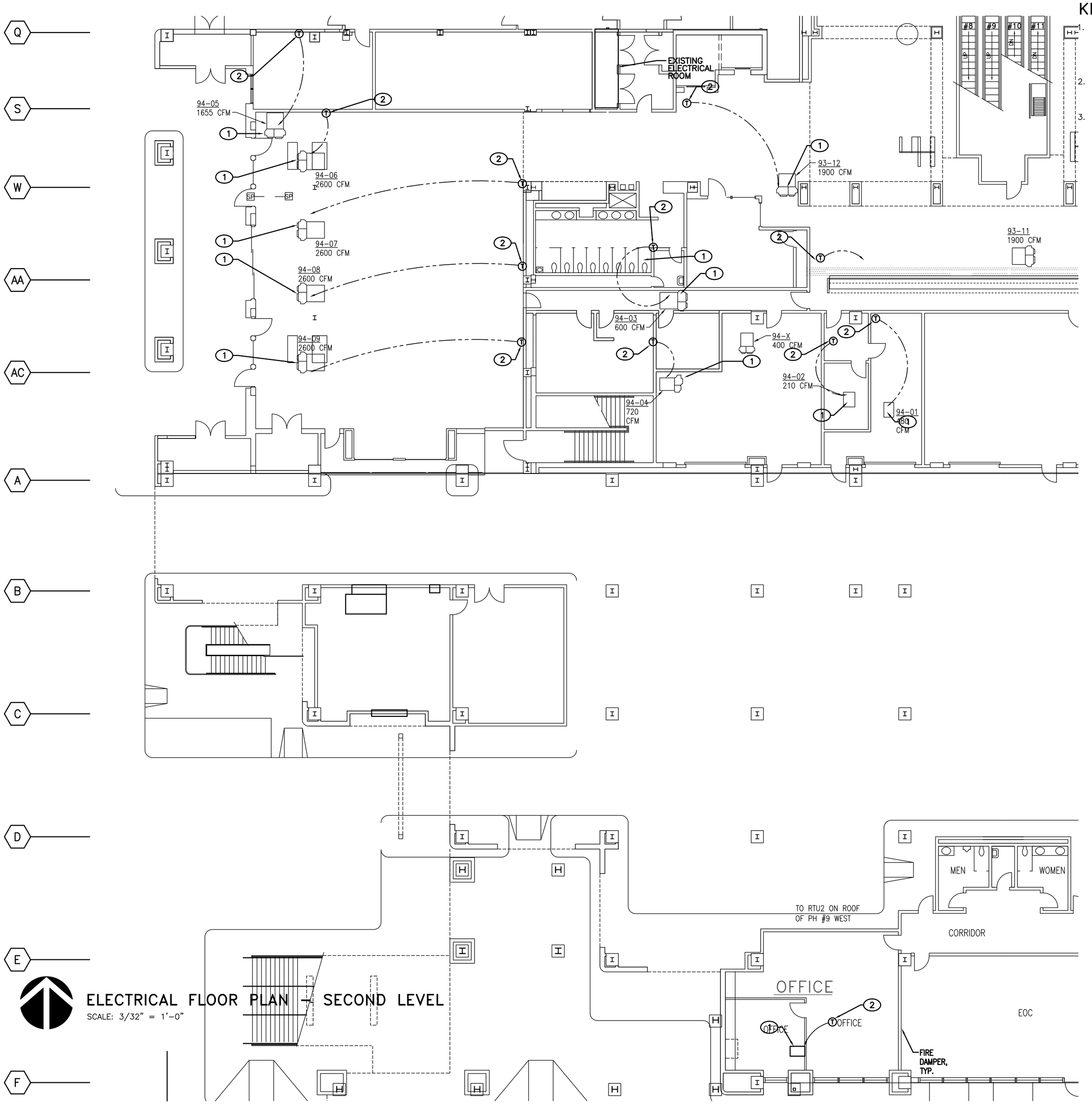
TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

ELECTRICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.11	74	124

26–725911.11–08



KEYED NOTES:

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

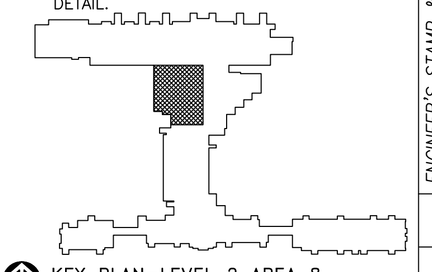
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 2 AREA 8
SCALE: NONE

ELECTRICAL FLOOR PLAN – SECOND LEVEL

SCALE: 3/32" = 1'–0"

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Stated By
Substantial Acceptance By
Date
Field Verification By
Date
Drawings Corrected By
Date
MICRO–FILM INFORMATION
Recorded By
Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

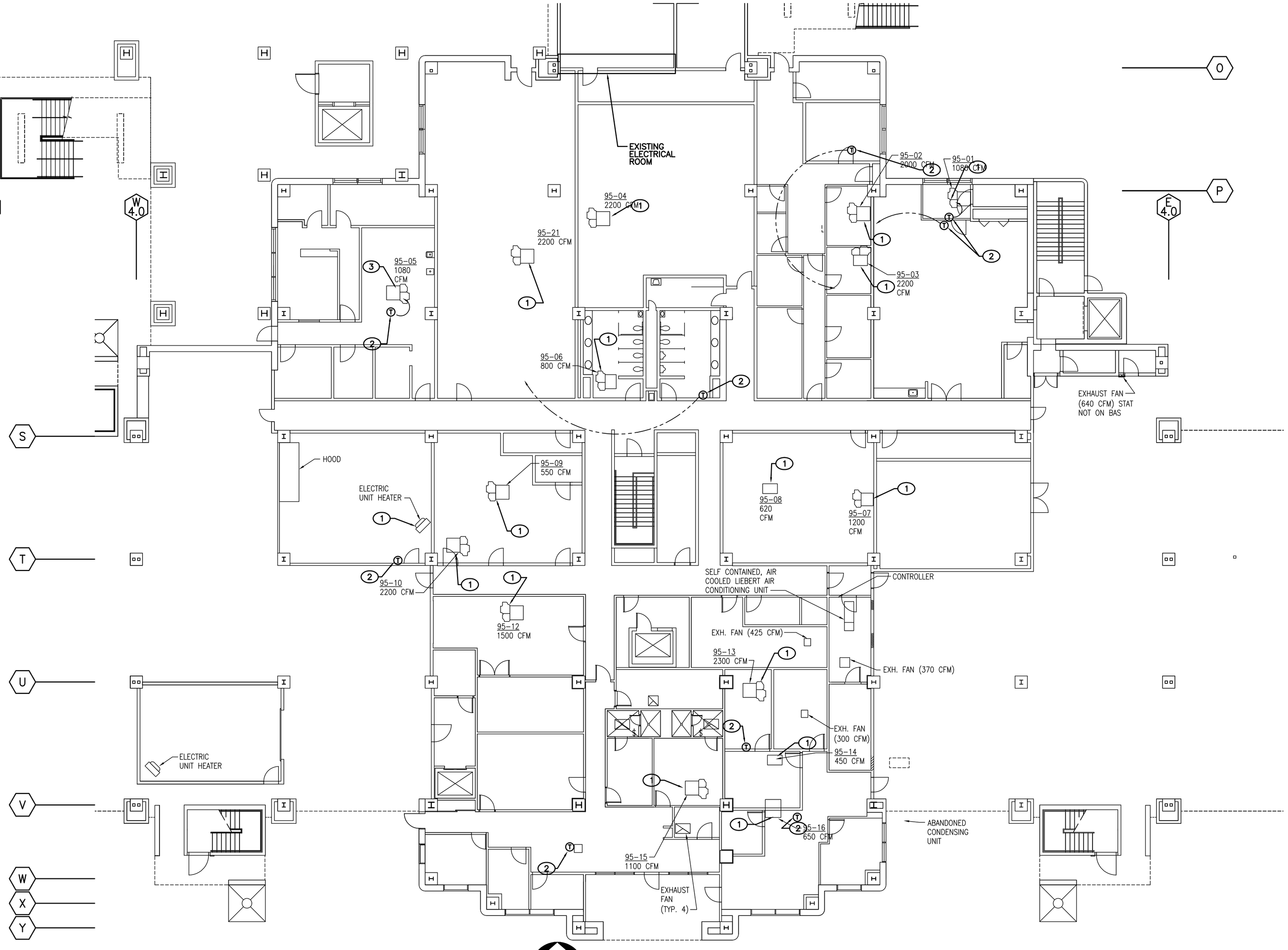
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.12	75	124

26–725911–11–08



ELECTRICAL FLOOR PLAN – SECOND LEVEL

SCALE: 3/32" = 1'-0"

KEYED NOTES:

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

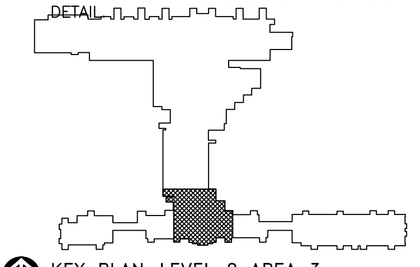
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL



KEY PLAN–LEVEL 2 AREA 3
SCALE: NONE

ABQ INTERNATIONAL SUNPORT

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Staked By / Inspected By
Acceptance By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – SECOND LEVEL

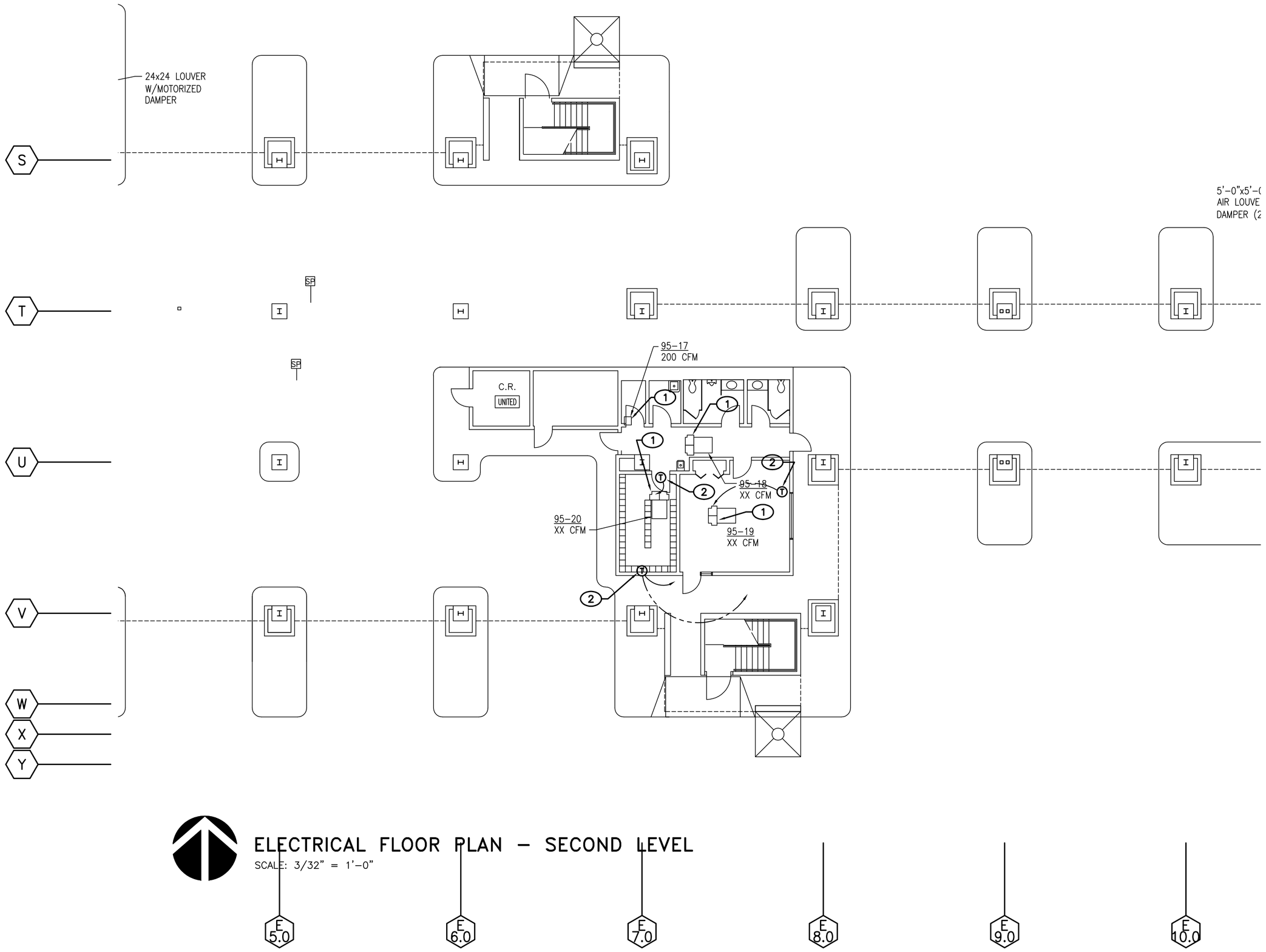
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.13	76	124

26–72591.11–08

KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.



ELECTRICAL FLOOR PLAN – SECOND LEVEL

SCALE: 3/32" = 1'–0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

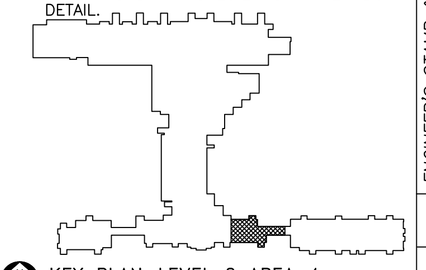
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL



KEY PLAN–LEVEL 2 AREA 4
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Inspected By / Date
Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS

No.	Date	By	Remarks

DESIGN
Designed By: BPLW Date:
Drawn By: BPLW Date:
Checked By: BPLW Date:

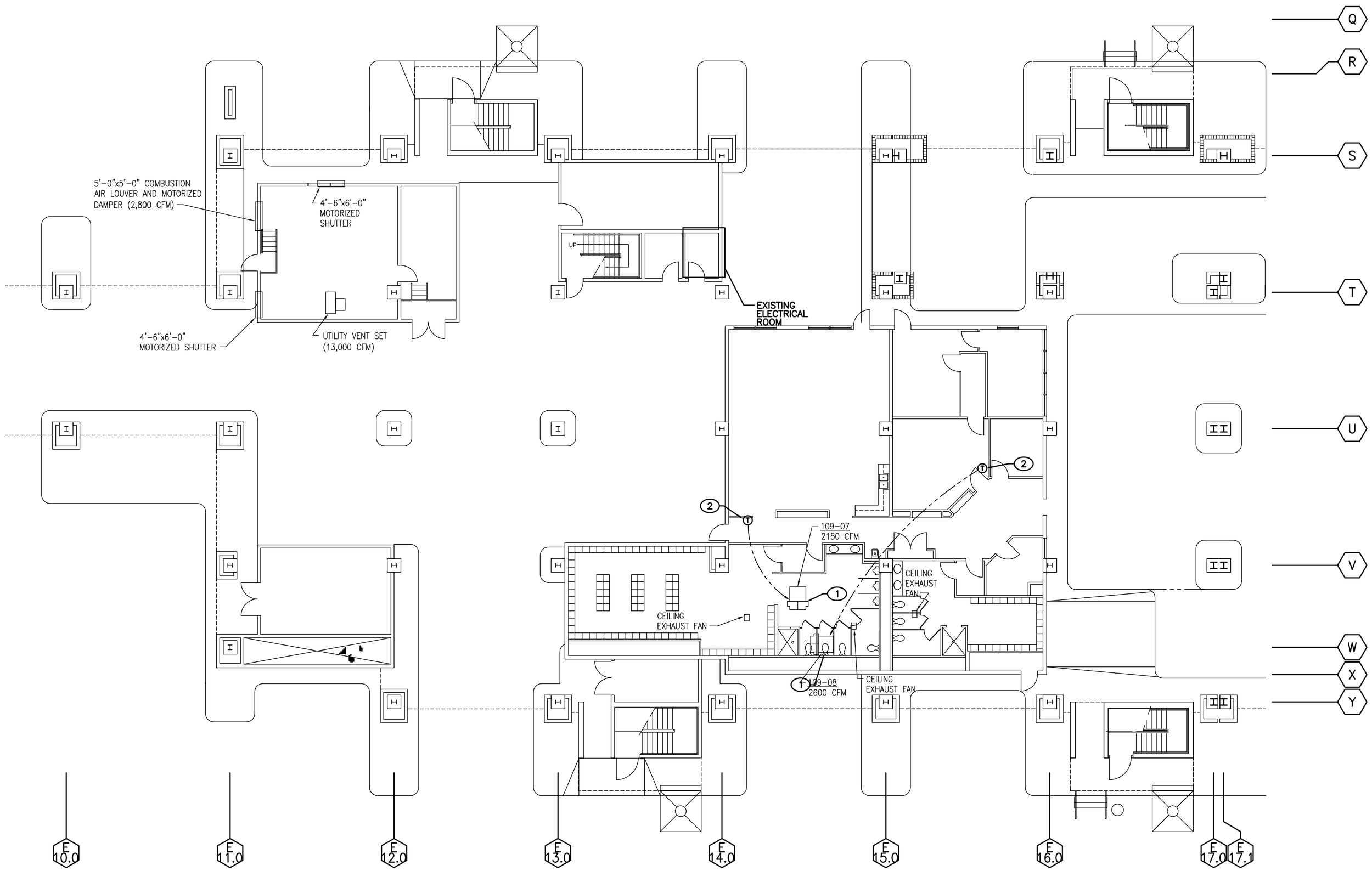
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.13A	77	124

2 6 – 7 2 5 9 . 1 1 – 0 8



KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

ELECTRICAL FLOOR PLAN – SECOND LEVEL

SCALE: 3/32" = 1'–0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

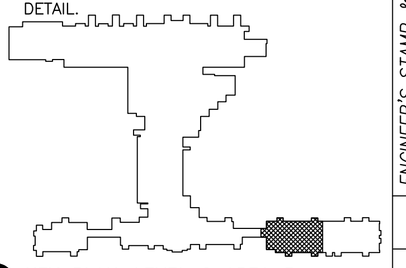
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 2 AREA 5
SCALE: NONE

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: BPLW Date:
Drawn By: BPLW Date:
Checked By: BPLW Date:

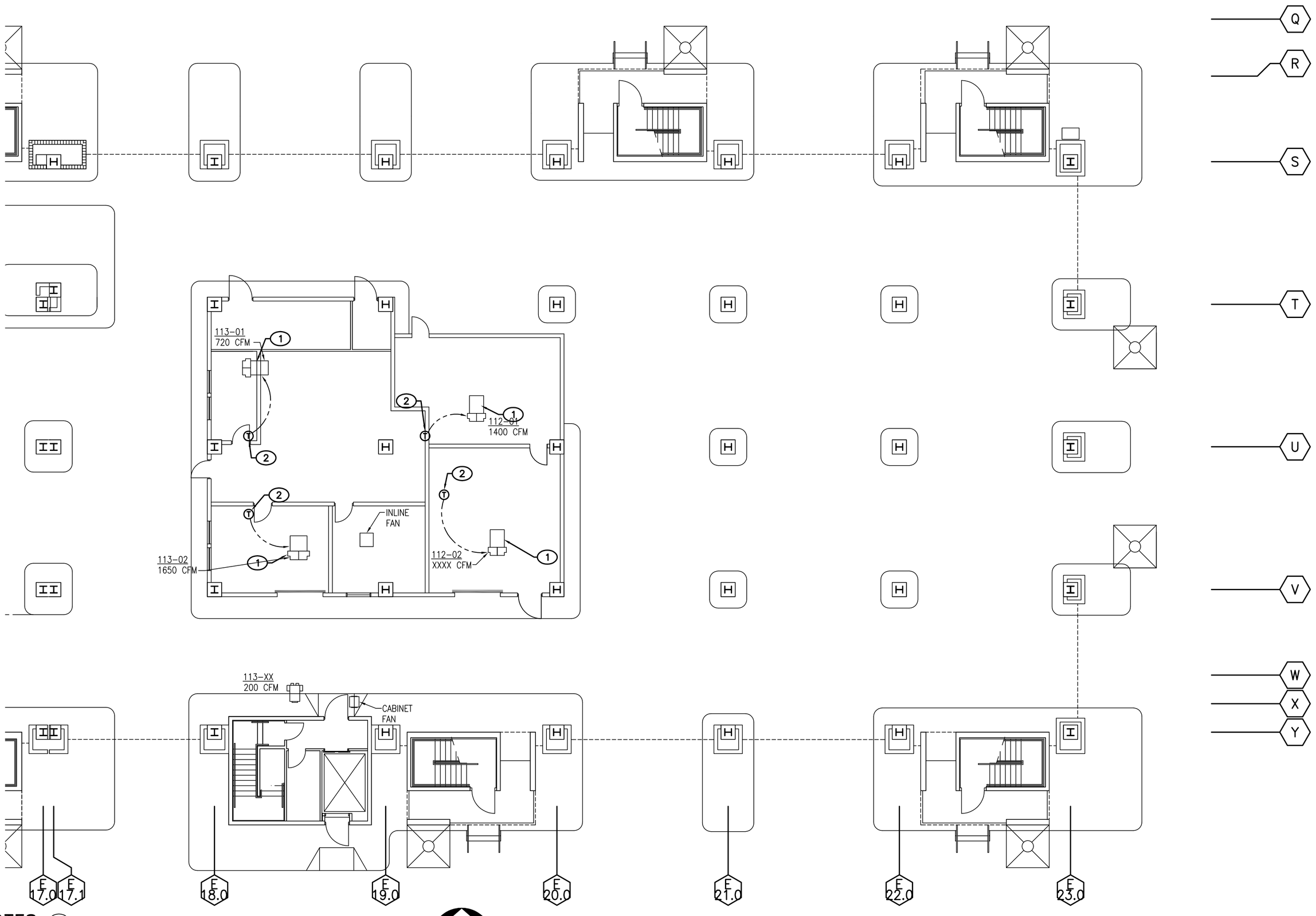
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.14	78	124

2 6 – 7 2 5 9 . 1 1 – 0 8



KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

ELECTRICAL FLOOR PLAN – SECOND LEVEL

SCALE: 3/32" = 1'–0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

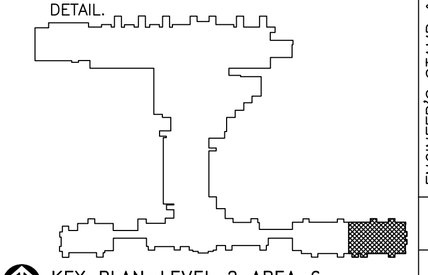
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 2 AREA 6
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed & Accepted By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: BPLW Date:
Drawn By: BPLW Date:
Checked By: BPLW Date:

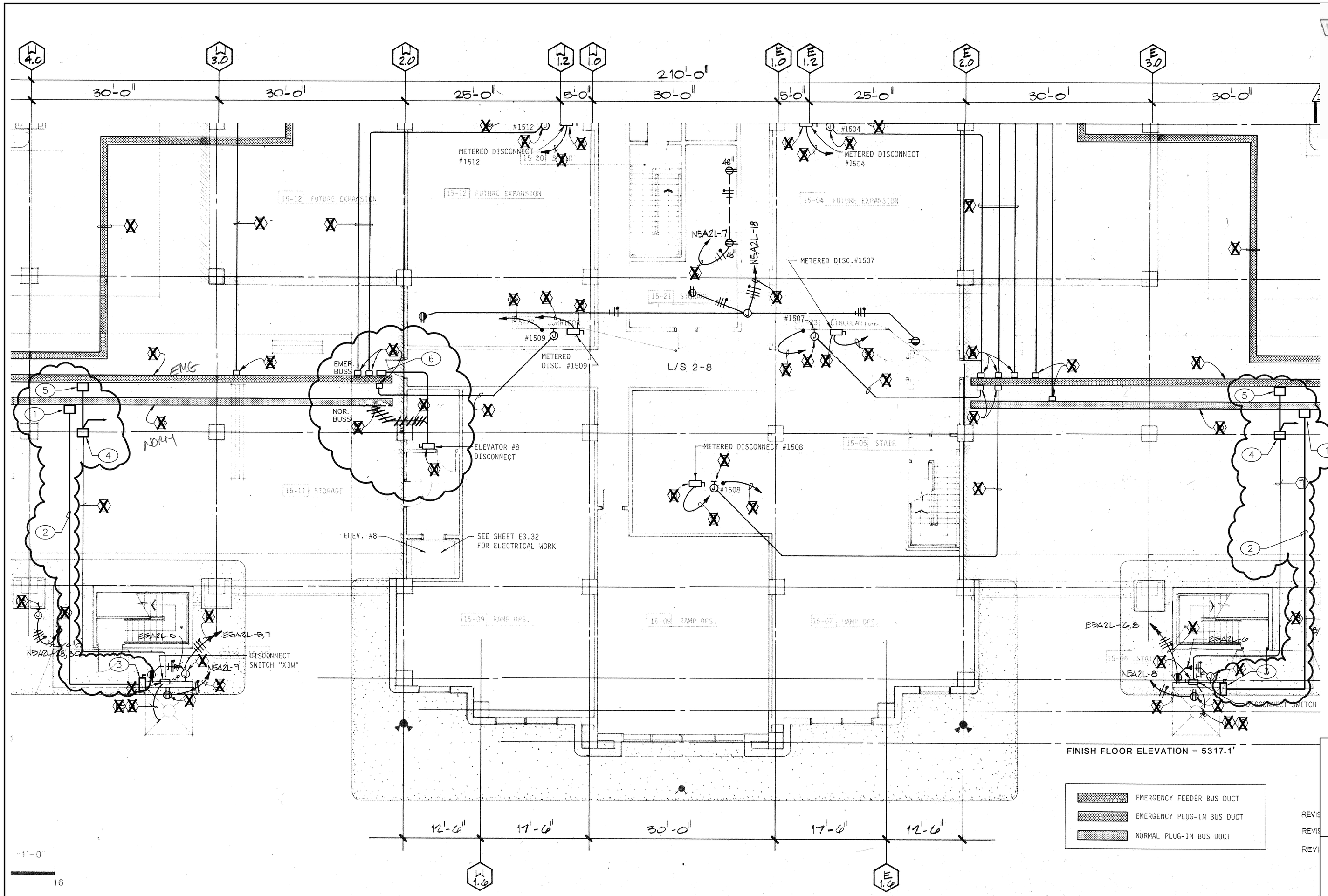
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.14A	79	124

26–725911.11–08



FINISH FLOOR ELEVATION - 5317.1'

EMERGENCY FEEDER BUS DUCT
EMERGENCY PLUG-IN BUS DUCT
NORMAL PLUG-IN BUS DUCT

KEYED NOTES:

1. PROVIDE PLUG-IN BUS CIRCUIT BREAKER. SEE POWER RISER DIAGRAM. PROVIDE LAMINATED SIGN ON WALL OR CEILING BELOW CIRCUIT BREAKER. SIGN SHALL INDICATE EQUIPMENT SERVED AND VOLTAGE.
2. POWER FEEDER. SEE POWER RISER AND FEEDER SCHEDULE ON DWG E8.4 THROUGH E8.9.
3. FUSIBLE DISCONNECT, 200A, 480V, 3 POLE, NEMA 3R ENCLOSURE. LABEL "LOADING BRIDGE HVAC DISCONNECT". FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH IN. CONNECTION TO LOADING BRIDGE HVAC UNIT WILL BE DONE IN A FUTURE PROJECT.
4. PROVIDE NEW SCREW COVER PULLBOX ABOVE CEILING, SIZE PER NEC. PULL EXISTING CONDUCTORS BACK TO NEW BOX AND EXTEND CONDUIT AND WIRE TO NEW BUS PLUG LOCATION AS SHOWN. REFER TO POWER RISER AND FEEDER SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE NEW CONTROLS CONTACTOR AT PULL BOX LOCATION TO INTERFACE WITH EXISTING BUILDING AUTOMATION SYSTEM FOR CONTROL OF LOADING BRIDGE POWER DURING EMERGENCY GENERATOR OPERATION EXTEND 3/4" CONDUIT FROM EXISTING LOADING BRIDGE CONTROL PANEL FOR RUN SIGNAL TO BAS. EXTEND 3/4"C FROM CONTACTOR LOCATION TO NEAREST COMM. CLOSET. COORDINATE ROUTING OF CONDUIT ON LOADING BRIDGE IN FIELD AND CONTROL WIRING WITH CONTROLS CONTRACTOR.
5. RELOCATE EXISTING LOADING BRIDGE PLUG-IN BUS CIRCUIT BREAKER FROM NORMAL POWER BUS TO EMERGENCY POWER BUS. MAKE ALL NECESSARY CONNECTIONS. REFER TO POWER RISER FOR ADDITIONAL INFORMATION.
6. RELOCATED EXISTING ELEVATOR #8 BUSS PLUG FROM NORMAL POWER BUSS TO EMERGENCY POWER BUSS. PROVIDE CONTROL INPUT TO ELEVATOR CONTROLLER, COORDINATE REQUIREMENTS WITH ELEVATOR SUPPLIER.

GENERAL NOTES:

A. REPAIR ANY DAMAGE DONE DURING RELOCATION AND INSTALLATION OF FEEDERS. PATCH TO MATCH EXISTING.

B. WORK SHOWN CLOUDED ON THESE DRAWING IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

C. (X) INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

PARTIAL POWER PLAN – 2nd LEVEL – CENTRAL CONCOURSE

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

KEY PLAN – FIRST
SCALE: NONE

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 - FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

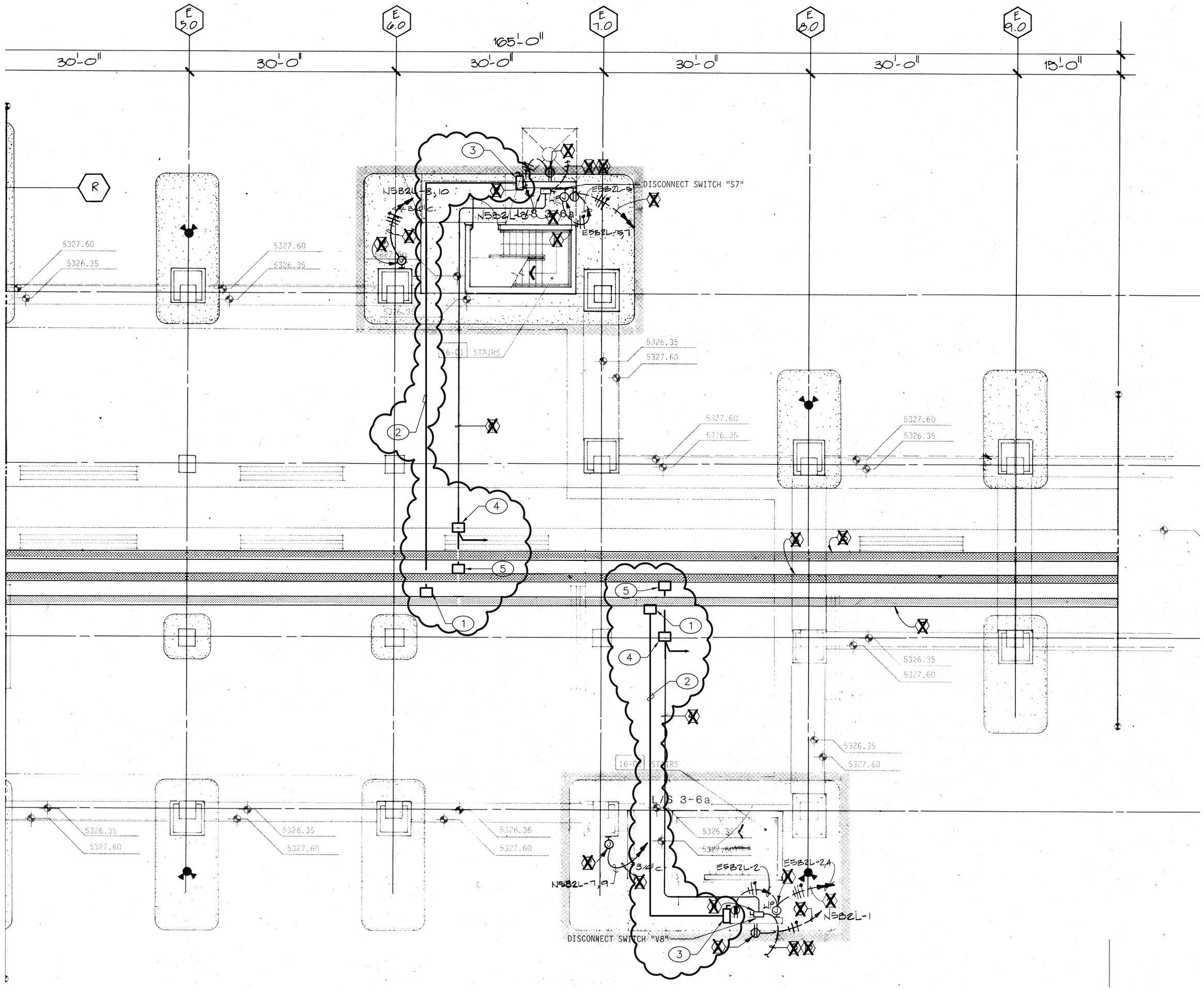
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
PARTIAL PP – 2nd LVL – CENT CONCOURSE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

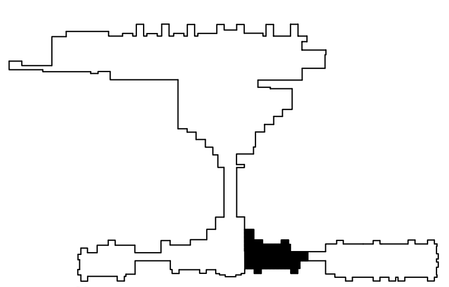
City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E3.15	80	124

26-725911.11-08



PARTIAL POWER PLAN – 2nd LEVEL – EAST CENTRAL CONCOURSE

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



KEY PLAN – FIRST

SCALE: NONE

2 6 – 7 2 5 9 . 1 1 – 0 8

GENERAL NOTES:

A. REPAIR ANY DAMAGE DONE DURING RELOCATION AND INSTALLATION OF FEEDERS. PATCH TO MATCH EXISTING.

B. WORK SHOWN CLOUDED ON THESE DRAWING IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

C. ⓧ INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

KEYED NOTES: ⬭

1. PROVIDE PLUG–IN BUS CIRCUIT BREAKER. SEE POWER RISER DIAGRAM. PROVIDE LAMINATED SIGN ON WALL OR CEILING BELOW CIRCUIT BREAKER. SIGN SHALL INDICATE EQUIPMENT SERVED AND VOLTAGE.
2. POWER FEEDER. SEE POWER RISER AND FEEDER SCHEDULE ON DWG E8.4 THROUGH E8.9.
3. FUSIBLE DISCONNECT. 200A, 480V, 3 POLE, NEMA 3R ENCLOSURE. LABEL "LOADING BRIDGE HVAC DISCONNECT". FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH IN. CONNECTION TO LOADING BRIDGE HVAC UNIT WILL BE DONE IN A FUTURE PROJECT.
4. PROVIDE NEW SCREW COVER PULLBOX ABOVE CEILING, SIZE PER NEC. PULL EXISTING CONDUCTORS BACK TO NEW BOX AND EXTEND CONDUIT AND WIRE TO NEW BUS PLUG LOCATION AS SHOWN. REFER TO POWER RISER AND FEEDER SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE NEW CONTROLS CONTACTOR AT PULL BOX LOCATION TO INTERFACE WITH EXISTING BUILDING AUTOMATION SYSTEM FOR CONTROL OF LOADING BRIDGE POWER DURING EMERGENCY GENERATOR OPERATION EXTEND 3/4" CONDUIT FROM EXISTING LOADING BRIDGE CONTROL PANEL FOR RUN SIGNAL TO BAS. EXTEND 3/4"C FROM CONTACTOR LOCATION TO NEAREST COMM. CLOSET. COORDINATE ROUTING OF CONDUIT ON LOADING BRIDGE IN FIELD AND CONTROL WIRING WITH CONTROLS CONTRACTOR.
5. RELOCATE EXISTING LOADING BRIDGE PLUG–IN BUS CIRCUIT BREAKER FROM NORMAL POWER BUS TO EMERGENCY POWER BUS. MAKE ALL NECESSARY CONNECTIONS. REFER TO POWER RISER FOR ADDITIONAL INFORMATION.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION

Contractor

Work Started By / Date

Acceptance By / Date

Verification By / Date

Drawings Corrected By / Date

MICRO–FILM INFORMATION

Recorded By / Date

No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS

No.	Date	Remarks	By

DESIGN

Designed By: ASCG Date:

Drawn By: ASCG Date:

Checked By: ASCG Date:

ASCG INCORPORATED

ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS

6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

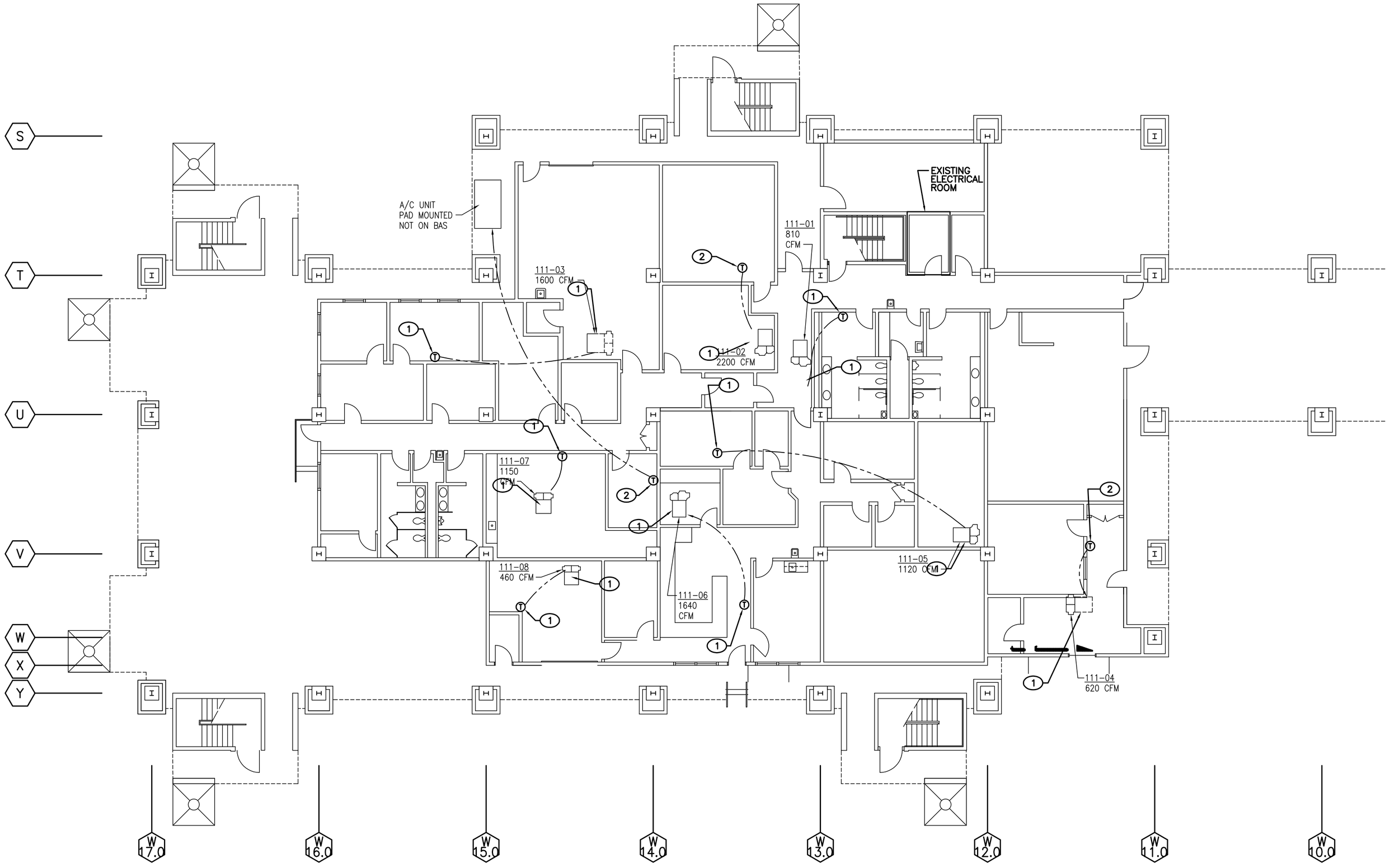
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

PARTIAL PP – 2nd LVL – E CENT CONCOURSE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.16	81	124



ELECTRICAL FLOOR PLAN – SECOND LEVEL

SCALE: 3/32" = 1'–0"

KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

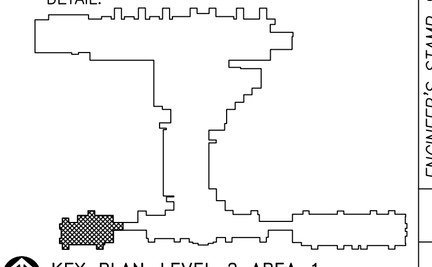
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 2 AREA 1
SCALE: NONE

ASCG
INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Staked By / Inspected By / Date
Acceptance By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER
I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. / Date / Remarks / By
DESIGN
Designed By: BPLW / Date:
Drawn By: BPLW / Date:
Checked By: BPLW / Date:

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

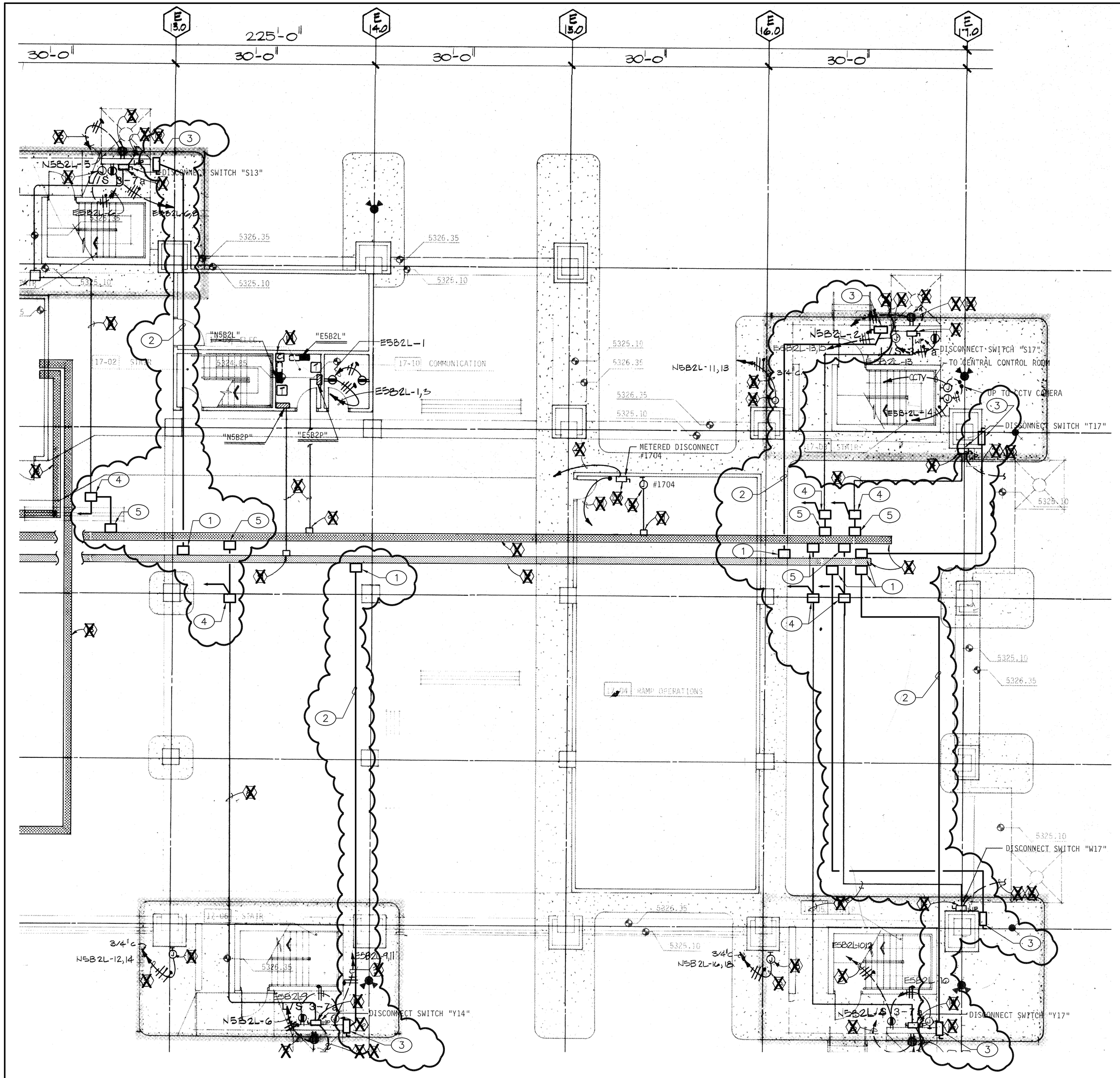
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

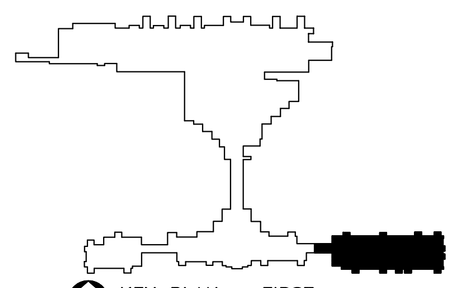
City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.16A	82	124

26–7259.11–08



PARTIAL POWER PLAN – 2nd LEVEL – EAST CONCOURSE

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



KEY PLAN – FIRST

SCALE: NONE

ABQ INTERNATIONAL SUNPORT

GENERAL NOTES:

A. REPAIR ANY DAMAGE DONE DURING RELOCATION AND INSTALLATION OF FEEDERS. PATCH TO MATCH EXISTING.

B. WORK SHOWN CLOUDED ON THESE DRAWING IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

C. (X) INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

KEYED NOTES: ⬭

1. PROVIDE PLUG–IN BUS CIRCUIT BREAKER. SEE POWER RISER DIAGRAM. PROVIDE LAMINATED SIGN ON WALL OR CEILING BELOW CIRCUIT BREAKER. SIGN SHALL INDICATE EQUIPMENT SERVED AND VOLTAGE.
2. POWER FEEDER. SEE POWER RISER AND FEEDER SCHEDULE ON DWG E8.4 THROUGH E8.9.
3. FUSIBLE DISCONNECT. 200A, 480V, 3 POLE, NEMA 3R ENCLOSURE. LABEL "LOADING BRIDGE HVAC DISCONNECT". FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH IN. CONNECTION TO LOADING BRIDGE HVAC UNIT WILL BE DONE IN A FUTURE PROJECT.
4. PROVIDE NEW SCREW COVER PULLBOX ABOVE CEILING, SIZE PER NEC. PULL EXISTING CONDUCTORS BACK TO NEW BOX AND EXTEND CONDUIT AND WIRE TO NEW BUS PLUG LOCATION AS SHOWN. REFER TO POWER RISER AND FEEDER SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE NEW CONTROLS CONTACTOR AT PULL BOX LOCATION TO INTERFACE WITH EXISTING BUILDING AUTOMATION SYSTEM FOR CONTROL OF LOADING BRIDGE POWER DURING EMERGENCY GENERATOR OPERATION EXTEND 3/4" CONDUIT FROM EXISTING LOADING BRIDGE CONTROL PANEL FOR RUN SIGNAL TO BAS. EXTEND 3/4"C FROM CONTACTOR LOCATION TO NEAREST COMM. CLOSET. COORDINATE ROUTING OF CONDUIT ON LOADING BRIDGE IN FIELD AND CONTROL WIRING WITH CONTROLS CONTRACTOR.
5. RELOCATE EXISTING LOADING BRIDGE PLUG–IN BUS CIRCUIT BREAKER FROM NORMAL POWER BUS TO EMERGENCY POWER BUS. MAKE ALL NECESSARY CONNECTIONS. REFER TO POWER RISER FOR ADDITIONAL INFORMATION.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

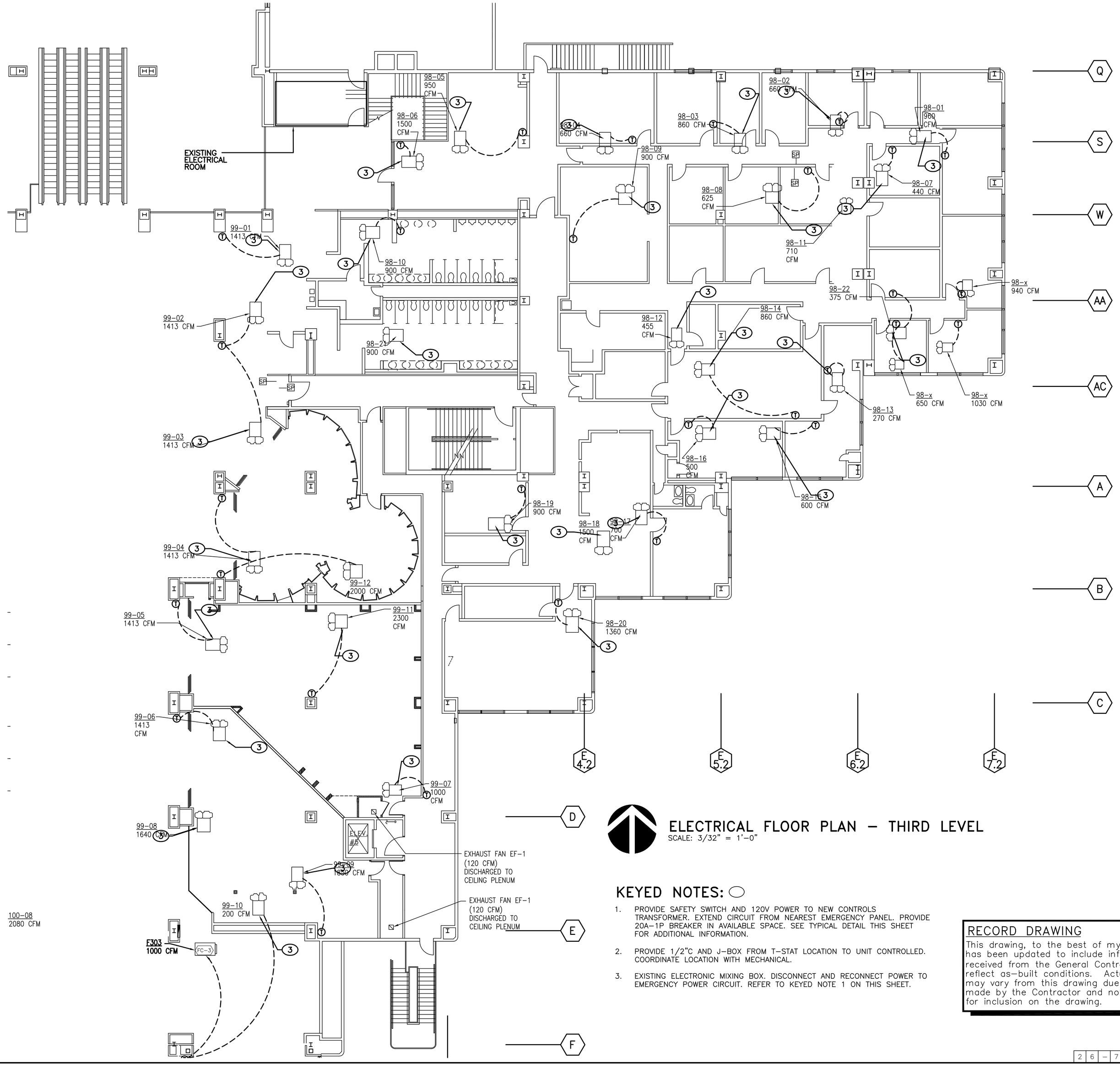
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
PARTIAL PP – 2nd LVL – EAST CONCOURSE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.17	83	124

2 6 – 7 2 5 9 . 1 1 – 0 8



ELECTRICAL FLOOR PLAN – THIRD LEVEL
SCALE: 3/32" = 1'-0"

KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

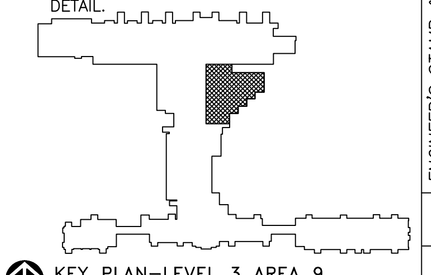
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 3 AREA 9
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: BPLW Date:
Drawn By: BPLW Date:
Checked By: BPLW Date:

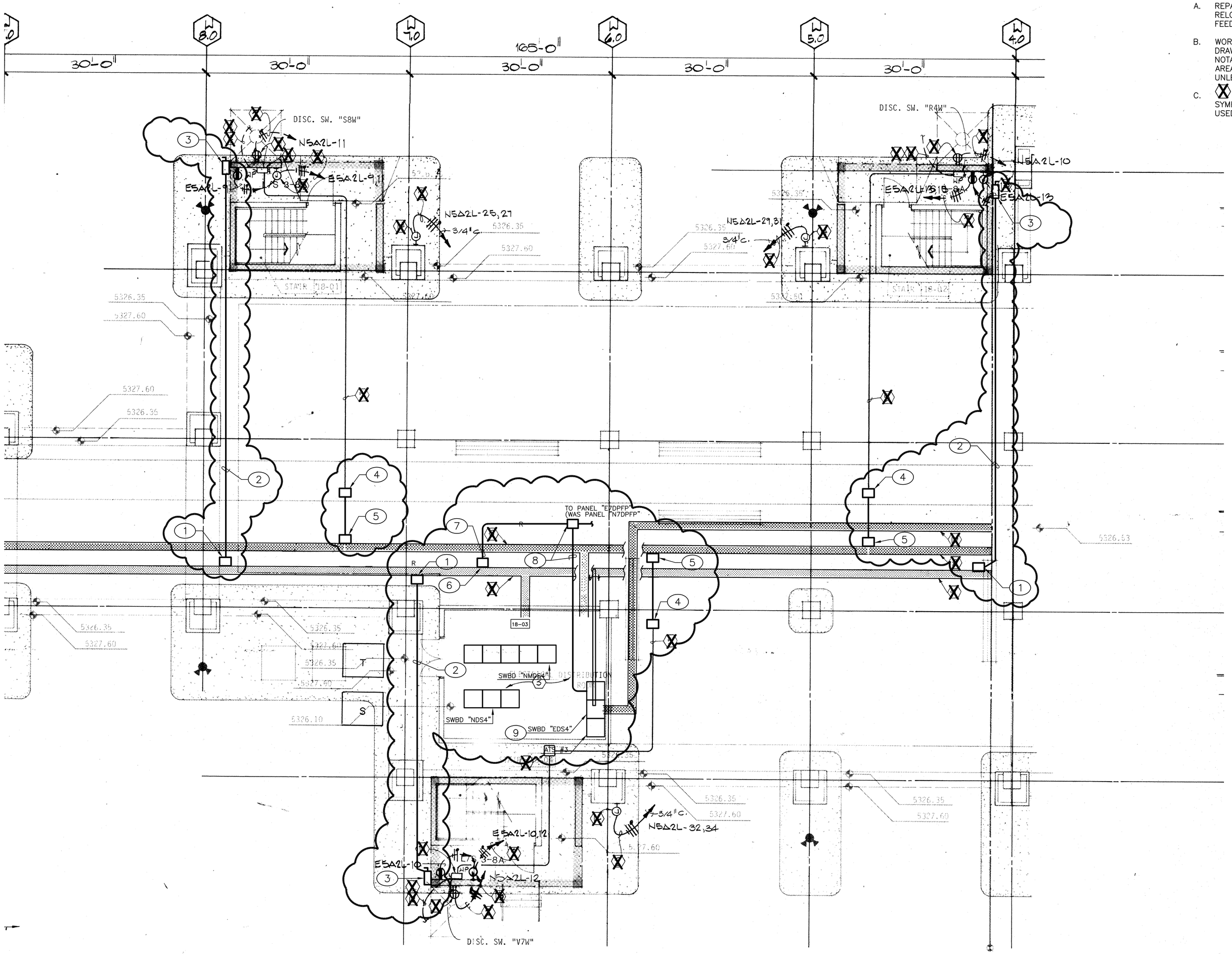
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.17A	84	124

2 6 – 7 2 5 9 . 1 1 – 0 8



PARTIAL POWER PLAN – 2nd LEVEL – WEST CENTRAL CONCOURSE

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

GENERAL NOTES:

A. REPAIR ANY DAMAGE DONE DURING RELOCATION AND INSTALLATION OF FEEDERS. PATCH TO MATCH EXISTING.

B. WORK SHOWN CLOUDED ON THESE DRAWING IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

C. (X) INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

KEYED NOTES: ( )

1. PROVIDE PLUG–IN BUS CIRCUIT BREAKER. SEE POWER RISER DIAGRAM. PROVIDE LAMINATED SIGN ON WALL OR CEILING BELOW CIRCUIT BREAKER. SIGN SHALL INDICATE EQUIPMENT SERVED AND VOLTAGE.
2. POWER FEEDER. SEE POWER RISER AND FEEDER SCHEDULE ON DWG E8.4 THROUGH E8.9.
3. FUSIBLE DISCONNECT. 200A, 480V, 3 POLE, NEMA 3R ENCLOSURE. LABEL "LOADING BRIDGE HVAC DISCONNECT". FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH IN. CONNECTION TO LOADING BRIDGE HVAC UNIT WILL BE DONE IN A FUTURE PROJECT.
4. PROVIDE NEW SCREW COVER PULLBOX ABOVE CEILING, SIZE PER NEC. PULL EXISTING CONDUCTORS BACK TO NEW BOX AND EXTEND CONDUIT AND WIRE TO NEW BUS PLUG LOCATION AS SHOWN. REFER TO POWER RISER AND FEEDER SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE NEW CONTROLS CONTACTOR AT PULL BOX LOCATION TO INTERFACE WITH EXISTING BUILDING AUTOMATION SYSTEM FOR CONTROL OF LOADING BRIDGE POWER DURING EMERGENCY GENERATOR OPERATION EXTEND 3/4" CONDUIT FROM EXISTING LOADING BRIDGE CONTROL PANEL FOR RUN SIGNAL TO BAS. EXTEND 3/4"C FROM CONTACTOR LOCATION TO NEAREST COMM. CLOSET. COORDINATE ROUTING OF CONDUIT ON LOADING BRIDGE IN FIELD AND CONTROL WIRING WITH CONTROLS CONTRACTOR.
5. RELOCATE EXISTING LOADING BRIDGE PLUG–IN BUS CIRCUIT BREAKER FROM NORMAL POWER BUS TO EMERGENCY POWER BUS. MAKE ALL NECESSARY CONNECTIONS. REFER TO POWER RISER FOR ADDITIONAL INFORMATION.
6. REMOVED EXISTING 600, 3P BUSS PLUG AND TURN OVER TO AIRPORT MANTANACE. PATCH CELING TO MATCH EXISTING.
7. REMOVE (2) 2 1/2" CONDUIT BACK TO NEW J–BOX. PULL EXISTING CONDUCTORS BACK TO NEW J–BOX.
8. ROVIDE NEW SCREW COVER PULLBOX ABOVE CEILING, SIZE PER NEC. PULL EXISTING CONDUCTORS BACK TO NEW BOX, SPLICE AND EXTEND 2 1/2" CONDUITS EACH WITH (4) 350 KCMIL AND 1–#1/0 GND. TO EXISTING SWITCH BOARD "EDS4".
9. PROVIDE NEW 600A, 3P BRAKER IN SWITCH BOARD "EDS4".

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION

Contractor — Date
Work Started By — Date
Work Finished By — Date
Acceptance By — Date
Field Verification By — Date
Drawings Corrected By — Date

MICRO–FILM INFORMATION

Recorded By — Date
No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

STATE OF NEW MEXICO — WILLIAM P. FOSTER — NO. 16439 — REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

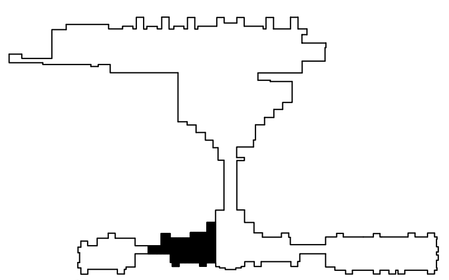
No.	Date	Remarks	By

REVISIONS

DESIGN — Date:
Designed By: ASCG — Date:
Drawn By: ASCG — Date:
Checked By: ASCG

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.



KEY PLAN – FIRST
SCALE: NONE

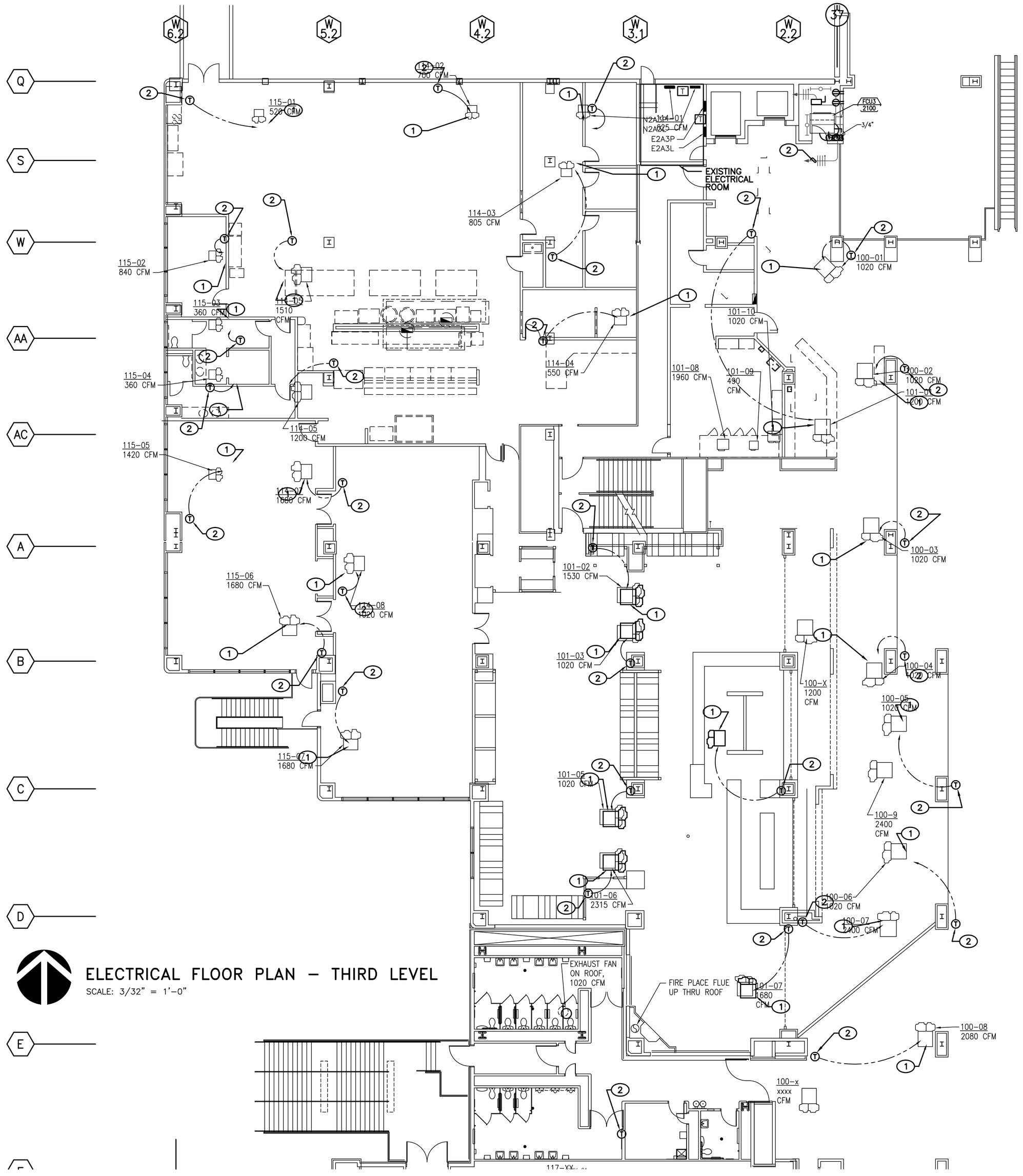
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
PARTIAL PP – 2nd LVL – W CENT CONCOURSE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.18	85	124

2 6 – 7 2 5 9 . 1 1 – 0 8



ELECTRICAL FLOOR PLAN – THIRD LEVEL

SCALE: 3/32" = 1'-0"

KEYED NOTES:

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.
4. REFEED EXISTING ELEVATOR #6 FROM N2A3P–38 TO EMERGENCY POWER BUSS. PROVIDE NEW 100A, 3P PLUG. INTERCEPT EXISTING FEEDER NEAR PANEL LOCATED IN ELECTRICAL RM. 25–04 NEAR COL. LINE 41/S. PROVIDE NEW SCREW COVER PULLBOX ABOVE CEILING, SIZE PER NEC. PULL EXISTING CONDUCTORS BACK TO NEW BOX, SPLICE AND EXTEND TO NEW BUSS PLUG. REFER TO PR–E04 FOR ADDITIONAL INFORMATION. EMERGENCY AND NORMAL POWER BUSS IS LOCATED IN LEVEL 1 BAGGAGE TUNNEL. PROVIDE CONTROL INPUT TO ELEVATOR CONTROLLER, COORDINATE REQUIREMENTS WITH ELEVATOR SUPPLIER.
5. EXTEND EXISTING 120V POWER CIRCUIT TO NEW RECEPTACLE. PROVIDE CORD AND PLUG FOR NEW CONDENSATE PUMP AND MAKE FINAL CONNECTIONS.
6. PROVIDE 30A, HD, FUSIBLE DISCONNECT SWITCH. COORDINATE MOUNTING WITH UNIT PROVIDED. FUSE PER MANUFACTURES RECOMMENDATIONS. EXTEND 3/4" CONDUIT WITH 3–#10 TO PANEL "E2C2L" PROVIDE NEW 30A–2P BREAKER IN AVAILABLE SPACE.
7. REMOVE EXISTING LIGHT FIXTURES FOR THIS AREA. PROVIDE NEW INDUSTRIAL FLUORESCENT FIXTURES WITH WIREGUARD METALUX # 1A–2/32–EB82–GW/IC–4FT–U OR EQUAL. CHAIN HANG FIXTURES AT 8' AFF. RECONNECT FIXTURES TO EXISTING LIGHTING CIRCUIT AND SWITCH FOR THIS AREA.

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

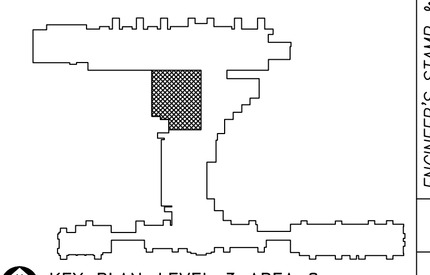
C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

F. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

G. COORDINATE ANY ADDITIONAL CONTROL CONDUITS WITH ELEVATOR PROVIDER.



KEY PLAN–LEVEL 3 AREA 8

SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS
No. | Date | By | Remarks

SURVEY INFORMATION
Field Notes
No. | Date | By

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | By | Remarks

DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

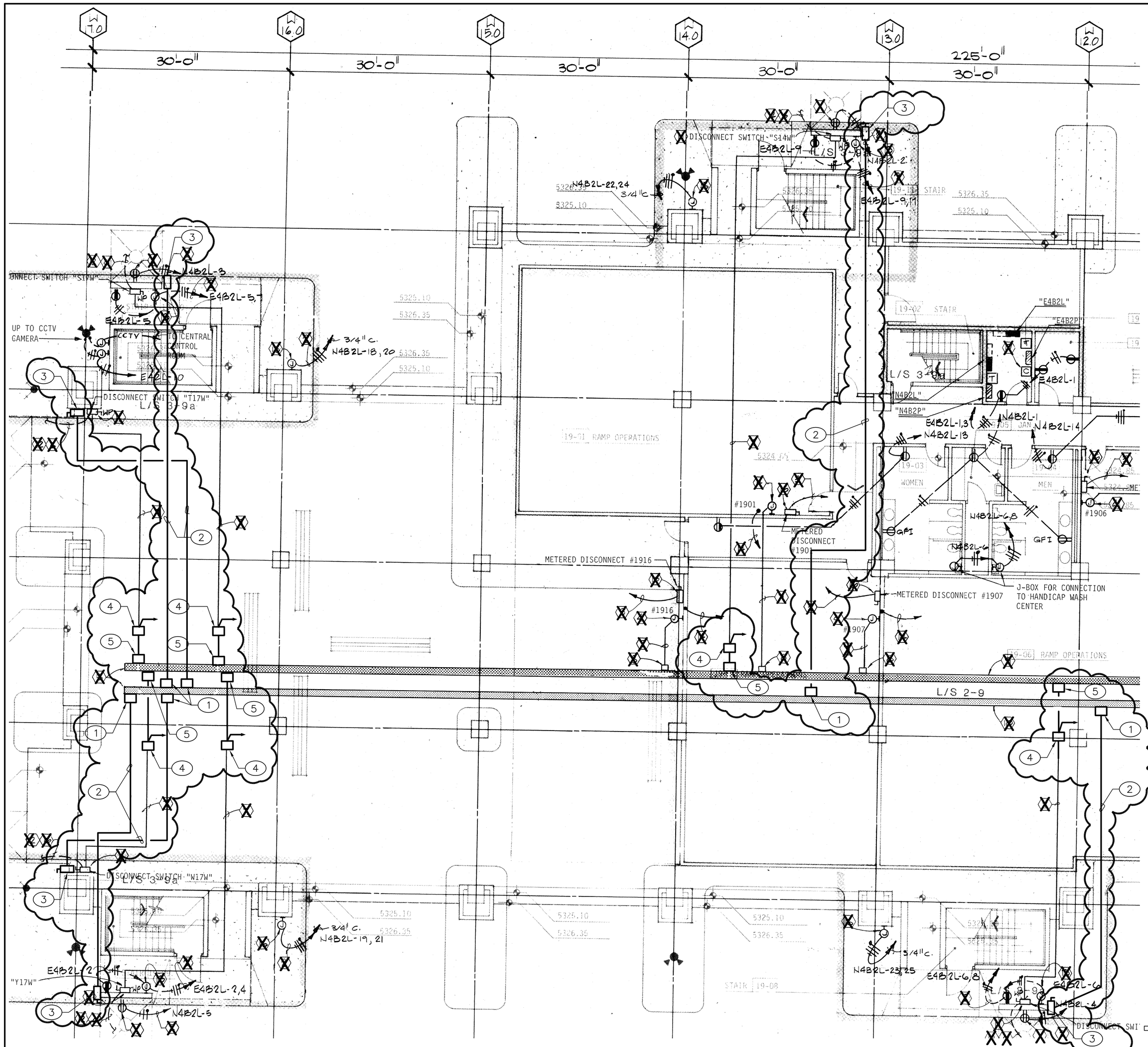
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.18A	86	124

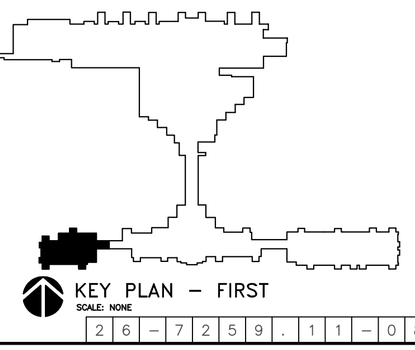
26–725911–1108



PARTIAL POWER PLAN – 2nd LEVEL – WEST CONCOURSE

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

ACCELERATED AUTHORIZATION PROGRAM



KEY PLAN – FIRST

SCALE: NONE

2 6 – 7 2 5 9 . 1 1 1 – 0 8

ABQ INTERNATIONAL SUNPORT

GENERAL NOTES:

A. REPAIR ANY DAMAGE DONE DURING RELOCATION AND INSTALLATION OF FEEDERS. PATCH TO MATCH EXISTING.

B. WORK SHOWN CLOUDED ON THESE DRAWING IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

C. (X) INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

KEYED NOTES: ⬭

1. PROVIDE PLUG–IN BUS CIRCUIT BREAKER. SEE POWER RISER DIAGRAM. PROVIDE LAMINATED SIGN ON WALL OR CEILING BELOW CIRCUIT BREAKER. SIGN SHALL INDICATE EQUIPMENT SERVED AND VOLTAGE.

2. POWER FEEDER. SEE POWER RISER AND FEEDER SCHEDULE ON DWG E8.4 THROUGH E8.9.

3. FUSIBLE DISCONNECT. 200A, 480V, 3 POLE, NEMA 3R ENCLOSURE. LABEL "LOADING BRIDGE HVAC DISCONNECT". FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH IN. CONNECTION TO LOADING BRIDGE HVAC UNIT WILL BE DONE IN A FUTURE PROJECT.

4. PROVIDE NEW SCREW COVER PULLBOX ABOVE CEILING, SIZE PER NEC. PULL EXISTING CONDUCTORS BACK TO NEW BOX AND EXTEND CONDUIT AND WIRE TO NEW BUS PLUG LOCATION AS SHOWN. REFER TO POWER RISER AND FEEDER SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE NEW CONTROLS CONTACTOR AT PULL BOX LOCATION TO INTERFACE WITH EXISTING BUILDING AUTOMATION SYSTEM FOR CONTROL OF LOADING BRIDGE POWER DURING EMERGENCY GENERATOR OPERATION EXTEND 3/4" CONDUIT FROM EXISTING LOADING BRIDGE CONTROL PANEL FOR RUN SIGNAL TO BAS. EXTEND 3/4"C FROM CONTACTOR LOCATION TO NEAREST COMM. CLOSET. COORDINATE ROUTING OF CONDUIT ON LOADING BRIDGE IN FIELD AND CONTROL WIRING WITH CONTROLS CONTRACTOR.

5. RELOCATE EXISTING LOADING BRIDGE PLUG–IN BUS CIRCUIT BREAKER FROM NORMAL POWER BUS TO EMERGENCY POWER BUS. MAKE ALL NECESSARY CONNECTIONS. REFER TO POWER RISER FOR ADDITIONAL INFORMATION.

AS BUILT INFORMATION

Contractor
Work Started By / Date
Substantial Completion By / Date
Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date

MICRO–FILM INFORMATION

Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

ASCG INCORPORATED

ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS

6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 • FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

REVISIONS

No.	Date	Remarks	By

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

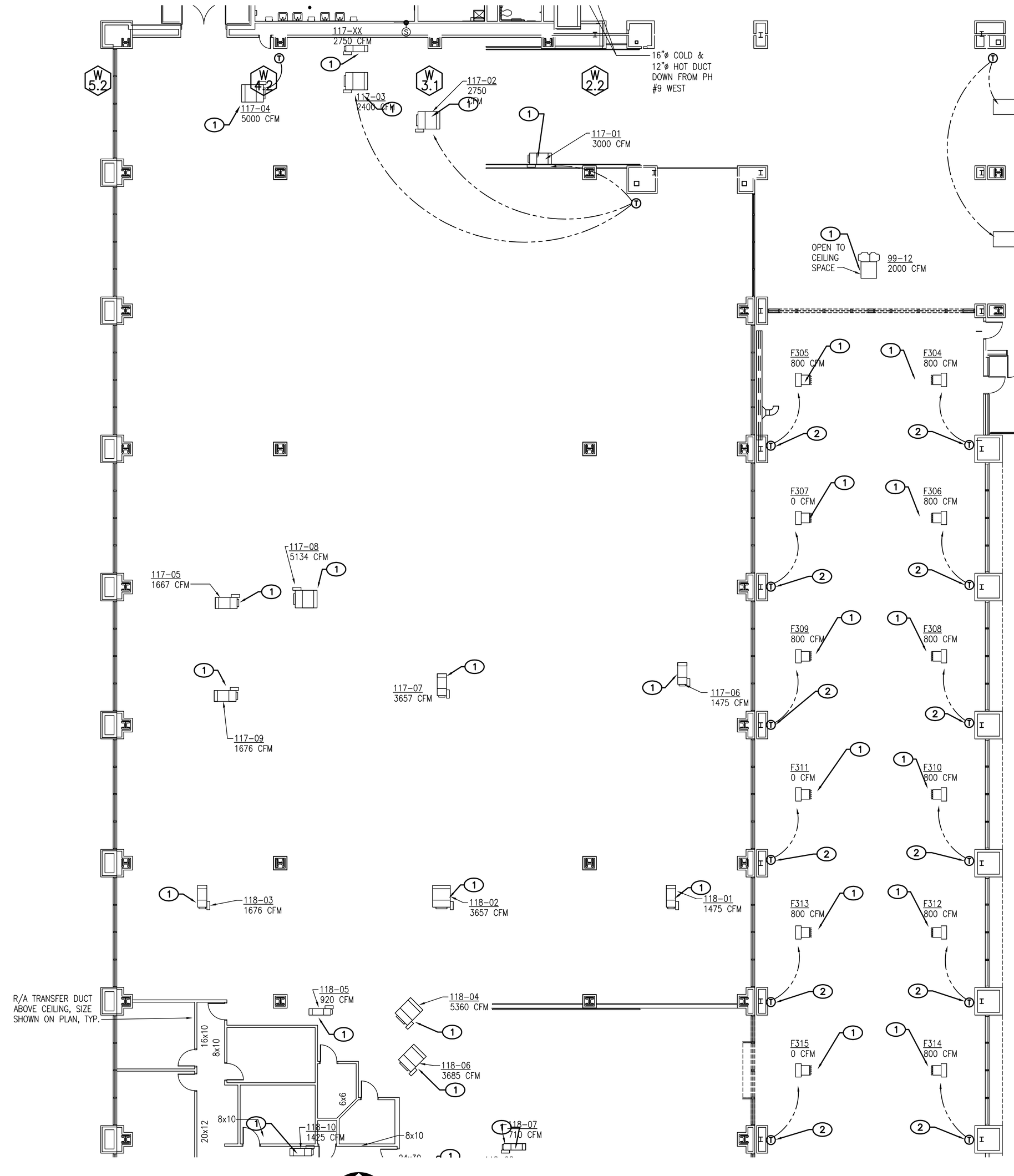
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

PARTIAL PP – 2nd LVL – WEST CONCOURSE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.19	87	124



KEYED NOTES:

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

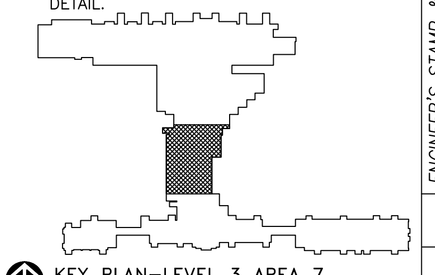
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 3 AREA 7
SCALE: NONE

ELECTRICAL FLOOR PLAN – THIRD LEVEL
SCALE: 3/32" = 1'–0"

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

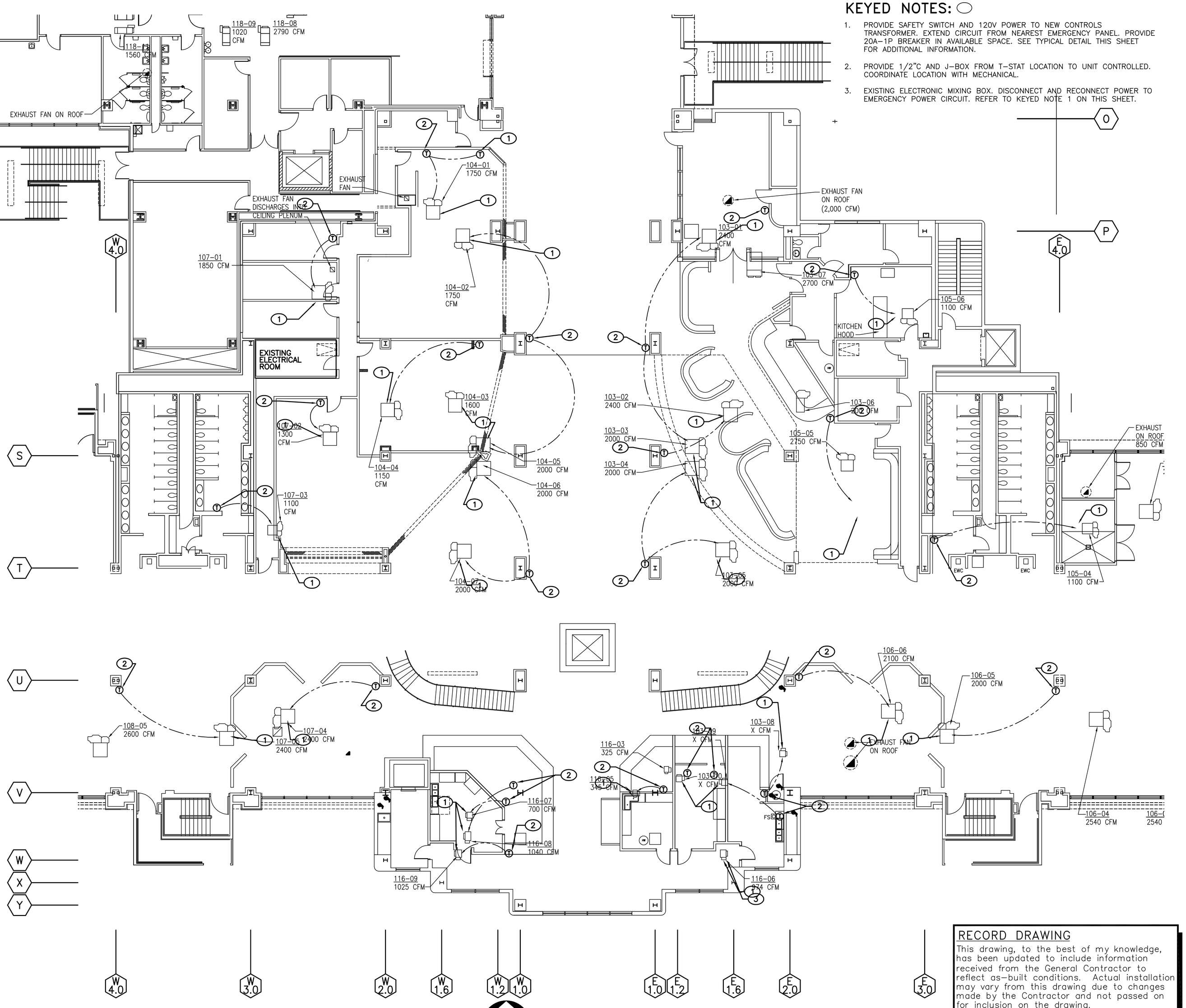
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.19A	88	124

26–725911–11–08



KEYED NOTES:

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

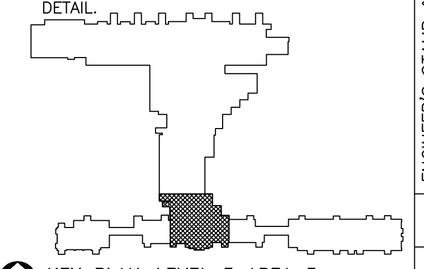
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 3 AREA 3
SCALE: NONE

ELECTRICAL FLOOR PLAN – THIRD LEVEL

SCALE: 3/32" = 1'–0"

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Stated By
Work Started
Acceptance By
Accepted
Verification By
Verified
Drawings Corrected By
Date
MICRO–FILM INFORMATION
Recorded By
Date
No.

BENCH MARKS
No. | Date | By

SURVEY INFORMATION
Field Notes
No. | Date | By

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

REVISIONS
No. | Date | By | Remarks
DESIGN
Designed By: BP.LW
Drawn By: BP.LW
Checked By: BP.LW
Date:
Date:
Date:

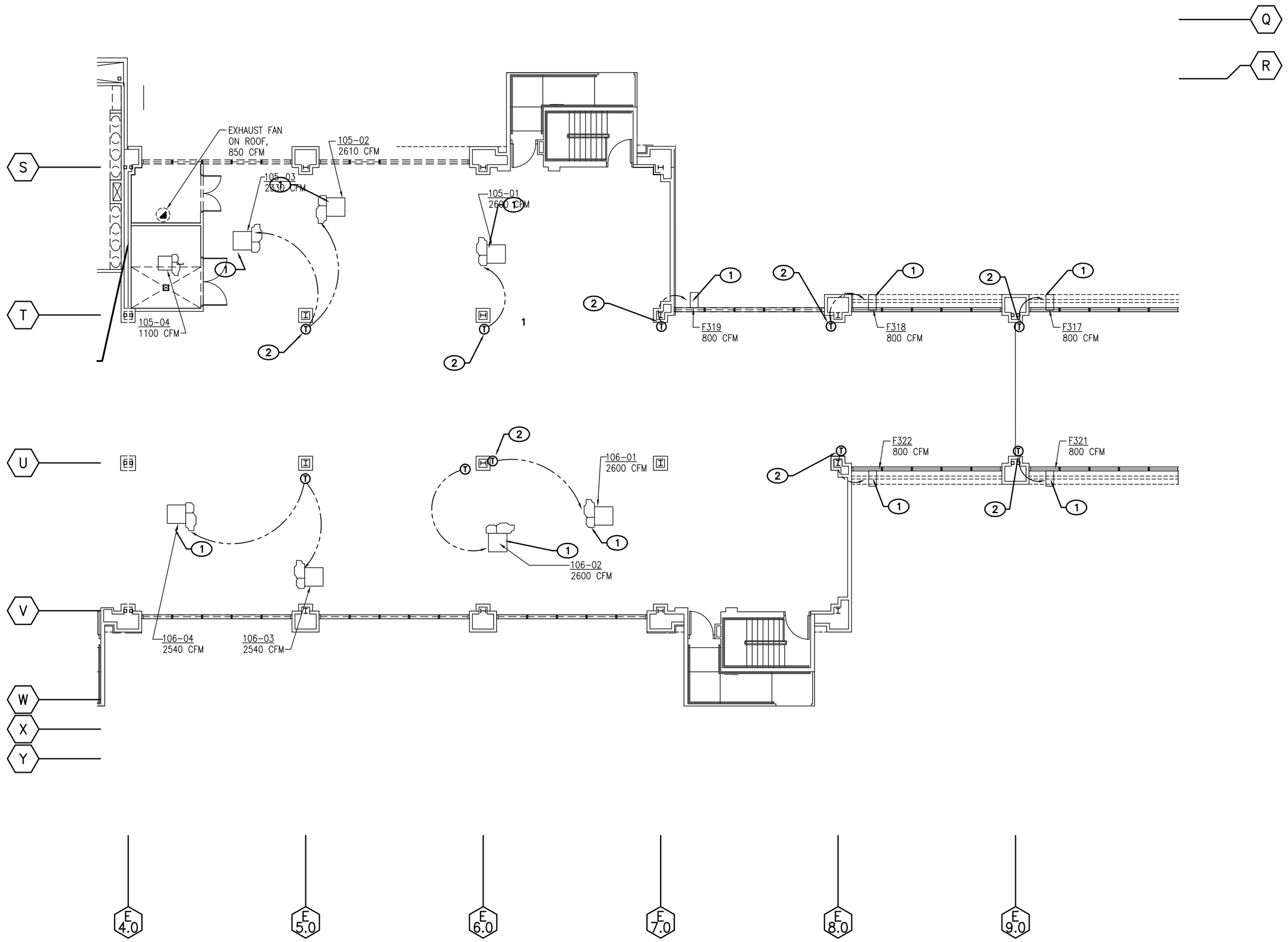
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.20	89	124

2 6 – 7 2 5 9 . 1 1 – 0 8



ELECTRICAL FLOOR PLAN – THIRD LEVEL

SCALE: 3/32" = 1'-0"

KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

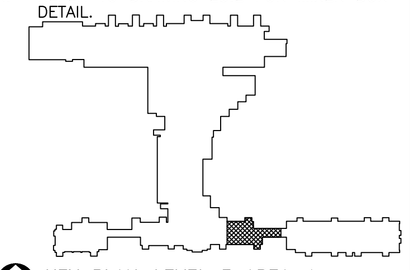
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 3 AREA 4
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Inspected By
Date
Acceptance By
Date
Verification By
Date
Drawings Corrected By
Date
MICRO–FILM INFORMATION
Recorded By
Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: BPLW
Drawn By: BPLW
Checked By: BPLW
Date:
Date:
Date:

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

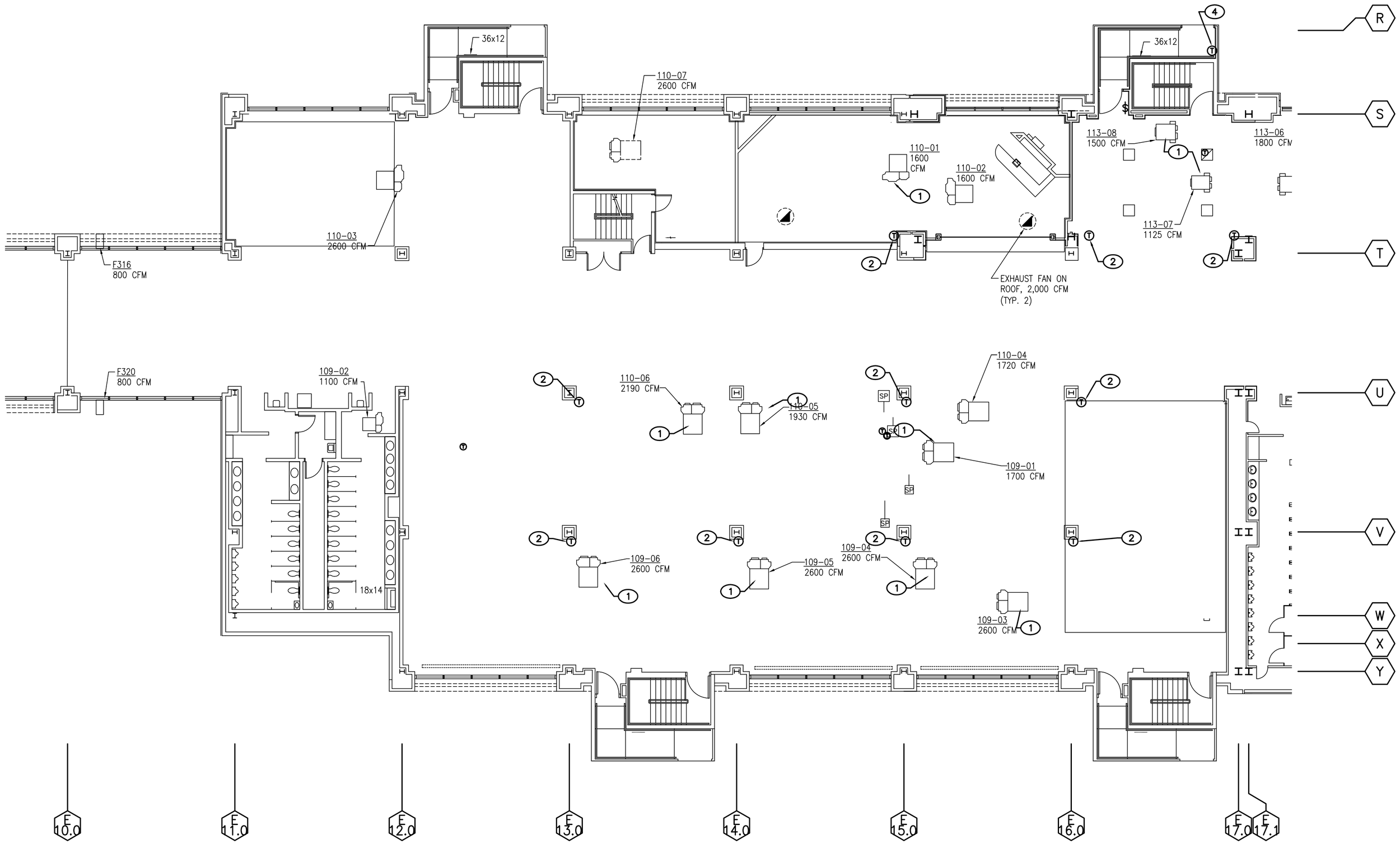
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.21	90	124

26–72591.11–08



ELECTRICAL FLOOR PLAN – THIRD LEVEL

SCALE: 3/32" = 1'–0"

KEYED NOTES:

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

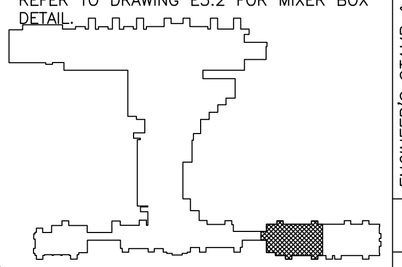
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 3 AREA 5
SCALE: NONE

ASCG
INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 • FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Inspected By / Date
Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS
No. / Date / By

SURVEY INFORMATION
Field Notes
No. / Date / By

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER
I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. / Date / Remarks / By
DESIGN
Designed By: BPLW Date:
Drawn By: BPLW Date:
Checked By: BPLW Date:

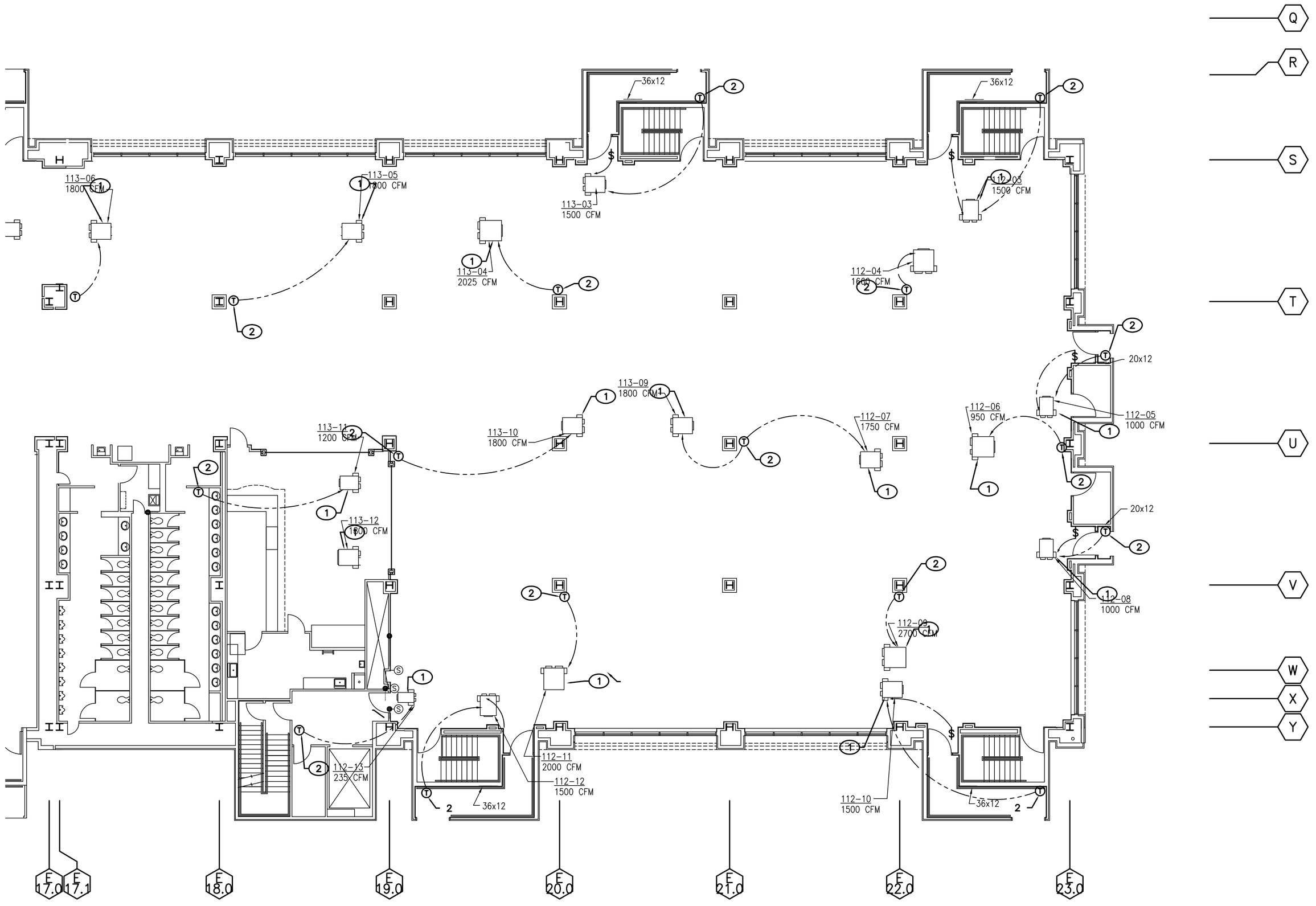
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
ELECTRICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.22	91	124

2 6 – 7 2 5 9 . 1 1 – 0 8



KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

ELECTRICAL FLOOR PLAN – THIRD LEVEL

SCALE: 3/32" = 1'–0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

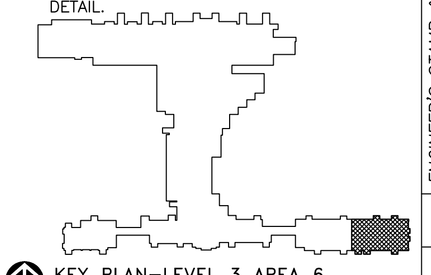
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 3 AREA 6
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER
I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. / Date / Remarks / By
DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

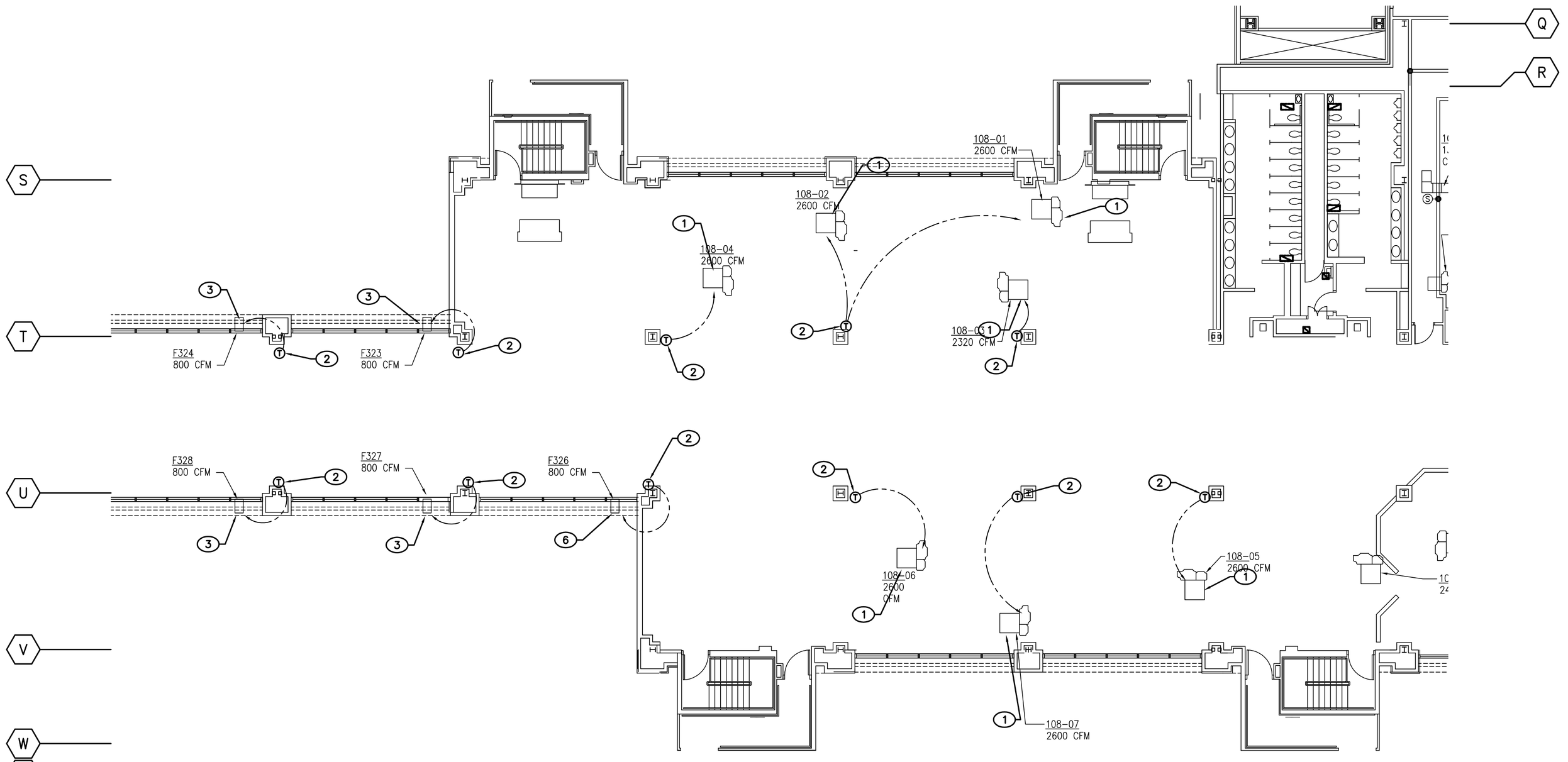
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

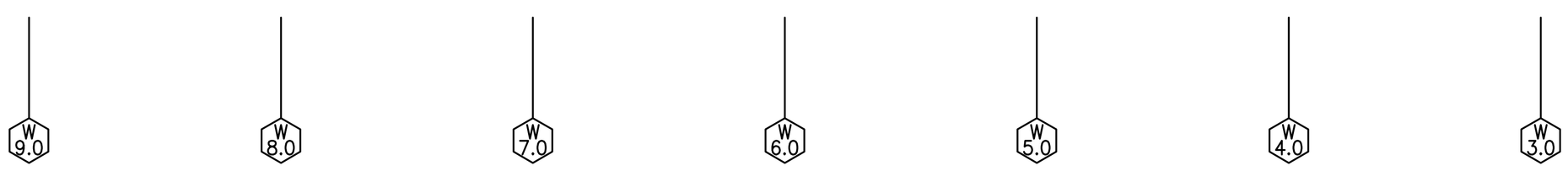
TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.22A	92	124

26–725911.11–08





KEYED NOTES:

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

ELECTRICAL FLOOR PLAN – THIRD LEVEL

SCALE: 3/32" = 1'–0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

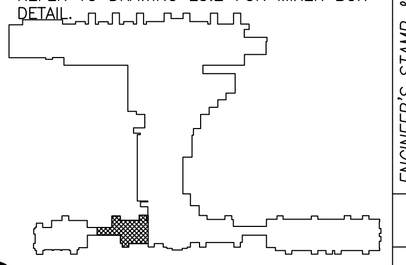
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 3 AREA 2
SCALE: NONE

ASCG
INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 • FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS

No.	Date	Remarks	By

DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

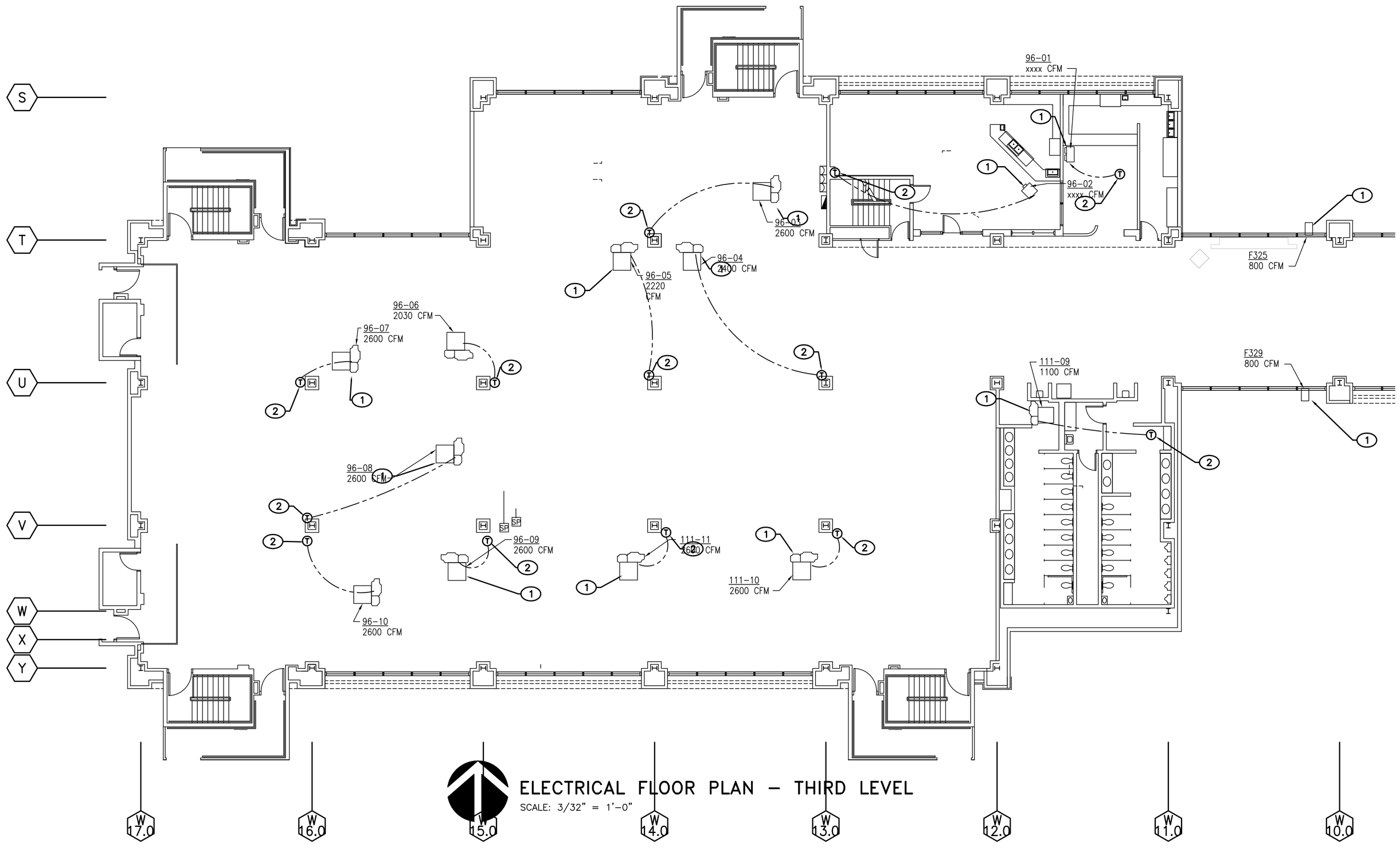
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT**
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.23	93	124

2 6 – 7 2 5 9 . 1 1 – 0 8



ELECTRICAL FLOOR PLAN – THIRD LEVEL

SCALE: 3/32" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

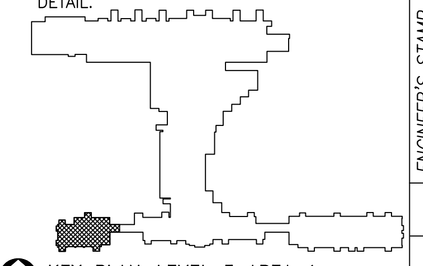
F. PROVIDE JUNCTION BOX FOR T-STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 3 AREA 1
SCALE: NONE

KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A-1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J-BOX FROM T-STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Inspected By / Date
Acceptance By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER
I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 • FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT**
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – THIRD LEVEL

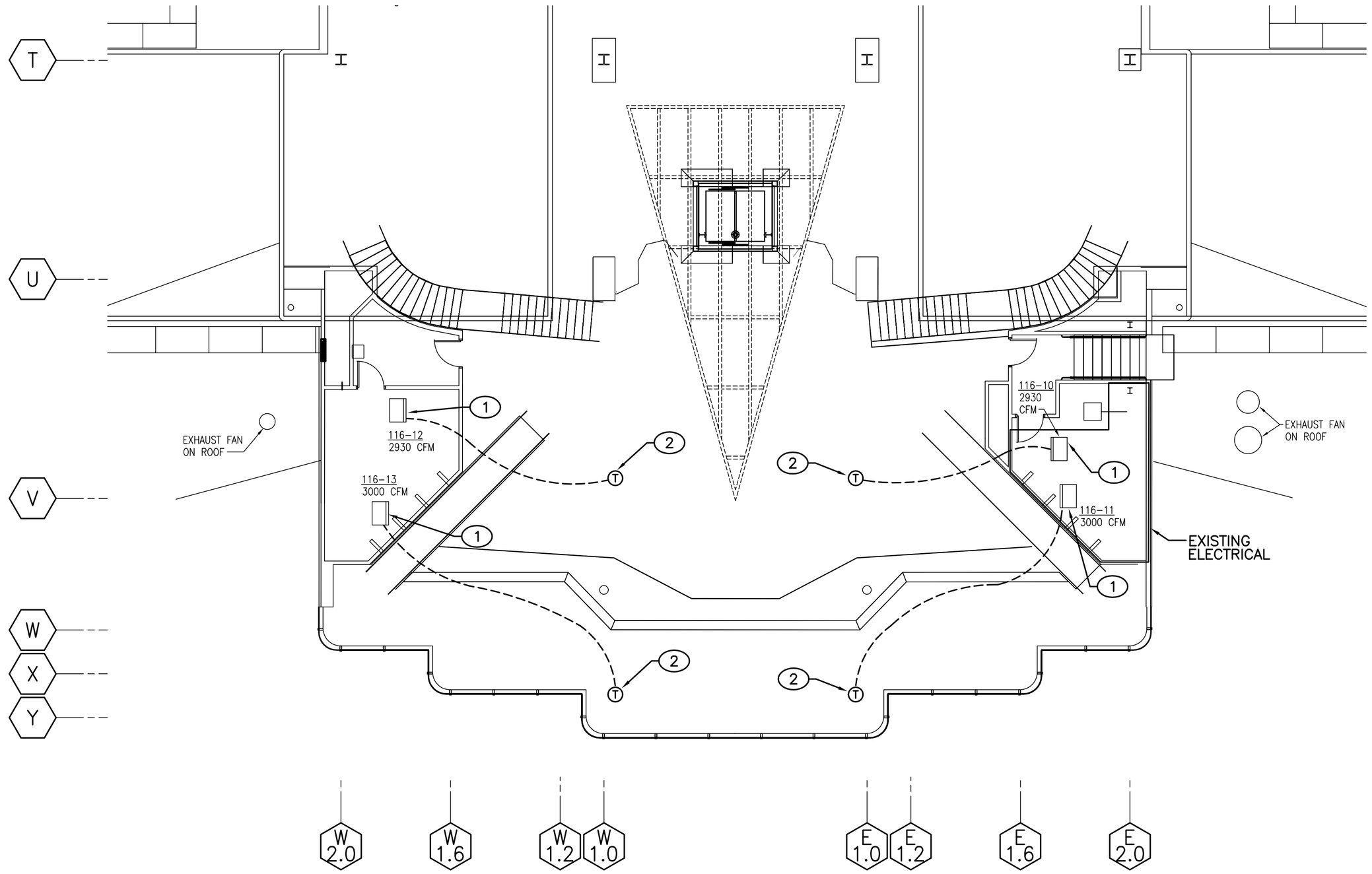
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E3.24	94	124

26-725911.11-08

KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.



ELECTRICAL FLOOR PLAN – FOURTH LEVEL

SCALE: 3/32" = 1'–0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

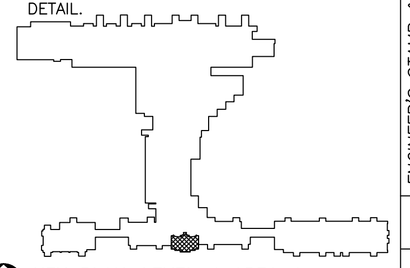
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL.



KEY PLAN–LEVEL 4 AREA 1
SCALE: NONE

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Acceptance By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | By | Remarks

DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

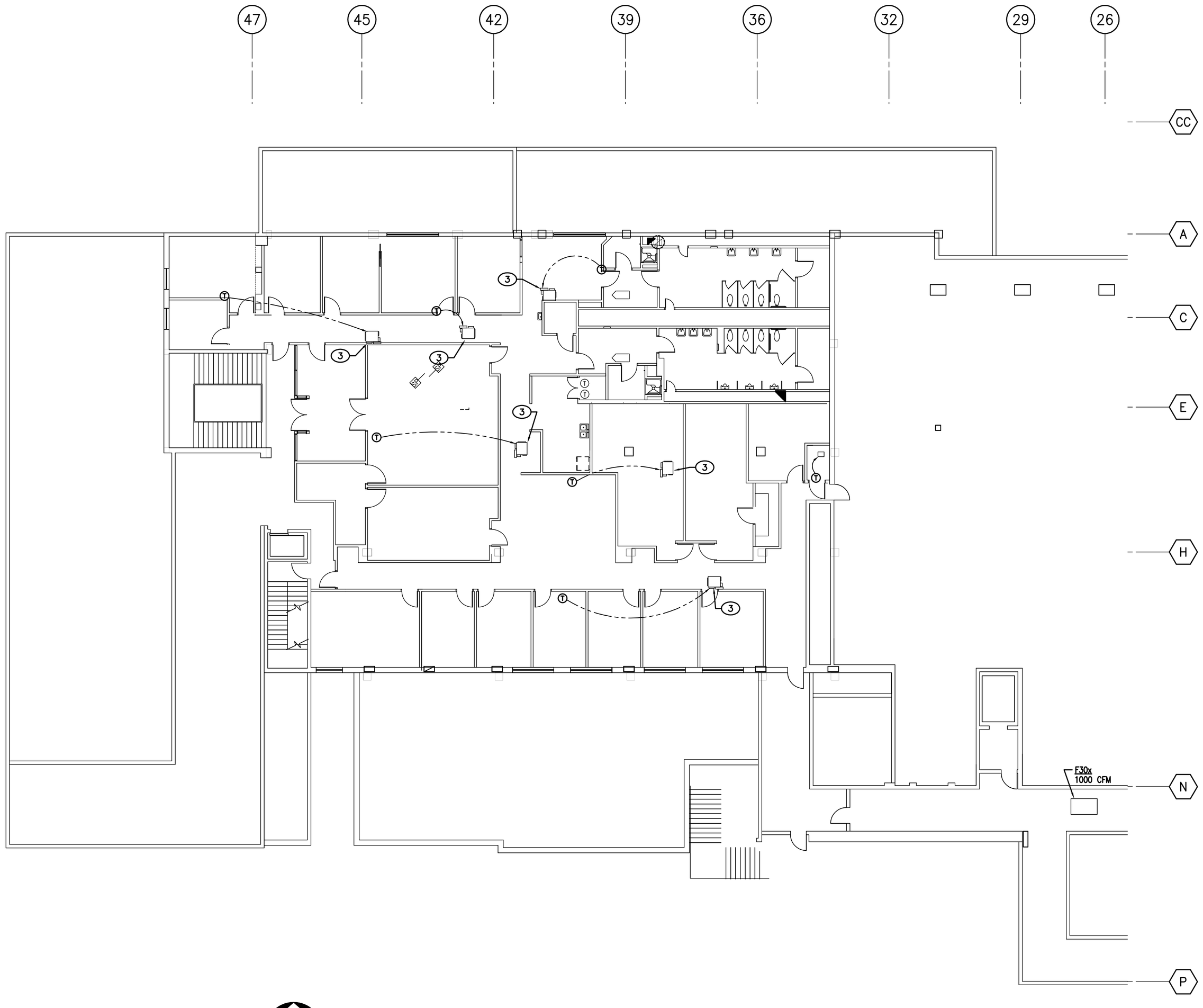
TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES

ELECTRICAL FLOOR PLAN – FOURTH LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.25	95	124

2 6 – 7 2 5 9 . 1 1 – 0 8



KEY PLAN–LEVEL 3 AREA 10
SCALE: NONE

ELECTRICAL FLOOR PLAN – THIRD LEVEL

SCALE: 3/32" = 1'–0"

KEYED NOTES: ⬭

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A–1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J–BOX FROM T–STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

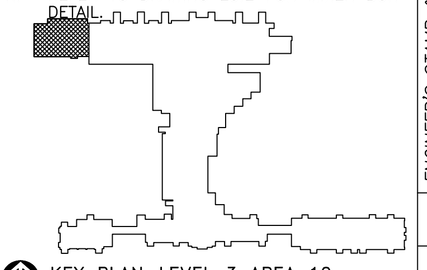
F. PROVIDE JUNCTION BOX FOR T–STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.

K. REFER TO DRAWING E3.2 FOR MIXER BOX DETAIL



ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Inspected By
Acceptance By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS
No. / Date

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER
I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. / Date / Remarks / By
DESIGN
Designed By: BPLW Date:
Drawn By: BPLW Date:
Checked By: BPLW Date:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E3.26	96	124

2 6 – 7 2 5 9 . 1 1 – 0 8

PANEL "EHB1" (EXISTING)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 250A MAINS | 200A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | 10,000 A.I.C. RMS SYM.

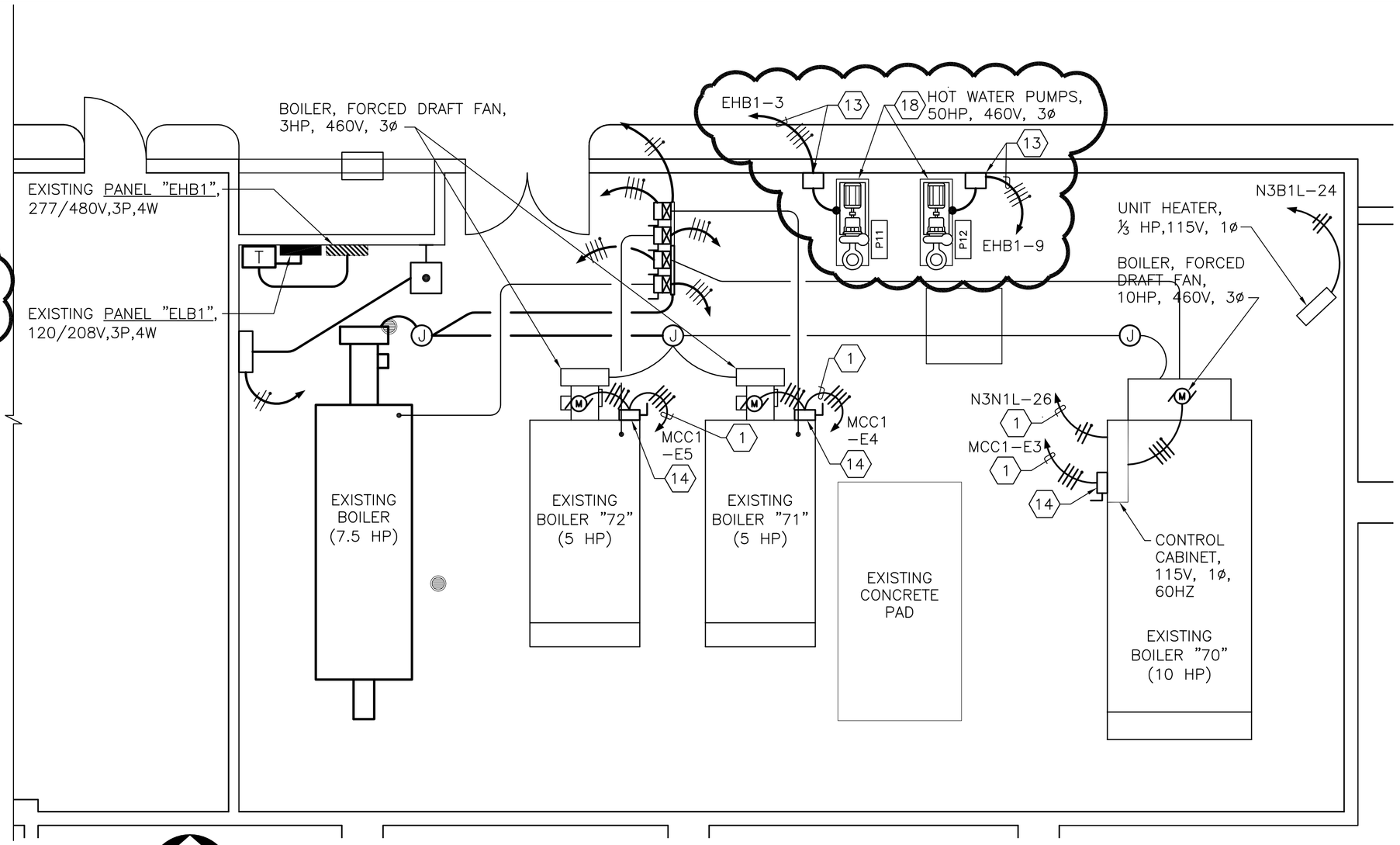
LOCATION: BOILER ROOM, ADJACENT TO 480V PANEL — FED FROM: 480V PANEL VIA XFMR.

CCT. NO.	DESCRIPTION	VA	BKR. AMP/POLE	φA	φB	φC	BKR. AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		16205	100	16926			15	721		2
* 3	HW PUMP #11	16205			16926			721	<FC1>	4 **
5		16205	3P			16926	3P	721		6
7		16205	100	16926			15	721		8
* 9	HW PUMP #12	16205			16926			721	<FC2>	10 **
11		16205	3P			16926	3P	721		12
13		16205						721		14
15	SPARE	–		–	–			–	SPARE	16
17		–	3P			–	3P	–		18
19		–	30	–			30	–		20
21	SPARE	–			–			–	SPARE	22
23		–	3P			–	3P	–		24
25		3047	20	5152			15	2105		26
27	NEW BOILER	3047			5152			2105	BOILER #71	28
29		3047	3P			5152	3P	2105		30
31		3878	25	5983			15	2105		32
33	BOILER #70	3878			5983			2105	BOILER #72	34
35		3878	3P			5983	3P	2105		36
37		–	15	–			–	–	SPACE	38
39	PANEL "ELB1"	500			500		–	–	SPACE	40
41		–	3P			–	–	–	SPACE	42
	CONNECTED LOAD (VA) PER PHASE			44987	45487	44987				

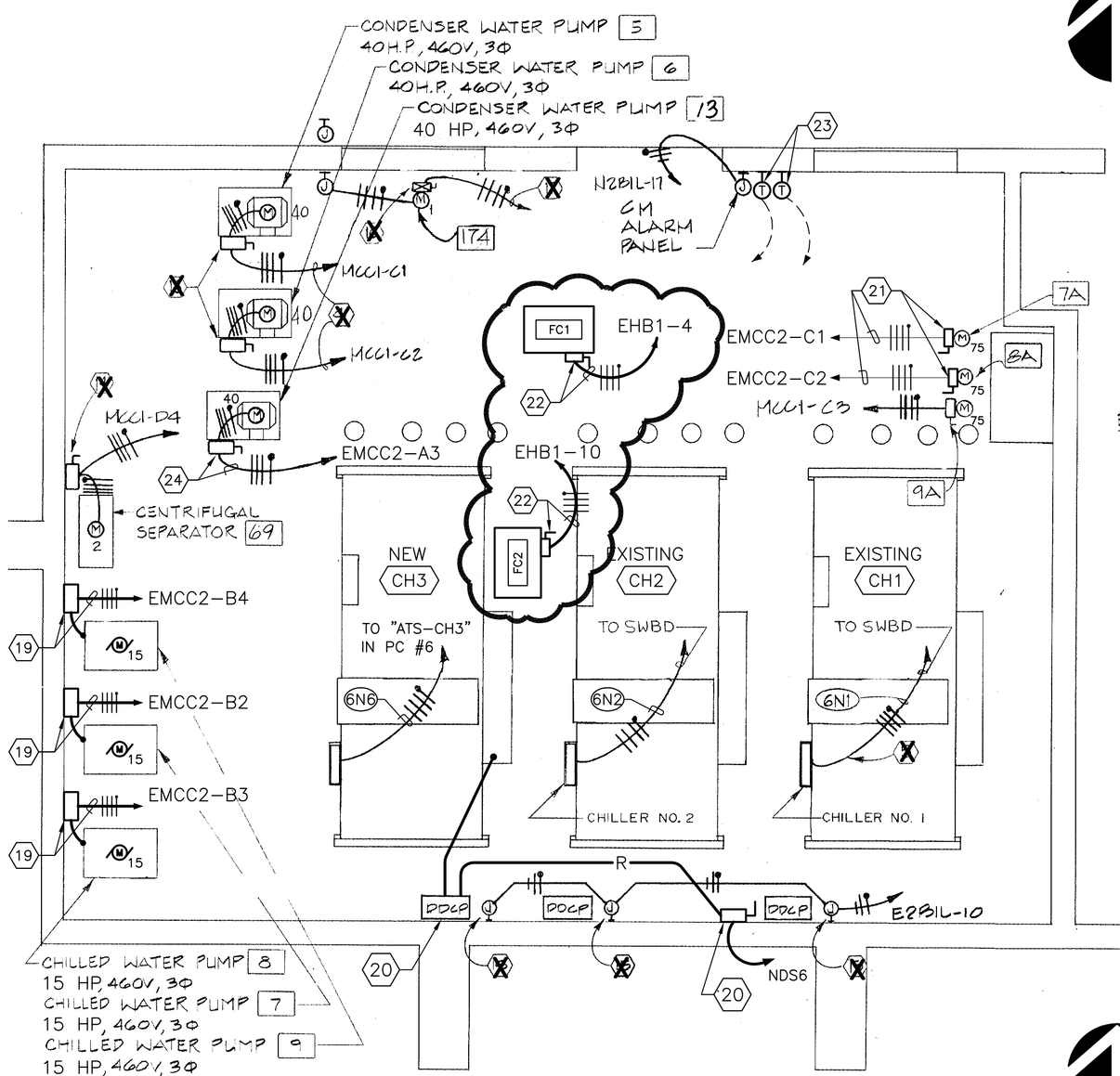
CONNECTED LOAD (AMPS) ON MAX PHASE = 164

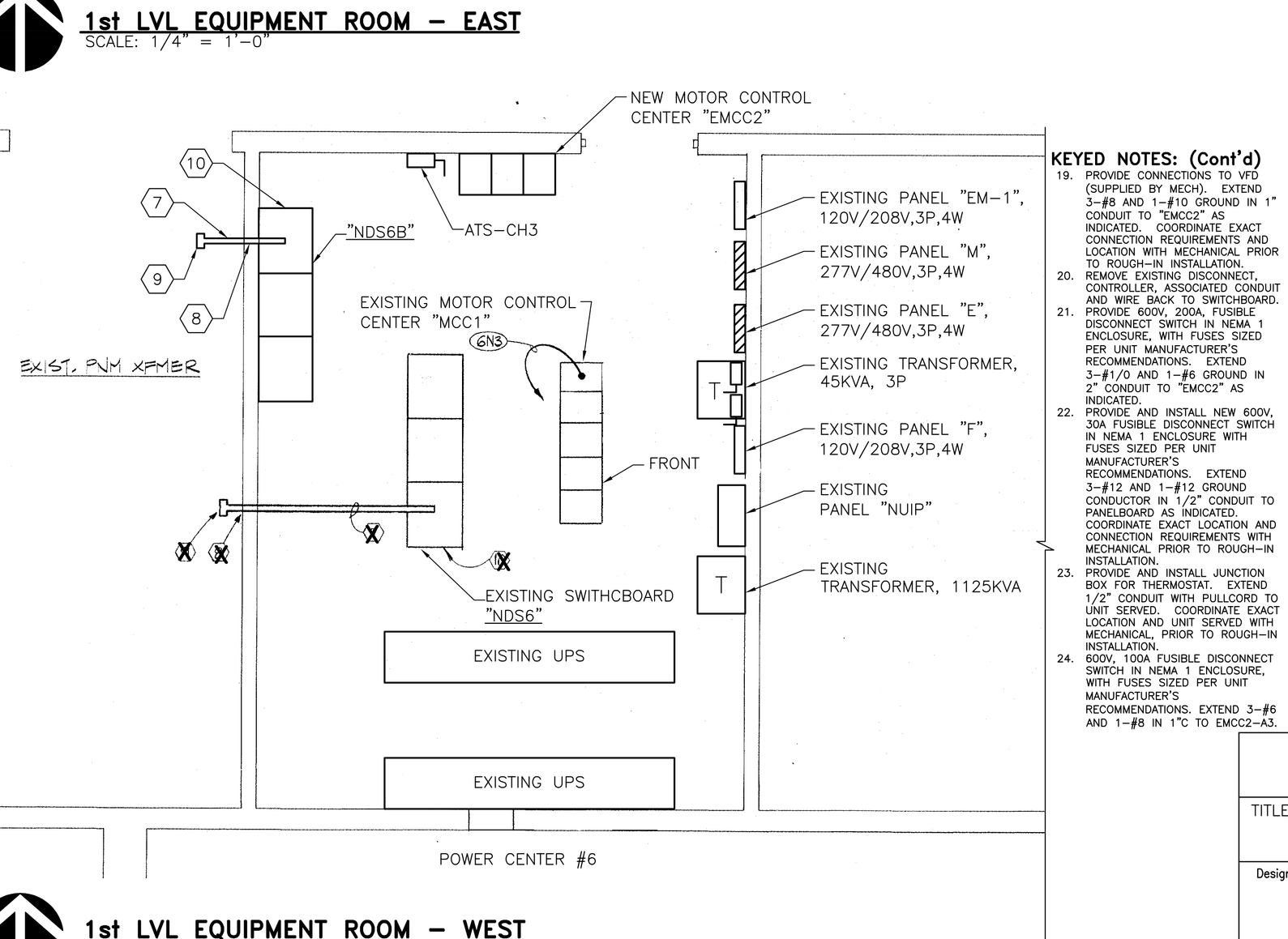
135461 TOTAL CONNECTED LOAD (VA)

* REMOVE EXISTING CIRCUIT BREAKER AND REPLACE WITH NEW 100A/3P
** REMOVE EXISTING CIRCUIT BREAKER AND REPLACE WITH NEW 15A/3P



1st LVL EQUIPMENT ROOM – EAST
SCALE: 1/4" = 1'-0"





1st LVL EQUIPMENT ROOM – WEST
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

C. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

D. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

E. ⓧ INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

KEYED NOTES: ⬡

1. 3#12 THHN & 1#10 GND. IN 3/4" CONDUIT.
2. 3#8 THHN & 1#10 GND. IN 1" CONDUIT.
3. 3#8 THHN & 1#8 GND. IN 1" CONDUIT.
4. 3#6 THHN & 1#6 GND. IN 1-1/4" CONDUIT.
5. (2) 4" CONDUITS EACH WITH 3-500MCM THHN & 1#1/0 GND.
6. 3#10 THHN & 1#10 GND. IN 3/4" CONDUIT.
7. FEEDER BUS DUCT, 2000A, TO PNM XFMR VAULT.
8. SEAL WALL PENETRATION WITH UL APPROVED FIRE STOP MATERIAL.
9. TRANSFORMER TAP FOR 1-3ø TRANSFORMER. CONNECTION BY PNM, CONTRACTOR TO COORDINATE ROUGH-IN WITH PNM.
10. SWITCHBOARD WITH METERING AND MAIN BREAKER. REF E8.19 FOR ONE LINE.
11. NOT USED.
12. 600V-100A/3P, 4W DISCONNECT SWITCH IN NEMA 1 ENCLOSURE.
13. PROVIDE CONNECTION TO NEW PUMP VFD. EXTEND 3-#4 AND 1-#6 GROUND IN 1 1/2" CONDUIT TO PANELBOARD AS INDICATED. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.
14. 600V-30A/3P, 4W DISCONNECT SWITCH IN NEMA 1 ENCLOSURE.
15. J-BOX FOR CONNECTION OF DDCP.
16. COMBINATION 480V STARTER/DISCONNECT NEMA SIZE 0 WITH H-O-A SELECTOR SWITCH, FVHR, CONTROLS TRANSFORMER, NEMA 1 ENCLOSURE.
17. HOMERUN 3#12, 1#10, 3/4" CONDUIT TO NEW 20A, 3P PLUG-IN CIRCUIT BREAKER ON EMERGENCY PLUG-IN BUS DUCT LOCATED IN BAGGAGE TUNNEL. SEE SHEET E3.3 FOR LOCATION OF PLUG-IN BUS DUCT. LABEL PLUG-IN C.B. PER EQUIPMENT SERVED.
18. DISCONNECT AND REMOVE EXISTING DISCONNECT SWITCH AND ASSOCIATED CONDUIT AND WIRE BACK TO ASSOCIATED PANEL, TO ACCOMMODATE NEW PUMPS.

KEYED NOTES: (Cont'd)

19. PROVIDE CONNECTIONS TO VFD (SUPPLIED BY MECH). EXTEND 3-#8 AND 1-#10 GROUND IN 1" CONDUIT TO "EMCC2" AS INDICATED. COORDINATE EXACT CONNECTION REQUIREMENTS AND LOCATION WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.
20. REMOVE EXISTING DISCONNECT, CONTROLLER, ASSOCIATED CONDUIT AND WIRE BACK TO SWITCHBOARD.
21. PROVIDE 600V, 200A, FUSIBLE DISCONNECT SWITCH IN NEMA 1 ENCLOSURE, WITH FUSES SIZED PER UNIT MANUFACTURER'S RECOMMENDATIONS. EXTEND 3-#1/0 AND 1-#6 GROUND IN 2" CONDUIT TO "EMCC2" AS INDICATED.
22. PROVIDE AND INSTALL NEW 600V, 30A FUSIBLE DISCONNECT SWITCH IN NEMA 1 ENCLOSURE WITH FUSES SIZED PER UNIT MANUFACTURER'S RECOMMENDATIONS. EXTEND 3-#12 AND 1-#12 GROUND CONDUCTOR IN 1/2" CONDUIT TO PANELBOARD AS INDICATED. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.
23. PROVIDE AND INSTALL JUNCTION BOX FOR THERMOSTAT. EXTEND 1/2" CONDUIT WITH PULLCORD TO UNIT SERVED. COORDINATE EXACT LOCATION AND UNIT SERVED WITH MECHANICAL, PRIOR TO ROUGH-IN INSTALLATION.
24. 600V, 100A FUSIBLE DISCONNECT SWITCH IN NEMA 1 ENCLOSURE, WITH FUSES SIZED PER UNIT MANUFACTURER'S RECOMMENDATIONS. EXTEND 3-#6 AND 1-#8 IN 1"C TO EMCC2-A3.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes By / Date
No.

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS

No.	Date	Remarks	By
		DESIGN	Date:
		Designed By: ASCG	Date:
		Drawn By: ASCG	Date:
		Checked By: ASCG	

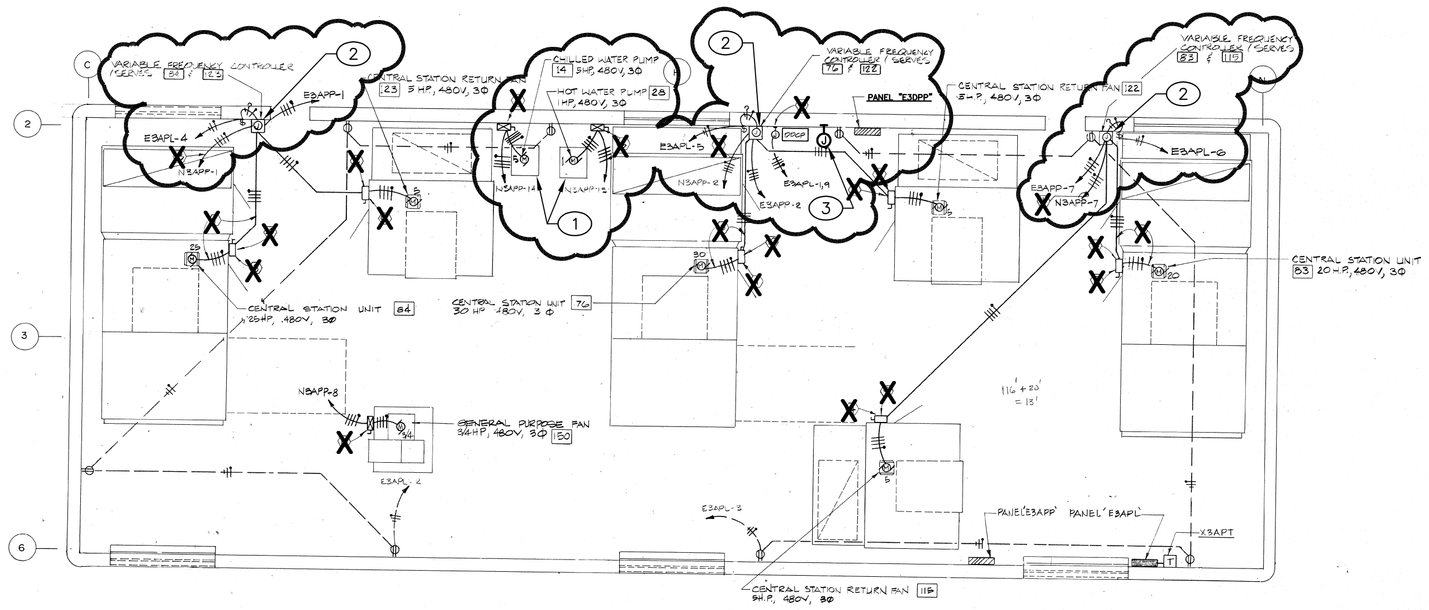
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
FIRST LEVEL – BAGGAGE TUNNEL

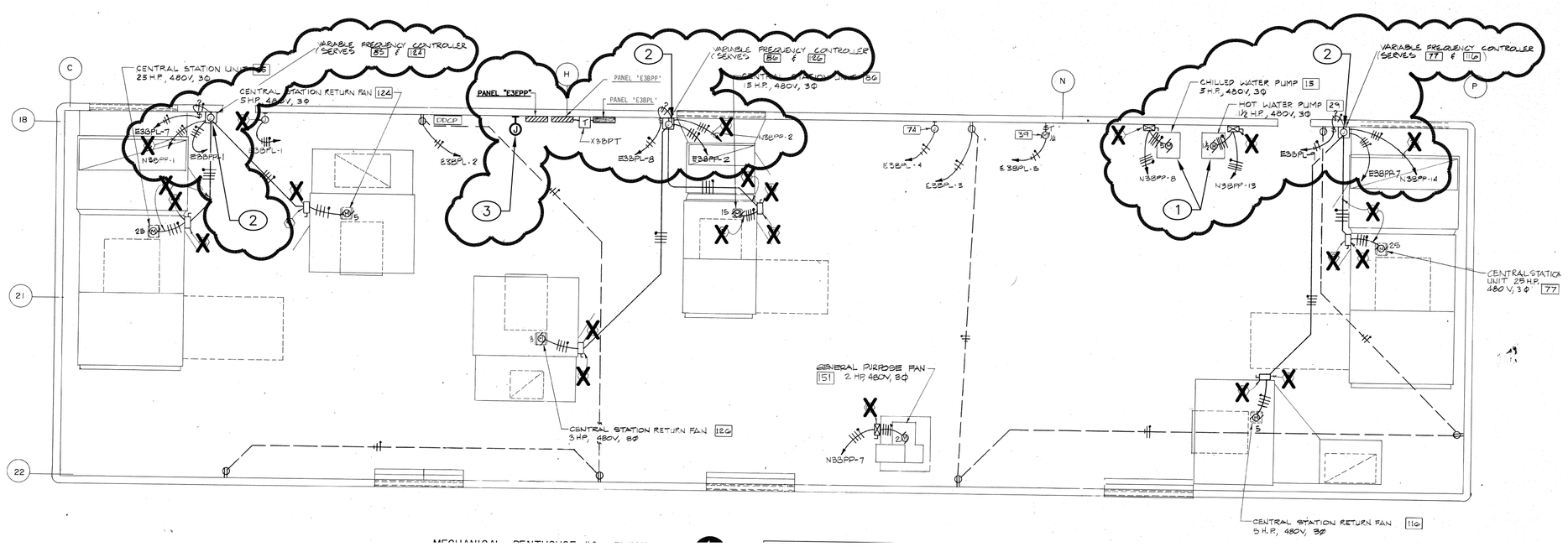
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.2A	97	124

26-725911.11-08



MECHANICAL PENTHOUSE #1 – POWER PLAN
SCALE: 1/8" = 1'-0"



MECHANICAL PENTHOUSE #2 – POWER PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTES:

1. EXISTING HVAC PUMPS TO BE REMOVED. REMOVE ALL ASSOCIATED DISCONNECTS, CONDUIT AND WIRE BACK TO SOURCE PANEL. MAKE BREAKERS SPARE. COORDINATE LOCATION OF PUMPS WITH MECHANICAL.
2. EXISTING VFD'S TO BE REMOVED AND REPLACED WITH TWO (2) NEW VFD'S ONE FOR THE AHU SUPPLY FAN AND ONE FOR THE ASSOCIATED RETURN FAN. PROVIDE 4"x4"x30" WIREWAY ABOVE EXISTING VFD TO INTERCEPT EXISTING POWER, FIRE ALARM AND CONTROL WIRING. EXTEND EXISTING CIRCUITRY TO NEW VFD'S. NEW VFD UNIT WILL BE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. COORDINATE EXACT LOCATION, SEQUENCING AND CONTROLS WITH MECHANICAL CONTRACTOR. REFER TO DRAWING E7.15 THROUGH E7.19 FOR PANEL SCHEDULE'S.
3. PROVIDE JUNCTION BOX FOR CONNECTION TO CONTROL PANEL. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. IT IS THE INTENT OF THIS DESIGN TO RE-FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE-LABELED AS SHOWN ON THIS FLOOR PLAN. REFER TO RISER DIAGRAMS FOR ADDITIONAL DETAIL REGARDING EXISTING AND NEW PANELBOARD DESIGNATIONS AND FEEDER INFORMATION.

C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

F. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

G. (X) INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

REVISIONS
No. | Date | By | Remarks
DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

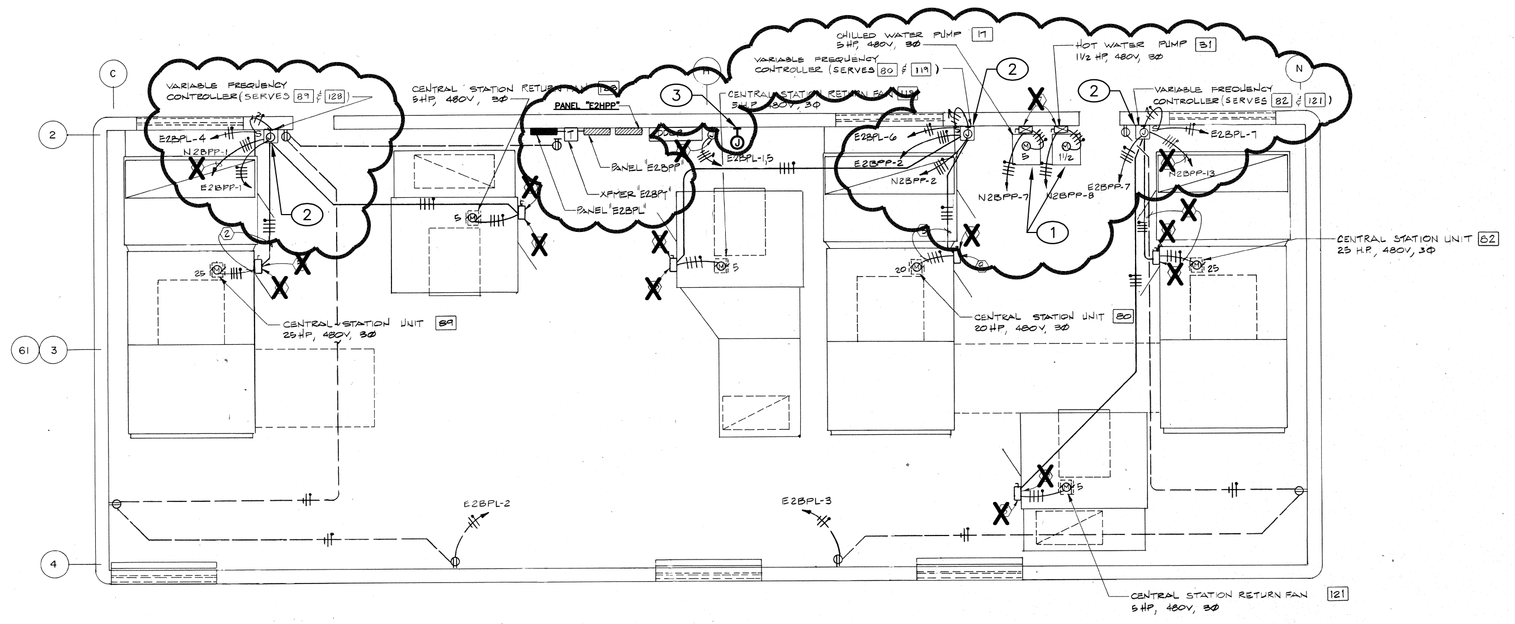
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
PENTHOUSE POWER PLANS

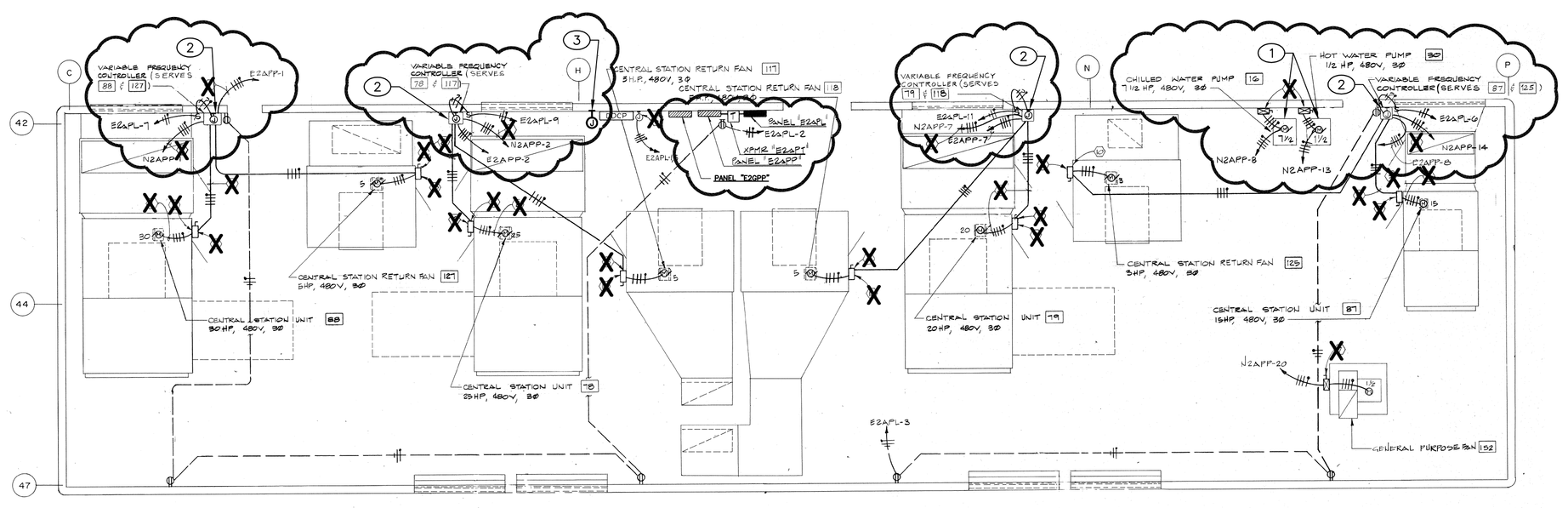
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.3	98	124

26-7259.11-08



MECHANICAL PENTHOUSE #4 – POWER PLAN
SCALE: 1/8" = 1'-0"



MECHANICAL PENTHOUSE #3 – POWER PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTES:

1. EXISTING HVAC PUMPS TO BE REMOVED. REMOVE ALL ASSOCIATED DISCONNECTS, CONDUIT AND WIRE BACK TO SOURCE PANEL. MAKE BREAKERS SPARE. COORDINATE LOCATION OF PUMPS WITH MECHANICAL.
2. EXISTING VFD'S TO BE REMOVED AND REPLACED WITH TWO (2) NEW VFD'S ONE FOR THE AHU SUPPLY FAN AND ONE FOR THE ASSOCIATED RETURN FAN. PROVIDE 4"x4"x30" WIREWAY ABOVE EXISTING VFD TO INTERCEPT EXISTING POWER, FIRE ALARM AND CONTROL WIRING. EXTEND EXISTING CIRCUITRY TO NEW VFD'S. NEW VFD UNIT WILL BE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. COORDINATE EXACT LOCATION, SEQUENCING AND CONTROLS WITH MECHANICAL CONTRACTOR. REFER TO DRAWING E7.15 THROUGH E7.19 FOR PANEL SCHEDULE'S.
3. PROVIDE JUNCTION BOX FOR CONNECTION TO CONTROL PANEL. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. IT IS THE INTENT OF THIS DESIGN TO RE-FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE-LABELED AS SHOWN ON THIS FLOOR PLAN. REFER TO RISER DIAGRAMS FOR ADDITIONAL DETAIL REGARDING EXISTING AND NEW PANELBOARD DESIGNATIONS AND FEEDER INFORMATION.

C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

F. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

G. (X) INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Stated By / Date
Inspected & Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

REVISIONS

No.	Date	Remarks	By

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

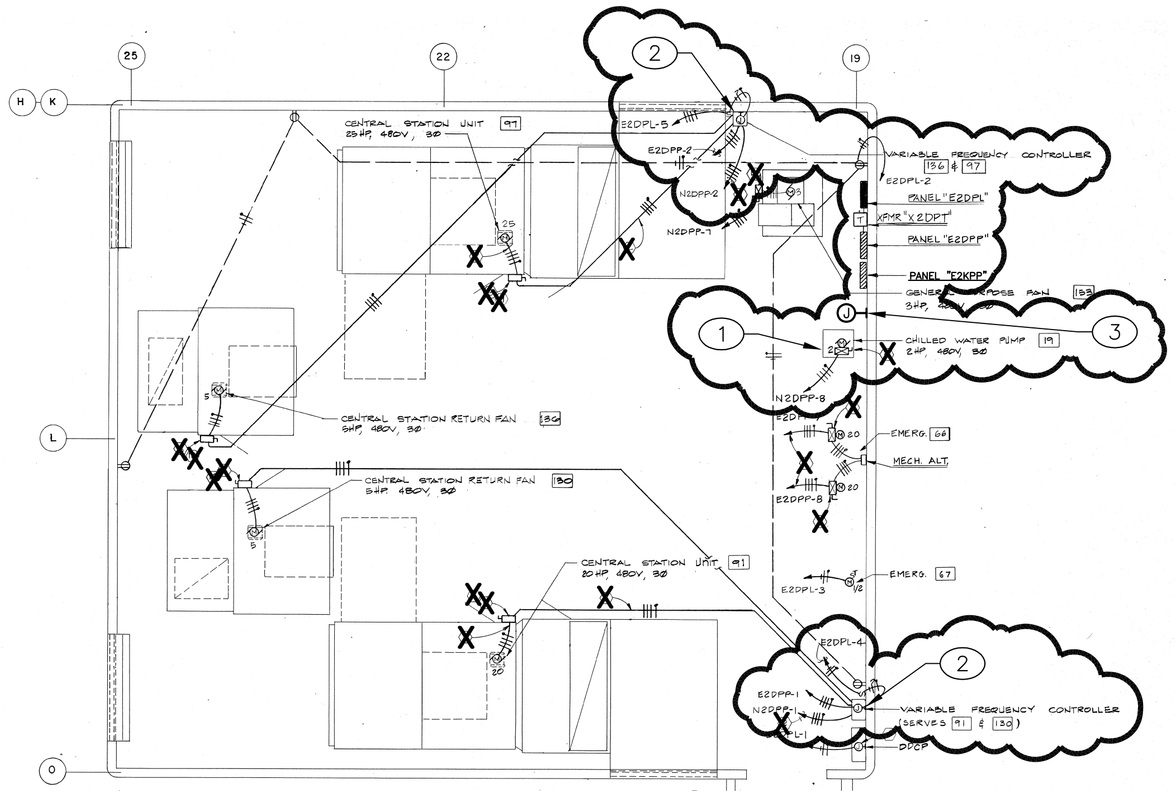
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
PENTHOUSE POWER PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

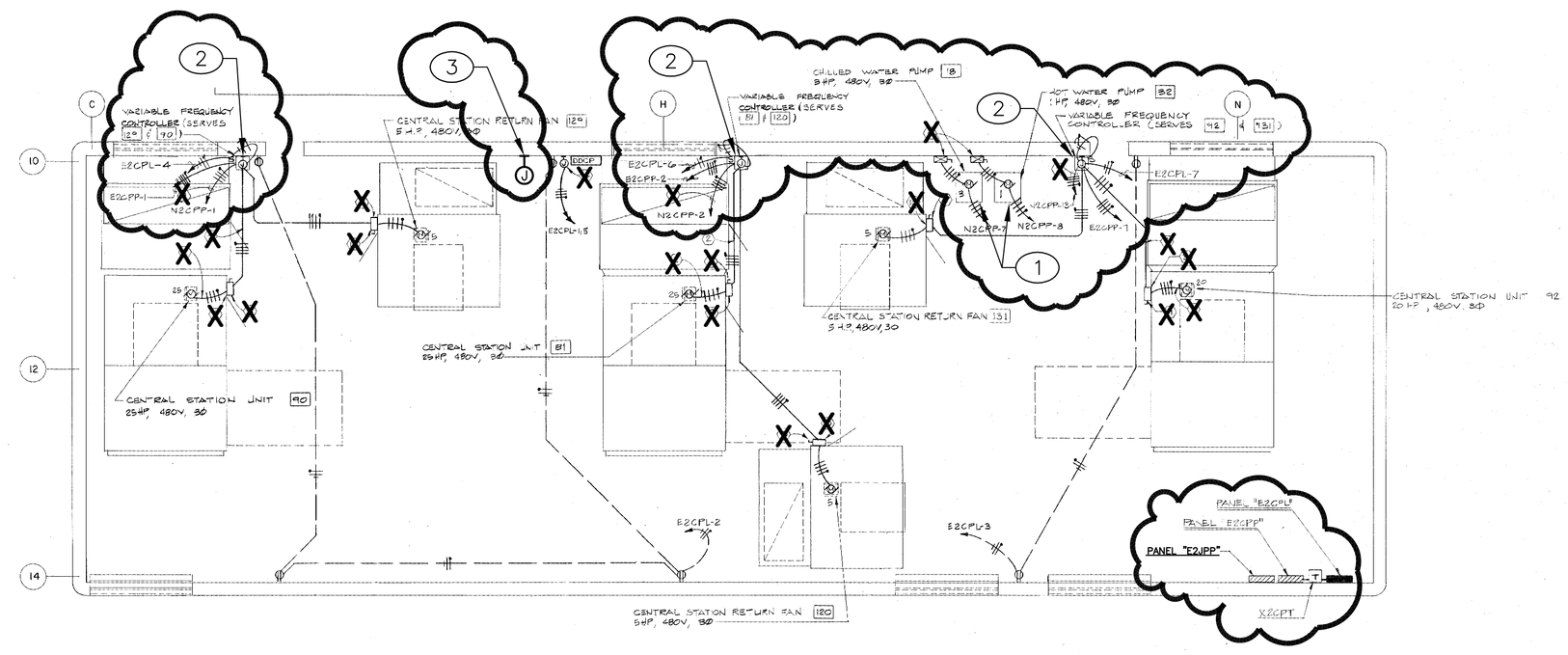
City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.4	99	124

2 6 - 7 2 5 9 . 1 1 - 0 8



MECHANICAL PENTHOUSE #6 – POWER PLAN

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



MECHANICAL PENTHOUSE #5 – POWER PLAN

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

KEYED NOTES:

1. EXISTING HVAC PUMPS TO BE REMOVED. REMOVE ALL ASSOCIATED DISCONNECTS, CONDUIT AND WIRE BACK TO SOURCE PANEL. MAKE BREAKERS SPARE. COORDINATE LOCATION OF PUMPS WITH MECHANICAL.

2. EXISTING VFD'S TO BE REMOVED AND REPLACED WITH TWO (2) NEW VFD'S ONE FOR THE AHU SUPPLY FAN AND ONE FOR THE ASSOCIATED RETURN FAN. PROVIDE 4"x4"x30" WIREWAY ABOVE EXISTING VFD TO INTERCEPT EXISTING POWER, FIRE ALARM AND CONTROL WIRING. EXTEND EXISTING CIRCUITRY TO NEW VFD'S. NEW VFD UNIT WILL BE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. COORDINATE EXACT LOCATION, SEQUENCING AND CONTROLS WITH MECHANICAL CONTRACTOR. REFER TO DRAWING E7.15 THROUGH E7.19 FOR PANEL SCHEDULE'S.

3. PROVIDE JUNCTION BOX FOR CONNECTION TO CONTROL PANEL. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. IT IS THE INTENT OF THIS DESIGN TO RE-FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE-LABELED AS SHOWN ON THIS FLOOR PLAN. REFER TO RISER DIAGRAMS FOR ADDITIONAL DETAIL REGARDING EXISTING AND NEW PANELBOARD DESIGNATIONS AND FEEDER INFORMATION.

C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

F. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

G. (X) INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Stated By / Date
Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

REVISIONS
No. | Date | Remarks | By

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

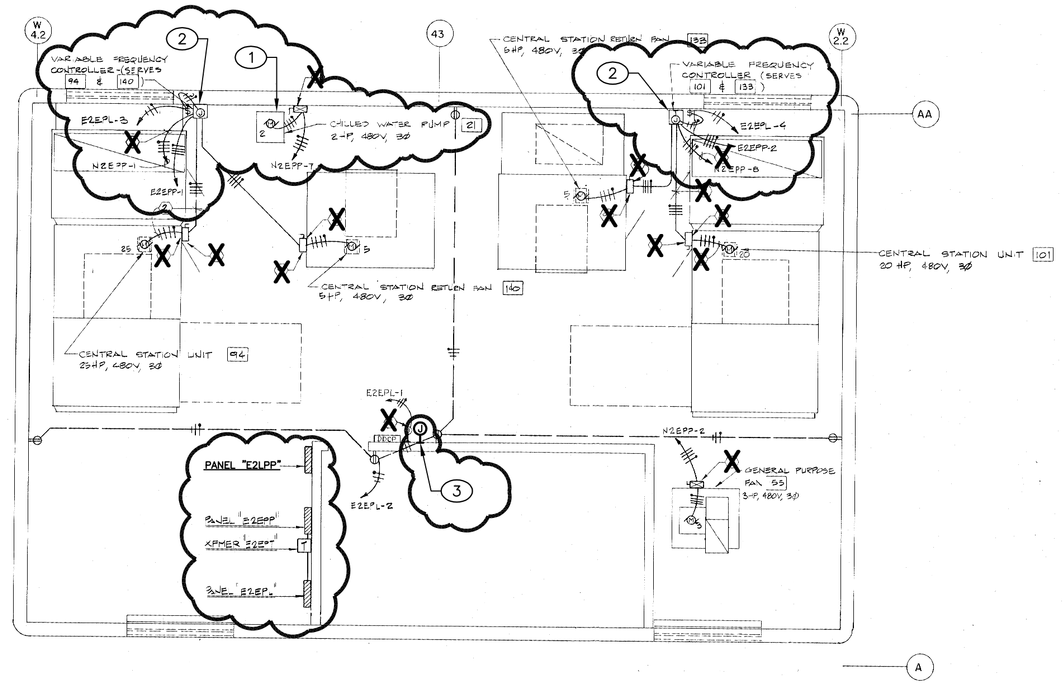
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
PENTHOUSE POWER PLANS

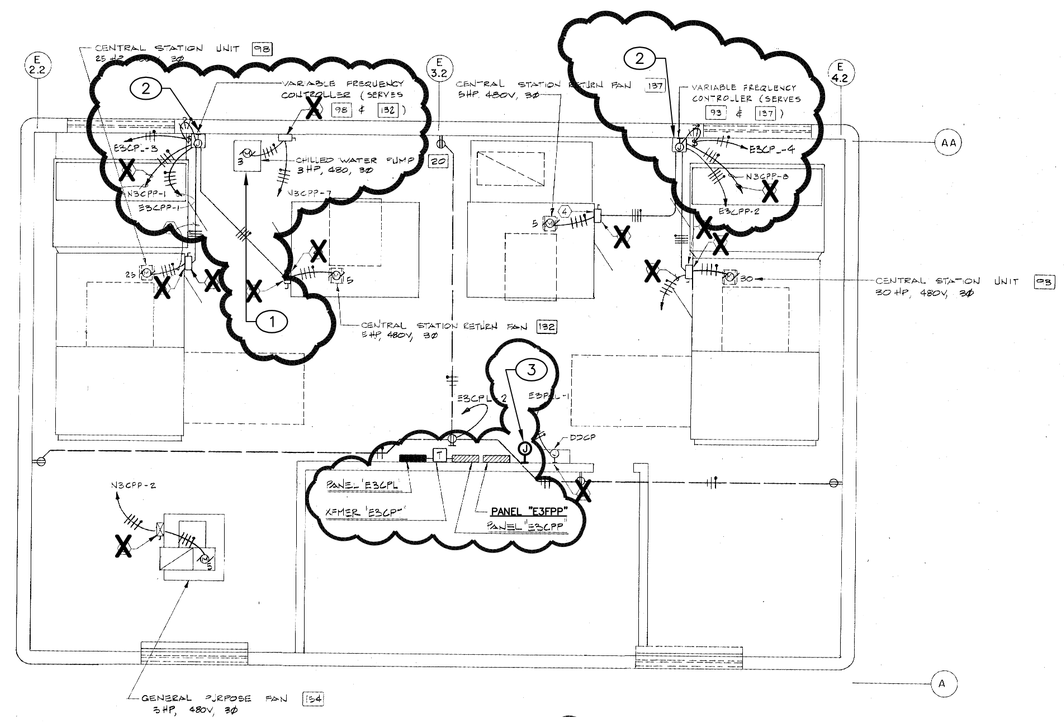
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.5	100	124

2 6 – 7 2 5 9 . 1 1 – 0 8



MECHANICAL PENTHOUSE #8 – POWER PLAN
SCALE: 1/8" = 1'-0"



MECHANICAL PENTHOUSE #7 – POWER PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTES:

1. EXISTING HVAC PUMPS TO BE REMOVED. REMOVE ALL ASSOCIATED DISCONNECTS, CONDUIT AND WIRE BACK TO SOURCE PANEL. MAKE BREAKERS SPARE. COORDINATE LOCATION OF PUMPS WITH MECHANICAL.
2. EXISTING VFD'S TO BE REMOVED AND REPLACED WITH TWO (2) NEW VFD'S ONE FOR THE AHU SUPPLY FAN AND ONE FOR THE ASSOCIATED RETURN FAN. PROVIDE 4"x4"x30" WIREWAY ABOVE EXISTING VFD TO INTERCEPT EXISTING POWER, FIRE ALARM AND CONTROL WIRING. EXTEND EXISTING CIRCUITRY TO NEW VFD'S. NEW VFD UNIT WILL BE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. COORDINATE EXACT LOCATION, SEQUENCING AND CONTROLS WITH MECHANICAL CONTRACTOR. REFER TO DRAWING E7.15 THROUGH E7.19 FOR PANEL SCHEDULE'S.
3. PROVIDE JUNCTION BOX FOR CONNECTION TO CONTROL PANEL. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. IT IS THE INTENT OF THIS DESIGN TO RE-FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE-LABELED AS SHOWN ON THIS FLOOR PLAN. REFER TO RISER DIAGRAMS FOR ADDITIONAL DETAIL REGARDING EXISTING AND NEW PANELBOARD DESIGNATIONS AND FEEDER INFORMATION.

C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

F. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

G. (X) INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

REVISIONS
No. | Date | Remarks | By

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

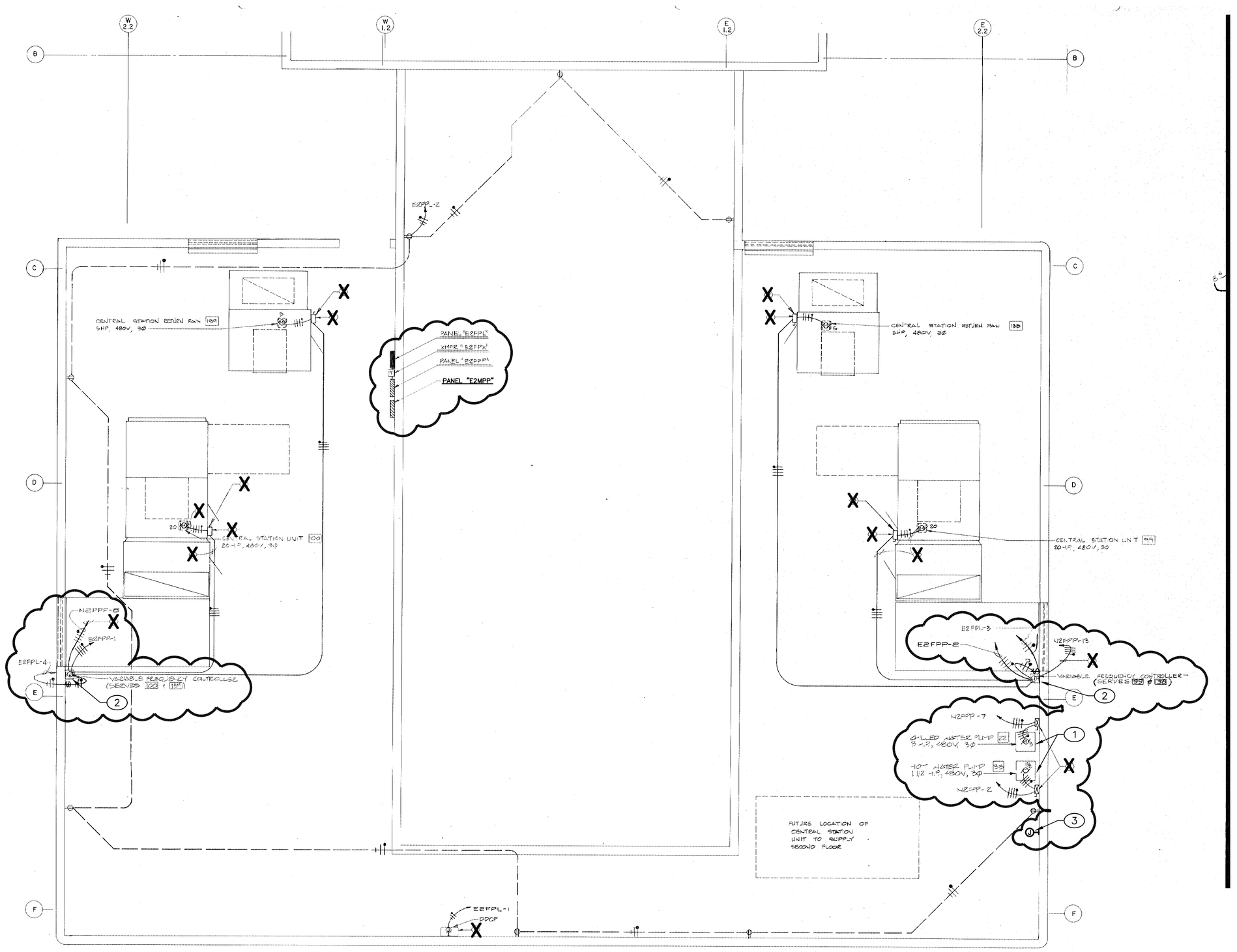
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
PENTHOUSE POWER PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.6	101	124

2 6 – 7 2 5 9 . 1 1 – 0 8



MECHANICAL PENTHOUSE #9 – POWER PLAN

SCALE: 1/8" = 1'–0"

KEYED NOTES:

1. EXISTING HVAC PUMPS TO BE REMOVED. REMOVE ALL ASSOCIATED DISCONNECTS, CONDUIT AND WIRE BACK TO SOURCE PANEL. MAKE BREAKERS SPARE. COORDINATE LOCATION OF PUMPS WITH MECHANICAL.
2. EXISTING VFD'S TO BE REMOVED AND REPLACED WITH TWO (2) NEW VFD'S ONE FOR THE AHU SUPPLY FAN AND ONE FOR THE ASSOCIATED RETURN FAN. PROVIDE 4"x4"x30" WIREWAY ABOVE EXISTING VFD TO INTERCEPT EXISTING POWER, FIRE ALARM AND CONTROL WIRING. EXTEND EXISTING CIRCUITRY TO NEW VFD'S. NEW VFD UNIT WILL BE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. COORDINATE EXACT LOCATION, SEQUENCING AND CONTROLS WITH MECHANICAL CONTRACTOR. REFER TO DRAWING E7.15 THROUGH E7.19 FOR PANEL SCHEDULE'S.
3. PROVIDE JUNCTION BOX FOR CONNECTION TO CONTROL PANEL. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. IT IS THE INTENT OF THIS DESIGN TO RE–FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE–LABELED AS SHOWN ON THIS FLOOR PLAN. REFER TO RISER DIAGRAMS FOR ADDITIONAL DETAIL REGARDING EXISTING AND NEW PANELBOARD DESIGNATIONS AND FEEDER INFORMATION.

C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

F. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

G. (X) INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | By | Remarks

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

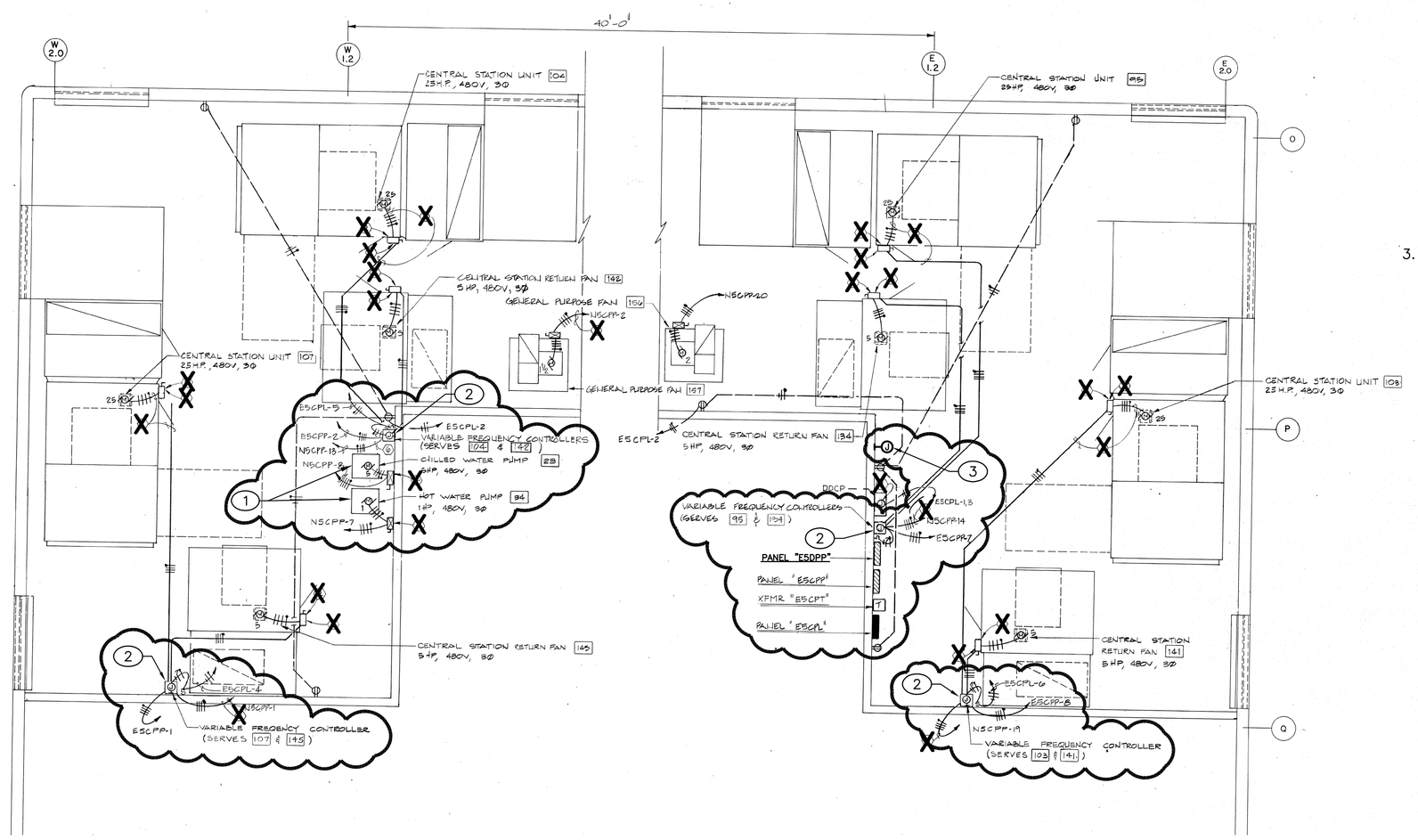
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
PENTHOUSE POWER PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E7.7	102	124

2 6 – 7 2 5 9 . 1 1 – 0 8



MECHANICAL PENTHOUSE #10 – POWER PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTES:

1. EXISTING HVAC PUMPS TO BE REMOVED. REMOVE ALL ASSOCIATED DISCONNECTS, CONDUIT AND WIRE BACK TO SOURCE PANEL. MAKE BREAKERS SPARE. COORDINATE LOCATION OF PUMPS WITH MECHANICAL.
2. EXISTING VFD'S TO BE REMOVED AND REPLACED WITH TWO (2) NEW VFD'S ONE FOR THE AHU SUPPLY FAN AND ONE FOR THE ASSOCIATED RETURN FAN. PROVIDE 4"x4"x30" WIREWAY ABOVE EXISTING VFD TO INTERCEPT EXISTING POWER, FIRE ALARM AND CONTROL WIRING. EXTEND EXISTING CIRCUITRY TO NEW VFD'S. NEW VFD UNIT WILL BE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. COORDINATE EXACT LOCATION, SEQUENCING AND CONTROLS WITH MECHANICAL CONTRACTOR. REFER TO DRAWING E7.15 THROUGH E7.19 FOR PANEL SCHEDULE'S.
3. PROVIDE JUNCTION BOX FOR CONNECTION TO CONTROL PANEL. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. IT IS THE INTENT OF THIS DESIGN TO RE-FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE-LABELED AS SHOWN ON THIS FLOOR PLAN. REFER TO RISER DIAGRAMS FOR ADDITIONAL DETAIL REGARDING EXISTING AND NEW PANELBOARD DESIGNATIONS AND FEEDER INFORMATION.

C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

F. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

G. (X) INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

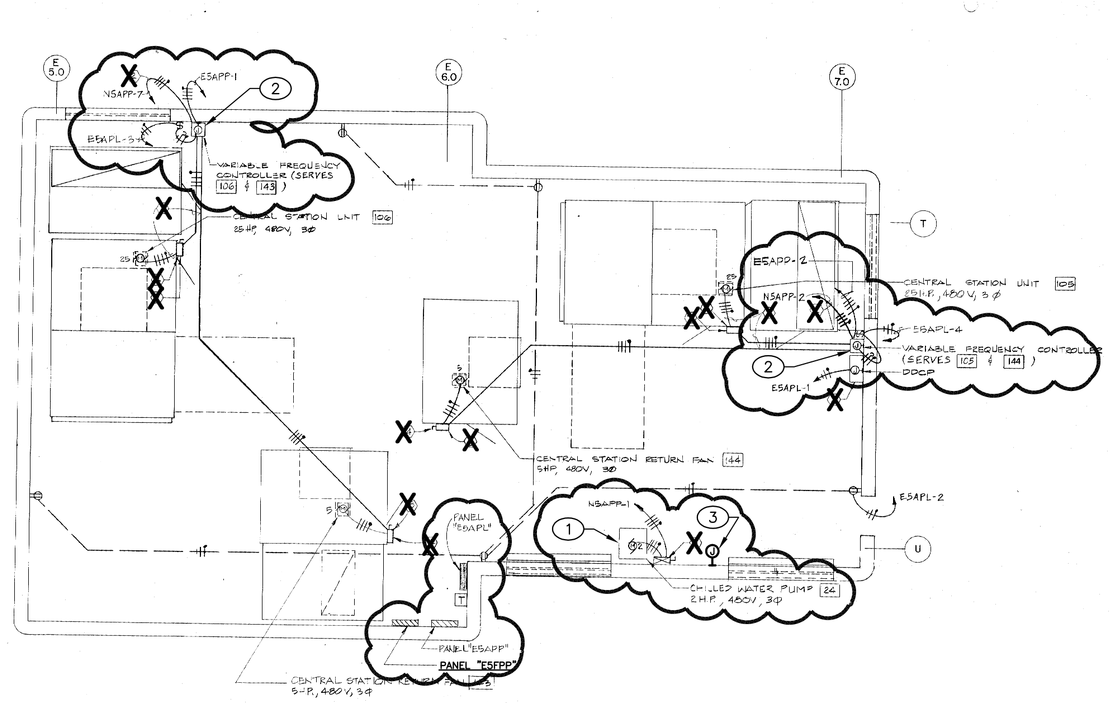
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
PENTHOUSE POWER PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

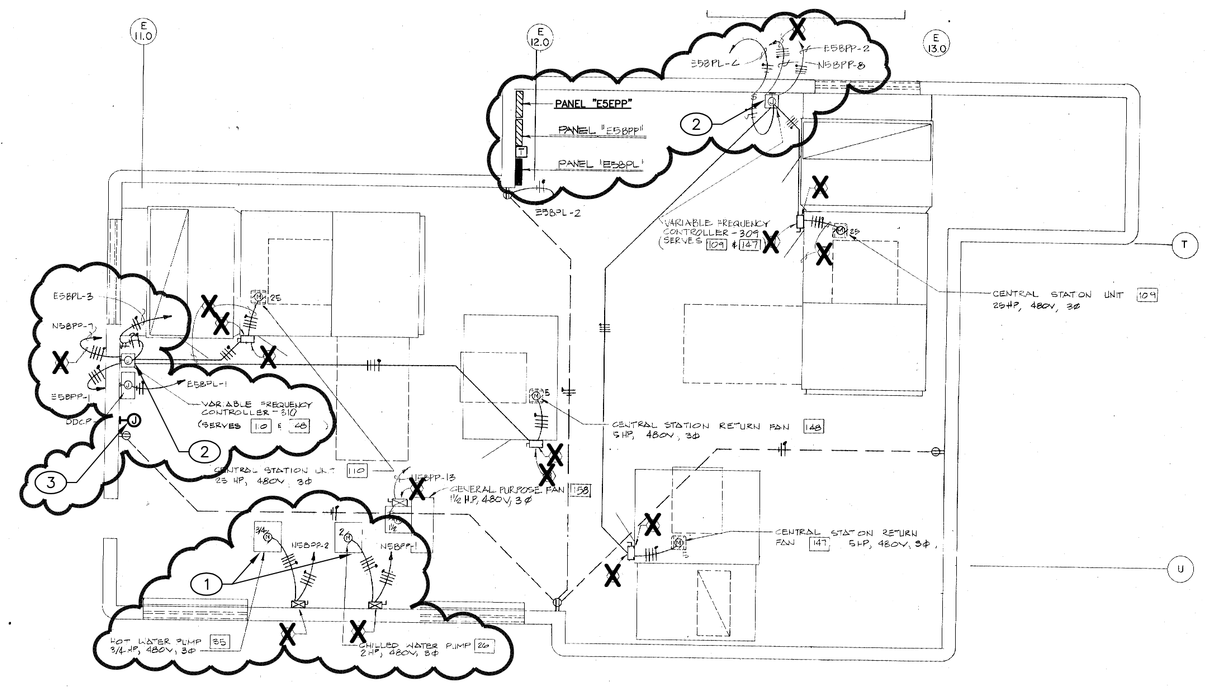
City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.8	103124	

2 6 – 7 2 5 9 . 1 1 – 0 8



MECHANICAL PENTHOUSE #11 – POWER PLAN

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



MECHANICAL PENTHOUSE #12 – POWER PLAN

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

KEYED NOTES:

1. EXISTING HVAC PUMPS TO BE REMOVED. REMOVE ALL ASSOCIATED DISCONNECTS, CONDUIT AND WIRE BACK TO SOURCE PANEL. MAKE BREAKERS SPARE. COORDINATE LOCATION OF PUMPS WITH MECHANICAL.
2. EXISTING VFD'S TO BE REMOVED AND REPLACED WITH TWO (2) NEW VFD'S ONE FOR THE AHU SUPPLY FAN AND ONE FOR THE ASSOCIATED RETURN FAN. PROVIDE 4"x4"x30" WIREWAY ABOVE EXISTING VFD TO INTERCEPT EXISTING POWER, FIRE ALARM AND CONTROL WIRING. EXTEND EXISTING CIRCUITRY TO NEW VFD'S. NEW VFD UNIT WILL BE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. COORDINATE EXACT LOCATION, SEQUENCING AND CONTROLS WITH MECHANICAL CONTRACTOR. REFER TO DRAWING E7.15 THROUGH E7.19 FOR PANEL SCHEDULE'S.
3. PROVIDE JUNCTION BOX FOR CONNECTION TO CONTROL PANEL. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. IT IS THE INTENT OF THIS DESIGN TO RE-FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE-LABELED AS SHOWN ON THIS FLOOR PLAN. REFER TO RISER DIAGRAMS FOR ADDITIONAL DETAIL REGARDING EXISTING AND NEW PANELBOARD DESIGNATIONS AND FEEDER INFORMATION.

C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

F. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

G. (X) INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Additional Info By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

REVISIONS

No.	Date	Remarks	By

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

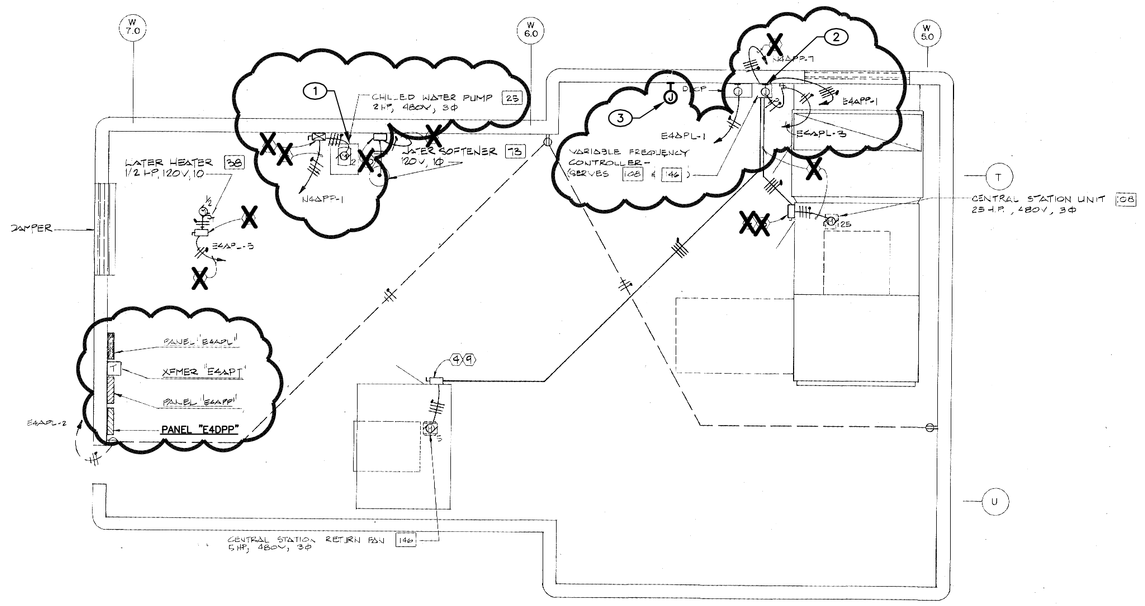
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
PENTHOUSE POWER PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

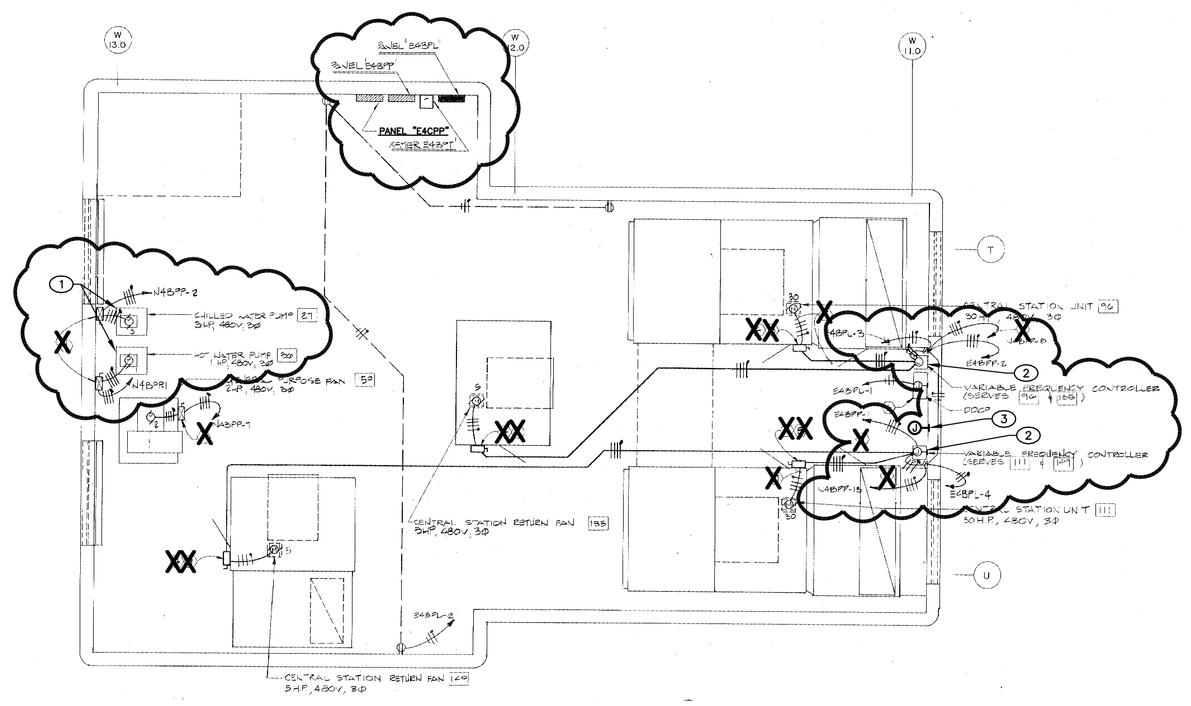
City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.9		104124

2 6 - 7 2 5 9 . 1 1 - 0 8



MECHANICAL PENTHOUSE #13 – POWER PLAN

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



MECHANICAL PENTHOUSE #14 – POWER PLAN

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

KEYED NOTES:

1. EXISTING HVAC PUMPS TO BE REMOVED. REMOVE ALL ASSOCIATED DISCONNECTS, CONDUIT AND WIRE BACK TO SOURCE PANEL. MAKE BREAKERS SPARE. COORDINATE LOCATION OF PUMPS WITH MECHANICAL.
2. EXISTING VFD'S TO BE REMOVED AND REPLACED WITH TWO (2) NEW VFD'S ONE FOR THE AHU SUPPLY FAN AND ONE FOR THE ASSOCIATED RETURN FAN. PROVIDE 4"x4"x30" WIREWAY ABOVE EXISTING VFD TO INTERCEPT EXISTING POWER, FIRE ALARM AND CONTROL WIRING. EXTEND EXISTING CIRCUITRY TO NEW VFD'S. NEW VFD UNIT WILL BE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. COORDINATE EXACT LOCATION, SEQUENCING AND CONTROLS WITH MECHANICAL CONTRACTOR. REFER TO DRAWING E7.15 THROUGH E7.19 FOR PANEL SCHEDULE'S.
3. PROVIDE JUNCTION BOX FOR CONNECTION TO CONTROL PANEL. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. IT IS THE INTENT OF THIS DESIGN TO RE-FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE-LABELED AS SHOWN ON THIS FLOOR PLAN. REFER TO RISER DIAGRAMS FOR ADDITIONAL DETAIL REGARDING EXISTING AND NEW PANELBOARD DESIGNATIONS AND FEEDER INFORMATION.

C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

F. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

G. (X) INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION

Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO-FILM INFORMATION

Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

ASCG INCORPORATED

ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS

6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

REVISIONS

No.	Date	Remarks	By

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

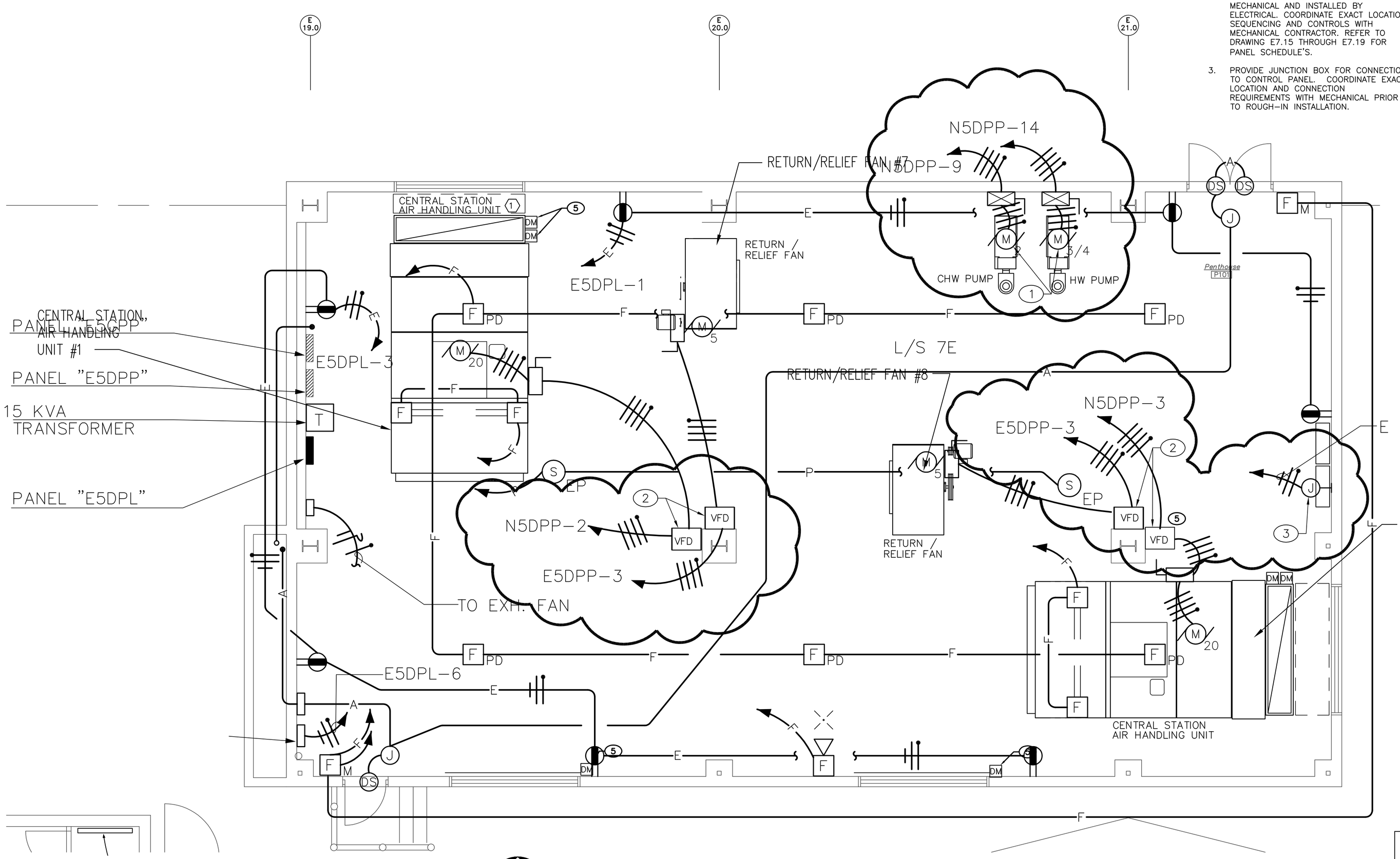
TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

PENTHOUSE POWER PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.10	105	124

2 6 – 7 2 5 9 . 1 1 – 0 8



KEYED NOTES:

1. EXISTING HVAC PUMPS TO BE REMOVED. REMOVE ALL ASSOCIATED DISCONNECTS, CONDUIT AND WIRE BACK TO SOURCE PANEL. MAKE BREAKERS SPARE. COORDINATE LOCATION OF PUMPS WITH MECHANICAL.
2. EXISTING VFD'S TO BE REMOVED AND REPLACED WITH TWO (2) NEW VFD'S ONE FOR THE AHU SUPPLY FAN AND ONE FOR THE ASSOCIATED RETURN FAN. PROVIDE 4"x4"x30" WIREWAY ABOVE EXISTING VFD TO INTERCEPT EXISTING POWER, FIRE ALARM AND CONTROL WIRING. EXTEND EXISTING CIRCUITRY TO NEW VFD'S. NEW VFD UNIT WILL BE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. COORDINATE EXACT LOCATION, SEQUENCING AND CONTROLS WITH MECHANICAL CONTRACTOR. REFER TO DRAWING E7.15 THROUGH E7.19 FOR PANEL SCHEDULE'S.
3. PROVIDE JUNCTION BOX FOR CONNECTION TO CONTROL PANEL. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. IT IS THE INTENT OF THIS DESIGN TO RE-FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE-LABELED AS SHOWN ON THIS FLOOR PLAN. REFER TO RISER DIAGRAMS FOR ADDITIONAL DETAIL REGARDING EXISTING AND NEW PANELBOARD DESIGNATIONS AND FEEDER INFORMATION.

C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

F. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

MECHANICAL PENTHOUSE #15 – POWER PLAN

SCALE: 1/4" = 1'-0"

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Completion Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

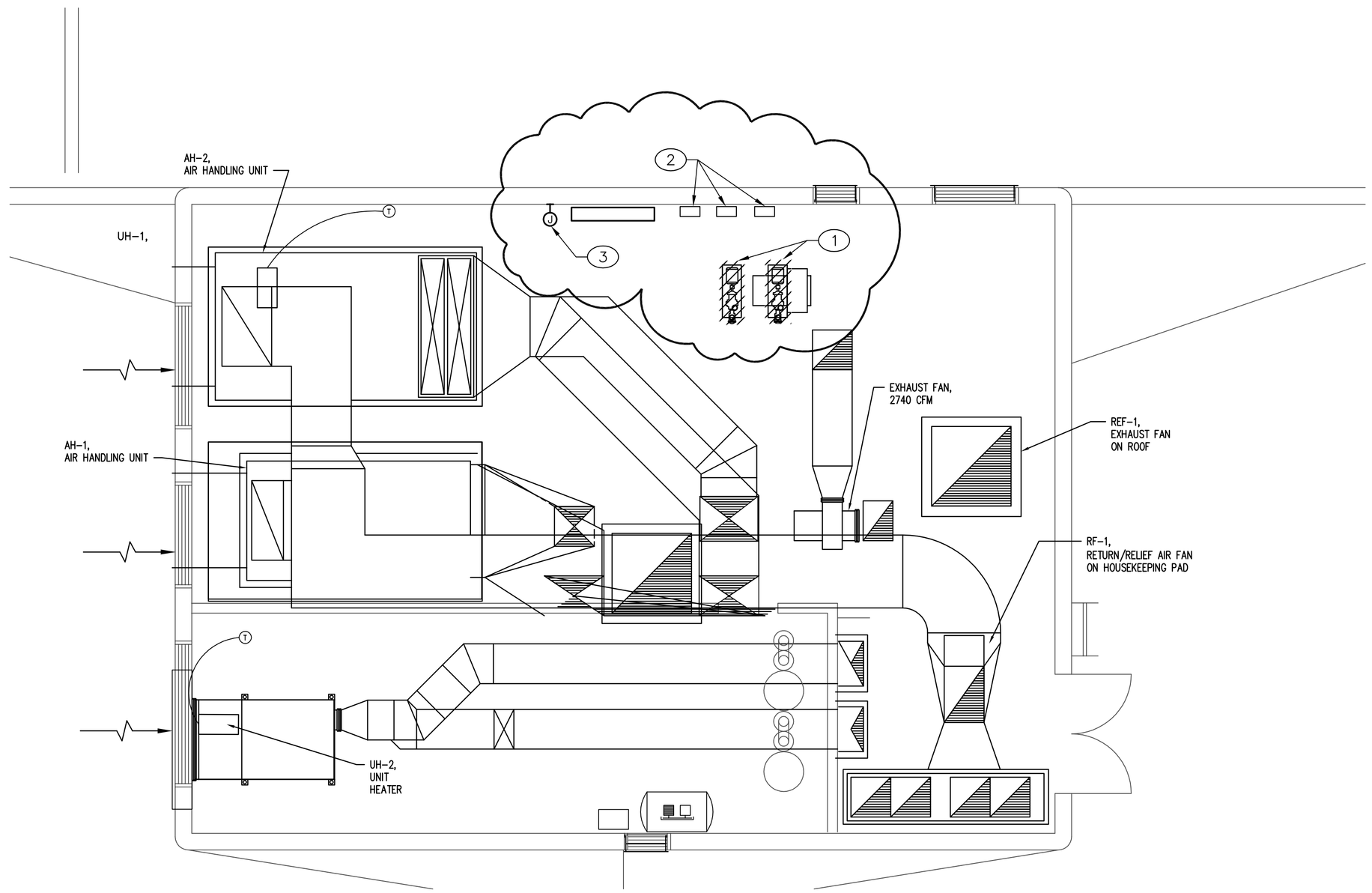
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
PENTHOUSE POWER PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.11	106	124

26-725911-1108



MECHANICAL PENTHOUSE #16 – POWER PLAN

SCALE: 1/4" = 1'-0"

KEYED NOTES:

1. EXISTING HVAC PUMPS TO BE REMOVED. REMOVE ALL ASSOCIATED DISCONNECTS, CONDUIT AND WIRE BACK TO SOURCE PANEL. MAKE BREAKERS SPARE. COORDINATE LOCATION OF PUMPS WITH MECHANICAL.

2. EXISTING VFD'S TO BE REMOVED AND REPLACED WITH TWO (2) NEW VFD'S ONE FOR THE AHU SUPPLY FAN AND ONE FOR THE ASSOCIATED RETURN FAN. PROVIDE 4"x4"x30" WIREWAY ABOVE EXISTING VFD TO INTERCEPT EXISTING POWER, FIRE ALARM AND CONTROL WIRING. EXTEND EXISTING CIRCUITRY TO NEW VFD'S. NEW VFD UNIT WILL BE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. COORDINATE EXACT LOCATION, SEQUENCING AND CONTROLS WITH MECHANICAL CONTRACTOR. REFER TO DRAWING E7.15 THROUGH E7.19 FOR PANEL SCHEDULE'S.

3. PROVIDE JUNCTION BOX FOR CONNECTION TO CONTROL PANEL. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. IT IS THE INTENT OF THIS DESIGN TO RE-FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE-LABELED AS SHOWN ON THIS FLOOR PLAN. REFER TO RISER DIAGRAMS FOR ADDITIONAL DETAIL REGARDING EXISTING AND NEW PANELBOARD DESIGNATIONS AND FEEDER INFORMATION.

C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

F. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION

Contractor
Work Started By / Date
Substantial Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date

MICRO-FILM INFORMATION

Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS

No.	Date	Remarks	By

DESIGN

Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

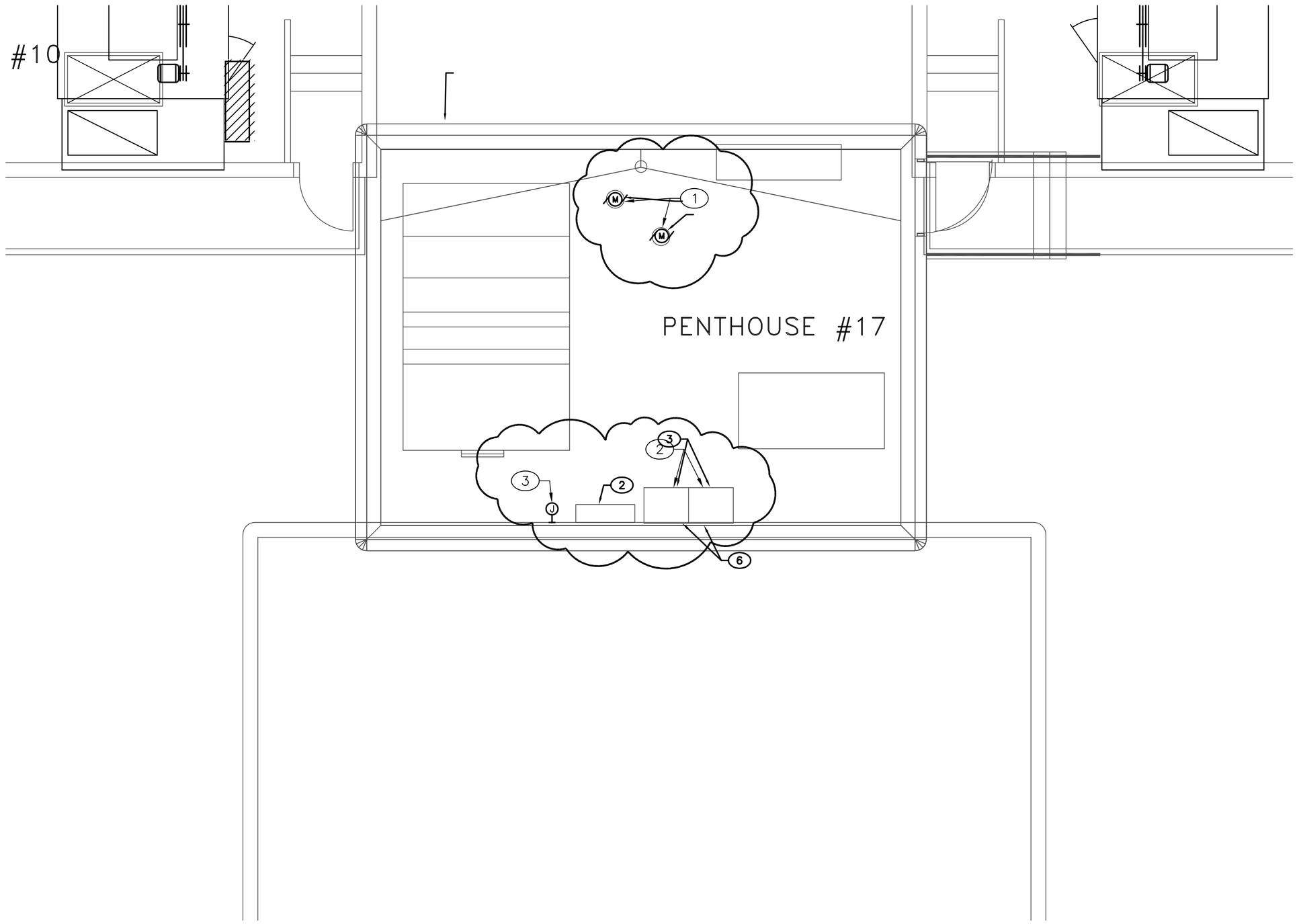
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT**
MECHANICAL AND ELECTRICAL UPGRADES
PENTHOUSE POWER PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.12	107	124

26-725911.11-08



KEYED NOTES:

1. EXISTING HVAC PUMPS TO BE REMOVED. REMOVE ALL ASSOCIATED DISCONNECTS, CONDUIT AND WIRE BACK TO SOURCE PANEL. MAKE BREAKERS SPARE. COORDINATE LOCATION OF PUMPS WITH MECHANICAL.

2. EXISTING VFD'S TO BE REMOVED AND REPLACED WITH TWO (2) NEW VFD'S ONE FOR THE AHU SUPPLY FAN AND ONE FOR THE ASSOCIATED RETURN FAN. PROVIDE 4"x4"x30" WIREWAY ABOVE EXISTING VFD TO INTERCEPT EXISTING POWER, FIRE ALARM AND CONTROL WIRING. EXTEND EXISTING CIRCUITRY TO NEW VFD'S. NEW VFD UNIT WILL BE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. COORDINATE EXACT LOCATION, SEQUENCING AND CONTROLS WITH MECHANICAL CONTRACTOR. REFER TO DRAWING E7.15 THROUGH E7.19 FOR PANEL SCHEDULE'S.

3. PROVIDE JUNCTION BOX FOR CONNECTION TO CONTROL PANEL. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. IT IS THE INTENT OF THIS DESIGN TO RE-FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE-LABELED AS SHOWN ON THIS FLOOR PLAN. REFER TO RISER DIAGRAMS FOR ADDITIONAL DETAIL REGARDING EXISTING AND NEW PANELBOARD DESIGNATIONS AND FEEDER INFORMATION.

C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

F. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

MECHANICAL PENTHOUSE #17 – POWER PLAN

SCALE: 1/4" = 1'-0"

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 - FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

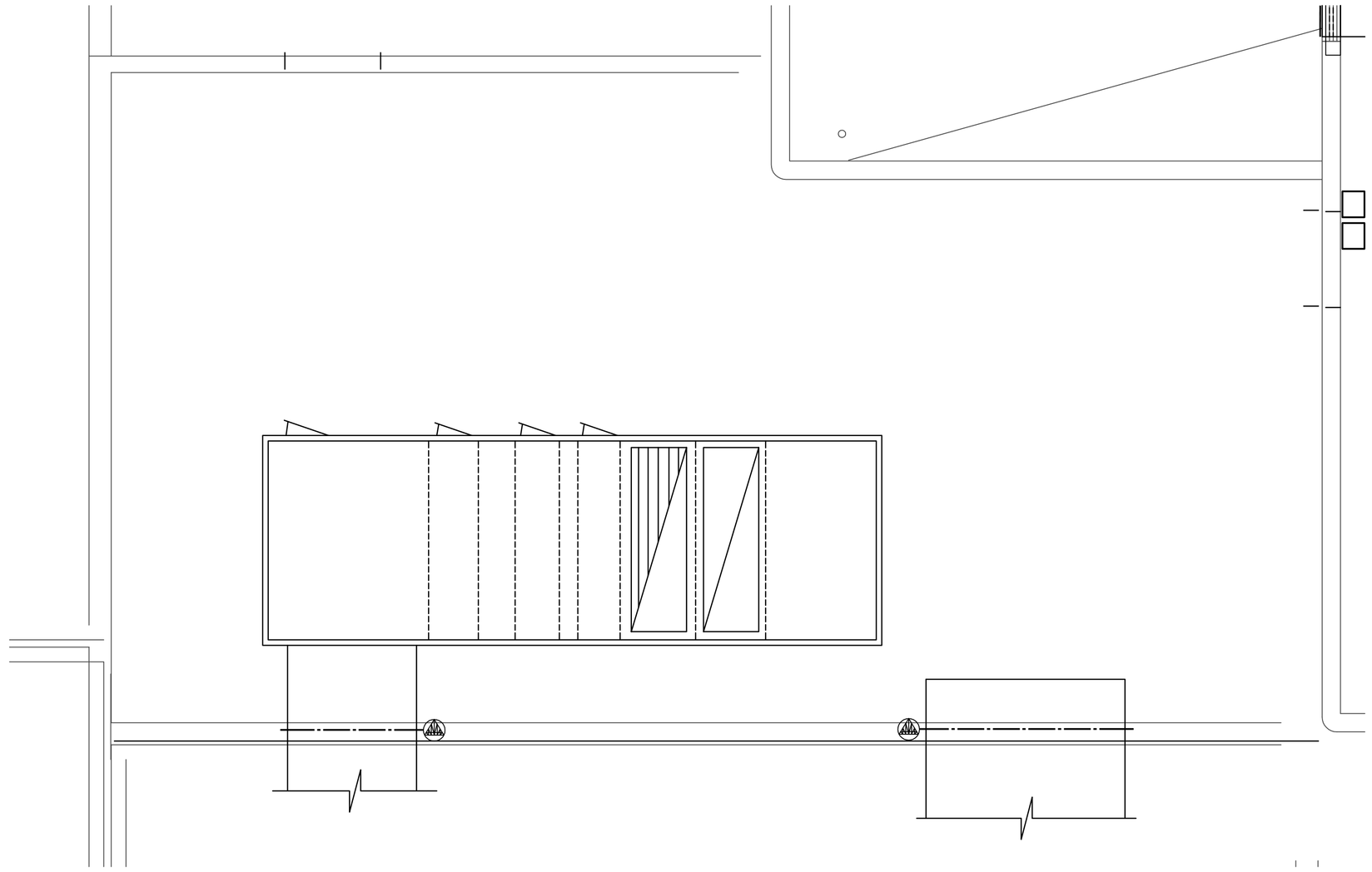
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
PENTHOUSE POWER PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

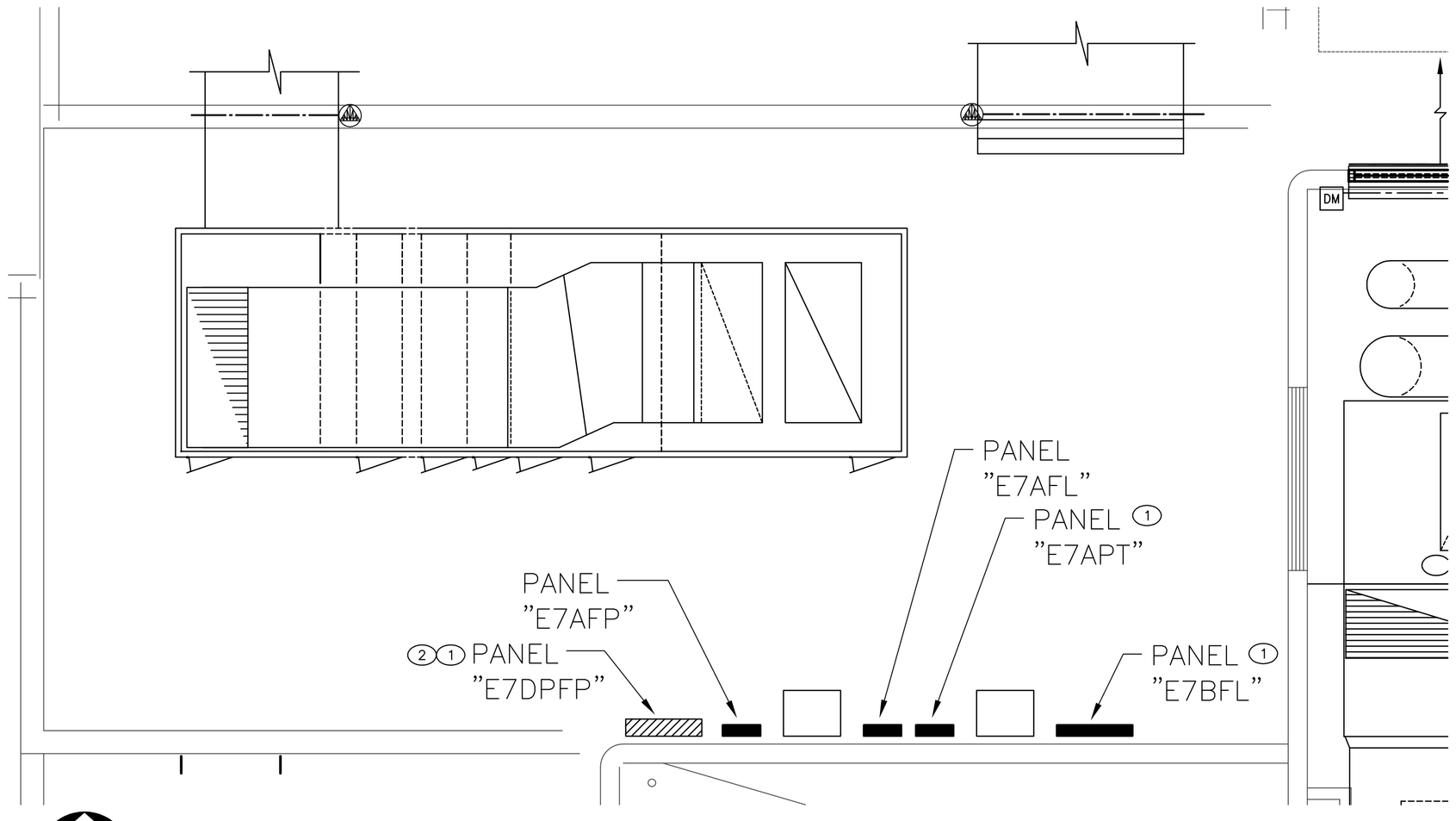
City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.13	108124	

2 6 – 7 2 5 9 . 1 1 – 0 8



ELECTRICAL – PENTHOUSE # (SECURITY SCREENING – NORTH)

SCALE: 1/4" = 1'–0"



ELECTRICAL PLAN – PENTHOUSE # (SECURITY SCREENING – SOUTH)

SCALE: 1/4" = 1'–0"

KEYED NOTES: ⬭

1. RELABLE EXISTING PANELS AS INDICATED. IN ADDITION TO PANELS SHOWN RELABLE PANEL N7A3L TO E7A3L. THIS PANEL IS LOCATED IN COMM. RM 26–15 ON LEVEL 3 NEAR COL. LINES W3.1/O.
2. INTERCEPT EXISTING FEEDERS FOR PANEL "E7DPFP" (WAS PANEL N7DPFP) AND REFEED TO EMERGENCY SWITCH BOARD "EDS4". REFER TO DRAWING PR–E07 FOR ADDITIONAL INFORMATION.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. IT IS THE INTENT OF THIS DESIGN TO RE–FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE–LABELED AS SHOWN ON THIS FLOOR PLAN. REFER TO RISER DIAGRAMS FOR ADDITIONAL DETAIL REGARDING EXISTING AND NEW PANELBOARD DESIGNATIONS AND FEEDER INFORMATION.

C. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

D. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

E. PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH–IN INSTALLATION.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Inspector — Date
Acceptance By — Date
Additional Info By — Date
Verification By — Date
Drawings Corrected By — Date
MICRO–FILM INFORMATION
Recorded By — Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER — STATE OF NEW MEXICO — NO. 16439 — REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS

No.	Date	Remarks	By
		DESIGN	
		Designed By:	Date:
		Drawn By:	Date:
		Checked By:	Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**
PENTHOUSE POWER PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E7.13A	48	192

2 6 – 7 2 5 9 . 1 1 – 0 8

PENTHOUSE #1

PANELBOARD SCHEDULE — "E3DPP" (NEW PANEL I.D.) — "N3APP" (OLD PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #1 — FED FROM: "3N46" FROM SWITCHBOARD "NDS3"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		9422	100 /	20507			100 /	11085		2
3	SUPPLY FAN #84	9422			20507			11085	SUPPLY FAN #76	4
5		9422	3			20507	3	11085		6
7		7482	70 /	7870			15 /	388		8
9	SUPPLY FAN #83	7482			7870			388	GENERAL FAN #150	10
11		7482	3			7870	3	388		12
13		–	15 /	–			20 /	–		14
15	SPARE	–			–			–	SPARE	16
17		–	3			–	3	–		18
19	SPARE	–	20/1	–			–	–	–	20
21	PENTHOUSE LIGHTING	–	20/1		–		–	–	–	22
23	SPARE	–	20/1			–	–	–	–	24
25		–	20 /	–			–	–	–	26
27	SPARE	–			–		–	–	–	28
29		–	3			–	–	–	–	30
31	SPARE	–	20/1	–			–	–	–	32
33	–	–	–		–		–	–	–	34
35	–	–	–			–	–	–	–	36
37	–	–	–	6318			100 /	6318		38
39	–	–	–		6318			6318	PANEL "E3APP"	40
41	–	–	–			6318	3	6318		42
	CONNECTED LOAD (VA) PER PHASE			34695	34695	34695		104085	TOTAL CONNECTED LOAD (VA)	

CONNECTED LOAD (AMPS) ON MAX PHASE = 125

PANELBOARD SCHEDULE — "E3APP" (PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #1 — FED FROM: "3E42" FROM SWITCHBOARD "EDS3"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20 /	4212			20 /	2106		2
3	RETURN FAN #123	2106			4212			2106	RETURN FAN #122	4
5		2106	3			4212	3	2106		6
7		2106	20 /	2106			20/1	–	PENTHOUSE LIGHTING	8
9	RETURN FAN #115	2106			2106		20/1	–	SPARE	10
11		2106	3			2106	20/1	–	SPARE	12
13		–	15 /	–			20 /	–		14
15	PANEL "E3APL"	–			–			–	SPARE	16
17		–	3			–	3	–		18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30
	CONNECTED LOAD (VA) PER PHASE			6318	6318	6318		18954	TOTAL CONNECTED LOAD (VA)	

CONNECTED LOAD (AMPS) ON MAX PHASE = 23

PANELBOARD SCHEDULE — "E3APL" (PANEL I.D.)

208/120V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | 30A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #1 — FED FROM: "3E49" FROM 9 KVA XFMR. "X3APT"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	SPARE	–	20/1	–			20/1	–	RECEPTACLES	2
3	RECEPTACLES	–	20/1		–		20/1	–	VFD #84/123	4
5	VFD #76/115	–	20/1			–	20/1	–	VFD #83/122	6
7	DDCP	–	20/1	–			20/1	–	SPARE	8
9	FA CAB. "DGPF-P1"	–	20/1		–		20/1	–	SPARE	10
11	SPARE	–	20/1			–	20/1	–	SPARE	12
13	–	–	–	–			–	–	–	14
15	–	–	–		–		–	–	–	16
17	–	–	–			–	–	–	–	18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
	CONNECTED LOAD (VA) PER PHASE			–	–	–		–	TOTAL CONNECTED LOAD (VA)	

CONNECTED LOAD (AMPS) ON MAX PHASE = –

PENTHOUSE #2

PANELBOARD SCHEDULE — "E3EPP" (NEW PANEL I.D.) — "N3BPP" (OLD PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #2 — FED FROM: "3N47" FROM SWITCHBOARD "NDS3"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		9422	70 /	15242			70 /	5820		2
3	SUPPLY FAN #85	9422			15242			5820	SUPPLY FAN #86	4
5		9422	3			15242	3	5820		6
7		942	15 /	942			20 /	–		8
9	GENERAL FAN #151	942			942			–	SPARE	10
11		942	3			942	3	–		12
13		–	15 /	9422			100 /	9422		14
15	SPARE	–			9422			9422	SUPPLY FAN #77	16
17		–	3			9422	3	9422		18
19	PENTHOUSE #2 LIGHTING	–	20/1	–			20 /	–		20
21	SPARE	–	20/1		–			–	SPARE	22
23	SPARE	–	20/1			–	3	–		24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30
31	–	–	–	–			–	–	–	32
33	–	–	–		–		–	–	–	34
35	–	–	–			–	–	–	–	36
37	–	–	–	5542			100 /	5542		38
39	–	–	–		5542			5542	PANEL "E3BPP"	40
41	–	–	–			5542	3	5542		42
	CONNECTED LOAD (VA) PER PHASE			31148	31148	31148		93444	TOTAL CONNECTED LOAD (VA)	

CONNECTED LOAD (AMPS) ON MAX PHASE = 112

PANELBOARD SCHEDULE — "E3BPP" (PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #2 — FED FROM: "3E41" FROM SWITCHBOARD "EDS3"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20 /	3436			15 /	1330		2
3	SUPPLY FAN #124	2106			3436			1330	RETURN FAN #126	4
5		2106	3			3436	3	1330		6
7		2106	20 /	2106			15 /	–		8
9	RETURN FAN #116	2106			2106			–	PANEL "E3BPL"	10
11		2106	3			2106	3	–		12
13	PENTHOUSE #2 LIGHTING	–	20/1	–			20 /	–		14
15	SPARE	–	20/1		–			–	SPARE	16
17	SPARE	–	20/1			–	3	–		18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30
	CONNECTED LOAD (VA) PER PHASE			5542	5542	5542		16626	TOTAL CONNECTED LOAD (VA)	

CONNECTED LOAD (AMPS) ON MAX PHASE = 20

PANELBOARD SCHEDULE — "E3BPL" (PANEL I.D.)

208/120V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | 30A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #2 — FED FROM: "3E47" FROM 9 KVA XFMR. "X3BPT"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	DGC PANEL	–	20/1	–			20/1	–	RECEPTACLES	2
3	RECEPTACLES	–	20/1		–		20/1	–	WATER SOFTENER #74	4
5	BOILER #219	–	20/1			–	20/1	–	SPARE	6
7	VFD #85/124	–	20/1	–			20/1	–	VFD #86/126	8
9	VFD #77/116	–	20/1		–		20 /	–	CIRC PUMP #39	10
11	DUCT DETECTORS	–	20/1			–	2	–		12
13	SPARE	–	20/1	–			20/1	–	SPARE	14
15	SPARE	–	20/1		–		20/1	–	SPARE	16
17	SPARE	–	20/1			–	20/1	–	SPARE	18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
	CONNECTED LOAD (VA) PER PHASE			–	–	–		–	TOTAL CONNECTED LOAD (VA)	

CONNECTED LOAD (AMPS) ON MAX PHASE = –

PENTHOUSE #3

PANELBOARD SCHEDULE — "E2GPP" (NEW PANEL I.D.) — "N2APP" (OLD PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #3 — FED FROM: "2N5e" FROM SWITCHBOARD "NDS2"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		11085	100 /	20507			100 /	9422		2
3	SUPPLY FAN #88	11085			20507			9422	SUPPLY FAN #78	4
5		11085	3			20507	3	9422		6
7		7482	70 /	7482			15 /	–		8
9	SUPPLY FAN #79	7482			7482			–	SPARE	10
11		7482	3			7482	3	–		12
13		–	30 /	5820			70 /	5820		14
15	SPARE	–			5820			5820	SUPPLY FAN #87	16
17		–	3			5820	3	5820		18
19	PENTHOUSE LIGHTING	–	20/1	721			15 /	721		20
21	SPARE	–	20/1		721			721	GENERAL FAN #152	22
23	SPARE	–	20/1			721	3	721		24
25		–	20 /	–			20 /	–		26
27	SPARE	–			–			–	SPARE	28
29		–	3			–	3	–		30
31	–	–	–	–			–	–	–	32
33	–	–	–		–		–	–	–	34
35	–	–	–			–	–	–	–	36
37	–	–	–	8424			100 /	8424		38
39	–	–	–		8424			8424	PANEL "E2APP"	40
41	–	–	–			8424	3	8424		42
	CONNECTED LOAD (VA) PER PHASE			42954	42954	42954		128862	TOTAL CONNECTED LOAD (VA)	

CONNECTED LOAD (AMPS) ON MAX PHASE = 155

PANELBOARD SCHEDULE — "E2APP" (PANEL I.D.)

480/120V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #3 — FED FROM: "2E51" FROM SWITCHBOARD "EDS2"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20 /	4212			20 /	2106		2
3	RETURN FAN #127	2106			4212			2106	RETURN FAN #117	4
5		2106	3			4212	3	2106		6
7		2106	20 /	4212			15 /	2106		8
9	RETURN FAN #118	2106			4212			2106	RETURN FAN #125	10
11		2106	3			4212	3	2106		12
13	PENTHOUSE LIGHTING	–	20/1	–			15 /	–		14
15	SPARE	–	20/1		–			–	PANEL "E2APL"	16
17	SPARE	–	20/1			–	3	–		18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30
	CONNECTED LOAD (VA) PER PHASE			8424	8424	8424		25272	TOTAL CONNECTED LOAD (VA)	

CONNECTED LOAD (AMPS) ON MAX PHASE = 30

PANELBOARD SCHEDULE — "E2APL" (PANEL I.D.)

208/120V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | 30A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #3 — FED FROM: " " FROM 9 KVA XFMR. "E2APT"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	USED	–	20/1	–			20/1	–	USED	2
3	USED	–	20/1		–		20/1	–	USED	4
5	USED	–	20/1			–	20/1	–	USED	6
7	USED	–	20/1	–			20/1	–	USED	8
9	USED	–	20/1		–		20/1	–	USED	10
11	USED	–	20/1			–	20/1	–	USED	12
13	SPACE	–	20/1	–			20/1	–	SPACE	14
15	SPACE	–	20/1		–		20/1	–	SPACE	16
17	SPACE	–	20/1			–	20/1	–	SPACE	18
19	SPACE	–	20/1	–			20/1	–	SPACE	20
21	SPACE	–	20/1		–		20/1	–	SPACE	22
23	SPACE	–	20/1			–	20/1	–	SPACE	24
	CONNECTED LOAD (VA) PER PHASE			–	–	–		–	TOTAL CONNECTED LOAD (VA)	

CONNECTED LOAD (AMPS) ON MAX PHASE = –

AS BUILT INFORMATION

Contractor
Work Started By / Date
Substantial Acceptance By / Date
Final Acceptance By / Date
Verification By / Date
Drawings Corrected By / Date

MICRO-FILM INFORMATION

Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER — STATE OF NEW MEXICO — NO. 16439 — REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

No.	Date	Remarks	By

REVISIONS

DESIGN — Date: — Designed By: ASCG — Date: — Drawn By: ASCG — Date: — Checked By: ASCG

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

PENTHOUSE PANEL SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.14	110	124

2 6 – 7 2 5 9 . 1 1 – 0 8

K:\A04008a05\EAs-Built\A04008A05-E714.DWG

PENTHOUSE #4

PANELBOARD SCHEDULE **"E2HPP"** (NEW PANEL I.D.) "N2BPP" (OLD PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #4 — FED FROM: "2N52" FROM SWITCHBOARD "NDS2"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		9422	100 /	16904			70 /	7482		2
3	SUPPLY FAN #89	9422			16904			7482	SUPPLY FAN #80	4
5		9422	3			16904	3	7482		6
7		–	20 /	–			15 /	–		8
9	SPARE	–		–				–	SPARE	10
11		–	3			–	3	–		12
13		9422	70	9422			20/1	–	PENTHOUSE LIGHTING	14
15	SUPPLY FAN #82	9422			9422		20/1	–	SPARE	16
17		9422	3			9422	20/1	–	SPARE	18
19	–	–	–	–			20 /	–		20
21	–	–	–		–			–	SPARE	22
23	–	–	–			–	3 /	–		24
25	–	–	–	–			100 /	6318		26
27	–	–	–		–			6318	PANEL "E2BPP"	28
29	–	–	–			–	3 /	6318		30

CONNECTED LOAD (VA) PER PHASE: 26326 | 26326 | 26326 — 78978 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 95

PANELBOARD SCHEDULE **"E2BPP"** (PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #4 — FED FROM: "2E52" FROM SWITCHBOARD "EDS2"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20 /	4212			20 /	2106		2
3	RETURN FAN #128	2106			4212			2106	RETURN FAN #119	4
5		2106	3			4212	3	2106		6
7		2106	20 /	2106			20 /	–		8
9	RETURN FAN #121	2106			2106			–	PANEL "E2BPL"	10
11		2106	3			2106	3	–		12
13	PENTHOUSE LIGHTING	–	20/1	–			20 /	–		14
15	SPARE	–	20/1		–			–	SPARE	16
17	SPARE	–	20/1			–	3 /	–		18
19	–	–	–	–			– /	–	–	20
21	–	–	–		–			–	–	22
23	–	–	–			–	– /	–	–	24
25	–	–	–	–			– /	–	–	26
27	–	–	–		–			–	–	28
29	–	–	–			–	– /	–	–	30

CONNECTED LOAD (VA) PER PHASE: 6318 | 6318 | 6318 — 18954 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 23

PANELBOARD SCHEDULE **"E2BPL"** (PANEL I.D.)

208/120V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | 40A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #4 — FED FROM: "2E64" FROM 15 KVA XFMR. "E2BPT"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	DGC PANEL	–	20/1	–			20/1	–	RECEPTACLES	2
3	RECEPTACLES	–	20/1		–		20/1	–	VFD #89/128	4
5	DUCT DETECTORS	–	20/1			–	20/1	–	VFD #80/119	6
7	VFD #82/121	–	20/1	–			–	–	–	8
9	MATRIX PANEL	–	20/1		–		–	–	–	10
11	SPARE	–	20/1			–	–	–	–	12
13	–	–	–	–			–	–	–	14
15	–	–	–		–		–	–	–	16
17	–	–	–			–	–	–	–	18

CONNECTED LOAD (VA) PER PHASE: – | – | – — – TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = –

PENTHOUSE #5

PANELBOARD SCHEDULE **"E2JPP"** (NEW PANEL I.D.) "N2CPP" (OLD PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #5 — FED FROM: "2N53" FROM SWITCHBOARD "NDS2"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		9422	100 /	18844			100 /	9422		2
3	SUPPLY FAN #90	9422			18844			9422	SUPPLY FAN #81	4
5		9422	3			18844	3	9422		6
7		–	15 /	–			15 /	–		8
9	SPARE	–		–				–	SPARE	10
11		–	3			–	3	–		12
13		7482	70	7482			20/1	–	PENTHOUSE LIGHTING	14
15	SUPPLY FAN #92	7482			7482		20/1	–	SPARE	16
17		7482	3			7482	20/1	–	SPARE	18
19	–	–	–	–			20 /	–		20
21	–	–	–		–			–	SPARE	22
23	–	–	–			–	3 /	–		24
25	–	–	–	6318			100 /	6318		26
27	–	–	–		6318			6318	PANEL "E2CPP"	28
29	–	–	–			6318	3 /	6318		30

CONNECTED LOAD (VA) PER PHASE: 32644 | 32644 | 32644 — 97932 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 118

PANELBOARD SCHEDULE **"E2CPP"** (PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #5 — FED FROM: "2E53" FROM SWITCHBOARD "EDS2"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20 /	4212			20 /	2106		2
3	RETURN FAN #129	2106			4212			2106	RETURN FAN #120	4
5		2106	3			4212	3	2106		6
7		2106	20 /	2106			20/1	–	PENTHOUSE LIGHTING	8
9	RETURN FAN #131	2106			2106		20/1	–	SPARE	10
11		2106	3			2106	20/1	–	SPARE	12
13		–	20 /	–			20 /	–		14
15	PANEL "E2CPL"	–		–				–	SPARE	16
17		–	3			–	3 /	–		18
19	–	–	–	–			– /	–	–	20
21	–	–	–		–			–	–	22
23	–	–	–			–	– /	–	–	24
25	–	–	–	–			– /	–	–	26
27	–	–	–		–			–	–	28
29	–	–	–			–	– /	–	–	30

CONNECTED LOAD (VA) PER PHASE: 6318 | 6318 | 6318 — 18954 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 23

PANELBOARD SCHEDULE **"E2CPL"** (PANEL I.D.)

208/120V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | 40A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #5 — FED FROM: "2E66" FROM 15KVA XFMR. "X2CPT"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	DDCP	–	20/1	–			20/1	–	RECEPTACLE	2
3	RECEPTACLE	–	20/1		–		20/1	–	VFD #90/129	4
5	SPARE	–	20/1			–	20/1	–	VFD #81/120	6
7	VFD #92/131	–	20/1	–			20/1	–	FA CABINET "DGPF-P5"	8
9	SPARE	–	20/1		–		–	–	–	10
11	–	–	–			–	–	–	–	12
13	–	–	–	–			–	–	–	14
15	–	–	–		–		–	–	–	16
17	–	–	–			–	–	–	–	18

CONNECTED LOAD (VA) PER PHASE: – | – | – — – TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = –

PENTHOUSE #6

PANELBOARD SCHEDULE **"E2KPP"** (NEW PANEL I.D.) "N2DPP" (OLD PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #6 — FED FROM: "2N54" FROM SWITCHBOARD "NDS2"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		7482	70	16904			100 /	9422		2
3	SUPPLY FAN #91	7482			16904			9422	SUPPLY FAN #97	4
5		7482	3			16904	3	9422		6
7		1330	15	1330			15 /	–		8
9	GENERAL FAN #153	1330			1330			–	SPARE	10
11		1330	3			1330	3 /	–		12
13	PENTHOUSE LIGHTING	–	20/1	–			20 /	–		14
15	–	–	–		–			–	SPARE	16
17	–	–	–			–	3 /	–		18
19	–	–	–	–			– /	–	–	20
21	–	–	–		–			–	–	22
23	–	–	–			–	– /	–	–	24
25	–	–	–	–			– /	–	–	26
27	–	–	–		–			–	–	28
29	–	–	–			–	– /	–	–	30

CONNECTED LOAD (VA) PER PHASE: 18234 | 18234 | 18234 — 54702 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 66

PANELBOARD SCHEDULE **"E2DPP"** (PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #6 — FED FROM: "2E54" FROM SWITCHBOARD "EDS2"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20 /	4212			20 /	2106		2
3	RETURN FAN #130	2106			4212			2106	RETURN FAN #136	4
5		2106	3			4212	3	2106		6
7		9422	70	18844			70 /	9422		8
9	CC 66 AIR COMPRESSOR	9422			18844			9422	CC 66 AIR COMPRESSOR	10
11		9422	3			18844	3 /	9422		12
13	PENTHOUSE LIGHTING	–	20/1	–			20 /	–		14
15		7482	60		7482			–	PANEL "E2DPL"	16
17	PRI. AIR COMPRESSOR	7482				7482	3 /	–		18
19		7482	3	9588			20 /	2106		20
21	–	–	–		2106			2106	SEC. AIR COMPRESSOR	22
23	–	–	–			2106	3 /	2106		24
25	–	–	–	19176			100 /	19176		26
27	–	–	–		19176			19176	PANEL "E2KPP"	28
29	–	–	–			19176	3 /	19176		30

CONNECTED LOAD (VA) PER PHASE: 51820 | 51820 | 51820 — 155460 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 187

PANELBOARD SCHEDULE **"E2DPL"** (PANEL I.D.)

208/120V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | 40A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #6 — FED FROM: "2E30" FROM 9 KVA XFMR. "X2DPT"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	DDCP	–	20/1	–			20/1	–	RECEPTACLES	2
3	67 EM. AIR DRYER	–	20/1		–		20/1	–	VFD #91/130	4
5	VFD #97/136	–	20/1			–	20 /	–	HOUSE CLEANING RCPT.	6
7	CCTV 23-10 (LOBBY)	–	20/1	–			2 /	–		8
9	FIDS #23-08	–	20/1		–		20 /	–	HOUSE CLEANING RCPT.	10
11	FIDS #23-08	–	20/1			–	2 /	–		12
13	DUCT DETECTORS	–	20/1	–			20 /	–	HOUSE CLEANING RCPT.	14
15	AUTO. AIR VALVE	–	20/1		–		2 /	–		16
17	SPARE	–	20/1			–	20/1	–	FCU'S (ELEV. WALKWAY)	18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24

CONNECTED LOAD (VA) PER PHASE: – | – | – — – TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = –

AS BUILT INFORMATION

BENCH MARKS

SURVEY INFORMATION
Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

Contractor
Work Started By / Date
Substantial Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

No.	Date	Remarks	By
		REVISIONS	
		DESIGN	

Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
PENTHOUSE PANEL SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.15	111	124

2 6 – 7 2 5 9 . 1 1 – 0 8

K:\A04008b05\E\As-Built\A04008A05-E715.DWG

PENTHOUSE #7

PANELBOARD SCHEDULE — "E3FPP" (NEW PANEL I.D.) — "N3CPP" (OLD PANEL I.D.)

480/277V | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.
LOCATION: PENTHOUSE #7 — FED FROM: "3N48" FROM SWITCHBOARD "NDS3"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		9422	100	11528			20	2106		2
3	SUPPLY FAN #98	9422			11528			2106	GENERAL PURP. FAN #154	4
5		9422	3			11528	3	2106		6
7	SPACE	–	–	9422			100	9422		8
9	SPACE	–	–		9422			9422	SUPPLY FAN #93	10
11	SPACE	–	–			9422	3	9422		12
13	PENTHOUSE LIGHTING	600	20/1	600			–	–	SPACE	14
15	SPARE	–	20/1		–		–	–	SPACE	16
17	SPARE	–	20/1			–	–	–	SPACE	18
19	SPACE	–	–	–			–	–	SPACE	20
21	SPACE	–	–		–		–	–	SPACE	22
23	SPACE	–	–			–	–	–	SPACE	24
25	SPACE	–	–	–			–	–	SPACE	26
27	SPACE	–	–		–		–	–	SPACE	28
29	SPACE	–	–			–	–	–	SPACE	30
31	SPACE	–	–	–			–	–	SPACE	32
33	SPACE	–	–		–		–	–	SPACE	34
35	SPACE	–	–			–	–	–	SPACE	36
37	SPACE	–	–	7122			100	7122		38
39	SPACE	–	–		6012			6012	PANEL "E3CPP"	40
41	SPACE	–	–			6012	3	6012		42
	CONNECTED LOAD (VA) PER PHASE			28672	26962	26962		82596	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			104						

PANELBOARD SCHEDULE — "E3CPP" (PANEL I.D.)

480/277V | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.
LOCATION: PENTHOUSE #7 — FED FROM: "3E43" FROM SWITCHBOARD "EDS3"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20	4212			20	2106		2
3	RETURN FAN #132	2106			4212			2106	RETURN FAN #137	4
5		2106	3			4212	3	2106		6
7	PENTHOUSE LIGHTING	600	20/1	2910			15	2310		8
9	SPARE	–	20/1		1800			1800	PANEL "E3CPL"	10
11	SPARE	–	20/1			1800	3	1800		12
13	SPACE	–	–	–			–	–	SPACE	14
15	SPACE	–	–		–		–	–	SPACE	16
17	SPACE	–	–			–	–	–	SPACE	18
19	SPACE	–	–	–			–	–	SPACE	20
21	SPACE	–	–		–		–	–	SPACE	22
23	SPACE	–	–			–	–	–	SPACE	24
	CONNECTED LOAD (VA) PER PHASE			7122	6012	6012		19146	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			26						

PANELBOARD SCHEDULE — "E3CPL" (PANEL I.D.)

208/120V | 3 PHASES | 4 WIRES | 100A MAINS | 30A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.
LOCATION: PENTHOUSE #7 — FED FROM: "3E45" VIA 9 KVA XFMR. "E3CPT"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	DDCP	300	20/1	660			20/1	360	RECEPTACLES	2
3	VFD #93	300	20/1		600		20/1	300	VFD #98	4
5	DUCT DETECTORS/MATRIX	300	20/1			600	20/1	300	FBI ANTENNA REPEATER	6
7	EXISTING EQUIPMENT	1200	20/1	1650			20/1	450	DUCT MX BOX	8
9	EXISTING EQUIPMENT	1200	20/1		1200		20/1	–	–	10
11	EXISTING EQUIPMENT	1200	20/1			1200	20/1	–	–	12
13	–	–	20/1	–			20/1	–	–	14
15	–	–	20/1		–		20/1	–	–	16
17	–	–	20/1			–	20/1	–	–	18
	CONNECTED LOAD (VA) PER PHASE			2310	1800	1800		5910	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			19						

PENTHOUSE #8

PANELBOARD SCHEDULE — "E2LPP" (NEW PANEL I.D.) — "N2EPP" (OLD PANEL I.D.)

480/277V | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.
LOCATION: PENTHOUSE #8 — FED FROM: "2N56" FROM SWITCHBOARD "NDS2"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		9422	100	10364			15	942		2
3	SUPPLY FAN #94	9422			10364			942	GENERAL FAN #155	4
5		9422	3			10364	3	942		6
7		–	15	7482			70	7482		8
9	SPARE	–			7482			7482	SUPPLY FAN #101	10
11		–	3			7482	3	7482		12
13	PENTHOUSE LIGHTING	600	20/1	600			20	–		14
15	SPARE	–	20/1		–			–	SPARE	16
17	SPARE	–	20/1			–	3	–		18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30
	CONNECTED LOAD (VA) PER PHASE			18446	17846	17846		54138	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			67						

PANELBOARD SCHEDULE — "E2EPP" (PANEL I.D.)

480/277V | 3 PHASES | 4 WIRES | 2252A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.
LOCATION: PENTHOUSE #8 — FED FROM: "2E56" FROM SWITCHBOARD "EDS2"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20	4212			20	2106		2
3	RETURN FAN #140	2106			4212			2106	RETURN FAN #133	4
5		2106	3			4212	3	2106		6
7	PENTHOUSE LIGHTING	600	20/1	1260			15	660		8
9	SPARE	–	20/1		600			600	PANEL "E2EPL"	10
11	SPARE	–	20/1			600	3	600		12
13	–	–	–	–			20	–		14
15	–	–	–		–			–	SPARE	16
17	–	–	–			–	3	–		18
19	–	–	–	18446			100	18446		20
21	–	–	–		17846			17846	PANEL "E2LPP"	22
23	–	–	–			17846	3	17846		24
	CONNECTED LOAD (VA) PER PHASE			23918	22658	22658		69234	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			86						

PANELBOARD SCHEDULE — "E2EPL" (PANEL I.D.)

208/120V | 3 PHASES | 4 WIRES | 100A MAINS | 30A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.
LOCATION: PENTHOUSE #8 — FED FROM: "2E60" VIA 9 KVA XFMR. "E2EPT"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	DDCP	300	20/1	660			20/1	360	RECEPTACLES	2
3	VFD #94/140	300	20/1		600		20/1	300	VFD #101/133	4
5	DUCT DETECTORS	300	20/1			600	20/1	300	MATRIX RDP	6
7	FIRE SMOKE DAMP	300	20/1	300			–	–	–	8
9		792	20		792		–	–	–	10
11	EF-1	792				792	–	–	–	12
13		792	3	792			–	–	–	14
15	–	–	–		–		–	–	–	16
17	–	–	–			–	–	–	–	18
	CONNECTED LOAD (VA) PER PHASE			1752	1392	1392		4536	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			15						

PENTHOUSE #9

PANELBOARD SCHEDULE — "E2MPP" (NEW PANEL I.D.) — "N2FPP" (OLD PANEL I.D.)

480/277V | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.
LOCATION: PENTHOUSE #9 — FED FROM: "2N45" FROM SWITCHBOARD "NDS2"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		–	70	–			15	–		2
3	SPARE	–			–			–	SPARE	4
5		–	3			–	3	–		6
7		–	15	7482			70	7482		8
9	SPARE	–			7482			7482	SUPPLY FAN #100	10
11		–	3			7482	3	7482		12
13		7482	70	7482			20/1	–	PENTHOUSE LIGHTING	14
15	SUPPLY FAN #99	7482			7482		20/1	–	BOILER ROOM LIGHTING	16
17		7482	3			7482	20/1	–	SPARE	18
19		3880	30	3880			20	–		20
21	<RTU>	3880			3880			–	SPARE	22
23		3880	3			3880	3	–		24
25		3880	30	8092			100	4212		26
27	<RTU>	3880			8092			4212	PANEL "E2FPP"	28
29		3880	3			8092	3	4212		30
	CONNECTED LOAD (VA) PER PHASE			26936	26936	26936		80808	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			97						

PANELBOARD SCHEDULE — "E2FPP" (PANEL I.D.)

480/277V | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.
LOCATION: PENTHOUSE #9 — FED FROM: "2E55" FROM SWITCHBOARD "EDS2"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20	4212			20	2106		2
3	RETURN FAN #139	2106			4212			2106	RETURN FAN #138	4
5		2106	3			4212	3	2106		6
7	PENTHOUSE LIGHTING	–	20/1	–			15	–		8
9	SPARE	–	20/1		–			–	PANEL "E2FPL"	10
11	SPARE	–	20/1			–	3	–		12
13	–	–	–	–			20	–		14
15	–	–	–		–			–	SPARE	16
17	–	–	–			–	3	–		18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
	CONNECTED LOAD (VA) PER PHASE			4212	4212	4212		12636	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			15						

PANELBOARD SCHEDULE — "E2FPL" (PANEL I.D.)

208/120V | 3 PHASES | 4 WIRES | 100A MAINS | 30A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.
LOCATION: PENTHOUSE #9 — FED FROM: "2E58" FROM 9 KVA XFMR. "E2FPX"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	øA	øB	øC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	DDCP	–	20/1	–			20/1	–	RECEPTACLES	2
3	VFD #99/138	–	20/1		–		20/1	–	VFD #100/139	4
5	FA PANEL & DEVICES	–	20/1			–	20/1	–	BOILER	6
7	WATER SOFTENER	–	20/1	–			–	–	SPACE	8
9	BOILER CIRC. PUMP	–	20/1		–		20/1	–	<MUA> PUMP	10
11	SPACE	–	–			–	20/1	–	<MUA> PUMP	12
13	SPARE	–	20/1	–			20/1	–	HEAT TAPE	14
15	SPACE	–	–		–		–	–	SPACE	16
17	SPACE	–	–			–	–	–	SPACE	18
	CONNECTED LOAD (VA) PER PHASE			–	–	–		–	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			–						

AS BUILT INFORMATION

BENCH MARKS

No.	Date	Field Notes By

SURVEY INFORMATION

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER — STATE OF NEW MEXICO — NO. 16439 — REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

Contractor	Date
Work Started By	
Substantial Acceptance By	Date
Final Acceptance By	Date
Verification By Drawings	Date
Corrected By	Date

MICRO-FILM INFORMATION

Recorded By — Date — No.

No.	Date	Remarks	By

REVISIONS

DESIGN — Designed By: ASCG — Date: — Drawn By: ASCG — Date: — Checked By: ASCG — Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

PENTHOUSE PANEL SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E7.16	112124	

2 6 – 7 2 5 9 . 1 1 – 0 8

K:\A04008a05\E\As-Built\A04008A05-E716.DWG

PENTHOUSE #10

PANELBOARD SCHEDULE — "E5DPP" (NEW PANEL I.D.) — "N5CPP" (OLD PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE#10 — FED FROM: "5N6" FROM SWITCHBOARD "ND5S"

CCT. NO.	DESCRIPTION	VA	BKR. AMP/POLE	ØA	ØB	ØC	BKR. AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		9422	100	10364			15	942		2
3	SUPPLY FAN #107	9422			10364			942	GENERAL FAN #157	4
5		9422	3			10364	3	942		6
7		–	15	–			20	–		8
9	SPARE	–			–			–	SPARE	10
11		–	3			–	3	–		12
13		9422	100	18844			100	9422		14
15	SUPPLY FAN #104	9422			18844			9422	SUPPLY FAN #95	16
17		9422	3			18844	3	9422		18
19		9422	100	10752			15	1330		20
21	SUPPLY FAN #103	9422			10752			1330	GENERAL FAN #156	22
23		9422	3			10752	3	1330		24
25	PENTHOUSE LIGHTING	600	20/1	600			20	–		26
27	SPARE	–	20/1		–			–	SPARE	28
29	SPARE	–	20/1			–	3	–		30
31	–	–	–	–			–	–	–	32
33	–	–	–		–		–	–	–	34
35	–	–	–			–	–	–	–	36
37	–	–	–	10284			100	10284		38
39	–	–	–		9624			9624	PANEL "E5CPP"	40
41	–	–	–			9324	3	9324		42

CONNECTED LOAD (VA) PER PHASE: 51343 | 50083 | 49783 — 151209 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 186

PANELBOARD SCHEDULE — "E5CPP" (PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #10 — FED FROM: "5E36" FROM SWITCHBOARD "ED5S"

CCT. NO.	DESCRIPTION	VA	BKR. AMP/POLE	ØA	ØB	ØC	BKR. AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20	4212			20	2106		2
3	RETURN FAN #145	2106			4212			2106	RETURN FAN #142	4
5		2106	3			4212	3	2106		6
7		2106	20	4212			20	2106		8
9	RETURN FAN #134	2106			4212			2106	RETURN FAN #141	10
11		2106	3			4212	3	2106		12
13	PENTHOUSE LIGHTING	600	20/1	1860			15	1260		14
15	SPARE	–	20/1		1200			1200	PANEL "E5CPL"	16
17	SPARE	–	20/1			900	3	900		18
19	–	–	–	–			20	–		20
21	–	–	–		–			–	SPARE	22
23	–	–	–			–	3	–		24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30

CONNECTED LOAD (VA) PER PHASE: 10284 | 9624 | 9324 — 29232 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 37

PANELBOARD SCHEDULE — "E5CPL" (PANEL I.D.)

208/120V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | 30A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #10 — FED FROM: "5E42" VIA 9 KVA XFMR. "E5CPT"

CCT. NO.	DESCRIPTION	VA	BKR. AMP/POLE	ØA	ØB	ØC	BKR. AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	DDCP	300	20/1	660			20/1	360	RECEPTACLES	2
3	VFD #95/134	300	20/1		600		20/1	300	VFD #107/145	4
5	VFD #104/142	300	20/1			600	20/1	300	VFD #103/141	6
7	MATRIX PANEL	300	20/1	600			20/1	300	DUCT DETECTORS	8
9	TSA WIRELESS	300	20/1		600		20/1	300	TCI CONTROL PANEL	10
11	VMA XMORS	300	20/1			480	20/1	180	FIRE/SMOK DAMP	12
13	–	–	–	–			–	–	–	14
15	–	–	–		–		–	–	–	16
17	–	–	–			–	–	–	–	18

CONNECTED LOAD (VA) PER PHASE: 1260 | 1200 | 900 — 3360 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 11

PENTHOUSE #11

PANELBOARD SCHEDULE — "E5FPP" (NEW PANEL I.D.) — "N5APP" (OLD PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #11 — FED FROM: (2 1/2"C. W/#4/0) "5N8" FROM SWITCHBOARD "ND5S"

CCT. NO.	DESCRIPTION	VA	BKR. AMP/POLE	ØA	ØB	ØC	BKR. AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		–	15	9422			100	9422		2
3	SPARE	–			9422			9422	SUPPLY FAN #105	4
5		–	3			9422	3	9422		6
7		9422	100	10022			20/1	600	PENTHOUSE LIGHTING	8
9	SUPPLY FAN #106	9422			9422		20/1	–	SPARE	10
11		9422	3			9422	20/1	–	SPARE	12
13	–	–	–	–			20	–		14
15	–	–	–		–			–	SPARE	16
17	–	–	–			–	3	–		18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30
31	–	–	–	–			–	–	–	32
33	–	–	–		–		–	–	–	34
35	–	–	–			–	–	–	–	36
37	–	–	–	7122			100	7122		38
39	–	–	–		5112			5112	PANEL "E5APP"	40
41	–	–	–			6912	3	6912		42

CONNECTED LOAD (VA) PER PHASE: 26566 | 23956 | 25756 — 76278 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 96

PANELBOARD SCHEDULE — "E5APP" (PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #11 — FED FROM: "5E37" FROM SWITCHBOARD "ED5S"

CCT. NO.	DESCRIPTION	VA	BKR. AMP/POLE	ØA	ØB	ØC	BKR. AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20	4212			20	2106		2
3	RETURN FAN #143	2106			4212			2106	RETURN FAN #144	4
5		2106	3			4212	3	2106		6
7	PENTHOUSE LIGHTING	600	20/1	2910			15	2310		8
9	SPARE	–	20/1		900			900	PANEL "E5APL"	10
11	SPARE	–	20/1			2700	3	2700		12
13		–	20	–			–	–	–	14
15	SPARE	–			–			–	–	16
17		–	3			–		–	–	18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30

CONNECTED LOAD (VA) PER PHASE: 7122 | 5112 | 6912 — 19146 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 26

PANELBOARD SCHEDULE — "E5APL" (PANEL I.D.)

208/120V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | 30A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #11 — FED FROM: "5E32" VIA 9 KVA XFMR. "E5APT"

CCT. NO.	DESCRIPTION	VA	BKR. AMP/POLE	ØA	ØB	ØC	BKR. AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	DDCP	300	20/1	660			20/1	360	RECEPTACLES	2
3	VFD #105	300	20/1		600		20/1	300	VFD #106	4
5	EXISTING EQUIPMENT	1200	20/1			1500	20/1	300	MATRIX RCPT.	6
7	EXISTING EQUIPMENT	1200	20/1	1650			20/1	450	DUCT MX BOX	8
9	FACP	300	20/1		300		–	–	–	10
11	EXISTING EQUIPMENT	1200	20/1			1200	–	–	–	12
13	–	–	–	–			–	–	–	14
15	–	–	–		–		–	–	–	16
17	–	–	–			–	–	–	–	18

CONNECTED LOAD (VA) PER PHASE: 2310 | 900 | 2700 — 5910 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 23

PENTHOUSE #12

PANELBOARD SCHEDULE — "E5EPP" (NEW PANEL I.D.) — "N5BPP" (OLD PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #12 — FED FROM: (2 1/2"C. W/#4/0) "5N7" FROM SWITCHBOARD "ND5S"

CCT. NO.	DESCRIPTION	VA	BKR. AMP/POLE	ØA	ØB	ØC	BKR. AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		–	15	–			15	–		2
3	SPARE	–			–			–	SPARE	4
5		–	3			–	3	–		6
7		9422	100	18844			100	9422		8
9	SUPPLY FAN #110	9422			18844			9422	SUPPLY FAN #109	10
11		9422	3			18844	3	9422		12
13		1330	15	1930			20/1	600	PENTHOUSE LIGHTING	14
15	GENERAL FAN #158	1330			1330		20/1	–	SPARE	16
17		1330	3			1330	20/1	–	SPARE	18
19	–	–	–	–			–	–		20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30
31	–	–	–	–			–	–	–	32
33	–	–	–		–		–	–	–	34
35	–	–	–			–	–	–	–	36
37	–	–	–	5922			100	5922		38
39	–	–	–		4812			4812	PANEL "E5BPP"	40
41	–	–	–			4812	3	4812		42

CONNECTED LOAD (VA) PER PHASE: 26696 | 24986 | 24986 — 76668 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 96

PANELBOARD SCHEDULE — "E5BPP" (PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #12 — FED FROM: "5E38" FROM SWITCHBOARD "ED5S"

CCT. NO.	DESCRIPTION	VA	BKR. AMP/POLE	ØA	ØB	ØC	BKR. AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20	4212			20	2106		2
3	RETURN FAN #148	2106			4212			2106	RETURN FAN #147	4
5		2106	3			4212	3	2106		6
7		1110	15	1710			20/1	600	PENTHOUSE LIGHTING	8
9	PANEL "E5BPL"	600			600		20/1	–	SPARE	10
11		600	3			600	20/1	–	SPARE	12
13	–	–	–	–			20	–		14
15	–	–	–		–			–	SPARE	16
17	–	–	–			–	3	–		18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30

CONNECTED LOAD (VA) PER PHASE: 5922 | 4812 | 4812 — 15546 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 21

PANELBOARD SCHEDULE — "E5BPL" (PANEL I.D.)

208/120V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | 30A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | – A.I.C. RMS SYM.

LOCATION: PENTHOUSE #12 — FED FROM: "5E40" VIA 9 KVA XFMR. "E5BPT"

CCT. NO.	DESCRIPTION	VA	BKR. AMP/POLE	ØA	ØB	ØC	BKR. AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	DDCP	300	20/1	660			20/1	360	RECEPTACLES	2
3	VFD #110	300	20/1		600		20/1	300	VFD #109	4
5	DUCT DETECTORS	300	20/1			600	20/1	300	MATRIX RECEPTACLE	6
7	–	–	–	450			20/1	450	DUCT MX BOX	8
9	–	–	–		–		20/1	–	SPARE	10
11	–	–	–			–	20/1	–	SPARE	12
13	–	–	–	–			–	–	–	14
15	–	–	–		–		–	–	–	16
17	–	–	–			–	–	–	–	18

CONNECTED LOAD (VA) PER PHASE: 1110 | 600 | 600 — 2310 TOTAL CONNECTED LOAD (VA)

CONNECTED LOAD (AMPS) ON MAX PHASE = 9

AS BUILT INFORMATION

Contractor
Work Started By / Date
Substantial Completion By / Date
Acceptance By / Date
Final Inspection By / Date
Verification By / Date
Drawings Corrected By / Date

MICRO-FILM INFORMATION

Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER — STATE OF NEW MEXICO — NO. 16439 — REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

No.	Remarks	By	Date
	REVISIONS		
	DESIGN		Date:
			Date:
			Date:

Designed By: ASCG
Drawn By: ASCG
Checked By: ASCG

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

PENTHOUSE PANEL SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.17	113	124

2 6 - 7 2 5 9 . 1 1 - 0 8

K:\A04008a05\E\As-Built\A04008A05-E717.DWG

PENTHOUSE #13

PANELBOARD SCHEDULE — "E4DPP" (NEW PANEL I.D.) — "N4APP" (OLD PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 225A MAINS | 225A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | — A.I.C. RMS SYM.

LOCATION: PENTHOUSE #13 — FED FROM: SWITCHBOARD "NDS4"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	ØA	ØB	ØC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		–	20	600			20/1	600	PENTHOUSE LIGHTING	2
3	SPARE	–			–		20/1	–	SPARE	4
5		–	3			–	20/1	–	SPARE	6
7		9422	100	9921			20	499		8
9	SUPPLY FAN #108	9422			9921			499	EF-1	10
11		9422	3			9921	3	499		12
13		–	20	–			20	–		14
15	SPARE	–			–			–	SPARE	16
17		–	3			–	3	–		18
19	–	–	–	–				–	–	20
21	–	–	–		–			–	–	22
23	–	–	–			–		–	–	24
25	–	–	–	–				–	–	26
27	–	–	–		–			–	–	28
29	–	–	–			–		–	–	30
31	–	–	–	–				–	–	32
33	–	–	–		–			–	–	34
35	–	–	–			–		–	–	36
37	–	–	–	8208			100	8208		38
39	–	–	–		8454			8454	PANEL "E4APP"	40
41	–	–	–			7098	3	7098		42
	CONNECTED LOAD (VA) PER PHASE			18729	18375	17019		54123	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			66						

PANELBOARD SCHEDULE — "E4APP" (PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | — A.I.C. RMS SYM.

LOCATION: PENTHOUSE #13 — FED FROM: SWITCHBOARD "EDS4"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	ØA	ØB	ØC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20	2706			20/1	600	PENTHOUSE LIGHTING	2
3	RETURN FAN #146	2106			2106		20/1	–	SPARE	4
5		2106	3			2106	20/1	–	SPARE	6
7		–	20	1410			15	1410		8
9	SPARE	–			900			900	PANEL "E4APL"	10
11		–	3			2364	3	2364		12
13		4092	40	4092			–	–	–	14
15	PANEL "E4APP"	5448			5448		–	–	–	16
17		2628	3			2628	–	–	–	18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
	CONNECTED LOAD (VA) PER PHASE			8208	8454	7098		23760	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			31						

PANELBOARD SCHEDULE — "E4APL" (PANEL I.D.)

208/120V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | 30A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | — A.I.C. RMS SYM.

LOCATION: PENTHOUSE #13 — FED FROM: 9 KVA XFMR. "E4BPT"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	ØA	ØB	ØC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	DDCP	300	20/1	660			20/1	360	RECEPTACLES	2
3	VFD	300	20/1		600		20/1	300	WATER SOFTENER	4
5	WATER HEATER #38	1200	20/1			2064	20/1	864	RECIRC. PUMP	6
7	SMOKE DETECTOR	300	20/1	750			20/1	450	DUCT MX BOX	8
9	FIRE ALARM PANEL	300	20/1		300		–	–	–	10
11	MATRIX RECEPTACLE	300	20/1			300	–	–	–	12
13	–	–	–	–			–	–	–	14
15	–	–	–		–		–	–	–	16
17	–	–	–			–	–	–	–	18
	CONNECTED LOAD (VA) PER PHASE			1410	900	2364		4674	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			20						

PENTHOUSE #14

PANELBOARD SCHEDULE — "E4CPP" (NEW PANEL I.D.) — "N4BPP" (OLD PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 225A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | — A.I.C. RMS SYM.

LOCATION: PENTHOUSE #14 — FED FROM: SWITCHBOARD "NDS4"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	ØA	ØB	ØC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		–	15	–			20	–		2
3	SPARE	–			–			–	SPARE	4
5		–	3			–	3	–		6
7		2106	20	13191			100	11085		8
9	GENERAL FAN #159	2106			13191			11085	SUPPLY FAN #96	10
11		2106	3			13191	3	11085		12
13		11085	100	11085			20	–		14
15	SUPPLY FAN #111	11085			11085			–	SPARE	16
17		11085	3			11085	3	–		18
19	PENTHOUSE LIGHTING	600	20/1	600				–	–	20
21	SPARE	–	20/1		–			–	–	22
23	SPARE	–	20/1			–		–	–	24
25	–	–	–	–				–	–	26
27	–	–	–		–			–	–	28
29	–	–	–			–		–	–	30
31	–	–	–	–				–	–	32
33	–	–	–		–			–	–	34
35	–	–	–			–		–	–	36
37	–	–	–	5772			100	5772		38
39	–	–	–		4812			4812	PANEL "E4BPP"	40
41	–	–	–			5262	3	5262		42
	CONNECTED LOAD (VA) PER PHASE			30648	29088	29538		89274	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			111						

PANELBOARD SCHEDULE — "E4BPP" (PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | — A.I.C. RMS SYM.

LOCATION: PENTHOUSE #14 — FED FROM: SWITCHBOARD "EDS4"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	ØA	ØB	ØC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		2106	20	4212			20	2106		2
3	RETURN FAN #149	2106			4212			2106	RETURN FAN #135	4
5		2106	3			4212	3	2106		6
7	PENTHOUSE LIGHTING	600	20/1	1560			15	960		8
9	SPARE	–	20/1		600			600	PANEL "E4BPL"	10
11	SPARE	–	20/1			1050	3	1050		12
13	–	–	–	–			–	–	–	14
15	–	–	–		–		–	–	–	16
17	–	–	–			–	–	–	–	18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
	CONNECTED LOAD (VA) PER PHASE			5772	4812	5262		15846	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			21						

PANELBOARD SCHEDULE — "E4BPL" (PANEL I.D.)

208/120V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | 40A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | — A.I.C. RMS SYM.

LOCATION: PENTHOUSE #14 — FED FROM: 9 KVA XFMR. "E4BPT"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	ØA	ØB	ØC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	DDCP	300	20/1	660			20/1	360	RECEPTACLES	2
3	VFD #96	300	20/1		600		20/1	300	VFD #111	4
5	SMOKE DETECTORS	300	20/1			750	20/1	450	DUCT MX BOX	6
7	MATRIX PANEL	300	20/1	300			–	–	–	8
9	SPARE	–	20/1		–		–	–	–	10
11	CONTINENTAL RADIO	300	20/1			300	–	–	–	12
13	–	–	–	–			–	–	–	14
15	–	–	–		–		–	–	–	16
17	–	–	–			–	–	–	–	18
	CONNECTED LOAD (VA) PER PHASE			960	600	1050		2610	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			9						

PENTHOUSE #15

PANELBOARD SCHEDULE — "E5GPP" (NEW PANEL I.D.) — "N5DPP" (OLD PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | — A.I.C. RMS SYM.

LOCATION: PENTHOUSE #15 — FED FROM: (2"C.) SWITCHBOARD "NDS5"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	ØA	ØB	ØC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1		9422	70	18844			70	9422		2
3	AIR HANDLER (EAST)	9422			18844			9422	AIR HANDLER (WEST)	4
5		9422	3			18844	3	9422		6
7		–	15	–			15	–		8
9	SPARE	–			–			–	SPARE	10
11		–	3			–	3	–		12
13	PENTHOUSE LIGHTING	600	20/1	600			–	–	–	14
15	–	–	–		–		–	–	–	16
17	–	–	–			–	–	–	–	18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30
31	–	–	–	–			–	–	–	32
33	–	–	–		–		–	–	–	34
35	–	–	–			–	–	–	–	36
37	–	–	–	8907			100	8907		38
39	–	–	–		5937			5937	PANEL "E5DPP"	40
41	–	–	–			6957	3	6957		42
	CONNECTED LOAD (VA) PER PHASE			28351	24781	25801		78933	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			102						

PANELBOARD SCHEDULE — "E5DPP" (PANEL I.D.)

480/277V VOLTAGE | 3 PHASES | 4 WIRES | 100A MAINS | MLO MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | — A.I.C. RMS SYM.

LOCATION: PENTHOUSE #15 — FED FROM: SWITCHBOARD "EDS5"

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	ØA	ØB	ØC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	PENTHOUSE LIGHTING	600	20/1	600			20	–		2
3		2106	20		2106			–	SPARE	4
5	RETURN AIR FAN	2106				2106	3	–		6
7		2106	3	2106			20/1	–	SPARE	8
9	SPARE	–	20/1		–		20/1	–	SPARE	10
11	SPARE	–	20/1			–	20/1	–	SPARE	12
13	SPARE	–	20/1	5370			20	5370		14
15		831	15		3831			3000	PANEL "E5DPL"	16
17	EF9	831				4851	3	4020		18
19		831	3	831			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30
31	–	–	–	–			–	–	–	32
33	–	–	–		–		–	–	–	34
35	–	–	–			–	–	–	–	36
37	–	–	–	–			–	–	–	38
39	–	–	–		–		–	–	–	40
41	–	–	–			–	–	–	–	42
	CONNECTED LOAD (VA) PER PHASE			8907	5937	6957		21801	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			32						

PANELBOARD SCHEDULE — "E5DPL" (PANEL I.D.)

208/120V VOLTAGE | 3 PHASES | 4 WIRES | 250A MAINS | 40A MAIN C.B. | YES GRD. BUS | NO S.U.S.E. | SURFACE MTG. | BOTTOM FEED | NO SKIRTS | YES DOOR-IN-DOOR | — A.I.C. RMS SYM.

LOCATION: PENTHOUSE#15 — FED FROM: 15 KVA XFMR.

CCT. NO.	DESCRIPTION	VA	BKR AMP/POLE	ØA	ØB	ØC	BKR AMP/POLE	VA	DESCRIPTION	CCT. NO.
1	PLUG DRYER	1200	20/1	1650			20/1	450	DUCT MX BOX	2
3	PLUG	180	20/1		180		20/1	–	SPARE	4
5	BASEBOARD HEATER	1200	20/1			1500	20/1	300	FIRE ALARM PANEL	6
7	BASEBOARD HEATER	1200	20/1	1200			20/1	–	SPARE	8
9	JOHNSON CONTROLS	300	20/1		2820		30	2520		10
11	–	–	20/1			2520		2520	AIR COMPRESSOR	12
13	–	–	20/1	2520			3	2520		14
15	–	–	–		–		–	–	–	16
17	–	–	–			–	–	–	–	18
19	–	–	–	–			–	–	–	20
21	–	–	–		–		–	–	–	22
23	–	–	–			–	–	–	–	24
25	–	–	–	–			–	–	–	26
27	–	–	–		–		–	–	–	28
29	–	–	–			–	–	–	–	30
31	–	–	–	–			–	–	–	32
33	–	–	–		–		–	–	–	34
35	–	–	–			–	–	–	–	36
37	–	–	–	–			–	–	–	38
39	–	–	–		–		–	–	–	40
41	–	–	–			–	–	–	–	42
	CONNECTED LOAD (VA) PER PHASE			5370	3000	4020		12390	TOTAL CONNECTED LOAD (VA)	
	CONNECTED LOAD (AMPS) ON MAX PHASE =			45						

AS BUILT INFORMATION

Contractor
Work Started By — Date
Work Finished By — Date
Acceptance By — Date
Accepted By — Date
Verification By — Date
Drawings Corrected By — Date
MICRO-FILM INFORMATION
Recorded By — Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER — STATE OF NEW MEXICO — NO. 16439 — REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

No.	Date	Remarks	By

REVISIONS

DESIGN
Designed By: ASCG — Date:
Drawn By: ASCG — Date:
Checked By: ASCG — Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

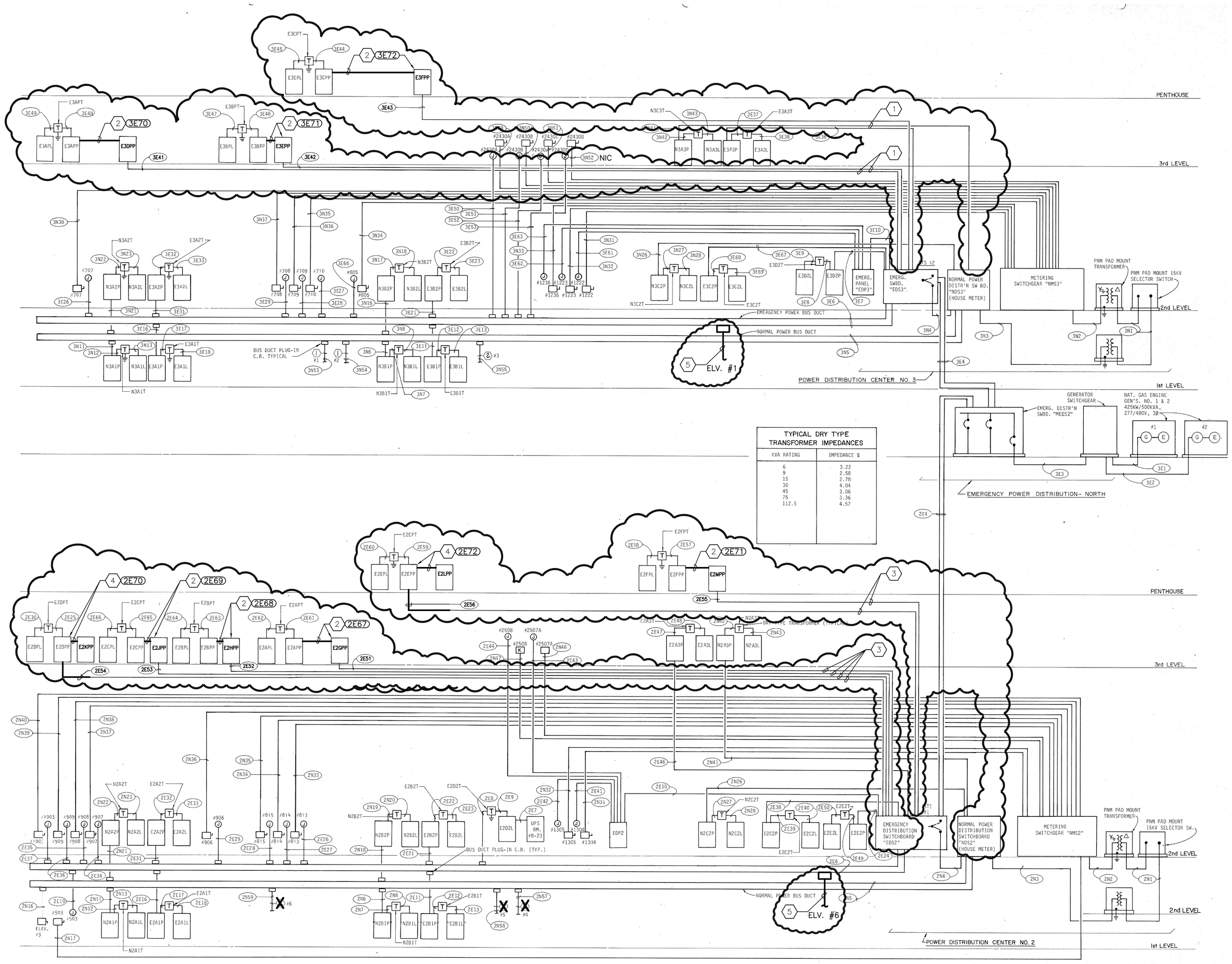
PENTHOUSE PANEL SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E7.18	114	124

2 6 – 7 2 5 9 . 1 1 – 0 8

K:\A04008a05\EAs-Built\A04008A05-E718.DWG



TYPICAL DRY TYPE TRANSFORMER IMPEDANCES	
KVA RATING	IMPEDANCE %
6	3.22
9	2.58
15	2.78
30	4.04
45	3.06
75	3.36
112.5	4.57

POWER RISER DIAGRAM – NORTH
N.T.S.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. REFER TO DRAWINGS E8.6 THROUGH E8.9 FOR FEEDER SCHEDULE.

C. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

D. ⊗ INDICATES EXISTING KEYED NOTE SYMBOL. EXISTING KEYED NOTES NOT USED

KEYED NOTES: ⬡

1. INTERCEPT EXISTING FEEDER TO SWITCHGEAR "NDS3" AND EXTEND TO EMERGENCY SWITCHBOARD "EDS3".
2. PROVIDE 600V, 100A, 3P BREAKER IN NORMAL POWER PANEL AND RECRUIT EMERGENCY PANEL AS INDICATED.
3. INTERCEPT EXISTING FEEDER TO SWITCHGEAR "NDS2" AND EXTEND TO EMERGENCY SWITCHBOARD "EDS2".
4. PROVIDE 100A/3P CIRCUIT BREAKER IN EXISTING EMERGENCY PANEL TO SERVE EXISTING PANEL AS INDICATED.
5. NEW 100A/3P BUSS PLUG FOR ELEVATOR. INTERCEPT EXISTING 1 1/4" CONDUIT WITH 3–#2 AND 1–#8 NEAR ASSOCIATED ELECTRICAL ROOM AND EXTEND TO NEW BUSS PLUG LOCATION.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Substantial Completion Acceptance By / Date
Final Inspection Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

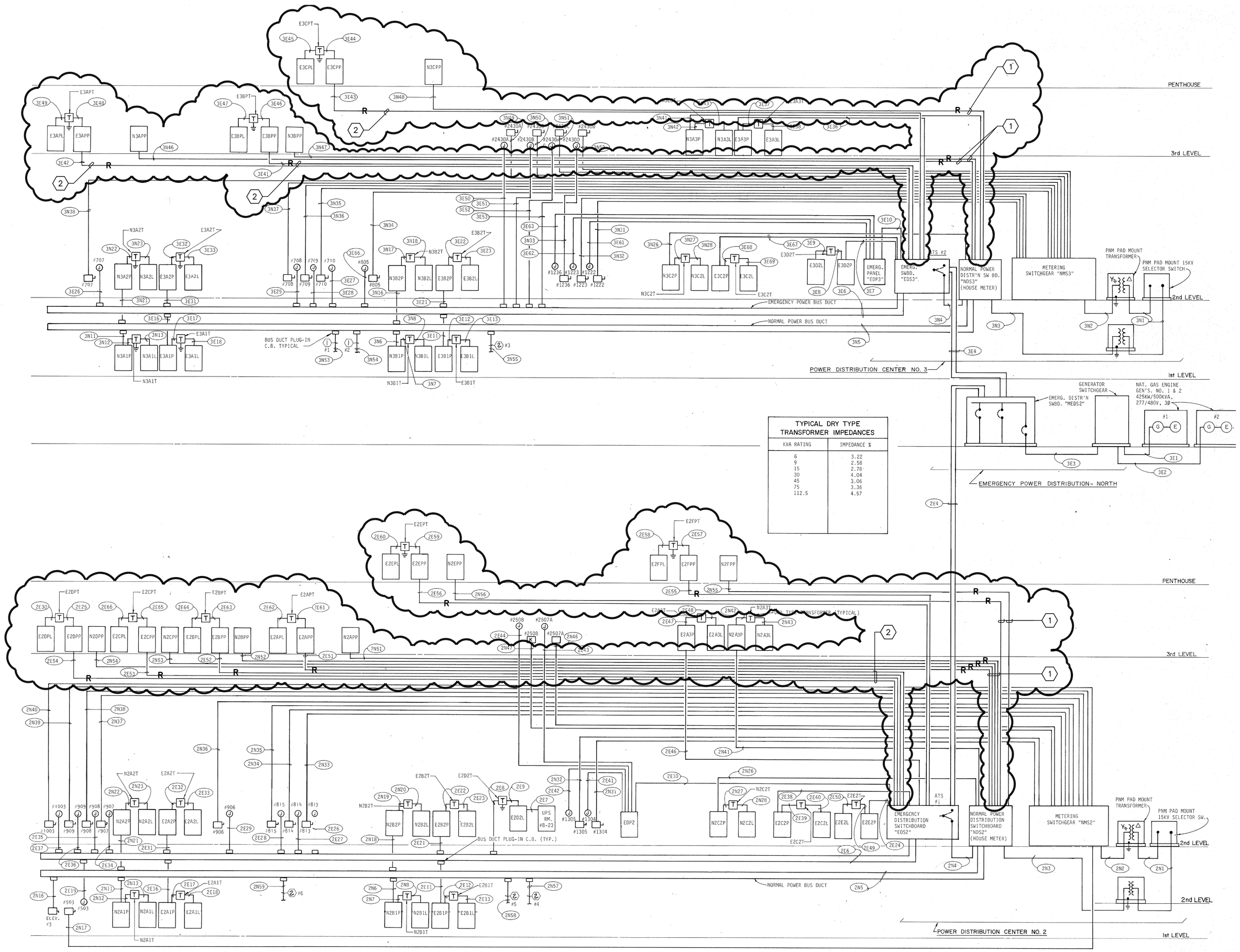
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
POWER RISER DIAGRAM – NORTH

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E8.4	115	124

2 6 – 7 2 5 9 . 1 1 – 0 8



TYPICAL DRY TYPE TRANSFORMER IMPEDANCES	
KVA RATING	IMPEDANCE %
6	3.22
9	2.58
15	2.78
30	4.04
45	3.06
75	3.36
112.5	4.57

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. REFER TO DRAWINGS E8.6 THROUGH E8.9 FOR FEEDER SCHEDULE.

C. IT IS THE INTENT OF THIS DESIGN TO RE-FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE-LABELED AS SHOWN ON THE FLOOR PLANS (SHEETS E7.3 THROUGH E7.10) AND NEW POWER RISER DIAGRAMS (SHEETS E8.4 & E8.5).

D. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

KEYED NOTES:

1. REMOVE PORTION OF FEEDER TO NORMAL POWER SWITCHBOARD. CIRCUIT IS TO BE INTERCEPTED AND ROUTED TO EMERGENCY SWITCHBOARD. COORDINATE WITH DRAWINGS E8.4 AND E8.5.

2. UPON COMPLETION OF RECIRCUITING OF NORMAL POWER SWITCHBOARDS TO EMERGENCY POWER SWITCHBOARDS AND RECIRCUITING AS INDICATED ON DRAWINGS E8.4 AND E8.5. REMOVE EXISTING FEEDER, CONDUIT AND CONDUCTORS BACK TO ASSOCIATED DISTRIBUTION BOARD.

POWER RISER DIAGRAM – NORTH – REMOVAL

N.T.S.

AS BUILT INFORMATION

Contractor

Work Started By / Date

Acceptance By / Date

Verification By / Date

Drawings Corrected By / Date

MICRO-FILM INFORMATION

Recorded By / Date

No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS	No.	Date	By
Remarks			

DESIGN
Designed By: BPLW Date:
Drawn By: BPLW Date:
Checked By: BPLW Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect "as-built" conditions. Actual installation may vary from this drawing due to changes made by the contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

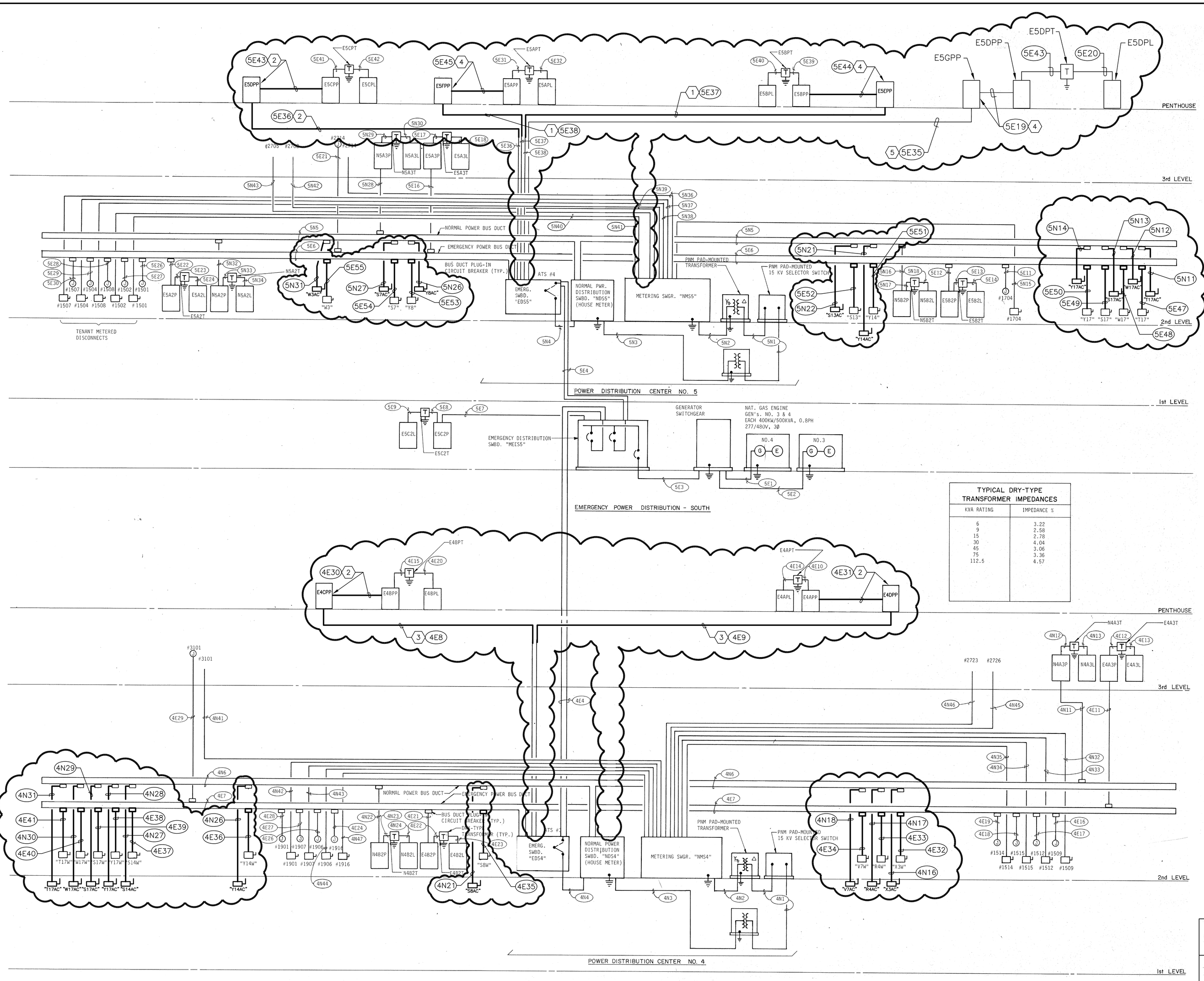
TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

POWER RISER DIAGRAM – NORTH – REMOVAL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E8.4R	56	124

2 6 – 7 2 5 9 . 1 1 – 0 8



TYPICAL DRY-TYPE TRANSFORMER IMPEDANCES	
KVA RATING	IMPEDANCE %
6	3.22
9	2.58
15	2.78
30	4.04
45	3.06
75	3.36
112.5	4.57

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. REFER TO DRAWINGS E8.6 THROUGH E8.9 FOR FEEDER SCHEDULE.

C. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

KEYED NOTES: ⬡

1. INTERCEPT EXISTING FEEDER TO SWITCHGEAR "NDS5" AND EXTEND TO EMERGENCY SWITCHBOARD "EDS5".
2. PROVIDE 600V, 100A, 3P BREAKER IN NORMAL POWER PANEL AND RECIRCUIT EMERGENCY PANEL AS INDICATED.
3. INTERCEPT EXISTING FEEDER TO SWITCHGEAR "NDS4" AND EXTEND TO EMERGENCY SWITCHBOARD "EDS4".
4. REPLACE EXISTING 100A PANEL INTERIOR WITH 225A INTERIOR. RE-INSTALL ALL EXISTING SUB-BREAKERS IN NEW INTERIOR. PROVIDE NEW 600V, 100A, 3P BREAKER IN NORMAL POWER PANEL AND RECIRCUIT EMERGENCY PANEL AS INDICATED.
5. PROVIDE AND INSTALL NEW FEEDER FOR PANEL. EXTEND 4-#4/0 AND 1-#4 GROUND CONDUCTOR IN 2 1/2" CONDUIT.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

SURVEY INFORMATION
Field Notes
No. | By | Date

BENCH MARKS

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | By | Remarks

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

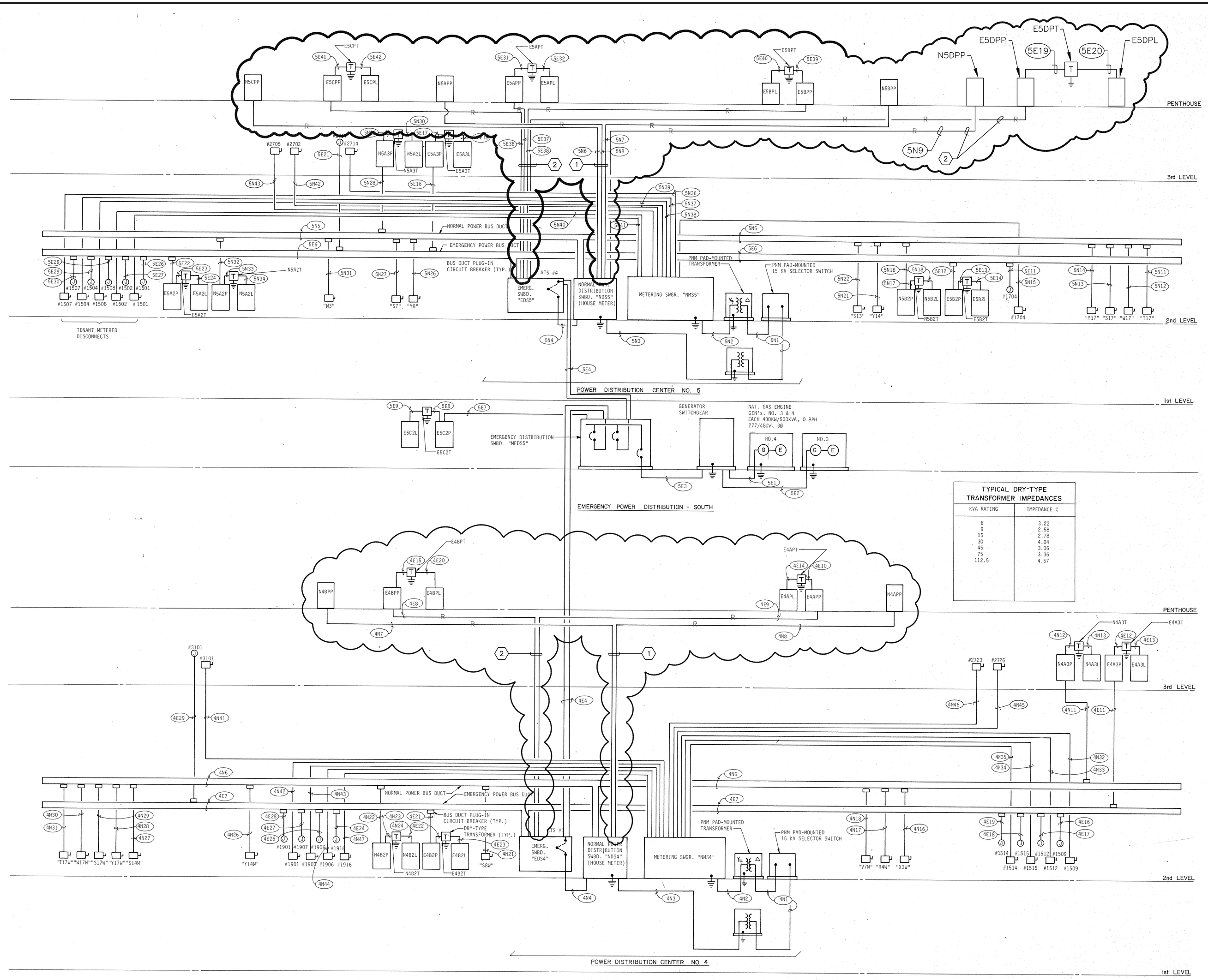
TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
POWER RISER DIAGRAM - SOUTH

Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E8.5	116	124

POWER RISER DIAGRAM - SOUTH
N.T.S.

2 6 - 7 2 5 9 . 1 1 - 0 8



TYPICAL DRY-TYPE TRANSFORMER IMPEDANCES	
KVA RATING	IMPEDANCE %
6	3.22
9	2.58
15	2.78
30	4.04
45	3.06
75	3.36
112.5	4.57

POWER RISER DIAGRAM – SOUTH – REMOVAL

N.T.S.

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. REFER TO DRAWINGS E8.6 THROUGH E8.9 FOR FEEDER SCHEDULE.

C. IT IS THE INTENT OF THIS DESIGN TO RE–FEED THE PENTHOUSE EXISTING NORMAL POWER PANELBOARD WITH EMERGENCY FEEDERS FROM IT'S RESPECTIVE POWER CENTER. THIS PANEL SHALL BE RE–LABELED AS SHOWN ON THE FLOOR PLANS (SHEETS E7.3 THROUGH E7.10) AND NEW POWER RISER DIAGRAMS (SHEETS E8.4 & E8.5).

D. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

KEYED NOTES: ⬡

1. REMOVE PORTION OF FEEDER TO NORMAL POWER SWITCHBOARD. CIRCUIT IS TO BE INTERCEPTED AND ROUTED TO EMERGENCY SWITCHBOARD. COORDINATE WITH DRAWINGS E8.4 AND E8.5.

2. UPON COMPLETION OF RECIRCUITING OF NORMAL POWER SWITCHBOARDS TO EMERGENCY POWER SWITCHBOARDS AND RECIRCUITING AS INDICATED ON DRAWINGS E8.4 AND E8.5. REMOVE EXISTING FEEDER, CONDUIT AND CONDUCTORS BACK TO ASSOCIATED DISTRIBUTION BOARD.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

REVISIONS
No. | Date | By | Remarks
DESIGN
Designed By: BPLW Date:
Drawn By: BPLW Date:
Checked By: BPLW Date:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

POWER RISER DIAGRAM – SOUTH – REMOVAL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E8.5R	57	124

2 6 – 7 2 5 9 . 1 1 – 0 8

FEEDER SCHEDULE - POWER CENTER NO. 2

FEEDER NO.	TO	MIN. AIC BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
2N3	PWM XFMER		7.2/12.47GY, 3Ø	-	PWM 15KV SW.		-	BY PWM
2N2	NMS2		277/480, 3Ø	4-4"C EA/W 4-750MCM THW & 1#3/0	PWM XFMER		-	
2N3	N3S2		277/480, 3Ø	4-4"C EA/W 4-750 MCM THW & 1#3/0	PWM XFMER		-	
2N4	ATS #1		277/480, 3Ø	3-3 1/2"C EA/W 4-500 MCM & 1#3/0	N3S2		-	
2N5	PLUG-IN BUS DUCT		277/480, 3Ø	800A BUS DUCT	N3S2		-	
2N6	N2B1P		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	PLUG-IN BUS-DUCT	2.0A 3P	-	
2N7	XFMER N2B1T		480, 3Ø	3#6 THW, 1 #10-1"C	N2B1P	60A 3P	-	
XFMER N2B1T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	45 KVA
2N8	N2B1L		120/208, 3Ø	4 #3/0 THW, 1 #6-2"C	XFMER N2B1T	125A 3P	-	
2N11	N2A1P		277/480, 3Ø	4# 500 MCM THW, 1#3.3 1/2" C.	PLUG-IN BUS-DUCT	400A 3P	-	
2N12	XFMER N2A1T		480, 3Ø	3#5 THW, 1#10-1"C	N2A1P	60A 3P	-	
XFMER N2A1T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	45 KVA
2N13	N2A1L		120/208, 3Ø	4# 1/0 THW, 1# 6-2"C	XFMER N2A1T		-	
2N16	ELEV. #3		480, 3Ø	3#6 THW, 1# 6-1 1/4"C	PLUG-IN BUS-DUCT	100A 3P	-	
2N17	DISC. SW. #503		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N18	N2E2P		277/480, 3Ø	4 #3/0 THW, 1# 6-2 1/2" C.	PLUG-IN BUS DUCT	200A 3P	-	
2N19	XFMER N2E2T		480, 3Ø	3 #6 THW, 1 #10-1" C.	N2B2P	60A-3P	-	
XFMER N2B2T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	45 KVA
2N20	N2B2L		120/208, 3Ø	4 #1/0 THW, 1 #6-2" C	XFMER N2B2T		-	
2N21	N2A2P		277/480, 3Ø	4x2 THW, 1#8-1 1/4"C	PLUG-IN BUS DUCT	100A 3P	-	
2N22	XFMER N2A2T		480, 3Ø	3 #8 THW, 1 #10-3/4" C	N2A2P	40A 3P	-	
XFMER N2A2T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	30 KVA
2N23	N2A2L		120/208, 3Ø	4x2 THW, 1#8-1 1/4"C	XFMER N2A2T		-	
2N26	N2K2P		277/480, 3Ø	4x2 THW, 1#8-1 1/4"C	N3S2	100A 3P	-	
2N27	XFMER N2K2T		480, 3Ø	3#6 THW, 1#10-1"C	N2K2P	60A 3P	-	
XFMER N2K2T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	45 KVA
2N28	N2K2L		120/208, 3Ø	4#1/0 THW, 1#6-2"C	XFMER N2K2T		-	
2N31	DISC. SW. #1304		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N32	DISC. SW. #1305		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N33	DISC. SW. #813		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N34	DISC. SW. #814		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N35	DISC. SW. #815		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N36	DISC. SW. #906		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N37	DISC. SW. #907		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N38	DISC. SW. #908		277/480, 3Ø	4 #4/0 THW, 1#2-2 1/2" C	NMS2	200A, 3P	-	
2N39	DISC. SW. #909		277/480, 3Ø	4 #4/0 THW, 1#2-2 1/2" C	NMS2	200A, 3P	-	
2N40	DISC. SW. #1003		277/480, 3Ø	4 #4/0 THW, 1#2-2 1/2" C	NMS2	200A, 3P	-	
2N41	N3A3P		277/480, 3Ø	4x 3/0 THW, 1#6-2 1/2" C.	N3S2	200A, 3P	-	
2N42	XFMER N2A3T		480, 3Ø	3 #8, 1 #10-3/4" C.	N2A3P	40A, 3P	-	
XFMER N2A3T	-		480 DELTA TO 120/208 WYE	-	-	-	-	30 KVA
2N43	N2A3L		120/208, 3Ø	4 #2 THW, 1 #8-1 1/4" C.	XFMER N2A3T		-	

FEEDER SCHEDULE - POWER CENTER NO. 2

FEEDER NO.	TO	MIN. AIC BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
2N46	DISC. SW. #2507A		277/480, 3Ø	4 #3/0 THW, 1#6-2" C	NMS2	200A, 3P	-	
2N47	DISC. SW. #2508		277/480, 3Ø	2-4" C EA W/ 4-500 MCM THW, 1#3	NMS2	600A, 3P	-	
2B57	BAGG. CONV.#4		277/480V, 3Ø	3#6 THW, 1#10-1" C.	PLUG-IN BUS DUCT	60A, 3P		
2N58	BAGG. CONV.#5		277/480V, 3Ø	3#6 THW, 1#10-1" C.	PLUG-IN BUS DUCT	60A, 3P		
2B59	BAGG. CONV.#6		277/480V, 3Ø	3#6 THW, 1#10-1" C.	PLUG-IN BUS DUCT	60A, 3P		
XFMER E2E2T	-	-	480 DELTA TO 120/208 WYE	-	E2E2P	-	-	15KVA
XFMER E2A7T	-	-	480 DELTA TO 120/208 WYE	-	E2APP	-	-	9 KVA
XFMER E2B9T	-	-	480 DELTA TO 120/208 WYE	-	E2BPP	-	-	15 KVA
XFMER E2C9T	-	-	480 DELTA TO 120/208 WYE	-	E2CPP	-	-	15 KVA
XFMER E2D9T	-	-	480 DELTA TO 120/208 WYE	-	E2DPP	-	-	9 KVA
XFMER E2E9T	-	-	480 DELTA TO 120/208 WYE	-	E2EPP	-	-	9 KVA
XFMER E2F9T	-	-	480 DELTA TO 120/208 WYE	-	E2FPP	-	-	9 KVA
2E4	ATS #1		277/480, 3Ø	1000A FEEDER BUS DUCT	MDES2		-	
						-	-	
2E6	PLUG-IN BUS DUCT		277/480, 3Ø	800A BUS DUCT	E3S2		-	
2E7	UPS		120/208, 3Ø	4#6, 1#10-1 1/4" CONDUIT	E2D2L	50A, 3P	-	
2E8	XFMER E2D2T		480, 3Ø	3#3/0 THW, 1#6-2" C.	PLUG-IN BUS DUCT	200A, 3P	-	
XFMER E2D2T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	150KVA
2E9	E2D2L		123/208, 3Ø	2-2 1/2" CONDUITS EACH WITH 4#4/0, 1#1/0	XFMER E2D2T		-	
2E10	EDP2		277/480, 3Ø	4x3/0 THW, 1# 5-2"C	EDS2	200A, 3P	-	
2E11	E2B1P		277/480, 3Ø	4x2 THW, 1#8-1 1/4"C	PLUG-IN BUS DUCT	100A, 3P	-	
2E12	XFMER E2B1T		480, 3Ø	3#8, 1#10-3/4" C.	E2B1P	40A, 3P	-	
XFMER E2B1T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	30 KVA
2E13	E2B1L		120/208, 3Ø	4#2, 1#8-1 1/4" C.	XFMER E2B1T		-	
2E16	E2A1P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	PLUG-IN BUS DUCT	100A, 3P	-	
2E17	XFMER E2A1T		480, 3Ø	3#8, 1#10 - 3/4" CONDUIT	E2A1P	40A, 3P	-	
XFMER E2A1T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	30 KVA
2E18	E2A1L		120/208, 3Ø	4#2, 1#6 - 1 1/4" CONDUIT	XFMER E2A1T		-	
2E19	J-BOX #503		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2L21	E2D2P		277/480, 3Ø	4#3/0 THW, 1#6 -2 1/2" C.	PLUG-IN BUS DUCT	200A, 3P	-	

FEEDER SCHEDULE- POWER CENTER NO. 2

FEEDER NO.	TO	MIN. AIC BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
2E22	XFMER E2B2T		480, 3Ø	3#8, 1#10-3/4"C	E2B2P	40A, 3P	-	
XFMER E2B2T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	30 KVA
2E23	E2B2L		120/208, 3Ø	4x2 THW, 1#8-1 1/4"C	XFMER E2B2T		-	
2E24	E2E2P		277/480, 3Ø	4x2 THW, 1#8-1 1/4"C	EDS2	100A, 3P	-	
2E25	XFMER E2D9T		480, 3Ø	4#12-1/2"C	E2DPP	15A, 3P	-	
2E26	J-BOX # 813		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E27	J-BOX #814		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E28	J-BOX #815		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E29	J-BOX #906		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E33	E2EPL		120/208, 3Ø	5#8-1" C.	XFMER E2EPT			
2E31	E2A2P		277/480, 3Ø	4 x2 THW, 1#8-1 1/4"C	PLUG-IN BUS DUCT	100A, 3P	-	
2E32	XFMER E2A2T		480, 3Ø	4 #12-1/2"C	E2A2P	15A, 3P	-	
XFMER E2A2T	-	-	480 DELTA TO 120/208 WYE	-	E2A2P	-	-	15 KVA
2E33	E2A2L		120/208, 3Ø	4 #10, 1#8-3/4"C	XFMER E2A2T		-	
2E34	J-BOX #9C7		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E35	J-BOX #908		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E36	J-BOX #909		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E37	J-BOX #1003		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E38	C2C2P		277/480, 3Ø	4 #2 THW, 1#8-1 1/4"C	EDS2	100A, 3P	-	
2E39	XFMER C2C2T		480, 3Ø	4#12-1/2"C	E2C2P	15A, 3P	-	
XFMER C2C2T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	15 KVA
2E40	C2C2L		120/208, 3Ø	4#10, 1#8-3/4"C	XFMER C2C2T		-	
2E41	J-BOX #1304		277/480, 3Ø	4 #10, 1#8-3/4" C	EDP2	30A, 3P	-	
2E42	J-BOX #1305		277/480, 3Ø	4 #10, 1#8-3/4" C	EDP2	30A, 3P	-	
2E43	J-BOX #2507A		277/480, 3Ø	4 #10, 1#8-3/4" C	EDP2	30A, 3P	-	
2E44	J-BOX #2508		277/480, 3Ø	4 #10, 1#8-3/4" C	EDP2	30A, 3P	-	
2E46	E2A3P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	EDS2	100A, 3P	-	
2E47	XFMER E2A3T	-	480, 3Ø	3#8, 1#10-3/4"C	E2C3P	40A, 3P	-	
XFMER E2A3T	-	-	480 DELTA TO 120/208, 3Ø	-	-	-	-	30 KVA
2E48	E2A3L		120/208, 3Ø	4x2 THW, 1#8-1 1/4"C	XFMER E2A3T		-	
2E49	E2E2L		120/208, 3Ø	5#8-1" C.	XFMER E2E2T		-	(1)
2E51	**E2GPP**		**277/480, 3Ø**	**4#3/0, 1#6-2"C.**	**EDS2**	**200A, 3P**	-	(1)
2E52	**E2HPP**		**277/480, 3Ø**	**4#3/0, 1#6-2"C.**	**EDS2**	**200A, 3P**	-	(1)
2E53	**E2JPP**		**277/480, 3Ø**	**4#4/0, 1#2-2 1/2"C.**	**EDS2**	**200A, 3P**	-	(1)
2E54	**E2KPP**		**277/480, 3Ø**	**4#2, 1#8-1 1/4"C.**	**EDS2**	**100A, 3P**	-	(1)
2E55	**E2MPP**		**277/480, 3Ø**	**4#3/0, 1#6-2"C.**	**EDS2**	**200A, 3P**	-	(1)
2E56	**E2LPP**		**277/480, 3Ø**	**4#2, 1#8-1 1/4"C.**	**EDS2**	**100A, 3P**	-	
XFMER E2EPT	-	-	480 DELTA TO 120/208 WYE	-	E2EPP	-	-	15KVA
2E58	E2FPL		120/208, 3Ø	4#10, 1#8-3/4"C	XFMER E2FPT		-	
2E59	XFMER E2EPT		480, 3Ø	4#12-1/2"C	E2EPP	15A, 3P	-	
2E60	E2EPL		120/208, 3Ø	4#10, 1#8-3/4"C	XFMER E2EPT		-	
2E61	XFMER E2APT		480, 3Ø	4#12-1/2"C	E2APP	15A, 3P	-	
2E62	E2APL		120/208, 3Ø	4#10, 1#8-3/4"C	XFMER E2APT		-	
2E63	XFMER E2BPT		480, 3Ø	4#12-1/2"C	E2BPP	15A, 3P	-	
2E64	E2BPL		120/208, 3Ø	5#8-1" C.	XFMER E2BPT		-	
2E65	XFMER E2CPT		480, 3Ø	4#12-1/2"C	E2CPP	15A, 3P	-	
[illegible]	[illegible]		[illegible]	[illegible]	XFMER [illegible]			
2E67	**E2APP**		**277/480, 3Ø**	**4#1, 1#8-1 1/2"C.**	**E2GPP**	**100A, 3P**	-	
2E68	**E2BPP**		**277/480, 3Ø**	**4#1, 1#8-1 1/2"C.**	**E2HPP**	**100A, 3P**	-	
2E69	**E2CPP**		**277/480, 3Ø**	**4#1, 1#8-1 1/2"C.**	**E2JPP**	**100A, 3P**	-	
2E70	**E2DPP**		**277/480, 3Ø**	**4#1, 1#8-1 1/2"C.**	**E2KPP**	**100A, 3P**	-	
2E71	**E2FPP**		**277/480, 3Ø**	**4#1, 1#8-1 1/2"C.**	**E2MPP**	**100A, 3P**	-	
2E72	**E2EPP**		**277/480, 3Ø**	**4#1, 1#8-1 1/2"C.**	**E2LPP**	**100A, 3P**	-	

• CURRENT LIMITING FUSE REQUIRED
— CURRENT LIMITING FUSE NOT REQUIRED

FEEDER SCHEDULE POWER CENTER NO.2

N.T.S.

ABQ INTERNATIONAL SUNPORT

KEYED NOTES:

1. INTERCEPT EXISTING FEEDER FROM SWITCHBOARD "NDS2" AND EXTEND TO SWITCHBOARD "EDS2". REFER TO DRAWINGS E8.1.3 THROUGH E8.1.6 FOR CIRCUIT BREAKER MODIFICATIONS.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Acceptance By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

No.	Date	By	Remarks

REVISIONS

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 - FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

FEEDER SCHEDULE–POWER CENTER NO.2

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E8.6	117	124

2 6 – 7 2 5 9 . 1 1 – 0 8

FEEDER SCHEDULE - POWER CENTER NO. 2

FEEDER NO.	TO	MIN. A.I.C. BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE (1)	CLF FUSES	REMARKS
2S1	PWM XFMER		7.2/12.47KV, 3Ø	-	PWM 15KV SW.		-	BY PWM
2N2	NMS2		277/480, 3Ø	4-4"C EA/W 4-750MCM T-W & 1#3/0	PWM XFMER		-	
2N3	NDS2		277/480, 3Ø	4-4"C EA/W 4-750 MCM THW & 1#3/0	PWM XFMER		-	
2N4	ATS #1		277/480, 3Ø	3-3 1/2"C EA/W 4-500 MCM & 1#3/0	NDS2		-	
2N5	PLUG-IN BUS DUCT		277/480, 3Ø	800A BUS DUCT	NDS2		-	
2N6	N2B1P		277/480, 3Ø	4 #3/0 THX, 1#6-2 1/2" C.	PLUG-IN BUS-DUCT	2.0A 3P	-	
2N7	XFMER N2B1T		480, 3Ø	3#6 THW, 1 #3.0-1"C	N2B1P	60A 3P	-	
XFMER N2B1T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	45 KVA
2N8	N2B1L		120/208, 3Ø	4 #1/0 THW, 1 #6-2"C	XFMER N2B1T	125A 3P	-	
2N11	N2A1P		277/480, 3Ø	4# 500 MCM THW, 1#3.3 1/2" C.	PLUG-IN BUS-DUCT	400A 3P	-	
2N12	XFMER N2A1T		480, 3Ø	3#6 THW, 1#1C-1"C	N2A1P	60A 3P	-	
XFMER N2A1T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	45 KVA
2N13	N2A1L		120/208, 3Ø	4# 1/0 THW, 1# 6-2"C	XFMER N2A1T		-	
2N16	ELEV. #3		480, 3Ø	3#6 THW, 1# 6-1 1/4"C	PLUG-IN BUS-DUCT	100A 3P	-	
2N17	DISC. SW. #503		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N18	N2B2P		277/480, 3Ø	4 #3/0 THW, 1# 6-2 1/2" C.	PLUG-IN BUS DUCT	200A 3P	-	
2N19	XFMER N2B2T		480, 3Ø	3 #6 THW, 1 #10-1" C.	N2B2P	60A-3P	-	
XFMER N2B2T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	45 KVA
2N20	N2B2L		120/208, 3Ø	4 #1/0 THW, 1 #6-2" C	XFMER N2B2T		-	
2N21	N2A2P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	PLUG-IN BUS DUCT	100A 3P	-	
2N22	XFMER N2A2T		480, 3Ø	3 #8 THW, 1 #10-3/4" C	N2A2P	40A 3P	-	
XFMER N2A2T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	30 KVA
2N23	N2A2L		120/208, 3Ø	4#2 THW, 1#8-1 1/4"C	XFMER N2A2T		-	
2N26	N2C1P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	NDS2	100A 3P	-	
2N27	XFMER N2C1T		480, 3Ø	3#6 THW, 1#10-1"C	N2C1P	60A 3P	-	
XFMER N2C1T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	45 KVA
2N28	N2C1L		120/208, 3Ø	4#1/0 THW, 1#6-2"C	XFMER N2C1T		-	
2N31	DISC. SW. #1304		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N32	DISC. SW. #1305		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N33	DISC. SW. #813		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N34	DISC. SW. #814		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N35	DISC. SW. #815		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N36	DISC SW. #906		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N37	DISC. SW. #907		277/480, 3Ø	4 #3/0 THW, 1#6-2 1/2" C.	NMS2	200A, 3P	-	
2N38	DISC. SW. #908		277/480, 3Ø	4 #4/0 THW, 1#2-2 1/2" C	NMS2	200A, 3P	-	
2N39	DISC. SW. #909		277/480, 3Ø	4 #4/0 THW, 1#2-2 1/2" C	NMS2	200A, 3P	-	
2N40	DISC. SW. #1003		277/480, 3Ø	4 #4/0 THW, 1#2-2 1/2" C.	NMS2	200A, 3P	-	
2N41	N1A3P		277/480, 3Ø	4# 3/0 THW, 1#6-2 1/2" C.	NDS2	200A, 3P	-	
2N42	XFMER N1A3T		480, 3P	3 #8, 1 #10-3/4" C.	N1A3P	40A, 3P	-	
XFMER N1A3T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	30 KVA
2N43	N1A3L		120/208, 3Ø	4 #2 THW, 1 #8-1 1/4" C.	XFMER N1A3T		-	

FEEDER SCHEDULE - POWER CENTER NO. 2

FEEDER NO.	TO	MIN. A.I.C. BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
2N46	DISC. SW. #2567A		277/480, 3Ø	4 #3/0 THW, 1#6-2" C	NMS2	200A, 3P	-	
2N47	DISC. SW. #2568		277/480, 3Ø	2-4" C ea w/ 4-500 MCM THW, 1#3	NMS2	600A, 3P	-	
2N51	N2A4P		277/480, 3Ø	4#3/0 THW, 1#6-2"C	NDS2	200A, 3P	-	(1)
2N52	N2B3P		277/480, 3Ø	4#3/0 THW, 1#6-2"C	NDS2	200A, 3P	-	(1)
2N53	N2C4P		277/480, 3Ø	4#4/0 THW, 1#2-2 1/2"C	NDS2	200A, 3P	-	(1)
2N54	N2D4P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	NDS2	100A, 3P	-	(1)
2N55	N2F4P		277/480, 3Ø	4#3/0 THW, 1#6-2"C	NDS2	200A, 3P	-	(1)
2N56	N2E4P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	NDS2	100A, 3P	-	(1)
2N57	BAGG. CONV.#4		277/480V, 3Ø	3#6 THW, 1#10-1" C.	PLUG-IN BUS DUCT	60A, 3P		
2N58	BAGG. CONV.#5		277/480V, 3Ø	3#6 THW, 1#10-1" C.	PLUG-IN BUS DUCT	60A, 3P		
2N59	BAGG. CONV.#6		277/480V, 3Ø	3#6 THW, 1#10-1" C.	PLUG-IN BUS DUCT	60A, 3P		
XFMER E2E3T	-	-	480 DELTA TO 120/208 WYE	-	E2E3P	-	-	15KVA
XFMER E2APT	-	-	480 DELTA TO 120/208 WYE	-	E2APP	-	-	9 KVA
XFMER E2BPT	-	-	480 DELTA TO 120/208 WYE	-	E2BPP	-	-	15 KVA
XFMER E2CPT	-	-	480 DELTA TO 120/208 WYE	-	E2CPP	-	-	15 KVA
XFMER E2DPT	-	-	480 DELTA TO 120/208 WYE	-	E2DPP	-	-	9 KVA
XFMER E2EPT	-	-	480 DELTA TO 120/208 WYE	-	E2EPP	-	-	9 KVA
XFMER E2FPT	-	-	480 DELTA TO 120/208 WYE	-	E2FPP	-	-	9 KVA
2E4	ATS #1		277/480, 3Ø	1000A FEEDER BUS DUCT	MEDS2		-	
							-	
2E6	PLUG-IN BUS DUCT		277/480, 3Ø	800A BUS DUCT	EDS2		-	
2E7	UPS		120/208, 3Ø	4#6, 1#10-1 1/4" CONDUIT	E2D2L	50A, 3P	-	
2E8	XFMER E2D2T		480, 3Ø	3#3/0 THW, 1#6-2" C.	PLUG-IN BUS DUCT	200A, 3P	-	
XFMER E2D2T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	150KVA
2E9	E2D2L		120/208, 3Ø	3-2 1/2" CONDUITS EACH WITH 4#4/0, 1#1/0	XFMER E2D2T		-	
2E10	EDP2		277/480, 3Ø	4#3/0 THW, 1# 6-2"C	EDS2	200A, 3P	-	
2E11	E2B1P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	PLUG-IN BUS DUCT	100A, 3P	-	
2E12	XFMER E2B1T		480, 3Ø	3#8, 1#10-3/4" C.	E2B1P	40A, 3P	-	
XFMER E2B1T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	30 KVA
2E13	E2B1L		120/208, 3Ø	4#2, 1#8-1 1/4" C.	XFMER E2B1T		-	
2E16	E2A1P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	PLUG-IN BUS DUCT	100A, 3P	-	
2E17	XFMER E2A1T		480, 3Ø	3#8, 1#10 - 3/4" CONDUIT	E2A1P	40A, 3P	-	
XFMER E2A1T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	30 KVA
2E18	E2A1L		120/208, 3Ø	4#2, 1#8 - 1 1/4" CONDUIT	XFMER E2A1T		-	
2E19	J-BOX #503		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E21	E2B2P		277/480, 3Ø	4#3/0 THW, 1#6 -2 1/2" C.	PLUG-IN BUS DUCT	200A, 3P	-	

FEEDER SCHEDULE - POWER CENTER NO. 2

FEEDER NO.	TO	MIN. A.I.C. BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
2E22	XFMER E2B2T		480, 3Ø	3#8, 1#10-3/4"C	E2B2P	40A, 3P	-	
XFMER E2B2T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	30 KVA
2E23	E2B2L		120/208, 3Ø	4#2 THW, 1#8-1 1/4"C	XFMER E2B2T		-	
2E24	E2E3P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	EDS2	100A, 3P	-	
2E25	XFMER E2D1T		480, 3Ø	4#12-1/2"C	E2D1P	15A, 3P	-	
2E26	J-BOX # 813		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E27	J-BOX #814		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E28	J-BOX #815		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E29	J-BOX #906		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E30	E2D1L		120/208, 3Ø	3#8-1" C.	XFMER E2D1T			
2E31	E2A2P		277/480, 3Ø	4 #2 THW, 1#8-1 1/4"C	PLUG-IN BUS DUCT	100A, 3P	-	
2E32	XFMER E2A2T		480, 3Ø	4 #12-1/2"C	E2A2P	15A, 3P	-	
XFMER E2A2T	-	-	480 DELTA TO 120/208 WYE	-	E2A2P	-	-	15 KVA
2E33	E2A2L		120/208, 3Ø	4 #1G, 1#8-3/4"C	XFMER E2A2T	-	-	
2E34	J-BOX #907		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E35	J-BOX #908		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E36	J-BOX #909		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E37	J-BOX #1003		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
2E38	E2C2P		277/480, 3Ø	4 #2 THW, 1#8- 1 1/4"C	EDS2	100A, 3P	-	
2E39	XFMER E2C2T		480, 3Ø	4#12-1/2"C	E2C2P	15A, 3P	-	
XFMER E2C2T	-	-	480 DELTA TO 120/208 WYE	-	-	-	-	15 KVA
2E40	E2C2L		120/208, 3Ø	4#10, 1#8-3/4"C	XFMER E2C2T		-	
2E41	J-BOX #1304		277/480, 3Ø	4 #10, 1#8-3/4" C	EDP2	30A, 3P	-	
2E42	J-BOX #1305		277/480, 3Ø	4 #10, 1#8-3/4" C	EDP2	30A, 3P	-	
2E43	J-BOX #2507A		277/480, 3Ø	4 #10, 1#8-3/4" C	EDP2	30A, 3P	-	
2E44	J-BOX #2508		277/480, 3Ø	4 #10, 1#8-3/4" C	EDP2	30A, 3P	-	
2E46	E2E3P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	EDS2	100A, 3P	-	
2E47	XFMER E2E3T	-	480, 3Ø	3#8, 1#10-3/4"C	E2E3P	40A, 3P	-	
XFMER E2E3T	-	-	480 DELTA TO 120/208, 3Ø	-	-	-	-	30 KVA
2E48	E2A3L		120/208, 3Ø	4#2 THW, 1#8-1 1/4"C	XFMER E2A3T		-	
2E49	XFMER E2E2T		480, 3Ø	4#12-1/2"C	E2E2P	15A, 3P	-	
2E50	E2E2L		120/208, 3Ø	4#10, 1#8-3/4"C	XFMER E2E2T		-	
2E51	E2A4P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	EDS2	100A, 3P	-	(2)
2E52	E2B4P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	EDS2	100A, 3P	-	(2)
2E53	E2C4P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	EDS2	100A, 3P	-	(2)
2E54	E2D4P		277/480, 3Ø	4#3/0 THW, 1#6-2"C	EDS2	200A, 3P	-	(2)
2E55	E2E4P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	EDS2	100A, 3P	-	(2)
2E56	E2E4P		277/480, 3Ø	4#2 THW, 1#8-1 1/4"C	EDS2	100A, 3P	-	(2)
XFMER E2F1T	-	-	480, 3P	4#2 THW, 1#8-1 1/4"C	E2F1P	100A, 3P	-	
XFMER E2F1T	-	-	480 DELTA TO 120/208, 3P	4#10, 1#8-3/4"C	XFMER E2F1T		-	
2E58	E2F1L		120/208, 3Ø	4#10, 1#8-3/4"C	XFMER E2F1T		-	
2E59	XFMER E2L1PT		480, 3Ø	4#12-1/2"C	E2L1PP	15A, 3P	-	
2E60	E2E1L		120/208, 3Ø	4#10, 1#8-3/4"C	XFMER E2E1T		-	
2E61	XFMER E2A2T		480, 3Ø	4#12-1/2"C	E2APP	15A, 3P	-	
2E62	E2APL		120/208, 3Ø	4#10, 1#8-3/4"C	XFMER E2APT		-	
2E63	XFMER E2B2T		480, 3Ø	4#12-1/2"C	E2BPP	15A, 3P	-	
2E64	E2BPL		120/208, 3Ø	5#8-1" C.	XFMER E2BPT		-	
2E65	XFMER E2C2T		480, 3Ø	4#12-1/2"C	E2CPP	15A, 3P	-	
2E66	E2CPL		120/208, 3Ø	5#8-1" C.	XFMER E2CPT		-	

◆ CURRENT LIMITING FUSE REQUIRED
— CURRENT LIMITING FUSE NOT REQUIRED

FEEDER SCHEDULE POWER CENTER NO.2 – REMOVAL

N.T.S.

KEYED NOTES:

1. INTERCEPT EXISTING FEEDER FROM SWITCHBOARD "NDS2" AND EXTEND TO SWITCHBOARD "EDS2". REFER TO DRAWINGS E8.13 FOR CIRCUIT BREAKER MODIFICATIONS.
2. UPON COMPLETION OF RECIRCUITING OF NORMAL POWER SWITCHBOARD TO EMERGENCY POWER SWITCHBOARD, REMOVE EXISTING FEEDER BACK TO PENTHOUSE. PATCH CEILINGS, WALLS AND FLOORS TO MATCH EXISTING.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER — STATE OF NEW MEXICO — NO. 16439 — REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By

DESIGN
Designed By: BPLW Date:
Drawn By: BPLW Date:
Checked By: BPLW Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES

FEEDER SCHED.–PWR. CNTR. NO.2–REMOVAL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E8.6R	58	124

26-7259.11-08

FEEDER SCHEDULE - POWER CENTER NO. 3

FEEDER NO.	TO	MIN. AIC BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
3N1	PRM XFMER		7.2/12.47KV, 3Ø	-	PRM 15KV SW.		-	BY PRM
3N2	NMS3		277/480, 3Ø	4 - 4"C EACH/ W 4 - 750MCM THW & 1#3/0	PRM XFMR		-	
3N3	NDS3		277/480, 3Ø	4 - 4"C EACH/ W 4 - 750MCM & 1 # 3/0	PRM XFMR		-	
3N4	ATS #2		277/480, 3Ø	3 - 3 1/2"C EACH/ W 4 - 600MCM & 1# 3/0	NDS3		-	
3N5	PLUG-IN BUS DUCT		277/480, 3Ø	800A BUS DUCT	NDS3		-	
3N6	N381P		277/480, 3Ø	4 #4/0THW, 1#2-2 1/2" C	PLUG-IN BUS DUCT	200A, 3P	-	
3N7	XFMER N381T		480, 3Ø	3 #6THW, 1 #10-1" C	N381P	60A, 3P		
XFMER N381T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	45KVA
3N8	N381L		120/208, 3Ø	4 #1/0THW, 1 #6-2" C	XFMER N381T		-	
3N11	N3A1P		277/480, 3Ø	4 #4/0THW, 1#2-2 1/2" C	PLUG-IN BUS DUCT	200A, 3P	-	
3N12	XFMER N3A1T		480, 3Ø	3 #6THW, 1#10-1" C	N3A1P	60A, 3P	-	
XFMER N3A1T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	45 KVA
3N13	N3A1L		120/208, 3Ø	4 #1/0THW, 1#6-2" C	XFMER N3A1T		-	
3N16	N382P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100A, 3P	-	
3N17	XFMER N382T		480, 3Ø	4 #12 -1/2" C	N382P	20A, 3P	-	
XFMER N382T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	15 KVA
3N18	N382L		120/208, 3Ø	5 #8THW-1" C	XFMER N382T		-	
3N21	N3A2P		277/480, 3Ø	4 #4/0THW, 1#2-2 1/2" C	PLUG-IN BUS DUCT	200A, 3P	-	
3N22	XFMER N3A2T		480, 3Ø	3 #8, 1 #10-3/4" C	N3A2P	40A, 3P	-	
XFMER N3A2T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	30KVA
3N23	N3A2L		120/208, 3Ø	4 #2THW, 1 #8-1 1/4" C	XFMER N3A2T		-	
3N26	N3C2P		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NDS3	200A, 3P	-	
3N27	XFMER N3C2T		480, 3Ø	3 #2THW, 1 #8-1 1/4" C	N3C2P	100A, 3P	-	
XFMER N3C2T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	75KVA
3N28	N3C2L		120/208, 3Ø	4 #4/0THW, 1 #2-2 1/2" C	XFMER N3C2T		-	
3N31	DISC. SW. #1222		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N32	DISC. SW. #1223		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N33	DISC. SW. #1236		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N34	DISC. SW. #805		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N35	DISC. SW. #710		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N36	DISC. SW. #709		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N37	DISC. SW. #708		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N38	DISC. SW. #707		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N41	N3A3P		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NDS3	200A, 3P	-	
3N42	XFMER N3C3T		480, 3Ø	3 #6THW, 1#10-1" C	N3C3P	60A, 3P	-	
XFMER N3C3T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	45 KVA
3N43	N3C3L		120/208, 3Ø	4 #1/0THW, 1#6-2" C	XFMER N3C3T		-	

FEEDER SCHEDULE - POWER CENTER NO. 3

FEEDER NO.	TO	MIN. AIC BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
				4				
				4				
				4				
3N49	DISC.# 2430A		277/480, 3Ø	4 #2THW, 1#8-2" C	NMS3	100A, 3P		
3N50	DISC.# 2430B		277/480, 3Ø	4 #2THW, 1#8-2" C	NMS3	100A, 3P		
3N51	DISC.# 2430C		277/480, 3Ø	4 #2THW, 1#8-2" C	NMS3	100A, 3P		
3N52	DISC.# 2430D		277/480, 3Ø	4 #2THW, 1#8-2" C	NMS3	100A, 3P		
3N53	BAGG. CONV. #3		480, 3Ø	3 #6THW, 1 #10-1" C	PLUG-IN BUS DUCT	60A, 3P		
3N54	BAGG. CONV. #2		480, 3Ø	3 #6THW, 1 #10-1" C	PLUG-IN BUS DUCT	60A, 3P		
3N55	BAGG. CONV. #3		480, 3Ø	3 #6THW, 1 #10-1" C	PLUG-IN BUS DUCT	60A, 3P		
3E1	GEN. SWGR.		277/480, 3Ø	2-3 1/2" C EACH W/ 4-500MCM THW, 1 #3/0	ENG. GEN. #1		-	
3E2	GEN. SWGR.		277/480, 3Ø	2-3 1/2" C EACH W/ 4-500MCM THW, 1 #3/0	ENG. GEN. #2		-	
3E3	MEDS2		277/480, 3Ø	4-3 1/2" C EACH W/ 4-500MCM THW, 1 #3/0	GEN. SWGR.		-	
3E4	ATS #2		277/480, 3Ø	1000A FEEDER BUS DUCT	MEDS2		-	
3E6	PLUG-IN BUS DUCT		277/480, 3Ø	800A BUS DUCT	EDS3		-	
3E7	E3D2P		277/480, 3Ø	4 #2THW, 1#8 -2"C	EDS3	100A,3P	-	
3E8	XFMER E3D2T		480, 3Ø	4 #12 - 1/2"C	E3D2P	15A,3P	-	
3E9	E3D2L		120/208, 3Ø	4 #10, 1#8- 3/4"C	XFMER E3D2T		-	
3E10	EDP3		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	EDS3	100A, 3P	-	
3E11	E3B1P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100A, 3P	-	
3E12	XFMER E3B1T		480, 3Ø	3 #8THW, 1#10-3/4" C	E3B1P	40A, 3P	-	
XFMER E3B1T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	30 KVA
3E13	E3B1L		120/208, 3Ø	4 #2THW, 1#8-1 1/4" C	XFMER E3B1T		-	
3E16	E3A1P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100A, 3P	-	
3E17	XFMER E3A1T		480, 3Ø	4 #12-1/2" C	E3A1P	20A,3P	-	
XFMER E3A1T	-	-	480V TO DELTA 120/208 WYE	-	-	-	-	15KVA
3E18	E3A1L		120/208, 3Ø	5 #8 - 1" C	XFMER E3A1T		-	
3E21	E3B2P		277/480, 3Ø	4 #2THW, 1 #8 - 1 / 1/4"C	PLUG-IN BUS DUCT	100A, 3P	-	
3E22	XFMER E3B2T		480, 3Ø	4 #12-1/2" C	E3B2P	15A,3P	-	9 KVA

FEEDER SCHEDULE - POWER CENTER NO. 3

FEEDER NO.	TO	MIN. AIC BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
XFMER E3B2T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	9 KVA
3E23	E3B2L		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMER E3B2T		-	
3E26	J-BOX #707		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E27	J-BOX #710		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E28	J-BOX #709		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E29	J-BOX #708		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E31	E3A2P		277/480, 3Ø	4 #1/0THW, 1#6-2" C	PLUG-IN BUS DUCT	100A, 3P	-	
3E32	XFMER E3A2T		480, 3Ø	4 #12-1/2" C	E3A2P		-	
XFMER E3A2T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	9 KVA
3E33	E3A2L		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMER E3A2T		-	
3E66	J-BOX #805		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E67	E3C2P		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	EDS3	200A, 3P	-	
3E68	XFMER E3C2T		480, 3Ø	3 #6THW, 1#10-1" C	E3C2P	60A, 3P	-	
XFMER E3C2T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	45 KVA
3E69	[illegible]		[illegible]	[illegible]	XFMER E3C2T		-	
3E70	E3APP		277/480, 3ø	4ϕ1, 1#8-1 1/2"C.	E3DPP	100A, 3P		
[illegible]	J-BOX #1222		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
3E62	J-BOX #1223		277/480, 3Ø	4 #10, 1#8-3/4" C	EDP3	30A, 3P	-	
3E63	J-BOX #1236		277/480, 3Ø	4 #10, 1#8-3/4" C	E3EPP	100A, 3P	-	
3E71	E3BPP		277/480, 3ø	4ϕ1, 1#8-1 1/2"C.	E3EPP	100A, 3P		
3E72	E3CPP		277/480, 3ø	4ϕ1, 1#8-1 1/2"C.	E3FPP	100A, 3P		
[illegible]	E3C2L		277/480, 3Ø	[illegible]	[illegible]	[illegible]	[illegible]	
3E37	XFMER E3C3T		480, 3Ø	3 #8, 1#10-3/4" C	E3C3P	40A, 3P	-	
XFMER E3C3T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	30 KVA
3E38	E3A3L		120/208, 3Ø	4 #2THW, 1#8-1 1/4" C	XFMER E3A3T		-	
3E41	E3DPP		277/480, 3Ø	4ϕ4/0 THW, 1ϕ2-2 1/2"C.	EDS3	200A, 3P	-	(1)
3E42	E3EPP		277/480, 3Ø	4ϕ4/0 THW, 1ϕ2-2 1/2"C.	EDS3	200A, 3P	-	(1)
3E43	E3FPP		277/480, 3Ø	4ϕ3/0 THW, 1ϕ6-2 1/2"C.	EDS3	200A, 3P	-	(1)
E3D2T	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
3E44	XFMER E3CPT		480, 3Ø	4 #12-1/2" C	E3CPP	15A, 3P	-	
XFMER E3CPT			480V DELTA TO 120/208 WYE	-	-	-	-	9KVA
3E45	E3CPL		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMER E3CPT		-	
3E46	XFMER E3BPT		480, 3Ø	4 #12-1/2" C	E3BPP	15AP,3P	-	
XFMER E3BPT			480V DELTA TO 120/208 WYE	-	-	-	-	9 KVA
3E47	E3BPL		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMER E3BPT	15A, 3P	-	
3E48	XFMER E3BPT		480, 3Ø	4 #12-1/2" C	E3APP		-	
XFMER E3BPT			480V DELTA TO 120/208, 3Ø	-	-	-	-	9 KVA
3E49	E3APL		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMER E3BPT		-	
3E50	J-BOX #2430A		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E51	J-BOX #2430B		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E52	J-BOX #2430C		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E53	J-BOX #2430D		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A,3P	-	

● CURRENT LIMITING FUSE REQUIRED
— CURRENT LIMITING FUSE NOT REQUIRED

FEEDER SCHEDULE POWER CENTER NO.3

N.T.S.

KEYED NOTES:

1. INTERCEPT EXISTING FEEDER FROM SWITCHBOARD "NDS3" AND EXTEND TO SWITCHBOARD "EDS3". REFER TO DRAWINGS E8.14 FOR CIRCUIT BREAKER MODIFICATIONS.

AS BUILT INFORMATION
Contractor
Work Stated By
Started On Date
Acceptance By
Date
Verification By
Date
Drawings Corrected By
Date
MICRO-FILM INFORMATION
Recorded By
Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. By Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. Date Remarks By
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:
DESIGN

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
FEEDER SCHEDULE—POWER CENTER NO.3

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E8.7	118	124

26-725911.11-08

FEEDER SCHEDULE - POWER CENTER NO. 3

FEEDER NO.	TO	MIN. AIC BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE (1)	CLF FUSES	REMARKS
3N1	PBM XFMER		7.2/12.47KV, 3Ø	-	PBM 15KV SW.		-	BY PBM
3N2	NMS3		277/480, 3Ø	4 - 4"C EACH/ W 4 - 750MCM THW & 1#3/0	PBM XFMER		-	
3N3	NDS3		277/480, 3Ø	4 - 4"C EACH/ W 4 - 750MCM & 1 # 3/0	PBM XFMR		-	
3N4	ATS #2		277/480, 3Ø	3 - 3 1/2"C EACH/ W 4 - 600MCM & 1# 3/0	NDS3		-	
3N5	PLUG-IN BUS DUCT		277/480, 3Ø	800A BUS DUCT	NDS3		-	
3N6	N3B1P		277/480, 3Ø	4 #4/0THW, 1#2-2 1/2" C	PLUG-IN BUS DUCT	200A, 3P	-	
3N7	XFMER N3B1T		480, 3Ø	3 #6THW, 1 #10-1" C	N3B1P	60A, 3P		
XFMER N3B1T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	45KVA
3N8	N3B1L		120/208, 3Ø	4 #1/0THW, 1 #6-2" C	XFMER N3B1T		-	
3N11	N3A1P		277/480, 3Ø	4 #4/0THW, 1#2-2 1/2" C	PLUG-IN BUS DUCT	200A, 3P	-	
3N12	XFMER N3A1T		480, 3Ø	3 #6THW, 1#10-1" C	N3A1P	60A, 3P	-	
XFMER N3A1T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	45 KVA
3N13	N3A1L		120/208, 3Ø	4 #1/0THW, 1#6-2" C	XFMER N3A1T		-	
3N16	N3B2P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100A, 3P	-	
3N17	XFMER N3B2T		480, 3Ø	4 #12 -1/2" C	N3B2P	20A, 3P	-	
XFMER N3B2T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	15 KVA
3N18	N3B2L		120/208, 3Ø	5 #8THW-1" C	XFMER N3B2T		-	
3N21	N3A2P		277/480, 3Ø	4 #4/0THW, 1#2-2 1/2" C	PLUG-IN BUS DUCT	200A, 3P	-	
3N22	XFMER N3A2T		480, 3Ø	3 #8, 1 #10-3/4" C	N3A2P	40A, 3P	-	
XFMER N3A2T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	30KVA
3N23	N3A2L		120/208, 3Ø	4 #2THW, 1 #8-1 1/4" C	XFMER N3A2T		-	
3N26	N3C2P		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NDS3	200A, 3P	-	
3N27	XFMER N3C2T		480, 3Ø	3 #2THW, 1 #8-1 1/4" C	N3C2P	100A, 3P	-	
XFMER N3C2T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	75KVA
3N28	N3C2L		120/208, 3Ø	4 #4/0THW, 1 #2-2 1/2" C	XFMER N3C2T		-	
3N31	DISC. SW. #1222		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N32	DISC. SW. #1223		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N33	DISC. SW. #1236		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N34	DISC. SW. #605		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N35	DISC. SW. #710		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N36	DISC. SW. #709		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N37	DISC. SW. #708		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N38	DISC. SW. #707		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NMS3	200A, 3P	-	
3N41	N3A3P		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	NDS3	200A, 3P	-	
3N42	XFMER N3C3T		480, 3Ø	3 #6THW, 1#10-1" C	N3C3P	60A, 3P	-	
XFMER N3C3T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	45 KVA
3N43	N3C3L		120/208, 3Ø	4 #1/0THW, 1#6-2" C	XFMER N3C3T		-	

FEEDER SCHEDULE - POWER CENTER NO. 3

FEEDER NO.	TO	MIN. AIC BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
3N46	N3APP		277/480, 3Ø	4 #4/0THW, 1#2-2 1/2" C	NDS3	200A, 3P	-	(1)
3N47	N3BPP		277/480, 3Ø	4 #4/0THW, 1#2-2 1/2" C	NDS3	200A, 3P	-	(1)
3N48	N3CPP		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C	NDS3	200A, 3P	-	(1)
3N49	DISC.# 2430A		277/480, 3Ø	4 #2THW, 1#8-2" C	NMS3	100A, 3P		
3N50	DISC.# 2430B		277/480, 3Ø	4 #2THW, 1#8-2" C	NMS3	100A, 3P		
3N51	DISC.# 2430C		277/480, 3Ø	4 #2THW, 1#8-2" C	NMS3	100A, 3P		
3N52	DISC.# 2430D		277/480, 3Ø	4 #2THW, 1#8-2" C	NMS3	100A, 3P		
3N53	BAGG. CONV. #1		480, 3Ø	3 #6THW, 1 #10-1" C	PLUG-IN BUS DUCT	60A, 3P		
3N54	BAGG. CONV. #2		480, 3Ø	3 #6THW, 1 #10-1" C	PLUG-IN BUS DUCT	60A, 3P		
3N55	BAGG. CONV. #3		480, 3Ø	3 #6THW, 1 #10-1" C	PLUG-IN BUS DUCT	60A, 3P		
3E1	GEN. SWGR.		277/480, 3Ø	2-3 1/2" C EACH W/ 4-500MCM THW, 1 #3/0	ENG. GEN. #1		-	
3E2	GEN. SWGR.		277/480, 3Ø	2-3 1/2" C EACH W/ 4-500MCM THW, 1 #3/0	ENG. GEN. #2		-	
3E3	MEDS2		277/480, 3Ø	4-3 1/2" C EACH W/ 4-500MCM THW, 1 #3/0	GEN. SWGR.		-	
3E4	ATS #2		277/480, 3Ø	1000A FEEDER BUS DUCT	MEDS2		-	
3E6	PLUG-IN BUS DUCT		277/480, 3Ø	800A BUS DUCT	EDS3			
3E7	E3D2P		277/480, 3Ø	4 #2THW, 1#8 -2"C	EDS3	100A,3P	-	
3E8	XFMER E3D2T		480, 3Ø	4 #12 - 1/2"C	E3D2P	15A,3P	-	
3E9	E3D2L		120/208, 3Ø	4 #10, 1#8- 3/4"C	XFMER E3D2T		-	
3E10	EDP3		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	EDS3	100A, 3P	-	
3E11	E3B1P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100A, 3P	-	
3E12	XFMER E3B1T		480, 3Ø	3 #8THW, 1#10-3/4" C	E3B1P	40A, 3P	-	
XFMER E3B1T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	30 KVA
3E13	E3B1L		120/208, 3Ø	4 #2THW, 1#8-1 1/4" C	XFMER E3B1T		-	
3E16	E3A1P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100A, 3P	-	
3E17	XFMER E3A1T		480, 3Ø	4 #12-1/2" C	E3A1P	20A,3P	-	
XFMER E3A1T	-	-	480V TO DELTA 120/208 WYE		-	-	-	15KVA
3E18	E3A1L		120/208, 3Ø	5 #8 - 1" C	XFMER E3A1T		-	
3E21	E3B2P		277/480, 3Ø	4 #2THW, 1 #8 - 1 / 1/4"C	PLUG-IN BUS DUCT	100A, 3P	-	
3E22	XFMER E3B2T		480, 3Ø	4 #12-1/2" C	E3B2P	15A,3P	-	9 KVA

FEEDER SCHEDULE - POWER CENTER NO. 3

FEEDER NO.	TO	MIN. AIC BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
XFMER E3B2T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	9 KVA
3E23	E3B2L		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMER E3B2T		-	
3E26	J-BOX #707		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E27	J-BOX #710		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E28	J-BOX #709		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E29	J-BOX #708		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E31	E3A2P		277/480, 3Ø	4 #1/0THW, 1#6-2" C	PLUG-IN BUS DUCT	100A, 3P	-	
3E32	XFMER E3A2T		480, 3Ø	4 #12-1/2" C	E3A2P		-	
XFMER E3A2T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	9 KVA
3E33	E3A2L		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMER E3A2T		-	
3E66	J-BOX #805		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P	-	
3E67	E3C2P		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	EDS3	200A, 3P	-	
3E68	XFMER E3C2T		480, 3Ø	3 #6THW, 1#10-1" C	E3C2P	60A, 3P		
XFMER E3C2T	-	-	480V DELTA TO 120/208 WYE	-			-	45 KVA
3E69	E3C2L		120/208, 3Ø	4 #1/0THW, 1#6-2" C	XFMER E3C2T		-	
3E61	J-BOX #1222		277/480, 3Ø	4 #10, 1#8-3/4" C	EDP3	30A, 3P	-	
3E62	J-BOX #1223		277/480, 3Ø	4 #10, 1#8-3/4" C	EDP3	30A, 3P	-	
3E63	J-BOX #1236		277/480, 3Ø	4 #10, 1#8-3/4" C	EDP3	30A, 3P	-	
3E36	E3A3P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	EDS3	100A, 3P	-	
3E37	XFMER E3C3T		480, 3Ø	3 #8, 1#10-3/4" C	E3C3P	40A, 3P	-	
XFMER E3C3T			480V DELTA TO 120/208 WYE	-	-	-	-	30 KVA
3E38	E3A3L		120/208, 3Ø	4 #2THW, 1#8-1 1/4" C	XFMER E3A3T		-	
3E41	E3BPP		277/480, 3Ø	4 #1/0THW, 1#3-1 1/4" C	EDS3	100A, 3P	-	(2)
3E42	E3APP		277/480, 3Ø	4 #1/0THW, 1#8-1 1/4" C	EDS3	100A, 3P	-	(2)
3E43	E3CPP	-	277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	EDS3	100A, 3P	-	(2)
XFMER E3D2T	-	-	480V DELTA TO 120/208 WYE	-	-	-	-	9KVA
3E44	XFMER E3CPT		480, 3Ø	4 #12-1/2" C	E3CPP	15A, 3P	-	
XFMER E3CPT			480V DELTA TO 120/208 WYE	-	-	-	-	9KVA
3E45	E3CPL		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMER E3CPT		-	
3E46	XFMER E3BPT		480, 3Ø	4 #12-1/2" C	E3BPP	15AP,3P	-	
XFMER E3BPT			480V DELTA TO 120/208 WYE	-	-	-	-	9 KVA
3E47	E3BPL		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMER E3BPT	15A, 3P	-	
3E48	XFMER E3BPT		480, 3Ø	4 #12-1/2" C	E3APP		-	
XFMER E3BPT			480V DELTA TO 120/208, 3Ø	-	-	-	-	9 KVA
3E49	E3APL		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMER E3BPT		-	
3E50	J-BOX #2430A		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P		
3E51	J-BOX #2430B		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P		
3E52	J-BOX #2430C		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A, 3P		
3E53	J-BOX #2430D		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30A,3P		

● CURRENT LIMITING FUSE REQUIRED
— CURRENT LIMITING FUSE NOT REQUIRED

FEEDER SCHEDULE POWER CENTER NO.3 – REMOVAL

N.T.S.

KEYED NOTES: ⬡

1. INTERCEPT EXISTING FEEDER FROM SWITCHBOARD "NDS3" AND EXTEND TO SWITCHBOARD "EDS3". REFER TO DRAWINGS E8.14 FOR CIRCUIT BREAKER MODIFICATIONS.
2. UPON COMPLETION OF RECIRCUITING OF NORMAL POWER SWITCHBOARD TO EMERGENCY POWER SWITCHBOARD, REMOVE EXISTING FEEDER BACK TO PENTHOUSE. PATCH CEILINGS, WALLS AND FLOORS TO MATCH EXISTING.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

No. | Remarks | By
No. | Date

REVISIONS

DESIGN
Designed By: BPLW Date:
Drawn By: BPLW Date:
Checked By: BPLW Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

FEEDER SCHED.–PWR. CNTR. NO.3–REMOVAL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E8.7R	59	124

2 6 – 7 2 5 9 . 1 1 – 0 8

FEEDER SCHEDULE - POWER CENTER NO. 4

FEEDER NO.	TO	MIN. A/C BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE (1)	CLF FUSES	REMARKS
4N1	PMM XFMER		7.2/12.47, 3Ø	———	PMM 15kV SW.		—	BY PMM
4N2	NMS4		277/480, 3Ø	4-4"C EA/W 4-750MCM THW & 1#3/0	PMM XFMER		—	
4N3	NDS4		277/480, 3Ø	4-4"C EA/W 4-750MCM THW & 1#3/0	PMM XFMER		—	
4N4	ATS #3		277/480, 3Ø	2-3 1/2" C EA/W 4-600MCM & 1#3/0	NDS4		—	
4N6	PLUG-IN BUS DUCT		277/480, 3Ø	2000A BUS DUCT	NDS4			
4N11	N4A3P		277/480, 3Ø	4 #3/0THW, 1#6-2" C	PLUG-IN BUS DUCT	200 A3P		
4N12	XFMER N4A3T		480, 3Ø	3 #6 THW, 1#10-1" C.	N4A3P	60A-3P		
XFMER N4A3T	———	———	480V DELTA TO 120/208 WYE	———	———	———	—	45 KVA
4N13	N4A3L		120/208, 3Ø	4 #1/0 THW, 1#6-2" C.	XFMER N4A3T			
4N16	DISC.SW X3AC		277/480V, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
4N17	DISC.SW R4AC		277/480V, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
4N18	DISC.SW V7AC		277/480V, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
4N21	DISC.SW S8AC		277/480V, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
4N23	XFMER N4B2T		480, 3Ø	3#6, 1#10 - 1" CONDUIT	N4B2P	60 A3P		
XFMER N4B2T	———	———	480V DELTA TO 120/208 WYE	———	———	———	—	45 KVA
4N24	N4B2L		120/208, 3Ø	4#1/0, 1#6-2" C.	XFMER 4NB2T		—	
4N26	DISC.SW Y14AC		277/480V, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
4N27	DISC.SW S14AC		277/480V, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
4N28	DISC.SW Y17AC		277/480V, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
4N29	DISC.SW S17AC		277/480V, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
4N30	DISC.SW W17AC		277/480V, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
4N31	DISC.SW T17AC		277/480V, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
4N32	J-BOX #1907		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C.	NMS4	200 A3P		
4N33	DISC.SW #1512		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C.	NMS4	200 A3P		
4N34	DISC.SW #1515		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C.	NMS4	200 A3P		
4N35	DISC.SW #1514		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C.	NMS4	200 A3P		
4N41				2 1/2" C.	NMS4	200 A3P		
4N42	DISC.SW #1901		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N43	DISC.SW #1907		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N44	DISC.SW #1906		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N45				2 1/2" C.	NMS4	200 A3P		
4N46				2 1/2" C.	NMS4	200 A3P		
4N47	DISC.SW #1916		277/480V, 3Ø	4 #3/0 THW, 1#6-2 1/2"C.	NMS4	200A-3P		

FEEDER SCHEDULE - POWER CENTER NO.4

FEEDER NO.	TO	MIN. A/C BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
4E4	ATS #3		277/480, 3Ø	1000A FEEDER BUS DUCT	MEDS5			
4E7	PLUG-IN BUS DUCT		277/480, 3Ø	1000A BUS DUCT	EDS4			
4E8	E4CPP		277/480, 3Ø	4#3/0 THW, 1#6-2"C.	EDS4	200A, 3P		(1)
4E9	E4DPP		277/480, 3Ø	4#3/0 THW, 1#6-2"C.	EDS4	200A, 3P		(1)
4E10	E4APT		277/480, 3Ø	4 #1/0 THW, 1#6-2 1/2" C.	E4A3P	100 A3P		
4E11	E4A3P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100 A3P		
4E12	XFMER E4A3T		480, 3Ø	3 #8THW, 1#10-3/4" C	E4A3P	40 A3P		
XFMER E4A3T	———	———	480V DELTA TO 120/208 WYE	———	———	———	—	30 KVA
4E13	E4A3L		120/208, 3Ø	4 #2THW, 1#8-1 1/4" C	XFMER E4A3T	90 A3P		
4E14	E4APL		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMR E4APT			
4E15	XFMR E4BPT		480V, 3Ø	3 #12, 1#8-1/2" C	E4BPP	15 A3P		
4E16	J-BOX #1509		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E17	J-BOX #1512		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E18	J-BOX #1515		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E19	J-BOX #1514		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E20	E4BPL		120/208,3Ø	4 #10, 1#8-3/4" C	XFMR E4BPT			
4E21	E4B2P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100 A3P		
4E22	XFMER E4B2T		480, 3Ø	3 #12, 1#8-1/2" C	E4B2P	15 A3P		
XFMER E4B2T	———	———	480V DELTA TO 120/208 WYE	———	———	———	—	15 KVA
4L23	E4B2L		120/208, 3Ø	5#8-1" C.	XFMER E4B2T			
4E24	J-BOX #1916		277/480V, 3Ø	4#10, 1#8-3/4" C.	PLUG-IN BUS DUCT	30A-3P		
4E26	J-BOX #1906		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E27	J-BOX #1907		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E28	J-BOX #1901		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E29	J-BOX #3101		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
XFMR E4AFT			480V DELTA TO 120/208, 3Ø	———	———	———		9 KVA
XFMR E4AFT			480V DELTA TO 120/208, 3Ø	———	———	———		9 KVA
4E30	E4BPP		277/480, 3Ø	4#1, 1#8-1 1/2"C.	E4CPP	100A, 3P		
4E31	E4APP		277/480, 3Ø	4#1, 1#8-1 1/2"C.	E4DPP	100A, 3P		
4E32	DISC. SW X3W		277/480, 3Ø	4#3/0, 1#6 - 2 1/2"C.	EM PLUG-IN BUS DUCT	200A, 3P		
4E33	DISC. SW R4W		277/480, 3Ø	4#3/0, 1#6 - 2 1/2"C.	EM PLUG-IN BUS DUCT	200A, 3P		
4E34	DISC. SW V7W		277/480, 3Ø	4#3/0, 1#6 - 2 1/2"C.	EM PLUG-IN BUS DUCT	200A, 3P		
4E35	DISC. SW S8W		277/480, 3Ø	4#3/0, 1#6 - 2 1/2"C.	EM PLUG-IN BUS DUCT	200A, 3P		
4E36	DISC. SW Y14W		277/480, 3Ø	4#3/0, 1#6 - 2 1/2"C.	EM PLUG-IN BUS DUCT	200A, 3P		
4E37	DISC. SW S14W		277/480, 3Ø	4#3/0, 1#6 - 2 1/2"C.	EM PLUG-IN BUS DUCT	200A, 3P		
4E38	DISC. SW Y17W		277/480, 3Ø	4#3/0, 1#6 - 2 1/2"C.	EM PLUG-IN BUS DUCT	200A, 3P		
4E39	DISC. SW S17W		277/480, 3Ø	4#3/0, 1#6 - 2 1/2"C.	EM PLUG-IN BUS DUCT	200A, 3P		
4E40	DISC. SW W17W		277/480, 3Ø	4#3/0, 1#6 - 2 1/2"C.	EM PLUG-IN BUS DUCT	200A, 3P		
4E41	DISC. SW T17W		277/480, 3Ø	4#3/0, 1#6 - 2 1/2"C.	EM PLUG-IN BUS DUCT	200A, 3P		

FEEDER SCHEDULE

FEEDER NO.	TO	MIN. A/C BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS

FEEDER SCHEDULE - POWER CENTER NO. 4

FEEDER NO.	TO	MIN. A.I.C. BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE (1)	CLF FUSES	REMARKS
4N1	PNM XFMER		7.2/12.47, 3Ø	———	PNM 15kV SW.		—	BY PNM
4N2	NMS4		277/480, 3Ø	4-4"C EA/W 4-750MCM THW & 1#3/0	PNM XFMER		—	
4N3	NDS4		277/480, 3Ø	4-4"C EA/W 4-750MCM THW & 1#3/0	PNM XFMER		—	
4N4	ATS #3		277/480, 3Ø	2-3 1/2" C EA/W 4-600MCM & 1#3/0	NDS4		—	
4N5	PLUG-IN BUS DUCT		277/480, 3Ø	1000A FEEDER BUS DUCT	NDS4		—	
4N7	N4BPP		277/480, 3Ø	4 #3/0THW, 1#6-2" C	NDS4	200 A3P		(1)
4N8	N4APP		277/480, 3Ø	4 #3/0THW, 1#6-2" C	NDS4	200 A3P		(1)
4N11	N4A3P		277/480, 3Ø	4 #3/0THW, 1#6-2" C	PLUG-IN BUS DUCT	200 A3P		
4N12	XFMER N4A3T		480, 3Ø	3 #6 THW, 1#10-1" C.	N4A3P	60A-3P		
XFMER N4A3T	———	———	480V DELTA TO 120/208 WYE	———	———	———	—	45 KVA
4N13	N4A3L		120/208, 3Ø	4 #1/0 THW, 1#6-2" C.	XFMER N4A3T			
4N16	DISC.SW X3W		277/480V, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
4N17	DISC.SW R4W		277/480V, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
4N18	DISC.SW V7W		277/480V, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
4N21	DISC.SW S8W		277/480V, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
4N22	N482P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100 A3P		
4N23	XFMER N482T		480, 3Ø	3#6, 1#10 - 1" CONDUIT	N482P	60 A3P		
XFMER N482T	———	———	480V DELTA TO 120/208 WYE	———	———	———	—	45 KVA
4N24	N482L		120/208, 3Ø	4#1/0, 1#6-2" C.	XFMER 4NB2T		—	
4N26	DISC.SW Y14W		277/480V, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
4N27	DISC.SW S16W		277/480V, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
4N28	DISC.SW Y17W		277/480V, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
4N29	DISC.SW S17W		277/480V, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
4N30	DISC.SW W17W		277/480V, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
4N31	DISC.SW T17W		277/480V, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
4N32	DISC.SW #1509		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N33	DISC.SW #1512		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N34	DISC.SW #1515		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N35	DISC.SW #1518		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N41	DISC.SW #3101		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N42	DISC.SW #1901		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N43	DISC.SW #1907		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N44	DISC.SW #1906		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N45	DISC.SW #2726		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N46	DISC.SW #2723		277/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	NMS4	200 A3P		
4N47	DISC.SW #1916		277/480V, 3Ø	4 #3/0 THW, 1#6-2 1/2"C.	NMS4	200A-3P		

FEEDER SCHEDULE - POWER CENTER NO.4

FEEDER NO.	TO	MIN. A.I.C. BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
4E4	ATS #3		277/480, 3Ø	1000A FEEDER BUS DUCT	MDS5			
4E7	PLUG-IN BUS DUCT		277/480, 3Ø	1000A FEEDER BUS DUCT	EDS4			
4E8	E4BPP		277/480, 3Ø	4 #1/0THW, 1#6-2" C	EDS4	100 A3P		(2)
4E9	E4APP		277/480, 3Ø	4 #1/0THW, 1#6-2" C	EDS4	100 A3P		(2)
4E10	XFMR E4A3T		480, 3Ø	3 #8THW, 1#8-1/2" C	E4A3P	40 A3P		
4E11	E4A3P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100 A3P		
4E12	XFMER E4A3T		480, 3Ø	3 #8THW, 1#10-3/4" C	E4A3P	40 A3P		
XFMER E4A3T	———	———	480V DELTA TO 120/208 WYE	———	———	———	—	30 KVA
4E13	E4A3L		120/208, 3Ø	4 #2THW, 1#8-1 1/4" C	XFMER E4A3T	90 A3P		
4E14	E4APL		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMR E4APT			
4E15	XFMR E4BPT		480V, 3Ø	3 #12, 1#8-1/2" C	E4BPP	15 A3P		
4E16	J-BOX #1509		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E17	J-BOX #1512		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E18	J-BOX #1515		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E19	J-BOX #1514		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E20	E4BPL		120/208,3Ø	4 #10, 1#8-3/4" C	XFMR E4BPT			
4E21	E4B2P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100 A3P		
4E22	XFMER E4B2T		480, 3Ø	3 #12, 1#8-1/2" C	E4B2P	15 A3P		
XFMER E4B2T	———	———	480V DELTA TO 120/208 WYE	———	———	———	—	15 KVA
4E23	E4B2L		120/208, 3Ø	5#8-1" C.	XFMER E4B2T			
4E24	J-BOX #1916		277/480V, 3Ø	4#10, 1#8-3/4" C.	PLUG-IN BUS DUCT	30A-3P		
4E26	J-BOX #1906		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E27	J-BOX #1907		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E28	J-BOX #1901		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
4E29	J-BOX #3101		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P		
XFMR E46PT			480V DELTA TO 120/208, 3Ø	———	———	———		9 KVA
XFMR E48PT			480V DELTA TO 120/208, 3Ø	———	———	———		9 KVA

FEEDER SCHEDULE

FEEDER NO.	TO	MIN. A.I.C. BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS

● CURRENT LIMITING FUSE REQUIRED
— CURRENT LIMITING FUSE NOT REQUIRED

KEYED NOTES:

1. INTERCEPT EXISTING FEEDER FROM SWITCHBOARD "NDS4" AND EXTEND TO SWITCHBOARD "EDS4". REFER TO DRAWINGS E8.15 FOR CIRCUIT BREAKER MODIFICATIONS.
2. UPON COMPLETION OF RECIRCUITING OF NORMAL POWER SWITCHBOARD TO EMERGENCY POWER SWITCHBOARD, REMOVE EXISTING FEEDER BACK TO PENTHOUSE. PATCH CEILINGS, WALLS AND FLOORS TO MATCH EXISTING.

FEEDER SCHEDULE POWER CENTER NO.4 – REMOVAL

N.T.S.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS

No.	Date	Remarks	By

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG
INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 • FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
FEEDER SCHED.–PWR. CNTR. NO.4–REMOVAL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E8.8R	60	124

26-725911.11-08

FEEDER SCHEDULE - POWER CENTER NO. [illegible]

FEEDER NO.	TO	MIN AIC BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
5N1	PNM XFMER		3,2/12.47KV/3Ø	--	PNM 15KV SW.			BY PNM
5N2	NMS5		77/480, 3Ø	4 - 4"C EACH WITH 4 - 750MCM THW & 1 #2/0	PNM XFMER			
5N3	NDS5		77/480, 3Ø	4 - 4"C EACH WITH 4 - 750MCM THW & 1 #2/0	PNM XFMER			
5N4	ATS #4		77/480, 3Ø	2-3 1/2C EACH WITH 4 - 600MCM THW & 1 #3/0	NDS5			
5N5	PLUG-IN BUS DUCT		77/480, 3Ø	2000A BUS DUCT	NDS5			
5N11	DISC.SW T17AC		77/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
5N12	DISC.SW W17AC		77/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
5N13	DISC.SW S17AC		77/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
5N14	DISC.SW Y17AC		77/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
5N15	DISC.SW [illegible]		77/480, 3Ø	4 #3/0THW, 1#6-2 1/2"C	NMS5	200 A3P		
5N16	N582P		77/480, 3Ø	4 #2THW, 1#8-2 1/2" C	PLUG-IN BUS DUCT	100 A3P		
5N17	XFMER N582T		80, 3Ø	3 #2 THW, 1 #8-1 1/4" C	N582P	100 A3P		
XFMER N582T	——	——	80V DELTA 20/208Y	——	——	——	——	75 KVA
5N18	N582L		20/208, 3Ø	4 #4/0 THW, 1 #2-2 1/2" C.	XFMER N582T			
5N21	DISC.SW Y14AC		77/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
5N22	DISC.SW S13AC		77/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
5N26	DISC.SW Y8		77/480, 3Ø	4#3/0THW, 1#6- 2 1/2" C	PLUG-IN BUS DUCT	200 A3P		
5N27	DISC.SW S7		77/480, 3Ø	4#3/0THW, 1#6- 2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
5N28	N5A3P		77/480, 3Ø	4 #3/0THW, 1#6- 2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
5N29	XFMER N5A3T		80V, 3Ø	3 #2THW, 1#8-1 1/4" C	N5A3P	100 A3P		
XFMER N5A3T	——	——	80V DELTA TO 20/208 WYE	——	——	——	——	75 KVA
5N30	N5A3L		20/208, 3Ø	4#3/0THW, 1#6- 2 1/2" C	XFMER N5A3T			
5N31	DISC.SW W3AC		77/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	PLUG-IN BUS DUCT	200A, 3P		
5N32	N5A2P		77/480, 3Ø	3#8, 1#10 - 3/4" CONDUIT	PLUG-IN BUS DUCT	40 A3P		
5N33	XFMER N5A2T		80, 3Ø	3#8, 1#10 - 3/4" CONDUIT	N5A2P	40 A3P		
XFMER N5A2T	——	——	80V DELTA TO 20/208 WYE	——	——	——	——	30 KVA
5N34	N5A2L		20/208, 3Ø	4#2, 1#8 - 1 1/4" CONDUIT	XFMER N5A2T			
5N36				2 1/2" C	NMS5	200 A3P		
5N37	DISC.SW #1507		77/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P		
5N38	DISC.SW #1504		77/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P		
5N39	DISC.SW #1508		77/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P		
5N40	DISC.SW #1502		77/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P		
5N41	DISC.SW #1501		77/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P		
5N42				2 1/2" C	NMS5	200 A3P		
5N43				2 1/2" C	NMS5	200 A3P		

FEEDER SCHEDULE - POWER CENTER NODE

FEEDER NO.	[illegible] SWITCH	MIN AIC BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
5E1	GEN [illegible] SW#4		277/480, 3Ø	2 - 3 1/2" C EACH/ W 4 - 500 MCM THW, 1# 3/0	ENG. GEN. NO. 4	[illegible]	——	
5E2	G3R [illegible] SW#3		277/480, 3Ø	2 - 3 1/2" C EACH/ W 4 - 500 MCM THW, 1# 3/0	ENG. GEN. NO. 3	[illegible]	——	
5E3	ME[illegible]		277/480, 3Ø	4 - 3 1/2" C EACH/ W 4 - 500 MCM THW, 1# 3/0	GEN'R SWGR.	[illegible]	——	
5E4	ATS#4		277/480, 3Ø	1000A FEEDER BUS DUCT	MEDS5	[illegible]	——	
							——	
5E6	PLUG-[illegible] BUS DUCT		277/480, 3Ø	800A BUS DUCT	EDS5	PLUG-IN BUS DUCT	——	
5E7	E[illegible]		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	MEDS5	[illegible]		
5E8	X[illegible] E[illegible]		480V, 3Ø	3 #12, 1#8-1/2" C	E5C2P	[illegible]	——	
XFMER E5C2T	——	——	480V DELTA TO 120/208, 3Ø	——	——	——	——	15 KVA
5E9	E5C2L		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMER E5C2T	[illegible]	——	
5E11	J-[illegible] #[illegible]		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	[illegible]	——	
5E12	E[illegible]		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	[illegible]		
5E13	X[illegible] E[illegible]		480, 3Ø	3 #8, 1 #10-3/4" C	E5B2P	[illegible]		
XFMER E5B2T	——	——	480V DELTA TO 120/208 WYE	——	——	——	——	30 KVA
5E14	E[illegible]		120/208, 3Ø	4 #2 THW, 1 #8-1 1/4" C	XFMER E5B2T	[illegible]		
5E16	E[illegible]		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	[illegible]		
5E17	X[illegible] E[illegible]		480, 3Ø	3 #8THW, 1#10-3/4" C	E5A3P	[illegible]		
XFMER E5A3T	——	——	480V DELTA TO 120/208 WYE	——	——	——	——	30 KVA
5E18	E[illegible]		120/208, 3Ø	4 #2THW, 1#8-1 1/4" C	XFMER E5A3T	[illegible]		
5E19	**XFMR E5DPT**	**—**	**480V,3Ø**	**4#12, 1/2"C**	**E5DPP**	**20A/3P**		
5E20	**E5DPL**	**—**	**120/208, 3Ø**	**4#10, 1#8, 3/4"C**	**XFMR E5DPT**	**—**		
5E21	J-[illegible] #[illegible]		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	[illegible]	——	
5E22	E[illegible]		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	[illegible]		
5E23	X[illegible] E[illegible]		480, 3Ø	4 #2THW, 1#8-1 1/4" C	E5A2P	[illegible]		
XFMER E5A2T	——	——	480V DELTA TO 120/208 WYE	——	——	——	——	9 KVA
5E24	E[illegible]		120/208, 3Ø	4 #10-1#8-3/4" C	XFMER E5A2T	[illegible]		
XFMR E5DPT	**—**	**—**	**480V DELTA TO 120/208 WYE**	**—**	**—**	**—**		**15 KVA**
5E26	J-[illegible] #[illegible]		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	[illegible]	——	
5E27	J-[illegible] #[illegible]		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	[illegible]	——	
5E28	J-[illegible] #[illegible]		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	[illegible]	——	
5E29	J-[illegible] #[illegible]		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	[illegible]	——	
5E30	J-[illegible] #[illegible]		277/480, 3Ø	4 #10THW, 1#8-3/4" C	PLUG-IN BUS DUCT	[illegible]	——	
5E31	X[illegible] E[illegible]		480,3Ø	4 #12-1/2" C	E5APP	[illegible]	——	
XFMER E5APT	——	——	480V DELTA TO 120/208 WYE	——	——	——	——	9 KVA
5E32	E[illegible]		120/208,3Ø	4 #10, 1#8-3/4" C	XFMER E5APT	[illegible]	——	
5E35	E5GPP	—	277/480V, 3Ø	4#4/0, 1#2-2 1/2"C	EDS5	200A, 3P		
5E36	E5DPP		277/480, 3Ø	4#2/0, 1#2-2 1/2"C.	EDS5	200A, 3P		(1)
5E37	E5EPP		277/480, 3Ø	4#2, 1#8-2 1/2"C.	EDS5	100A, 3P		(1)
5E38	E5FPP		277/480, 3Ø	4#4/0, 1#2-2 1/2"C.	EDS5	200A, 3P		(1)
5E39	X[illegible] E[illegible]		[illegible]	4 #12-3/4" C	E5BPP	[illegible]		
XFMER E5BPT	——	——	480V DELTA TO 120/208 WYE	——	——	——	——	9 KVA
5E40	E5BPL		120/208,3Ø	4 #10, 1#8-3/4" C	XFMER E5BPT	[illegible]	——	
5E41	X[illegible] E[illegible]		480V,3Ø	4 #12-1/2" C	E5CPP	[illegible]	——	
XFMER E5CPT	——	——	480V DELTA TO 120/208 WYE	——	——	——	——	15 KVA
5E42	E5CPL		120/208,3Ø	4 #10, 1#8-3/4" C	XFMER E5CPT	[illegible]	——	
5E43	E5CPP		277/480, 3Ø	4#1, 1#8-1 1/2"C.	E5DPP	100A, 3P	—	
5E44	E5BPP		277/480, 3Ø	4#1, 1#8-1 1/2"C.	E5EPP	100A, 3P	—	
5E45	E5APP		277/480, 3Ø	4#1, 1#8-1 1/2"C.	E5FPP	100A, 3P	—	
5E46	E5DPP		277/480, 3Ø	4#1, 1#8-1 1/2"C.	E5GPP	100A, 3P	—	

FEEDER SCHEDULE - POWER CENTER NO. 6

FEEDER NO.	TO	MIN AIC BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER / SWITCH SIZE	CLF FUSES	REMARKS
6N1	CHILLER #1		277/480, 3Ø	2-3 1/2"C. EACH WITH 4-500 MCM & 1/0	NDS6	800A, 3P		
6N2	CHILLER #2		277/480, 3Ø	2-3 1/2"C. EACH WITH 4-500 MCM & 1/0	NDS6	800A, 3P		
6N3	MCC-1		277/480, 3Ø	2-3 1/2"C. EACH WITH 4-500 MCM & 1/0	NDS6	800A, 3P		
6N4	NDS6		277/480, 3Ø	2000A, 4 WIRE, COPPER FEEDER BUS DUCT	PNM VAULT	1750A, 3P		
6N5	NDS6B		277/480, 3Ø	2000A, 4 WIRE, COPPER FEEDER BUS DUCT	PNM VAULT	1750A, 3P		
6N6	CHILLER #3		277/480, 3Ø	3-3 1/2"C. EACH WITH 3-350 MCM THW & 1-#2/0 GROUND	NDS6B	800A, 3P		
6N7	NUIP		277/480, 3Ø	2-3 1/2"C. EACH WITH 4-350 MCM THW & 1-#1 GROUND	NDS6	600A, 3P		
6N8	E		277/480, 3Ø	4-#1, 1-#8 - 2" C.	NDS6B	100A, 3P		
6N9	M		277/480, 3Ø	4-#1, 1-#8 - 2" C.	NDS6B	100A, 3P		
6E1	EMCC2		277/480, 3Ø	2-3 1/2"C. EACH WITH 3-350 MCM THW & 1-#1 GROUND	"MEDS-2"	1000A, 3P		
6E2	CHILLER #3		277/480, 3Ø	3-3 1/2"C. EACH WITH 4-350 MCM THW & 1-#2/0 GROUND	EMCC2	800A, 3P		

FEEDER SCHEDULE - POWER CENTER NO. 5

FEEDER NO.	TO	MAIN AIC BREAKER	VOTAGE/PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER/ SWITCH SIZE	CLF FUSE	REMARKS
5E47	DISC. SW T17		277/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	EM PLUG-IN BUS DUCT	200A, 3P		
5E48	DISC. SW W13		277/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	EM PLUG-IN BUS DUCT	200A, 3P		
5E49	DISC. SW S17		277/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	EM PLUG-IN BUS DUCT	200A, 3P		
5E50	DISC. SW Y17		277/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	EM PLUG-IN BUS DUCT	200A, 3P		
5E51	DISC. SW Y14		277/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	EM PLUG-IN BUS DUCT	200A, 3P		
5E52	DISC. SW S13		277/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	EM PLUG-IN BUS DUCT	200A, 3P		
5E53	DISC. SW Y8		277/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	EM PLUG-IN BUS DUCT	200A, 3P		
5E54	DISC. SW S7		277/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	EM PLUG-IN BUS DUCT	200A, 3P		
5E55	DISC. SW W3		277/480, 3Ø	4#3/0, 1#6 - 2 1/2" C	EM PLUG-IN BUS DUCT	200A, 3P		

(1) CURRENT LIMITING FUSE REQUIRED
— CURRENT LIMITING FUSE NOT REQUIRED

FEEDER SCHEDULE POWER CENTER NO.5 & 6

N.T.S.

ABQ INTERNATIONAL SUNPORT

KEYED NOTES: ⬡

1. INTERCEPT EXISTING FEEDER FROM SWITCHBOARD "NDS5" AND EXTEND TO SWITCHBOARD "EDS5". REFER TO DRAWINGS E8.16 AND E8.19 FOR CIRCUIT BREAKER MODIFICATIONS.

AS BUILT INFORMATION
Contractor
Work Started By Date
Inspector's Acceptance By Date
Final Verification By Date
Drawings Delivered By Date
MICRO-FILM INFORMATION
Recorded By Date
No.

BENCH MARKS
SURVEY INFORMATION
Field Notes
No. By Date

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

REVISIONS
No. Date By Remarks
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES
FEEDER SCHEDULE—POWER CENTER NO.5 & 6

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E8.9	120	124

26-7259.11-08

FEEDER SCHEDULE - POWER CENTER NO.5

FEEDER NO.	TO	MIN. A.I.C. BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER (1) SWITCH SIZE	FUSES	REMARKS
5N1	PNM XFMER	------	7.2/12.47KV/3Ø	--	PNM 15KV SW.	------	----	BY PNM
5N2	NDS5	------	277/480, 3Ø	4 - 4"C EACH WITH 4 - 350MCM THW & 1 #2/0	PNM XFMER	------	----	
5N3	NDS5		277/480, 3Ø	4 - 4"C EACH WITH 4 - 350MCM THW & 1 #2/0	PNM XFMER		----	
5N4	ATS #4		277/480, 3Ø	2-3 1/2C SCH 80 WITH 4 - 600MCM THW & 1 #3/0	NDS5		----	
5N5	PLUG-IN BUS DUCT		277/480, 3Ø	800AA BUS DUCT	NDS5		----	
5N6	N5CPP		277/480, 3Ø	4 #2/0THW, 1#2-2 1/2" C	NDS5	200 A3P		1
5N7	N5BPP		277/480, 3Ø	4 #2THW, 1#8-2 1/2" C	NDS5	100 A3P		1
5N8	N5APP		277/480, 3Ø	4 #4/0THW, 1#2-2 1/2" C	NDS5	200 A3P		1
5N9	N5DPP	–	277/480V,3Ø	4#2 THW, 1#8-1 1/4"C	NDS5	100A/3P		3
5N11	DISC.SW T17		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	PLUG-IN BUS DUCT	200 A3P		
5N12	DISC.SW W17		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C	PLUG-IN BUS DUCT	200 A3P		
5N13	DISC.SW S17		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2"C	PLUG-IN BUS DUCT	200 A3P		
5N14	DISC.SW Y17		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2"C	PLUG-IN BUS DUCT	200 A3P		
5N15	DISC.SW P.7C4		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2"C	NMS5	200 A3P	----	
5N16	N5B2P		277/480, 3Ø	4 #2THW, 1#8-2 1/2" C	PLUG-IN BUS DUCT	100 A3P		
5N17	XFMER N5B2T		480, 3Ø	3 #2 THW, 1 #8-1 1/4" C	N5B2P	100 A3P		
XFMER N5B2T	------	----	480V DELTA 120/208Y	----------	------			75 KVA
5N18	N5B2L		120/208, 3Ø	4 #4/0 THW, 1 #2-2 1/2" C.	XFMER N5B2T			
5N21	DISC.SW Y14		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C.	PLUG-IN BUS DUCT	200 A3P	----	
5N22	DISC.SW S13		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C.	PLUG-IN BUS DUCT	200 A3P	----	
5N26	DISC.SW Y8		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C.	PLUG-IN BUS DUCT	200 A3P	----	
5N27	DISC.SW S7		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C.	PLUG-IN BUS DUCT	200 A3P	----	
5N28	N5A3P		277/480, 3Ø	4 #3/0THW, 1#6-2 1/2" C.	PLUG-IN BUS DUCT	200 A3P		
5N29	XFMER N5A3T		480V, 3Ø	3 #2THW, 1#8-1 1/4" C	N5A3P	100 A3P		
XFMER N5A3T	------	----	480V DELTA TO 120/208 WYE	----------	------		----	75 KVA
5N30	N5A3L		120/208, 3Ø	4 #4/0THW, 1#6-2 1/2" C	XFMER N5A3T	225 A3P		
5N31	DISC.SW W3		277/480, 3Ø	4-#3/0THW, 1#6-2 1/2" C	PLUG-IN BUS DUCT	200 A3P	----	
5N32	N5A2P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100 A3P		
5N33	XFMER N5A2T		480, 3Ø	3#8, 1#10 - 3/4" CONDUIT	N5A2P	40 A3P		
XFMER N5A2T	------	----	480V DELTA TO 120/208 WYE	----------	------		----	30 KVA
5N34	N5A2L		120/208, 3Ø	4#2, 1#8 - 1 1/4" CONDUIT	XFMER N5A2T			
5N36	DISC.SW #2714		277/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P	----	
5N37	DISC.SW #1507		277/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P	----	
5N38	DISC.SW #1504		277/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P	----	
5N39	DISC.SW #1508		277/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P	----	
5N40	DISC.SW #1506		277/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P	----	
5N41	DISC.SW #1501		277/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P	----	
5N42	DISC.SW #2703		277/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P	----	
5N43	DISC.SW #2705		277/480, 3Ø	4 #4/0THW, 1#6-2 1/2" C	NMS5	200 A3P	----	

FEEDER SCHEDULE - POWER CENTER NO.5

FEEDER NO.	TO	MIN. A.I.C. BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER SWITCH SIZE	FUSES	REMARKS
5E1	GEN'R SWGR.		277/480, 3Ø	2 - 3 1/2" C EACH/ W 4 - 500 MCM THW, 1# 3/0	EVG. GEN. NO. 4		----	
5E2	GEN'R SWGR.		277/480, 3Ø	2 - 3 1/2" C EACH/W 4 - 500 MCM THW, 1# 3/0	ENG. GEN. NO. 3		----	
5E3	MEDS5		277/480, 3Ø	4 - 3 1/2" C EACH/ W 4 - 500 MCM THW, 1# 3/0	GEN'R SWGR.		----	
5E4	ATS#4		277/480, 3Ø	1000A FEEDER BUS DUCT	MEDS5		----	

5E6	PLUG-IN BUS DUCT		277/480, 3Ø	800A BUS DUCT	EDS5		----	
5E7	E5C2T		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	MEDS5	100 A3P		
5E8	XFMER E5C2T		480V, 3Ø	3 #12, 1#8-1/2" C	E5C2P	2C A3P	----	
XFMER E5C2T			480V DELTA TO 120/208, 3Ø	----------	------	------	----	15 KVA
5E9	E5C2L		120/208, 3Ø	4 #10, 1#8-3/4" C	XFMER E5C2T		----	
5E11	J-BOX #1706		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P	----	
5E12	E5B2P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100 A3P		
5E13	XFMER E5B2T		480, 3Ø	3 #8, 1 #10-3/4" C	E5B2P	40A,3P		
XFMER E5B2T	------	----	480V DELTA TO 120/208 WYE	----------	------	------	----	30 KVA
5E14	E5B2L		120/208, 3Ø	4 #2 THW, 1 #8-1 1/4" C	XFMER E5B2T			
5E16	E5A3P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100 A3P		
5E17	XFMER E5A3T		480, 3Ø	3 #8THW, 1#10-3/4" C	E5A3P	40 A3P		
XFMER E5A3T	------	----	480V DELTA TO 120/208 WYE	----------	------	------	----	30 KVA
5E18	E5A3L		120/208, 3Ø	4 #2THW, 1#8-1 1/4" C	XFMER E5A3T			
5E19	XFMR E5DPT	–	480V,3Ø	4#12, 1/2"C	E5DPP	20A/3P		
5E20	E5DPL	–	120/208, 3Ø	4#10, 1#8, 3/4"C	XFMR E5DPT	–		
5E21	J-BOX #2714		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P	----	
5E22	E5A2P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	PLUG-IN BUS DUCT	100 A3P		
5E23	XFMER E5A2T		480, 3Ø	4 #2THW, 1#8-1 1/4" C	E5A2P	100 A3P		
XFMER E5A2T	------	----	480V DELTA TO 120/208 WYE	----------	------	------	----	5 KVA
5E24	E5A2L		120/208, 3Ø	4 #10-1#8-3/4" C	XFMER E5A2T			
XFMR E5DPT	–	–	480V DELTA TO 120/208 WYE	–	–	–		15 KVA
5E26	J-BOX #1501		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P	----	
5E27	J-BOX #1502		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P	----	
5E28	J-BOX #1506		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P	----	
5E29	J-BOX #1504		277/480, 3Ø	4 #10, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P	----	
5E30	J-BOX #1507		277/480, 3Ø	4 #10THW, 1#8-3/4" C	PLUG-IN BUS DUCT	30 A3P	----	
5E31	XFMER E5A7T		480, 3Ø	4 #12-1/2" C	E5A7P	15 A3P	----	
XFMER E5A7T			480V DELTA TO 120/208 WYE	----------	------	------	----	9 KVA
5E32	E5A7L		120/208,3Ø	4 #10, 1#8-3/4" C	XFMER E5A7T		----	
5E36	E5C7P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	ED55	100 A3P		2
5E37	E5A9P		277/480, 3Ø	4 #2THW, 1#8-1 1/4" C	ED55	100 A3P		2
5E38	E5B9P		277/480, 3Ø	4 # THW, 1# " C	ED55	100A, 3P		2
XFMER E5B7T			480V DELTA TO 120/208 WYE	----------	------	------	----	9 KVA
5E42	E5B7L		120/208,3Ø	4 #10, 1#8-3/4" C	XFMER E5B7T			
5E41	XFMER E5C7T		480Y,3Ø	4 #12-1/2" C	E5C7P	20 A3P	----	
XFMER E5C7T			480V DELTA TO 120/208 WYE	----------	------	------	----	15 KVA
5E42	E5C7L		120/208,3Ø	4 #10, 1#8-3/4" C	XFMER E5C7T		----	

FEEDER SCHEDULE - POWER CENTER NO.6

FEEDER NO.	TO	MIN. A.I.C. BREAKER	VOLTAGE / PHASE	FEEDER DESCRIPTION	FED FROM	BREAKER SWITCH SIZE	FUSES	REMARKS
6N1	CHILLER #1		277/480, 3Ø	2-3 1/2" C. EACH WITH 4-500 MCM THW & 1 # 1/0	ND56	800A, 3P		
6N2	CHILLER #2		277/480, 3Ø	2-3 1/2" C. EACH WITH 4-500 MCM THW & 1 # 1/0	ND56	800A, 3P		
5N3	MCC-1		277/480, 3Ø	2-3 1/2" C. EACH WITH 4-500 MCM THW & 1 # 1/0	ND56	800A, 3P		

◆ CURRENT LIMITING FUSE REQUIRED
---- CURRENT LIMITING FUSE NOT REQUIRED

KEYED NOTES:

1. INTERCEPT EXISTING FEEDER FROM SWITCHBOARD "NDS5" AND EXTEND TO SWITCHBOARD "EDS5". REFER TO DRAWINGS E8.16 FOR CIRCUIT BREAKER MODIFICATIONS.
2. UPON COMPLETION OF RECIRCUITING OF NORMAL POWER SWITCHBOARD TO EMERGENCY POWER SWITCHBOARD, REMOVE EXISTING FEEDER BACK TO PENTHOUSE. PATCH CEILINGS, WALLS AND FLOORS TO MATCH EXISTING.
3. FEEDER TO BE COMPLETELY REMOVED. REFER TO SHEET E8.9 FOR REPLACEMENT FEEDER INFORMATION.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION

Contractor

Work Started By / Date
Substantial Completion By / Date
Acceptance By / Date
Verification By / Date
Drawings Corrected By / Date

MICRO-FILM INFORMATION

Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

No.	Date	Remarks	By

REVISIONS

DESIGN

Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 - FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

FEEDER SCHEDULE POWER CENTER NO.5,6 – REMOVAL

N.T.S.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

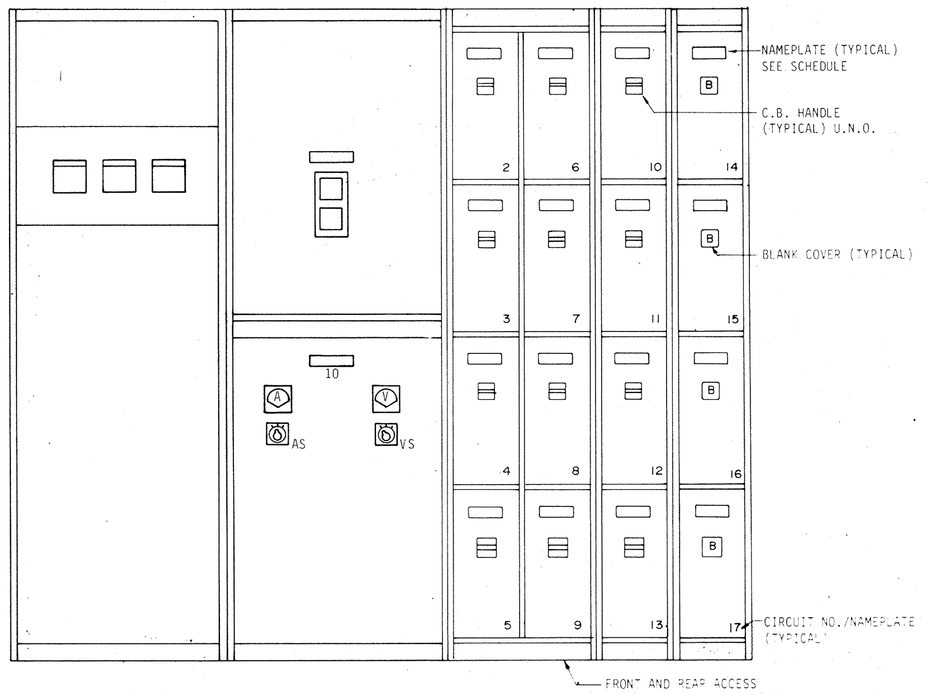
TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

FEEDER SCHED.–PWR.CNTR. NO.5,6–REMOVAL

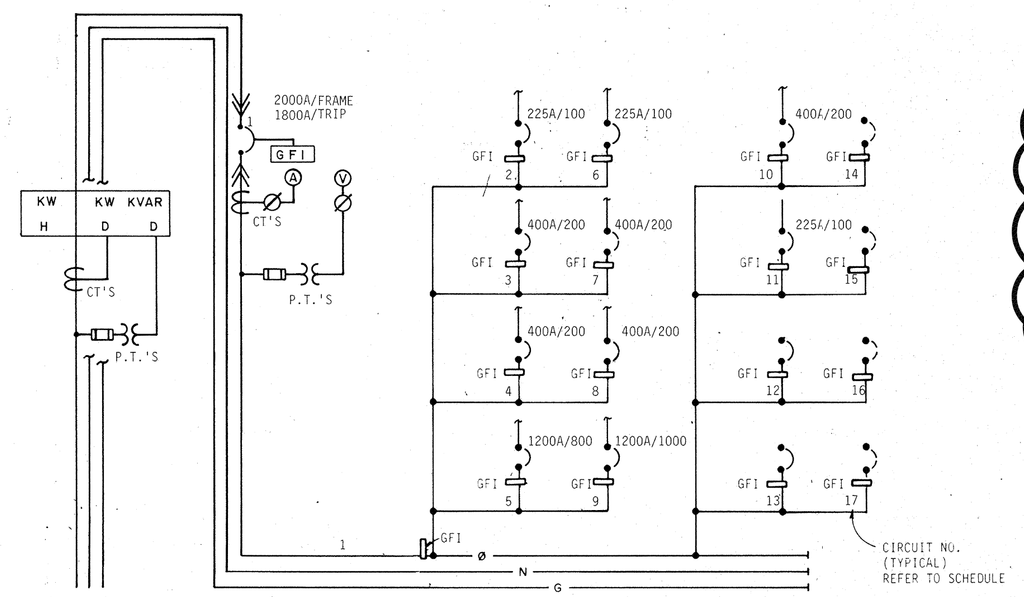
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E8.9R	61	124

2 6 – 7 2 5 9 . 1 1 – 0 8



MAIN SWITCHBOARD "NDS2" ELEVATION
SCALE: 3/4" = 1'-0"



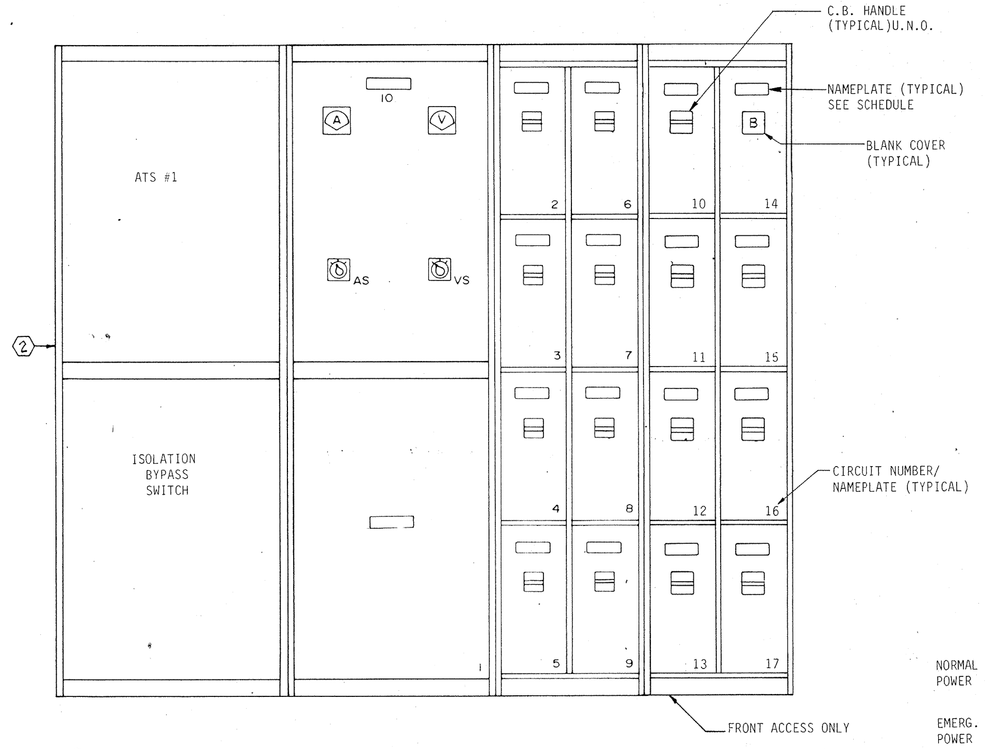
MAIN SWITCHBOARD "NDS2" SCHEMATIC
NO SCALE

MAIN SWITCHBOARD "NDS2" SCHEDULE

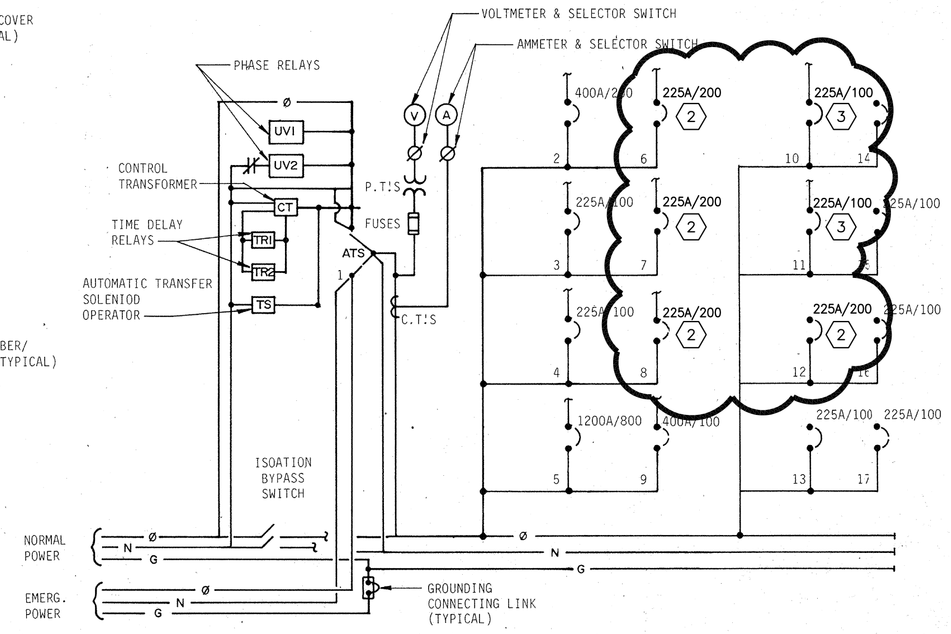
CCT.NO.	NAMEPLATE	REMARKS
1	MAIN BREAKER	
2	PANEL "N2C2P"	
3	PANEL "N2A3P"	
4	~~PANEL "N2EPP"~~ SPARE	(1)
5	~~PANEL "N2GPP"~~ SPARE	
6	~~PANEL "N2EPP"~~ SPARE	(1)
7	~~PANEL "N2APP"~~ SPARE	(1)
8	~~PANEL "N2BPP"~~ SPARE	(1)
9	~~PANEL "N2CPP"~~ SPARE	
10	~~PANEL "N2CPP"~~ SPARE	(1)
11	~~PANEL "N2BPP"~~ SPARE	(1)
12	SPARE	
13	SPARE	
14	SPACE	
15	SPACE	
16	SPACE	
17	SPACE	
18	MAIN SWITCHBOARD "NDS2"	

"EDS2" LOAD SUMMARY SCHEDULE
@480/277V, 3-PHASE

LOAD	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)	DEMAND LOAD AMPS
EXISTING (PEAK)	180327	@100%	180327	217
MECHANICAL (ADDED)	476994	@100%	476994	574
TOTAL	657321 VA		657321 VA	791 AMPS



EMERGENCY DISTRIBUTION SWBD. "EDS2" ELEVATION
SCALE: 3/4" = 1'-0"



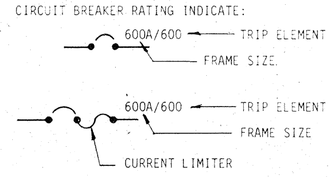
EMERGENCY DISTRIBUTION SWBD. "EDS2" SCHEMATIC
NO SCALE

EMERGENCY DISTRIBUTION SWITCHBOARD "EDS2" SCHEDULE

CCT.NO.	NAMEPLATE	REMARKS
1	ATS #1	
2	PANEL "EDP2"	
3	PANEL "E2C2P"	
4	PANEL "E2A3P"	
5	SPARE	
6	PANEL "E2GPP" (EXIST. PANEL "N2APP")	
7	PANEL "E2HPP" (EXIST. PANEL "N2BPP")	
8	PANEL "E2JPP" (EXIST. PANEL "N2CPP")	
9	SPARE	
10	PANEL "E2KPP" (EXIST. PANEL "N2DPP")	
11	PANEL "E2LPP" (EXIST. PANEL "N2EPP")	
12	PANEL "E2MPP" (EXIST. PANEL "N2FPP")	
13	SPARE	
14	SPACE	
15	SPARE	
16	SPARE	
17	SPARE	
18	EMERG. DISTRIBUTION SWED "EDS2"	

NOTE:
SWITCHBOARDS ARE VERTICALLY BUSSED INDIVIDUALLY MOUNTED CIRCUIT BREAKER REAR ACCESSIBLE.

CIRCUIT BREAKER RATING INDICATE:



ABQ INTERNATIONAL SUNPORT

GENERAL NOTES:

A. THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THE EXISTING CIRCUIT BREAKER INFORMATION TO ASSURE THAT REQUIRED COMPONENTS MATCH EXISTING EQUIPMENT.

B. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

KEYED NOTES:

1. UPON COMPLETION OF RECIRCUITING PANEL TO EMERGENCY SWITCHBOARD, BREAKER SHALL REMAIN AS A SPARE.
2. CHANGE TRIP SETTING IN EXISTING BREAKER TO 200A.
3. LEAVE TRIP SETTING IN EXISTING BREAKER AT 100A.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Added Work By / Date
Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | By | Date | Remarks
DESIGN Date:
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

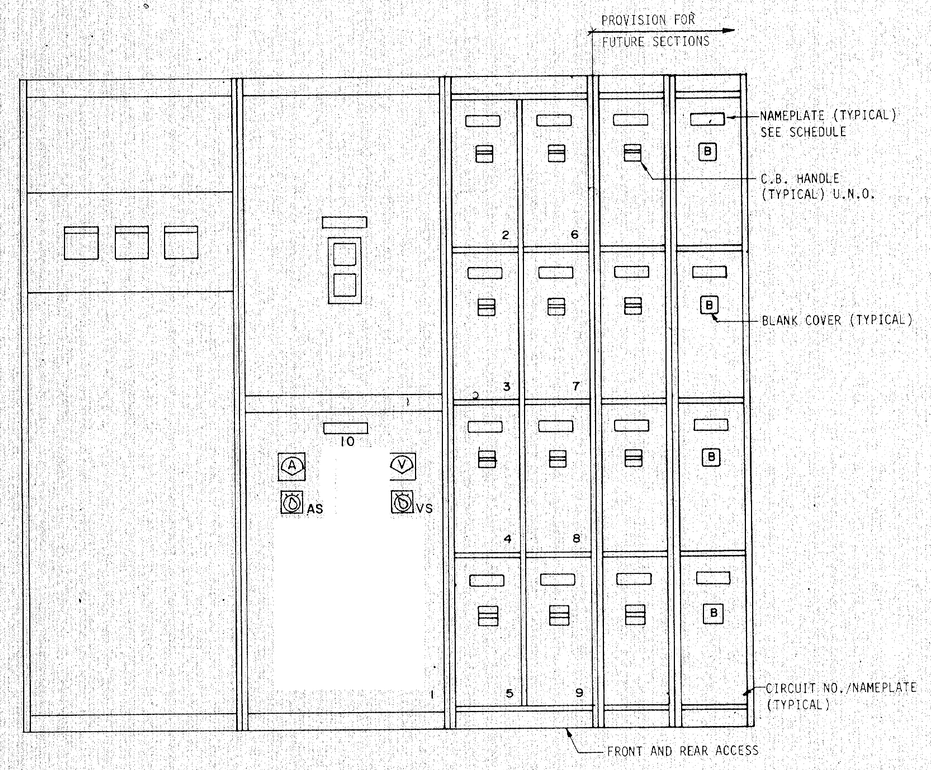
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
SCHEMATICS – POWER CENTER NO.2

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

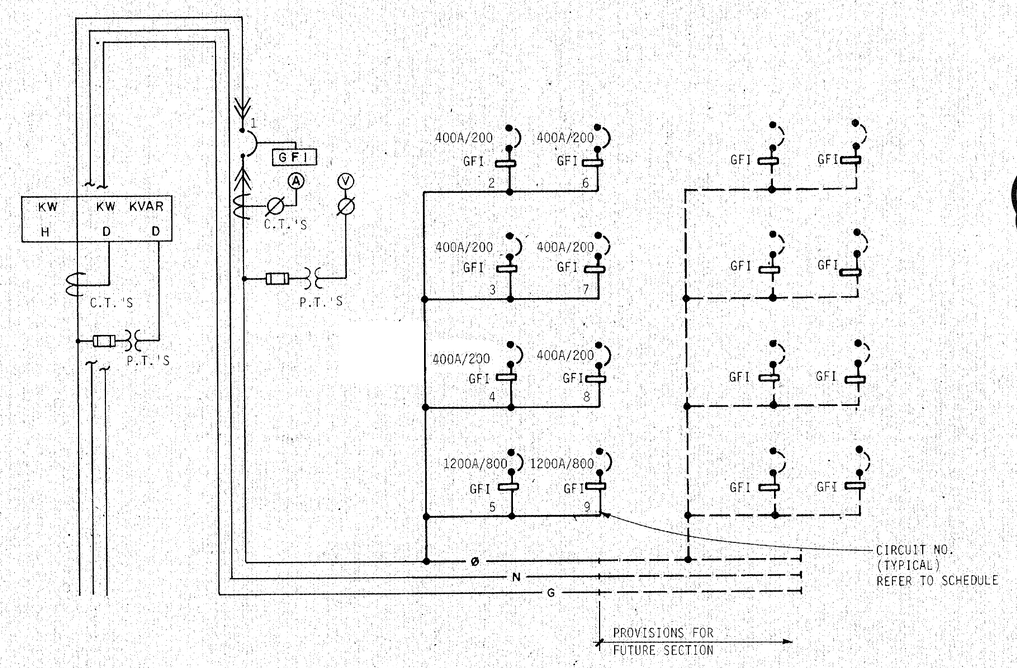
City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E8.10	121	124

26-7259.11-08



MAIN SWITCHBOARD "NDS3" ELEVATION

SCALE: 3/4"=1'-0"



MAIN SWITCHBOARD "NDS3" SCHEMATIC

NO SCALE

MAIN SWITCHBOARD "NDS3" SCHEDULE

CCT.NO.	NAMEPLATE	REMARKS
1	MAIN BREAKER	
2	PANEL "N3C2P"	
3	PANEL "N3A3P"	
4	SPARE	
5	FEEDER BUS DUCT	
6	~~PANEL "N3APP"~~ SPARE (1)	
7	~~PANEL "N3BPP"~~ SPARE (1)	
8	~~PANEL "N3CPP"~~ SPARE (1)	
9	ATS #2 (SWBD "EDS3")	
10	MAIN SWITCHBOARD "NDS3"	

GENERAL NOTES:

A. THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THE EXISTING CIRCUIT BREAKER INFORMATION TO ASSURE THAT REQUIRED COMPONENTS MATCH EXISTING EQUIPMENT.

B. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

KEYED NOTES: ⬡

1. UPON COMPLETION OF RECIRCUITING PANEL TO EMERGENCY SWITCHBOARD, BREAKER SHALL REMAIN AS A SPARE.

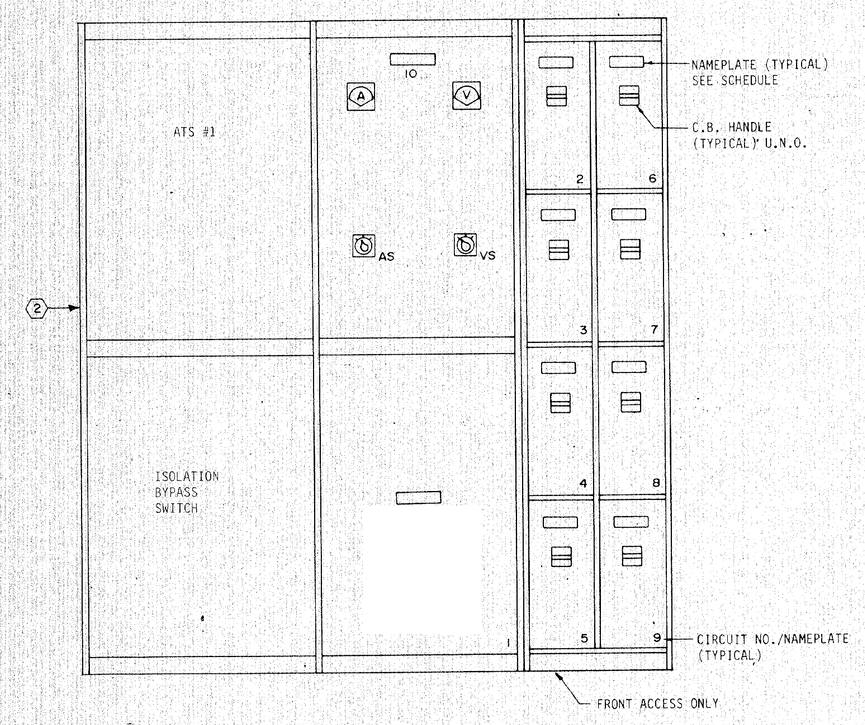
2. CHANGE TRIP SETTING IN EXISTING BREAKER TO 200A.

"EDS3" LOAD SUMMARY SCHEDULE @480/277V, 3-PHASE

LOAD	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)	DEMAND LOAD AMPS
EXISTING (PEAK)	64818	@100%	64818	78
MECHANICAL (ADDED)	243483	@100%	243483	293
TOTAL	308301 VA		308301 VA	371 AMPS

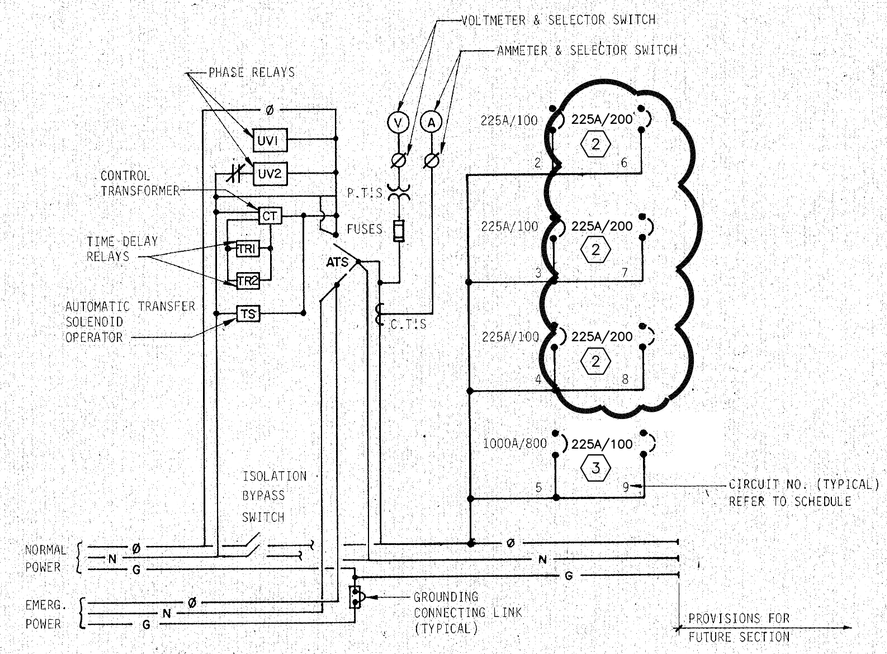
EMERGENCY DISTRIBUTION SWITCHBOARD "EDS3" SCHEDULE

CCT.NO.	NAMEPLATE	REMARKS
1	ATS #2	
2	PANEL "EDP3"	
3	PANEL "E3C2P"	
4	PANEL "E3A3P"	
5	PLUG-IN BUS DUCT	
6	PANEL "E3DPP" (EXISTING PANEL "N3APP")	
7	"E3EPP" (EXISTING PANEL "N3BPP")	
8	"E3FPP" (EXISTING PANEL "N3CPP")	
9	SPARE	
10	EMERGENCY DISTRIBUTION SWBD "EDS3"	



EMERGENCY DISTRIBUTION SWBD. "EDS3" ELEVATION

SCALE: 3/4"=1'-0"

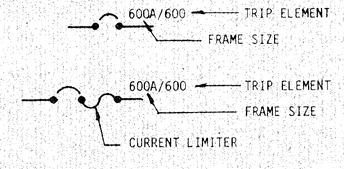


EMERGENCY DISTRIBUTION SWBD. "EDS3" SCHEMATIC

NO SCALE

NOTE:
SWITCHBOARDS ARE VERTICALLY BUSSED INDIVIDUALLY MOUNTED CIRCUIT BREAKER REAR ACCESSIBLE.

CIRCUIT BREAKER RATING INDICATE:



ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION

Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO-FILM INFORMATION

Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS

No.	Date	Remarks	By

DESIGN
Designed By: ASCG Date:
Drawn By: ASCG Date:
Checked By: ASCG Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

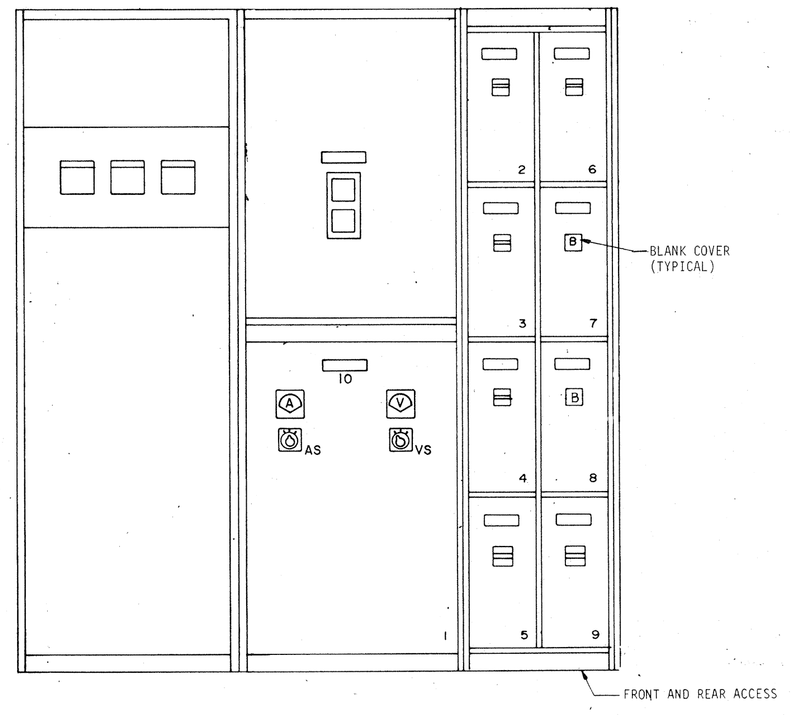
TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

SCHEMATICS – POWER CENTER NO.3

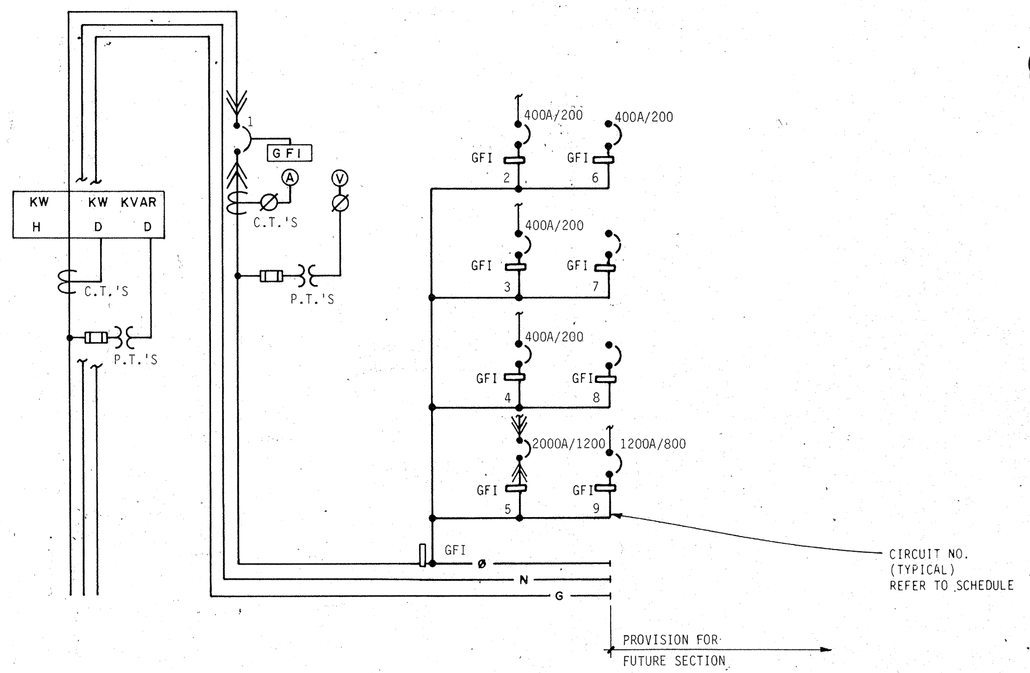
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E8.11	122	124

26-725911.11-08



MAIN SWITCHBOARD "NDS4" ELEVATION
SCALE: 3/4" = 1'-0"



MAIN SWITCHBOARD "NDS4" SCHEMATIC
NO SCALE

MAIN SWITCHBOARD "NDS4" SCHEDULE

CCT.NO.	NAMEPLATE	REMARKS
1	MAIN BREAKER	
2	~~PANEL "N4APP"~~ SPARE (1)	
3	~~PANEL "N4BPP"~~ SPARE (1)	
4	SPARE	
5	PLUG-IN BUS DUCT	
6	SPARE	
7	SPACE	
8	SPACE	
9	ATS #4 (SWBD "EDS5")	
10	MAIN SWITCHBOARD 'NDS5"	

GENERAL NOTES:

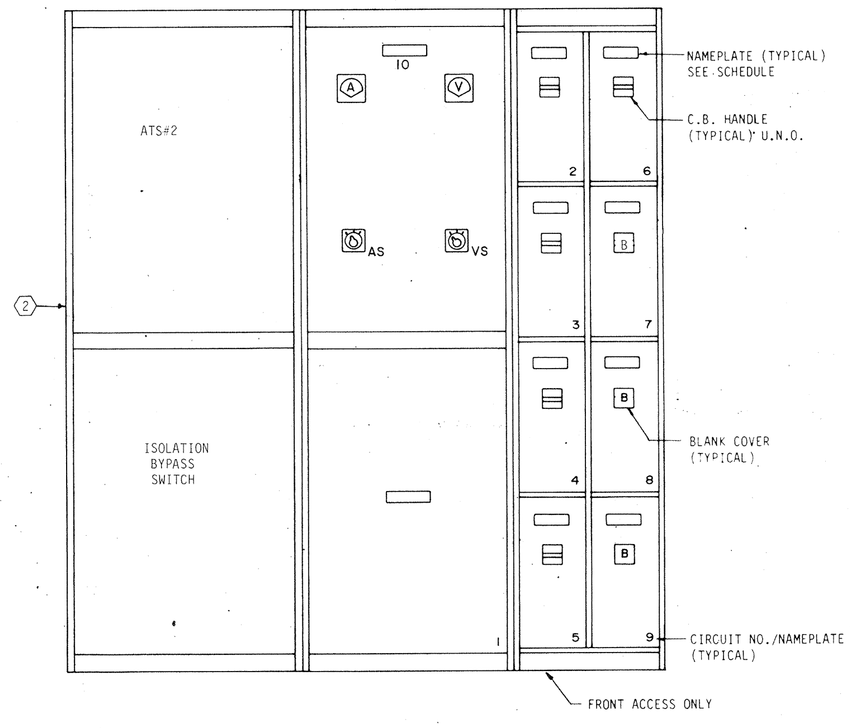
A. THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THE EXISTING CIRCUIT BREAKER INFORMATION TO ASSURE THAT REQUIRED COMPONENTS MATCH EXISTING EQUIPMENT.

B. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

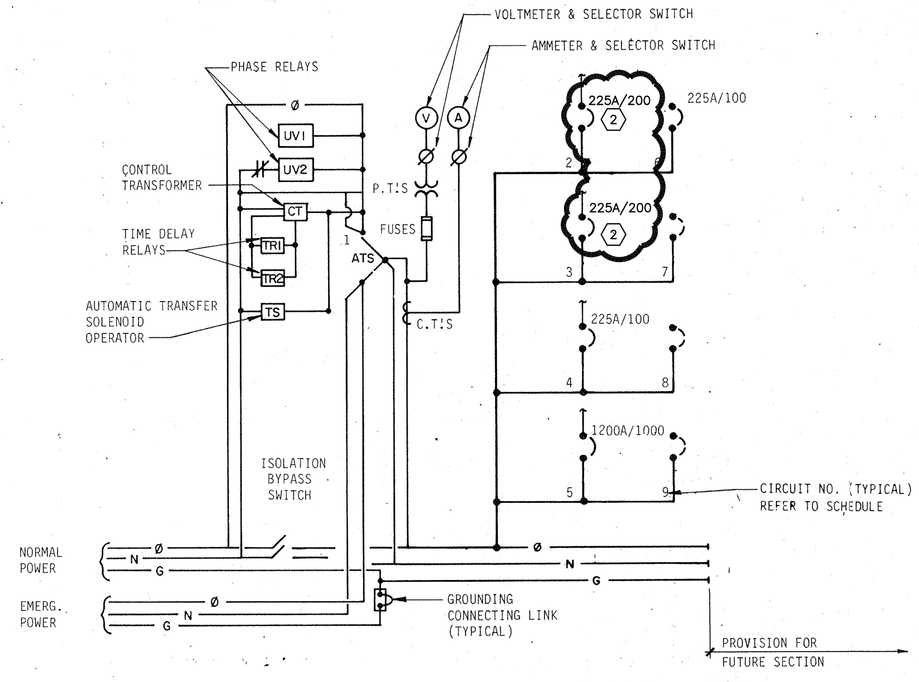
KEYED NOTES: ⬡

1. UPON COMPLETION OF RECIRCUITING PANEL TO EMERGENCY SWITCHBOARD, BREAKER SHALL REMAIN AS A SPARE.

2. CHANGE TRIP SETTING IN EXISTING BREAKER TO 200A.



EMERGENCY DISTRIBUTION SWBD. "EDS4" ELEVATION
SCALE: 3/4" = 1'-0"



EMERGENCY DISTRIBUTION SWBD. "EDS4" SCHEMATIC
NO SCALE

"EDS4" LOAD SUMMARY SCHEDULE
@480/277V, 3-PHASE

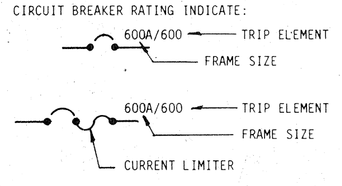
LOAD	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)	DEMAND LOAD AMPS
EXISTING (PEAK)	27423	@100%	27423	33
MECHANICAL (ADDED)	105537	@100%	105537	127
TOTAL	132960 VA		132960 VA	160 AMPS

EMERGENCY DISTRIBUTION SWITCHBOARD "EDS4" SCHEDULE

CCT.NO.	NAMEPLATE	REMARKS
1	ATS#3	
2	PANEL "E4CPP" (EXISTING PANEL "N4APP")	
3	PANEL "E4DPP" (EXISTING PANEL "N4BPP")	
4	SPARE	
5	PLUG-IN BUS DUCT	
6	SPARE	
7	SPACE	
8	SPACE	
9	SPACE	
10	EMERG. DISTRICUTION SWBD "EDS5"	

NOTE:
SWITCHBOARDS ARE VERTICALLY BUSSED INDIVIDUALLY MOUNTED CIRCUIT BREAKER REAR ACCESSIBLE.

CIRCUIT BREAKER RATING INDICATE:



AS BUILT INFORMATION
Contractor
Work Started By / Started On — Date
Acceptance By — Date
Verification By — Date
Drawings Corrected By — Date
MICRO-FILM INFORMATION
Recorded By — Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS

No.	Date	Remarks	By

DESIGN
Designed By: ASCG — Date:
Drawn By: ASCG — Date:
Checked By: ASCG — Date:

ASCG
INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

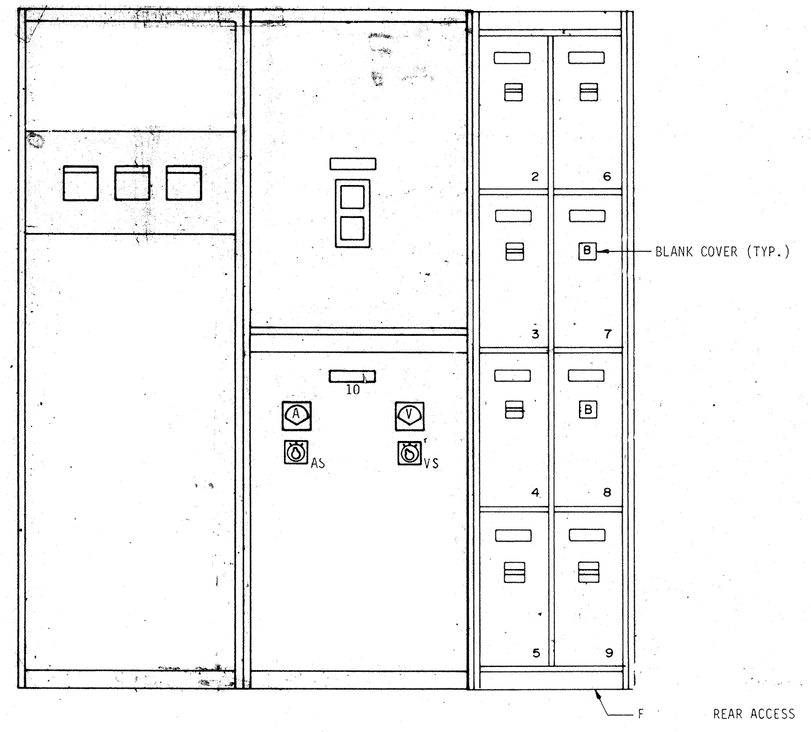
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
SCHEMATICS – POWER CENTER NO.4

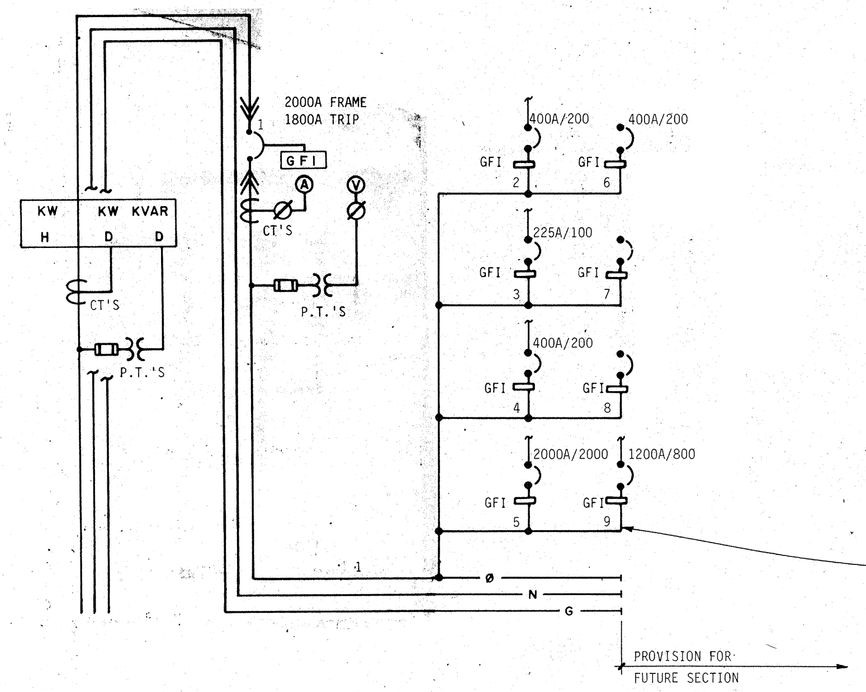
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E8.12	123	124

2 6 - 7 2 5 9 . 1 1 - 0 8



MAIN SWITCHBOARD "NDS5" ELEVATION
SCALE: 3/4" = 1'-0"



MAIN SWITCHBOARD "NDS5" SCHEMATIC
NO SCALE

MAIN SWITCHBOARD "NDS5" SCHEDULE

CCT.NO.	NAMEPLATE	REMARKS
1	MAIN BREAKER	
2	~~PANEL "N5APP"~~	1
3	~~PANEL "N5BPP"~~	1
4	~~PANEL "N5CPP"~~	1
5	PLUG-IN BUS DUCT	
6	SPARE	
7	SPACE	
8	SPACE	
9	ATS #4 (SWBD "EDS5")	
10	MAIN SWITCHBOARD "NDS5"	

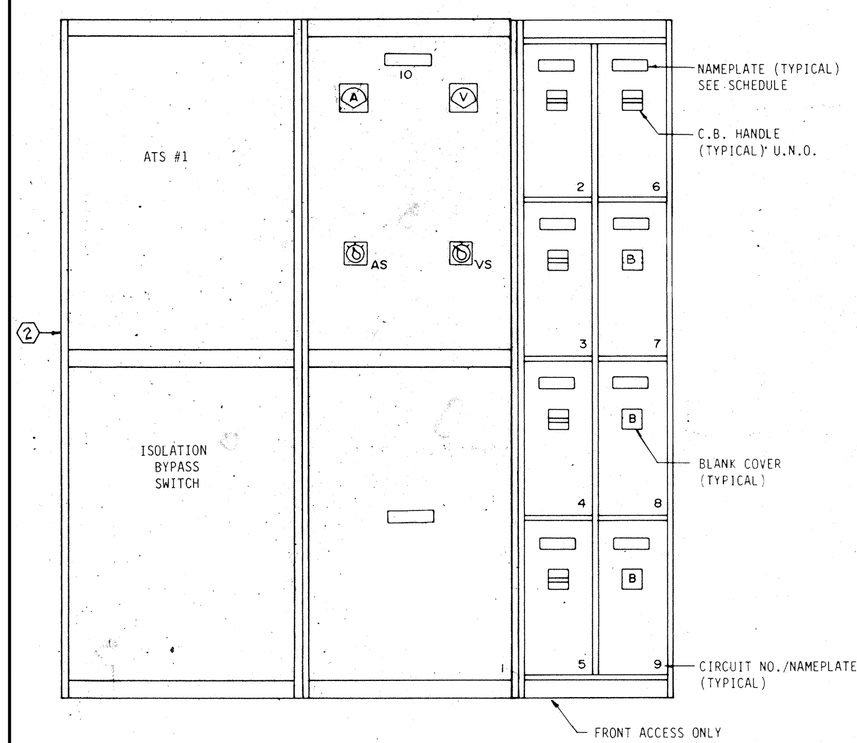
GENERAL NOTES:

A. THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THE EXISTING CIRCUIT BREAKER INFORMATION TO ASSURE THAT REQUIRED COMPONENTS MATCH EXISTING EQUIPMENT.

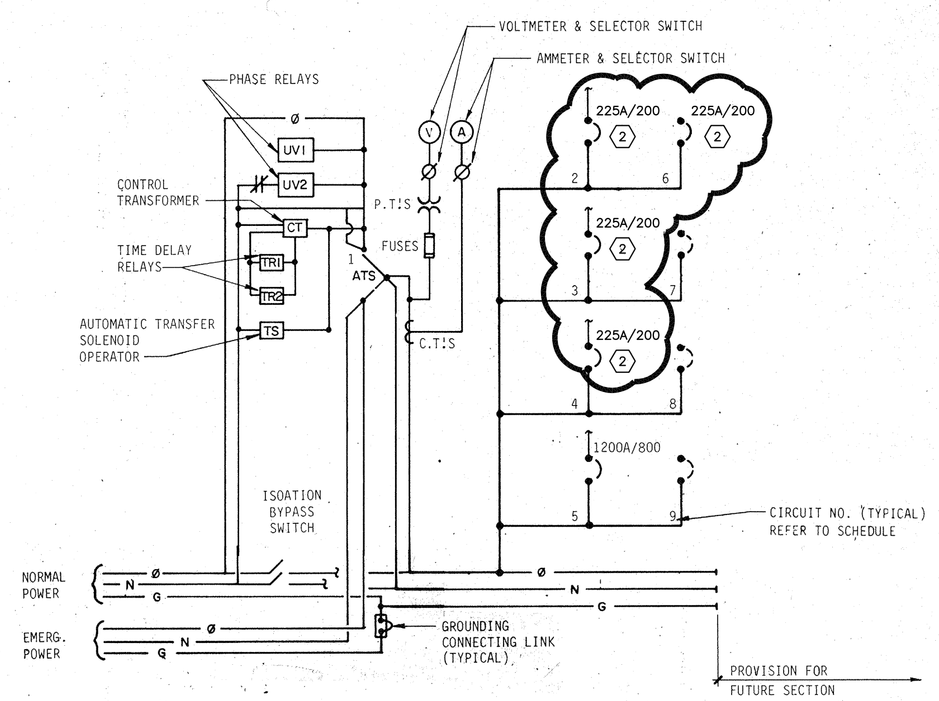
B. WORK SHOWN CLOUDED ON THESE DRAWINGS IS NEW. ALL WORK AND NOTATION SHOWN OUTSIDE OF CLOUDED AREAS IS EXISTING AND TO REMAIN, UNLESS INDICATED OTHERWISE.

KEYED NOTES:

1. UPON COMPLETION OF RECIRCUITING PANEL TO EMERGENCY SWITCHBOARD, BREAKER SHALL REMAIN AS A SPARE.
2. CHANGE TRIP SETTING IN EXISTING BREAKER TO 200A.



EMERGENCY DISTRIBUTION SWBD. "EDS5" ELEVATION
SCALE: 3/4" = 1'-0"



EMERGENCY DISTRIBUTION SWBD. "EDS5" SCHEMATIC
NO SCALE

"EDS5" LOAD SUMMARY SCHEDULE @480/277V, 3-PHASE

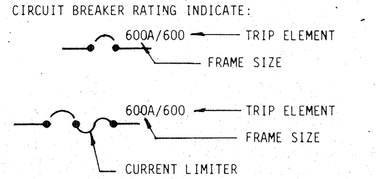
LOAD	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)	DEMAND LOAD AMPS
EXISTING (PEAK)	147087	@100%	147087	177
MECHANICAL (ADDED)	307470	@100%	307470	370
TOTAL	454557 VA		454557 VA	547 AMPS

EMERGENCY DISTRIBUTION SWITCHBOARD "EDS5" SCHEDULE

CCT.NO.	NAMEPLATE	REMARKS
1	ATS #4	
2	PANEL "E5DPP" (EXISTING PANEL "N5APP")	
3	PANEL "E5EPP" (EXISTING PANEL "N5BPP")	
4	PANEL "E5FPP" (EXISTING PANEL "N5CPP")	
5	PLUG-IN BUS DUCT	
6	PANEL "E5GPP" (EXISTING PANEL "N5DPP")	
7	SPACE	
8	SPACE	
9	SPACE	
10	EMERG. DISTRICUTION SWBD "EDS5"	

NOTE:
SWITCHBOARDS ARE VERTICALLY BUSSED INDIVIDUALLY MOUNTED CIRCUIT BREAKER REAR ACCESSIBLE.

CIRCUIT BREAKER RATING INDICATE:



AS BUILT INFORMATION

Contractor
Work Started By / Work Completed By — Date
Acceptance By — Date
Verification By — Date
Drawings Corrected By — Date

MICRO-FILM INFORMATION
Recorded By — Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
By | Date | No.

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER — STATE OF NEW MEXICO — NO. 16439 — REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

By | Date | No. | Remarks

REVISIONS
DESIGN
Designed By: ASCG — Date:
Drawn By: ASCG — Date:
Checked By: ASCG — Date:

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES**

SCHEMATICS – POWER CENTER NO.5

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E8.13	124	124

2 6 - 7 2 5 9 . 1 1 - 0 8

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	KEYED NOTE DESIGNATION.
	MECHANICAL EQUIPMENT DESIGNATION. SEE MECHANICAL EQUIPMENT SCHEDULE.
AFF	ABOVE FINISHED FLOOR.
EWC	ELECTRIC WATER COOLER.
EX	EXISTING.
GFCI	GROUND FAULT CIRCUIT INTERRUPTER.
IDC	INSULATION DISPLACEMENT CONNECTOR.
TYP	TYPICAL.
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF.
+48"	INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR OR ABOVE FINISHED GRADE TO CENTER OF DEVICE.
S	SINGLE POLE SWITCH, +46" AFF, U.N.O.
S_3	3-WAY SWITCH, +46" AFF, U.N.O.
S_4	4-WAY SWITCH, +46" AFF, U.N.O.
A	2' X 4' RECESSED FLUORESCENT LUMINAIRE. "A" DENOTES LUMINAIRE TYPE.
B	2' X 4' RECESSED FLUORESCENT LUMINAIRE WITH EMERGENCY BATTERY/INVERTER PACK. "B" DENOTES LUMINAIRE TYPE. 2-LAMPS OF 4-LAMP LUMINAIRE (OR BOTH LAMPS OF A 2-LAMP LUMINAIRE) TO BE CONNECTED AHEAD OF LOCAL SWITCHING. EMERGENCY BATTERY PACK CAPABLE OF 90 MINUTE OPERATION.
A	2' X 4' SURFACE FLUORESCENT LUMINAIRE. "A" DENOTES LUMINAIRE TYPE.
B	2' X 4' SURFACE FLUORESCENT LUMINAIRE WITH EMERGENCY BATTERY/INVERTER PACK. "B" DENOTES LUMINAIRE TYPE. 2-LAMPS OF 4-LAMP LUMINAIRE (OR BOTH LAMPS OF A 2-LAMP LUMINAIRE) TO BE CONNECTED AHEAD OF LOCAL SWITCHING. EMERGENCY BATTERY PACK CAPABLE OF 90 MINUTE OPERATION.
	CEILING MOUNTED LUMINAIRE. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	WALL MOUNTED FLUORESCENT LUMINAIRE. TYPE AS INDICATED IN FIXTURE SCHEDULE.
B	FLUORESCENT STRIP LUMINAIRE. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	WALL MOUNTED LUMINAIRE.
	CEILING MOUNTED EXIT SIGN WITH DIRECTIONAL ARROW(S) AS INDICATED ON PLANS.
	WALL MOUNTED EXIT SIGN WITH DIRECTIONAL ARROW (S) AS INDICATED ON PLANS.
J	JUNCTION BOX.
	DUPLEX GROUNDING STYLE RECEPTACLE, + 18" AFF, U.N.O.
	QUADRUPLEX GROUNDING STYLE RECEPTACLE, + 18" AFF, U.N.O.
	FLUSH FLOOR MOUNTED DUPLEX GROUNDING STYLE RECEPTACLE.
6-20R	POWER RECEPTACLE OUTLET. NUMBER INDICATES NEMA CONFIGURATION. + 18" AFF U.O.N.
	208/120V PANELBOARD, SURFACE MOUNTED.
	480/277V PANELBOARD, SURFACE MOUNTED.
	208/120V PANELBOARD, FLUSH MOUNTED.
T	TRANSFORMER.
	DISCONNECT SWITCH WITH NUMBER OF POLES AND RATING AS REQUIRED. NEMA 3R ENCLOSURE IF LOCATED OUTDOORS.
S_T	MANUAL MOTOR STARTER WITH THERMAL OVERLOADS, +48" AFF, U.N.O.

SYMBOL	DESCRIPTION
	TERMINAL BOARD WITH GROUND, LENGTH AS INDICATED.
	DUPLEX TELEPHONE OUTLET WITH RJ45 8-CONDUCTOR JACKS, IDC TERMINALS. EIA/TIA 568A WIRING. VOICE OUTLET UNKEYED. DATA OUTLET KEYED. SEQUENTIALLY NUMBER AND LABEL EACH OUTLET. +18" AFF U.O.N.
	SINGLE TELEPHONE OUTLET WITH RJ45 8-CONDUCTOR JACK, IDC TERMINALS. EIA/TIA 568A WIRING. VOICE OUTLET UNKEYED. SEQUENTIALLY NUMBER AND LABEL EACH OUTLET +18" AFF U.O.N.
	FUTURE TELEPHONE OUTLET.
FACP	FIRE ALARM CONTROL PANEL.
F PD	FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR.
S	FIRE ALARM SPEAKER, CEILING MOUNTED. (ON FIRE ALARM DWG)
F	FIRE ALARM STROBE, WALL MOUNTED AT 80".
F FS	FIRE ALARM WATER FLOW SWITCH.
F TS	FIRE ALARM TAMPER SWITCH.
F M	FIRE ALARM MANUAL PULL STATION.
M	FIRE ALARM SYSTEM MONITOR MODULE.
C	FIRE ALARM SYSTEM CONTROL MODULE.
X	FIRE ALARM SYSTEM FAULT ISOLATOR MODULE.
B2	NURSE CALL STATION. B1=SINGLE BEDSIDE, B2=DUAL BEDSIDE, S=STAFF, PK=PSYCHIATRIC KEY ENTRANCE, PB=EMERGENCY PUSHBUTTON, PS=SPEAKER-MICROPHONE CEILING MOUNTED.
	NURSE CALL CORRIDOR LAMP.
S_C	NURSE CALL PUSHBUTTON BATH/EMERGENCY STATION. +18" AFF U.O.N.
C	CCTV CAMERA
C	FUTURE CCTV CAMERA PROVIDE OUTLET BOXES AND CONDUIT ROUTED TO SECURITY EQUIPMENT ROOM.
EL	ELECTRIC/MECHANICAL LOCK
ML	MAGNET LOCK
DS	DOOR POSITION SWITCH
IC	INTERCOM/CALL STATION
	INTERCOM CALL BUTTON
S	SECURITY INTERCOM PAGING SPEAKER (ON SECURITY DWG)
E33	SYSTEM IDENTIFICATION NUMBER. SEE SECURITY SCHEDULE IN SPECIFICATION 16724 AND DOOR SCHEDULE ON DRAWING A8.1.
P	CONCEALED RACEWAY IN WALLS, CEILING OR UNDER SLAB WITH NEUTRAL, HOT, SWITCHED AND GROUND CONDUCTORS RESPECTIVELY.
A-3,5	HOMERUN TO PANELBOARD WITH CIRCUIT NUMBERS AS INDICATED.
	CONCEALED CONDUIT IN FLOOR, UNDERFLOOR OR UNDERGROUND.
G	GROUND WIRE & CONDUIT.
T	TELEPHONE CONDUIT.
F	FIRE ALARM CONDUIT.
	CONDUIT TURNED UP.
	CONDUIT TURNED DOWN.
	MOTOR CONTROLLER. NUMBER OF POLES AND RATING AS REQUIRED. NEMA 3R ENCLOSURE IF LOCATED OUTDOORS.
M 5	MOTOR CONNECTION. NUMBER INDICATES HORSEPOWER, F=FRACTIONAL HP. ALL MOTORS SHALL BE PROVIDED WITH DISCONNECTING MEANS AND MOTOR OVERLOAD PROTECTION.

NOTE: ALL DEVICE LOCATIONS & MOUNTING HEIGHTS SHALL CONFORM TO THE AMERICAN DISABILITIES ACT (ADA) REQUIREMENTS (TYP.)

NOTE: NOT ALL SYMBOLS INDICATED ON THIS LEGEND ARE USED ON THE DRAWINGS.

ABQ INTERNATIONAL SUNPORT

GENERAL NOTES:

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

B. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

C. VERIFY EXACT CONNECTION REQUIREMENTS AND/OR RECEPTACLE (NEMA) CONFIGURATIONS WITH EQUIPMENT MANUFACTURER. COORDINATE EXACT MOUNTING HEIGHTS AND LOCATION WITH KITCHEN EQUIPMENT CONSULTANT PRIOR TO ROUGH-IN INSTALLATION.

AS BUILT INFORMATION

Contractor
Work Stated By — Date
Inspected By — Date
Acceptance By — Date
Verification By — Date
Drawings Corrected By — Date
MICRO-FILM INFORMATION
Recorded By — Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER STATE OF NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

No.	Date	Remarks	By

REVISIONS

DESIGN — Date:
Designed By: BPLW — Date:
Drawn By: BPLW — Date:
Checked By: BPLW — Date:

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 - FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

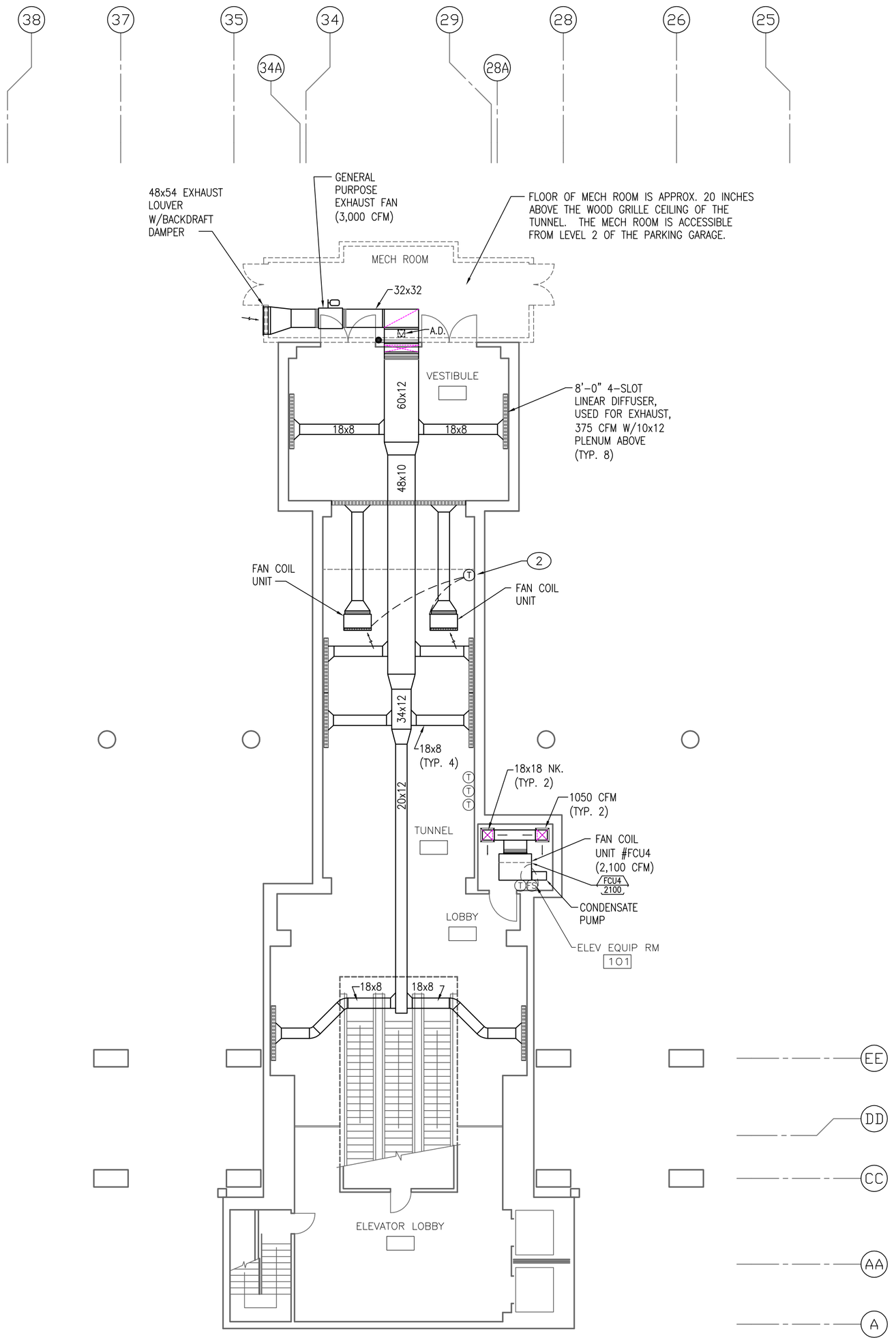
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL SYMBOL LEGEND

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	EG0.1	55	124

2 6 - 7 2 5 9 . 1 1 - 0 8



1 LEVEL 1 MECHANICAL PLAN–AREA 5
3/32" = 1'–0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

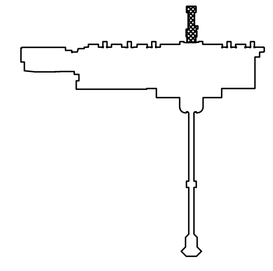
D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.



KEY PLAN–LEVEL 1 AREA 5
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION

Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO–FILM INFORMATION

Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR–LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Date: 06/15/07	Designed By: PL
		Date: 06/15/07	Drawn By: CGA
		Date: 06/15/07	Checked By: PL

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

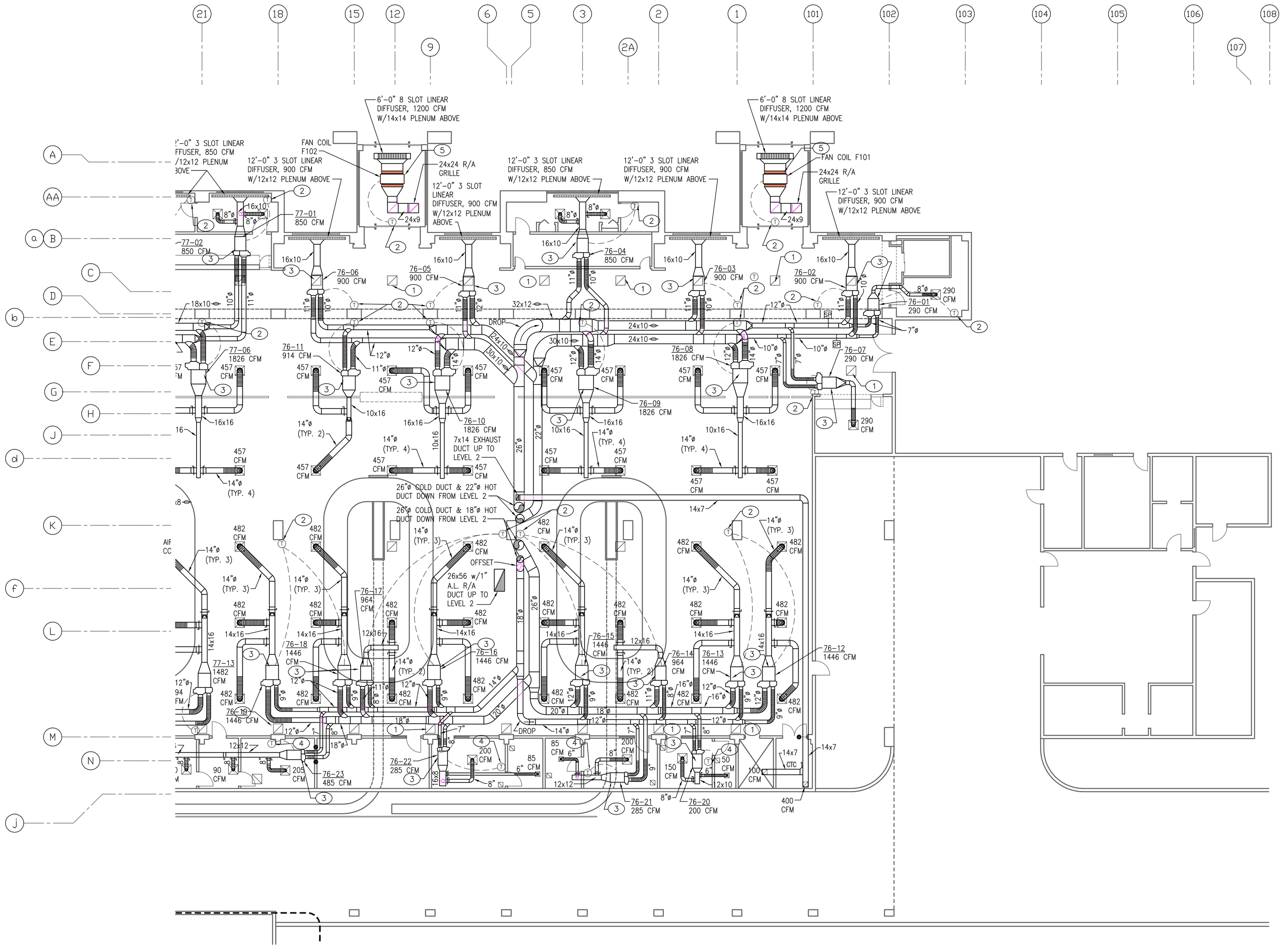
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – FIRST LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.1	4	124

2 6 – 7 2 5 9 . 1 1 – 0 8



1 LEVEL 1 MECHANICAL PLAN–AREA 4
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

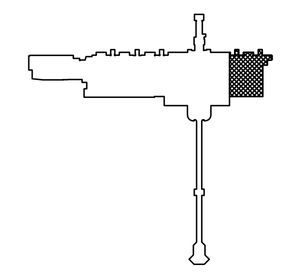
C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.
2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.
3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.
4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.
5 REPLACE EXISTING FAN COIL PNEUMATIC VALVES (HW/CHW) AND CONTROLS WITH NEW DDC CONTROLS. REFER TO CONTROLS DRAWINGS.



KEY PLAN–LEVEL 1 AREA 4
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes By / Date
No.

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI · NEW MEXICO · 14255 · REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

No.	Date	By	Remarks
			REVISIONS
			DESIGN
		PL	Designed By: Date: 06/15/07
		CGA	Drawn By: Date: 06/15/07
		PL	Checked By: Date: 06/15/07

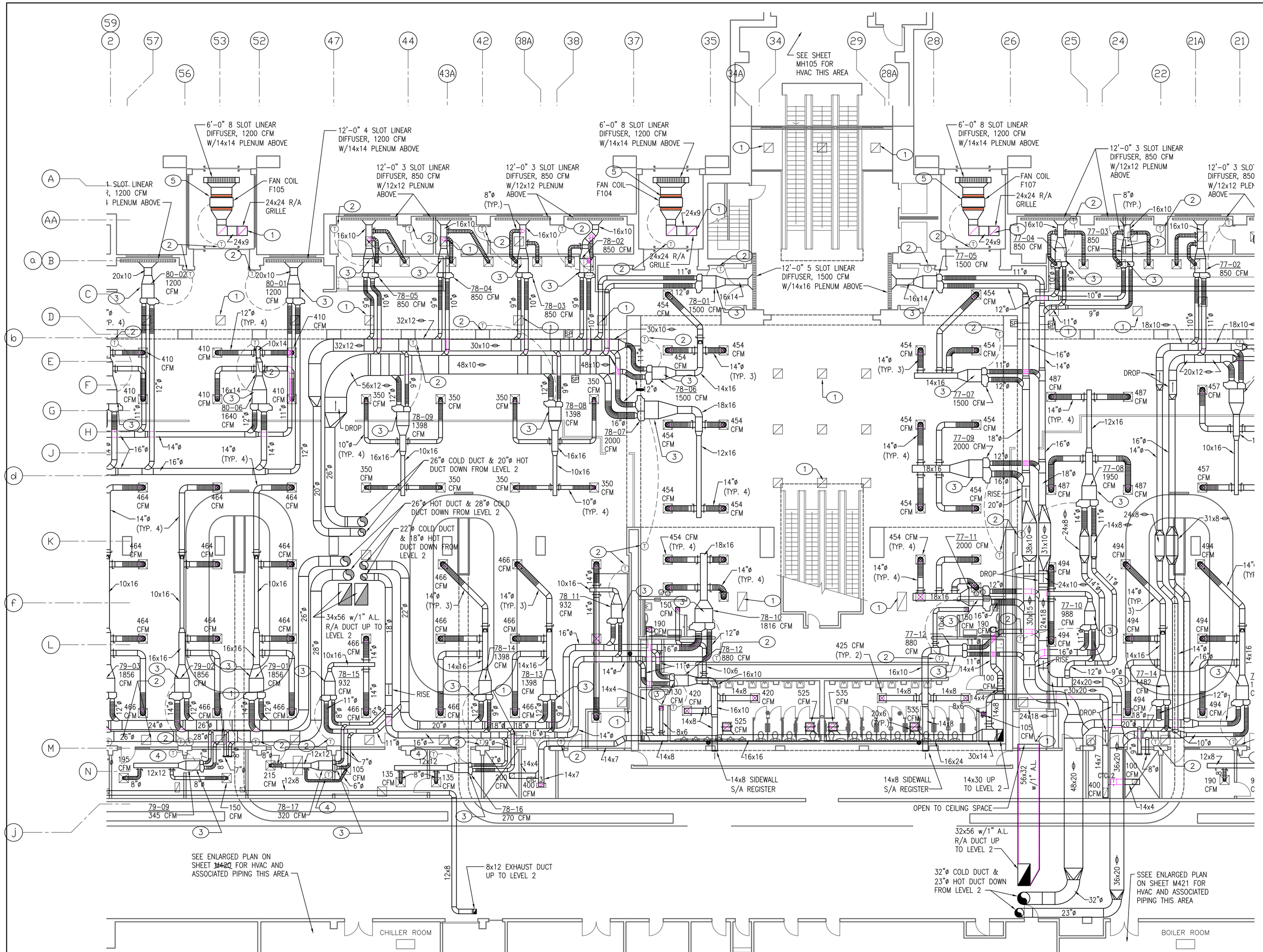
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – FIRST LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.2	5	124

2 6 – 7 2 5 9 . 1 1 – 0 8



1 LEVEL 1 MECHANICAL PLAN–AREA 3
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

5 REPLACE EXISTING FAN COIL PNEUMATIC VALVES (HW/CHW) AND CONTROLS WITH NEW DDC CONTROLS. REFER TO CONTROLS DRAWINGS.

KEY PLAN–LEVEL 1 AREA 3
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Test Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes By / Date
No.

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR–LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

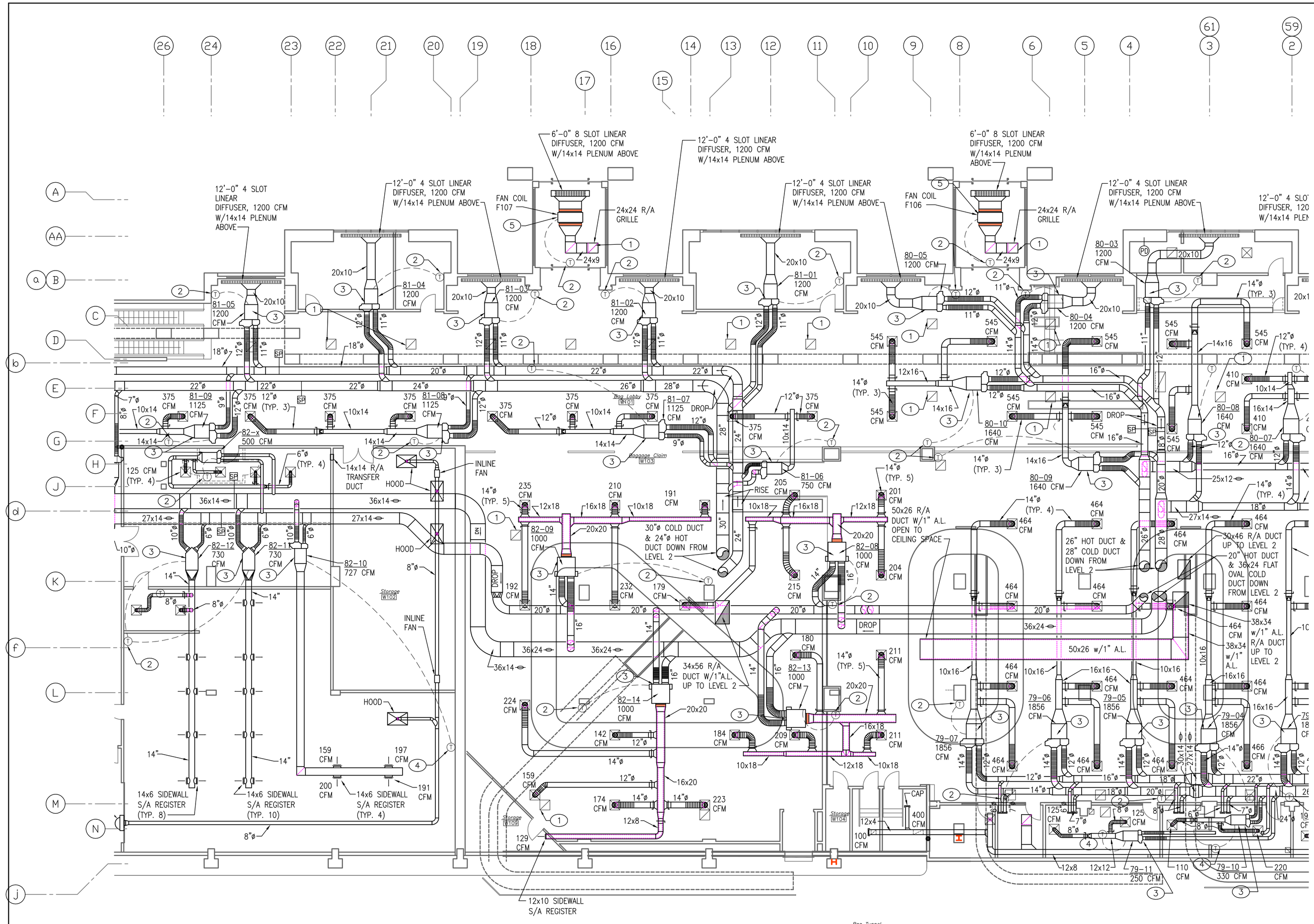
No.	Date	Remarks	By
		REVISIONS	
		DESIGN	
		Designed By: PL	Date: 06/15/07
		Drawn By: CGA	Date: 06/15/07
		Checked By: PL	Date: 06/15/07

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – FIRST LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
26–7259.11–08 / 725911	M–16	M3.3	6	124



1 LEVEL 1 MECHANICAL PLAN–AREA 2
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

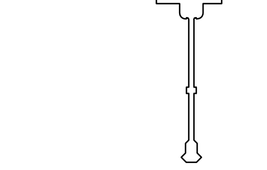
1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

5 REPLACE EXISTING FAN COIL PNEUMATIC VALVES (HW/CHW) AND CONTROLS WITH NEW DDC CONTROLS. REFER TO CONTROLS DRAWINGS.



KEY PLAN–LEVEL 1 AREA 2
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI
NEW MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	By	Remarks
DESIGN			Designed By: PL Date: 06/15/07
			Drawn By: CGA Date: 06/15/07
			Checked By: PL Date: 06/15/07

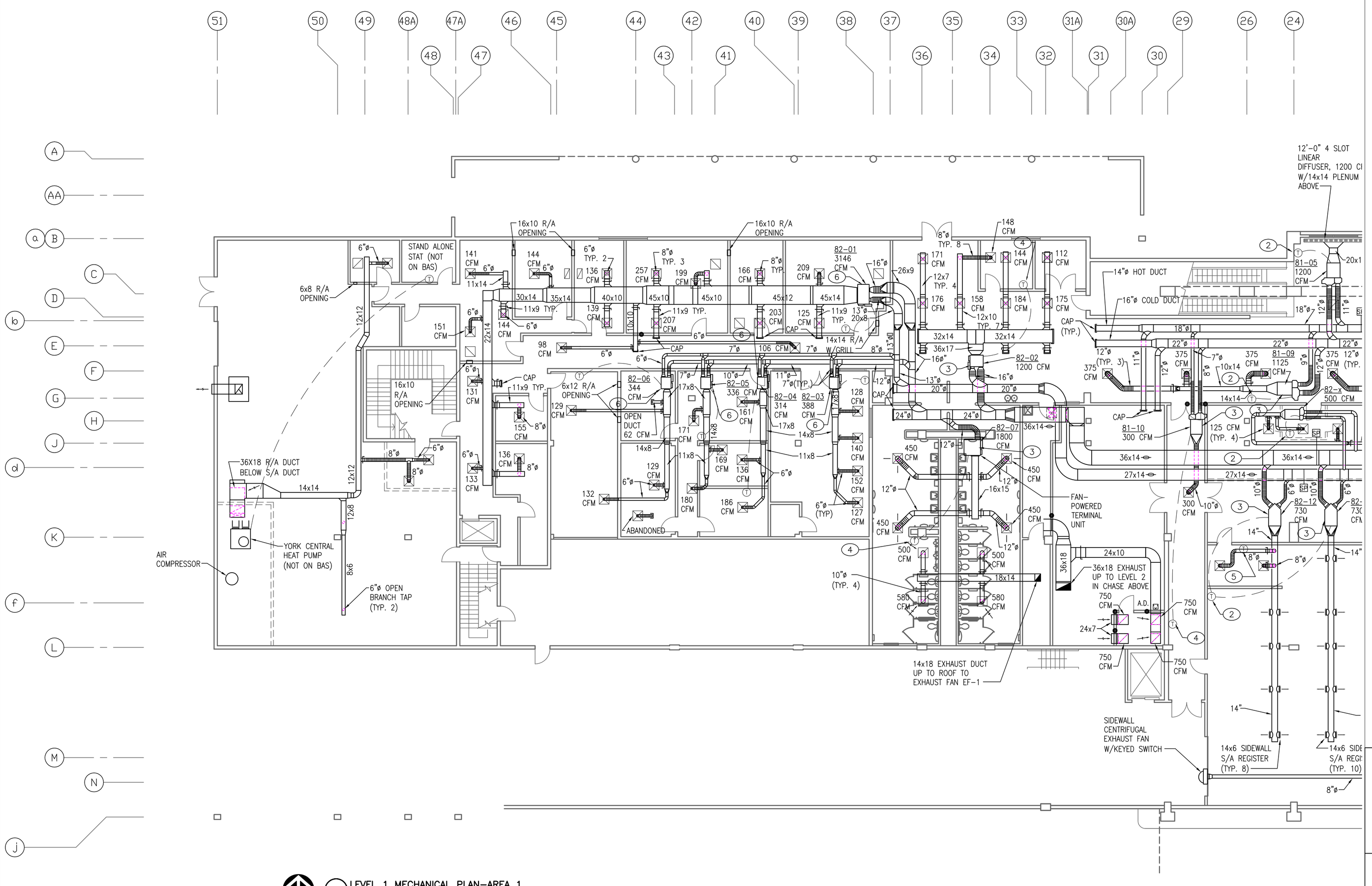
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – FIRST LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.4	7	124

26–725911.11–08



1 LEVEL 1 MECHANICAL PLAN–AREA 1
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

5 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT, ABANDON IN PLACE IF INACCESSIBLE.

6 EXISTING ELECTRONIC MIXING BOX CONTROLS AND ASSOCIATED THERMOSTAT TO BE REPLACED AS REQUIRED PER SPECIFICATIONS.

KEY PLAN–LEVEL 1 AREA 1
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR–LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Designed By: PL	Date: 06/15/07
		Drawn By: CGA	Date: 06/15/07
		Checked By: PL	Date: 06/15/07

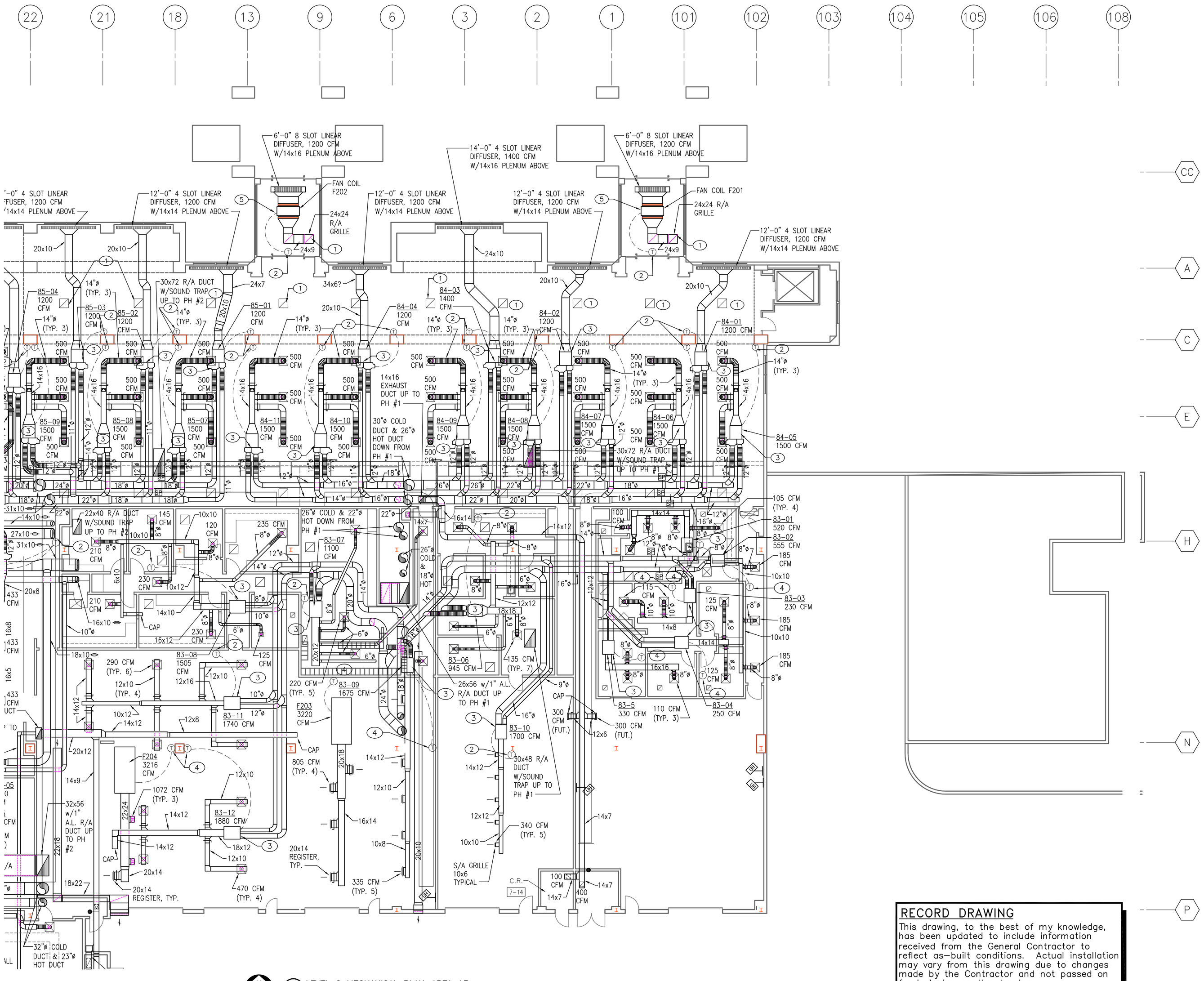
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL FLOOR PLAN – FIRST LEVEL

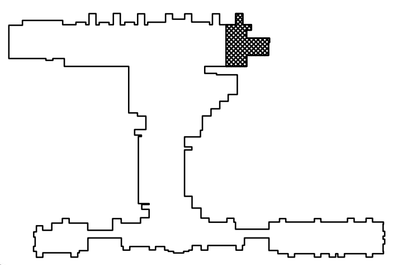
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.5	8	124

26–7259.11–08



1 LEVEL 2 MECHANICAL PLAN–AREA 13
3/32" = 1'-0"



KEY PLAN–LEVEL 2 AREA 13
SCALE: NONE

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

5 REPLACE EXISTING FAN COIL PNEUMATIC VALVES (HW/CHW) AND CONTROLS WITH NEW DDC CONTROLS. REFER TO CONTROLS DRAWINGS.

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR–LENTINI
N.M. MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

No.	Date	Remarks	By
		REVISIONS	
		DESIGN	
			Designed By: PL — Date: 06/15/07
			Drawn By: CGA — Date: 06/15/07
			Checked By: PL — Date: 06/15/07

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

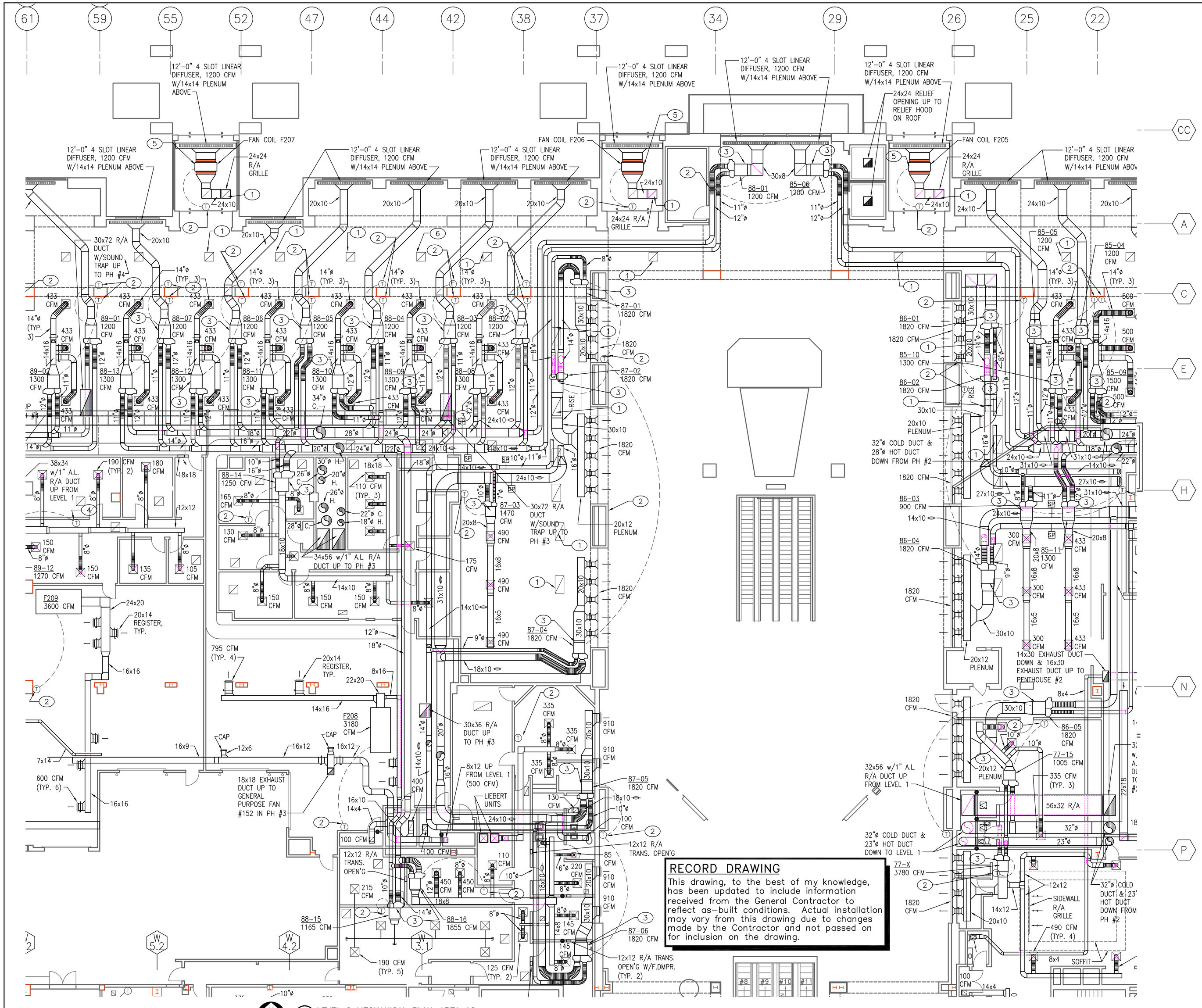
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.7	10	124

2 6 – 7 2 5 9 . 1 1 – 0 8



1 LEVEL 2 MECHANICAL PLAN–AREA 12
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

5 REPLACE EXISTING FAN COIL PNEUMATIC VALVES (HW/CHW) AND CONTROLS WITH NEW DDC CONTROLS. REFER TO CONTROLS DRAWINGS.

6 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT, ABANDON IN PLACE IF INACCESSIBLE.

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

KEY PLAN–LEVEL 2 AREA 12
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION

Contractor	
Work Started By	Date
Inspector's Acceptance By	Date
Verification By Drawings Corrected By	Date

MICRO–FILM INFORMATION

Recorded By	Date
No.	

BENCH MARKS

SURVEY INFORMATION

No.	Field Notes By	Date

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR–LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
		DESIGN	Designed By: PL Date: 06/15/07
			Drawn By: CGA Date: 06/15/07
			Checked By: PL Date: 06/15/07

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

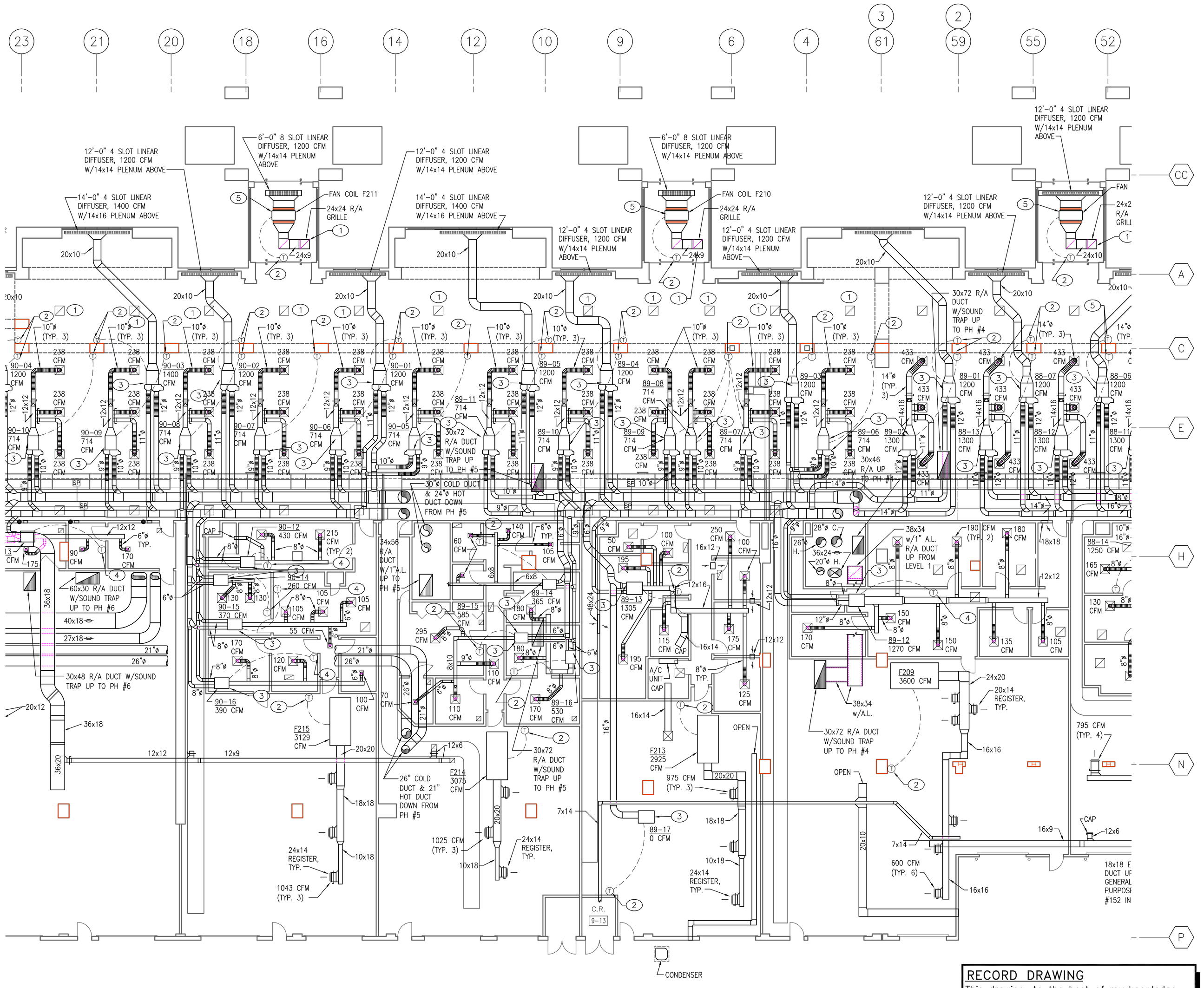
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.8	10	124

26–7259.11–08



1 LEVEL 2 MECHANICAL PLAN–AREA 11
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

5 REPLACE EXISTING FAN COIL PNEUMATIC VALVES (HW/CHW) AND CONTROLS WITH NEW DDC CONTROLS. REFER TO CONTROLS DRAWINGS.

KEY PLAN–LEVEL 2 AREA 11
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date

MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS
No. / Date / By

SURVEY INFORMATION
Field Notes
No. / Date / By

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI
NEW MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	By	Remarks
DESIGN	Date: 06/15/07	Designed By: PL	
	Date: 06/15/07	Drawn By: CGA	
	Date: 06/15/07	Checked By: PL	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

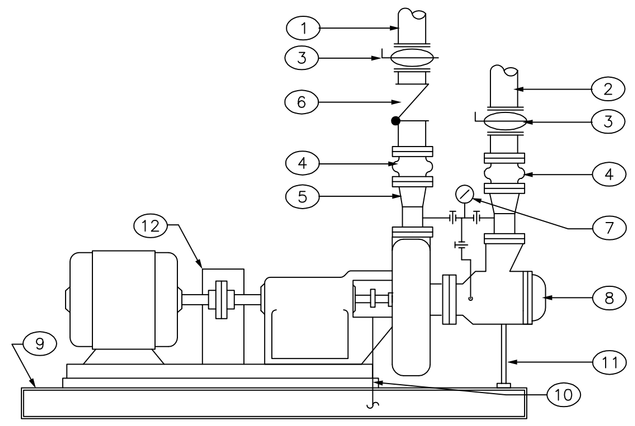
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.9	11	124

2 6 – 7 2 5 9 . 1 1 – 0 8

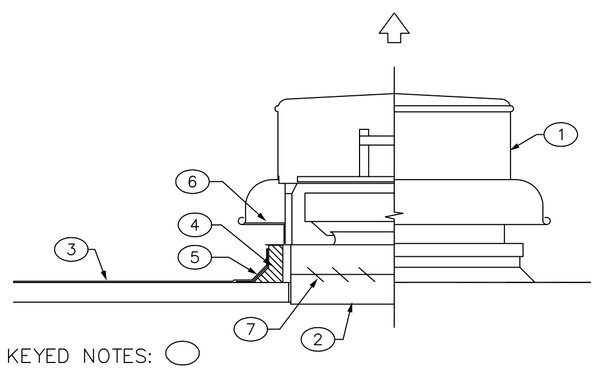


KEYED NOTES:

1 DISCHARGE
2 SUCTION
3 VALVES
4 FLEXIBLE CONNECTOR
5 INCREASER
6 CHECK VALVE
7 PRESSURE GAGE WITH GAGE COCK
8 SUCTION DIFFUSER
9 4" CONCRETE HOUSEKEEPING PAD
10 1/2" DRAIN LINE, RUN TO NEAREST FLOOR DRAIN
11 ADJUSTABLE SUPPORT LEG
12 FLEX COUPLING W/ GUARD
13 MIN. 6" STRAIGHT PIPE BEFORE REDUCER

4 HOT WATER PUMPS PUMP AND BASE DETAIL

SCALE: NONE (w/HOUSEKEEPING PAD)

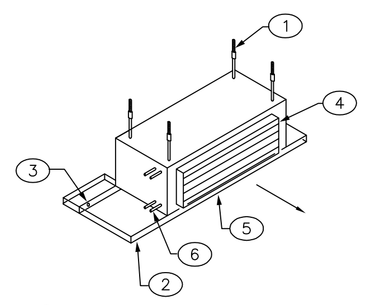


KEYED NOTES:

1 POWER ROOF EXHAUSTER, INSTALL LEVEL
2 DUCT THRU ROOF PENETRATION, SEE PLANS FOR SIZE, DUCT CONTINUATION, TERMINATION OR GRILLE REQUIREMENT
3 ROOF DECK
4 FACTORY FABRICATED CURB, INSTALL AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS. SECURE FAN TO CURB AND SEAL WEATHERTIGHT. CURB PITCH SHALL MATCH ROOF PITCH
5 FLASH AND COUNTER FLASH
6 BIRDSCREEN
7 BACKDRAFT DAMPER.

5 EXHAUST FAN DETAIL

SCALE: NONE



KEYED NOTES:

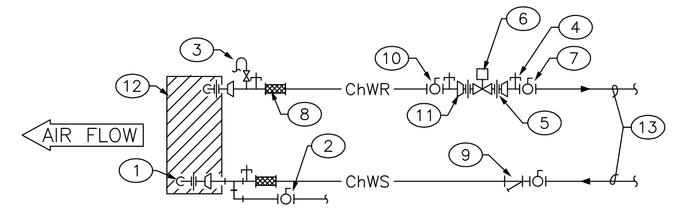
1 HANGER ROD WITH VIBRATION ISOLATOR, TYPICAL OF 4 AND SIZED AS REQUIRED.
2 DRAIN PAN, INSULATED DOUBLE THICKNESS.
3 DRAIN LINE CONNECTION, SEE DRAWING M4.10 CHILLER ROOM – NEW WORK PLAN FOR DRAIN LINE SIZE AND CONTINUATION.
4 DOUBLE DEFLECTION SUPPLY REGISTER.
5 RETURN AIR OPENING AT BOTTOM OF UNIT.
6 INSTALL 2–WAY CONTROL VALVE, SHUT–OFF VALVES AND FITTINGS PER DETAIL 1/M5.1. SEE DRAWING M4.10 CHILLER ROOM – NEW WORK PLAN FOR ChWS/R SIZES AND CONTINUATION.

6 FAN COIL UNIT INSTALLATION

SCALE: NONE

MECHANICAL LEGEND

——— ChWS ———	CHILLED WATER SUPPLY
— — ChWR — — —	CHILLED WATER RETURN
——— HWS ———	HEATING WATER SUPPLY
— — HWR — — —	HEATING WATER RETURN
——— CWS ———	CONDENSER WATER SUPPLY
— — CWR — — —	CONDENSER WATER RETURN
Ⓣ	THERMOSTAT/SENSOR

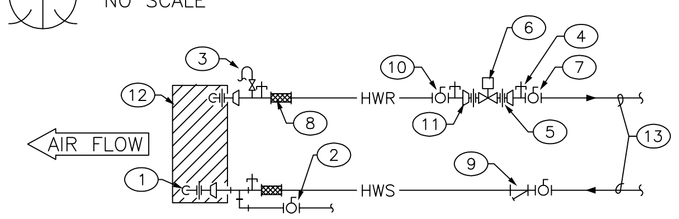


KEYED NOTES:

1 CHILLED WATER SUPPLY SHALL BE CONNECTED TO AIR LEAVING SIDE OF COIL.
2 1/2" DRAIN LINE WITH BALL VALVE (ONE FOR EACH COIL).
3 MANUAL AIR VENTS AT ALL SYSTEM HIGH POINTS, EXTEND TO COIL DRAIN PAN (ONE FOR EACH COIL).
4 TYPICAL UNIVERSAL TEMPERATURE AND PRESSURE TEST FITTING.
5 TYPICAL UNION.
6 2–WAY CONTROL VALVE, SEE CONTROLS DRAWINGS.
7 TYPICAL MANUAL VALVE.
8 TYPICAL FLEXIBLE CONNECTION.
9 STRAINER.
10 COIL BALANCING VALVE (ONE FOR EACH COIL).
11 TYPICAL REDUCER AT COILS AND CONTROL VALVES, ALL OTHER PIPING TO BE FULL SIZE AS INDICATED.
12 CHILLED WATER COIL.
13 SEE DRAWINGS FOR SIZE.

1 ChW COIL 2–WAY CONTROL VALVE

NO SCALE

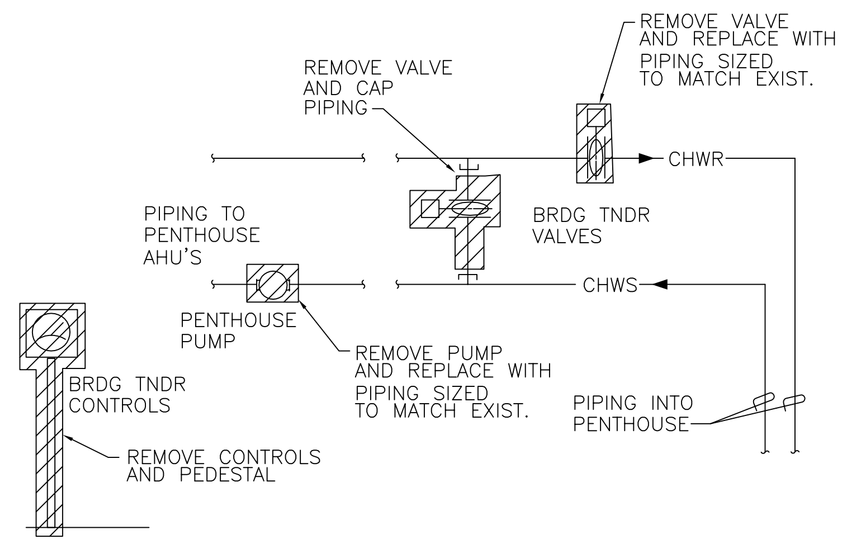


KEYED NOTES:

1 HEATING WATER SUPPLY SHALL BE CONNECTED TO AIR LEAVING SIDE OF COIL.
2 1/2" DRAIN LINE WITH BALL VALVE (ONE FOR EACH COIL).
3 MANUAL AIR VENTS AT ALL SYSTEM HIGH POINTS.
4 TYPICAL UNIVERSAL TEMPERATURE AND PRESSURE TEST FITTING.
5 TYPICAL UNION.
6 2–WAY CONTROL VALVE, SEE CONTROLS DRAWINGS.
7 TYPICAL MANUAL VALVE.
8 TYPICAL FLEXIBLE CONNECTION.
9 STRAINER.
10 COIL BALANCING VALVE (ONE FOR EACH COIL).
11 TYPICAL REDUCER AT COILS AND CONTROL VALVES, ALL OTHER PIPING TO BE FULL SIZE AS INDICATED.
12 HEATING WATER COIL.
13 SEE DRAWINGS FOR SIZE.

2 HW COIL 2–WAY CONTROL VALVE

NO SCALE



3 FLOW CONTROL ASSEMBLY DETAIL

SCALE: NONE

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Designed By: PL	
		Drawn By: CGA	Date: 06/15/07
		Checked By: PL	Date: 06/15/07
			Date: 06/15/07

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 • FAX 505.242.4845

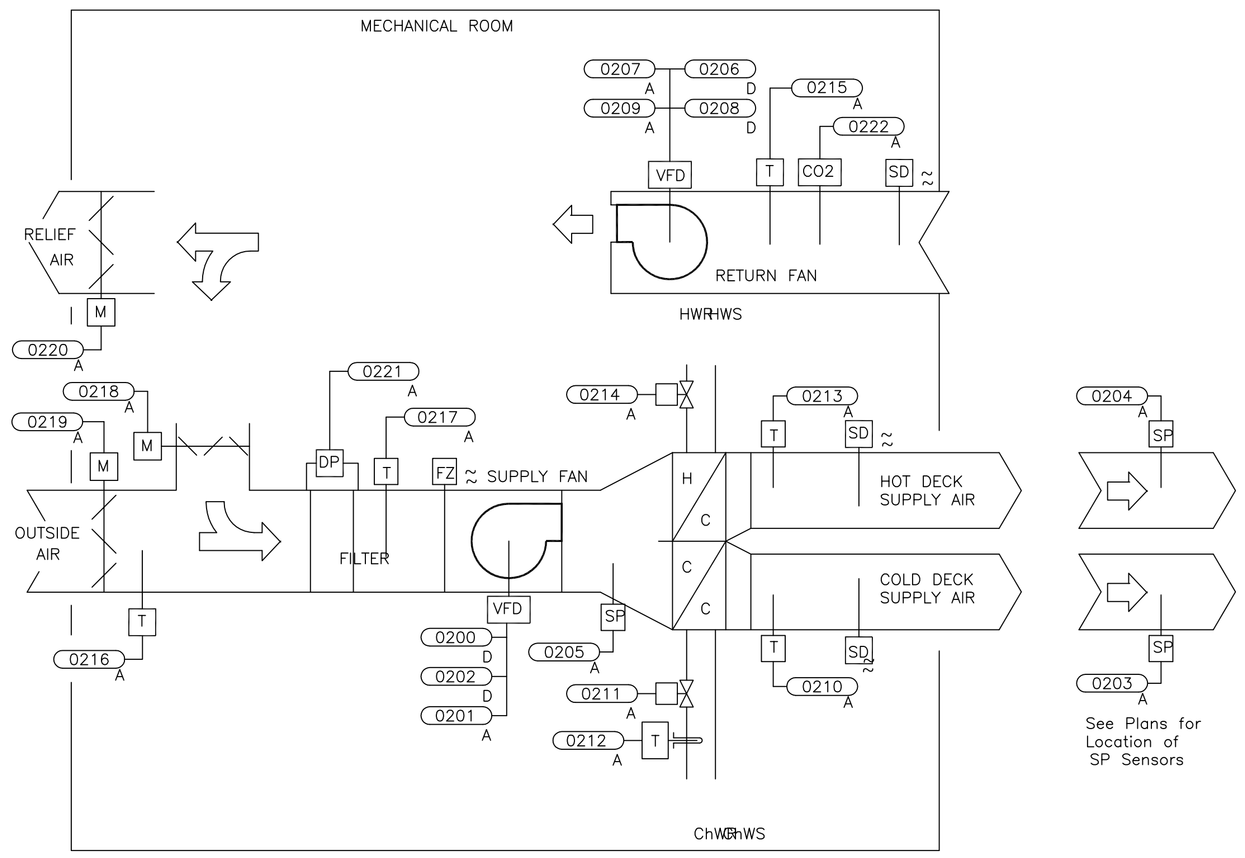
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT MECHANICAL AND ELECTRICAL UPGRADES
DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

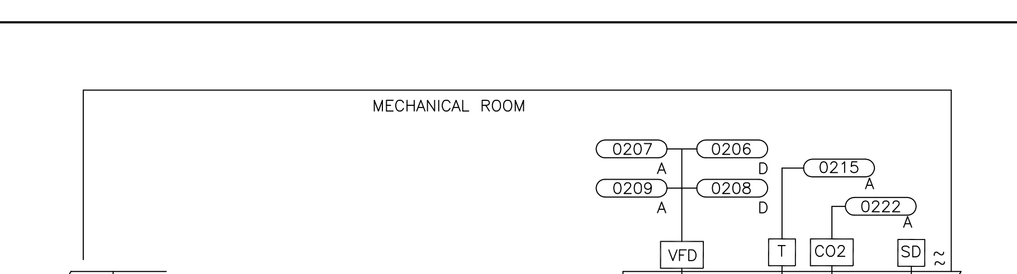
2 6 – 7 2 5 9 . 1 1 – 0 8

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M5.1	48	124

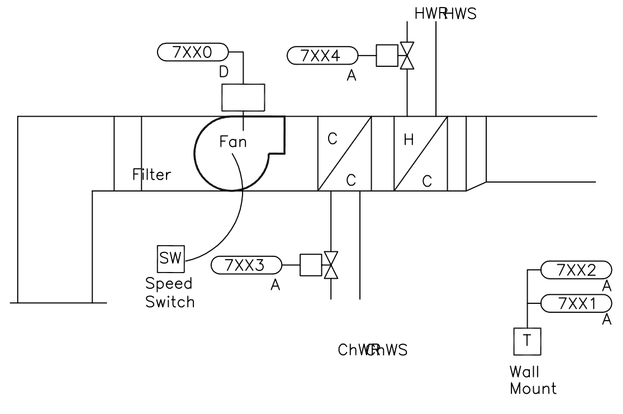


AIR HANDLING UNIT CONTROL

AHU–1 POINTS SHOWN, SEE POINTS LIST FOR ALL 44 AHU'S

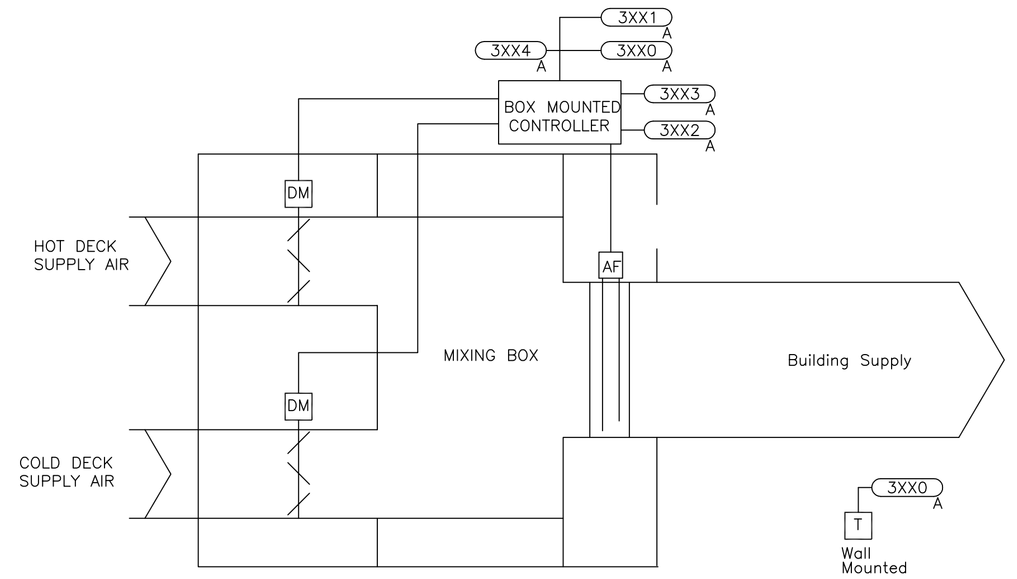


REFRIGERANT PURGE SYSTEM



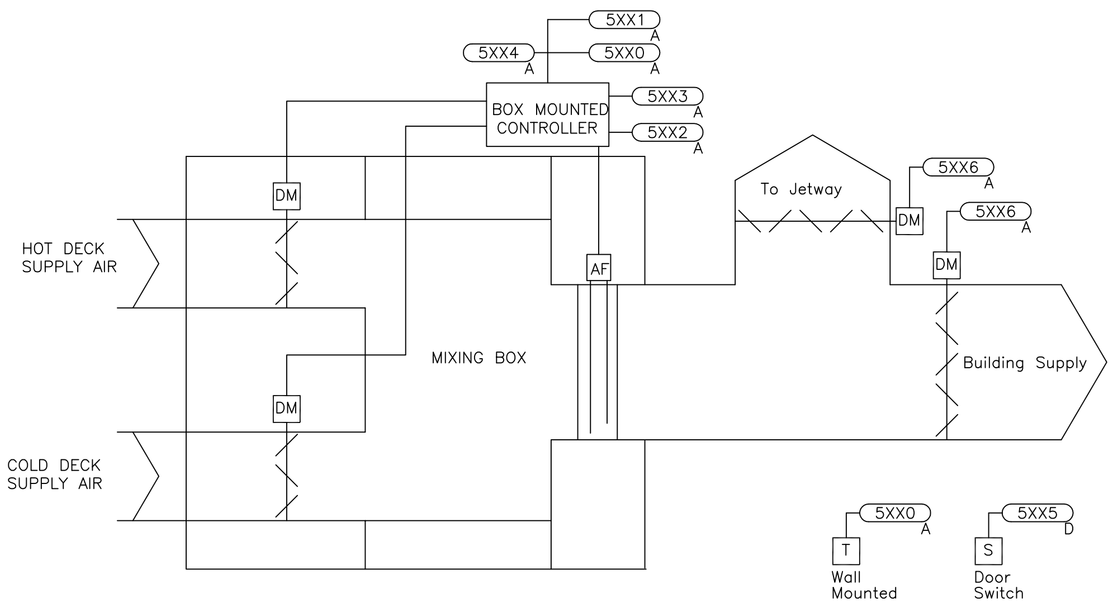
FAN COIL UNIT CONTROLS

SEE POINTS LIST POINT NUMBER ASSIGNMENTS



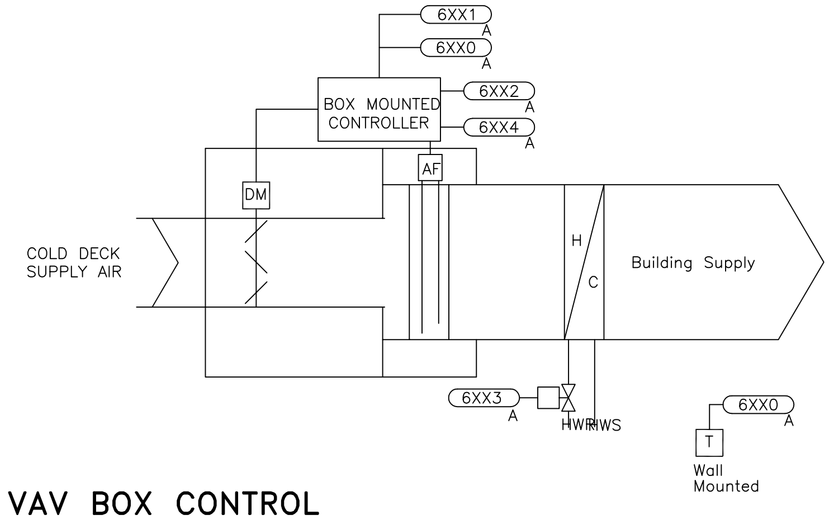
DUAL DUCT MIXING BOX CONTROL

SEE POINTS LIST POINT NUMBER ASSIGNMENTS



DUAL DUCT MIXING BOX CONTROL @ GATES

SEE POINTS LIST POINT NUMBER ASSIGNMENTS



VAV BOX CONTROL

SEE POINTS LIST POINT NUMBER ASSIGNMNTS

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

No.	Date	Remarks	By
		REVISIONS	
		DESIGN	
		Designed By: PL	Date: 06/15/07
		Drawn By: CGA	Date: 06/15/07
		Checked By: PL	Date: 06/15/07

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

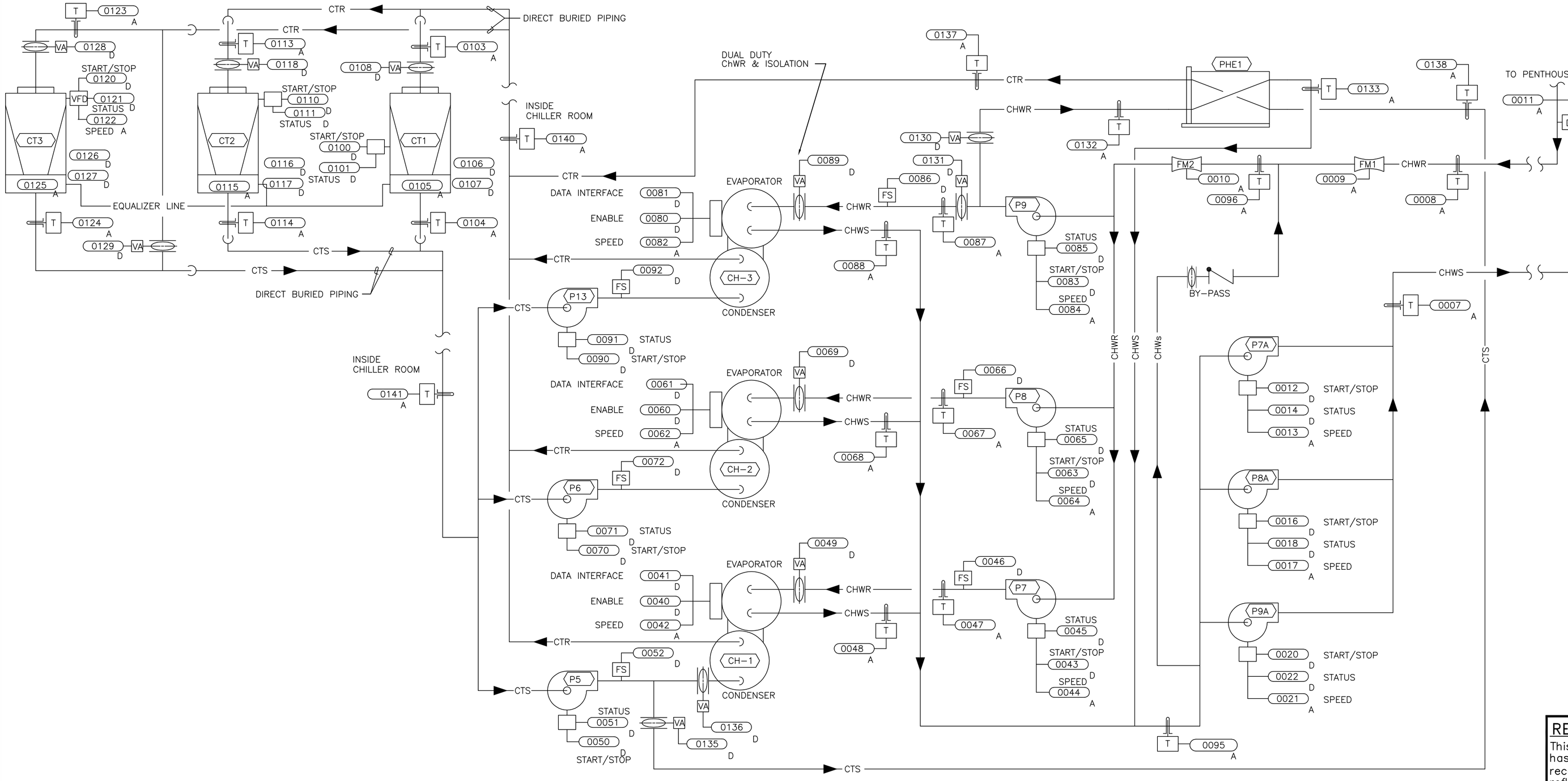
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
CONTROLS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M6.1	49	124

26–7259.11–08



CHILLED WATER PLANT CONTROLS

HEATING WATER PLANT CONTROLS

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ASCG INCORPORATED

ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS

6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION

Contractor
Work Started By Date
Inspector's Acceptance By Date
Field Verification By Date
Drawings Corrected By Date

MICRO-FILM INFORMATION

Recorded By Date
No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Designed By: PL	Date: 06/15/07
		Drawn By: CGA	Date: 06/15/07
		Checked By: PL	Date: 06/15/07

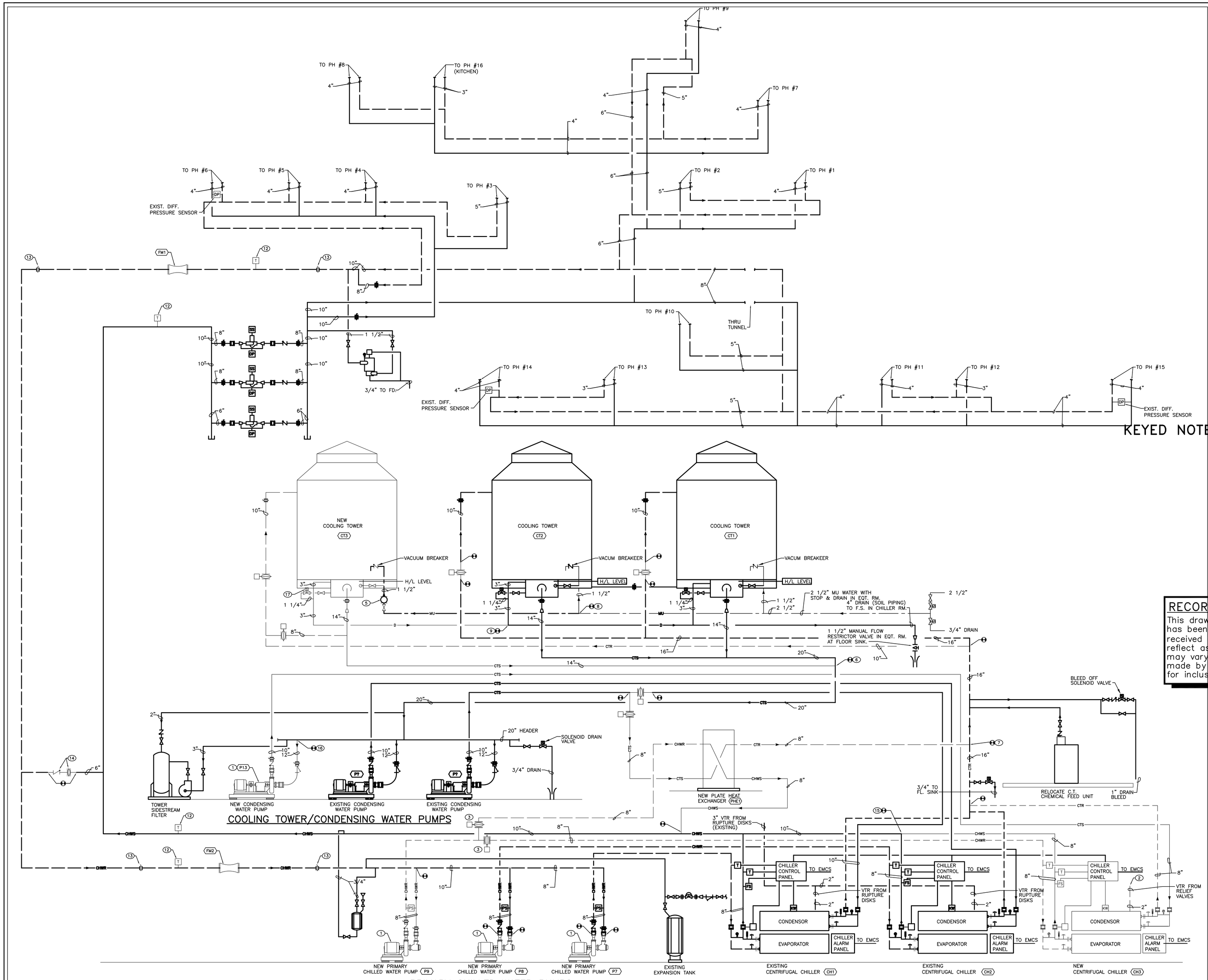
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
CONTROLS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	M6.2	50	124

26-7259.11-08



COOLING TOWER/CONDENSING WATER PUMPS

PRIMARY CHILLED WATER PUMPS

CHILLED WATER PLANT SCHEMATIC

SCALE: NONE

KEYED NOTES:

1. REFER TO PUMP DETAIL 4/M5.1.
2. EXTEND NEW RELIEF VALVE PIPING FULL SIZE TO A MINIMUM OF 20 FEET ABOVE GRADE LEVEL OUTSIDE OF BUILDING.
3. MOTORIZED BUTTERFLY VALVES FOR PHE OPERATION IN ChWR PIPING.
4. MOTORIZED BUTTERFLY VALVES FOR PHE OPERATION IN CTS PIPING.
5. WATER METER WITH TOTALIZING REGISTER ON MAKE–UP WATER LINE.
6. LOCATE EXISTING BURIED 20" CTS PIPING AND INSTALL NEW 14" BRANCH SIZE WELDED TEE. EXTEND NEW 14" CTS TO SUMP DRAIN OF COOLING TOWER CT3.
7. LOCATE EXISTING BURIED 16" CTR PIPING AND INSTALL NEW 10" BRANCH SIZE WELDED TEE. EXTEND NEW 10" CTR PIPING TO DISTRIBUTION VALVES ON TOP OF TOP OF COOLING TOWER CT3.
8. LOCATE EXISTING 1 1/2" MAKE–UP WATER LINE. CONNECT NEW 1 1/2" MAKE–UP WATER LINE TO EXISTING AND EXTEND TO MAKE–UP WATER CONNECTION ON COOLING TOWER CT3.
9. LOCATE EXISTING 4" DRAIN LINE AND EXTEND TO COOLING TOWER CT3. CONNECT NEW 3" OVERFLOW AND DRAIN FROM CT3 TO 4" DRAIN.
10. INSTALL NEW FLOWMETER, SYMBOL FM1 IN ChWR PIPING RETURNING FROM THE BUILDING. MAINTAIN STRAIGHT PIPING INTO AND OUT OF FLOWMETER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
11. INSTALL NEW FLOWMETER, SYMBOL FM–? IN ChW PRIMARY LOOP. MAINTAIN STRAIGHT PIPING INTO AND OUT OF FLOWMETER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
12. INSTALL NEW ANALOG TEMPERATURE SENSORS, SEE CONTROLS DRAWINGS.
13. INSTALL NEW MANUAL BUTTERFLY VALVES FOR SERVICING FLOWMETER. VALVES TO BE LOCATED OUTSIDE OF MANUFACTURER'S REQUIRED STRAIGHT PIPING INTO AND OUT OF FLOWMETER.
14. INSTALL NEW MANUAL BUTTERFLY VALVE AND SWING CHECK VALVE IN EXISTING BYPASS PIPING.
15. REMOVE EXISTING 6"x10" REDUCER AND INSTALL 8"x10" REDUCER TO CONNECT TO NEW 8" ChWS PIPING FROM CHILLER CH–3.
16. REMOVE EXISTING 8" REDUCER FROM 20" CTS HEADER. INSTALL NEW 12" REDUCER. EXTEND PIPING TO NEW PUMP P13, SEE DETAIL 8/M5.1 FOR PIPING AND ACCESSORIES.
17. INSTALL 1–1/4" MANUAL DRAIN VALVE AND SOLENOID VALVE, SEE CONTROLS FOR OPERATION.

KEYED NOTES:

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes By / Date
No.

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR–LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

No.	Date	Remarks	By
		REVISIONS	
		DESIGN	
		Designed By: PL	Date: 06/15/07
		Drawn By: CGA	Date: 06/15/07
		Checked By: PL	Date: 06/15/07

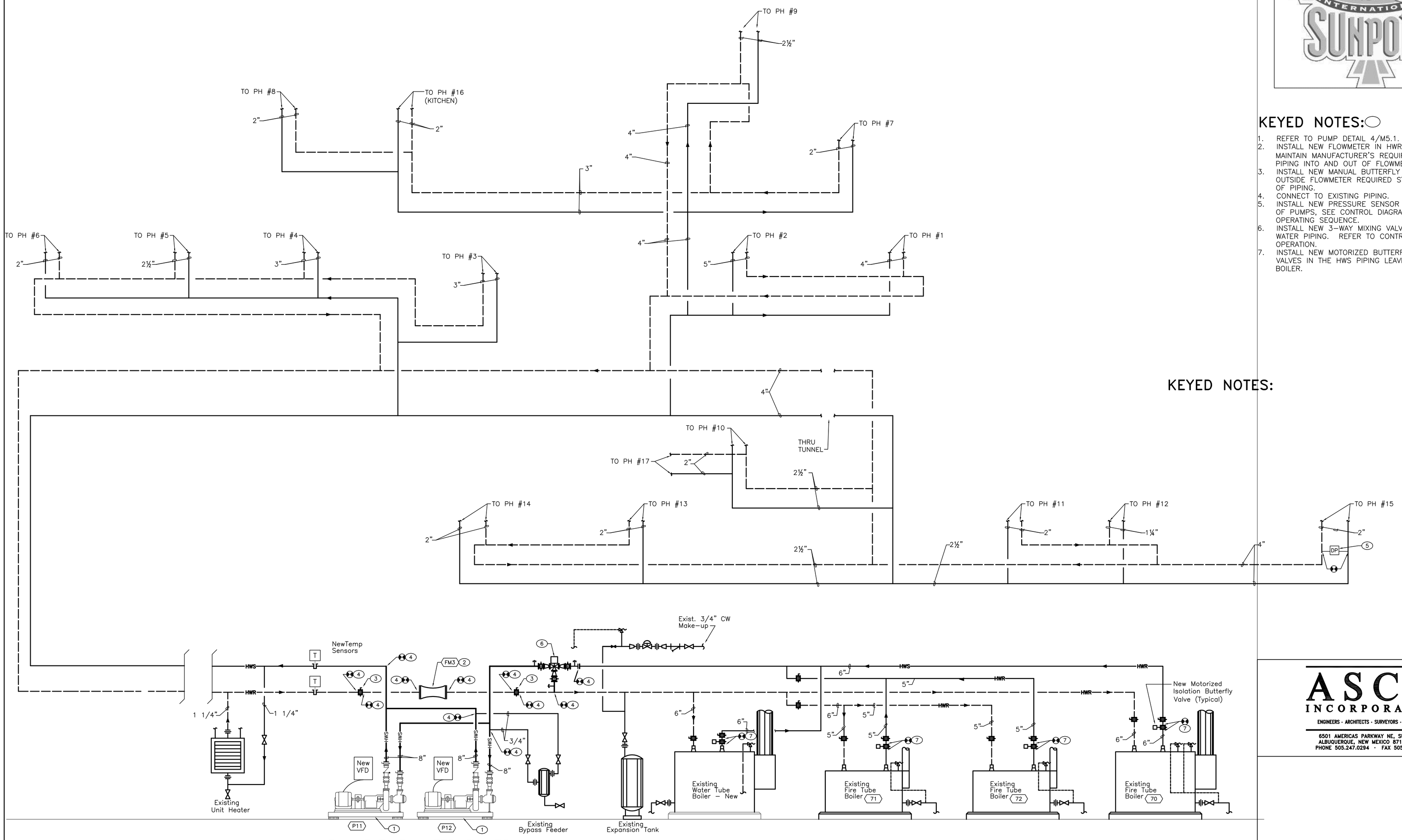
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
CHILLED WATER PLANT SCHEMATIC

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M6.3	51	124

26–725911.11–08



NEW HEATING WATER PUMPS

HEATING WATER PIPING SCHEMATIC

SCALE: NONE

KEYED NOTES:

KEYED NOTES:

1. REFER TO PUMP DETAIL 4/M5.1.
2. INSTALL NEW FLOWMETER IN HWR PIPING. MAINTAIN MANUFACTURER'S REQUIRED STRAIGHT PIPING INTO AND OUT OF FLOWMETER.
3. INSTALL NEW MANUAL BUTTERFLY VALVES OUTSIDE FLOWMETER REQUIRED STRAIGHT RUNS OF PIPING.
4. CONNECT TO EXISTING PIPING.
5. INSTALL NEW PRESSURE SENSOR FOR CONTROL OF PUMPS, SEE CONTROL DIAGRAMS AND OPERATING SEQUENCE.
6. INSTALL NEW 3-WAY MIXING VALVE IN HEATING WATER PIPING. REFER TO CONTROLS FOR OPERATION.
7. INSTALL NEW MOTORIZED BUTTERFLY ISOLATION VALVES IN THE HWS PIPING LEAVING EACH BOILER.

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ABQ INTERNATIONAL SUNPORT

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

No.	Date	Remarks	By
		REVISIONS	
		DESIGN	
			Designed By: PL Date: 06/15/07
			Drawn By: CGA Date: 06/15/07
			Checked By: PL Date: 06/15/07

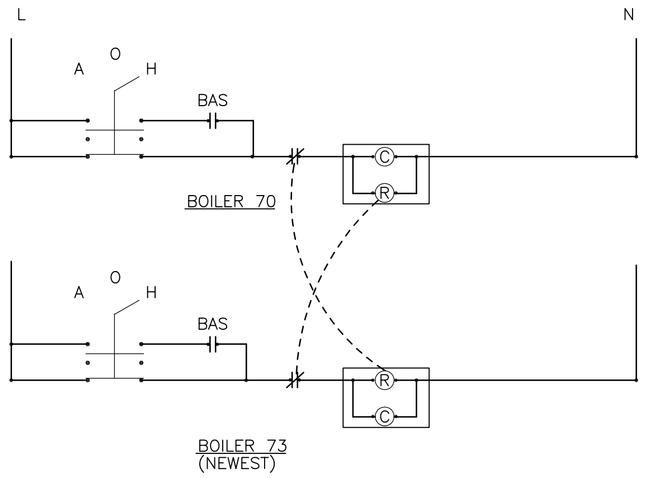
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
BOILER PLANT SCHEMATIC

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

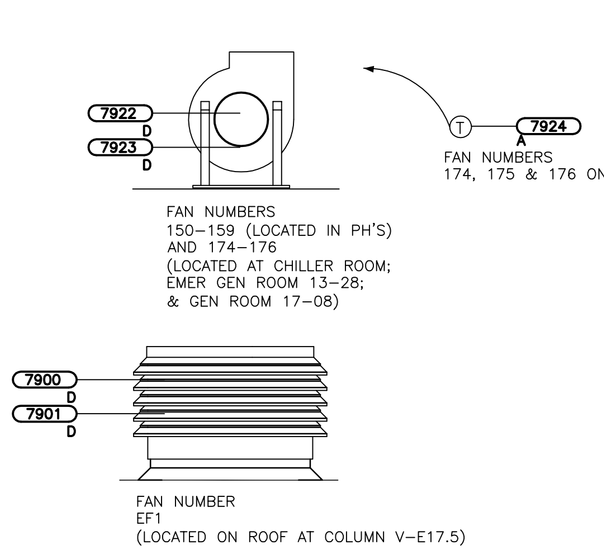
City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	M6.4	52	124

2 6 – 7 2 5 9 . 1 1 – 0 8



BOILER CONTROL

NOTE:
A TO GET EXISTING FUNCTIONALITY BACK IN TACT, PROVIDE RELAYS TO PREVENT THE TWO LARGE BOILERS FROM BEING ALLOWED TO START AT THE SAME TIME.
B RECONNECT "HAND" POSITION OF EXISTING H-O-A SWITCH, AT ALL FOUR BOILERS. DIAGRAM ABOVE SHOWN FOR TWO LARGE BOILERS.



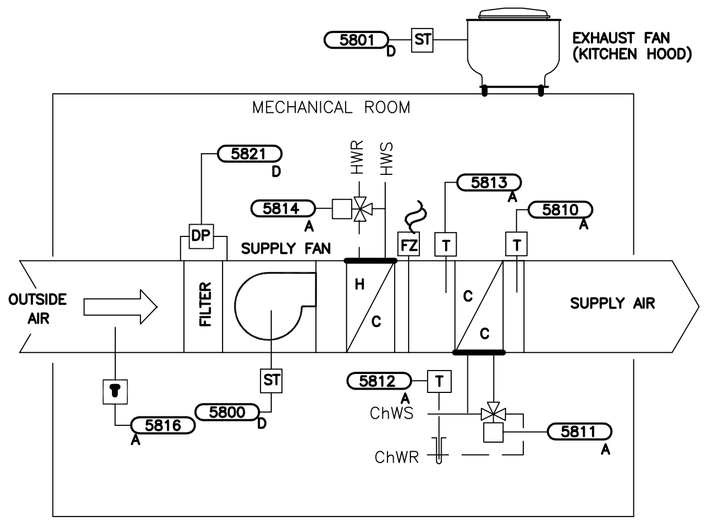
GENERAL EXHAUST FAN CONTROL

POINT NUMBERS SHOWN FOR EXHAUST FAN 174.
OTHER EXHAUST FAN POINTS ARE SIMILAR SEE POINTS LIST.

ALL CONTROL POINTS AND CONTROLLERS SHALL BE NEW FOR COMPATIBILITY WITH THE NEW BAS. ALL EXISTING PNEUMATIC CONTROLS SHALL BE REPLACED WITH ELECTRONIC CONTROL DEVICES.

STATUS FOR THE EXHAUST FAN SHALL REPORT TO THE BAS AND SHALL ALARM WHEN STATUS IS NOT PROVEN.

THE BAS WILL MONITOR THE SPACE TEMPERATURE SENSOR AT THE AREAS SERVED BY FAN 174-176 AND WILL INITIATE THE FAN TO MAINTAIN SPACE TEMPERATURE. THE BAS WILL ALSO PROVIDE SPACE TEMPERATURE SETPOINT DATA.



MAKE-UP AIR HANDLING UNIT CONTROL

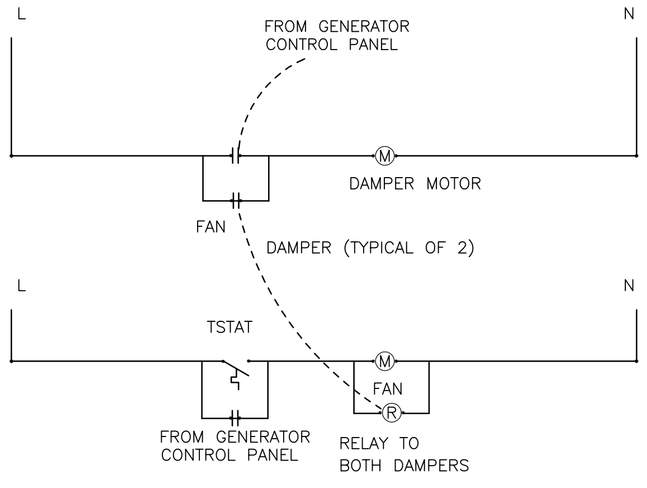
POINT NUMBERS SHOWN FOR MAU1. MAU2 ARE SIMILAR SEE POINTS LIST.

ALL CONTROL POINTS AND CONTROLLERS SHALL BE NEW FOR COMPATIBILITY WITH THE NEW BAS. ALL EXISTING PNEUMATIC CONTROLS SHALL BE REPLACED WITH ELECTRONIC CONTROL DEVICES.

THE MAKE-UP AIR HANDLER IS INTERLOCKED TO ITS ASSOCIATED EXHAUST FAN. THE MAKE-UP AIR HANDLER SHALL BE ON WHEN THE EXHAUST FAN IS ON. THE DISCHARGE AIR TEMPERATURE SHALL BE MAINTAINED AT 70F (ADJUSTABLE) BY MODULATING THE COILING COIL OR HEATING COIL VALVE.

THE FREEZESTAT INSTALLED IN THE OUTSIDE AIR DUCT DOWNSTREAM OF THE FILTERS AND UPSTREAM OF THE SUPPLY FAN. THIS FREEZESTAT WILL BE HARD-WIRED INTO THE FAN STARTER CIRCUIT TO DE-ENERGIZE THE SUPPLY FAN (AND THROUGH ELECTRICAL INTERLOCK, THE EXHAUST FAN) IN THE EVENT THE SENSED TEMPERATURE DROPS BELOW SETPOINT (40° F). IN ADDITION, THERE WILL BE A TEMPERATURE SENSOR INSTALLED AT THE SAME LOCATION AND MONITORED BY THE BAS. DE-ENERGIZING OF THE AIR HANDLER BY THE FREEZESTAT WILL SEND AN ALARM TO THE BAS INDICATING THE CONDITION.

STATUS FOR THE SUPPLY FAN AND EXHAUST FAN SHALL REPORT TO THE BAS AND SHALL ALRAM WHEN STATUS OF EITHER IS NOT PROVEN.



VENTILATION FAN

ELECTRICAL CONTROL DIAGRAMS

Ventilation Fan:
Ventilation Fan will be initiated directly thru the Generator Control Panel or the existing wall thermostat. When the generator is on the fan shall be initiated ON.
When the generator is not in use, the fan shall have the capability to be initiated ON thru the t'stat if the room temperature is above the t'stat setpoint.
If the generator is not in use and the room temperature is below the temperature setpoint, the Fan shall be in the OFF position.

Dampers:
The intake and relief pneumatic dampers operators shall be removed and replaced with electronic damper operators.
The intake and relief dampers shall be OPEN anytime the generator is on, thru the Generator Control Panel.
When the generator is not in use, the intake and relief dampers shall have the capability to be OPEN anytime the fan is on.
If the generator is not in use and the fan is in the off position, the intake and relief dampers shall be CLOSED.

BAS Points:
Fan status point – indicates if the fan is off or on (existing point – See M6.1R02 and points list)
Room Temperature – Room Temperature Sensor reporting to BAS (existing point – See M6.1R02 and points list).
ATS Position – indicates if the Generator is in the Emergency or Normal position (existing 8000 Series point)

SEQUENCE FOR FAN POWERED VAV'S

FANS SHALL OPERATE CONTINUOUSLY TO PROVIDE CONSTANT VOLUME SUPPLY AIR AS INDICATED ON THE PLANS. THE UNITS SHALL BE CONNECTED TO THE COLD DECK. WHEN THE THERMOSTAT CALLS FOR COOLING THE COLD DECK DAMPER OPENS TO INCREASE THE FLOW OF COLD AIR AND REDUCE THE INDUCTION OF RETURN AIR. AS THE THERMOSTAT IS SATISFIED THE COLD DECK DAMPER CLOSES TO ALLOW MORE RETURN AIR TO BE INDUCED FROM THE CEILING PLENUM. ON A CALL FOR HEATING THE COLD DECK DAMPER IS COMPLETELY CLOSED AND RETURN AIR IS SUPPLIED TO SATISFY THE THERMOSTAT. THE COLD DECK DAMPER SHALL BE NORMALLY OPEN.

PARTIAL POINTS LIST:

3XX0 DD TU	Zone Temperature	Analog IN	50 / 90 F
3XX1 DD TU	Thermostat Set Point	Analog OUT	65 / 75 F
3XX2 DD TU	Terminal Unit Damper Position - Cold	Analog OUT	0-100%
~~3XX3 DD TU~~	~~Terminal Unit Damper Position - Hot~~	~~Analog OUT~~	~~0-100%~~
3XX4 DD TU	Supply Air Volume	Analog IN	Note

NOTE:
A REPLACE THE REQUIREMENT FOR THE "TERMINAL UNIT DAMPER POSITION – HOT" WITH A "FAN ON/OFF" DIGITAL OUT POINT. (TYPICAL OF 3 LOCATIONS).

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI
NEW MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Designed By: PL	Date: 06/15/07
		Drawn By: CGA	Date: 06/15/07
		Checked By: PL	Date: 06/15/07

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 - FAX 505.242.4845

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
CONTROLS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	M6.5	53	124

26-7259.11-08

PUMP SCHEDULE (Px) (OWNER PROVIDED, CONTRACTOR INSTALLED)

SYMBOL	LOCATION	SYSTEM	SERVICE	MINIMUM CAPACITY GPM	TOTAL DYNAMIC HEAD Ft. W.C.	TYPE	RPM	MINIMUM PUMP EFFICIENCY %	PUMP BHP	IMPELLER SIZE In.	MINIMUM DISCH./SUCT. In.	MOTOR					RUNOUT PIPING CONN. In.	DESIGN BASIS MAKE–MODEL	REMARKS
												HP	V	PH	HZ	CONTROL			
P11	Boiler Rm	Heating Water	Building Heating Supply	900	140	End Suction	1750	84	37.6	12.9	4/5	40	460	3	60	VFD	6	WEINMAN 500	Frame–Mounted, mechanical seal, 4"KS
P12	Boiler Rm	Heating Water	Building Heating Supply	900	140	End Suction	1750	84	37.6	12.9	4/5	40	460	3	60	VFD	6	WEINMAN 500	Frame–Mounted, mechanical seal, 4"KS

EXHAUST FAN SCHEDULE (EFx)

SYMBOL	LOCATION	FAN TYPE	MINIMUM AIR FLOW CFM	EXTERNAL STATIC PRESSURE In. W.C.	MAXIMUM FAN RPM	MAXIMUM TIP SPEED FPM	MAXIMUM SONES	FAN MOTOR					OPERATING WEIGHT POUNDS	DESIGN BASIS		REMARKS
								MOTOR HP	TYPE OF DRIVE	V	PH	HZ		MANUFACTURER	MODEL	
EF1	ROOF	CENTRIFUGAL	4190	.88	860	4900	15	1.5	BELT	240	3	60	130	GREENHECK	CUBE 220	REFRIGERANT PURGE, HIGH LEVEL

FAN COIL UNIT SCHEDULE (FCx)

	GENERAL		AIR SIDE						COOLING				SUPPLY FAN							
SYMBOL	LOCATION	CONFIGURATION	MINIMUM AIRFLOW CFM	TOTAL STATIC PRESSURE In. W.C.	ENTERING AIR TEMP °F		LEAVING AIR TEMP °F		COIL FACE VELOCITY FPM	WATER FLOW GPM	ENTERING WATER TEMPERATURE °F	LEAVING WATER TEMPERATURE °F	MAX. WATER PRESSURE DROP Ft. W.C.	DRIVE TYPE	QTY.	MOTOR POWER HP	ELECTRICAL CHARACTERISTICS			OPERATING WEIGHT POUNDS	REMARKS
					DB	WB	DB	WB									V	PH	HZ		
FCU1	CHILLER ROOM	HORIZONTAL EXPOSED	3500	1.0	80	57.5	54.5	48	550	15.0	44	58	15	BELT	1	1.5	460	3	60	400	Double deflection supply register on discharge
FCU2	CHILLER ROOM	HORIZONTAL EXPOSED	3500	1.0	80	57.5	54.5	48	550	15.0	44	58	15	BELT	1	1.5	460	3	60	400	Double deflection supply register on discharge
FCU3	ELEV EQUP RM 101	HORIZONTAL EXPOSED	2100	1.5	80	57.5	54.1	48	550	13.0	44	58	5.5	BELT	1	1.5	208	1	60	435	Furnish with 2–speed switch
FCU4	ELEV EQUIP RM	HORIZONTAL EXPOSED	2100	1.5	80	57.5	54.1	48	550	13.0	44	58	5.5	BELT	1	1.5	208	1	60	435	Furnish with 2–speed switch

CONDENSATE PUMP SCHEDULE

SYMBOL	SERVICE	MANUF.	MODEL	GPH	HD (FT)	HP	VOLT/ PHASE	REMARKS
P–1	FCU4	LITTLE GIANT	VCL–45	80	40	1/5	120/1	WEIGHT 13LBS; Provided for FCU3, FCU4

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR–LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Designed By: PL	
	Date: 06/15/07	Drawn By: CGA	
	Date: 06/15/07	Checked By: PL	

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

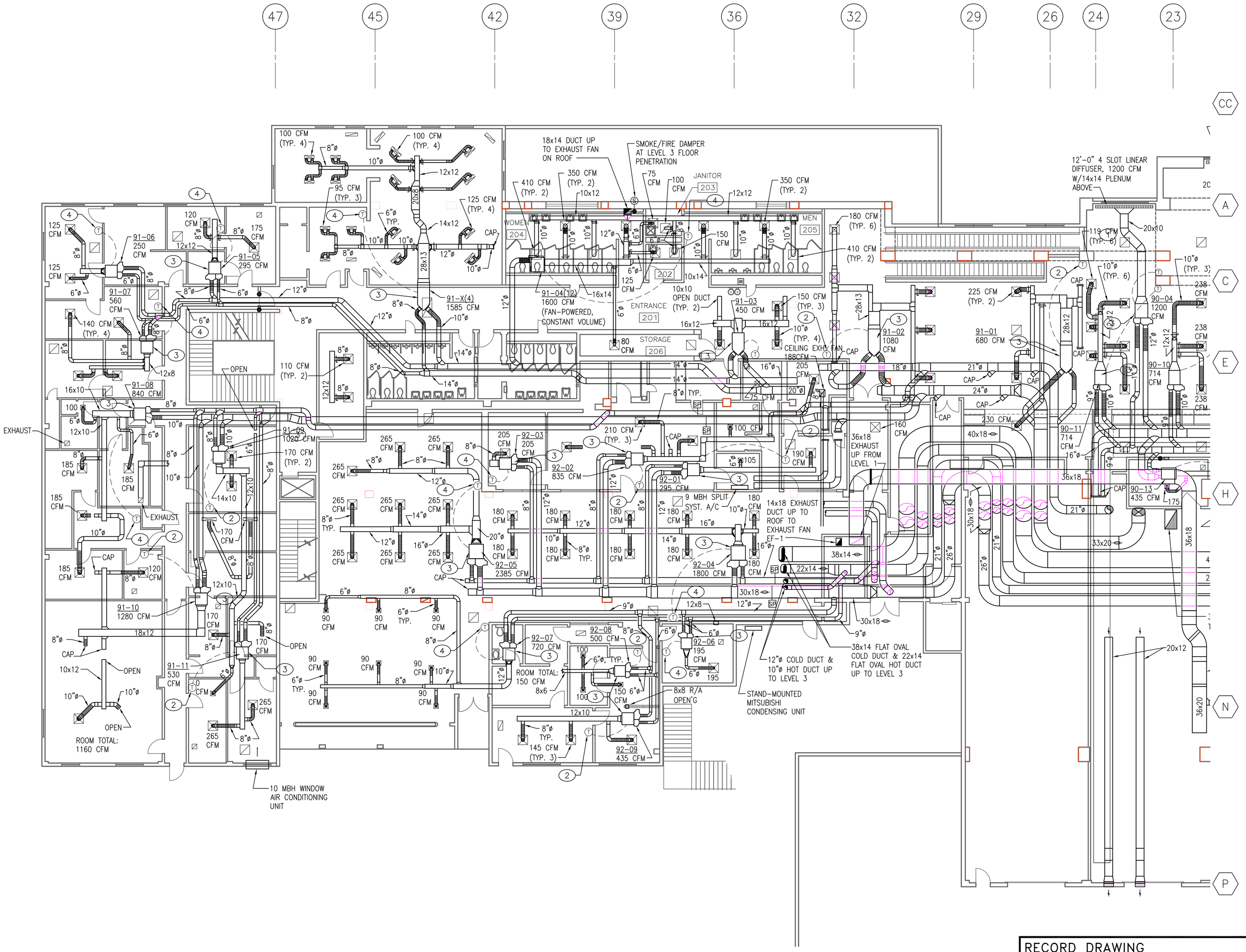
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL EQUIPMENT SCHEDULE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M7.1	54	124

26–7259.11–08

INDEXED NOTES:



1 LEVEL 2 MECHANICAL PLAN–AREA 10
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

KEY PLAN–LEVEL 2 AREA 10
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

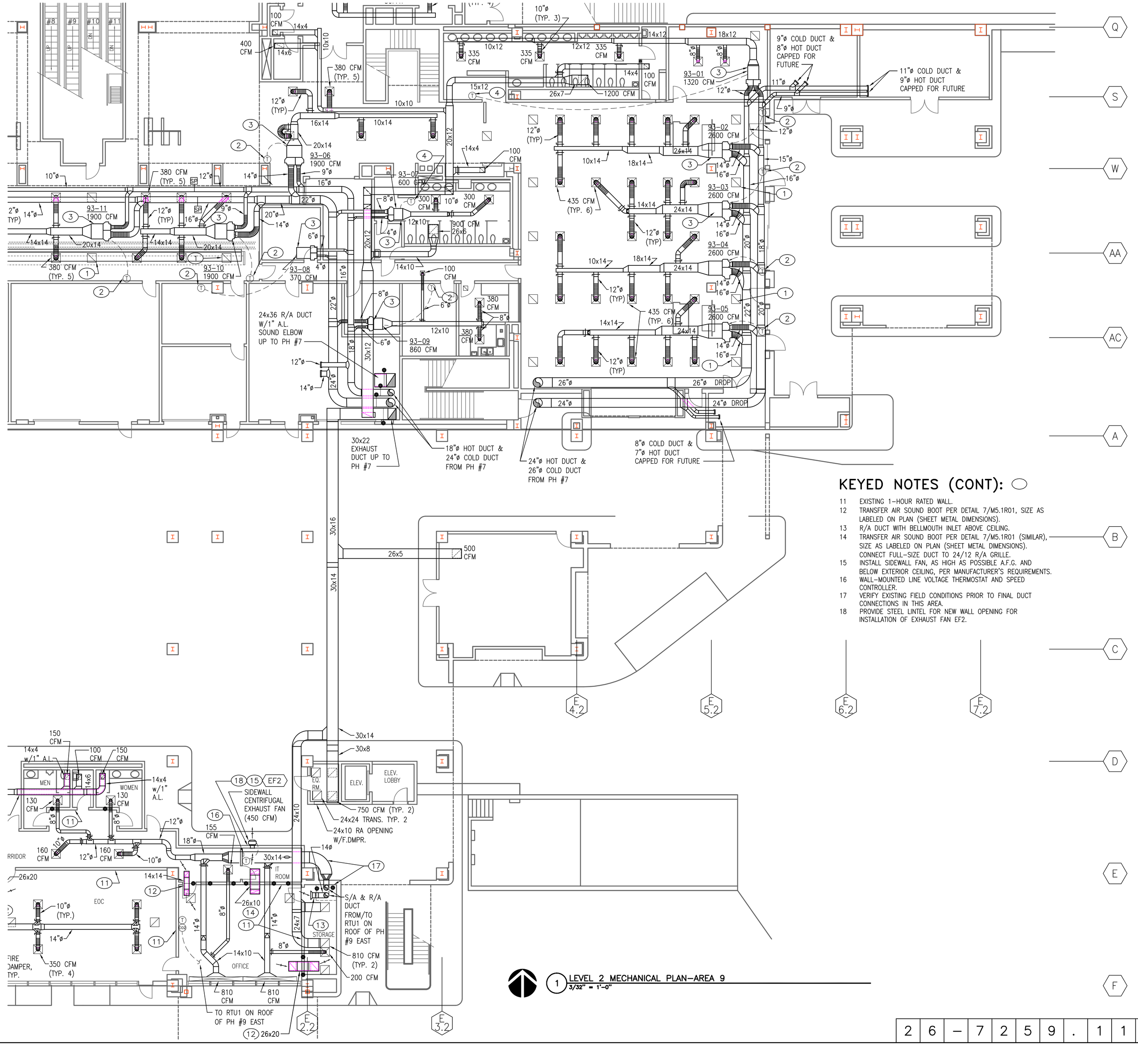
No.	Date	Remarks	By
		DESIGN	Designed By: PL Date: 06/15/07
			Drawn By: CGA Date: 06/15/07
			Checked By: PL Date: 06/15/07

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

2 6 – 7 2 5 9 . 1 1 – 0 8	City Project No. 725911	Zone Map No. M–16	Drawing No. M3.10	Sheet 12	Of 124



1 LEVEL 2 MECHANICAL PLAN–AREA 9
3/32" = 1'-0"

KEYED NOTES (CONT): ⬭

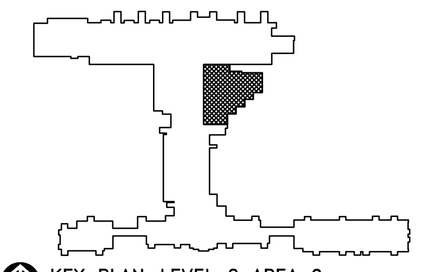
11 EXISTING 1–HOUR RATED WALL.
12 TRANSFER AIR SOUND BOOT PER DETAIL 7/M5.1R01, SIZE AS LABELED ON PLAN (SHEET METAL DIMENSIONS).
13 R/A DUCT WITH BELLMOUTH INLET ABOVE CEILING.
14 TRANSFER AIR SOUND BOOT PER DETAIL 7/M5.1R01 (SIMILAR), SIZE AS LABELED ON PLAN (SHEET METAL DIMENSIONS). CONNECT FULL–SIZE DUCT TO 24/12 R/A GRILLE.
15 INSTALL SIDEWALL FAN, AS HIGH AS POSSIBLE A.F.G. AND BELOW EXTERIOR CEILING, PER MANUFACTURER'S REQUIREMENTS.
16 WALL–MOUNTED LINE VOLTAGE THERMOSTAT AND SPEED CONTROLLER.
17 VERIFY EXISTING FIELD CONDITIONS PRIOR TO FINAL DUCT CONNECTIONS IN THIS AREA.
18 PROVIDE STEEL LINTEL FOR NEW WALL OPENING FOR INSTALLATION OF EXHAUST FAN EF2.

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.
F LOW VELOCITY DUCT FITTINGS SHALL BE LONG RADIUS TYPE.
G BRANCH TAKE–OFF FITTINGS SHALL BE TIME & A HALF TYPE.
H SEE 8/M5.1R01 FOR DUCT ACCESS DOOR DETAIL.
J PROVIDE FIRE DAMPERS IN EXISTING AND NEW DUCTS AND OPENINGS THROUGH RATED WALLS. SEE 9/M5.1R01 FOR FIRE DAMPER DETAILS.
K SEAL OPENINGS THROUGH FULL–HEIGHT WALLS TO MEET WALL RATING.
L CONNECT ALL NEW FIRE DAMPERS TO EXISTING FIRE ALARM CIRCUIT FOR THIS AREA.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.
2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.
3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.
4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.
5 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT, ABANDON IN PLACE IF INACCESSIBLE.



KEY PLAN–LEVEL 2 AREA 9
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR–LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Designed By: PL	Date: 06/15/07
		Drawn By: CGA	Date: 06/15/07
		Checked By: PL	Date: 06/15/07

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

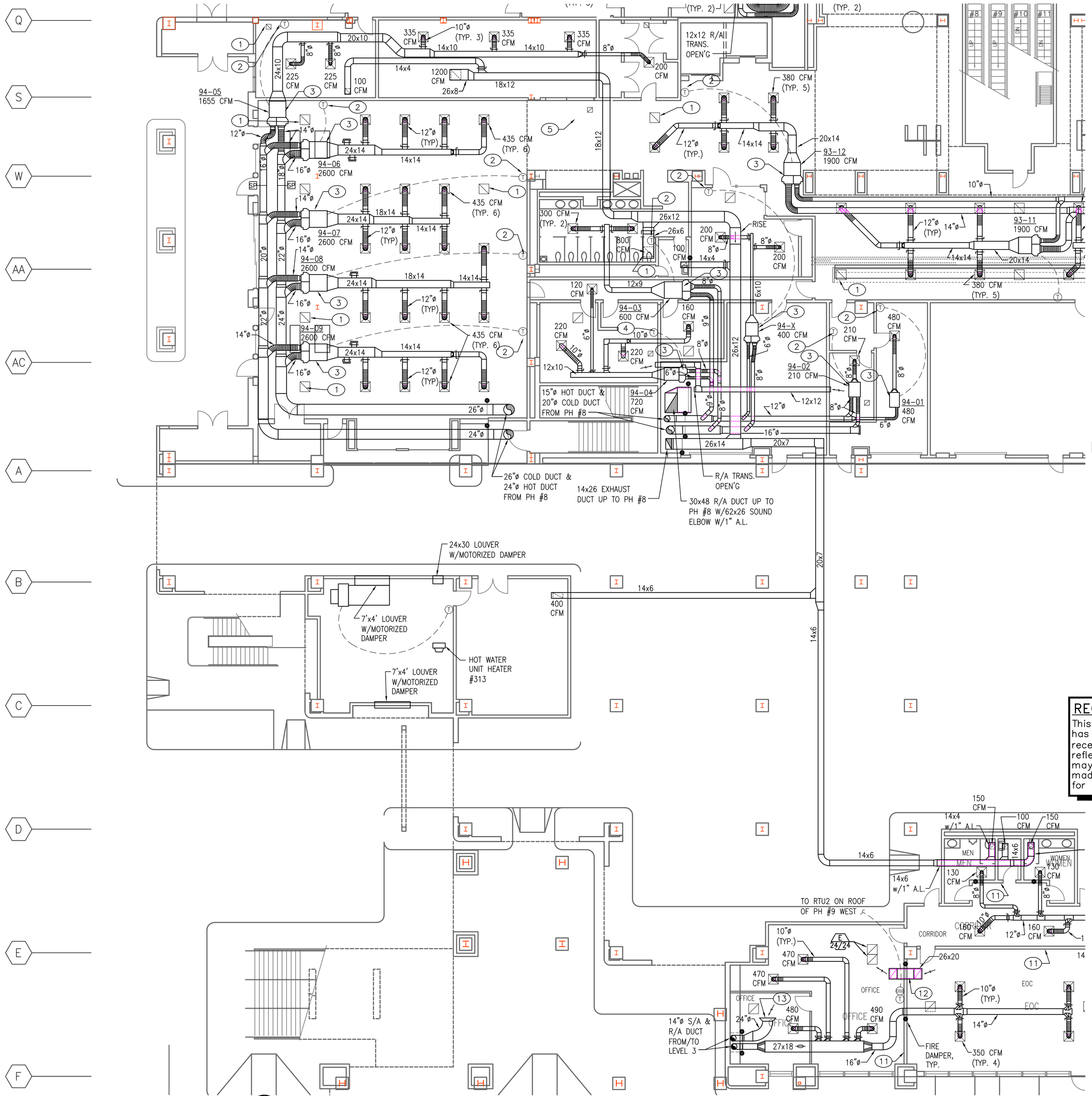
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.11	13	124

2 6 – 7 2 5 9 . 1 1 – 0 8



1 LEVEL 2 MECHANICAL PLAN–AREA 8
3/32" = 1'-0"

KEYED NOTES (CONT): ⬭

11 EXISTING 1–HOUR RATED WALL.
12 TRANSFER AIR SOUND BOOT PER DETAIL 7/M5.1R01, SIZE AS LABELED ON PLAN (SHEET METAL DIMENSIONS).
13 R/A DUCT WITH BELLMOUTH INLET ABOVE CEILING.
14 TRANSFER AIR SOUND BOOT PER DETAIL 7/M5.1R01 (SIMILAR), SIZE AS LABELED ON PLAN (SHEET METAL DIMENSIONS). CONNECT FULL–SIZE DUCT TO 24/12 R/A GRILLE.
15 INSTALL SIDEWALL FAN, AS HIGH AS POSSIBLE A.F.G. AND BELOW EXTERIOR CEILING, PER MANUFACTURER'S REQUIREMENTS.
16 WALL–MOUNTED LINE VOLTAGE THERMOSTAT AND SPEED CONTROLLER.
17 VERIFY EXISTING FIELD CONDITIONS PRIOR TO FINAL DUCT CONNECTIONS IN THIS AREA.
18 PROVIDE STEEL LINTEL FOR NEW WALL OPENING FOR INSTALLATION OF EXHAUST FAN EF2.

RECORD DRAWING

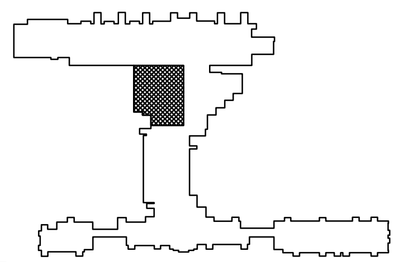
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.
2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.
3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.
4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.
5 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT, ABANDON IN PLACE IF INACCESSIBLE.



KEY PLAN–LEVEL 2 AREA 8
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes By / Date
No.

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR–LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

No.	Date	Remarks	By
		REVISIONS	
		DESIGN	
		Designed By: PL	Date: 06/15/07
		Drawn By: CGA	Date: 06/15/07
		Checked By: PL	Date: 06/15/07

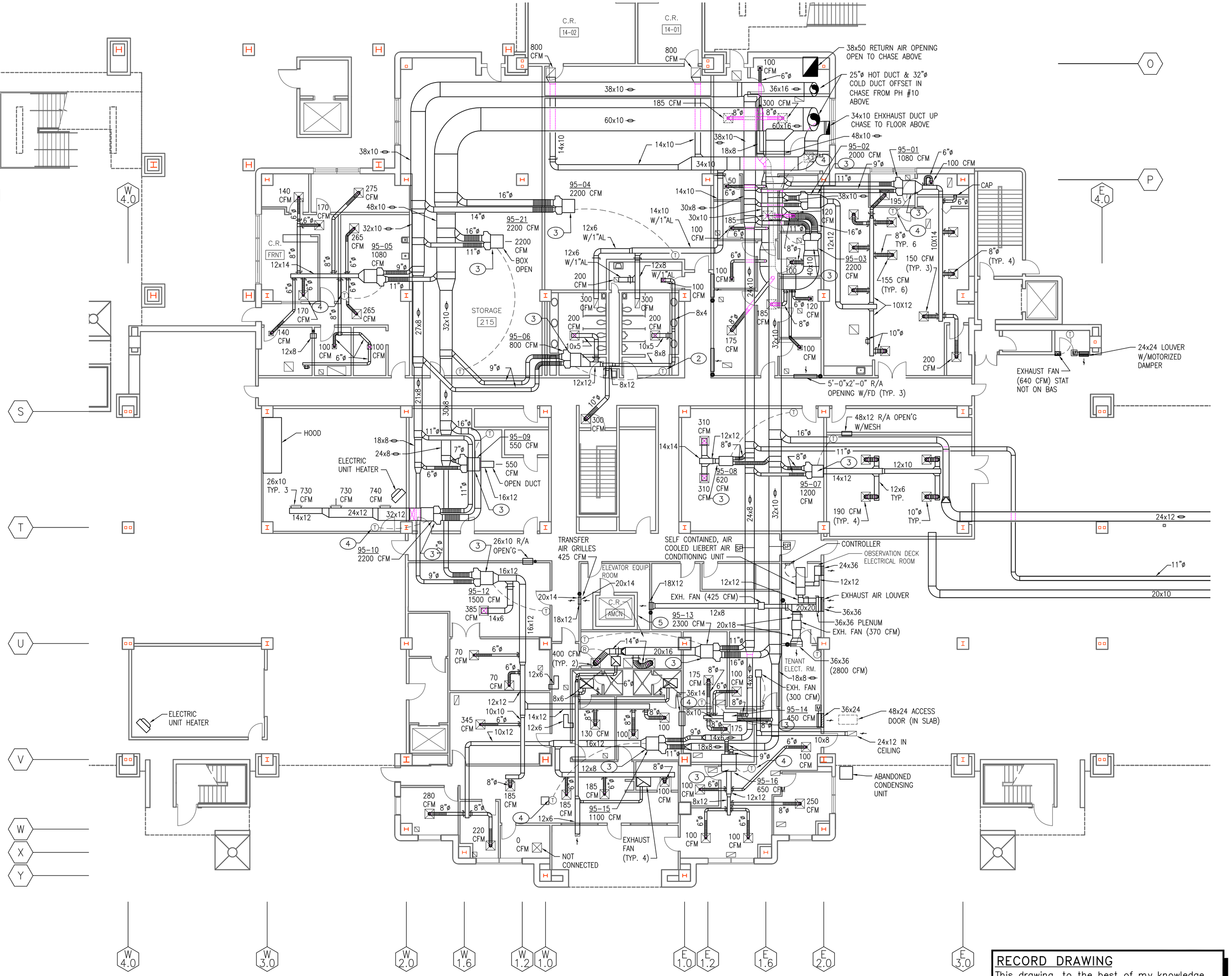
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

2	6	–	7	2	5	9	.	1	1	–	0	8	City Project No. 725911	Zone Map No. M–16	Drawing No. M3.12	Sheet 14	Of 124



1 LEVEL 2 MECHANICAL PLAN–AREA 3
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

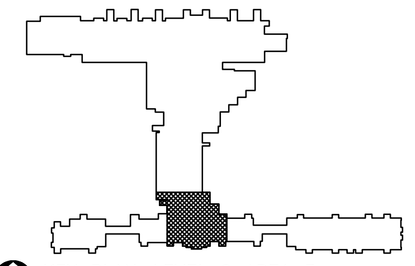
1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

5 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT, ABANDON IN PLACE IF INACCESSIBLE.



KEY PLAN–LEVEL 2 AREA 3
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR–LENTINI
NEW MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

No.	Date	By	Remarks
			REVISIONS
			DESIGN

Designed By: PL Date: 06/15/07
Drawn By: CGA Date: 06/15/07
Checked By: PL Date: 06/15/07

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

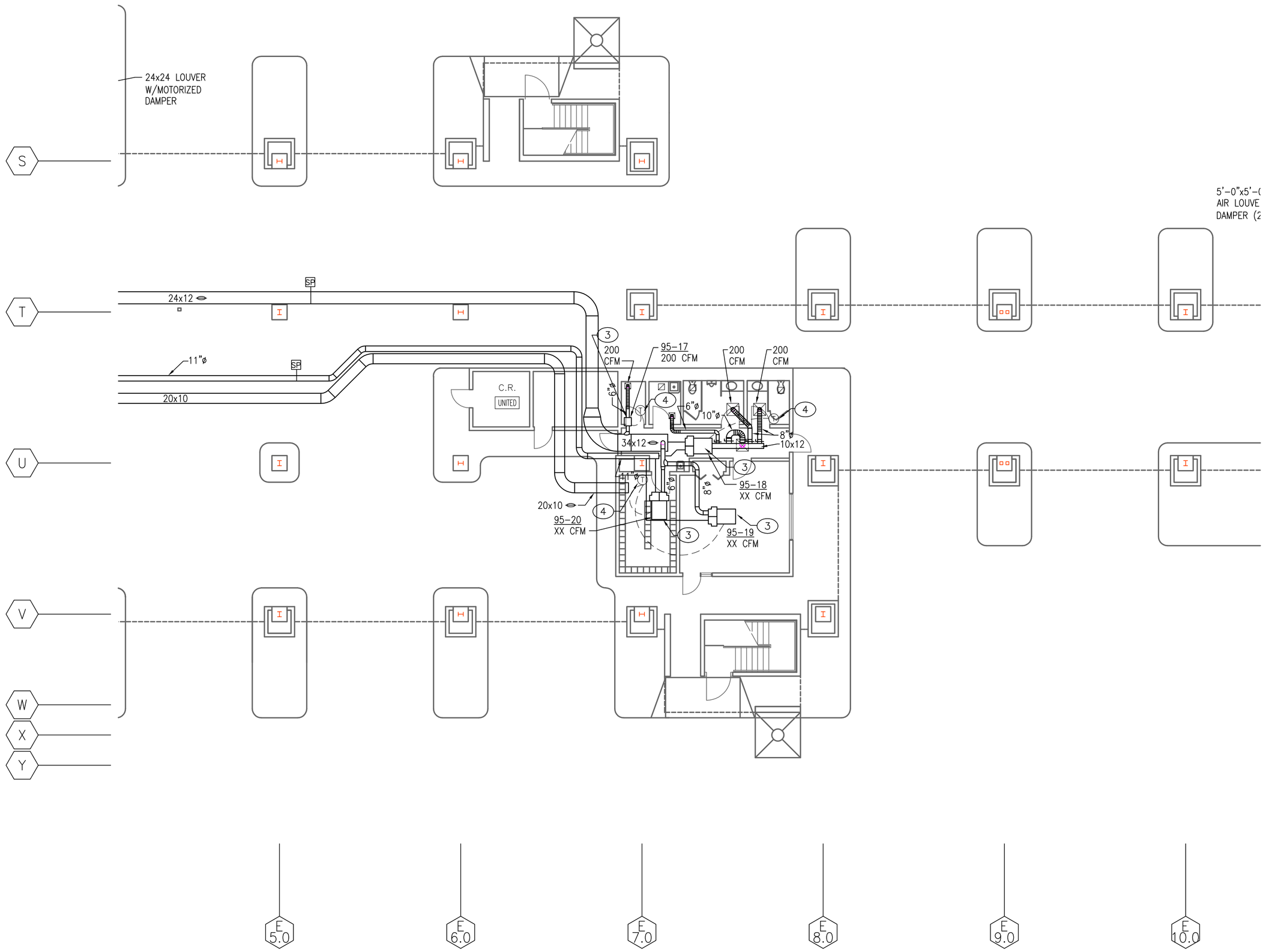
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.13	15	124

2 6 – 7 2 5 9 . 1 1 – 0 8



1 LEVEL 2 MECHANICAL PLAN–AREA 4
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

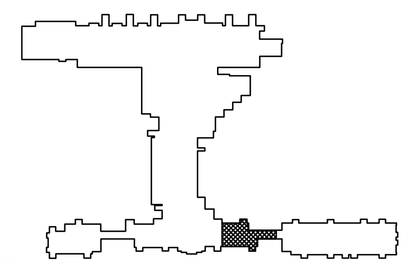
KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.



KEY PLAN–LEVEL 2 AREA 4
SCALE: NONE

ASCG
INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By Date
Inspector's Acceptance By Date
Field Verification By Date
Drawings Corrected By Date

MICRO–FILM INFORMATION
Recorded By Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
By Date
No.

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI
NEW MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By	DESIGN
				Designed By: PL Date: 06/15/07
				Drawn By: CGA Date: 06/15/07
				Checked By: PL Date: 06/15/07

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

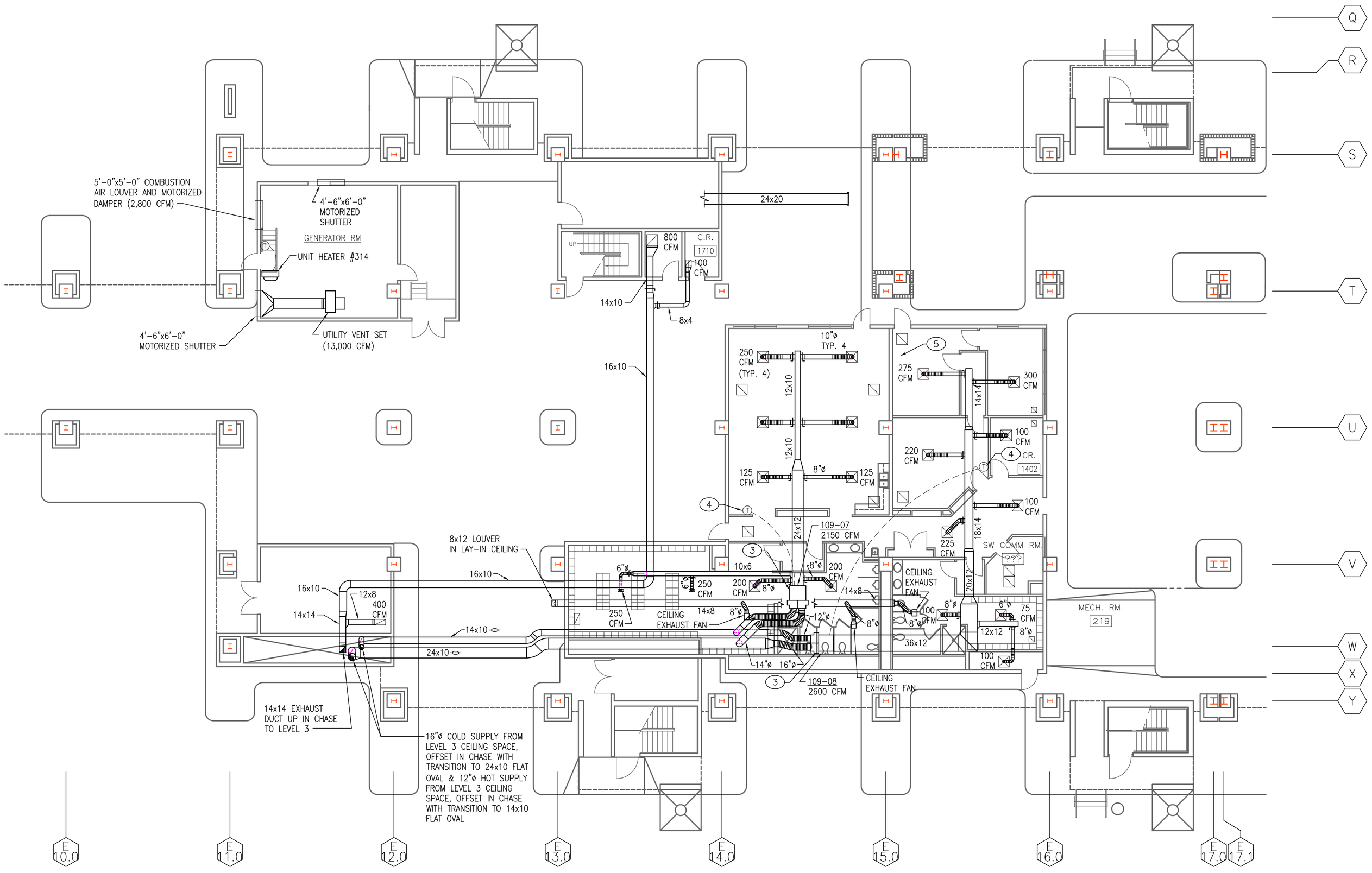
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.13A	16	124

2 6 – 7 2 5 9 . 1 1 – 0 8



1 LEVEL 2 MECHANICAL PLAN–AREA 5
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

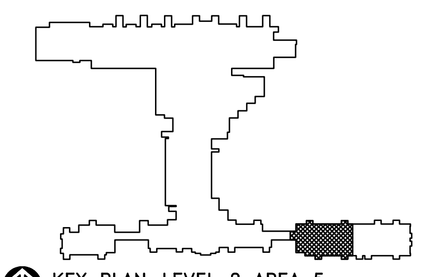
C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.
2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.
3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.
4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.
5 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT, ABANDON IN PLACE IF INACCESSIBLE.



KEY PLAN–LEVEL 2 AREA 5
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI
NEW MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN	Date: 06/15/07	Designed By: PL	
	Date: 06/15/07	Drawn By: CGA	
	Date: 06/15/07	Checked By: PL	

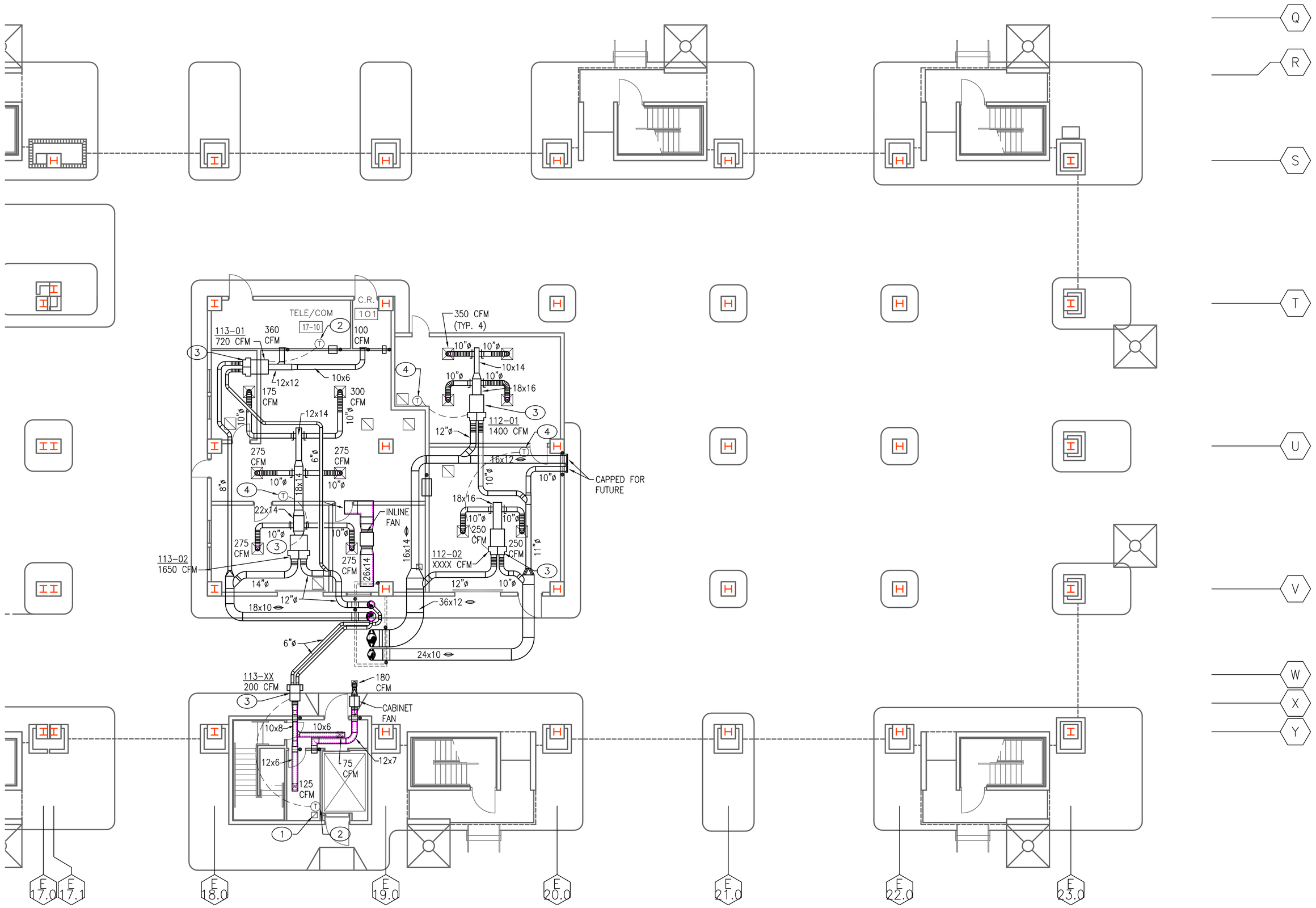
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.14	17	124

2 6 – 7 2 5 9 . 1 1 – 0 8



1 LEVEL 2 MECHANICAL PLAN–AREA 6
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

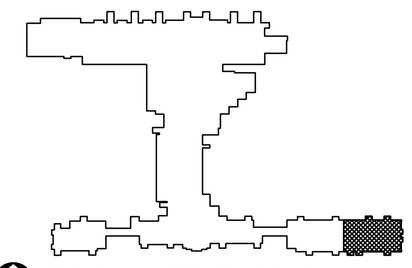
KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.



KEY PLAN–LEVEL 2 AREA 6
SCALE: NONE

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION

Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date

MICRO-FILM INFORMATION

Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION

Field Notes

No.	By	Date

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI
NEW MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By	DESIGN
				Designed By: PL Date: 06/15/07
				Drawn By: CGA Date: 06/15/07
				Checked By: PL Date: 06/15/07

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

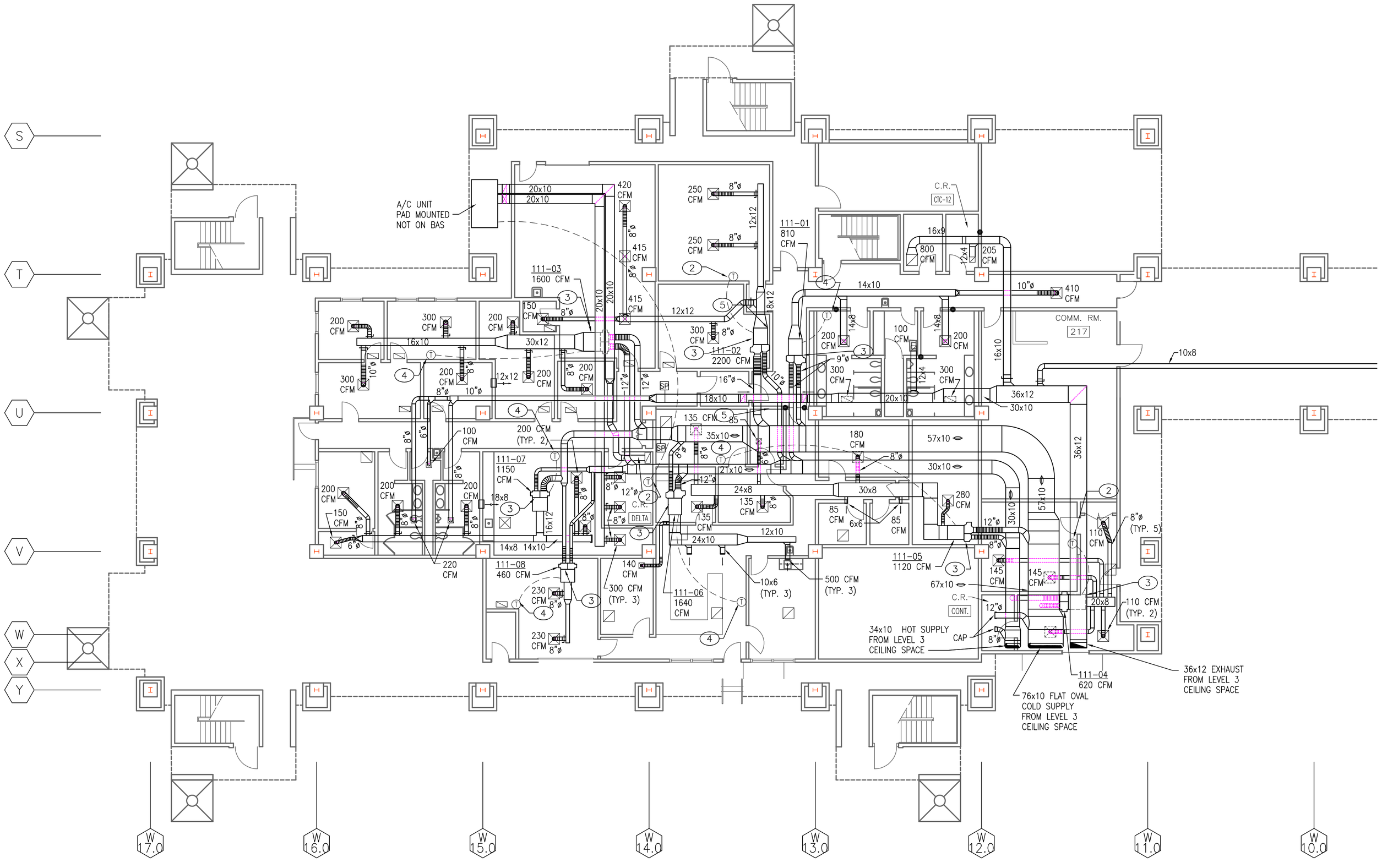
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.14A	18	124

26–7259.11–08



1 LEVEL 2 MECHANICAL PLAN–AREA 1
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.
2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.
3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.
4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.
5 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT, ABANDON IN PLACE IF INACCESSIBLE.

KEY PLAN–LEVEL 2 AREA 1
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

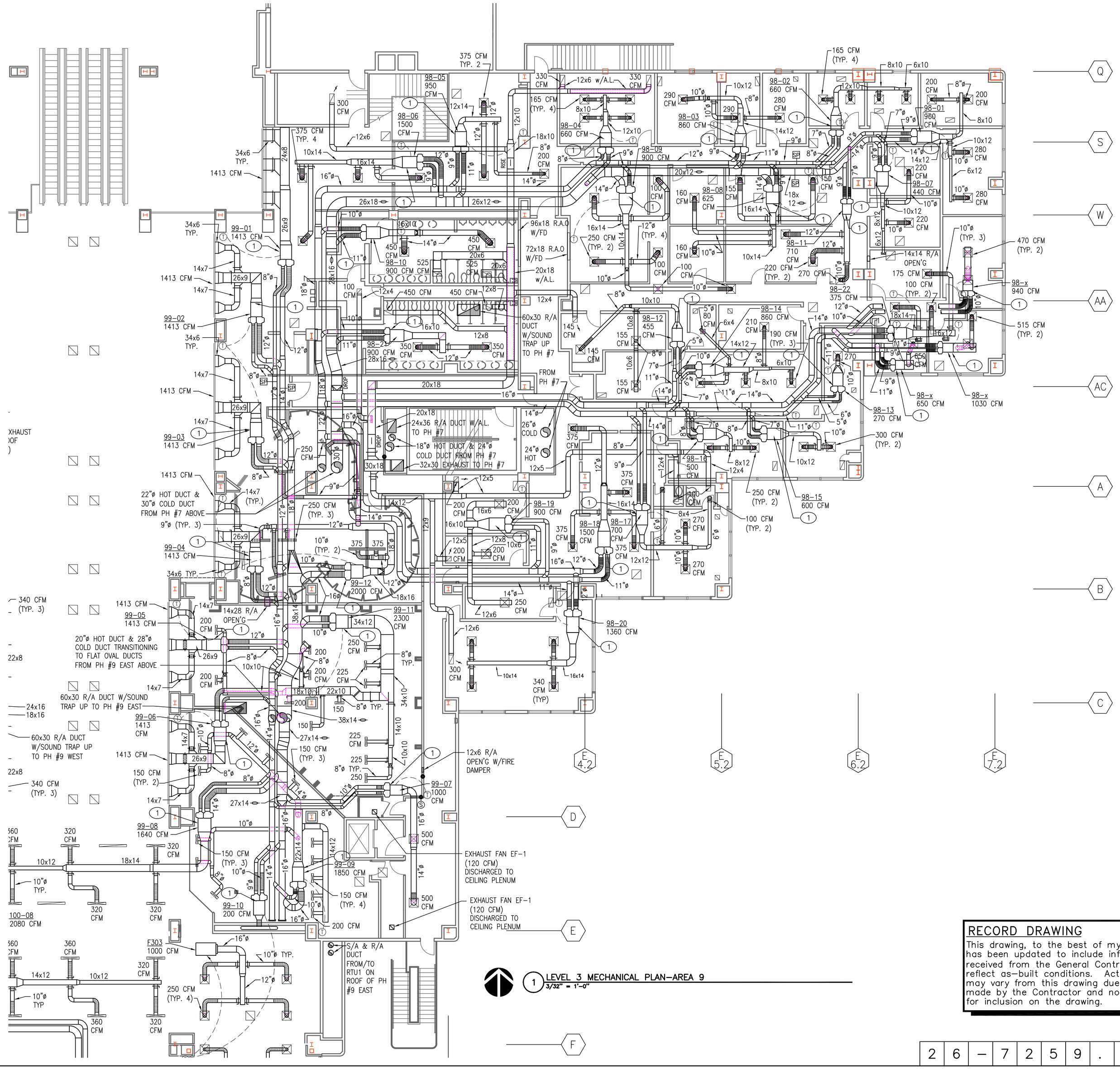
REVISIONS
No. | Remarks | By | Date
DESIGN
Designed By: PL — Date: 06/15/07
Drawn By: CGA — Date: 06/15/07
Checked By: PL — Date: 06/15/07

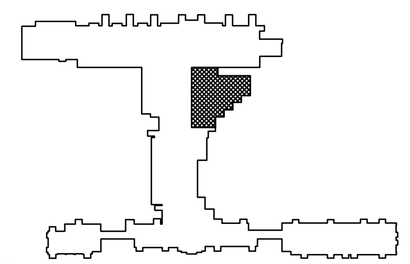
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL FLOOR PLAN – SECOND LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

2 6 – 7 2 5 9 . 1 1 – 0 8	City Project No. 725911	Zone Map No. M–16	Drawing No. M3.16	Sheet 19	Of 124





KEY PLAN–LEVEL 3 AREA 9
SCALE: NONE

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING ELECTRONIC MIXING BOX CONTROLS AND ASSOCIATED THERMOSTAT TO BE REPLACED AS REQUIRED PER SPECIFICATIONS.

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION

Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date

MICRO–FILM INFORMATION

Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION

Field Notes By / Date

No.

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR–LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Date: 06/15/07	Designed By: PL
		Date: 06/15/07	Drawn By: CGA
		Date: 06/15/07	Checked By: PL

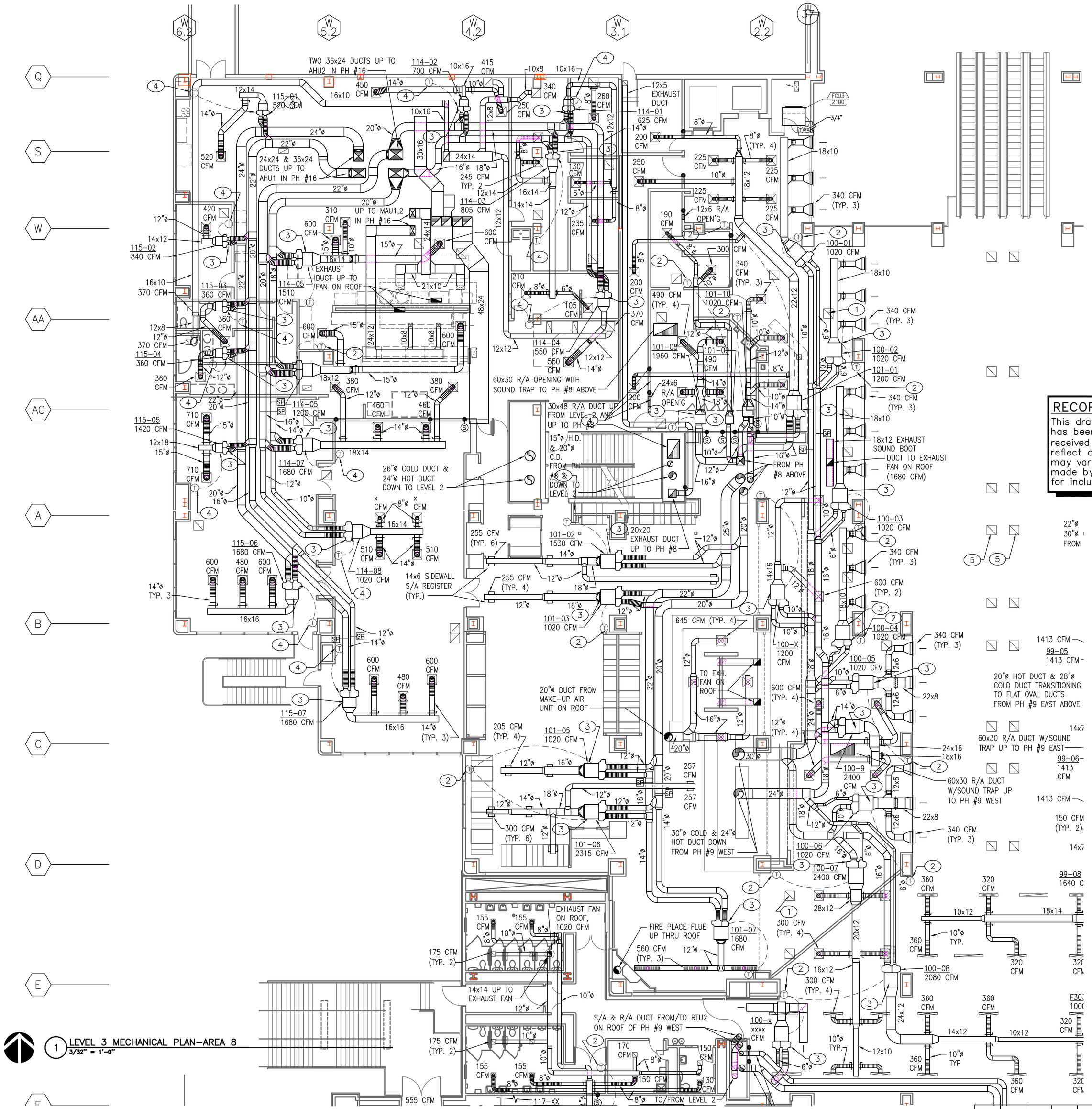
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
26–7259.11–08 / 725911	M–16	M3.17	20	124



1 LEVEL 3 MECHANICAL PLAN–AREA 8
3/32" = 1'-0"

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

5 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT, ABANDON IN PLACE IF INACCESSIBLE.

KEY PLAN–LEVEL 3 AREA 8
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION

Contractor
Work Started By Date
Inspector's Acceptance By Date
Verification By Date
Drawings Corrected By Date

MICRO–FILM INFORMATION

Recorded By Date
No.

BENCH MARKS

SURVEY INFORMATION

No.	Field Notes By	Date

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR–LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
		DESIGN	Designed By: PL Date: 06/15/07
			Drawn By: CGA Date: 06/15/07
			Checked By: PL Date: 06/15/07

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

26–725259.11–08

City Project No. 725911 | Zone Map No. M–16 | Drawing No. M3.18 | Sheet 21 | Of 124

2	6	–	7	2	5	9	.	1	1	–	0	8

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.19	22	124

Design Review Committee	City Engineer Approval	Last Design Update

TITLE: MECHANICAL FLOOR PLAN – THIRD LEVEL

ALBUQUERQUE INTERNATIONAL SUNPORT MECHANICAL AND ELECTRICAL UPGRADES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4645

KEY PLAN–LEVEL 3 AREA 7
SCALE: NONE

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

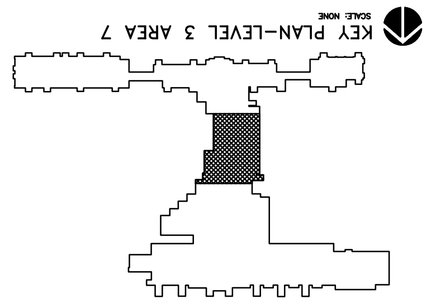
C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

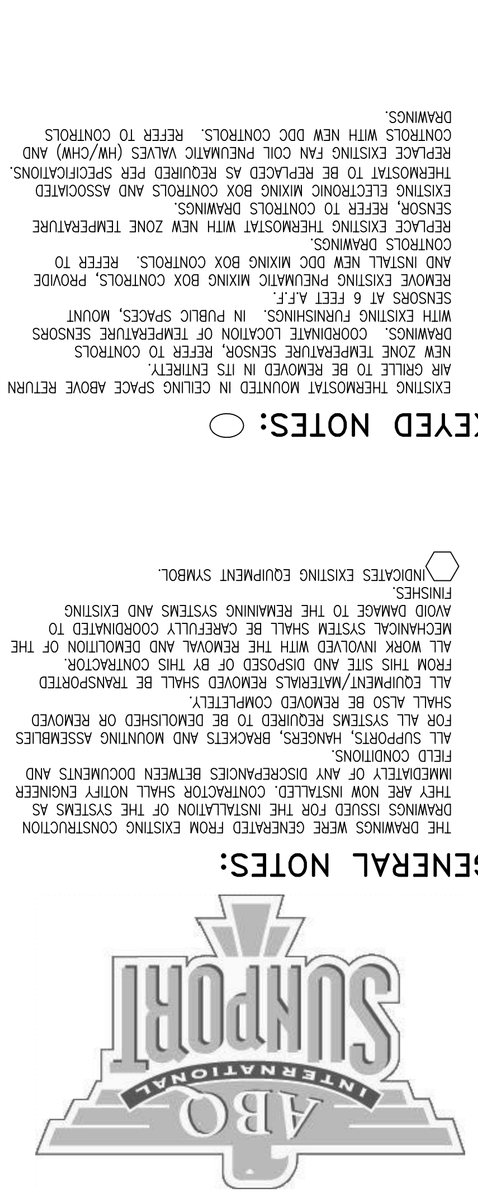
D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES:

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.
2 NEW ZONE TEMPERATURE SENSOR. REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.
3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS. PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.
4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.
5 EXISTING ELECTRONIC MIXING BOX CONTROLS AND ASSOCIATED THERMOSTAT TO BE REPLACED AS REQUIRED PER SPECIFICATIONS.
6 REPLACE EXISTING FAN COIL PNEUMATIC VALVES (HW/CHW) AND CONTROLS WITH NEW DDC CONTROLS. REFER TO CONTROLS DRAWINGS.





No.	Date	By	Field Notes

SURVEY INFORMATION

No.	Date	By	Remarks

REVISIONS

BENCH MARKS

AS BUILT INFORMATION

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

ENGINEER'S STAMP & SIGNATURE

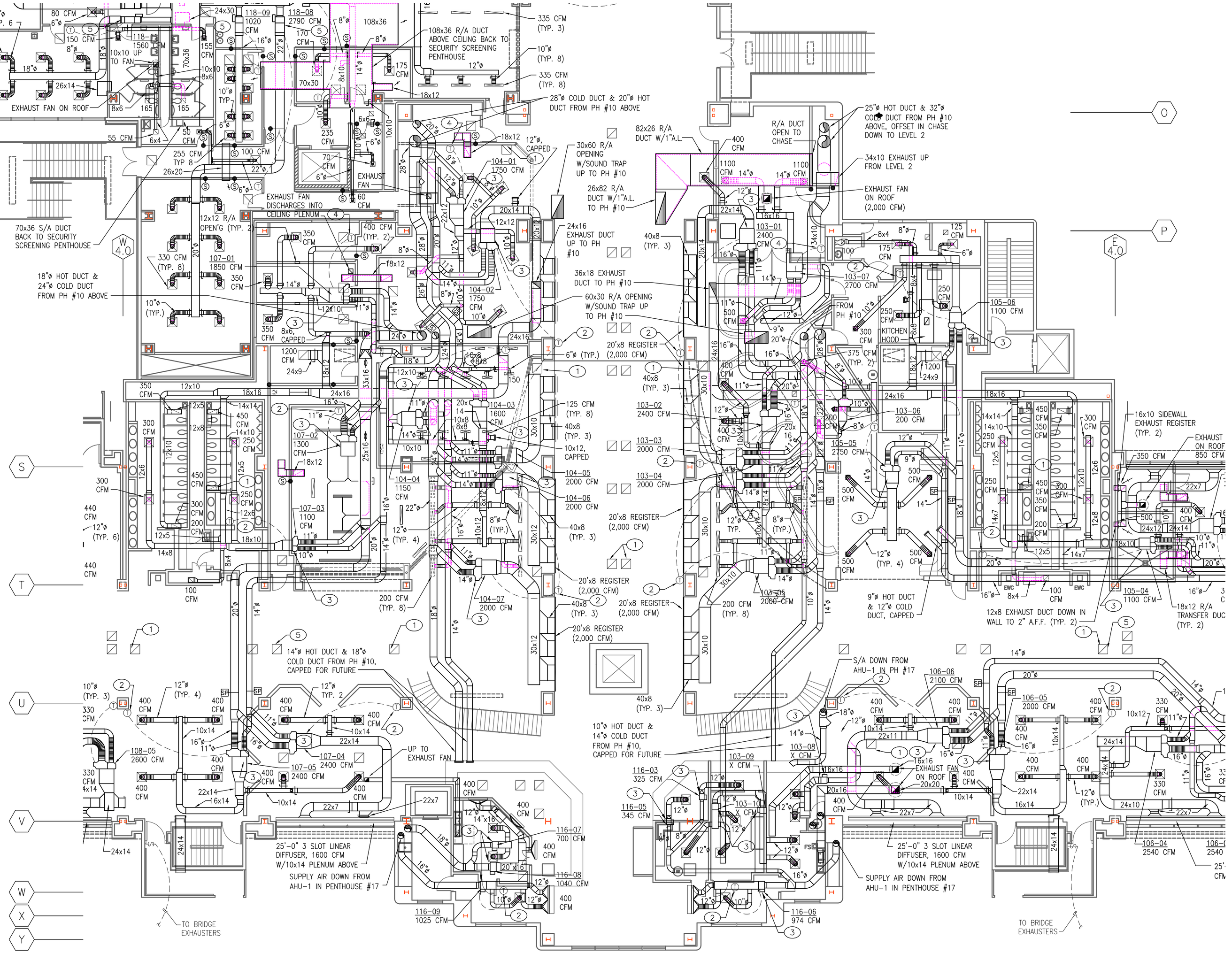
M. SALAZAR–LENTINI
NEW MEXICO
14259
REGISTERED PROFESSIONAL ENGINEER

DESIGN

Designed By:	PL
Drawn By:	CGA
Checked By:	PL
Date:	06/15/07
Date:	06/15/07
Date:	06/15/07

Contractor
Work Supervisor By
Inspector's
Acceptance By
Date
Verification By
Date
Corrected By
Date
Recorded By
Date
No.

MICRO–FILM INFORMATION



KEY PLAN–LEVEL 3 AREA 3
SCALE: NONE

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

5 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT, ABANDON IN PLACE IF INACCESSIBLE.

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

1 LEVEL 3 MECHANICAL PLAN–AREA 3
3/32" = 1'-0"

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI
NEW MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Designed By: PL	Date: 06/15/07
		Drawn By: CGA	Date: 06/15/07
		Checked By: PL	Date: 06/15/07

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

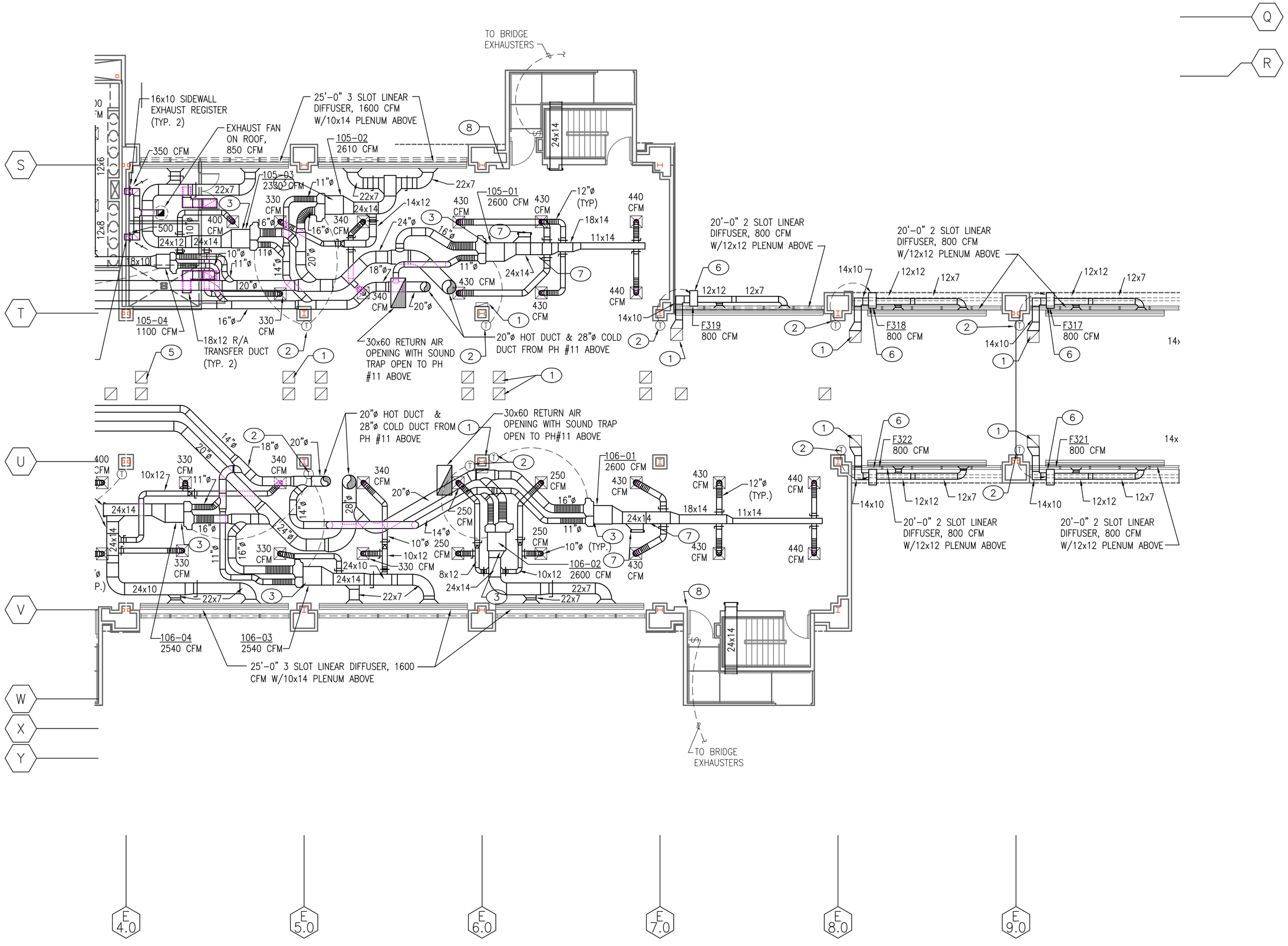
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.20	23	124

2 6 – 7 2 5 9 . 1 1 – 0 8



1 LEVEL 3 MECHANICAL PLAN–AREA 4
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

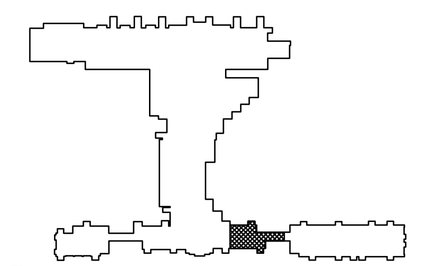
C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.
2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.
3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.
4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.
5 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT, ABANDON IN PLACE IF INACCESSIBLE.
6 REPLACE EXISTING FAN COIL PNEUMATIC VALVES (HW/CHW) AND CONTROLS WITH NEW DDC CONTROLS. REFER TO CONTROLS DRAWINGS.
7 REMOVE ELECTRIC/PNEUMATIC DAMPER OPERATOR, ASSOCIATED WIRING, TUBING AND DUCTWORK. SEAL AIRTIGHT.
8 REMOVE EXISTING MANUAL SWITCH REPLACE WITH STAINLESSSTEEL COVER PLATE.



KEY PLAN–LEVEL 3 AREA 4
SCALE: NONE

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 • FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes By / Date
No.

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI
NEW MEXICO 14255
REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Date: 06/15/07	Designed By: PL
		Date: 06/15/07	Drawn By: CGA
		Date: 06/15/07	Checked By: PL

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

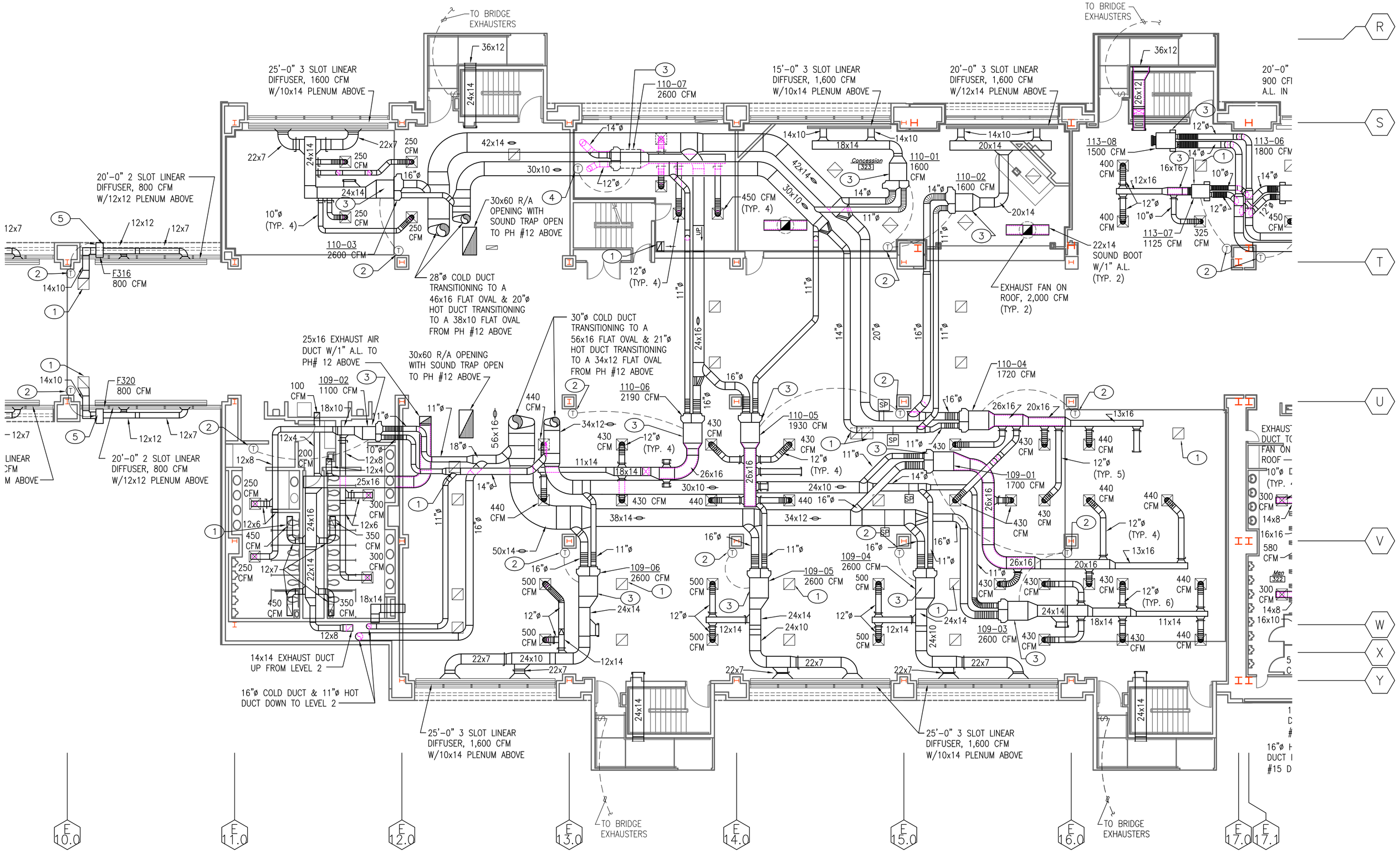
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.21	24	124

2 6 – 7 2 5 9 . 1 1 – 0 8



1 LEVEL 3 MECHANICAL PLAN–AREA 5
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

5 REPLACE EXISTING FAN COIL PNEUMATIC VALVES (HW/CHW) AND CONTROLS WITH NEW DDC CONTROLS. REFER TO CONTROLS DRAWINGS.

KEY PLAN–LEVEL 3 AREA 5
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI
NEW MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	By	Remarks
DESIGN			Designed By: PL Date: 06/15/07
			Drawn By: CGA Date: 06/15/07
			Checked By: PL Date: 06/15/07

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

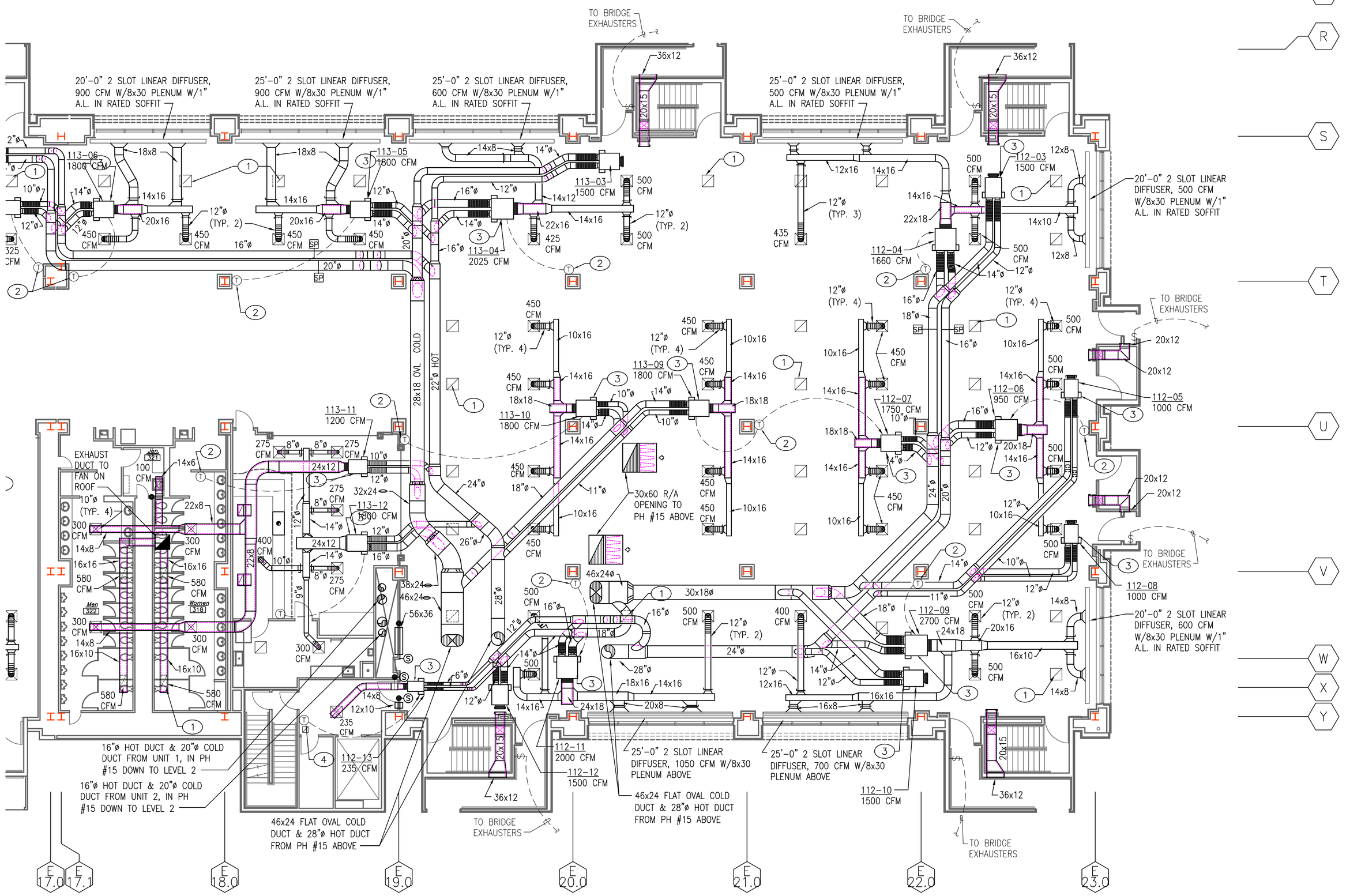
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.22	25	124

26–725911.11–08



1 LEVEL 3 MECHANICAL PLAN–AREA 6
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

KEY PLAN–LEVEL 3 AREA 6
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION

	Date
Contractor	
Work Started By	
Inspector's Acceptance By	Date
Field Verification By	Date
Drawings Corrected By	Date

MICRO-FILM INFORMATION

	Date
Recorded By	
No.	

BENCH MARKS

SURVEY INFORMATION

No.	By	Date	Field Notes

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Date: 06/15/07	
Designed By: PL		Date: 06/15/07	
Drawn By: CGA		Date: 06/15/07	
Checked By: PL			

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

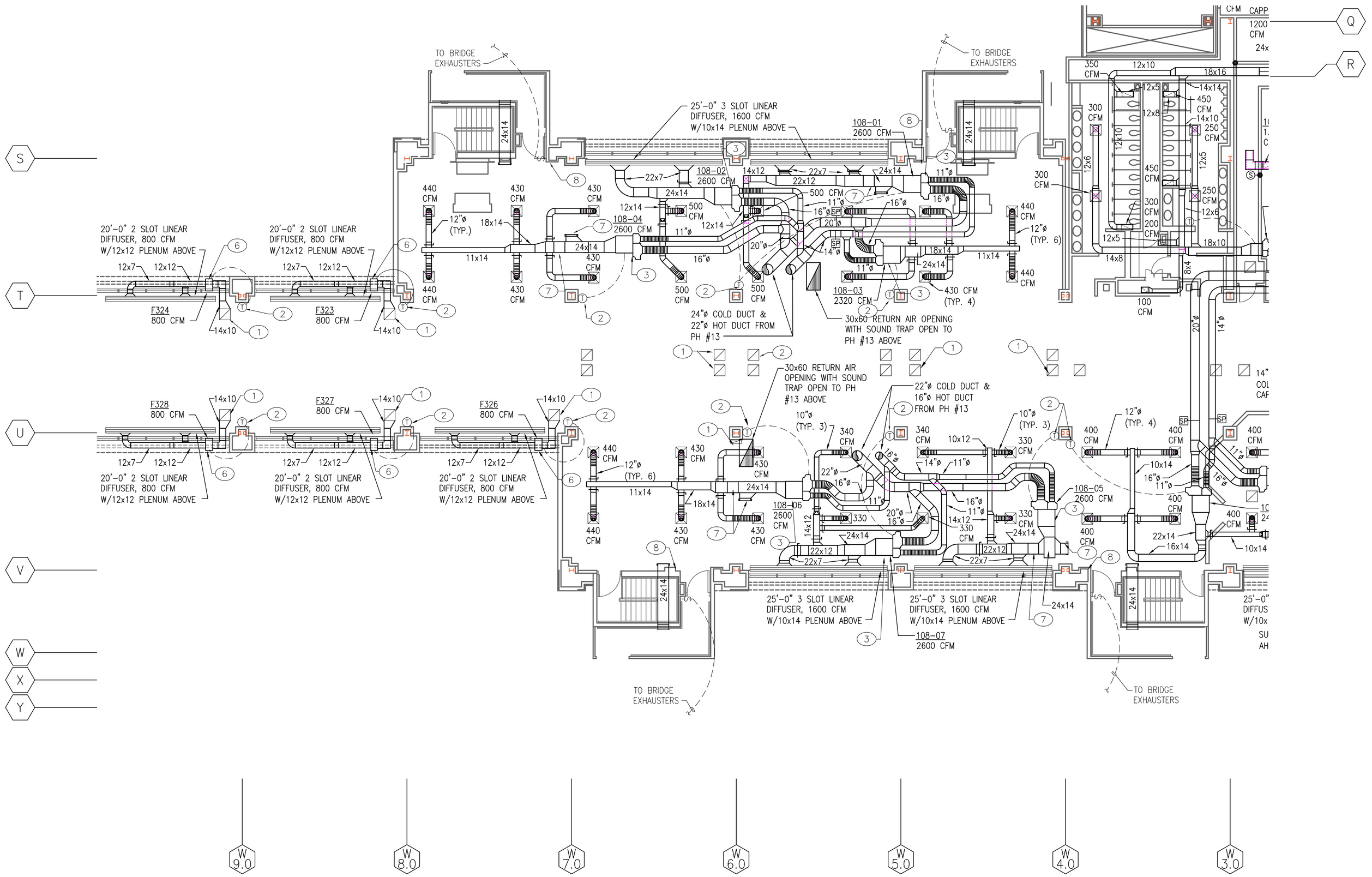
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

2	6	–	7	2	5	9	.	1	1	–	0	8

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.22A	26	124



1 LEVEL 3 MECHANICAL PLAN–AREA 2
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

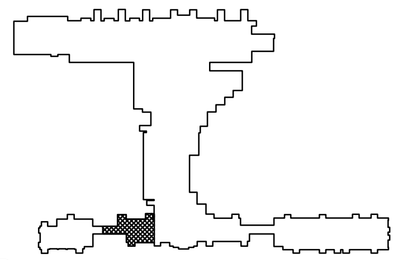
C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.
2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.
3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.
4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.
5 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT, ABANDON IN PLACE IF INACCESSIBLE.
6 REPLACE EXISTING FAN COIL PNEUMATIC VALVES (HW/CHW) AND CONTROLS WITH NEW DDC CONTROLS. REFER TO CONTROLS DRAWINGS.
7 REMOVE ELECTRIC/PNEUMATIC DAMPER OPERATOR, ASSOCIATED WIRING, TUBING AND DUCTWORK. SEAL AIRTIGHT.
8 REMOVE EXISTING MANUAL SWITCH REPLACE WITH STAINLESSSTEEL COVER PLATE



KEY PLAN–LEVEL 3 AREA 2
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor — Date
Work Started By — Date
Inspector's Acceptance By — Date
Field Verification By — Date
Drawings Corrected By — Date
MICRO-FILM INFORMATION
Recorded By — Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | Date | By

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI — NEW MEXICO — 14255 — REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
		DESIGN	
		Designed By: PL	Date: 06/15/07
		Drawn By: CGA	Date: 06/15/07
		Checked By: PL	Date: 06/15/07

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

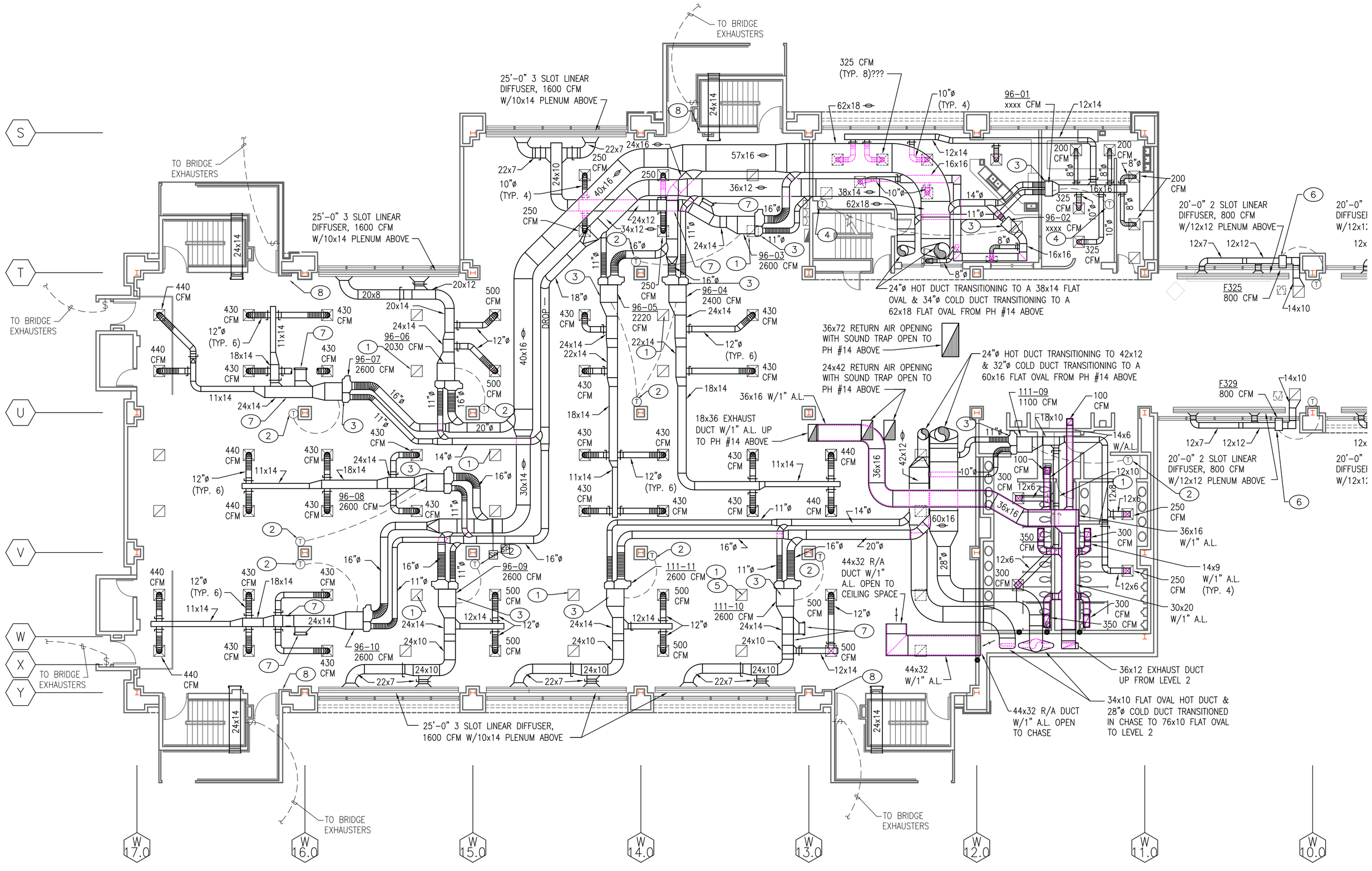
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.23	27	124

2 6 – 7 2 5 9 . 1 1 – 0 8



1 LEVEL 3 MECHANICAL PLAN–AREA 1
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

5 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT, ABANDON IN PLACE IF INACCESSIBLE.

6 REPLACE EXISTING FAN COIL PNEUMATIC VALVES (HW/CHW) AND CONTROLS WITH NEW DDC CONTROLS. REFER TO CONTROLS DRAWINGS.

7 REMOVE ELECTRIC/PNEUMATIC DAMPER OPERATOR, ASSOCIATED WIRING, TUBING AND DUCTWORK. SEAL AIRTIGHT.

8 REMOVE EXISTING MANUAL SWITCH REPLACE WITH STAINLESSSTEEL COVER PLATE

KEY PLAN–LEVEL 3 AREA 1
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes By / Date
No.

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI
NEW MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

No.	Date	Remarks	By
		REVISIONS	
		DESIGN	

Designed By: PL Date: 06/15/07
Drawn By: CGA Date: 06/15/07
Checked By: PL Date: 06/15/07

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

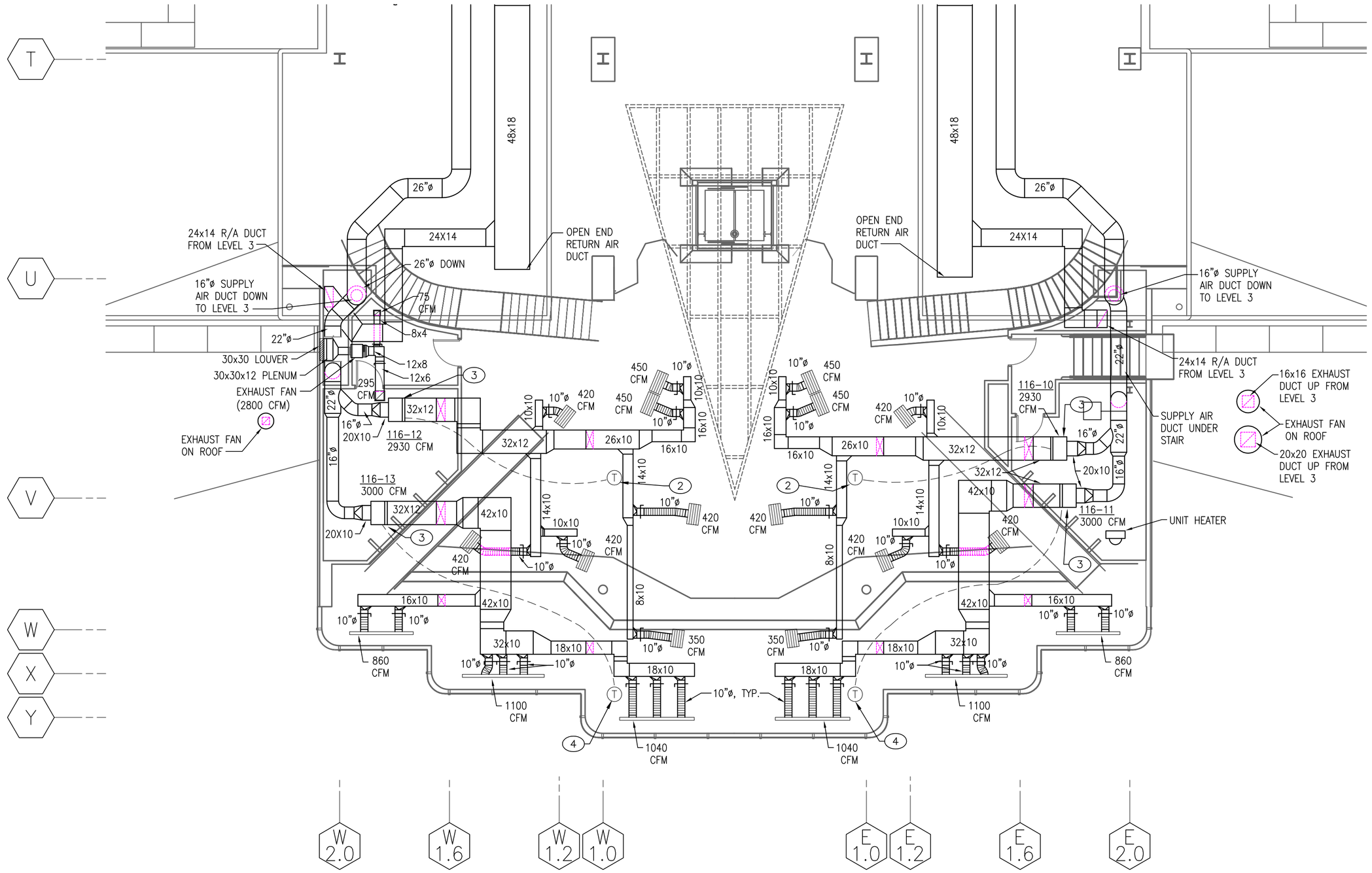
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

2 6 – 7 2 5 9 . 1 1 – 0 8

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.24	28	124



1 LEVEL 4 MECHANICAL PLAN–AREA 1
1/8" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING THERMOSTAT MOUNTED IN CEILING SPACE ABOVE RETURN AIR GRILLE TO BE REMOVED IN ITS ENTIRETY.

2 NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS. COORDINATE LOCATION OF TEMPERATURE SENSORS WITH EXISTING FURNISHINGS. IN PUBLIC SPACES, MOUNT SENSORS AT 6 FEET A.F.F.

3 REMOVE EXISTING PNEUMATIC MIXING BOX CONTROLS, PROVIDE AND INSTALL NEW DDC MIXING BOX CONTROLS. REFER TO CONTROLS DRAWINGS.

4 REPLACE EXISTING THERMOSTAT WITH NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROLS DRAWINGS.

KEY PLAN–LEVEL 4 AREA 1
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Completed By / Date

MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes By / Date
No.

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW M.E.XICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Date: 06/15/07	
Designed By: PL		Date: 06/15/07	
Drawn By: CGA		Date: 06/15/07	
Checked By: PL			

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

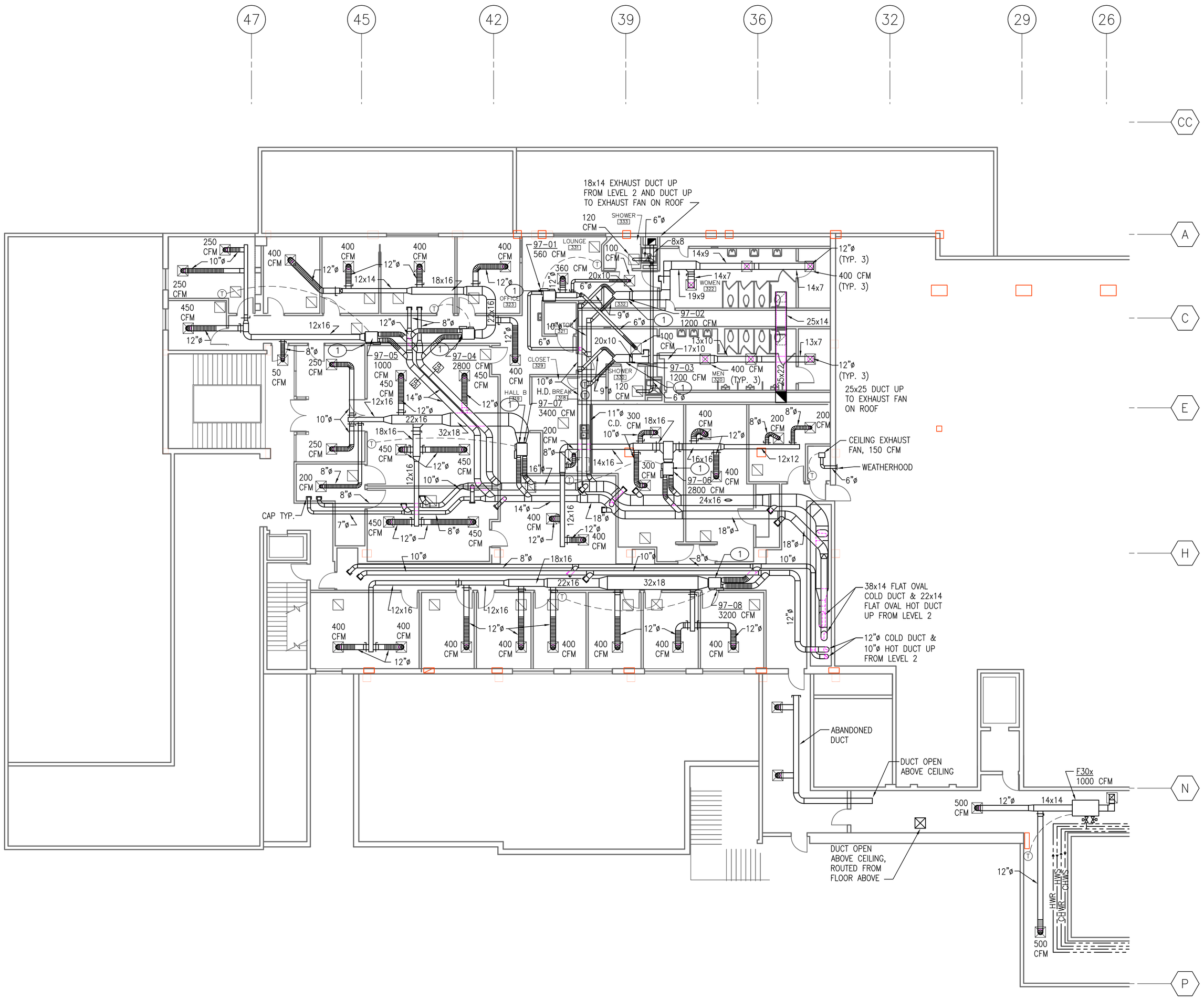
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL FLOOR PLAN – FOURTH LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

2	6	–	7	2	5	9	.	1	1	–	0	8

City Project No. 725911 | Zone Map No. M–16 | Drawing No. M3.25 | Sheet 29 | Of 124



1 LEVEL 3 MECHANICAL PLAN–AREA 10
3/32" = 1'-0"

GENERAL NOTES:

A THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.

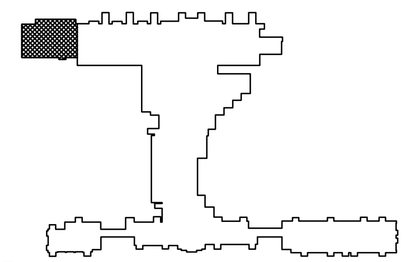
C ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.

D ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

E ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1 EXISTING ELECTRONIC MIXING BOX CONTROLS AND ASSOCIATED THERMOSTAT TO BE REPLACED AS REQUIRED PER SPECIFICATIONS.



KEY PLAN–LEVEL 3 AREA 10
SCALE: NONE

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

BENCH MARKS

MICRO–FILM INFORMATION
Recorded By / Date
No.

SURVEY INFORMATION
Field Notes By / Date
No.

ENGINEER'S STAMP & SIGNATURE

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Date:06/15/07	Designed By: PL
		Date:06/15/07	Drawn By: CGA
		Date:06/15/07	Checked By: PL

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

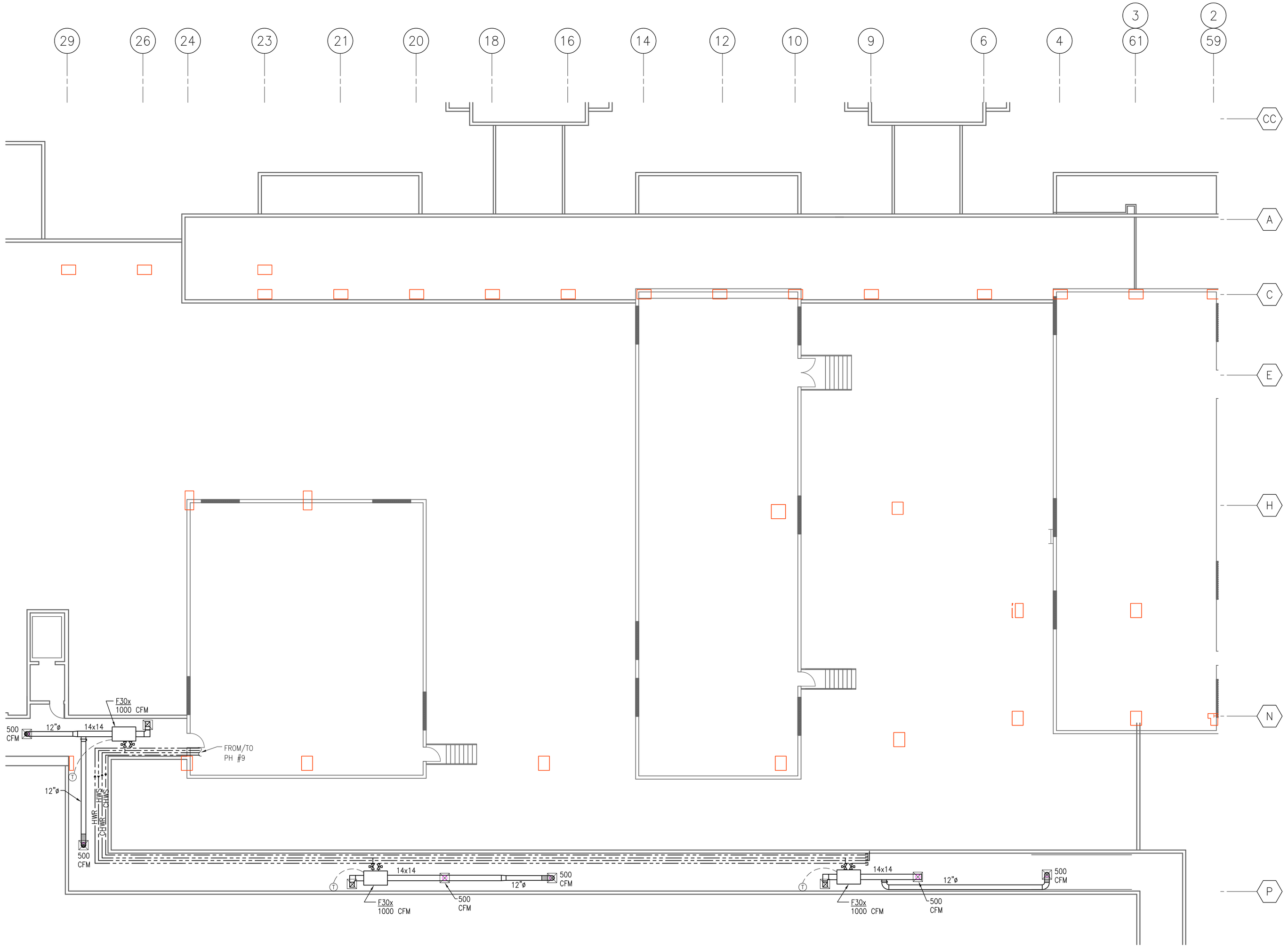
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.26	30	124

2 6 – 7 2 5 9 . 1 1 – 0 8



1 LEVEL 3 MECHANICAL PLAN–AREA 11
3/32" = 1'-0"

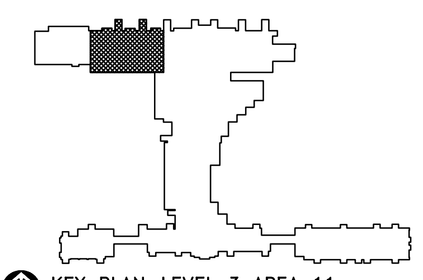
GENERAL NOTES:

A. THESE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS AND FIELD VERIFICATION. AREAS THAT WERE NOT PHYSICALLY ACCESSIBLE ARE NOTED AND AS–BUILTS FOR THESE AREAS ARE AS COMPLETE AS POSSIBLE.

B. DUCT DIMENSIONS ARE SHEET METAL (OUTSIDE) DIMENSIONS UNLESS NOTED OTHERWISE.

KEYED NOTES:

1 XXX



KEY PLAN–LEVEL 3 AREA 11
SCALE: NONE

ASCG
INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
By / Date
No.

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR–LENTINI
NEW MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Designed By: PL	Date: 06/15/07
		Drawn By: CGA	Date: 06/15/07
		Checked By: PL	Date: 06/15/07

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

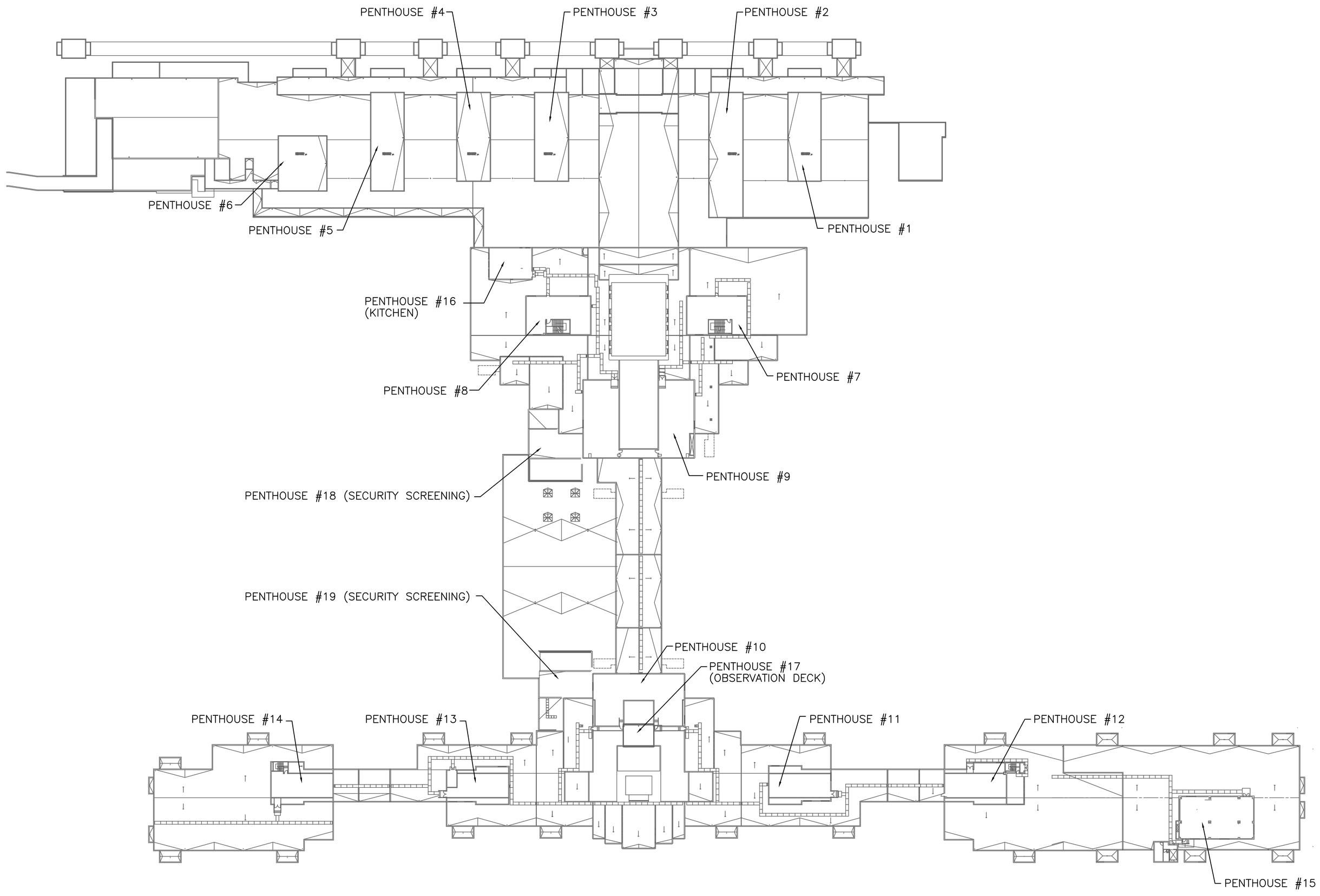
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL FLOOR PLAN – THIRD LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M3.27	31	124

26–7259.11–08



1 PENTHOUSE LOCATION PLAN
SCALE: NONE

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date

MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI
NEW MEXICO
14255
REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Date: 06/15/07	Designed By: PL
		Date: 06/15/07	Drawn By: CGA
		Date: 06/15/07	Checked By: PL

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 - FAX 505.242.4845

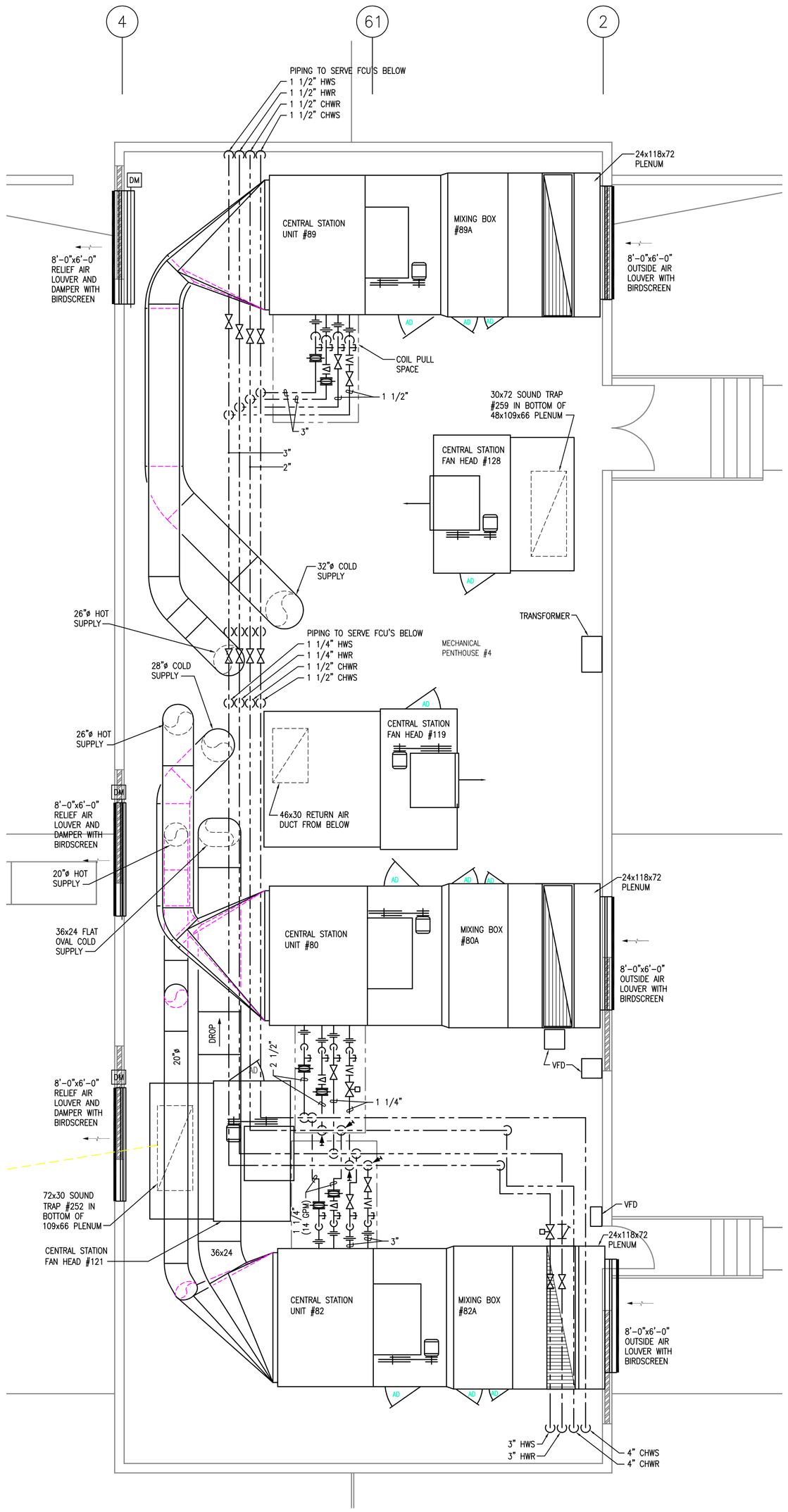
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
PENTHOUSE LOCATION PLAN

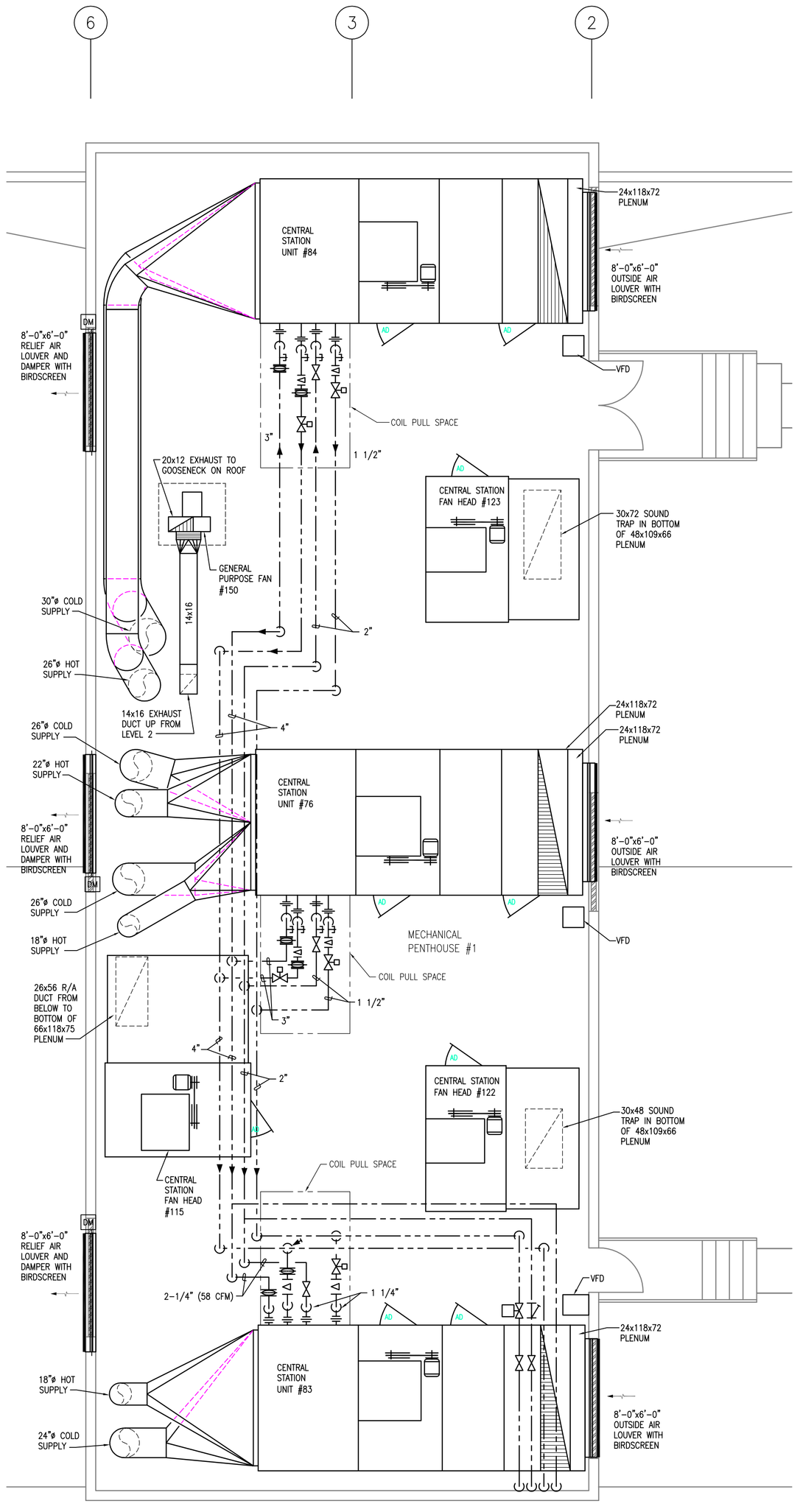
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	M4.00	32	124

26-7259.11-08



2 MECHANICAL PLAN – PENTHOUSE #4
3/32" = 1'-0"



1 MECHANICAL PLAN – PENTHOUSE #1
3/16" = 1'-0"

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ABQ INTERNATIONAL SUNPORT

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES:

1. REMOVE PENTHOUSE IN-LINE PUMPS. PROVIDE PIPING IN PLACE OF PUMP, SIZED TO MATCH EXISTING PIPING.
2. REPLACE EXISTING CONTROLLER WITH NEW CONTROLER. SEE CONTROLS SHEETS.
3. REMOVE EXISTING VFD. PROVIDE AND INSTALL 1 SUPPLY FAN VFD AND 1 RETURN FAN VFD. LABEL EACH VFD ('SUPPLY FAN' OR 'RETURN FAN'). VERIFY EXISTING HORSEPOWERS. SEE CONTROLS SHEETS.
4. PROVIDE 2-WAY VALVE. SEE DETAILS 1&2/M5.1. ALSO REFER TO CONTROLS SHEETS.
5. REMOVE EXISTING FLOW CONTROL ASSEMBLY (BRDG TNDR). REFER TO DETAIL 3/M5.1
6. REMOVE PNEUMATIC DAMPER OPERATOR AND REPLACE WITH ELECTRONIC. SEE CONTROL SHEET M6.1.
7. NEW VFD LOCATION. FIELD VERIFY PROPER MOUNTING CLEARANCES ARE AVAILABLE PRIOR TO INSTALLATION.

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes By / Date
No.

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Designed By: PL	Date: 08/15/096
		Drawn By: CGA	Date: 08/15/096
		Checked By: PL	Date: 08/15/096

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

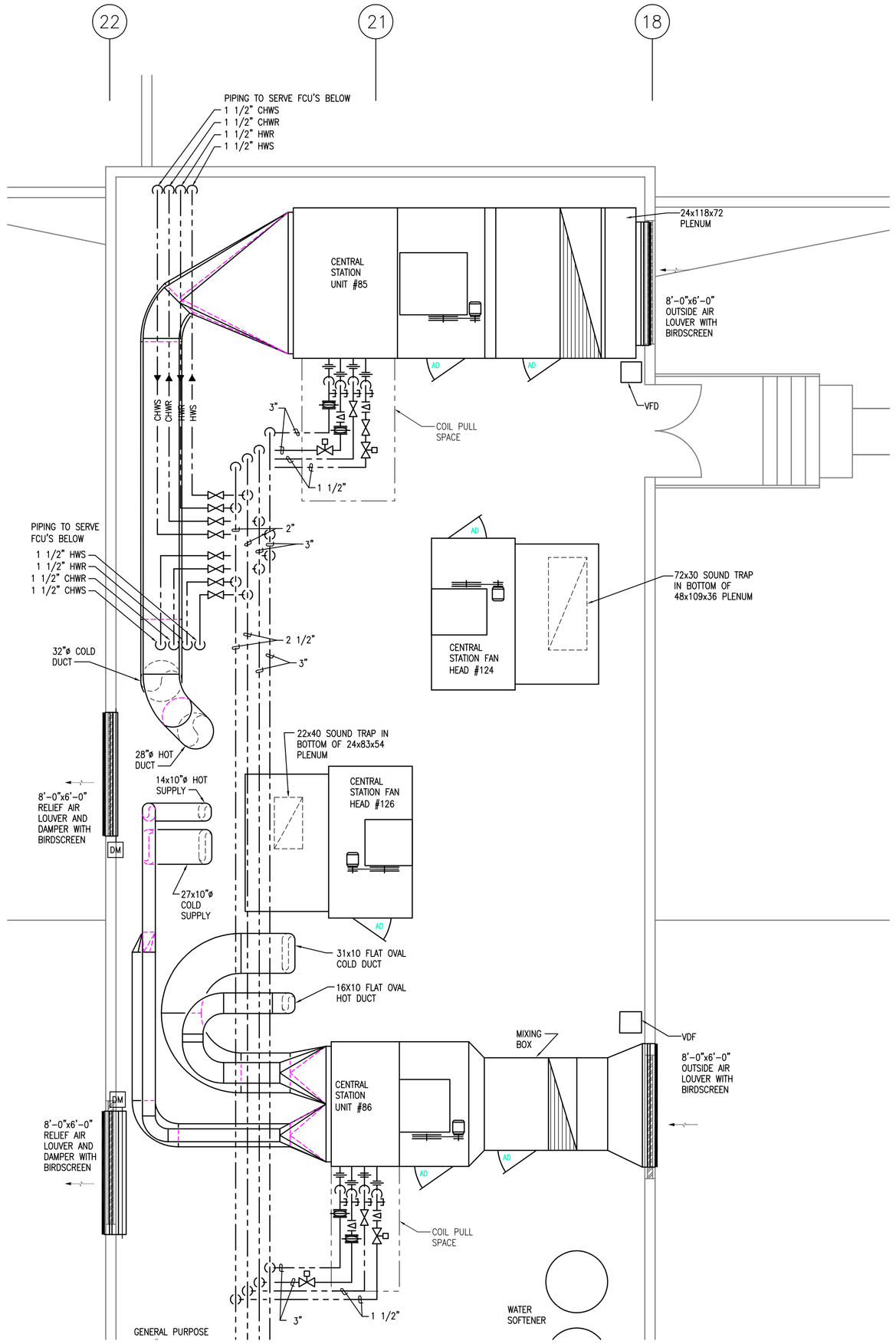
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

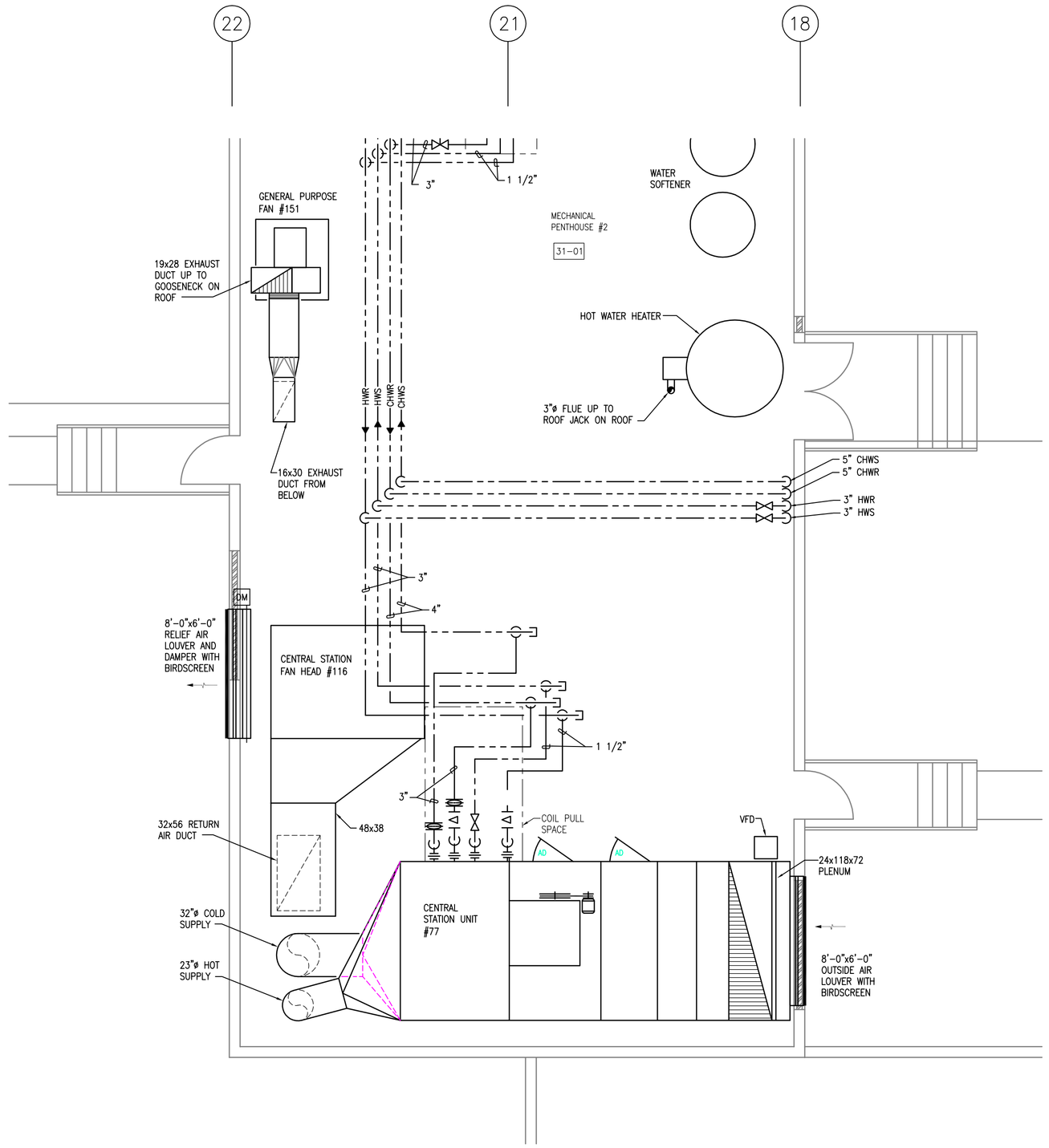
MECHANICAL PLAN – PH #1 & PH #4

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	M4.01	33	124

26-7259.11-08





1 MECHANICAL PLAN – PENTHOUSE #2
3/16" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. REMOVE PENTHOUSE IN-LINE PUMPS. PROVIDE PIPING IN PLACE OF PUMP, SIZED TO MATCH EXISTING PIPING.
2. REPLACE EXISTING CONTROLLER WITH NEW CONTROLER. SEE CONTROLS SHEETS.
3. REMOVE EXISTING VFD. PROVIDE AND INSTALL 1 SUPPLY FAN VFD AND 1 RETURN FAN VFD. LABEL EACH VFD ("SUPPLY FAN" OR "RETURN FAN"). VERIFY EXISTING HORSEPOWERS. SEE CONTROLS SHEETS.
4. PROVIDE 2-WAY VALVE. SEE DETAILS 1&2/M5.1. ALSO REFER TO CONTROLS SHEETS.
5. REMOVE EXISTING FLOW CONTROL ASSEMBLY (BRDG TNDR). REFER TO DETAIL 3/M5.1
6. REMOVE PNEUMATIC DAMPER OPERATOR AND REPLACE WITH ELECTRONIC. SEE CONTROL SHEET M6.1.
7. NEW VFD LOCATION. FIELD VERIFY PROPER MOUNTING CLEARANCES ARE AVAILABLE PRIOR TO INSTALLATION.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

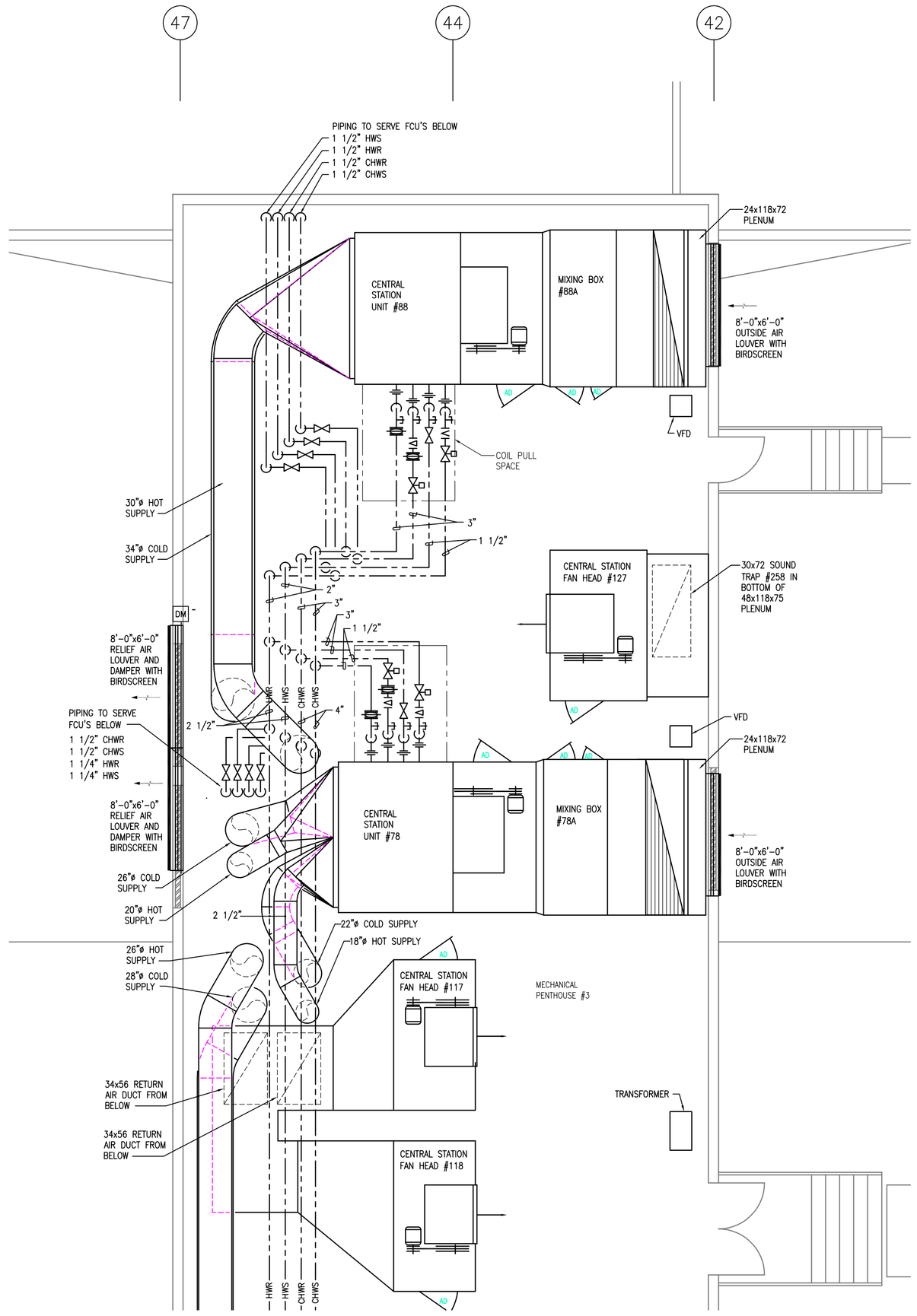
No.	Date	Remarks	By
DESIGN		Designed By: PL Drawn By: CGA Checked By: PL	Date: 08/15/2006 Date: 08/15/2006 Date: 08/15/2006

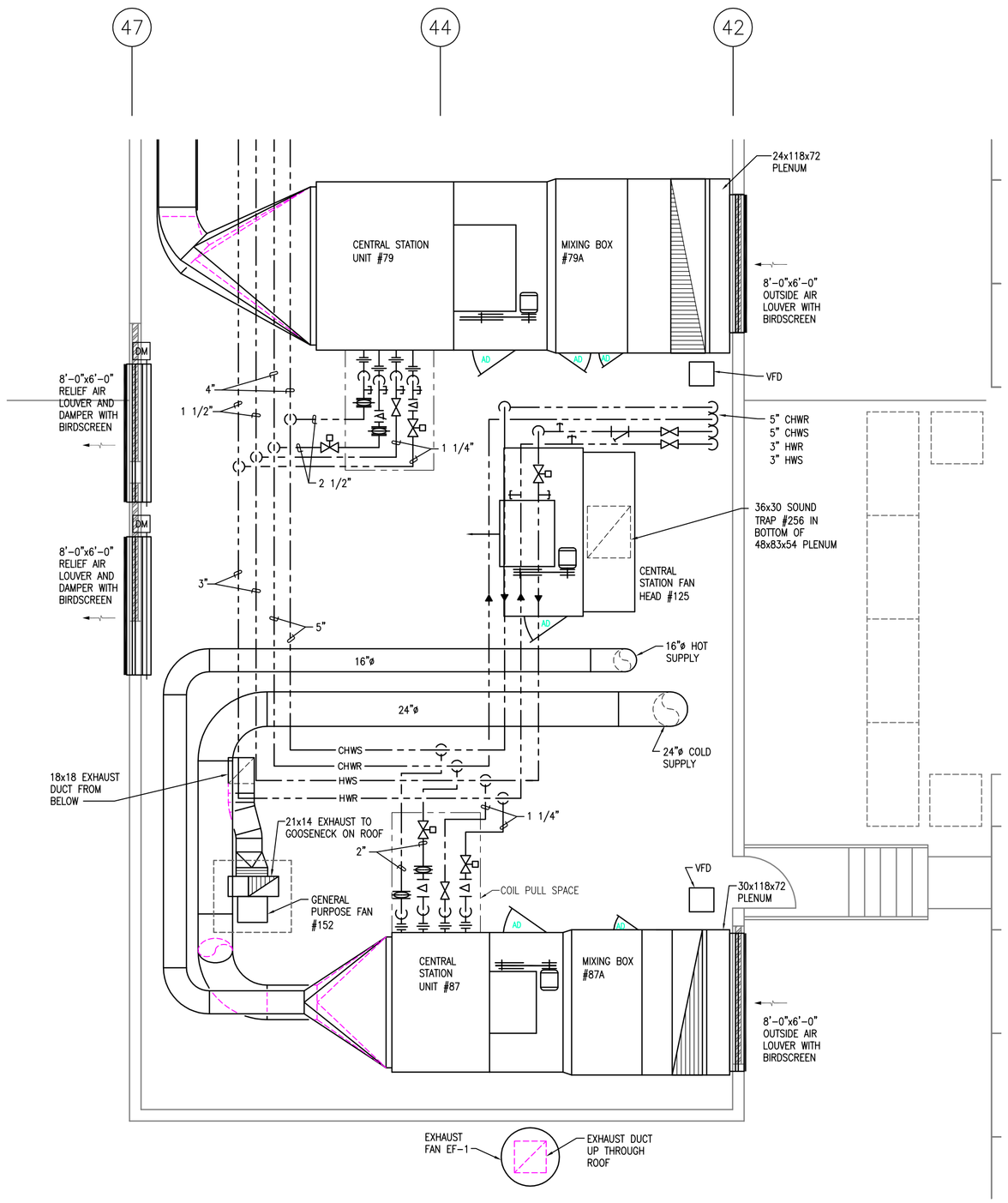
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – PENTHOUSE #2

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
26-7259.11-08 725911	M-16	M4.02	34	124





1 MECHANICAL PLAN – PENTHOUSE #3
3/16" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. REMOVE PENTHOUSE IN-LINE PUMPS. PROVIDE PIPING IN PLACE OF PUMP, SIZED TO MATCH EXISTING PIPING.
2. REPLACE EXISTING CONTROLLER WITH NEW CONTROLER. SEE CONTROLS SHEETS.
3. REMOVE EXISTING VFD. PROVIDE AND INSTALL 1 SUPPLY FAN VFD AND 1 RETURN FAN VFD. LABEL EACH VFD ('SUPPLY FAN' OR 'RETURN FAN'). VERIFY EXISTING HORSEPOWERS. SEE CONTROLS SHEETS.
4. PROVIDE 2-WAY VALVE. SEE DETAILS 1 & 2/M5.1. ALSO REFER TO CONTROLS SHEETS.
5. REMOVE EXISTING FLOW CONTROL ASSEMBLY (BRDG TNDR). REFER TO DETAIL 3/M5.1
6. REPLACE PNEUMATICE DAMPER OPERATOR WITH NEW ELECTRONIC OPERATOR. SEE CONTROLS SHEET M6.1.
7. NEW VFD LOCATION. FIELD VERIFY PROPER MOUNTING CLEARANCES ARE AVAILABLE PRIOR TO INSTALLATION.

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: PL — Date: 08/15/1996
Drawn By: CGA — Date: 08/15/1996
Checked By: PL — Date: 08/15/1996

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

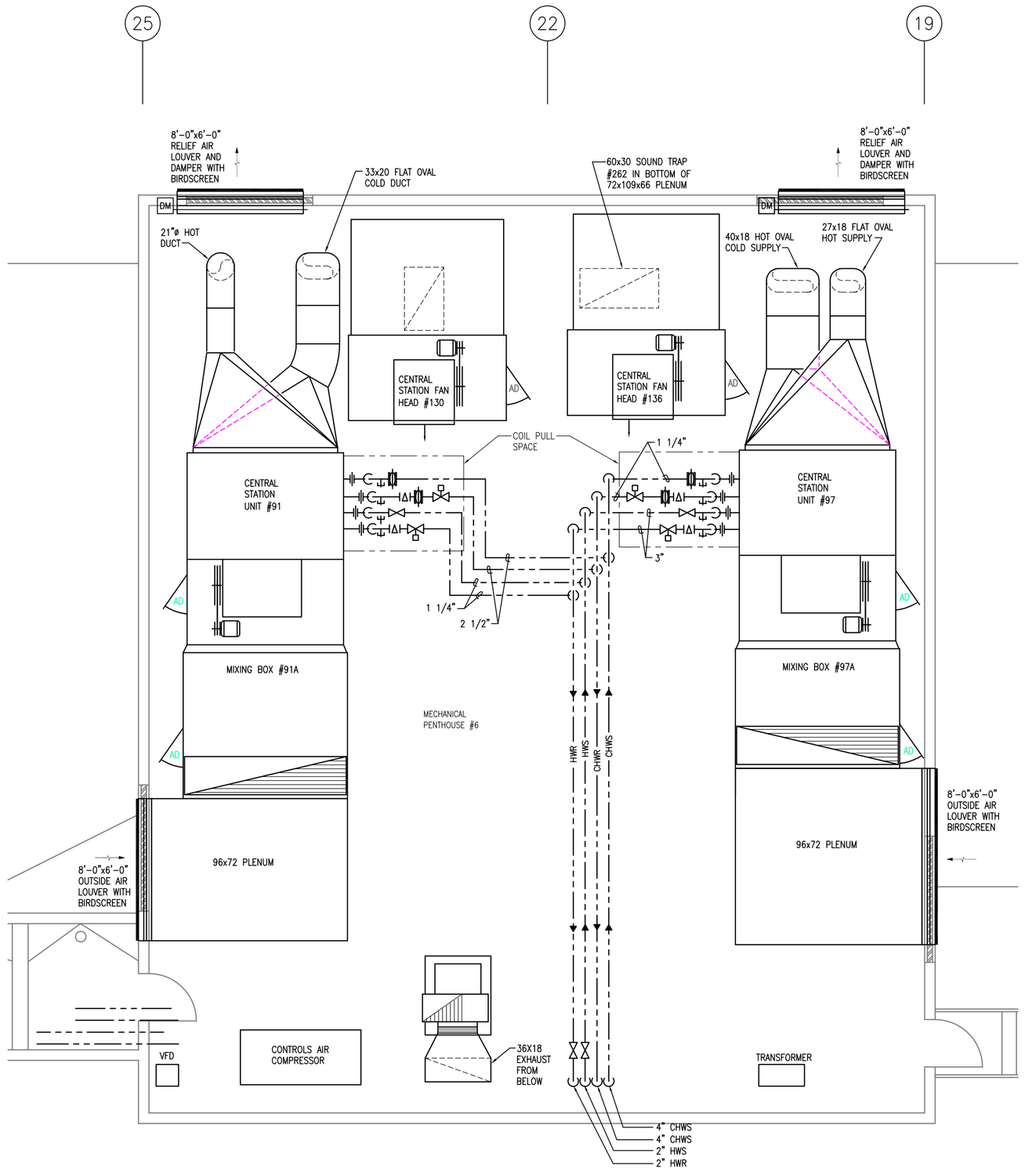
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – PENTHOUSE #3

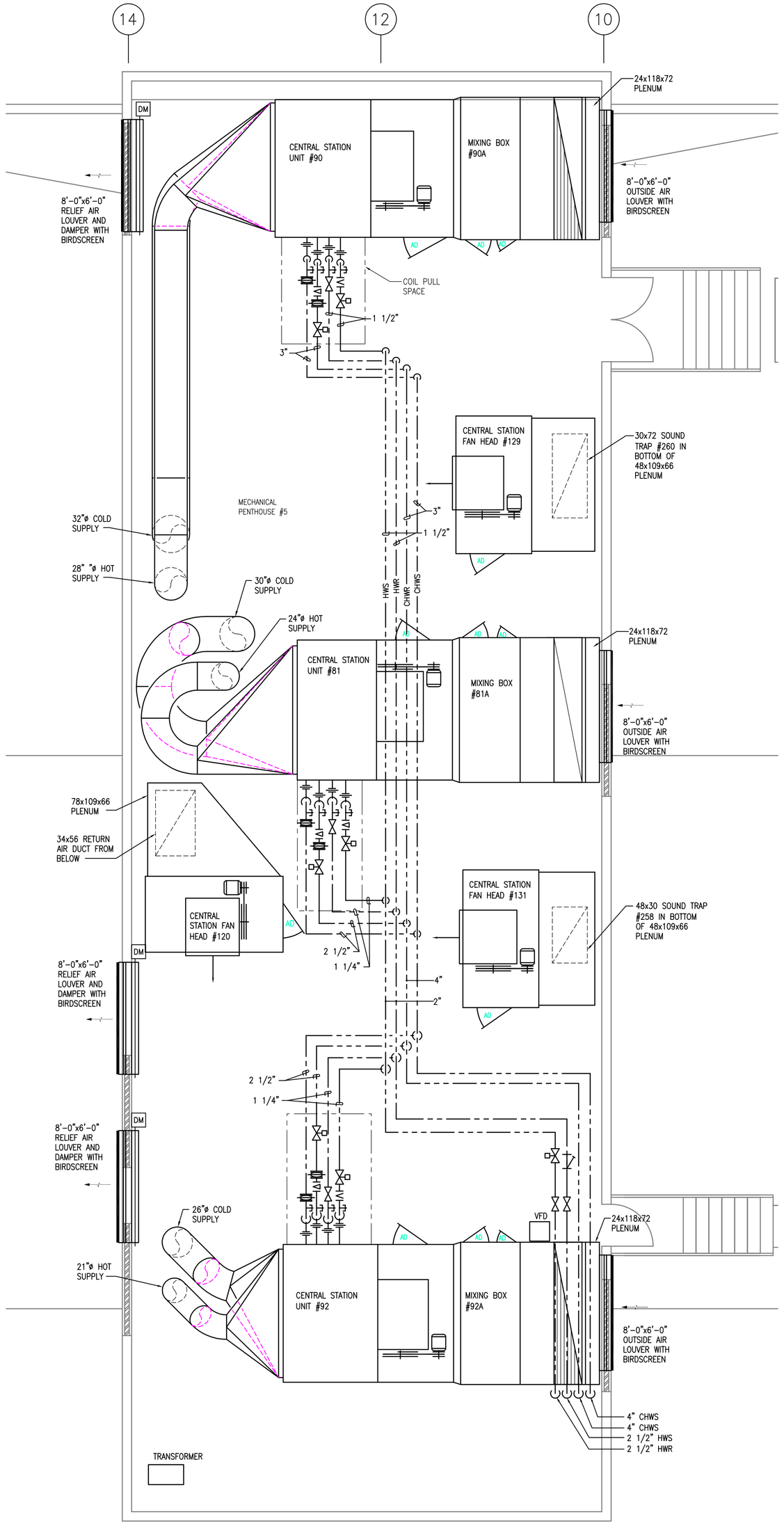
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	M4.03	35	124

2 6 – 7 2 5 9 . 1 1 – 0 8



2 MECHANICAL PLAN – PENTHOUSE #6
3/16" = 1'-0"



1 MECHANICAL PLAN – PENTHOUSE #5
3/16" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. REMOVE PENTHOUSE IN–LINE PUMPS. PROVIDE PIPING IN PLACE OF PUMP, SIZED TO MATCH EXISTING PIPING.
2. REPLACE EXISTING CONTROLLER WITH NEW CONTROLER. SEE CONTROLS SHEETS.
3. REMOVE EXISTING VFD. PROVIDE AND INSTALL 1 SUPPLY FAN VFD AND 1 RETURN FAN VFD. LABEL EACH VFD ('SUPPLY FAN' OR 'RETURN FAN'). VERIFY EXISTING HORSEPOWERS. SEE CONTROLS SHEETS.
4. PROVIDE 2–WAY VALVE. SEE DETAILS 1 & 2/M5.1. ALSO REFER TO CONTROLS SHEETS.
5. REMOVE EXISTING FLOW CONTROL ASSEMBLY (BRDG TNDR). REFER TO DETAIL 3/M5.1
6. REPLACE PNEUMATICE DAMPER OPERATOR WITH NEW ELECTRONIC OPERATOR. SEE CONTROLS SHEET M6.1.
7. NEW VFD LOCATION. FIELD VERIFY PROPER MOUNTING CLEARANCES ARE AVAILABLE PRIOR TO INSTALLATION.

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By Date
Inspector's Acceptance By Date
Field Verification By Date
Drawings Corrected By Date
MICRO–FILM INFORMATION
Recorded By Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. By Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR–LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS
No. Date Remarks By
DESIGN
Designed By: PL Date: 08/15/06
Drawn By: CGA Date: 08/15/06
Checked By: PL Date: 08/15/06

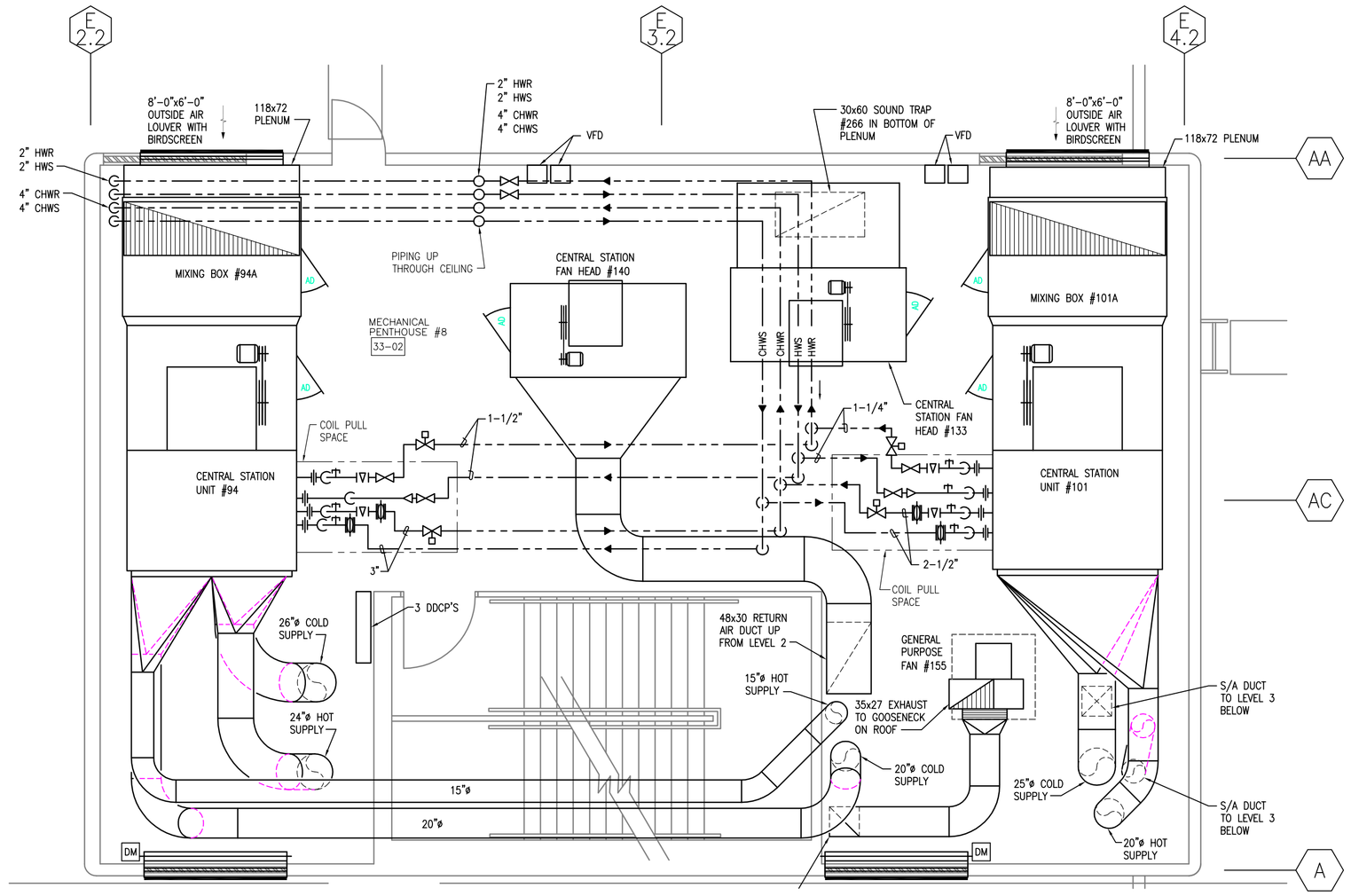
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – PH #5 & PH #6

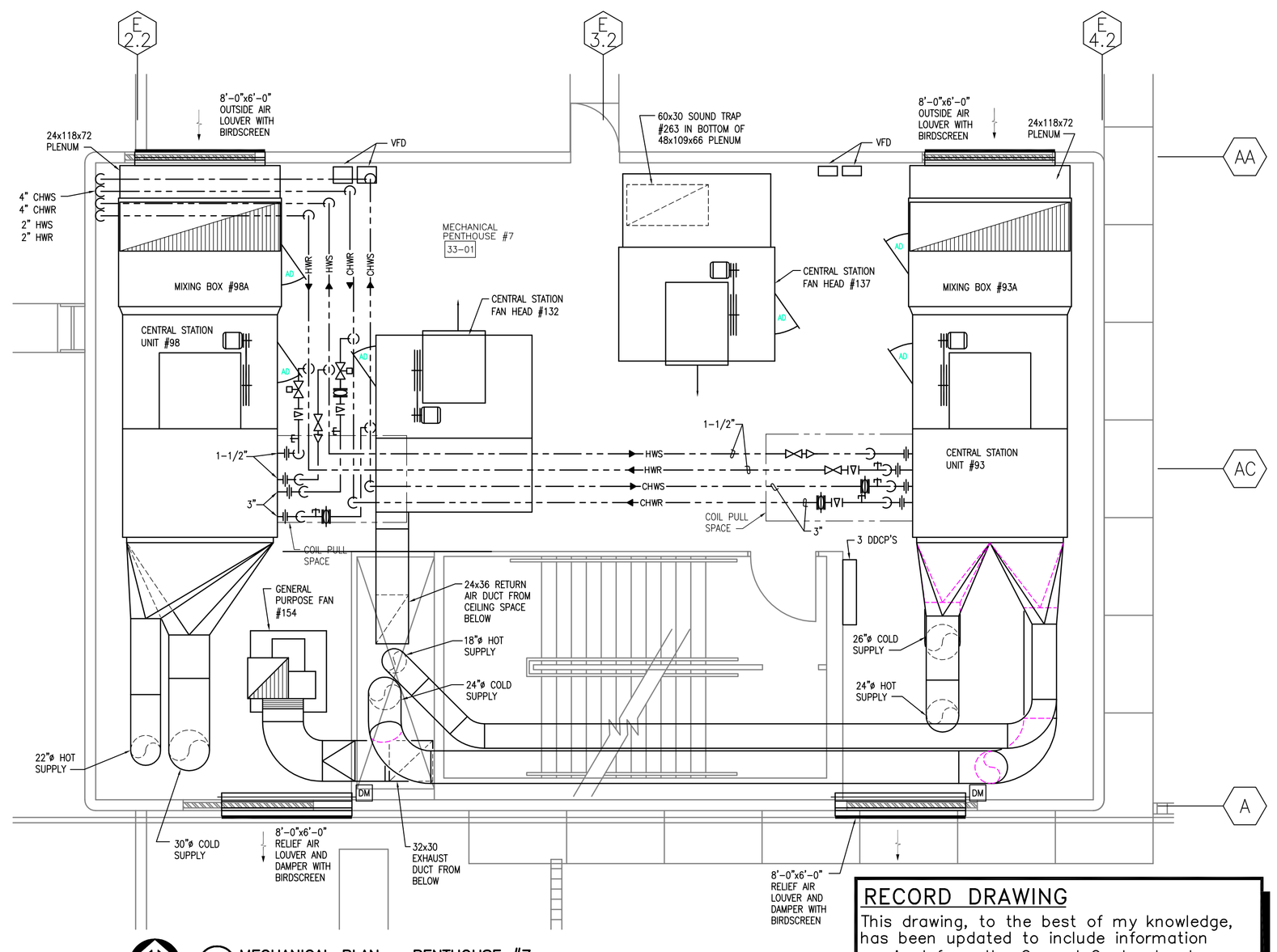
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M4.04	36	124

26–7259.11–08



2 MECHANICAL PLAN – PENTHOUSE #8
3/16" = 1'-0"



1 MECHANICAL PLAN – PENTHOUSE #7
3/16" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. REMOVE PENTHOUSE IN–LINE PUMPS. PROVIDE PIPING IN PLACE OF PUMP, SIZED TO MATCH EXISTING PIPING.
2. REPLACE EXISTING CONTROLLER WITH NEW CONTROLER. SEE CONTROLS SHEETS.
3. REMOVE EXISTING VFD. PROVIDE AND INSTALL 1 SUPPLY FAN VFD AND 1 RETURN FAN VFD. LABEL EACH VFD ('SUPPLY FAN' OR 'RETURN FAN'). VERIFY EXISTING HORSEPOWERS. SEE CONTROLS SHEETS
4. PROVIDE 2–WAY VALVE. SEE DETAILS 1 & 2/M5.1. ALSO REFER TO CONTROLS SHEETS.
5. REMOVE EXISTING FLOW CONTROL ASSEMBLY (BRDG TNDR). REFER TO DETAIL 3/M5.1
6. REPLACE PNEUMATIC DAMPER OPERATOR WITH NEW ELECTRONIC OPERATOR. SEE CONTROLS SHEET M6.1.
7. NEW VFD LOCATION. FIELD VERIFY PROPER MOUNTING CLEARANCES ARE AVAILABLE PRIOR TO INSTALLATION.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor — Date
Work Started By — Date
Inspector's Acceptance By — Date
Final Verification By — Date
Drawings Corrected By — Date
MICRO–FILM INFORMATION
Recorded By — Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR–LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Date: 08/15/06	Designed By: PL
		Date: 08/15/06	Drawn By: CGA
		Date: 08/15/06	Checked By: PL

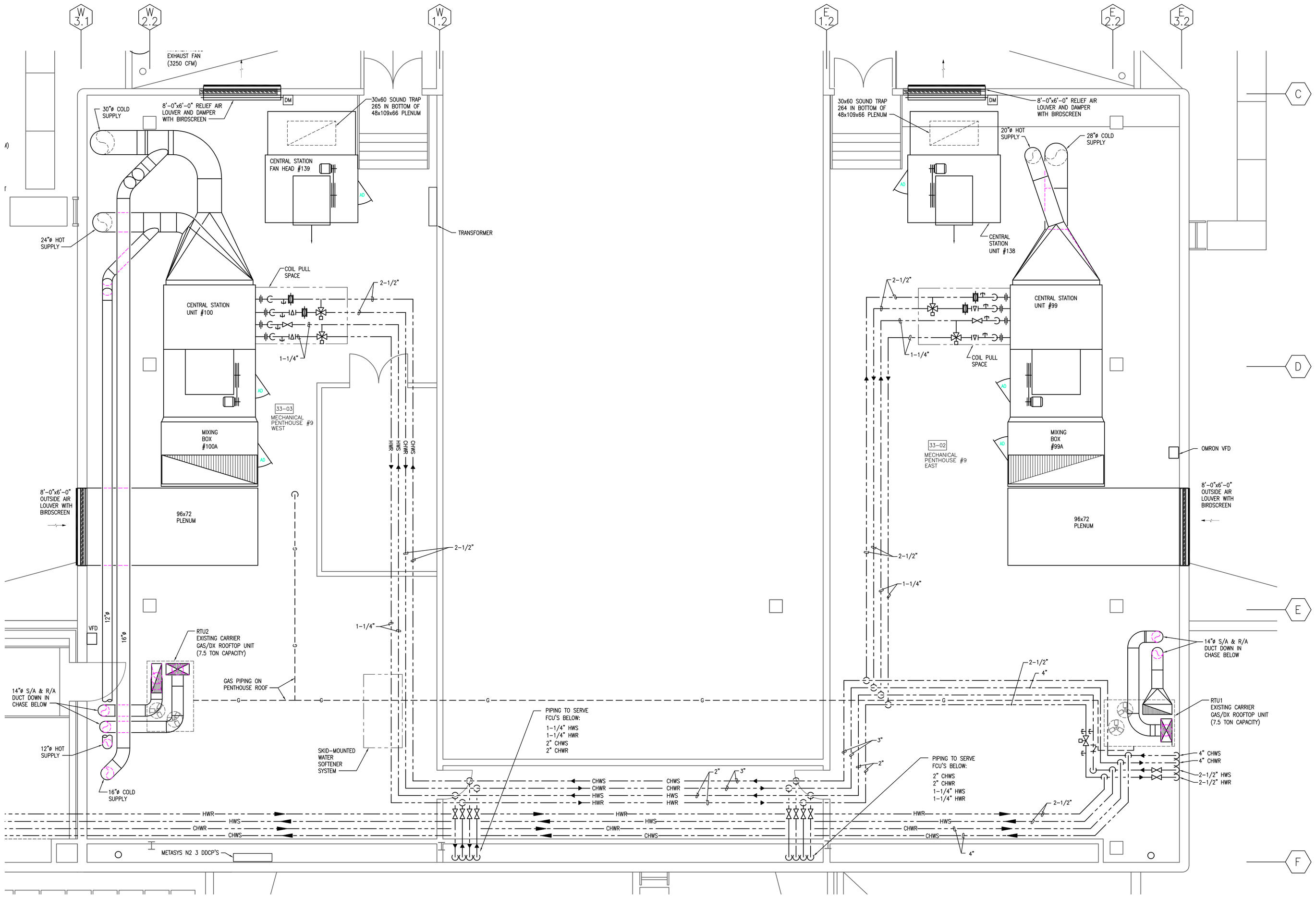
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – PH #7 & PH #8

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M4.05	37	124

26 – 725 9 . 11 – 08



1 MECHANICAL PLAN – PENTHOUSE #9
3/16" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. REMOVE PENTHOUSE IN-LINE PUMPS. PROVIDE PIPING IN PLACE OF PUMP, SIZED TO MATCH EXISTING PIPING.
2. BY-PASS PORT OF 3-WAY VALVE SHALL BE PERMANENTLY CLOSED. 3-WAY VALVE SHALL FUNCTION AS TWO-WAY VALVE. ALSO REFER TO CONTROLS SHEETS.
3. REMOVE EXISTING FLOW CONTROL ASSEMBLY (BRDG TNDR). REFER TO DETAIL 3/M5.1
4. REPLACE PNEUMATIC DAMPER OPERATOR WITH NEW ELECTRONIC OPERATOR. SEE CONTROLS SHEET M6.1.
5. REMOVE EXISTING VFD. PROVIDE AND INSTALL 1 SUPPLY FAN VFD AND 1 RETURN FAN VFD. LABEL EACH VFD ('SUPPLY FAN' OR 'RETURN FAN'). VERIFY EXISTING HORSEPOWERS. SEE CONTROLS SHEETS.
6. NEW VFD LOCATION. FIELD VERIFY PROPER MOUNTING CLEARANCES ARE AVAILABLE PRIOR TO INSTALLATION.
7. REPLACE EXISTING CONTROLLER WITH NEW CONTROLER. SEE CONTROLS SHEETS.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	By	Remarks
DESIGN			
	Date: 06/15/1996	Designed By: PL	
	Date: 06/15/1996	Drawn By: CGA	
	Date: 06/15/1996	Checked By: PL	

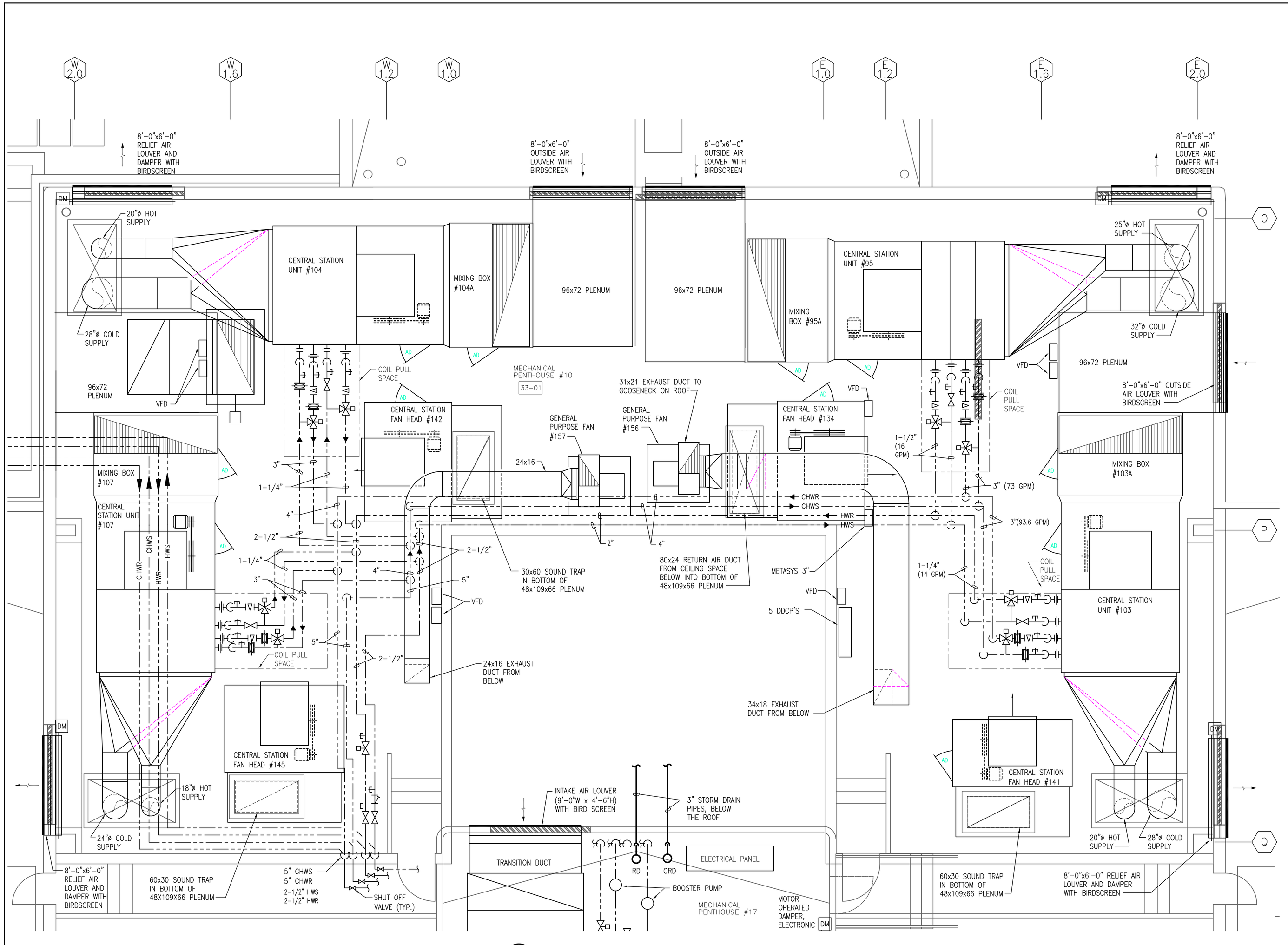
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – PENTHOUSE #9

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

2	6	–	7	2	5	9	.	1	1	–	0	8

City Project No. 725911 | Zone Map No. M-16 | Drawing No. M4.06 | Sheet 38 | Of 124



1 MECHANICAL PLAN – PENTHOUSE #10
1/4" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. REMOVE PENTHOUSE IN-LINE PUMPS. PROVIDE PIPING IN PLACE OF PUMP, SIZED TO MATCH EXISTING PIPING.
2. BY-PASS PORT OF 3-WAY VALVE SHALL BE PERMANENTLY CLOSED. 3-WAY VALVE SHALL FUNCTION AS TWO-WAY VALVE. ALSO REFER TO CONTROLS SHEETS.
3. REMOVE EXISTING FLOW CONTROL ASSEMBLY (BRDG TNDR). REFER TO DETAIL 3/MS.1
4. REPLACE PNEUMATIC DAMPER OPERATOR WITH NEW ELECTRONIC OPERATOR. SEE CONTROLS SHEET M6.1.
5. REMOVE EXISTING VFD. PROVIDE AND INSTALL 1 SUPPLY FAN VFD CAPABLE OF 40HP AND 1 RETURN FAN VFD CAPABLE OF 7.5HP. LABEL EACH VFD ('SUPPLY FAN' OR 'RETURN FAN'). SEE CONTROLS SHEETS.
6. NEW VFD LOCATION. FIELD VERIFY PROPER MOUNTING CLEARANCES ARE AVAILABLE PRIOR TO INSTALLATION.
7. REPLACE EXISTING CONTROLLER WITH NEW CONTROLER. SEE CONTROLS SHEETS.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date

MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW M.E.XICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Date: 08/15/1996	Designed By: PL
		Date: 08/15/1996	Drawn By: CGA
		Date: 08/15/1996	Checked By: PL

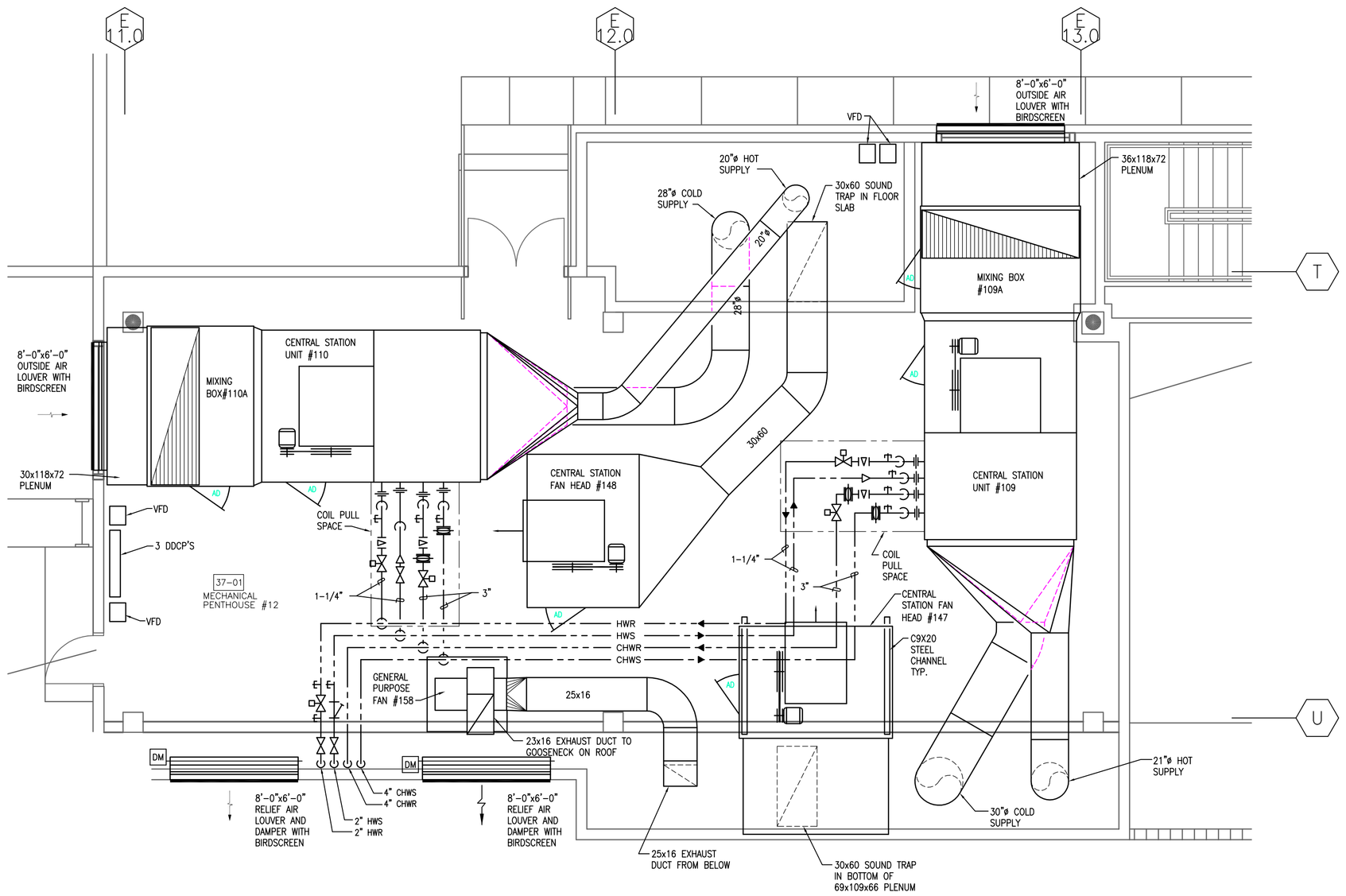
RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

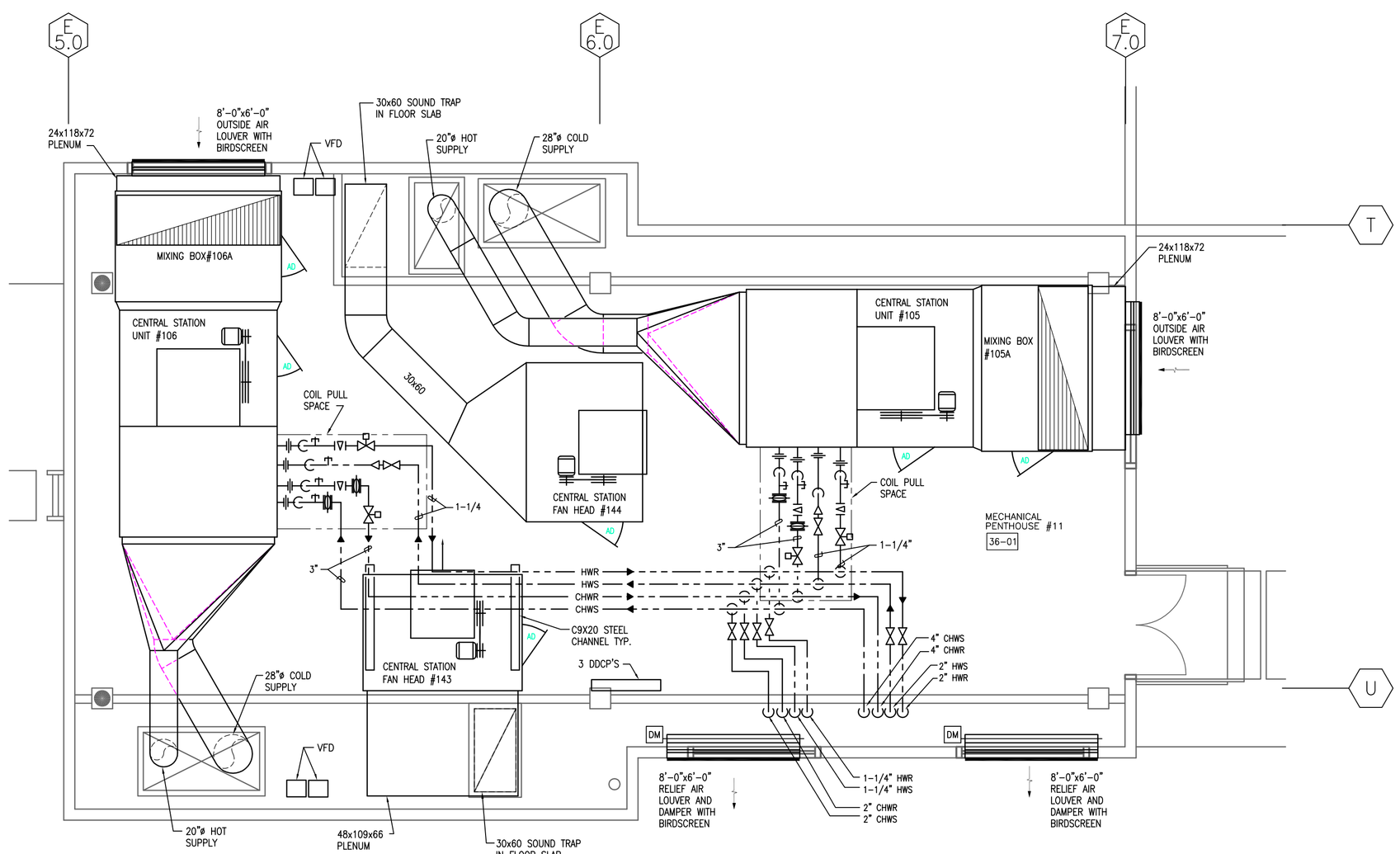
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – PENTHOUSE #10

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
26-7259.11-08 / 725911	M-16	M4.07	38	124



2 MECHANICAL PLAN – PENTHOUSE #12
3/16" = 1'-0"



1 MECHANICAL PLAN – PENTHOUSE #11
3/16" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. REMOVE PENTHOUSE IN-LINE PUMPS. PROVIDE PIPING IN PLACE OF PUMP, SIZED TO MATCH EXISTING PIPING.
2. REPLACE EXISTING CONTROLLER WITH NEW CONTROLER. SEE CONTROLS SHEETS.
3. REMOVE EXISTING VFD. PROVIDE AND INSTALL 1 SUPPLY FAN VFD CAPABLE OF 40HP AND 1 RETURN FAN VFD CAPABLE OF 7.5HP. LABEL EACH VFD ('SUPPLY FAN' OR 'RETURN FAN'). SEE CONTROLS SHEETS.
4. PROVIDE 2-WAY VALVE. SEE DETAILS 1 & 2/M5.1. ALSO REFER TO CONTROLS SHEETS.
5. REMOVE EXISTING FLOW CONTROL ASSEMBLY (BRDG TNDR). REFER TO DETAIL 3/M5.1
6. REPLACE PNEUMATIC DAMPER OPERATOR WITH NEW ELECTRONIC OPERATOR. SEE CONTROLS SHEET M6.1
7. NEW VFD LOCATION. FIELD VERIFY PROPER MOUNTING CLEARANCES ARE AVAILABLE PRIOR TO INSTALLATION.

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
		DESIGN	Designed By: PL Date: 08/15/06
			Drawn By: CGA Date: 08/15/06
			Checked By: PL Date: 08/15/06

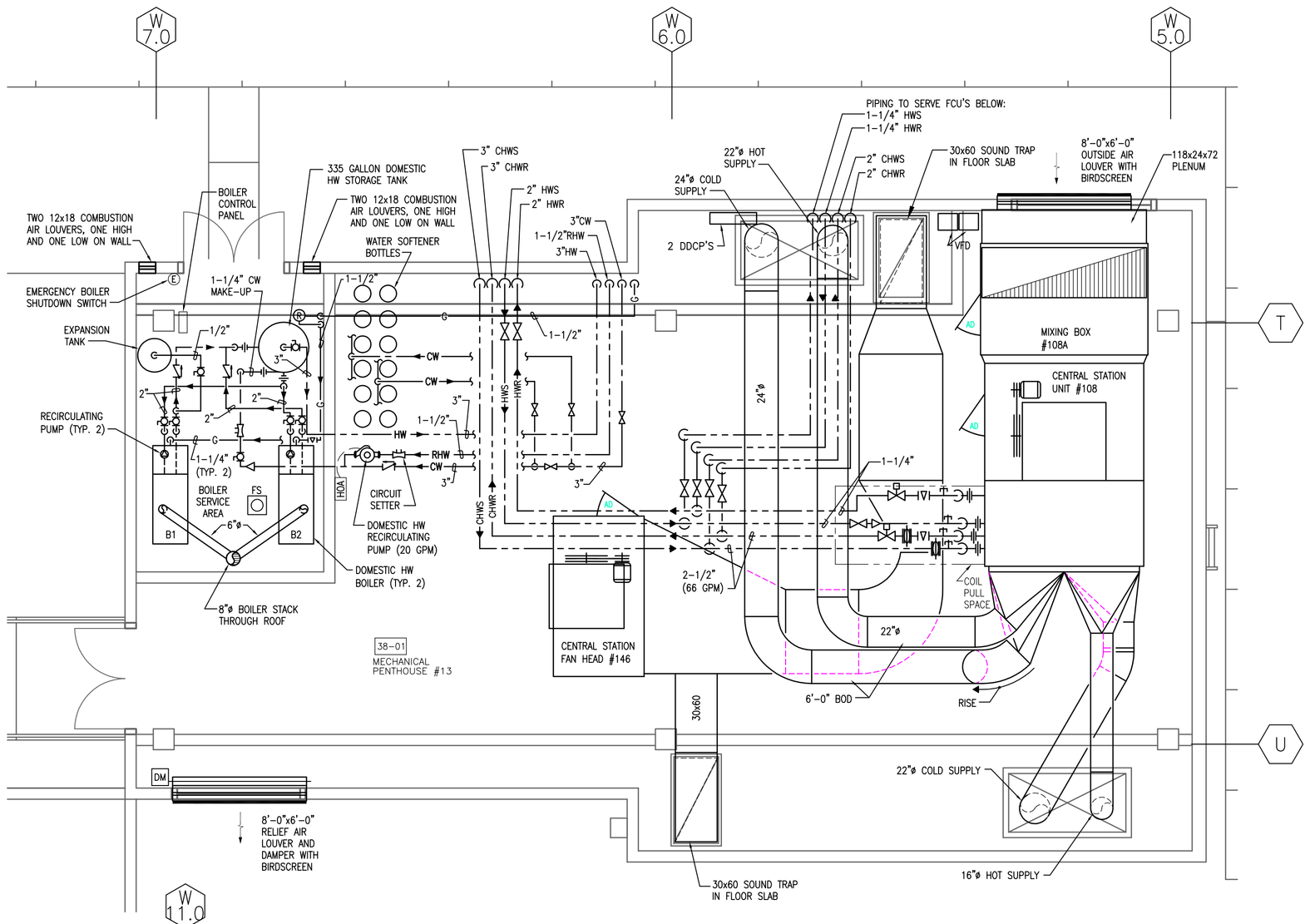
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

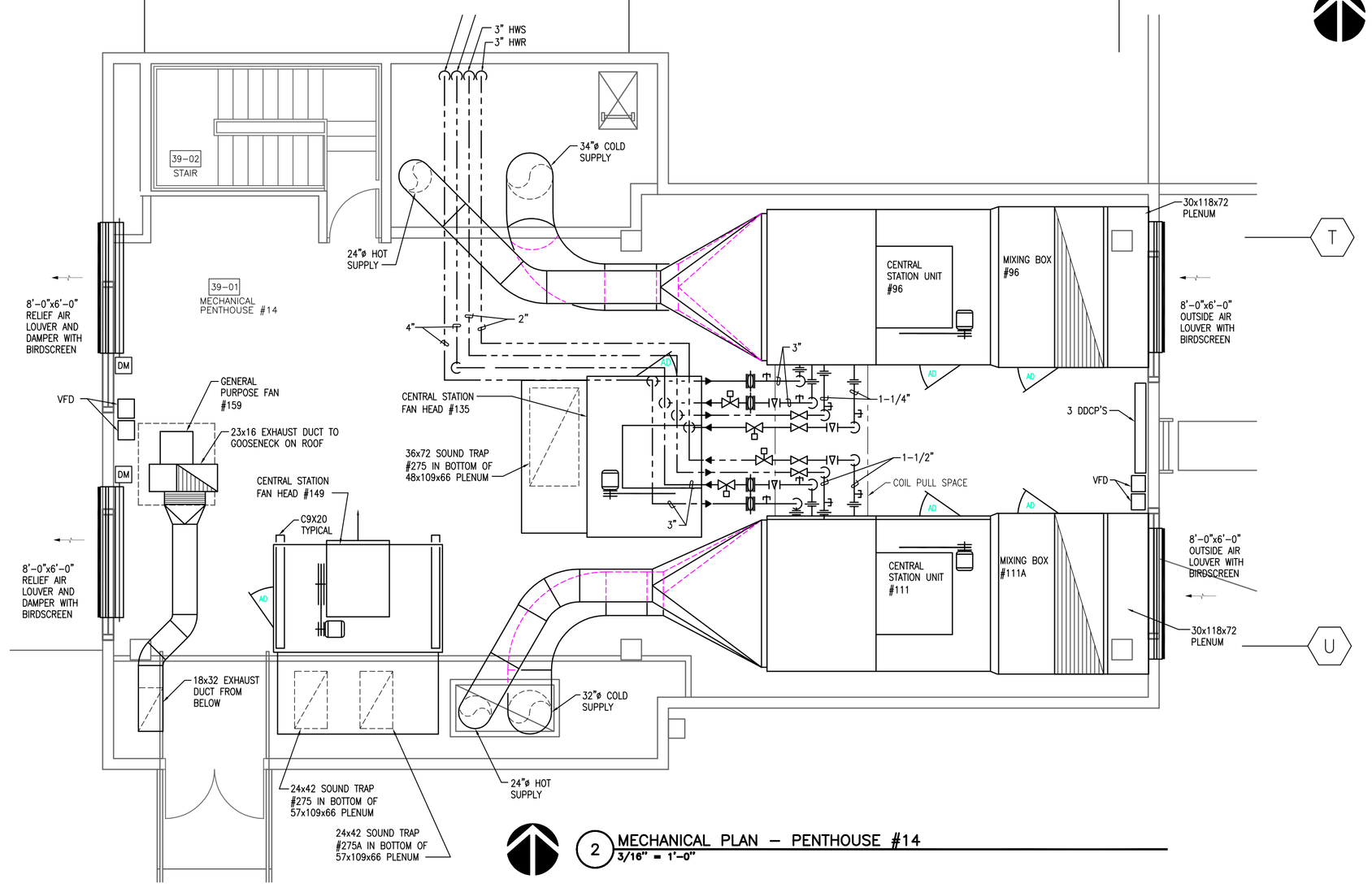
MECHANICAL PLAN – PH #11 & PH #12

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
26-7259.11-08 / 725911	M-16	M4.08	40	124



1 MECHANICAL PLAN – PENTHOUSE #13
3/16" = 1'-0"



2 MECHANICAL PLAN – PENTHOUSE #14
3/16" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. REMOVE PENTHOUSE IN-LINE PUMPS. PROVIDE PIPING IN PLACE OF PUMP, SIZED TO MATCH EXISTING PIPING.
2. REPLACE EXISTING CONTROLLER WITH NEW CONTROLER. SEE CONTROLS SHEETS.
3. REMOVE EXISTING VFD. PROVIDE AND INSTALL 1 SUPPLY FAN VFD CAPABLE OF 40HP AND 1 RETURN FAN VFD CAPABLE OF 7.5HP. LABEL EACH VFD ('SUPPLY FAN' OR 'RETURN FAN'). SEE CONTROLS SHEETS.
4. PROVIDE 2-WAY VALVE. SEE DETAILS 1 & 2/M5.1. ALSO REFER TO CONTROLS SHEETS.
5. REMOVE EXISTING FLOW CONTROL ASSEMBLY (BRDG TNDR). REFER TO DETAIL 3/M5.1
6. REPLACE PNEUMATICE DAMPER OPERATOR WITH NEW ELECTRONIC OPERATOR. SEE CONTROLS SHEET M6.1.
7. NEW VFD LOCATION. FIELD VERIFY PROPER MOUNTING CLEARANCES ARE AVAILABLE PRIOR TO INSTALLATION.

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Date
Work Started By
Date
Inspector's Acceptance By
Date
Final Verification By
Date
Drawings Corrected By
MICRO-FILM INFORMATION
Recorded By
Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Date: 08/15/2006	Designed By: PL
		Date: 08/15/2006	Drawn By: CGA
		Date: 08/15/2006	Checked By: PL

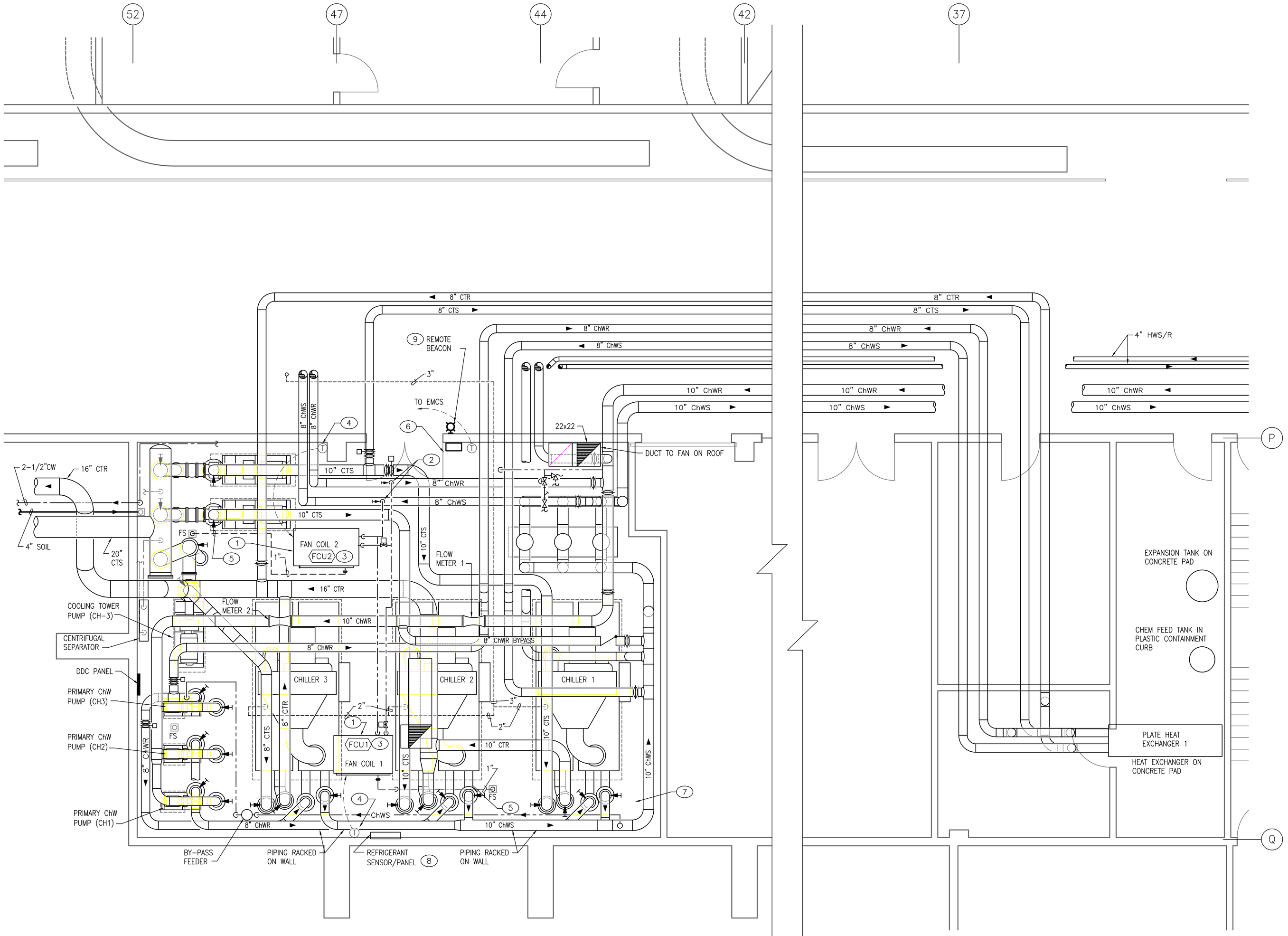
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – PH #13 & PH #14

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	M4.09	41	124

2 6 – 7 2 5 9 . 1 1 – 0 8



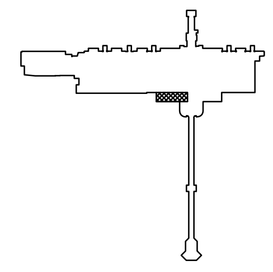
1 MECHANICAL PLAN – CHILLER ROOM
1/4" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.

KEYED NOTES, NEW WORK:

1 INSTALL HORIZONTAL EXPOSED FAN COIL UNIT PER DETAIL 6/M5.1.
2 CONNECT TO EXISTING PIPE WITH VALVE AND TAP.
3 CONNECT PIPING TO CHILLED WATER COIL PER DETAIL 1/M5.1.
4 INSTALL NEW THERMOSTAT/SENSOR.
5 ROUTE CONDENSATE DRAIN AT MINIMUM 1/8" PER FOOT SLOPE AND DROP TO EXISTING FLOOR SINK, FS. TERMINATE WITH APPROVED AIR GAP.
6 22x22 DUCT TO FAN EF1 ON ROOF, SEE DETAIL 5/M5.1.
7 TERMINATE OPEN DUCT AT 12" A.F.F. CAP END OF DUCT WITH INSECT SCREEN.
8 INSTALL REFRIGERANT SENSOR/PANEL ON WALL PER MANUFACTURER'S REQUIREMENTS.
9 INSTALL REMOTE BEACON PER MANUFACTURER'S REQUIREMENTS.



KEY PLAN–LEVEL 1 CHILLER ROOM
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Date
Work Started By
Date
Inspector's Acceptance By
Date
Final Verification By
Date
Drawings Corrected By
Date
MICRO-FILM INFORMATION
Recorded By
Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS
No. | Date | By | Remarks
DESIGN
Designed By: PL Date: 06/15/07
Drawn By: CGA Date: 06/15/07
Checked By: PL Date: 06/15/07

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

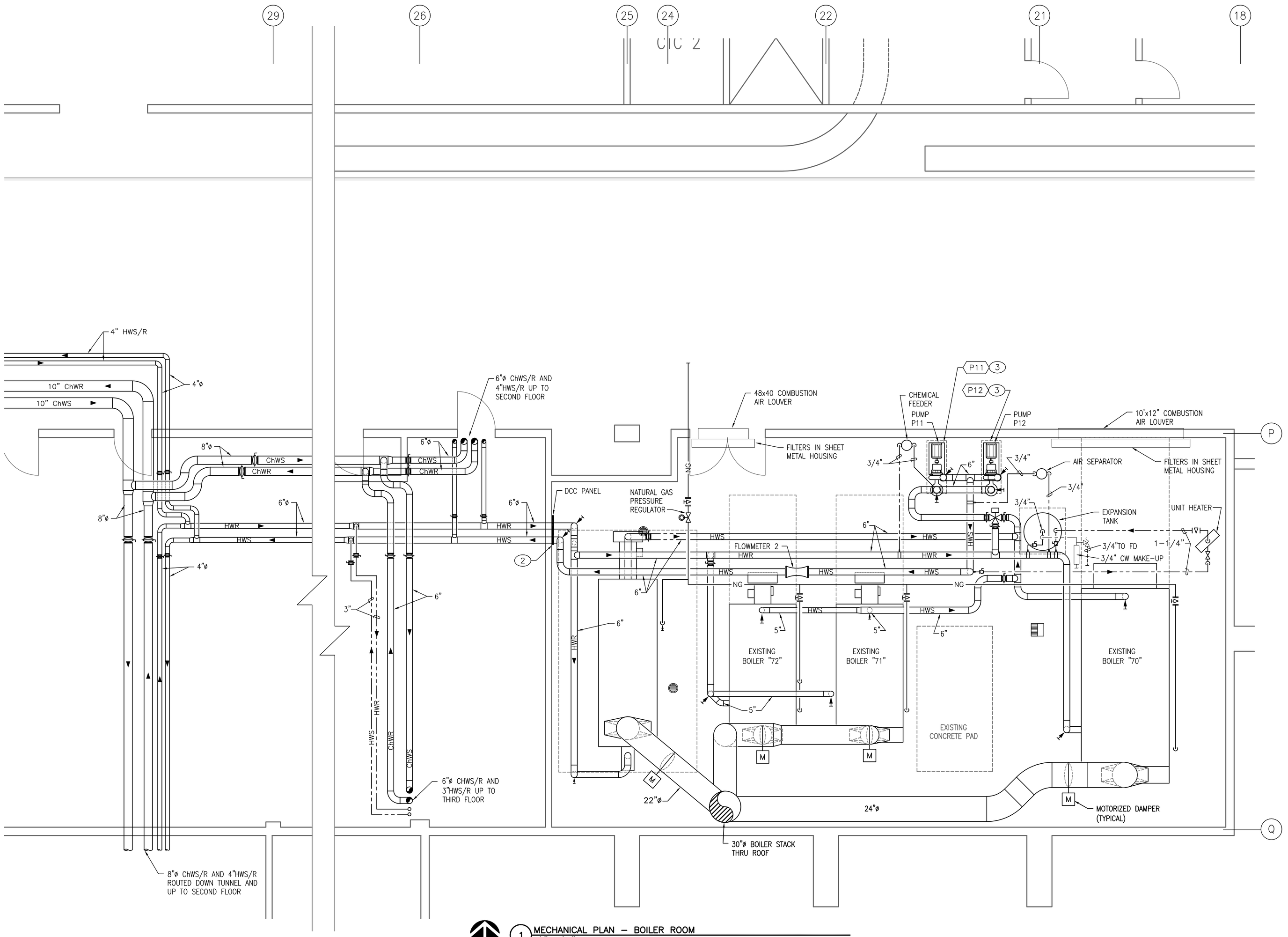
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – CHILLER ROOM

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	M4.10	42	124

26–7259.11–08



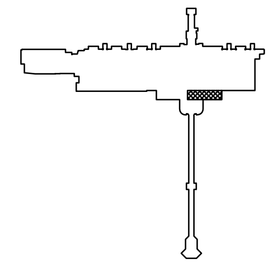
1 MECHANICAL PLAN – BOILER ROOM
1/4" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. REMOVE EXISTING HEATING WATER PUMPS. PROVIDE NEW PUMPS AS SHOWN IN PARTIAL NEW WORK PLAN. REFER TO DETAIL 4/M5.1 FOR INSTALLATION.
2. EXISTING CONTROLS TO BE REPLACED WITH NEW DDC SYSTEM.
3. OWNER FURNISHED EQUIPMENT. REFER TO EQUIPMENT SCHEDULE FOR INFORMATION.



KEY PLAN–LEVEL 1 BOILER ROOM
SCALE: NONE

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. / By / Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar–Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
		DESIGN	

Designed By: PL Date: 06/15/07
Drawn By: CGA Date: 06/15/07
Checked By: PL Date: 06/15/07

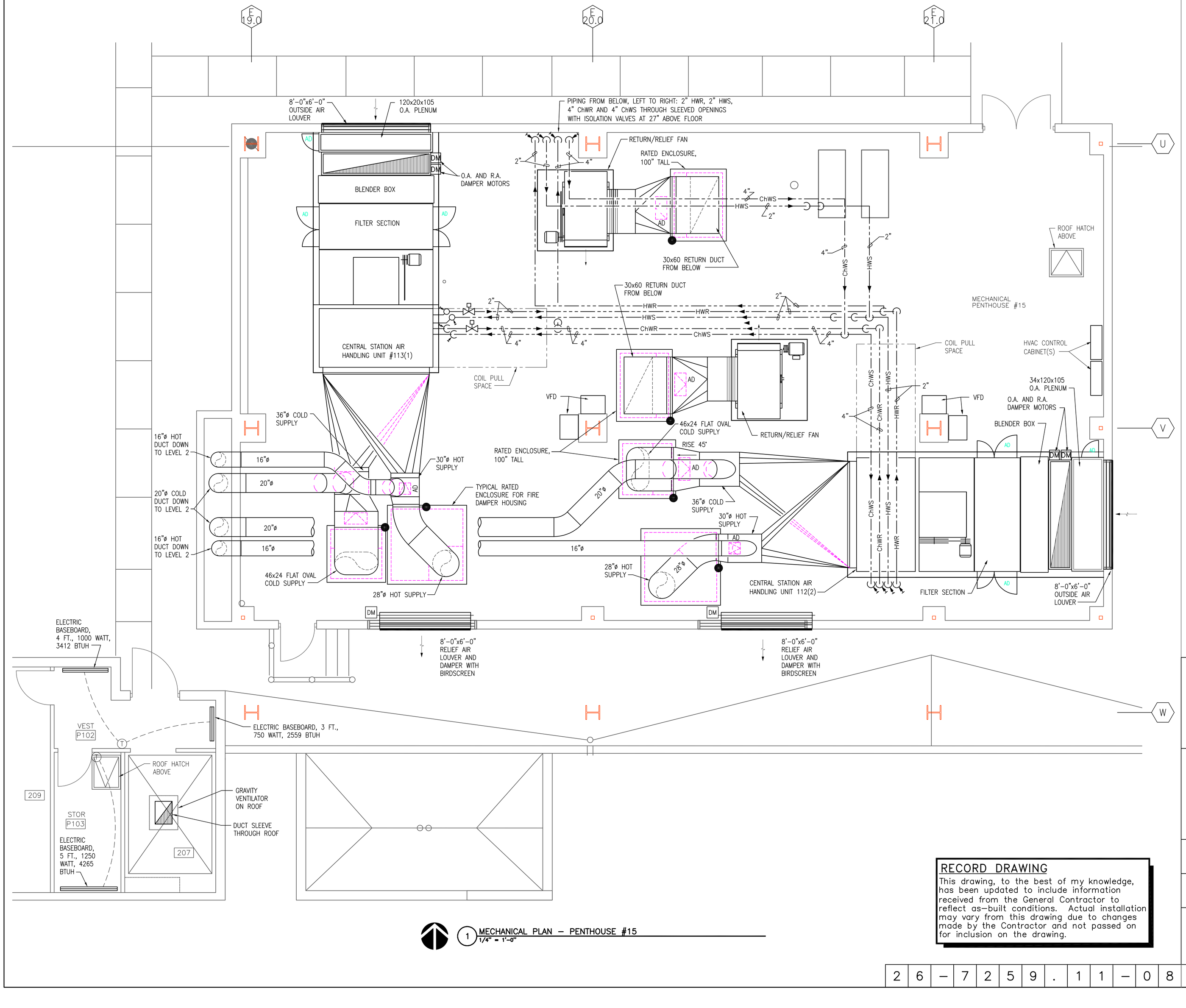
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – BOILER ROOM

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

2	6	–	7	2	5	9	.	1	1	–	0	8

City Project No. 725911 | Zone Map No. M–16 | Drawing No. M4.11 | Sheet 43 Of 124



1 MECHANICAL PLAN – PENTHOUSE #15
1/4" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. REMOVE PENTHOUSE PUMPS. PROVIDE PIPING IN PLACE OF PUMP, SIZED TO MATCH EXISTING PIPING.
2. REPLACE EXISTING CONTROLLER WITH NEW CONTROLER. SEE CONTROLS SHEETS.
3. REMOVE EXISTING VFD. PROVIDE AND INSTALL 1 SUPPLY FAN VFD CAPABLE OF 40HP AND 1 RETURN FAN VFD CAPABLE OF 7.5HP. LABEL EACH VFD ('SUPPLY FAN' OR 'RETURN FAN'). SEE CONTROLS SHEETS.
4. PROVIDE 2-WAY VALVE. SEE DETAILS 1 & 2/M5.1. ALSO REFER TO CONTROLS SHEETS.
5. REPLACE PNEUMATIC DAMPER OPERATOR WITH NEW ELECTRONIC OPERATOR. SEE CONTROLS SHEET M6.1.
6. NEW VFD LOCATION. FIELD VERIFY PROPER MOUNTING CLEARANCES ARE AVAILABLE PRIOR TO INSTALLATION.
7. REMOVE EXISTING 3-WAY VALVE AND REPLACE WITH SPOOL PIECE. REMOVE ASSOCIATED BY-PASS LINE. CAP AS REQUIRED.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor — Date
Work Started By — Date
Inspector's Acceptance By — Date
Final Verification By — Date
Drawings Corrected By — Date
MICRO-FILM INFORMATION
Recorded By — Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes By — Date
No.

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

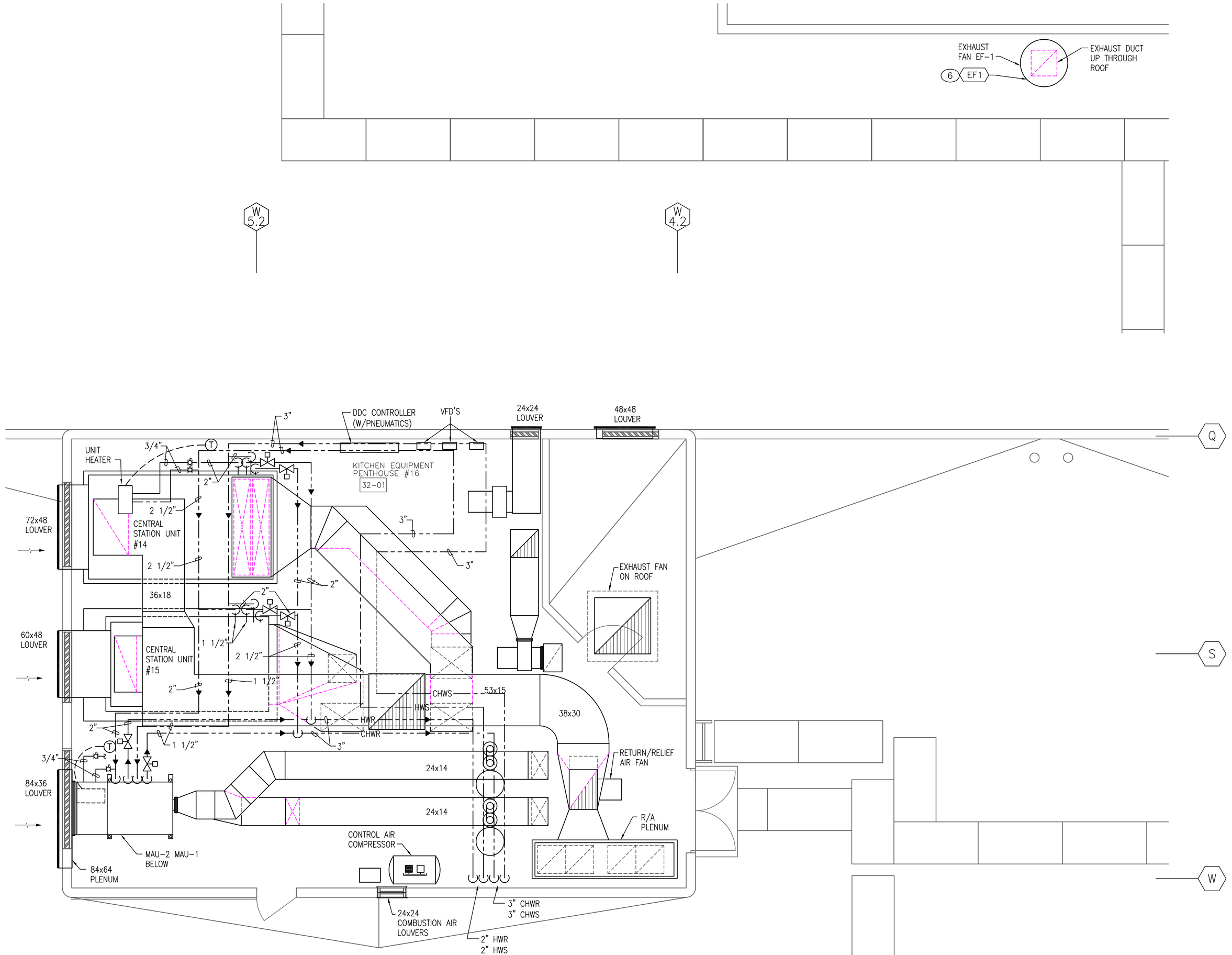
No.	Date	Remarks	By
DESIGN		Date: 08/15/2006	Designed By: PL
		Date: 08/15/2006	Drawn By: CGA
		Date: 08/15/2006	Checked By: PL

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – PENTHOUSE #15

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
26-7259.11-08 / 725911	M-16	M4.12	44	124



1 MECHANICAL PLAN – PENTHOUSE #16 (KITCHEN)
1/4" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. REMOVE PENTHOUSE IN-LINE PUMPS. PROVIDE PIPING IN PLACE OF PUMP, SIZED TO MATCH EXISTING PIPING.
2. REPLACE EXISTING CONTROLLER WITH NEW CONTROLER. SEE CONTROLS SHEETS.
3. REMOVE EXISTING VFD. PROVIDE AND INSTALL 1 SUPPLY FAN VFD AND 1 RETURN FAN VFD. LABEL EACH VFD ("SUPPLY FAN" OR "RETURN FAN"). VERIFY EXISTING HORSEPOWERS. SEE CONTROLS SHEETS
4. PROVIDE 2-WAY VALVE. SEE DETAILS 1 & 2/M5.1. ALSO REFER TO CONTROLS SHEETS.
5. REPLACE PNEUMATIC DAMPER OPERATOR WITH NEW ELECTRONIC OPERATOR. SEE CONTROLS SHEET M6.1.
6. SEE DETAIL 5/M5.1 FOR EXHAUST FAN DETAIL. ROUTE DUCTWORK BELOW ROOF AS SHOWN TO CHASE. SEE ARCHITECTURAL.
7. NEW VFD LOCATION. FIELD VERIFY PROPER MOUNTING CLEARANCES ARE AVAILABLE PRIOR TO INSTALLATION.

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

REVISIONS
No. | Date | Remarks | By
DESIGN
Designed By: PL — Date: 08/15/2006
Drawn By: CGA — Date: 08/15/2006
Checked By: PL — Date: 08/15/2006

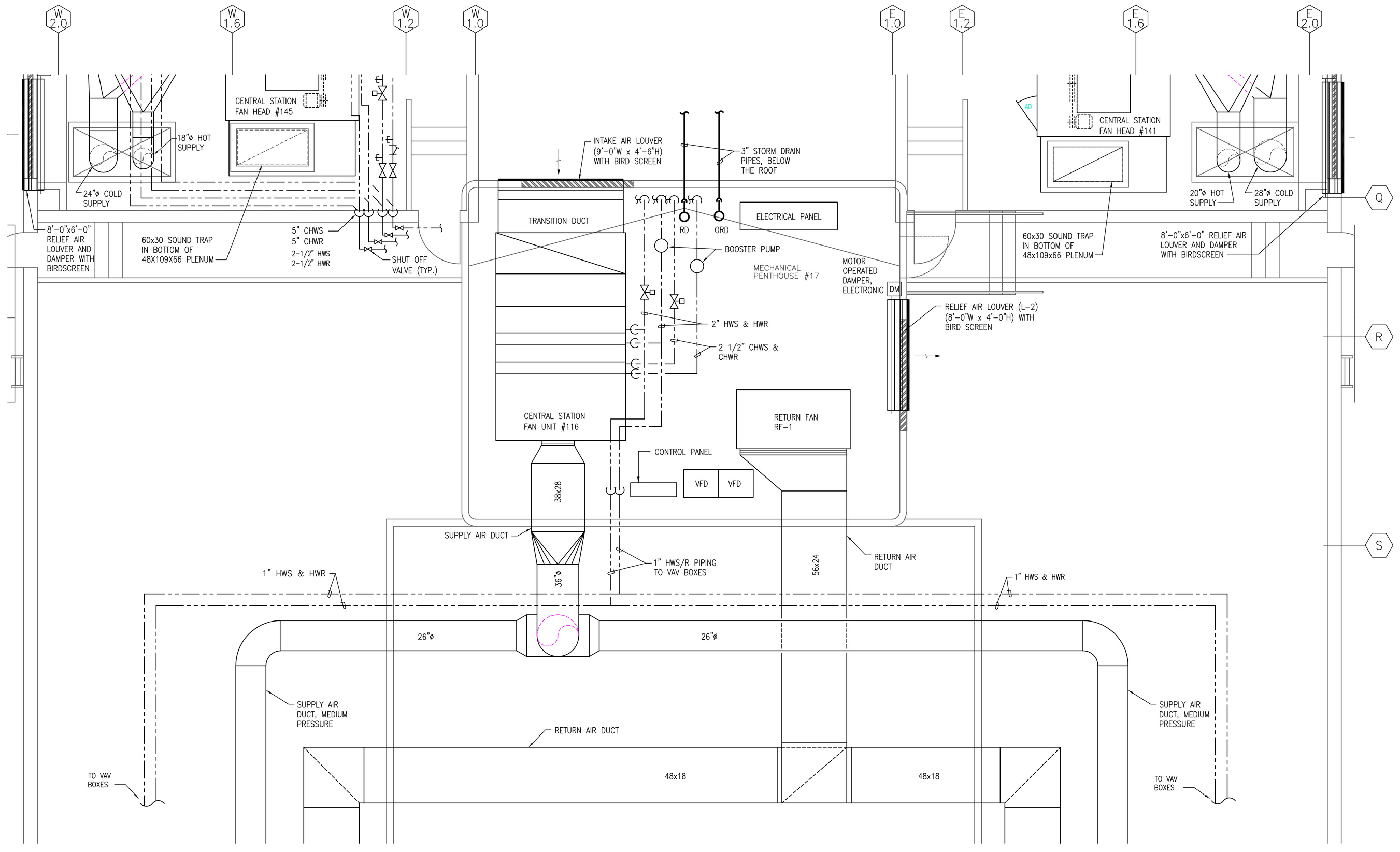
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – PENTHOUSE #16

Design Review Committee	City Engineer Approval	Last Design Update Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	M4.13	45	124

26-7259.11-08



1 MECHANICAL PLAN – PENTHOUSE #17 (OBSERVATION DECK)
1/4" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. REMOVE PENTHOUSE IN-LINE PUMPS. PROVIDE PIPING IN PLACE OF PUMP, SIZED TO MATCH EXISTING PIPING.
2. REPLACE EXISTING CONTROLLER WITH NEW CONTROLER. SEE CONTROLS SHEETS.
3. REMOVE EXISTING VFD. PROVIDE AND INSTALL 1 SUPPLY FAN VFD AND 1 RETURN FAN VFD. LABEL EACH VFD ('SUPPLY FAN' OR 'RETURN FAN'). VERIFY EXISTING HORSEPOWERS. SEE CONTROLS SHEETS.
4. PROVIDE 2-WAY VALVE. SEE DETAILS 1 & 2/M5.1. ALSO REFER TO CONTROLS SHEETS.
5. REPLACE PNEUMATIC DAMPER OPERATOR WITH NEW ELECTRONIC OPERATOR. SEE CONTROLS SHEET M6.1.
6. NEW VFD LOCATION. FIELD VERIFY PROPER MOUNTING CLEARANCES ARE AVAILABLE PRIOR TO INSTALLATION.
7. EXISTING PUMP TO REMAIN. INCLUDING ELECTRICAL POWER AND CONTROLS.

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ASCG INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 - FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Completed By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER
I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

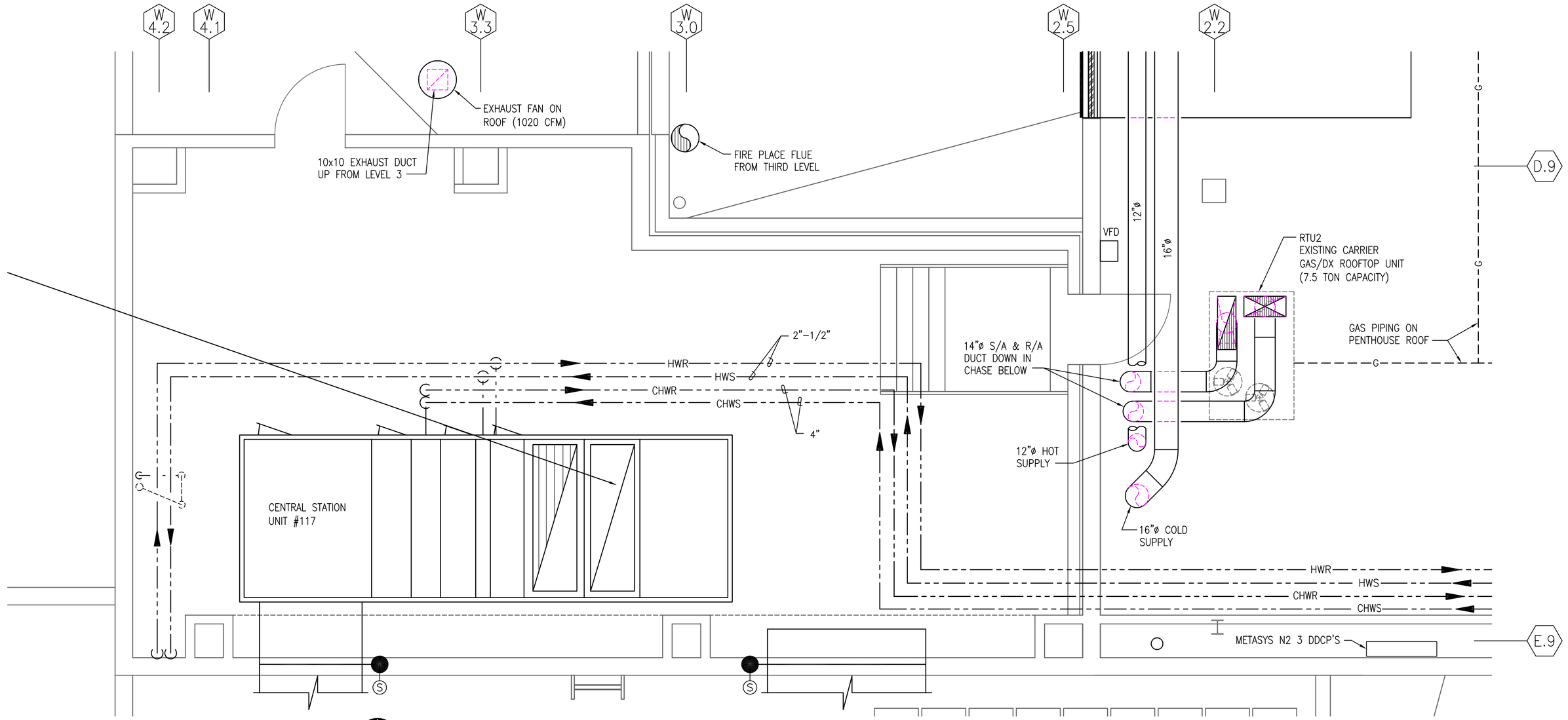
No.	Date	Remarks	By
DESIGN		Date: 08/15/2006	Designed By: PL
		Date: 08/15/2006	Drawn By: CGA
		Date: 08/15/2006	Checked By: PL

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

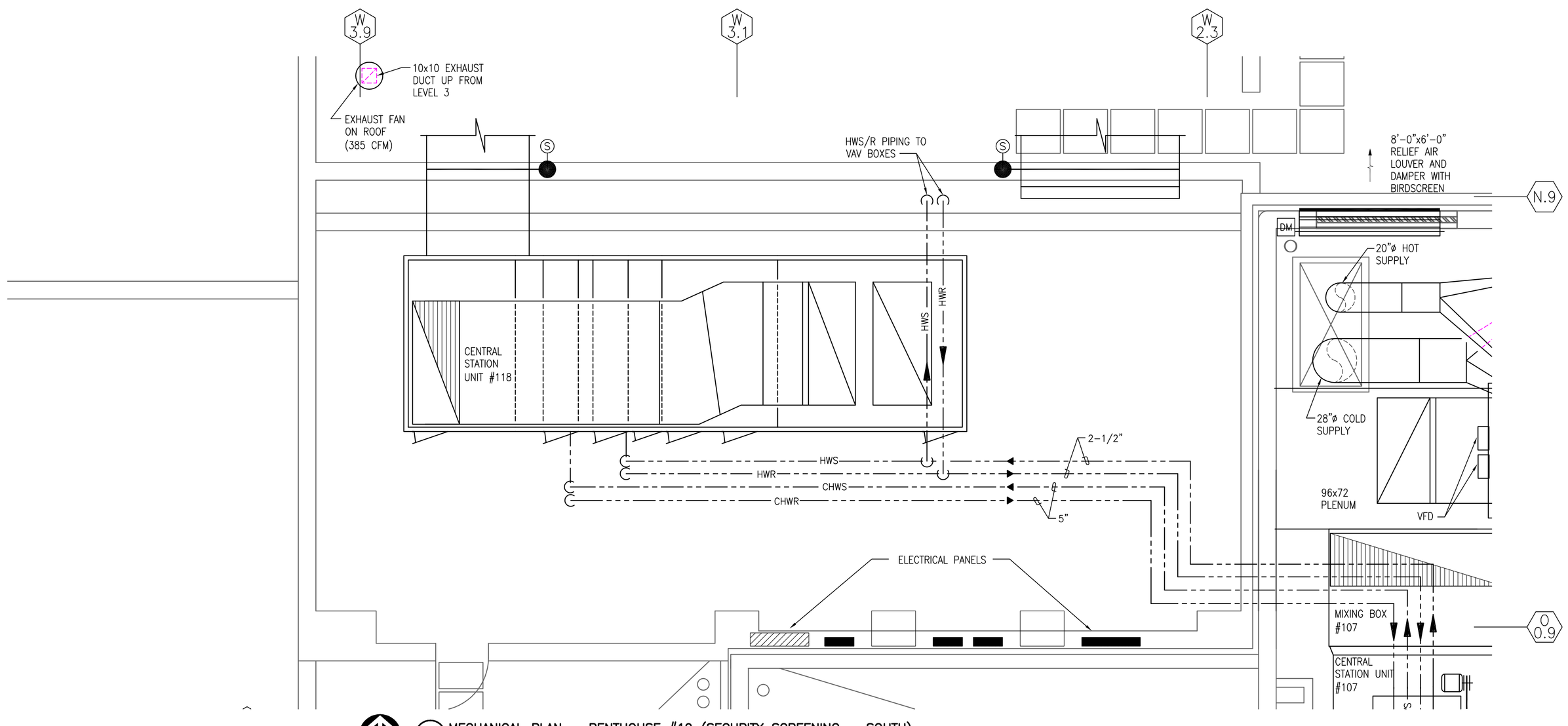
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES
MECHANICAL PLAN – PENTHOUSE #17

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
26-7259.11-08 / 725911	M-16	M4.14	46	124



1 MECHANICAL PLAN – PENTHOUSE #18 (SECURITY SCREENING – NORTH)
1/4" = 1'-0"



2 MECHANICAL PLAN – PENTHOUSE #19 (SECURITY SCREENING – SOUTH)
1/4" = 1'-0"

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.
B. ALL SUPPORTS, HANGERS, BRACKETS AND MOUNTING ASSEMBLIES FOR ALL SYSTEMS REQUIRED TO BE DEMOLISHED OR REMOVED SHALL ALSO BE REMOVED COMPLETELY.
C. ALL EQUIPMENT/MATERIALS REMOVED SHALL BE TRANSPORTED FROM THIS SITE AND DISPOSED OF BY THIS CONTRACTOR.
D. ALL WORK INVOLVED WITH THE REMOVAL AND DEMOLITION OF THE MECHANICAL SYSTEM SHALL BE CAREFULLY COORDINATED TO AVOID DAMAGE TO THE REMAINING SYSTEMS AND EXISTING FINISHES.
E. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

KEYED NOTES: ⬭

1. EXISTING DDC CONTROLS SHALL BE REPLACED WITH NEW CONTROL SYSTEM. SEE CONTROL DRAWINGS.

RECORD DRAWING

This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

AS BUILT INFORMATION
Contractor
Work Started By / Date
Inspector's Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE
PAMELA M. SALAZAR-LENTINI
NEW MEXICO 14255 REGISTERED PROFESSIONAL ENGINEER

I Pamela Salazar-Lentini, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/08/2005.

REVISIONS

No.	Date	Remarks	By
DESIGN		Designed By: PL	Date: 08/15/2006
		Drawn By: CGA	Date: 08/15/2006
		Checked By: PL	Date: 08/15/2006

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

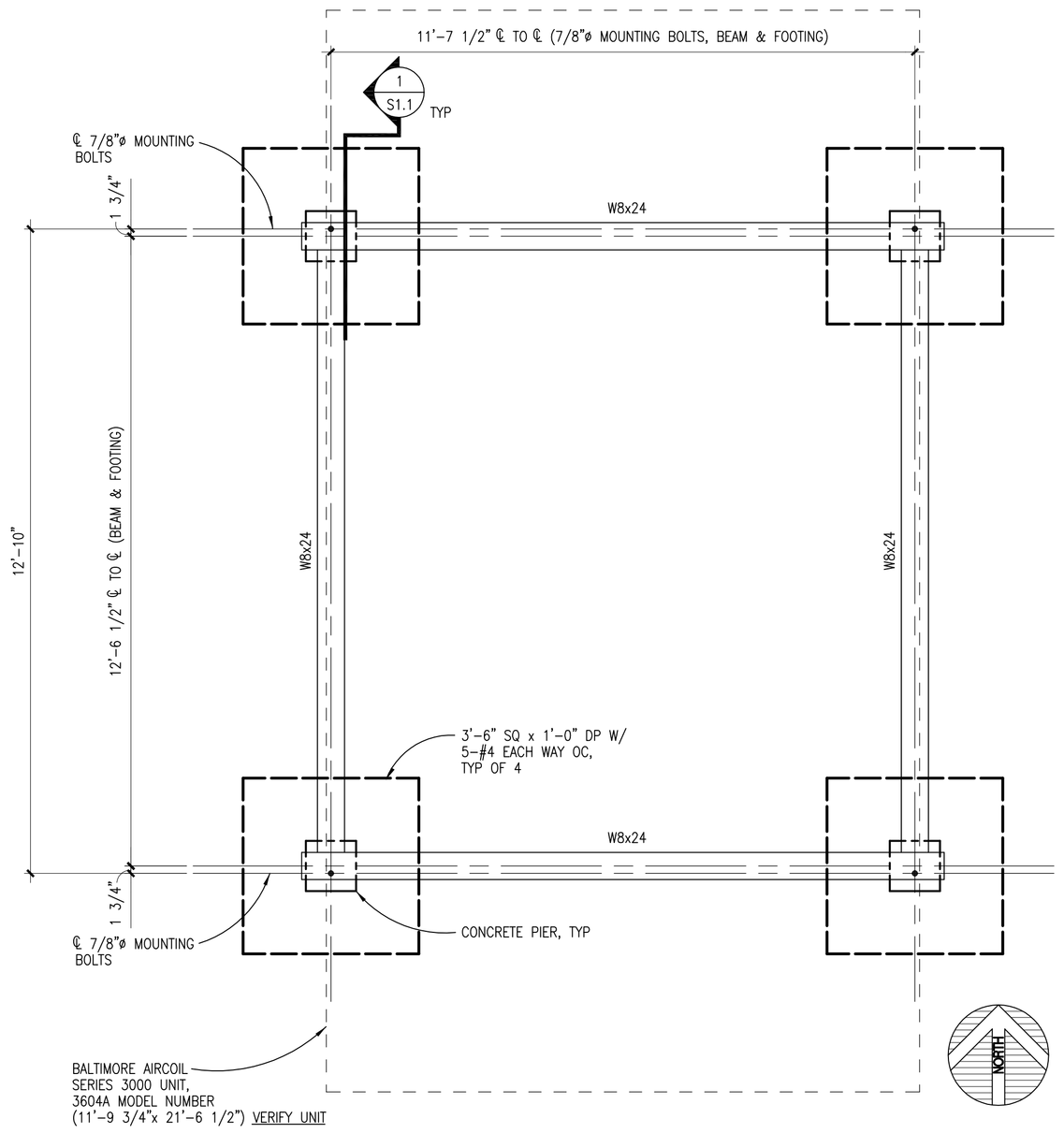
TITLE: ALBUQUERQUE INTERNATIONAL SUNPORT
MECHANICAL AND ELECTRICAL UPGRADES

MECHANICAL PLAN – PENTHOUSES #18 & #19

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	M4.15	47	124

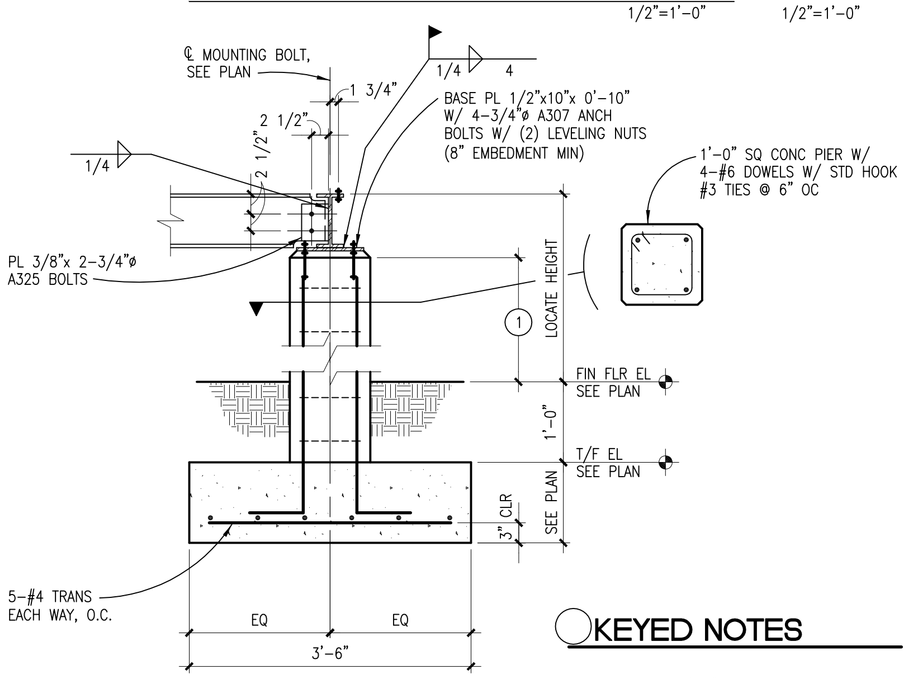
26-7259.11-08



FOUNDATION & BEAM FRAMING PLAN

1/2"=1'-0"

1' 1' 3'
0 2' 5'
1/2"=1'-0"



CONTRACTOR TO VERIFY: MOUNTING BOLT LOCATIONS. PLAN LOCATIONS SHOWN ARE FROM DRAWING PROVIDED BY BALTIMORE AIRCOIL FOR SERIES 3000 UNIT; DRAWING NUMBER BAC-BBOBC00100. THE FINAL DIMENSIONS MAY VARY FROM THOSE SHOWN. REQUIRING RELOCATION OF FOOTINGS AND BEAMS. NOTIFY ENGINEER.

KEYED NOTES

1 DESIGN FOR 2'-0" T.O. PIER ABOVE GRADE: NOTIFY ENGINEER IF HEIGHT IS EXCEEDED.

1' 1' 3'
0
3/4"=1'-0"

1
3/4"=1'-0"

GENERAL STRUCTURAL NOTES

CODES AND MANUALS:

INTERNATIONAL BUILDING CODE, 2003 ED.
ASCE STANDARD MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES: SEI/ASCE 7-02
AISC MANUAL OF STEEL CONSTRUCTION – ALLOWABLE STRESS DESIGN, 9TH ED.
ACI BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-02

DESIGN CRITERIA:

VERTICAL:
Mechanical Unit by Baltimore Air Coil: Series 3000 Unit: Weight = 25,850 pounds

Seismic: Site soil Classification from Geotechnical Report: Sd
R = 2
V = 0.31 W (Base shear for Nonbuilding structures following IBC 2003 that references ASCE 7 for Nonbuilding structures)

ALLOWABLE SOIL BEARING PRESSURE = 3000 psf when soils are densified and prepared In accordance with Geo-Test Report: Geotechnical Engineering Services, Job No. 1-31109 Sunport Passenger Screening Facility, Albuquerque, New Mexico dated June 8, 2004

GENERAL:

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.

SHOP DRAWINGS SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION IS STARTED. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT FOR REVIEW. POORLY EXECUTED SHOP DRAWINGS WILL BE REJECTED AND SHALL BE RESUBMITTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION.

TEMPORARY PROVISIONS SHALL BE MADE FOR STRUCTURAL STABILITY DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION.

THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL OPENINGS IN FLOORS, ROOF, WALLS AND BEAMS WITH THE INDIVIDUAL TRADES.

NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED.

CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE STANDARDS SET FORTH BY OSHA, INCLUDING THE FOLLOWING REQUIREMENTS FROM STANDARDS – 29 CFR, SECTION 1926,
SUBPART R:

A. THE STEEL ERECTION CONTRACTOR SHALL NOT ERECT STEEL UNLESS THEY HAVE RECEIVED WRITTEN NOTIFICATION FROM THE CONTRACTOR THAT THE CONCRETE IN THE FOOTINGS AND PIERS HAS ATTAINED, ON THE BASIS OF AN APPROPRIATE ASTM STANDARD TEST METHOD OF FIELD-CURED SAMPLES,EITHER 75 PERCENT OF THE INTENDED MINIMUM COMPRESSIVE DESIGN STRENGTH ORSUFFICIENT STRENGTH TO SUPPORT THE LOADS IMPOSE DURING STEEL ERECTION.

PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.

B. ANCHOR RODS (ANCHOR BOLTS) SHALL NOT BE REPAIRED, REPLACED OR FIELD-MODIFIED WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.

PRIOR TO ERECTION OF BEAMS, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE STEEL ERECTOR IF THERE HAS BEEN ANY REPAIR, REPLACEMENT OR MODIFICATION OF THE ANCHOR RODS (ANCHOR BOLTS).

PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.

C. NO MODIFICATION THAT AFFECTS THE STRENGTH OF A STEEL BEAM SHALL BE MADE WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.

SOILS PREPARATION:

A. AFTER REMOVAL OF ALL EXISTING FILL AND THE BUILDING SITE HAS BEEN EXCAVATIED AND PRIOR TO PLACEMENT OF ANY FILL, THE BUILDING AREA SHALL BE DENSIFIED.
B. GROUND PREPARATION FOR FILL PLACEMENT SHALL RESULT IN LEVEL SUBGRADE SURFACES.
C. THE SURFACE OF THE FINAL CUT AREAS SHALL BE MOISTURE CONDITIONED AND COMPACTED TO ACHIEVE THE ASTM D-1557 MAXIMUM DRY DENSITY. VIBRATIONS SHALL BE CONTROLLED OR ELIMINATED TO AVOID DAMAGE TO THE EXISTING BUILDINGS OR ADJACENT UTILITIES AND COOLING TOWERS.
D. MOST ON SITE SOILS MAY BE SUITABLE FOR USE AS BACKFILL SOILS AND STRUCTURAL FILL. HOWEVER, MAN MADE FILL CONTAINING DELETERIOUS MATERIALS, IF ENCOUNTERED, SHALL NOT BE REUSED. ALL BACKFILL MATERIAL SHALL BE NON EXPANSIVE, FREE OF VEGETATION AND DEBRIS AND CONTAIN NO ROCKS LARGER THAN 6 INCES. GRADATION OF THE BACKFILL MATERIAL AS DETERMINED IN ACCORDANCE WITH ASTM D-422 SHALL BE AS FOLLOWS:

Sieve Size	Percent Passing
3 Inch	90-100
No. 4	60-100
No. 200	0-50

E. THE PLASTICITY INDEX SHALL BE NO GREATER THAN 12 WIHEN TESTED IN ACCORDANCE WITH ASTM D-4318.
F. FILL OR BACKFILL, CONSISTING OF SOIL APPROVED BY THE GEOTECHNICAL ENGINEER, SHALL BE PLACED IN CONTROLLED COMPACTED LAYERS WITH APPROVED COMPACTION EQUIPMENT. ALL COMPACTION SHALL BE A MINIMUM OF 95 PERCENT OF MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH THE ASTM D-1557 TEST METHOD.
G. TESTS FOR DEGREE OF COMPACTION SHALL BE DETERMINED BY THE ASTM D-1556 MEHTOD OR ASTM D-2922. OBSERVATION AND FIELD TESTS SHALL BE CARRIED ON DURING FILLING AND BACKFILL PLACEMENT BY THE GEOTECHNICAL ENGINEER TO ASSIST THE CONTRACTOR IN OBTAINING THE REQUIRED DEGREE OF COMPACTION. IF LESS THATN 95 PERCENT RELATIVE COMPACTION IS INDICATED, ADDITIONAL COMPACTION EFFORT SHALL BE MADE WITH ADJUSTMENT OF THE MOSITURE CONTENT AS NECESSARY UNTIL 95 PERCENT COMPACTION IS OBTAINED.

CAST-IN-PLACE CONCRETE:

ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-99.

ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE.

NORMAL WEIGHT CONCRETE:
A. F'C = 4000 PSI @ 28 DAYS – CONCRETE FLAT WORK, FOUNDATIONS AND PIERS
ALL CONCRETE EXPOSED TO GROUND SHALL BE MANUFACTURED WITH PORTLAND CEMENT TYPE II.

CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
B. CONCRETE CAST AGAINST FORMS BUT EXPOSED TO EARTH OR WEATHER:
BARS LARGER THAN NO. 5: 2"
BARS NO. 5 OR SMALLER: 1 1/2"

CAST-IN-PLACE CONCRETE CONT:

C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
COLUMNS, 1 1/2"
STRUCTURAL SLABS, WALLS AND JOISTS (NO. 11 AND SMALLER): 3/4"
D. SLAB ON GRADE: 1 1/2" FROM TOP OF SLAB

FORM TIES SHALL BE EITHER OF THE THREADED OR SNAP-OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1 INCH OF THE SURFACE OF THE WALL. FOLLOWING REMOVAL OF FORM TIES,

RECESSES ARE TO BE CAREFULLY FILLED AND POINTED WITH MORTAR.

REINFORCING SHALL NOT BE TACK WELDED OR WELDED IN ANY MANNER UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS.

BAR SUPPORTS AND SPACERS FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH ACI 315-92. REINFORCING SHALL BE SECURELY TIED TO SUPPORTS. CHAIRS WITH 22 GAGE SAND PLATES OR PRECAST BLOCKS SHALL BE PROVIDED FOR ALL REINFORCING OF CONCRETE IN CONTACT WITH GRADE.

DECK CHAIRS SHALL BE PROVIDED FOR ALL WELDED WIRE FABRIC IN SLABS OVER METAL DECK.

DRILLED ANCHORS:

ALL ANCHORS FOR ADHESIVED (EPOXIED) ANCHORS AND/OR REBAR INTO SOLID BASE MATERIALS (SUCH AS CONCRETE, GROUT, STONE, OR GROUT FILLED BLOCK) SHALL BE HILTI HIT HY 150 INJECTION ADHESIVE ANCHOR, ITW RAMSET/RED HEAD EPCON C6 ADHESIVE ANCHORING SYSTEM, OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS. USE OF ANCHORS IN LIEU OF ANCHOR BOLTS IS PERMITTED WITH PERMISSION OF STRUCTURAL ENGINEER.

ALL ADHESIVE (EPOXY) FOR ADHESIVED (EPOXIED) ANCHORS AND/OR REBAR INTO MATERIAL CONTAINING VOIDS AND HOLES (SUCH AS HOLLOW BLOCK, BRICK WITH HOLES, OR MULTI-WYTHE BRICK WALLS) SHALL BE HILTI HIT HY 20 SYSTEM, ITW RAMSET/REDHEAD EPCON C6 ADHESIVE ANCHORING SYSTEM, OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

DRILLED ANCHORS SHALL BE HILTI QWIK BOLT II EXPANSION TYPE ANCHORS AS CALLED OR ON DRAWINGS. NOTE THAT EPOXIED ANCHORS WITH SAME OR GREATER CAPACITIES MAY BE SUBSTITUTED WITH ENGINEER APPROVAL.

IF USED IN PLACE OF ANCHOR BOLTS SHOWN ANCHOR LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHORS WITH ADDITIONAL LENGTH TO FACILITATE THE REQUIRED CONNECTION.

SUBMIT PROPOSED ANCHORING SYSTEM TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO INSTALLATION.

STRUCTURAL, AND MISCELLANEOUS STEEL:

ALL STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".

ALL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, GRADE 50, UNLESS NOTED OTHERWISE.

ALL MISCELLANEOUS STEEL MEMBERS, SUCH AS CHANNELS, ANGLES, FLAT BARS, AND PLATES SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE.

BOLTS SHALL CONFORM TO ASTM A325 TENSION CONTROL BOLTS UNLESS NOTED OTHERWISE, WITH SIZES AS SHOWN ON THE DRAWINGS. WHERE CLEARANCE WITHIN A CONNECTION DOES NOT PERMIT THE USE OF TENSION CONTROL BOLTS, STANDARD A325 BOLTS SHALL BE USED AND INSPECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".

ALL BOLTS SHALL BE INSTALLED IN A SNUG TIGHT CONDITION AT CONNECTIONS DETAILED WITH A325SC BOLTS. AT THESE
LOCATIONS, THE BOLTS SHALL BE TIGHTENED SO AS TO SHEAR THE SPLINE OFF THE BOLT.

ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST STANDARDS OF THE AWS STRUCTURAL WELDING CODE.

ALL BOLT HOLES THAT ARE REQUIRED TO BE FIELD DRILLED SHALL BE DRILLED WITH A MAG DRILL. FLAME CUTTING OF HOLES OR ENLARGING OF UNFAIR HOLES WILL NOT BE ALLOWED.

DEMOLITION

NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL PLANS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE STANDARDS SET FORTH BY OSHA.

PRIOR TO STARTING DEMOLITION WORK, THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL SURROUNDING IMPROVEMENTS TO REMAIN, TO DETERMINE AND RECORD THEIR EXISTING PHYSICAL CONDITION.

SHORING AND BRACING: THE CONTRACTOR SHALL FURNISH ALL SHORING, BRACING, AND INCIDENTALS NECESSARY AND REQUIRED FOR THE PROPER SUPPORT AND SAFETY OF ALL MEMBERS AFFECTED BY DEMOLITION WORK. SHORING AND BRACING SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

WHERE DEMOLITION WOULD AFFECT THE STRUCTURAL INTEGRITY OF THE REMAINING STRUCTURE, THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY FIELD CONDITION WHICH WOULD PRESENT A HAZARDOUS CONDITION TO THE STRUCTURE BEFORE PROCEEDING.

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR DEMOLITION.

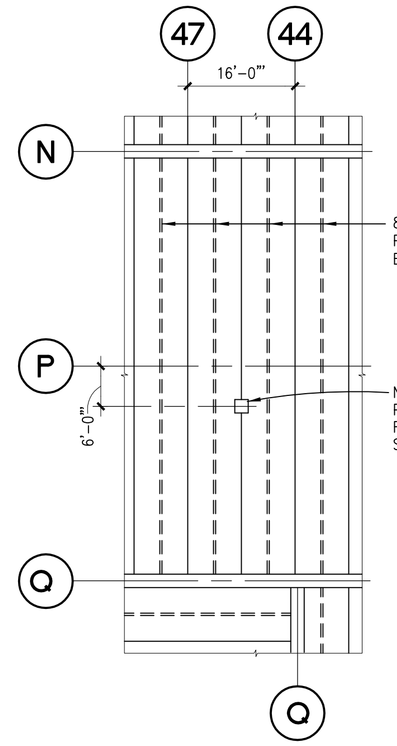
ROOF TOP DUCT PENETRATION NOTES:

1. CARE AND PRECAUTIONARY MEASURES SHALL BE TAKEN WITH CONSTRUCTION OF 24" SQUARE OPENINGS DUE TO:
a) LACK OF INFORMATION ON TEE CONSTRUCTION: NO SHOP DRAWINGS AVAILABLE.
b) PRESTRESSING STRAND WHICH IF CUT OR DAMAGED WILL SIGNIFICANTLY IMPAIR STRUCTURAL STRENGTH OF TEES.

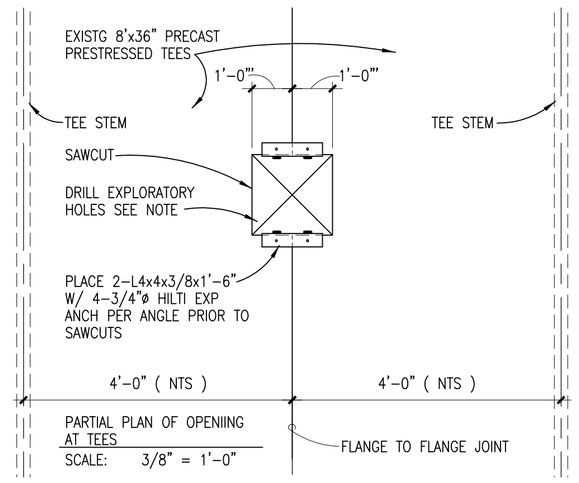
2. THEREFORE, CONTRACTOR SHALL:
a) INSPECT TEES TO ASSURE LOCATION OF OPENINGS IS AT FLANGE TO FLANGE SEAM.
B) DRILL EXPLORATORY HOLES TO ASCERTAIN THAT PRESTRESSING STRAND IS NOT WITHIN PENETRATION. IF PRESENT NOTIFY ENGINEER AND DO NOT PROCEED WITH SAW CUTTING.

3. IF PRESTRESSING STRAND IS SEVERED:
a) NOTIFY ENGINEER. DO NOT PROCEED WITH FURTHER CUTTING.
b) SHORE TEE.
C) EXPECT WIRE MESH TO BE PRESENT, CUT THROUGH.

4 IF NO STRANDS ENCOUNTERED, COMPLETE PENETRATION AND PLACE CLOSURE ANGLES.



LEVEL 3 FRAMING PLAN @ ROOF AREA
NEW MECHANICAL DUCT OPENING SCALE: 1/16"=1'-0"



PARTIAL PLAN OF OPENIING AT TEES
SCALE: 3/8" = 1'-0"

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion of the drawing.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Surveyed By Date
Staked By
Inspector's Reference By
Field Verification By Date
Verified By
Corrected By Date

MICRO-FILM INFORMATION
Recorded By Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes By Date
No.

ENGINEER'S STAMP & SIGNATURE

DAVID H. GRIEVES STATE OF NEW MEXICO NO. 6127 REGISTERED PROFESSIONAL ENGINEER

I David H. Grieves, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/24/2008.

No.	Date	By	Remarks	Date
			REVISIONS	
			DESIGN	
				Designed By: D GRIEVES Date: 12/22/2005
				Drawn By: D SWIGART Date: 12/22/2005
				Checked By: D GRIEVES Date: 12/22/2005

ASCG INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4645

Chavez-Grieves consulting engineers, inc.
5639 JEFFERSON STREET NE · ALBUQUERQUE, NM 87109
PHONE (505) 344-4080 · FAX (505) 343-8759

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
COOLING TOWER FDN & BEAM FRAMING PLAN

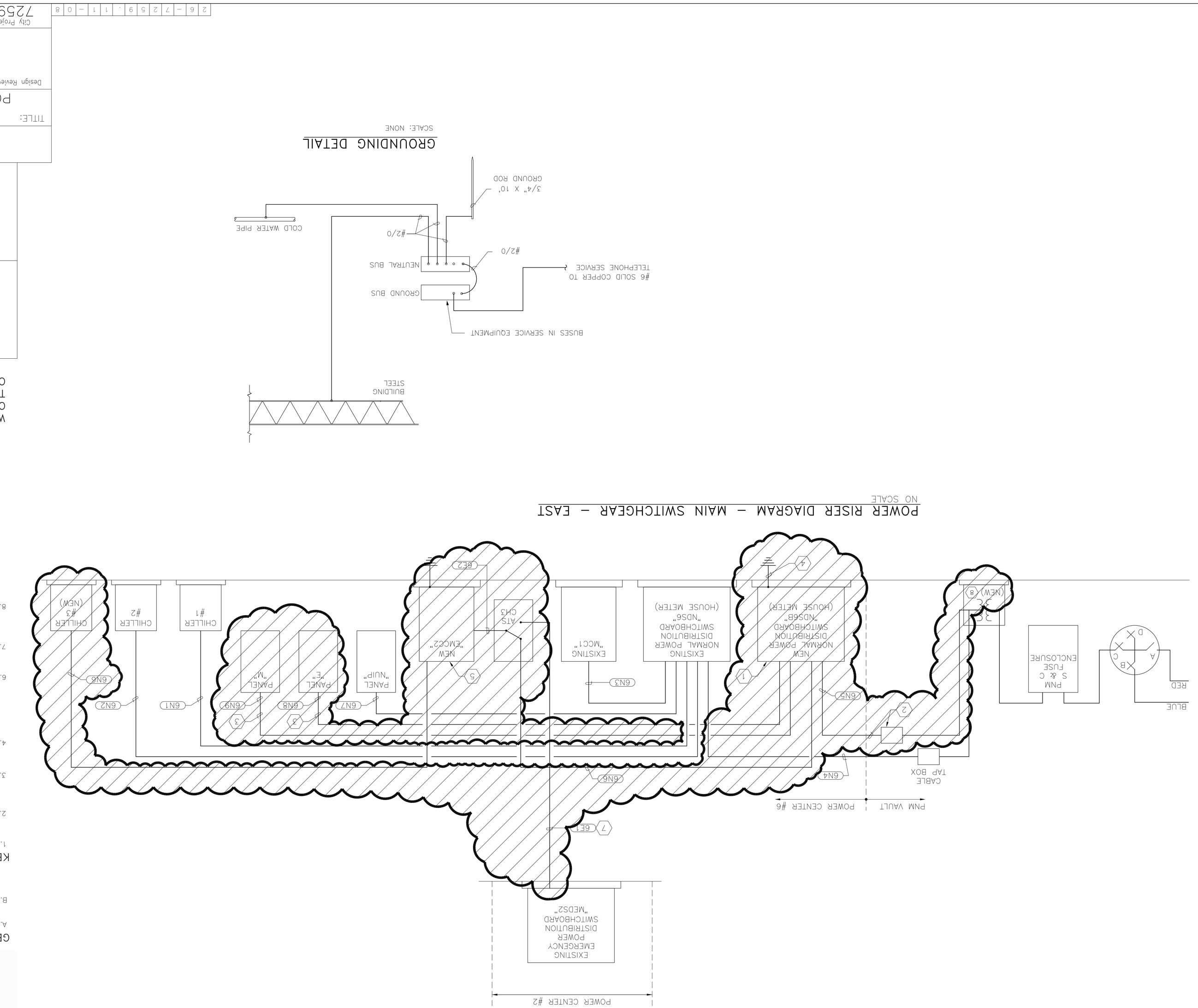
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	S1.1	3	15

26-7259.11-08

POWER RISER DIAGRAM – MAIN SWITCHGEAR – EAST

NO SCALE



GROUNDING DETAIL

SCALE: NONE

GENERAL NOTES:

A. REFER TO DRAWING E8.9 FOR FEEDER SCHEDULE.

B. REFER TO DRAWING E8.19 FOR SWITCHBOARD SCHEMATICS, ELEVATIONS AND SCHEDULES.

KEYED NOTES:

1. PROVIDE NEW 480/277V, 2000A SWITCHBOARD. REFER TO DRAWING E8.19 FOR COMPLETE DESCRIPTION.
2. PROVIDE 2000A COPPER, FEEDER BUS DUCT AND CABLE TAP BOX. COORDINATE MOUNTING LOCATIONS AND FINAL CONNECTIONS OF TAP BOX WITH PNM.
3. INTERCEPT EXISTING FEEDER IN CEILING SPACE AND EXTEND TO SWITCHBOARD "NDS6B".
4. #3/0 (CU) GROUNDING ELECTRODE, SIZED PER NEC ARTICLE 250. CONNECT GROUNDING ELECTRODE CONDUCTOR TO: 1.) COLD WATER PIPE, 2.) EFFECTIVELY GROUNDED BUILDING STEEL, 3) 3/4"x10' COPPER CLAD GROUND ROD, 4) ALL OTHER METAL PIPING SYSTEMS.
6. PROVIDE NEW 480/277V, 600A MOTOR CONTROL CENTER. REFER TO DRAWING E8.20 FOR COMPLETE DESCRIPTION.
7. COORDINATE EXACT ROUTING OF CONDUCTOR FROM POWER CENTER #2 TO POWER CENTER #2 WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN INSTALLATION.
8. NEW 2500KVA TRANSFORMER PROVIDE BY PNM. COORDINATE CONNECTION OF EXISTING SWITCHBOARD NDS6 AND NEW SWITCHBOARD NDS6B WITH PNM.

WORK SHOWN CROSSHATCHED ON THIS SHEET IS EXISTING TO REMAIN AND IS NOT IN CONTRACT.

ASCG INCORPORATED
ENGINEERS • ARCHITECTS • SURVEYORS • PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 • FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT MECHANICAL AND ELECTRICAL UPGRADES
POWER CENTER #6 – RISER DIAGRAM

Design Review Committee	City Engineer Approval	Last Design Update
Mo./Day/Yr.	Mo./Day/Yr.	

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E1.1	62	124

2 6 – 7 2 5 9 . 1 1 – 0 8

No.	By	Date	Field Notes

SURVEY INFORMATION

BENCH MARKS

AS BUILT INFORMATION

No.	Date	By	Remarks

REVISIONS

DESIGN

Checked By: ASCG
Drawn By: ASCG
Designed By: ASCG
Date:
Date:
Date:

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER, JR. NEW MEXICO NO. 16439 REGISTERED PROFESSIONAL ENGINEER

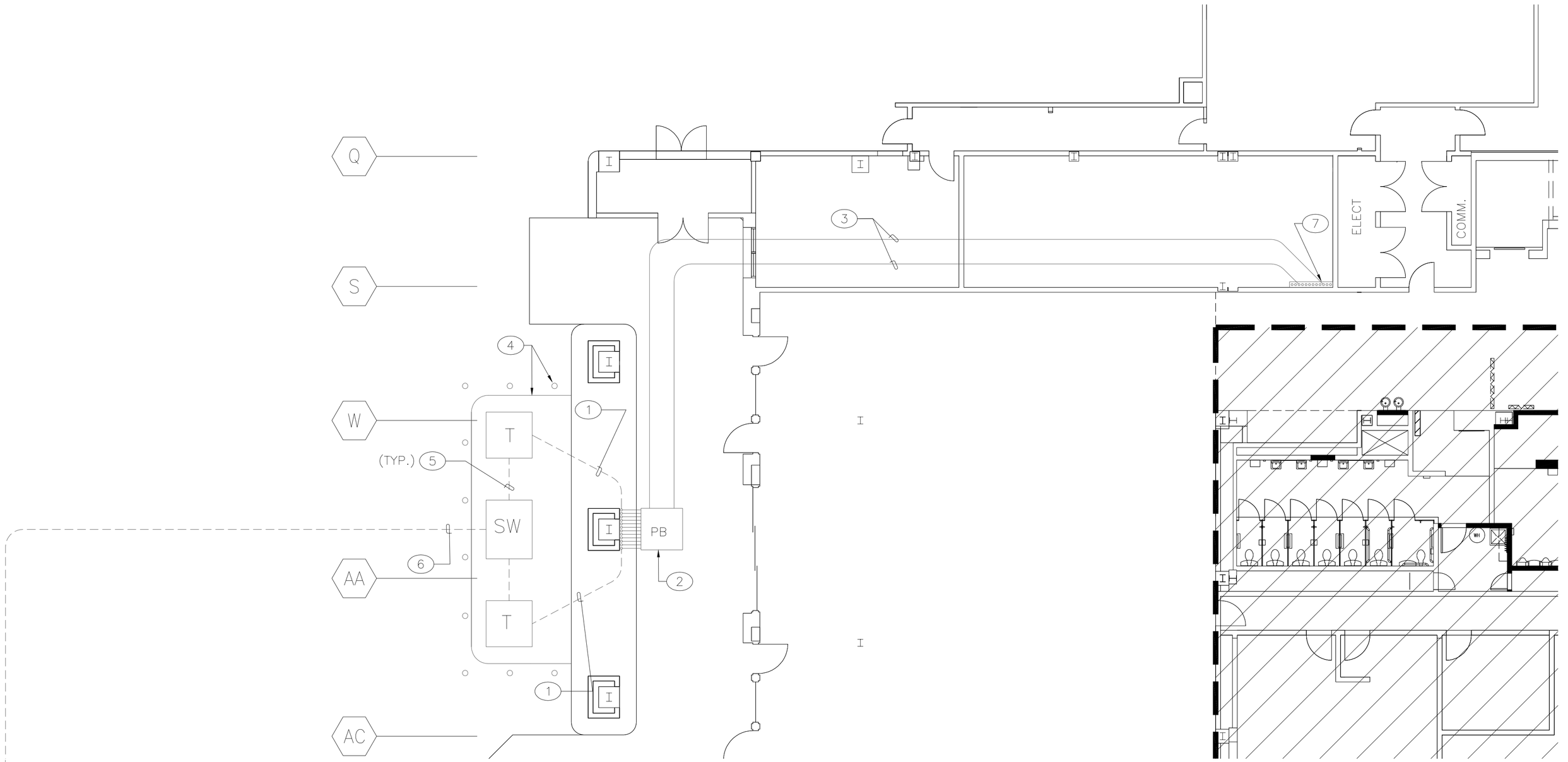
I William P. Foster, To the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

Contractor	
Work Started By	Date
Work Inspected By	Date
Acceptance By	Date
Final Verification By	Date
Drawings Checked By	Date
Drawings Corrected By	Date

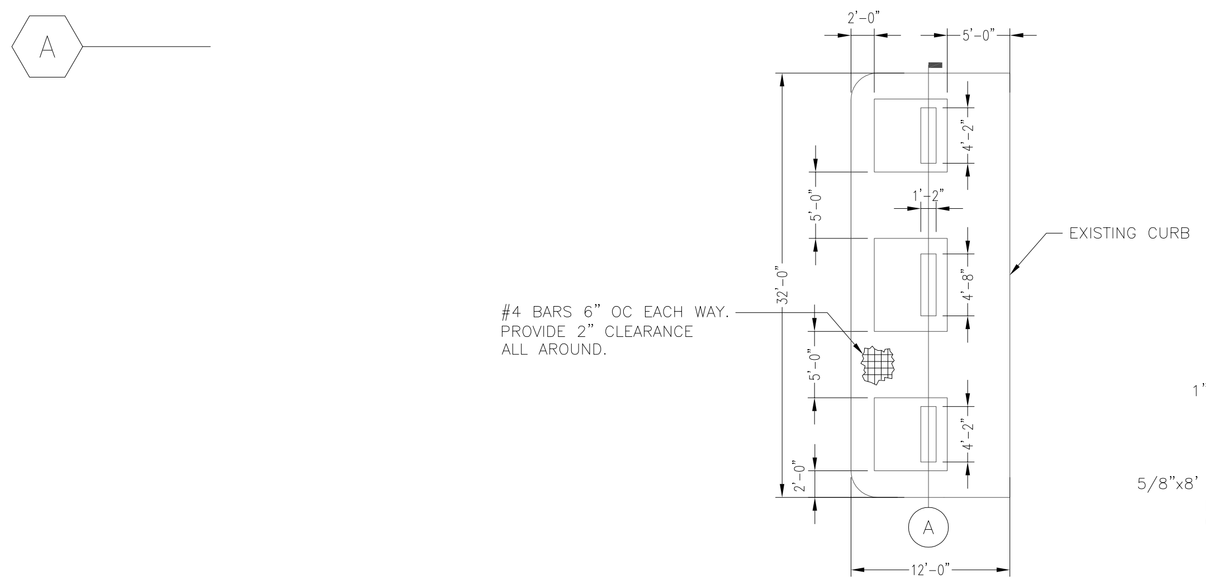
MICRO-FILM INFORMATION

Recorded By	Date

ABQ INTERNATIONAL SUNPORT

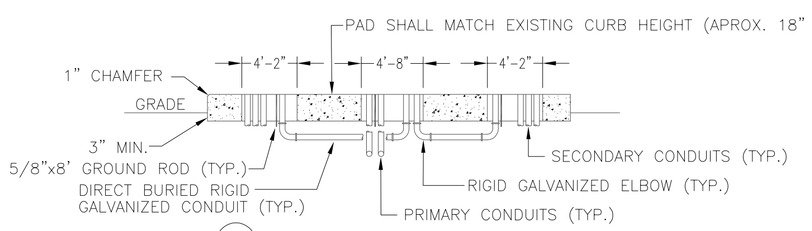


LEVEL 2 PARTIAL FLOOR PLAN – "D" GATE
1/8" = 1'-0"



COMBINED TRANSFORMER AND SWITCH PAD DETAIL

NOTE:
VERIFY ALL PAD DIMENSIONS WITH EQUIPMENT PROVIDED.



A TRANSFORMER PAD SECTION

GENERAL NOTES:

A. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED ASSEMBLES SHALL BE SEALED TO MAINTAIN THE RATING OF THE ASSEMBLY.

KEYED NOTES:

1. 6–3" CONDUITS EACH WITH 3–#500 KCMIL AND 1–#1/0 CONDUCTORS FROM TRANSFORMER TO PULL BOX. ROUTING IS DIAGRAMMATIC FIELD COORDINATE ROUTING AND MAKE ANY ADJUSTMENTS REQUIRED.
2. PROVIDE PULLBOX SIZED PER NEC.
3. EXTEND 12–3" CONDUITS EACH WITH 3–#500 KCMIL AND 1–#1/0 TO FLOOR PENETRATION ROUTING IS DIAGRAMMATIC FIELD COORDINATE ROUTING AND MAKE ANY ADJUSTMENTS REQUIRED.
4. PROVIDE NEW EQUIPMENT PAD AND BOLLARDS FOR NEW PNM PROVIDED EQUIPMENT. INSTALL PER PNM STANDARD DRAWING (DS–7–16.XX SERIES).
5. PROVIDE 1–5" WITH PULL CORD FROM SWITCH TO NEW TRANSFORM PRIMARY COMPARTMENT. REFER TO PNM STANDARD DRAWING DS–7–15.2 FOR ADDITIONAL INFORMATION.
6. PROVIDE TRENCH FOR NEW PNM CONDUITS APPROXIMATE LENGTH IS 150' (CONDUITS BY PNM). CUT AND PATCH AS REQUIRED. PROVIDE 3000 PSI CONCRETE FOR CONDUIT ENCASEMENT.
7. FOR CONTINUATION REFER TO DRAWING E3.3R1.
8. EXISTING PNM MH. EXCAVATION TO BE A MINIMUM OF 6'x6' NEXT TO MANHOLE TO FACILITATE CORE DRILLING (CORE DRILLING BY PNM).

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Stated By / Date
Inspected & Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO–FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | By | Remarks
DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

ASCG INCORPORATED
ENGINEERS • ARCHITECTS • SURVEYORS • PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110–5372
PHONE 505.247.0294 • FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as–built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

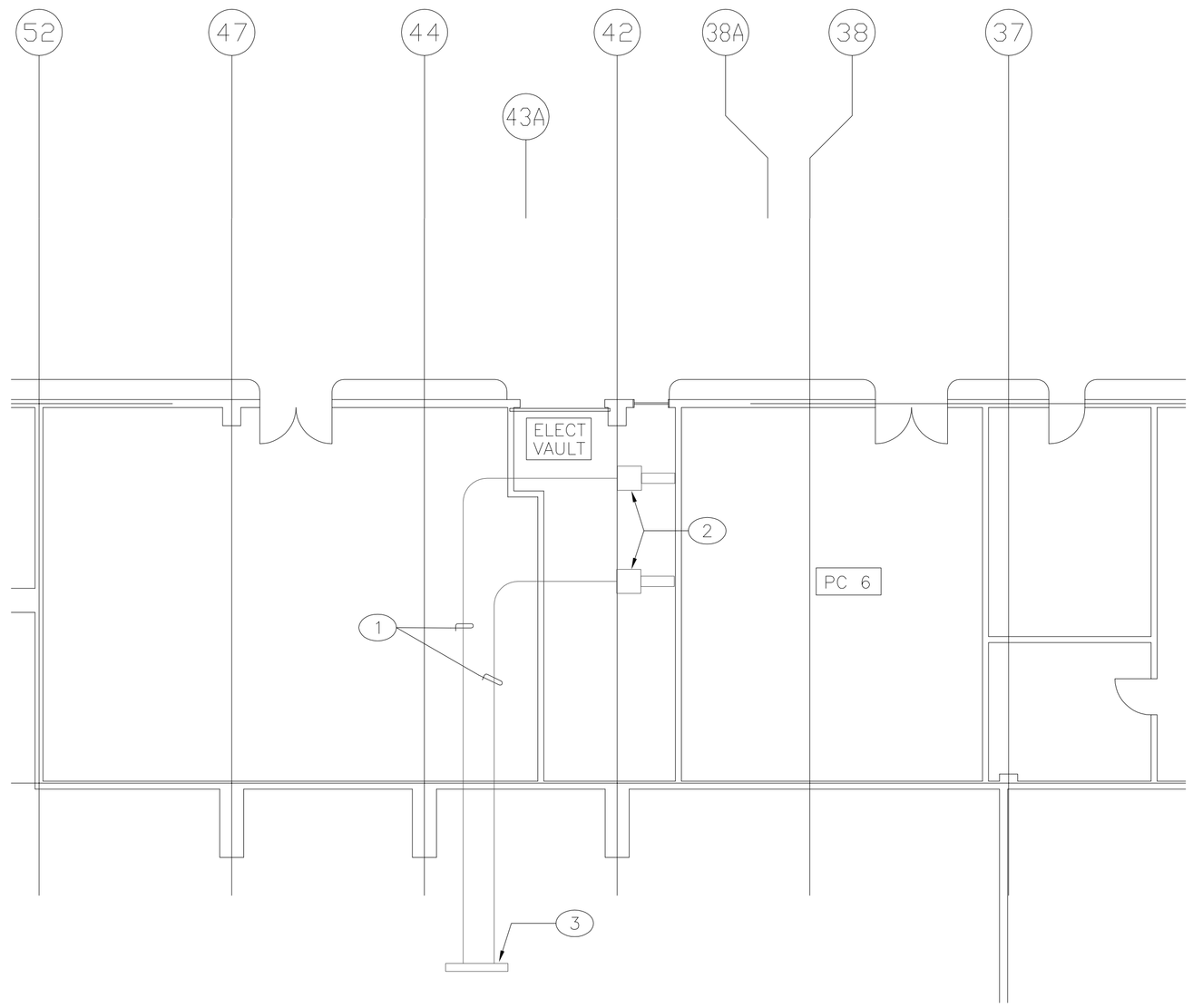
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
LEVEL 2 PARTIAL FLOOR PLAN – "D" GATE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M–16	E1.2	63	124

26–725911.11–08



LEVEL 1 PARTIAL FLOOR PLAN – TUNNEL
1/8" = 1'=-0"

GENERAL NOTES:

A. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED ASSEMBLES SHALL BE SEALED TO MAINTAIN THE RATING OF THE ASSEMBLY.

KEYED NOTES:

1 PROVIDE 12 RUNS OF 3" CONDUITS (6 FOR EACH TRANSFORMER) EACH WITH 3-#500 KCMIL AND 1-#1/0 GND. ROUTING SHOWN IS DIAGRAMMATIC FIELD COORDINATE ROUTING AND MAKE ANY ADJUSTMENTS REQUIRED.

2. PROVIDE NEW TAPBOX SIZED PER NEC. EXTEND NEW CONDUCTORS TO NEW TAP BOX AND MAKE ALL FINAL CONNECTIONS. PROVIDE NEW REDUCING LUGS AS REQUIRED.

3. FOR CONTINUATION SEE DRAWING E3.13R1.

ABQ INTERNATIONAL SUNPORT

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Completed By / Date
Acceptance By / Date
Field Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes
No. | By | Date

ENGINEER'S STAMP & SIGNATURE

WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER

I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By

DESIGN
Designed By: Date:
Drawn By: Date:
Checked By: Date:

ASCG
INCORPORATED
ENGINEERS • ARCHITECTS • SURVEYORS • PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 • FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

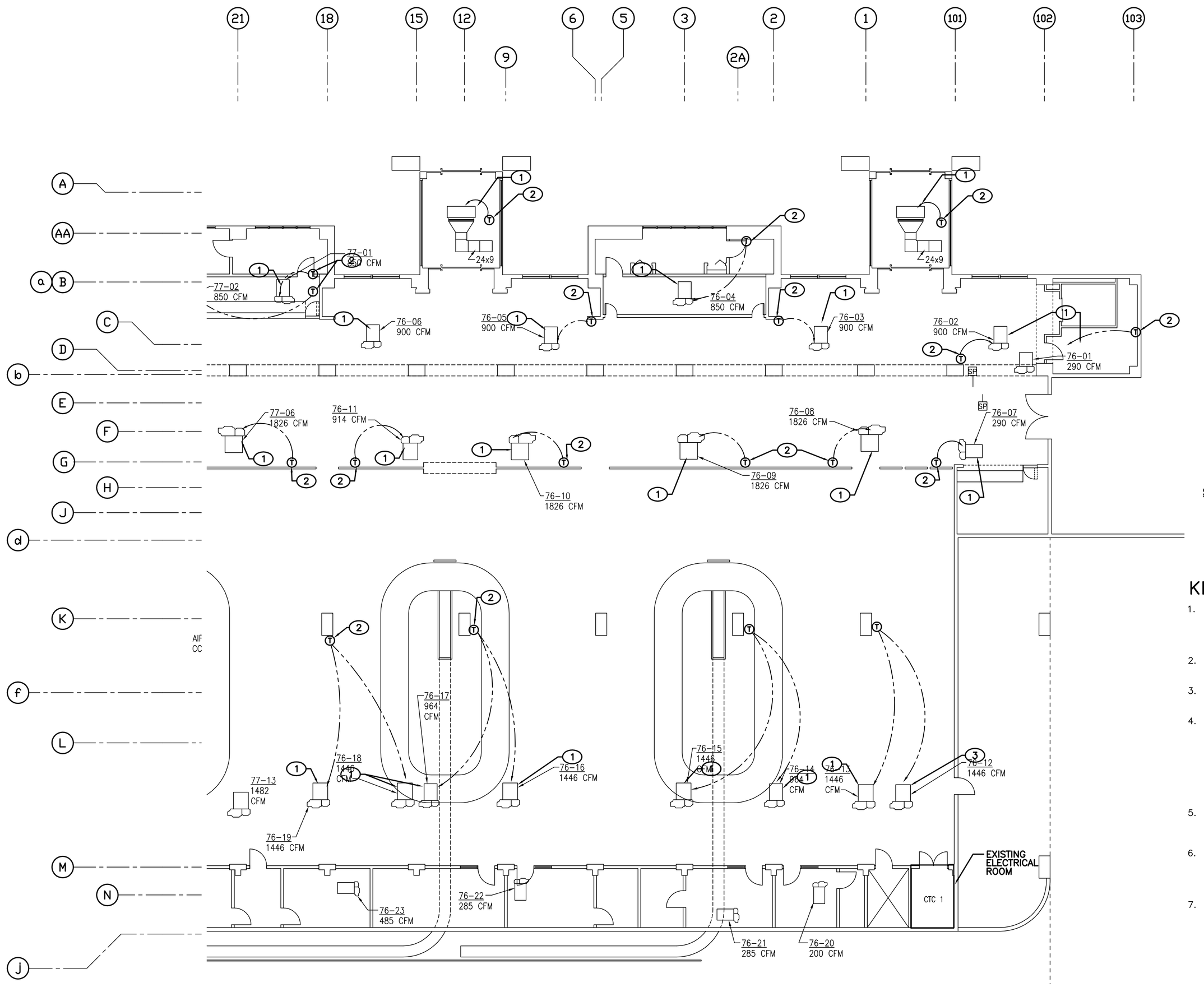
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
LEVEL 1 PARTIAL FLOOR PLAN – TUNNEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

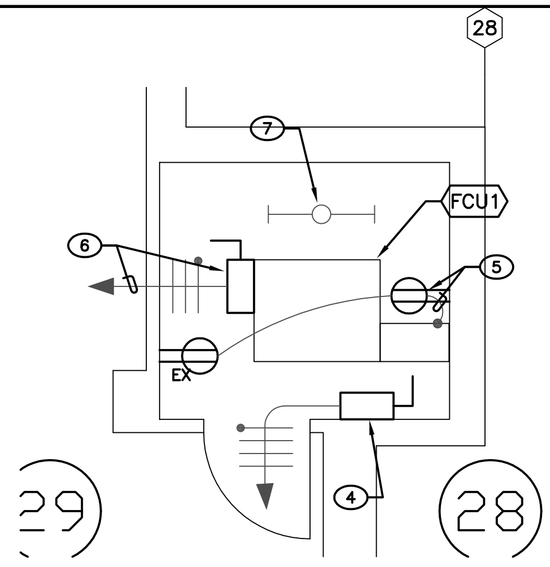
City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E1.3	64	124

2 6 – 7 2 5 9 . 1 1 – 0 8



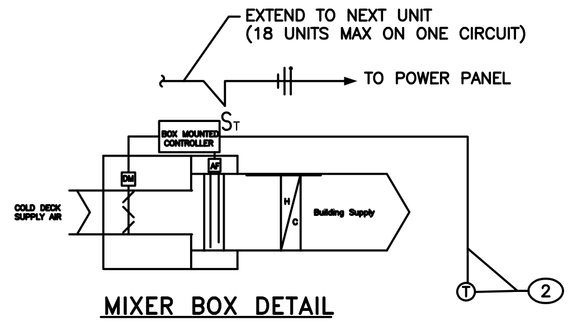
ELECTRICAL FLOOR PLAN – FIRST LEVEL

SCALE: 3/32" = 1'-0"



ELECTRICAL PARTIAL FLOOR PLAN – TUNNEL LEVEL ELEVATOR #1

SCALE: 1/4" = 1'-0"



MIXER BOX DETAIL

KEYED NOTES:

1. PROVIDE SAFETY SWITCH AND 120V POWER TO NEW CONTROLS TRANSFORMER. EXTEND CIRCUIT FROM NEAREST EMERGENCY PANEL. PROVIDE 20A-1P BREAKER IN AVAILABLE SPACE. SEE TYPICAL DETAIL THIS SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE 1/2"C AND J-BOX FROM T-STAT LOCATION TO UNIT CONTROLLED. COORDINATE LOCATION WITH MECHANICAL.
3. EXISTING ELECTRONIC MIXING BOX. DISCONNECT AND RECONNECT POWER TO EMERGENCY POWER CIRCUIT. REFER TO KEYED NOTE 1 ON THIS SHEET.
4. PROVIDE NEW 100A, 3P PLUG. INTERCEPT EXISTING FEEDER NEAR PANEL LOCATED IN ELECTRICAL RM. 3-15 NEAR COL. LINE 25/N. PROVIDE NEW SCREW COVER PULLBOX ABOVE CEILING, SIZE PER NEC. PULL EXISTING CONDUCTORS BACK TO NEW BOX, SPLICE AND EXTEND TO NEW BUSS PLUG. REFER TO PR-E05 FOR ADDITIONAL INFORMATION. EMERGENCY AND NORMAL POWER BUSS IS LOCATED IN LEVEL 1 BAGGAGE TUNNEL. PROVIDE CONTROL INPUT TO ELEVATOR CONTROLLER, COORDINATE REQUIREMENTS WITH ELEVATOR SUPPLIER.
5. EXTEND EXISTING 120V POWER CIRCUIT TO NEW RECEPTACLE. PROVIDE CORD AND PLUG FOR NEW CONDENSATE PUMP AND MAKE FINAL CONNECTIONS.
6. PROVIDE 30A, HD, FUSIBLE DISCONNECT SWITCH. COORDINATE MOUNTING WITH UNIT PROVIDED. FUSE PER MANUFACTURES RECOMMENDATIONS. EXTEND 3/4" CONDUIT WITH 3-#10 TO PANEL "E2B1L" PROVIDE NEW 30A-2P BREAKER IN AVAILABLE SPACE.
7. REMOVE EXISTING LIGHT FIXTURE FOR THIS AREA. PROVIDE NEW INDUSTRIAL FLUORESCENT FIXTURE WITH WIREGUARD METALUX # 1A-2/32-EB82-GW/IC-4FT-U OR EQUAL. CHAIN HANG FIXTURE AT 8' AFF. RECONNECT FIXTURE TO EXISTING LIGHTING CIRCUIT AND SWITCH FOR THIS AREA.

GENERAL NOTES:

A. THE DRAWINGS WERE GENERATED FROM EXISTING CONSTRUCTION DRAWINGS ISSUED FOR THE INSTALLATION OF THE SYSTEMS AS THEY ARE NOW INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS.

B. ⬡ INDICATES EXISTING EQUIPMENT SYMBOL.

C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS IN ORDER TO ALLOW HIM TO SUBMIT A COMPLETE BID FOR REMOVALS WITHIN THE SCOPE OF THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES ARISING DURING THE BID PERIOD IN REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT UP FOR CLARIFICATIONS WITH THE PROJECT ENGINEER.

D. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.

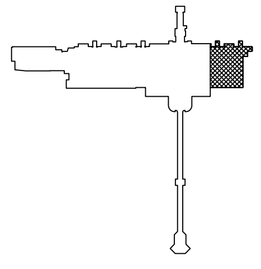
E. ALL CONTROL WIRE SHALL BE RATED FOR 600V.

F. PROVIDE JUNCTION BOX FOR T-STAT WITH 1/2" CONDUIT AND PULL CORD, TO MECHANICAL UNIT SERVED. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.

G. ALL ELECTRICAL PENETRATION THROUGH FIRE RATED BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.

H. THE CONTRACTOR AT HIS OPTION MAY EXTEND 120V POWER CIRCUIT TO MIXER BOXES FROM ASSOCIATED PENTHOUSE.

J. EXISTING ELECTRICAL SPACES IDENTIFIED ARE PROXIMATE. FIELD VERIFY LOCATION.



KEY PLAN-LEVEL 1 AREA 4
SCALE: NONE

ASCG
INCORPORATED
ENGINEERS · ARCHITECTS · SURVEYORS · PLANNERS
6501 AMERICAS PARKWAY NE, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110-5372
PHONE 505.247.0294 · FAX 505.242.4845

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

AS BUILT INFORMATION
Contractor
Work Started By / Date
Work Accepted By / Date
Final Verification By / Date
Drawings Corrected By / Date
MICRO-FILM INFORMATION
Recorded By / Date
No.

BENCH MARKS

SURVEY INFORMATION
Field Notes By / Date
No.

ENGINEER'S STAMP & SIGNATURE
WILLIAM P. FOSTER
STATE OF NEW MEXICO
NO. 16439
REGISTERED PROFESSIONAL ENGINEER
I William P. Foster, to the best of my knowledge, certify that this electronic version is identical to the original reproducible RECORD drawing signed by me on 09/8/2006.

REVISIONS
No. | Date | Remarks | By
Designed By: Date:
Drawn By: Date:
Checked By: Date:

RECORD DRAWING
This drawing, to the best of my knowledge, has been updated to include information received from the General Contractor to reflect as-built conditions. Actual installation may vary from this drawing due to changes made by the Contractor and not passed on for inclusion on the drawing.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ALBUQUERQUE INTERNATIONAL AIRPORT
MECHANICAL AND ELECTRICAL UPGRADES
ELECTRICAL FLOOR PLAN – FIRST LEVEL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Drawing No.	Sheet	Of
725911	M-16	E3.2	65	124

26-72591.11-08