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City of Albuquerque
Environmental Health Facility
Eastside Animal Services Center
Additions and Renovations
8920 Lomas Boulevard N.E.
Albuquerque, New Mexico 87111

City of Albuquerque Project No. 5219.90

GHH Project No. 9509

ARCHITECTURAL SYMBOLS LEGEND

Drawing No. / Sheet No.	WALL OR BUILDING SECTION CUT MARK
Drawing No. / Sheet No.	ENLARGED PLAN OR DETAIL REFERENCE MARK
Drawing No. / Sheet No.	ELEVATION REFERENCE MARK
	DOOR MARK
	KEYED NOTE
	ACCESSORIES MARK
	WINDOW MARK
	REVISION MARK
	EQUIPMENT MARK
CASE NO. 2	CASEWORK REFERENCE NUMBER
	ELEVATION MARK – NEW
	ELEVATION MARK – EXISTING
@	AT
A.F.F.	ABOVE FINISHED FLOOR
ALUM.	ALUMINUM
BTM.	BOTTOM
C.G.	CORNER GUARD
C.J./ CJ	CONTROL JOINT
℄	CENTER LINE
CMU	CONCRETE MASONRY UNIT
CONC.	CONCRETE
CONT.	CONTINUOUS
CPT	CARPET
C.S.C.I.	CONTRACTOR SUPPLIED, CONTRACTOR INSTALLED
DIA./ ø	DIAMETER
EA.	EACH
E.I.F.S.	EXTERIOR INSULATION & FINISH SYSTEM
E.J./ EJ	EXPANSION JOINT
EL./ ELEV.	ELEVATION
EQ.	EQUAL
E.W.C.	ELECTRIC WATER COOLER
EXIST.	EXISTING
F.D.	FLOOR DRAIN
F.E.C.	FIRE EXTINGUISHER CABINET
F.G.	FINISH GRADE
F.F.	FINISH FLOOR
FLR.	FLOOR
FT./ '	FOOT, FEET
F.O.	FACE OF
F.O.B.	FACE OF BRICK/BLOCK
F.O.F.	FACE OF FINISH
F.O.S.	FACE OF STUD
FS/ FD	FLOOR SINK/ FLOOR DRAIN
FRTW	FIRE RETARDANT TREATED WOOD
GA.	GAGE
GALV.	GALVANIZED
G.B./ GYP. BD.	GYPSUM BOARD
H/C	HANDICAP
HCWD	HOLLOW CORE WOOD
H/ HGT./ HT.	HIGH, HEIGHT
H.M.	HOLLOW METAL
H.M.I.	HOLLOW METAL INSULATED
I.D.	INSIDE DIAMETER
IN./ "	INCH, INCHES
JST. BRG./ J.B.	JOIST BEARING
L	LONG
MANUF.	MANUFACTURER
MAT'L.	MATERIAL
MCWD	MINERAL CORE WOOD
MAX.	MAXIMUM
MIN.	MINIMUM
M.O.	MASONRY OPENING
N.I.C.	NOT IN CONTRACT
NO./ #	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.E.	OWNER FURNISHED EQUIPMENT
OPP.	OPPOSITE
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED, OWNER INSTALLED
O.F.V.I.	OWNER FURNISHED, VENDOR INSTALLED
P-LAM.	PLASTIC LAMINATE
PLYWD.	PLYWOOD
R	RADIUS
R.D.	ROOF DRAIN
REV.	REVERSE
R.O.	ROUGH OPENING
SCWD	SOLID CORE WOOD
SIM.	SIMILAR
S.F./ SQ. FT.	SQUARE FEET
SQ.	SQUARE
S.S., S/S	STAINLESS STEEL
T/ TK./ THK.	THICK
T.O.	TOP OF
T.O.P.	TOP OF PARAPET
T.O.W.	TOP OF WALL
T.S.	TOP OF SLAB
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OR INDICATED OTHERWISE
VCT	VINYL COMPOSITION TILE
V.I.F.	VERIFY IN FIELD
W	WIDE
W/	WITH
W/O	WITHOUT
WD.	WOOD
W.W.F.	WELDED WIRE FABRIC

DESIGN DATA

ADDRESS:	8920 LOMAS BOULEVARD N.E. ALBUQUERQUE, NEW MEXICO 87111
PROPERTY ZONE:	SU-1 ANIMAL SHELTER & MAINTENANCE YARD
LEGAL DESCRIPTION:	TRACT 1A MUNICIPAL ADDITION NO. 2
ZONE MAP:	K-20
CONSTRUCTION TYPE:	III-N
OCCUPANCY GROUP:	B-2
ALLOWABLE AREA:	12,000 S.F. + 100% INCREASE FOR SEPARATION ON 3 SIDES = 24,000 S.F.

OCCUPANT LOADS (BASED ON '91 UBC TBL. 33-A):

BUILDING PORTION	NET SQ.FT./OCC. LOAD FACTOR = # OCCUPANTS
ADMINISTRATION (N. OF LOBBY)	890 SF / 100 SF PER OCC. = 9
KENNEL BLDG. NO. 4	650 SF / 100 SF PER OCC. = 7
ADMINISTRATION (S. OF LOBBY)	1868 SF / 100 SF PER OCC. = 19
PROPOSED ADDITION & KENNEL NO. 1	2396 SF / 100 SF PER OCC. = 24
KENNEL BLDG. NO. 2	510 SF / 100 SF PER OCC. = 5

GROSS FLOOR AREAS (HEATED AREA):

NEW CONSTRUCTION:	HEATED AREA
NEW ADDITION & KENNEL BLDG. NO. 1	4,490 SF
LOBBY EXPANSION	110 SF
KENNEL BLDG. NO. 2	1,350 SF
BULK STORAGE	720 SF
TOTAL NEW CONSTRUCTION	6,670 SF

EXISTING CONSTRUCTION TO REMAIN:	
ADMINISTRATION/ LOBBY	6,235 SF
DRIVE-THRU IMPOUND	2,275 SF
KENNEL BLDG. NO. 4	2,710 SF
TOTAL EXISTING CONSTRUCITON	11,220 SF

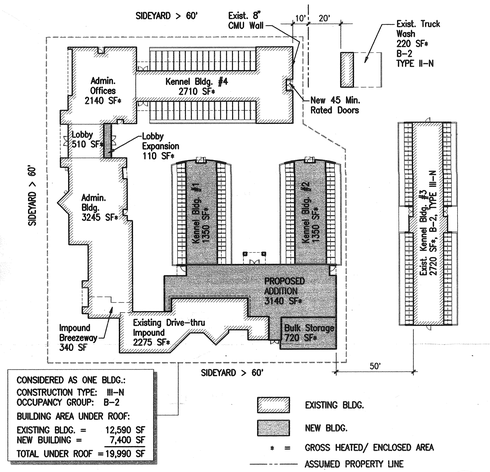
HANDICAP PARKING (PER NMBC):

TOTAL PARKING SPACES	65	
H/C SPACES	REQUIRED	PROVIDED
	4	4*

* ALL H/C SPACES ARE VAN ACCESSIBLE

The attached "Record Drawings" of the Project plans are prepared in the format prescribed by the City of Albuquerque. These documents were prepared with information provided by the Contractor to the Architect. The Contractor provided these documents as a part of its contractual services to the City of Albuquerque. In the act of providing these documents, the Contractor represented that the documents show the significant changes in the Work made during the construction process. The Architect reviewed and transferred the Contractor-provided information from these documents for the limited purpose of recording the changes cited by the Contractor. As such the Architect shall not be held responsible for the accuracy or adequacy of these documents.

Gregory T. Hicks 5.16.00



CODE SCHEMATIC
1:40

PROJECT TEAM

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CEDAR CREST, NEW MEXICO 87008
(505) 286-0000 FAX: (505) 286-1610

CIVIL — C. L. WEISS ENGINEERING, INC.
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SANDIA PARK, NEW MEXICO 87047
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6400 UPTOWN BOULEVARD, NE
SUITE 500E
ALBUQUERQUE, NEW MEXICO 87110
(505) 884-0700 FAX: (505) 884-2376

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3. C3.1 — SITE PLAN
4. C4.1 — SITE DETAILS

LANDSCAPE
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6. L2.1 — IRRIGATION PLAN
7. L3.1 — PLANTING & IRRIGATION SCHEDULES & DETAILS

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8. SO.1 — GENERAL NOTES & ABBREVIATIONS
9. SO.2 — TYPICAL DETAILS
10. S1.1 — FOUNDATION PLAN
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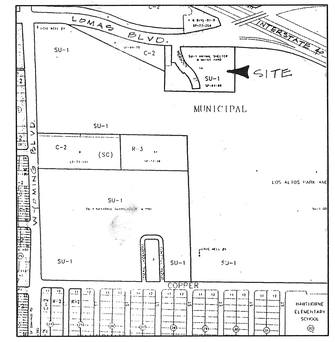
NOTE: SEE SHEET U1.1 FOR CITY OF ALBUQUERQUE GENERAL CONSTRUCTION NOTES (GENERAL NOTES).

APPROVAL OF AS BUILT DRAWINGS
CITY CONSTRUCTION ENGINEER
Ste1 Chang
DATE 6/2/00



LOCATION MAP K-20
N.T.S.

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

ARCHITECT'S STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	**********
STATE OF NEW MEXICO · GREGORY TYLER HICKS · 12310 · REGISTERED ARCHITECT	DRC Chairman	Billy G. Bobby	12/29/97	APPROVED FOR CONSTRUCTION
	Transportation		12/24/97	
	Water/Wastewater		12/24/97	
	Hydrology		12-12-97	
	Parks			City Architect Date
11/19/97	Constr. Mngmt.			Richard B Rogers 12/24/97 City Engineer Date
	City Project No.	5219.90	Sheet 1	Of 33

GREGORY T. hicks & ASSOC., p.c.
ARCHITECTS · PLANNERS
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112 Second St. S.W. (505) 243-7492 fax (505) 243-1106
SINCE 1980 · designing today designing TOMORROW ·

revisions:

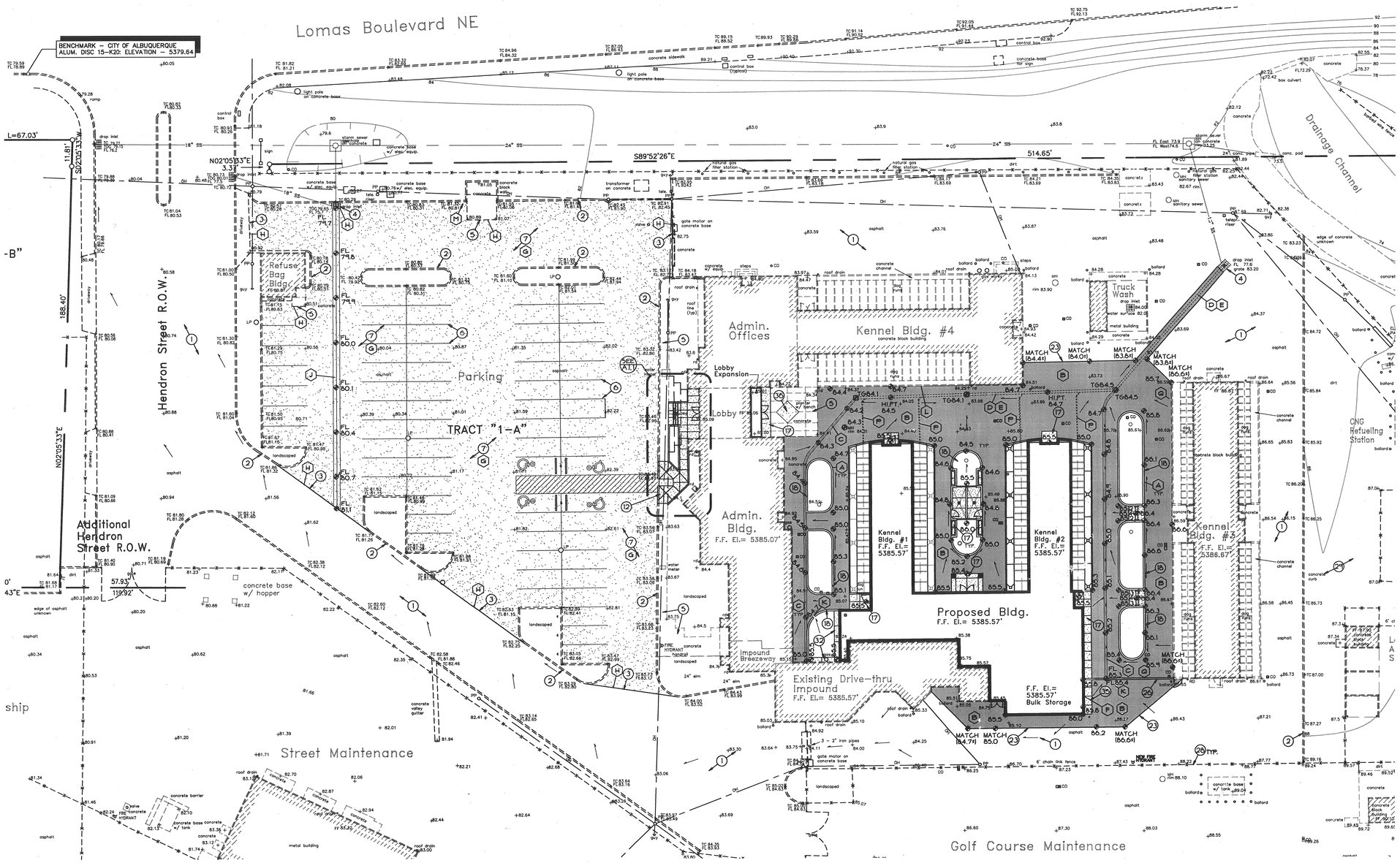
proj. no.: 9509
acad file: 9509CS
date: 11/18/97

RECORD DRAWINGS APRIL 2000

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title:
COVER SHEET, SYMBOLS LEGEND, INDEX & DESIGN DATA

CS



① KEYED NOTES: FROM SITE PLAN

1. EXISTING ASPHALT PAVING TO REMAIN.
2. EXISTING CONCRETE CURB TO REMAIN.
3. LIMIT OF ASPHALT OVERLAY.
4. EXISTING DROP INLET.
5. EXISTING CONCRETE PAVING TO REMAIN.
6. NEW PARKING LOT STRIPING. SEE ARCHITECTURAL
7. SEAL CRACKS AND OVERLAY EXISTING PAVED AREA SHOWN STIPPLED.
12. REMOVE PORTION OF EXISTING CURB AND WALK AND CONSTRUCT NEW CURB RAMP.
17. NEW 4" THICK PORTLAND CEMENT CONC. PAVING. SEE SITE DETAILS.
18. CONC. PLANTER CURB. SEE SITE DETAILS.
23. LIMITS OF EXISTING PAVING REMOVAL AND LIMITS OF NEW ASPHALT PAVING.
26. CMU SCREEN WALL. SEE SITE DETAILS.
28. EXISTING FENCE.
29. UNPAVED AREA TO REMAIN.
32. 24"W PORTLAND CEMENT CONCRETE APRON.
35. 6" THICK PORTLAND CEMENT CONCRETE APRON W/ 6X6 - 10X10 WWF
36. REMOVE EXISTING TREE AND ROOT SYSTEM. REMOVE EXISTING CONCRETE CURB. INFILL AREA WITH 4" PORTLAND CEMENT CONCRETE PAVING.

Ⓐ KEYED NOTES: DRAINAGE / GRADING

A. PROVIDE ASPHALT PAVING AROUND LANDSCAPED PLANTER AREAS AT ELEVATIONS SHOWN TO DIRECT FLOWS TO PROPOSED VALLEY GUTTERS.

B. INSTALL ASPHALT PAVING AT ELEVATIONS SHOWN. PROVIDE POSITIVE DRAINAGE TO VALLEY GUTTER / STORM DRAIN INLETS. MATCH EXISTING PAVING ELEVATIONS TO PROVIDE SMOOTH RIDING TRANSITIONS.

C. CONSTRUCT 12" WIDE X 1/2" DEEP CONCRETE VALLEY GUTTERS TO DIRECT FLOWS TO PROPOSED DROP INLETS. MIN. SLOPE = 0.0050'/'.

D. CONSTRUCT 12" STORM DRAIN SYSTEM TO CARRY FLOWS FROM THREE PROPOSED TYPE 'D' CATCH BASINS TO EXISTING STORM DRAIN AS SHOWN. SEE DETAIL FOR TOP OF GRATE / FLOWLINE ELEVATIONS. INSTALL PER C.O.A. STD. DWGS. 2226 AND 2220.

E. SAWCUT EXISTING PAVING AS REQUIRED THIS AREA TO INSTALL 12" DIA. STORM DRAIN TO EXISTING CATCH BASIN. REPAVE PER ASPHALT PAVING SECTION THIS SHEET. PROVIDE SMOOTH RIDING TRANSITION.

F. PROVIDE A Ø2' HIGH CONCRETE RAMP DOWN TO F.F. THIS AREA TO PREVENT FLOWS FROM ENTERING BUILDING. SEE ARCHITECTURAL FOR ADDITIONAL INFORMATION.

G. CONTRACTOR TO SEAL CRACKS AND PROVIDE ASPHALT SURFACE COURSE FOR AREA SHOWN STIPPLED. CORRECT ANY DRAINAGE DEFICIENCIES TO ENSURE THAT ALL NEW CONSTRUCTION HAS POSITIVE DRAINAGE. SEE PAVING SECTION THIS SHEET. SEE ARCHITECTURAL FOR ADDITIONAL INFORMATION.

H. CONTRACTOR TO GRIND ASPHALT DOWN 1-1/2" WITHIN A 2' STRIP ADJACENT TO DUMPSTER PAD, EXISTING STORM DRAIN INLET, AT GATED ENTRANCE AND AT EXISTING RAMP AS SHOWN PRIOR TO REPAVING.

J. CONSTRUCT 134 LF 3' WIDE X 3/4" DEEP CONCRETE VALLEY GUTTER AT ELEVATIONS SHOWN TO DIRECT FLOWS TO EXISTING STORM DRAIN INLET. SAWCUT AND REPAVE AS REQUIRED TO PROVIDE SMOOTH RIDING TRANSITION WITH VALLEY GUTTER GRADES.

K. PROVIDE 1' WIDE OPENING IN CURB/WALL THIS AREA TO ALLOW FLOWS TO PASS TO PAVING.

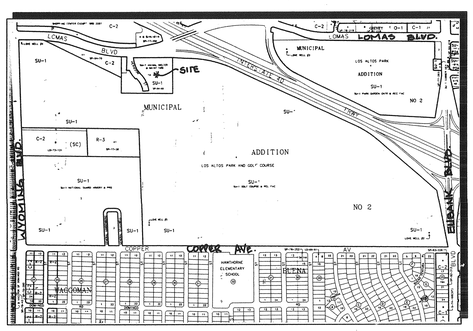
L. NOTE: TOP OF PAVING ALONG EXISTING NORTH BUILDING CURB HAS BEEN RAISED TO 84.7 TO ENSURE POSITIVE DRAINAGE TO STORM DRAIN INLETS.

M. GRIND ASPHALT DOWN THIS AREA TO ENSURE POSITIVE DRAINAGE FROM REFUSE AREA. FIELD ADJUST AS REQUIRED.

N. SHADED STRIP REFERS TO MIN. 3' WIDE ACCESSIBLE ROUTE. 1:20 MAX. SLOPE WITH 1:48 MAX. CROSS SLOPE.

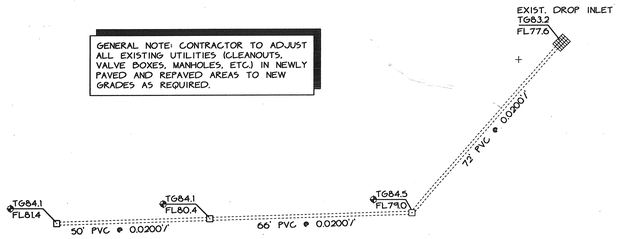
P. INSTALL 4" DIA. PVC STORM DRAINS TO CARRY ROOF FLOWS TO PROPOSED 12" DIA. STORM DRAIN SYSTEM. MAKE CONNECTION USING STANDARD PVC WYE AT SPRINGLINE OF 12" DIA. STORM SEWER. SEE ARCHITECTURAL FOR ADDITIONAL INFORMATION.

Q. SEE PARTIAL DG PLAN THIS SHEET AND KEYED NOTE N. FOR ACCESSIBLE ROUTE REQUIREMENTS.

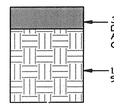


VICINITY MAP K-20

GENERAL NOTE: CONTRACTOR TO ADJUST ALL EXISTING UTILITIES (CLEANOUTS, VALVE BOXES, MANHOLES, ETC.) IN NEWLY PAVED AND REPAVED AREAS TO NEW GRADES AS REQUIRED.

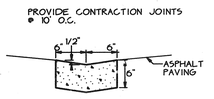


STORM SEWER DESIGN
NTS

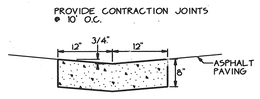


PAVING SECTION
NTS

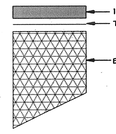
SEE GEOTECHNICAL EVALUATION REPORT - PAGE 4 - BY AGRA EARTH AND ENVIRONMENTAL, INC. FOR ASPHALTIC CONCRETE PAVING AREA PREPARATION AND MATERIAL MINIMUM COMPACTION REQUIREMENTS.



VALLEY GUTTER
NEW PAVING
NTS



VALLEY GUTTER
OVERLAY AREA
(PER C.O.A. STD. DWG. 2415)
NTS

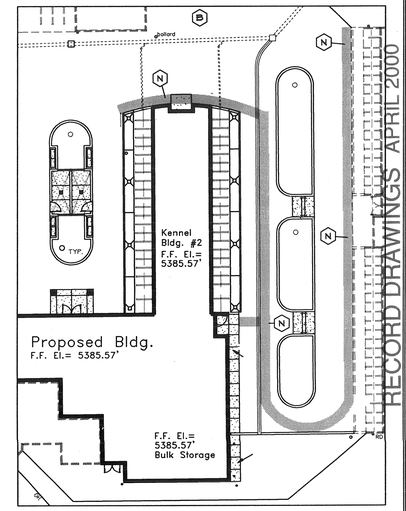


OVERLAY PAVING SECTION
NTS

LEGEND

- SIDEWALK, CURB AND GUTTER (EXISTING, PROPOSED)
- PROPOSED PAVED DRIVE
- BUILDING (EXISTING, PROPOSED)
- PROPERTY LINE
- 65.7 EXISTING SPOT ELEVATION
- 20 EXISTING CONTOUR
- 75.2 PROPOSED SPOT ELEVATION
- 75.2 FUTURE SPOT ELEVATION
- 30 PROPOSED CONTOUR
- SURFACE FLOW DIRECTION (EXISTING, PROPOSED, ROOF)
- LA LANDSCAPED AREA
- RD ROOF DRAIN
- TA TOP OF ASPHALT
- TC TOP OF CURB
- FL FLOW LINE
- FF FINISHED FLOOR
- R/W RIGHT OF WAY
- PL PROPERTY LINE
- PP POWER POLE
- ENTRY / EXIT LOCATION

DRAINAGE AND GRADING PLAN
SCALE: 1" = 20'-0"
0 5 10 20 40



ACCESSIBLE ROUTE PLAN
SCALE: 1" = 20'-0"
0 5 10 20 40

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED DEC 24 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 2 Of 33

C.L. WEISS ENGINEERING, INC.
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1100 ALVARADO DR. NE · ALBUQUERQUE, N.M. · 87110 · (505) 266-3444

dg6.DWG 12/16/97 09:50:57

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ARCHITECTS · PLANNERS
The Sunshine Building
Albuquerque, New Mexico 87102
112 Second St. S.W.
(505) 243-1492 fax (505) 243-1506
SINCE 1980
• designing today designing tomorrow •

CHRISTOPHER L. WEISS NEW MEXICO 12-19-97 REGISTERED PROFESSIONAL ENGINEER

revisions:

proj. no.: 9509
acad file: DG3
date: 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title: Drainage and Grading Plan

C1.1

PROJECT RECORD DRAWINGS

Lomas Boulevard NE

I-40 On-Ramp

A - Storm Drain
B - 3" Roof Drains

Hendron Street R.O.W.

Additional Hendron Street R.O.W.

Drainage Channel

Refuse Bag Bldg.

Parking

TRACT "1-A"

Admin. Offices

Kennel Bldg. #4

Animal Services Center

Lobby

Admin. Bldg.
F.F. El.= 5385.07'

Kennel Bldg. #1
44 Runs

Kennel Bldg. #2
44 Runs

Kennel Bldg. #3
F.F. El.= 5386.67

Proposed Bldg.
F.F. El.= 5385.57'

Impound Breezeway

Existing Drive-thru Impound
F.F. El.= 5385.57'

Bulk Storage

Truck Wash

CNG Refueling Station

CONST. STAGING AREA

Large Animal Shed

Street Maintenance

Golf Course Maintenance

Los Altos Park Golf Course

Los Altos Park Golf Course

N02°05'33"E 3.37'

S89°52'26"E 514.65'

S02°05'33"W 11.81'

188.40'

N02°05'33"E 119.92'

57.93'

N43°10'18"E 10.00'

R=330.71' L=282.37'

R=244.58' L=201.03'

R=322.58' L=263.73'

S89°20'43"E 80.00'

N89°20'43"W 673.34'

S00°24'17"W 443.54'

SITE PLAN

SCALE: 1" = 20'-0"

0 5 10 20 40

GENERAL NOTES

A. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO COMMENCEMENT OF WORK. REPORT DISCREPANCIES TO THE ARCHITECT AND VERIFY THE ARCHITECT'S INTENT BEFORE PROCEEDING.
B. COORDINATE WITH SITE LANDSCAPE AND GRADING & DRAINAGE PLANS.
C. LOCATIONS OF PROPERTY LINES, EXISTING CONDITIONS/IMPROVEMENTS AND NEW IMPROVEMENTS ON THIS SITE PLAN ARE APPROXIMATE. DO NOT SCALE THIS PLAN. FIELD VERIFY LOCATIONS OF ALL ITEMS PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES TO THE ARCHITECT AND VERIFY THE ARCHITECT'S INTENT BEFORE PROCEEDING.
D. BUILDING AND SITE IMPROVEMENT LAYOUT IS PARALLEL AND PERPENDICULAR TO THE EXISTING BUILDING.
E. THE OWNER MAINTAINS FIRST RIGHT OF REFUSAL OF ALL SALVAGABLE ITEMS NOT INDICATED FOR REUSE. THE CONTRACTOR SHALL DELIVER SUCH ITEMS AS DIRECTED BY THE OWNER'S REPRESENTATIVE TO THE OWNER'S STORAGE FACILITY. ITEMS THAT ARE NOT REQUESTED FOR SALVAGE TO THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR.

KEYED NOTES

1. EXISTING ASPHALT PAVING TO REMAIN.
2. EXISTING CONCRETE CURB TO REMAIN.
3. LIMIT OF ASPHALT OVERLAY.
4. EXISTING DROP INLET.
5. EXISTING CONCRETE PAVING TO REMAIN.
6. NEW PARKING LOT STRIPING.
7. SEAL CRACKS AND OVERLAY EXISTING PAVED AREA SHOWN STIPPLED.
8. PAINTED INTERNATIONAL SYMBOL OF ACCESSIBILITY.
9. POST MOUNTED HANDICAP PARKING SIGN @ BOTH SIDES OF POST. SEE SITE DETAILS.
10. PAINTED ACCESS AISLE & CROSSWALK WITH 4"W STRIPES @ 36" O.C.
11. REMOVE EXISTING CONCRETE STEPS.
12. REMOVE PORTION OF EXISTING CURB AND WALK AND CONSTRUCT NEW CURB RAMP.
13. PRECAST CONCRETE WHEEL STOPS, SEE SITE DETAILS.
14. EXISTING LIGHT POLE W/ CONCRETE BASE.
15. REMOVE EXISTING BOLLARDS.
16. NEW POST MOUNTED RESERVED PARKING SIGN, SEE SITE DETAILS.
17. NEW 6" TK. PORTLAND CEMENT CONCRETE PAVING. SEE SITE DETAILS.
18. CONCRETE PLANTER CURB. SEE SITE DETAILS.
19. SAWCUT AND REMOVE ALL EXISTING PAVING WITHIN THIS HATCHED AREA. PAVE WITH ASPHALT CONCRETE PAVING PER TYPICAL PAVING SECTIONS. SEE GRADING AND DRAINAGE PLAN.
20. CONCRETE DRAINAGE TROUGH AND EXTERIOR KENNEL RUNS, SEE FLOOR PLAN.
21. EXISTING BUILDING SHOWN DASHED TO BE DEMOLISHED AND REMOVED ENTIRELY FROM SITE.
22. NOT USED.
23. APPROXIMATE LIMITS OF EXISTING PAVING REMOVAL (WITHIN HATCHED AREA) AND LIMITS OF NEW ASPHALT PAVING. COORDINATE WITH GRADING AND DRAINAGE PLAN.
24. NOT USED.
25. BOLLARD, SEE SITE DETAILS.
26. CMU SCREEN WALL, SEE SITE DETAILS.
27. CHAIN LINK GATE HUNG OFF END OF CMU SCREEN WALL. PROVIDE WITH LATCH AND PADLOCK HASP.
28. EXISTING FENCE.
29. UNPAVED AREA TO REMAIN.
30. CONCRETE LIGHT POLE BASE, SEE ELECTRICAL.
31. CONCRETE STEPS WITH STEEL PIPE HANDRAILS. SEE D/ C4.1.
32. 24'W x 4"TK PORTLAND CEMENT CONCRETE APRON.
33. BENCH.
34. NOT USED.
35. 6" TK PORTLAND CEMENT CONCRETE APRON W/ 6X6-10X10 WWF.
36. REMOVE EXISTING TREE & ROOT SYSTEM, REMOVE EXISTING CONCRETE CURB, INFILL AREA W/ 4" THICK AND 4" DEPTH OF CONCRETE PAVING.
37. REMOVE EXISTING STEEL PICKET FENCE.
38. CONCRETE VALLEY GUTTER, SEE DRAINAGE PLAN.
39. DROP INLET, SEE GRADING PLAN.
40. STORM DRAINAGE PIPE, SEE GRADING PLAN.
41. OPAQUE TEMPORARY FENCING.
42. OPEN MESH TEMPORARY FENCING AND GATES.
43. OPENING IN WALL OR CURB, SEE CIVIL.
44. ADDITIONAL STAGING AREA AVAILABLE, UP TO 300 FEET EAST OF FENCE LINE.
45. CONTRACTOR MAY PROVIDE A TEMPORARY GATE AT THIS LOCATION AT HIS OPTION TO ACCESS ADDITIONAL STAGING AREA.
46. PLANTER CURB WITH STEEL PIPE HANDRAIL. SEE W/ C4.1.
47. MAGNUM DOOR STOPS. SEE T/ C4.1.

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

City Engineer Approval

DEC 2 9 1997

DESIGN REVIEW COMMITTEE

Last Design Update	No./Day/Yr.	No./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 3 | Of 33

Gregory T. hicks & ASSOC., P.C.
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• designing today designing tomorrow •

date 12/22/97

revisions

proj. no. 9509

acad file 9509C31

date 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title
SITE PLAN

C3.1

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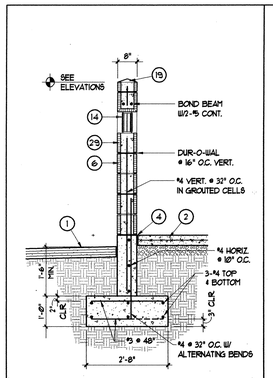
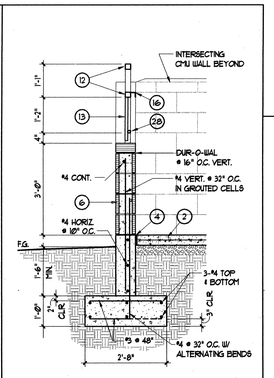
KEYED NOTES

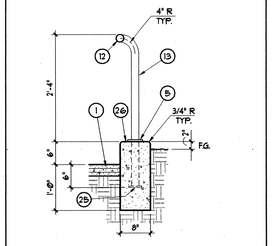
1. TYPICAL ASHPALT PAVEMENT SECTION.
2. CONCRETE PAVING WITH WELDED-WIRE FABRIC THROUGHOUT WITH CONTROL AND EXPANSION JOINTS AS SHOWN ON DRAWINGS OR SPECIFICATIONS.
3. NOT USED.
4. 1/2" EXPANSION JOINT MATERIAL.
5. PIPE ESCUTCHEON, PAINT.
6. CMU. TYPE AS INDICATED ON ELEVATIONS.
7. NOT USED.
8. TOOLED GROOVES 2" O.C. @ 1:12 RAMPED PORTION.
9. HEAVY BROOM FINISH @ FLARED SIDES, TYP.
10. 6" DIA. STEEL PIPE WITH STEEL TOP CAP. FILL WITH CONCRETE, PAINT.
11. CONCRETE FOUNDATION.
12. WELDED STEEL FENCE FRAME FROM 2" SQ. STEEL TUBE, PAINT. BOLT TO CMU WALL @ SIDES.
13. 1" SQ. STEEL TUBE PICKETS WELDED TO FRAME, PAINT.
14. 8" x 8" GLASS BLOCK WINDOW.
15. SIGN BOLTED TO POST.
16. 2" x 2" x 1/4" x 2" LONG STEEL ANGLE WELDED TO FRAME AND BOLTED TO END OF INTERSECTING WALL.
17. PRECAST CONCRETE PARKING BUMPER.
18. #5 x 24" LONG REBAR STAKES.
19. KNOCK-OUT BOND BEAM WITH 2 EA. #5 CONTINUOUS FORM SMOOTH CONTINUOUS CROWN WITH CONCRETE GROUT.
20. SLOPE TREADS 1/4" FT. TO NOSE.
21. 4" x 4" STEEL TUBE POST W/ WELDED CAP.
22. GROUT ALL CELLS SOLID BELOW GRADE.
23. 1-1/2" DIA. STEEL PIPE HANDRAIL SET IN STEEL SLEEVES WITH EPOXY GROUT. PAINT.
24. METAL STAIR NOSINGS, FULL WIDTH OF STAIR, SET IN CONCRETE.
25. STEEL PIPE SLEEVE SET IN CONCRETE.
26. 6" CONC. CURB, SEE DETAIL THIS SHEET.
27. LINE OF PLANTER CURB BEYOND, FOLLOW SLOPE OF STEPS.
28. 1" x 1" CONT. STEEL BAR STOCK.
29. POUR CELL SOLID AND PROVIDE SMOOTH CEMENT WASH @ SILL WHERE GLASS BLOCK OCCUR.
30. DOOR BUMPER MOUNTED ON PIPE.
31. 2 1/2" STEEL PIPE HAIRPIN STOP SET IN SLEEVES W/ EPOXY GROUT.
32. 1/4" STEEL STRAP WELDED TO SLEEVES.
33. 12" WIDE CONCRETE FOUNDATION.



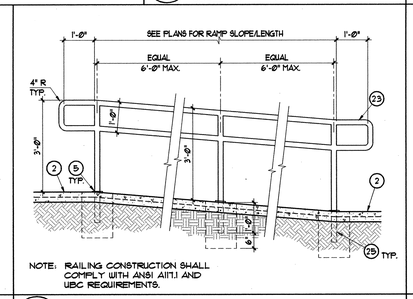
16 SECTION
ISLAND ENCLOSURE WALL
SCALE: 1/2"=1'-0"



15 SECTION
END SECTION
ISLAND ENCLOSURE
SCALE: 1/2"=1'-0"

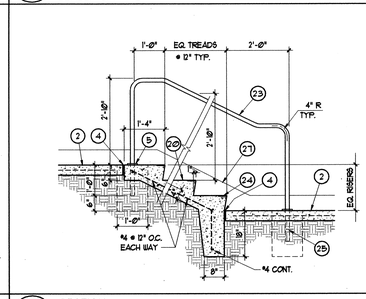


14 SECTION – CONC.
PLANTER CURB W/ HANDRAIL
SCALE: 3/4"=1'-0"

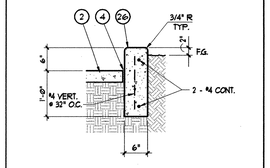


NOTE: RAILING CONSTRUCTION SHALL COMPLY WITH ANSI A117.1 AND UBC REQUIREMENTS.

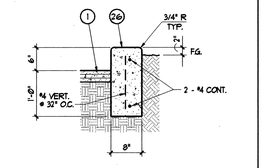
13 SECTION
RAMP W/ FREE-STANDING HANDRAIL
SCALE: 1/2"=1'-0"



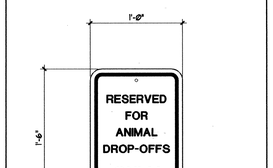
12 SECTION
STAIR W/ FREE-STANDING HANDRAIL
SCALE: 1/2"=1'-0"



11 SECTION
6" CONC. CURB
SCALE: 3/4"=1'-0"



10 SECTION
CONC. PLANTER CURB
SCALE: 3/4"=1'-0"

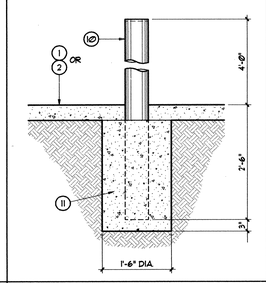


ALL SIGNS SILK SCREEN PAINTED ON 16 GA. GALV. METAL WHITE GRAPHICS ON DARK BLUE BACKGROUND

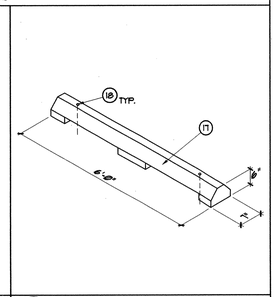
9 DETAIL
RESERVED PARKING SIGN
SCALE: 1 1/2"=1'-0"

ALL SIGNS SILK SCREEN PAINTED ON 16 GA. GALV. METAL WHITE GRAPHICS ON DARK BLUE BACKGROUND

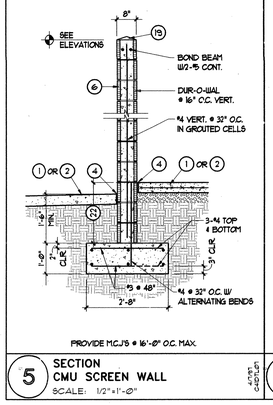
8 DETAIL
H/C PARKING SIGN
SCALE: 1 1/2"=1'-0"



7 SECTION
STEEL PIPE BOLLARD
SCALE: 3/4"=1'-0"

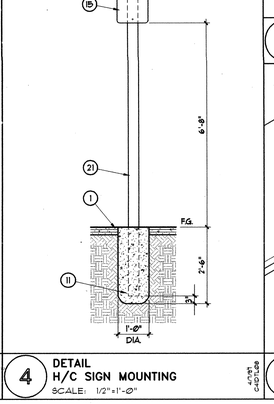


6 DETAIL
CONCRETE BUMPER STOP
SCALE: 1/2"=1'-0"

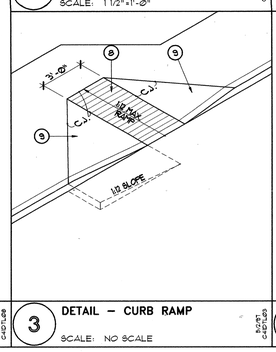


PROVIDE M.C.J.'S @ 16'-0" O.C. MAX.

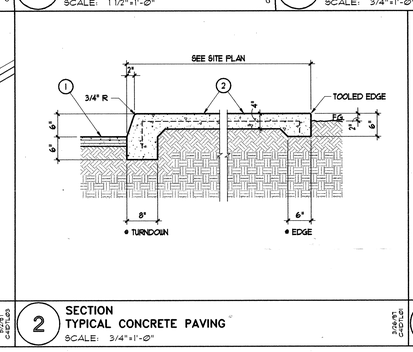
5 SECTION
CMU SCREEN WALL
SCALE: 1/2"=1'-0"



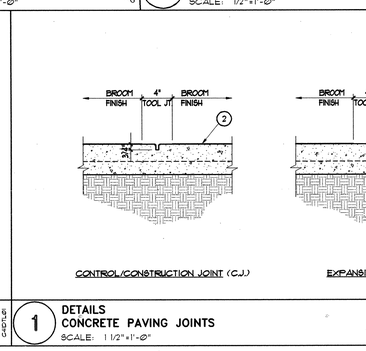
4 DETAIL
H/C SIGN MOUNTING
SCALE: 1/2"=1'-0"



3 DETAIL – CURB RAMP
SCALE: NO SCALE



2 SECTION
TYPICAL CONCRETE PAVING
SCALE: 3/4"=1'-0"



1 DETAILS
CONCRETE PAVING JOINTS
SCALE: 1 1/2"=1'-0"

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED 11/29/97 DESIGN REVIEW COMMITTEE
City Engineer Approval

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5219.90	K-20	4	33

STATE OF NEW MEXICO · GREGORY T. HICKS 1230 REGISTERED ARCHITECT · 11/18/97

GREGORY T. hicks & ASSOC., P.C.
ARCHITECTS · PLANNERS
The Sunshine Building
Albuquerque, New Mexico 87102
(505) 243-7492 fax (505) 243-8062

SINCE 1980

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revisions:

proj. no.: 9509
acad file: 9509C41
date: 11/18/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title:
SITE DETAILS

C4.1

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NOTE:
LANDSCAPE WORK WITHIN THIS AREA TO BE COMPLETED DURING THE PERIOD INDICATED IN SECTION 0000 OF THE PROJECT MANUAL

COBBLE CATCHMENT
BARK MULCH
RYERSON STEEL EDGING
PERENNIAL GARDEN
REMOVE EXISTING TURF AND PLANTS, SEE NOTE 8
COBBLE SWALE FROM DOWNSPOUT
SANTA FE BROWN STONE MULCH
BOULDERS 3 EA.
EXISTING ADMIN. BLDG.
SANTA FE BROWN STONE MULCH BENEATH SANTOLINA AND VITEX
RYERSON STEEL EDGING
INSTALL TREE AS PER COA STD. DTL. 2114, TYP.
BARK MULCH
INSTALL SHRUB AS PER COA STD. DTL. 2111, TYP.
COBBLE CATCHMENT
RYERSON STEEL EDGING
INSTALL PATH PER DETAIL B, SHEET L3.1, TYP.
REMOVE EXISTING TURF AND PLANTS, SEE NOTE 8
NATIVE GRASS
BARK MULCH
RYERSON STEEL EDGING
COBBLE CATCHMENT
BARK MULCH
FIRE HYDRANT
NATIVE GRASS
COBBLE CATCHMENT
NATIVE GRASS
REMOVE EXISTING TURF, SEE NOTE 8. EXISTING TREES TO REMAIN
EXISTING BUILDING # 4
PEA GRAVEL MULCH ALL PLANTERS TYPICAL
KENNEL BLDG. #1
KENNEL BLDG. #2
COBBLE SWALE FROM ROOF DRAIN NOZZLE TO CURB OPENING
PROPOSED BUILDING
EXISTING TRUCK WASH
Existing Kennel Bldg. #3
OH
PP
MH
CO
SS 18"

SITE PLANTING PLAN
SCALE: 1" = 10'-0"
0 5 10 20

N02°05'33"E
3.37'
EXISTING SIGN
82
18" SS

PLANTING PLAN AT SIGN
SCALE: 1" = 10'-0"
0 5 10 20

GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF AND AVOID DAMAGE TO ALL UNDERGROUND UTILITIES.
2. ANY PLANT SUBSTITUTIONS MUST BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
3. THE CONTRACTOR IS NOT TO INSTALL PLANT MATERIAL AS SHOWN ON PLANS IF EVIDENT THAT FIELD CONDITIONS EXIST THAT WERE NOT CONSIDERED IN THE DESIGN. SUCH CONDITIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
4. PLANT MATERIAL TO BE PLANTED AS SOON AS POSSIBLE FOLLOWING DELIVERY TO THE SITE. BACKFILL ALL PLANTS WITH CLEAN NATIVE SOIL FROM EXCAVATED PLANT HOLES, REMOVE ALL STONE OVER 1" DIAMETER FROM BACKFILL SOIL.
5. MULCH ALL SHRUB PLANTERS WITH 3" DEPTH MULCH, TYPE AS CALLED OUT ON PLANS. STONE MULCH TO BE 1/2"–3/4" DIA. IN SIZE. STONE, PEAGRAVEL, AND CRUSHER FINES TO BE TAN IN COLOR. PROVIDE SAMPLE OF ALL MULCHES TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
6. FILTER FABRIC TO BE INSTALLED BENEATH ALL STONE MULCH IN ALL PLANTERS.
7. ARCHITECT TO TAG TREES ON NURSERY GROUNDS PRIOR TO INSTALLATION. ARCHITECT TO VISUALLY INSPECT PLANT MATERIAL FOR SIZE AND VIGOR, AND SPOT LOCATIONS PRIOR TO INSTALLATION. PROVIDE 48 HOUR NOTICE TO ARCHITECT.
8. REMOVE ALL TURF AND OTHER EXISTING VEGETATION, EXCEPT FOR MATURE TREES, IN PLANTING AREAS SHOWN ON PLAN. REMOVE EXISTING TURF BY SPRAYING WITH HERBICIDE THREE TIMES AT TEN DAY INTERVALS, WITH EXISTING IRRIGATION SYSTEM OPERATING BUT AT REDUCED RATE TO CONTROL EROSION AND RUNOFF. HERBICIDE TO BE TYPE THAT WILL NOT HARM EXISTING MATURE TREES.
9. REMOVAL OF EXISTING TURF TO BE TIMED APPROPRIATELY WITH SPRING OR FALL SEEDING TIME WINDOWS. PLANTING AREAS NOT TO STAND BARE FOR LONGER THAN NEEDED FOR REMOVALS AND IRRIGATION INSTALLATION. (SEE NOTE 15.)
10. NATIVE SEED AREAS TO BE SEEDED PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS 1011.4 (NO ORGANIC AMENDMENTS OR FERTILIZER SHALL BE USED, DO NOT ROTOTILL OVER TREE ROOTS), 1011.5.2 (THE FALL SEEDING TIME WINDOW SHALL NOT BE USED), 1011.5.4, 1011.6.1, AND 1011.8.
11. NATIVE SEED TO BE MULCHED WITH CURLEX EROSION CONTROL BLANKETS FASTENED SECURELY. BEN MEADOWS CO @ 1-800-241-6401.
12. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, CONSTRUCTION MATERIALS, AND LABOR FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE PRODUCT. CONTRACTOR SHALL REPAIR AND REPLACE WITHIN SEVEN DAYS AS DIRECTED BY THE ARCHITECT OR CITY.
13. ALL NEW MEXICO OLIVE AND VITEX SPECIMENS TO BE MULTI-TRUNKED TREE FORMS.
14. ALL RYERSON STEEL EDGING TO BE INSTALLED SMOOTH AND CONTINUOUS WITH NO PROTRUSIONS AND NO HIGHER THAN 1/2" ABOVE FINISH GRADE.
15. NATIVE SEEDING SHALL OCCUR BETWEEN THE TIMES OF APRIL 1 THROUGH MAY 30, OR FROM AUGUST 15 THROUGH SEPTEMBER 30.

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12 Second St. N.W.
(505) 243-7492 fax (505) 243-1906
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STATE OF NEW MEXICO
M. LAURIE AGUILAR
No. 245
REGISTERED LANDSCAPE ARCHITECT

12-22-97

revisions:

proj. no.: 9509
acad file: 9509L11
date: 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

RECORD DRAWINGS APRIL 2000

sheet title:
PLANTING PLAN

L1.1

Roddick & Dunbar Ltd.
LANDSCAPE ARCHITECTURE
PO BOX 1502 CEDAR CREST NM 87008
(505)286-0000 VOICE (505)286-1610 FAX

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

APPROVED
DEC. 29 1997
DESIGN REVIEW COMMITTEE

City Engineer Approval

Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 5 Of 33

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NOTE:
LANDSCAPE WORK WITHIN THIS AREA TO BE COMPLETED DURING THE PERIOD INDICATED IN SECTION ØØØØ OF THE PROJECT MANUAL

REMOVE ALL EXISTING IRRIGATION LINES

NOTE: EXISTING VALVES NUMBERED 1-3

4 | 2
3/4"

CONNECT DRIP ASSEMBLY TO EXISTING MAINLINE

EXISTING VALVES TO REMAIN

CONNECT VALVE TO EXISTING MAINLINE

5 | 4
1"

VALVES THIS AREA TO BE SERVED BY EXISTING PVB

EXISTING BUILDING # 4

EXISTING TRUCK WASH

EXISTING ADMIN. BLDG.

TREE BUBBLER
SEE COA STD. DTL. 2710, TYP.

DRIP EMITTER
SEE DETAIL A, SHEET L3.1, TYP.

KENNEL BLDG. #1

AIR RELIEF VALVE
SEE COA STD.
DTL. 2705

3A | 12
1"

2A | 4
3/4"

MV | 1A | 12
1"

KENNEL BLDG. #2

1" DIA. P.O.C.

EXTEND VALVE WIRING TO VALVE BOXES

INSTALL DRIP VALVE AS PER COA STD. DTL. 2703-A, TYP.

VALVES SHOWN SCHEMATICALLY FOR GRAPHIC CLARITY. LOCATE VALVES IN PLANTER. INSTALL AS PER COA STD. DTL. 2703, TYP.

Existing Kennel Bldg. #3

SPRAY HEAD
SEE COA STD.
DTL. 2709, TYP.

REMOVE ALL EXISTING IRRIGATION LINES EXCEPT FOR LINE LEADING TO SOUTERNMOST TURF AREA

FIRE HYDRANT

EXISTING TREES TO REMAIN

SPRAY SYSTEM THIS AREA TO REMAIN. CAP ALL LATERAL EXTENSIONS UP TO THIS AREA.

Proposed Bldg.

NEW FIRE HYDRANT

IRRIGATION PLAN
SCALE: 1" = 10'-0"
0 5 10 20

N02°05'33"E
3.37'

EXISTING SIGN

EXTEND LATERAL LINE FROM EXISTING IRRIG. LINE

IRRIGATION PLAN AT SIGN
SCALE: 1" = 10'-0"
0 5 10 20

GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF AND AVOID DAMAGE TO ALL UNDERGROUND UTILITIES.
2. THE CONTRACTOR IS NOT TO INSTALL IRRIGATION SYSTEM AS SHOWN ON PLANS IF EVIDENT THAT FIELD CONDITIONS EXIST THAT WERE NOT CONSIDERED IN THE DESIGN. SUCH CONDITIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
3. ACTUAL FIELD CONDITIONS MAY NECESSITATE MAKING ADJUSTMENTS IN SPACING OF HEADS TO INSURE UNIFORM COVERAGE AND DISTRIBUTION.
4. ALL POP-UP TYPE IRRIGATION HEADS SHALL BE INSTALLED SO THAT THE TOP OF HEAD IS LEVEL WITH FINISH GRADE AND NO CLOSER THAN THREE INCHES FROM ADJACENT WALKS.
5. ALL CONTROL WIRE TO BE SOLID COPPER UL APPROVED INSTALLED PER LOCAL CODE. RUNS LESS THAN 500 FEET SHALL BE #14 GAUGE. RUNS GREATER THAN 500 FEET SHALL BE #12 GAUGE. PROVIDE A 24 INCH LOOP AT EACH WIRE SPLICE OR POINT OF CONNECTION. SNAKE LINE IN TRENCHES.
6. IN AREAS WHERE TREES ARE PRESENT, ADJUST LOCATIONS OF TRENCH LINES TO INSTALL OUTSIDE DRIP LINES OF TREES. EXISTING TREES ON THE SITE ARE TO BE PROTECTED AGAINST ROOT DAMAGE DUE TO CUTTING OR COMPACTION CAUSED BY VEHICLES, STORED MATERIALS, OR SURFACE PREPARATION BENEATH DRIPLINES.
7. CONTRACTOR TO INSTALL A LAMINATED VALVE LEGEND INSIDE OF CONTROLLER.
8. TREE BUBBLER AS SHOWN ON PLAN REPRESENTS CENTER OF TREE. BUBBLER TO BE LOCATED IN FIELD 12" FROM EDGE OF TREE ROOTBALL ON UPHILL SIDE.
9. DEDICATE ONE DRIP EMITTER (6 TUBES) PER EACH NEW MEXICO OLIVE, VITEX, AND CHITALPA.

RECORD DRAWINGS APRIL 2000

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee — City Engineer Approval

DEC 29 1997
DESIGN REVIEW COMMITTEE

Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 6 Of 33

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STATE OF NEW MEXICO
M. LAURIE MUHLAR
No. 245
REGISTERED LANDSCAPE ARCHITECT

12-29-97

revisions:

proj. no.: 9509
acad file: 9509L11
date: 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title:
IRRIGATION PLAN

L2.1

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PLANTING SCHEDULE

KEY	SCIENTIFIC NAME	COMMON NAME	SIZE	QUANT.
	TREES			
	GLEDITSIA TRIACANTHOS 'INERMIS'	HONEY LOCUST	2 1/2" CAL.	7
	CHITALPA TASHKENTENSIS	CHITALPA	25 GAL.	1
	FORESTIERA NEOMEXICANA	NEW MEXICO OLIVE	25 GAL.	15
	SHRUBS			
	SANTOLINA CHAMAECYPARISSUS	GREY SANTOLINA	1 GAL.	31
	AGAVE PARRYI	CENTURY PLANT	5 GAL.	10
	LAVANDULA ANGUSTIFOLIA	FRENCH LAVENDER	1 GAL.	53
	ZAUSCHNERIA ARIZONICA	HARDY HUMMINGBIRD TRUMPET	1 GAL.	17
	PEROVSKIA ATRIPLICIFOLIA	RUSSIAN SAGE	1 GAL.	26
	NEPETA X FAASSENII	CATMINT	1 GAL.	23
	VITEX ANGUS-CASTUS	CHASTE TREE	5 GAL.	3
	MIRABILIS MULTIFLORA	GIANT FOUR O'CLOCK	1 GAL.	3
	HESPERALOE PARVIFLORA	RED YUCCA	5 GAL.	1
	CENTRANTHUS RUBER	RED VALERIAN	1 GAL.	19
	SALVIA NEMEROSA	MAY NIGHT SALVIA	1 GAL.	18
	GENISTA TINCTORA	GENISTA	1 GAL.	4
	STACHYS BYZANTINA	WOOLY LAMB'S EARS	1 GAL.	3
	PENSTEMON PINIFOLIUS	PINELEAF PENSTEMON	1 GAL.	7
	JUNIPERUS S. 'TAMARISCIFOLIA'	TAM JUNIPER	1 GAL.	46
	CARYOPTERIS X CLANDONENSIS	BLUE BEARD	1 GAL.	4
	POTENTILLA FRUITICOSA	SHRUBBY CINQUEFOIL	1 GAL.	6
	OENOTHERA BERLANDIERA	MEXICAN EVENING PRIMROSE	1 GAL.	3
	CHRYSOTHAMNUS NAUSEOSUS	CHAMISA	5 GAL.	9
	FENDLERA RUPICOLA	CLIFF FENDLERBUSH	5 GAL.	4
	PARNEY COTONEASTER	COTONEASTER LACTEUS	5 GAL.	4
	BOULDER		2' x 3'	3

NATIVE SEED SCHEDULE

SCIENTFIC NAME	COMMON NAME	APPLICATION RATE
BOUTELOUA GRACILIS	BLUE GRAMA	1.50 LBS PLS/1000 SF
BUCHLOE DACTYLOIDES	BUFFALOGRASS	1.50 LBS PLS/1000 SF
LINUM PERENNE LEWISII	BLUE FLAX	0.25 LBS PLS/1000 SF

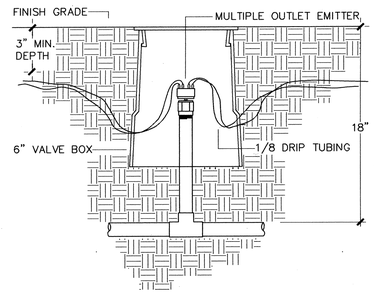
PERENNIAL GARDEN SCHEDULE

SCIENTIFIC NAME	COMMON NAME	SIZE	QUANT.
AGASTACHE CANA	GIANT HYSSOP	1 GAL.	2
BAILEYA MULTIRADIATA	DESERT MARIGOLD	1 GAL.	3
PENSTEMON PARRYI	PARRY PENSTEMON	1 GAL.	2
PENSTEMON PSEUDUSPECTABILIS	DESERT BEARDTONGUE	1 GAL.	2
ACHILLEA MILLEFOLIUM	YARROW	1 GAL.	3
GAILLARDIA ARISTATA	BLANKET FLOWER	1 GAL.	3
GAILLARDIA ARISTATA 'BURGUNDY'	BURGUNDY BLANKET FLOWER	1 GAL.	3
LIATRIS PUNCTATA	GAYFEATHER	1 GAL.	2
SPHAERALCEA COCCINEA	SCARLET GLOBEMALLOW	1 GAL.	2
TANACETUM NIVEUM	WHITE BOUQUET TANSY	1 GAL.	3
SALVIA TRANSYLVANICA	ROMANIAN SAGE	1 GAL.	2
OENOTHERA SPECIOSUS 'ROSEA'	PINK EVENING PRIMROSE	1 GAL.	3

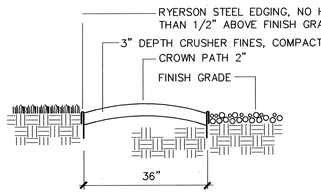
IRRIGATION SCHEDULE

KEY	PRODUCT DESCRIPTION
	RAINBIRD CONTROLLER ESP-12i, INSTALL INSIDE NEW MECHANICAL ROOM
	EXISTING FEBCO RPBP TO REMAIN
MV	RAINBIRD PEB SERIES AUTOMATIC MASTER VALVE SIZED PER PLAN W/MANUAL VALVE & BROOKS VALVE BOX
	RAINBIRD PEB SERIES AUTOMATIC VALVE SIZED PER PLAN W/MANUAL VALVE & BROOKS VALVE BOX
	RAINBIRD CONTROL ZONE KIT XCZ-075
	RAINBIRD 2AV AIR RELIEF VALVE
	RAINBIRD MULTI-OUTLET SHRUB XERI-BUG XBT-10-6 IN RAINBIRD SUBTERRANEAN EMITTER BOX SEB-6X
	RAINBIRD 1404 BUBBLER
	RAINBIRD 1402 BUBBLER
	RAINBIRD SPRAY HEAD 1804-10F-LA
	RAINBIRD SPRAY HEAD 1804-10H-LA
	RAINBIRD SPRAY HEAD 1804-10T-LA
	RAINBIRD SPRAY HEAD 1804-10Q-LA
	SLEEVE CLASS 200 PVC TWO SIZES LARGER THAN PIPE TO BE SLEEVED, ONE SLEEVE PER PIPE
	MAINLINE SCHEDULE 40 PVC SIZED PER PLAN
	LATERAL LINE CLASS 200 PVC SIZED PER PLAN
	COPPER LINE TO EXTEND BETWEEN PLANTERS WITH NO JOINTS, SIZED PER PLAN

2 | 11 — VALVE NUMBER / GALLONS PER MINUTE FOR VALVE
1" — VALVE SIZE



A L3.1 **DRIP EMITTER DETAIL** N.T.S.



B L3.1 **CRUSHER FINES PATH DETAIL** N.T.S.

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EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title:
PLANTING & IRRIGATION SCHEDULES & DETAILS

L3.1

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 7 Of 33

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ABBREVIATIONS

A.B.	ANCHOR BOLT
ALT.	ALTERNATE
ARCH.	ARCHITECTURAL
BOF.	BOTTOM OF FOOTING
BM.	BEAM
BOTT. OR B.	BOTTOM OF MEMBER
BRDG.	BRIDGING
C/C OR O.C.	CENTER TO CENTER
C.J.	CONSTRUCTION JOINT
C.J.T.S.	CONST. JOINT AT THICKENED SLAB
CLR.	CLEAR
CMU.	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
COORD.	COORDINATE
CTR. JT.	CONTRACTION JOINT
DBL.	DOUBLE
DIA.	DIAMETER
DIR.	DIRECTION
DWLS.	DOWELS
E.E.	EACH END
E.F.	EACH FACE
E.J.	EXPANSION JOINT
E.S.	EACH SIDE
E.W.	EACH WAY
EA.	EACH
ELEV.	ELEVATION
EXP. A.B.	EXPANSION ANCHOR BOLT
F.S.	FAR SIDE
FIN. FLR.	ELEVATION OF FINISHED FLOOR
FND.	FOUNDATION
FTG.	FOOTING
GA.	GAUGE
G.B.	GRADE BEAM
G.C.	GENERAL CONTRACTOR
G.C.M.	GROUTED CORE MASONRY
G.L.	GLU-LAM
G.S.	GROUND SURFACE
GALV.	GALVANIZED
H.A.S.	HEADED ANCHOR STUDS
H.C.M.	HOLLOW CORE MASONRY
H.P.	HIGH POINT
HK.	HOOK
HORIZ.	HORIZONTAL
I.F.	INSIDE FACE
J/B	JOIST BEARING
JST.	JOIST
JT.	JOINT
L.L.H.	LONG LEG HORIZONTAL
L.L.O.	LONG LEG OUT
L.L.V.	LONG LEG VERTICAL
L.P.	LOW POINT
L.W.	LONG WAY
M.C.J.	MASONRY CONTROL JOINT
M.D.	METAL DECK
MAX.	MAXIMUM
MECH.	MECHANICAL
MIN.	MINIMUM
MISC.	FURNISHED BY AND INSTALLED BY
N.S.	NEAR SIDE
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.F.	OUTSIDE FACE
OPG.	OPENING
P/P	PANEL POINT TO PANEL POINT
P/T	POST TENSION
P.C.	PRECAST CONCRETE
P.C.P.	PRECAST CONCRETE PLANK PANEL
PL.	PLATE
REINF.	REINFORCING
S.D.	STEP DOWN OR STRUCTURAL DECKING
S.F.	STEP FOOTING
S.J.	STEEL JOIST
S.L.O.	SHORT LEG OUT
S.L.V.	SHORT LEG VERTICAL
S.M.	SOLID MASONRY
S.U.	STEP UP
S.W.	SHORT WAY
SCHED.	SCHEDULED
T.O.M.	TOP OF MEMBER
T.C.	TOP CHORD OF TRUSS
T.D.	TURN DOWN SLAB
T.F.	TOP OF FOOTING
T.J.	TIE JOIST
T.O.J.	TOP OF JOIST
T.O.S.	TOP OF STRUCTURAL STEEL
T.S.	THICKENED SLAB
T&B	TOP AND BOTTOM
TR.	TRUSS
TYP.	TYPICAL
VER.	VERIFY
VERT. OR V.	VERTICAL
W/	WITH
WT.	WEIGHT
WWF	WELDED WIRE FABRIC

GENERAL NOTES

1. GENERAL:
   - A. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS AND SAFETY OF WORKERS.
   - B. MECHANICAL CONTRACTOR SHALL COORDINATE INSTALLATION OF THE REQUIRED INSERTS WITH THE GENERAL CONTRACTOR. SEE MECHANICAL DRAWINGS FOR SUPPORTING STRUCTURE AND INSERTS.
   - C. MECHANICAL CONTRACTOR SHALL FURNISH ALL NECESSARY STRUCTURES FOR MECHANICAL EQUIPMENT AND ALL NECESSARY HANGING DEVICES AND INSERTS FOR INSTALLATION OF MECHANICAL EQUIPMENT.
   - D. CONSULT MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL CHASES, SLEEVES, OPENINGS, DUCTS, ETC., AS REQUIRED.
   - E. WHERE CONFLICTS OCCUR BETWEEN SPECIFICATIONS, NOTES, REFERENCED CODES, AND WORKING DRAWINGS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
   - F. SECTIONS AND DETAILS NOT SPECIFICALLY NOTED, SHALL BE CONSTRUCTED PER SECTIONS AND DETAILS SHOWN MOST APPLICABLE.
2. DESIGN CRITERIA:

   BUILDING CODES AND STANDARDS:

   1991 UNIFORM BUILDING CODE
   AMERICAN INSTITUTE OF STEEL CONSTRUCTION 9TH EDITION, "MANUAL OF STEEL CONSTRUCTION, ASD"
   AMERICAN CONCRETE INSTITUTE 318-89, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
   AMERICAN IRON AND STEEL INSTITUTE, "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"
3. DESIGN LOADS:
   - A. LIVE LOADS:
     ROOFS: 20 PSF
   - B. DEAD LOADS:
     ROOF: 20 PSF
   - C. WIND LOADS: IN ACCORDANCE WITH UBC "1991"CODE
     75 MPH BASIC WIND SPEED
     q_S = 15.0 PSF - AREA METHOD 2
     CQ = 1.3 CE = 1.06 I = 1
     P_{0-15} = 20.7 PSF
     P_{15-20} = 27.0 PSF
   - D. SEISMIC LOADING: IN ACCORDANCE WITH UBC "1991"CODE
     ZONE 2B Z = 0.2, C = 2.75, RW = 6
   - E. SOIL ALLOWABLE: SOIL BEARING = 2000 PSF
4. MATERIALS:
   - A. CONCRETE: F'C = 3000 PSI
     CONCRETE: (EXPOSED) F'C = 4000 PSI
     SEE CEMENT DESIGN TABLE 101 NEXT COLUMN.
   - B. STEEL:
     1. STRUCTURAL STEEL: ASTM A36
     2. STRUCTURAL STEEL TUBING: ASTM A500, GR B
     3. BOLTS (UNLESS OTHERWISE NOTED): ASTM A325
     4. LIGHTGAGE METAL FRAMING (STUDS, HEADERS, STRAPS): ASTM A507
        18 GA. GR 33
        16 GA. AND HEAVIER GR 50
     5. METAL DECK: ASTM A446 OR A611 GR C
     6. LAG BOLTS: FED. SPEC. FF-B-561
     7. CONCRETE/MASONRY ANCHORS: ASTM A307
     8. CONCRETE/MASONRY REINFORCEMENT: ASTM A615 GR 60
   - C. MASONRY:
     1. CONCRETE MASONRY UNITS (CMU): F'M = 1250 PSI, ASTM C90, GR N-1
     2. MORTAR: 1200 PSI, ASTM C270, TYPE S
     3. GROUT: 2000 PSI, ASTM C476
     4. MORTAR: 2000 PSI, ASTM C270, TYPE S, AT 4" WALLS ONLY

THE FOLLOWING REVISIONS AND/OR ADDITIONS TO THE TECHNICAL SPECIFICATIONS OF THE STANDARD SPECIFICATIONS ARE HEREBY MADE A PART OF THE CONTRACT DOCUMENTS. WHERE A CONFLICT OCCURS BETWEEN THIS SUPPLEMENTAL TECHNICAL SPECIFICATION AND THE STANDARD SPECIFICATION. THE SUPPLEMENTAL TECHNICAL SPECIFICATION SHALL CONTROL.

TABLE 101 (SUPPLEMENTAL)
PORTLAND CEMENT CONCRETE DESIGN (1, 2)

DESIGN LIMITATIONS

TYPE OF PLACEMENT	USE IN SECTION	MINIMUM DESIGN STRENGTH (PSI) (3)	AIR ENTRAIN. %	CLASS FLYASH (FA) (4, 5)	SLUMP (IN.) (6)	MINIMUM CEMENT (7), (C) TO LBS/CY	MAX. H2O C+F A RATIO
PAVING	337	MR=600 F'C=4000	4-7	F REQUIRED	3 MAX.	564	0.45
EXTERIOR STRUCT SLAB ON GRADE, SIDEWALKS, CURB & GUTTERS, DRIVE PADS AND VALLEY GUTTERS	340	F'C=4000	4-7	F REQUIRED	4 MAX.	520	0.45
INTERIOR STRUCTURES AND SLAB ON GRADE	510	F'C=3000	4-7	F REQUIRED	4 MAX.	470	0.50
CHANNELS, DRAINAGE/HYD. STRUCTURES, BRIDGE DECKS & PARKING STRUCTURE DECKS	510 602	F'C=4000	4-7	F REQUIRED	4 MAX.	564	0.40
SAS MANHOLES	920	F'C=4000	4-7	F REQUIRED	4 MAX.	658 (8)	0.40
MISCELLANEOUS	402 702 800 & 1500	F'C=4000	4-7	F REQUIRED	4 MAX.	520	0.45

TABLE 101 (SUPPLEMENTAL)
PORTLAND CEMENT CONCRETE DESIGN
(CONT.)

NOTES:
1. USE OF INGREDIENTS NOT LISTED MUST BE AUTHORIZED BY THE ENGINEER AND THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT MATERIALS & TESTING LABORATORY.
2. MAXIMUM SIZE AGGREGATE SHALL BE IN ACCORDANCE WITH EITHER THE RECOMMENDATIONS OF ACI 318, TYPE OF PLACEMENT, SECTION AND COVER REQUIREMENTS, AND/OR THESE SPECIFICATIONS.
3. MODULUS OF RUPTURE (MR) OR COMPRESSIVE STRENGTH (F'C) AT 28 DAYS.
4. FLYASH SHALL BE CLASS F COMPLYING WITH THE REQUIREMENTS OF ASTM C618, INCLUDING SUPPLEMENTARY OPTIONAL PHYSICAL REQUIREMENTS, REACTIVITY WITH CEMENT ALKALIES: REDUCTION OF MORTAR BAR EXPANSION AT 14 DAYS, 70% (MIN) REQUIREMENTS.
5. FLYASH SHALL BE PROPORTIONED 1:4 BY WEIGHT, FLYASH (FA) TO PORTLAND CEMENT (C).
6. SLUMP RANGES MAY BE INCREASED AS AUTHORIZED BY THE ENGINEER WHEN HIGH RANGE WATER REDUCERS - HRWRDA (SUPER PLASTICIZERS) ARE USED. WHEN A HRWRDA IS PROPOSED, A DESIGN MIX WITH THE HRWRDA MUST BE SUBMITTED AND APPROVED BY THE ENGINEER, HRWRDA SHALL NOT BE USED IN A MIX IF THE HRWRDA WAS NOT PROPOSED IN THE DESIGN MIX.
7. MINIMUM TOTAL CEMENT, PORTLAND CEMENT BY WEIGHT, PER CUBIC YARD OF CONCRETE, AS DETERMINED BY ATM C138, TEST METHOD FOR UNIT WEIGHT, YIELD, AND AIR CONTENT (GRAVIMETRIC) OF CONCRETE, ADJUSTED FOR AIR ENTRAINMENT OF 5.5%.
8. TYPE V PORTLAND CEMENT MAY BE USED IN PLACE OF TYPE IIA CEMENT IF TYPE V CEMENT IS USED, THE MINIMUM CEMENT CONTENT MAY BE REDUCED TO 564 LBS./C.Y.

GENERAL NOTES CONTINUED:

5. CONCRETE NOTES:
   - A. SPECIFICATIONS:
     1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 301.
     2. ALL HOT WEATHER CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 305.
     3. ALL COLD WEATHER CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 306.
   - B. FOOTINGS:
     1. UNLESS DIMENSIONED OTHERWISE, CENTER CONTINUOUS FOOTINGS ON WALL.
     2. WHERE COLUMN AND WALL FOOTINGS INTERSECT, CAST THESE MONOLITHIC AND CONTINUE WALL FOOTING REINFORCING THROUGH THE COLUMN FOOTING.
     3. CENTER COLUMN FOOTINGS ABOUT COLUMN CENTER LINES BOTH WAYS, UNLESS DIMENSIONED OTHERWISE.
   - C. CONCRETE REINFORCING:
     1. PROVIDE VERTICAL DOWELS IN CONTINUOUS FOOTING, SAME SIZE AND SPACING AS THE VERTICAL WALL STEEL.
     2. FOR OPENINGS 1'-0" AND LARGER IN WALLS AND STRUCTURAL SLABS UNLESS NOTED OR DETAILED, PROVIDE NO. 5 X 4'-0" ALL CORNERS, TWO NO. 5 AT EACH SIDE, TOP AND BOTTOM.
     3. UNLESS NOTED OR DETAILED, PROVIDE CORNER BARS THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCING AT THE CORNERS AND INTERSECTION OF ALL WALLS, BEAMS, AND FOOTINGS.
6. LIGHTGAGE METAL FRAMING:
   - A. FABRICATION OF ALL LIGHTGAGE METAL FRAMING SHALL COMPLY WITH THE REQUIREMENTS IN AISI "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
   - B. FRAMING COMPONENTS MAY BE PREFABRICATED INTO PANEL PRIOR TO ERECTION.
   - C. STUDS SHALL NOT BE SPLICED. STUDS SHALL FIT SECURELY INTO TOP AND BOTTOM TRACKS WITH THE END OF THE STUD POSITIONED AGAINST THE INSIDE TRACK WEB. WEB CUTOUTS ARE NOT PERMITTED WITHIN 12" OF EITHER END OF STUDS OR LINTELS. ALL FRAMING MEMBERS SHALL BE CUT SQUARELY OR AT AN ANGLE AS REQUIRED, TO FIT SECURELY AGAINST ABUTTING MEMBERS. ATTACHMENT OF COMPONENTS SHALL BE ACCOMPLISHED BY WELDING, UNLESS OTHERWISE NOTED ON DRAWINGS.
   - D. TRACKS SHALL BE ANCHORED TO THE SUPPORTING STRUCTURE TO TRANSFER IMPOSED LOADS. COMPLETE, UNIFORM, AND LEVEL BEARING SUPPORT SHALL BE PROVIDED FOR THE BOTTOM TRACK AT EACH STUD LOCATION IN WALLS. ALL TRACK BUTT JOINTS EXCEPT FOUNDATION LEVEL, SHALL BE FULLY BUTT WELDED TOGETHER.
   - E. PROVIDE DOUBLE JOISTS HEADERS PER DETAILS AT ALL OPENINGS GREATER THAN 2'-0". USE MINIMUM 8"-16 GA. UNLESS OTHERWISE NOTED ON SCHEDULE.
   - F. UNLESS OTHERWISE NOTED OR DETAILED, MINIMUM REQUIRED SECTION PROPERTIES FOR STUDS:

SIZE	I	S
3 5/8"X18 GA.	0.73	0.40
3 5/8"X16 GA.	0.90	0.49
6"X18 GA.	2.40	0.80
6"X16 GA.	2.97	0.99
8"X18 GA.	4.80	1.20
8"X16 GA.	5.96	1.49
8"X14 GA.	7.40	1.85

   - G. ALL LOAD BEARING JOISTS AND UPPER LEVEL LOAD BEARING STUDS SHALL BE DIRECTLY ALIGNED OVER LOAD BEARING STUD(S) BELOW, UNLESS OTHERWISE NOTED OR DETAILED.
   - H. PROVIDE LATERAL SUPPORT BRACING PER MANUFACTURER'S DIRECTIONS. UNLESS GIVEN MORE STRINGENT REQUIREMENTS BY MANUFACTURER, PROVIDE 1/2" CHANNEL BRIDGING IN CONTINUOUS ROWS WELDED TO EACH STUD AND SPACED AT 4'-6" ON CENTER MAXIMUM.
7. STEEL FRAMING NOTES:
   - A. STRUCTURAL STEEL SHALL BE SHOP FABRICATED IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION. WELDING SHALL COMPLY WITH AWS 1.1 "STRUCTURAL WELDING CODE".
   - B. FIELD CONNECTIONS OF STRUCTURAL STEEL SHALL BE ACCOMPLISHED BY BOLTING, USING HIGH STRENGTH BOLTS IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS" (UNLESS OTHERWISE INDICATED).
   - C. UNLESS OTHERWISE NOTED, ALL JOISTS SUPPORTING THE FLOOR OR ROOF DECK SHALL BE FIELD WELDED TO SUPPORTING MEMBERS OR TO PRESET BEARING PLATES. PROVIDE CONTINUOUS ANGLE SUPPORT AT ALL EDGES OF ALL METAL DECK.
   - D. UNLESS OTHERWISE NOTED OR DETAILED, PROVIDE A CONTINUOUS 1" X 1" X 1/8" STEEL ANGLE FOR HORIZONTAL BRIDGING. WELD CONTINUOUS BRIDGING TO TOP AND BOTTOM CHORDS OF ALL JOISTS.
   - E. CAMBER ALL STEEL JOISTS PER STEEL JOIST INSTITUTE RECOMMENDATIONS.

GENERAL NOTES CONTINUED:

   - F. METAL DECK CONNECTIONS:
     1. TYPE 'B' DECK TO OPEN WEB JOISTS
        - A. 5/8" DIAM. PUDDLE WELDS AT 12" O.C. AT DECK EDGES AND END SUPPORTS
        - B. 5/8" DIAM. PUDDLE WELDS AT 12" O.C. AT INTERMEDIATE SUPPORTS
        - C. TEKS #10 SCREWS AT 24" O.C. MAX. AT SIDELAPS
     2. TYPE 'B' DECK TO LIGHTGAGE JOISTS
        - A. TEKS #12 SCREWS AT 12" O.C. AT DECK EDGES AND END SUPPORTS
        - B. TEKS #12 SCREWS AT 12" O.C. AT INTERMEDIATE SUPPORTS
        - C. TEKS #10 SCREWS AT 24" O.C. MAX AT SIDELAPS
8. CMU NOTES:
   - A. UNLESS OTHERWISE NOTED, PROVIDE GALVANIZED STANDARD TRUSS TYPE DUR-O-WAL AT ALTERNATE COURSES FOR HORIZONTAL REINFORCING IN C.M.U. PROVIDE CONTINUOUS BOND BLOCK CONCRETE FILLED WITH TWO NO. 5 CONTINUOUS AT TOP OF ALL MASONRY WALLS AND CONTINUOUS ALL SIDES AT ALL JOIST BEARING ELEVATIONS. EXTEND VERTICALS THRU BOND BLOCK COURSES UNLESS OTHERWISE NOTED OR DETAILED.
   - B. UNLESS OTHERWISE NOTED OR DETAILED, VERTICAL REINFORCING ALL CONCRETE MASONRY WALLS SHALL BE: "ASTM-A615-60".

     ALL CMU WALLS SHALL BE REINFORCED AS FOLLOWS, UNLESS OTHERWISE NOTED:

     NO. 5 REBAR.
     3 VERTICALS AT ALL CORNERS.
     1 VERTICAL AT END OF ALL DISCONTINUOUS WALL RUNS.
     1 VERTICAL EACH SIDE OF ALL MASONRY WALL OPENINGS.
     1 VERTICAL AT 32" O.C. IN ALL STRAIGHT WALL RUNS.
     1 VERTICAL EACH SIDE OF ALL CONTROL JOINTS.
     PROVIDE VERTICAL DOWELS SAME AS VERTICAL BARS TOP AND BOTTOM OF EACH VERTICAL EXTENDING 30 DIA. INTO ABUTTING CONSTRUCTION 40 DIA. INTO CONCRETE FILLED CELLS. ALL SPLICES SHALL BE SECURELY TIED WITH WIRE.
   - C. UNLESS OTHERWISE SHOWN, PROVIDE MASONRY CONTROL JOINTS, NO. 8 WIDE FLANGE RAPID CONTROL JOINT ON MASONRY WALLS AT THE FOLLOWING LOCATIONS:
     AT 12'-0" FROM ALL CORNERS.
     AT 32'-0" O.C. IN ALL STRAIGHT WALL RUNS.
   - D. ALL MASONRY WORK SHALL HAVE A MINIMUM OF 1/2" CLEARANCE TO STEEL CONSTRUCTION.

STRUCTURAL EARTHWORK NOTES

THE BUILDING FOUNDATIONS HAVE BEEN BASED UPON THE RECOMMENDATIONS OF THE REPORT BY AGRA EARTH & ENVIRONMENTAL, INC., DATED APRIL 8, 1997. A COPY IS AVAILABLE FOR VIEWING AT THE OFFICE OF THE ARCHITECT.

1. THE CITY OF ALBUQUERQUE TESTING LAB GEOTECHNICAL ENGINEER SHALL ACT AS THE OWNER'S REPRESENTATIVE AND SHALL MAKE OBSERVATIONS AND TESTS AS CONSIDERED NECESSARY FOR QUALITY ASSURANCE. ALL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH PROCEDURES SET FORTH IN THE CURRENT BOOK OF STANDARDS OF THE AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM).
2. ALL FOOTINGS AND FLOOR SLAB AREAS SHALL BEAR ON COMPACTED STRUCTURAL FILL SOILS. SEE TYPICAL OVER EXCAVATION DETAIL ON SO.2.
3. ALL EXISTING FILL, VEGETATION, DEBRIS, AND DISTURBED NATURAL SOILS IN AREAS FOR SUPPORT OF FOOTINGS, FLOOR SLABS OR PAVEMENTS SHALL BE EXCAVATED TO EXPOSE UNDISTURBED NATURAL SOILS. ALL NON-ACCEPTABLE MATERIAL SHALL BE DISPOSED OF OFF SITE.
4. ALL BACKFILL MATERIAL SHALL BE NON-EXPANSIVE, FREE OF VEGETATION AND CONTAIN NO ROCKS LARGER THAN 6 INCHES. GRADATION OF THE BACKFILL MATERIAL, AS DETERMINED IN ACCORDANCE WITH ASTM D-422, SHALL BE AS FOLLOWS:

   GRADATION OF BACKFILL MATERIAL

SIEVE SIZE	PERCENT PASSING
3 INCH	100
NO. 4	50-100
NO. 200	10-60

   THE PLASTICITY INDEX SHALL NOT EXCEED 12 WHEN TESTED IN ACCORDANCE WITH ASTM D-4318.
5. FILL OR BACKFILL, CONSISTING OF SOIL APPROVED BY THE GEOTECHNICAL ENGINEER, SHALL BE PLACED IN CONTROLLED COMPACTED LAYERS WITH APPROVED COMPACTION EQUIPMENT. THICKNESS OF COMPACTED LIFTS SHALL NOT EXCEED 8 INCHES. ALL COMPACTION SHALL BE TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D-1557 TEST METHOD.
6. TESTS FOR DEGREE OF COMPACTION SHALL BE DETERMINED BY THE ASTM D-1556 METHOD OR ASTM D-2922. OBSERVATION AND FIELD TESTS SHALL BE CARRIED ON DURING FILL AND BACKFILL PLACEMENT BY THE GEOTECHNICAL ENGINEER TO ASSIST THE CONTRACTOR IN OBTAINING THE REQUIRED DEGREE OF COMPACTION.
7. WHEREVER, IN THE OPINION OF THE GEOTECHNICAL ENGINEER, AN UNSTABLE CONDITION IS BEING CREATED, EITHER BY CUTTING OR FILLING, THE WORK SHALL NOT PROCEED IN THAT AREA UNTIL AN INVESTIGATION HAS BEEN MADE AND THE GRADING PLAN REVISED IF FOUND NECESSARY.
8. PRECAUTIONS SHALL BE TAKEN DURING AND AFTER CONSTRUCTION TO MINIMIZE SATURATION OF THE FOUNDATION SOILS. POSITIVE DRAINAGE SHALL BE ESTABLISHED AWAY FROM THE EXTERIOR WALLS OF THE STRUCTURE. ALL UTILITY TRENCHES LEADING INTO THE BUILDING SHALL BE BACKFILLED WITH COMPACTED, ENGINEERED FILL. SPECIAL CARE SHALL BE TAKEN DURING INSTALLATION OF SUBFLOOR SEWER AND WATERLINES TO REDUCE THE POSSIBILITY OF FUTURE SUBSURFACE SATURATION.

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update: mo./day/yr. | mo./day/yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 8 Of 33

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revisions:

proj. no.: 9509
acad file: 9509A11
date: Dec. 16, 1997

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title: GENERAL NOTES AND ABBREVIATIONS

S0.1

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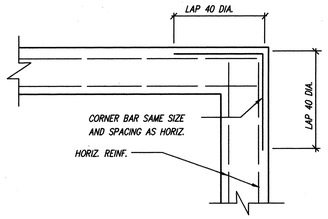
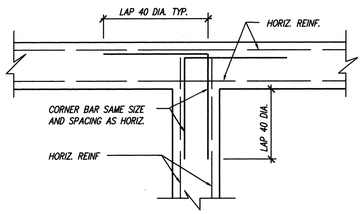
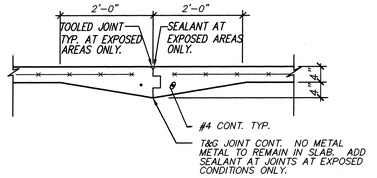


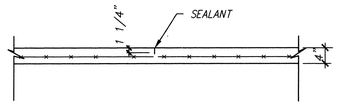
TYPICAL CORNER @ FTG. AND CMU BOND BEAMS.



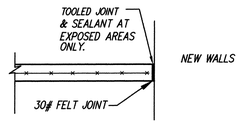
TYP. INTERSECTION @ FTGS.



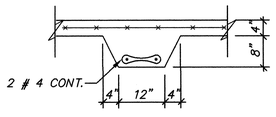
TYPICAL CONSTRUCTION JOINT (CJ)



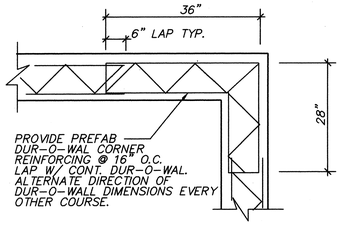
TYP. CONTRACTION JOINT (CTRJT)



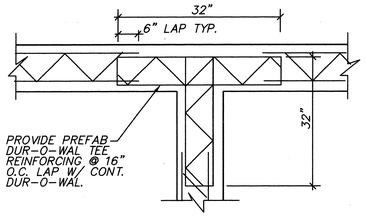
TYPICAL SEALANT AT SLAB/WALL CONDITIONS



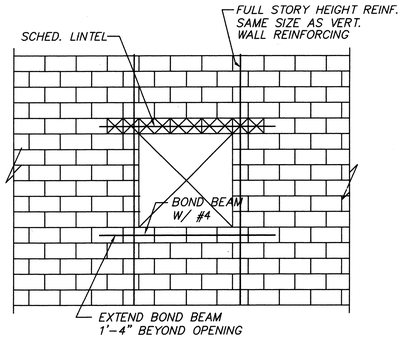
TYPICAL THICKENED SLAB



TYP. DUR-O-WAL CORNER

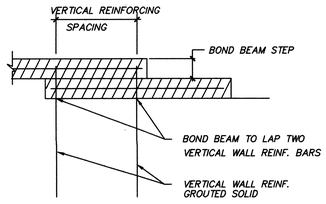


TYP. INTERSECTION @ DUR-O-WAL

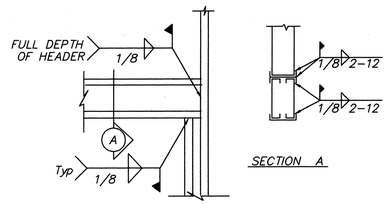


TYP. OPENING IN CMU WALL REINFORCING ELEVATION

CMU LINTEL SCHEDULE (UNLESS OTHERWISE DRAWN OR NOTED)				
MAX. SPAN	BLK. SIZE	TOP REINF.	BOTT. REINF.	REMARKS
3'-0"	8X8		2 #5	16" BEARING EA. END
4'-0"	8X8		2 #5	16" BEARING EA. END
6'-0"	8X16	2 #5	2 #5	16" BEARING EA. END
8'-0"	8X16	2 #6	2 #6	24" BEARING EA. END
10'-0"	8X16	2 #6	2 #7	24" BEARING EA. END
6" AND 12" CMU WALLS – BM. WIDTH 6" AND 12" RESPECTIVELY TOP BARS SHALL HOOK 90 AT ENDS				

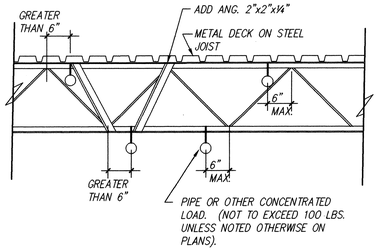


TYP. STEP IN BOND BEAM DETAIL



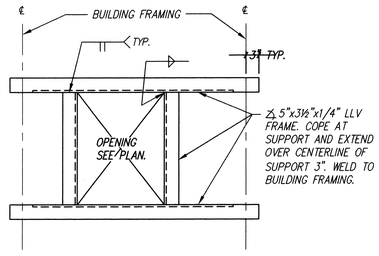
TYP. HEADER BEARING DETAIL

STEEL STUD HEADER SCHEDULE					
OPENING	SIZE	GAUGE	S_xIN.^{3}	I_xIN.^{4}	TRIMMERS EA. SIDE
LESS THAN 4'-0"	2-6"	16 GA.	2.00	6.06.	1 STUD
4'-0" TO 6'-0"	2-8"	16 GA.	3.04	12.20	2 STUDS
6'-0" TO 8'-0"	2-10"	14 GA.	5.12	25.60	2 STUDS
8'-0" TO 10'-0"	2-12"	14 GA.	8.54	51.20	2 STUDS
*10'-0" TO 12'-0"	2-12"	14 GA.	8.54	51.20	2 STUDS
* AT NON- BEARING WALLS ONLY U.N.O					



NOTE: ALL CONCENTRATED LOADS TO THE STEEL JOIST SHALL BE CONNECTED WITHIN 6" OF THE JOIST TOP OR BOTTOM CHORD PANEL POINT. ADD A DIAGONAL ANGLE WHERE THE CONCENTRATED LOAD IS NOT WITHIN 6" OF A TOP OR BOTTOM CHORD PANEL POINT.

STEEL JOISTS – CONCENTRATED LOADS.

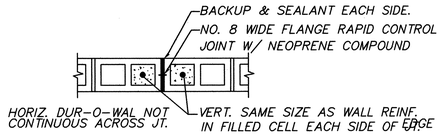


STRUCTURE SHOWN IS FOR SUPPORT OF METAL DECK. MECHANICAL UNITS MAY REQUIRE ADDITIONAL SUPPORT TO DISTRIBUTE LOADS TO THE BUILDING FRAME. COORD. W/ MECH. DRAWINGS AND MECH. UNIT MANUFACTURER RECOMMENDATIONS.

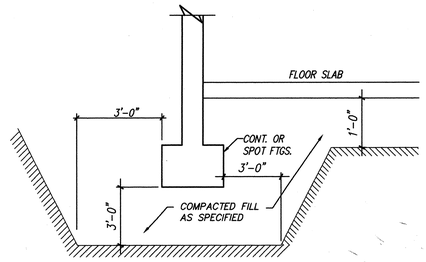
TYP. METAL DECK OPENING SUPPORT

(APPLIES AT ALL OPENINGS IN METAL DECK HAVING A MAX. DIMENSION OF 1'-0" OR LARGER)

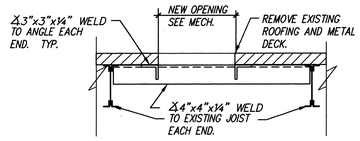
SEE MECH. DRAWINGS FOR LOCATIONS OF NEW ROOF OPENINGS IN EXISTING BUILDINGS.



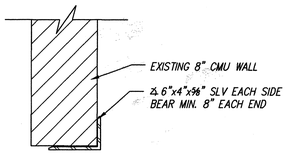
TYP. MASONRY WALL CONTROL JT. (M.C.J.)



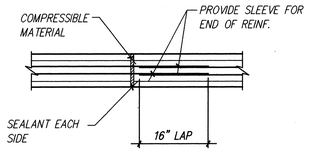
TYP. OVEREXCAVATION DETAIL



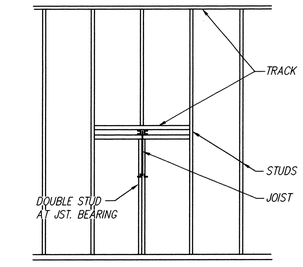
NEW OPENING IN EXISTING ROOF DETAIL



TYP. OPENING IN EXISTING 8" CMU WALL DETAIL



TYPICAL CONTROL JOINT AT BOND BEAM



TYP. JOIST BEARING DETAIL

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER Additions and Renovations

APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval

Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 9 Of 33

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revisions

proj. no: 9509
acad file: 9509A11
date: Dec. 16, 1997

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
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sheet title: TYPICAL DETAILS

S0.2

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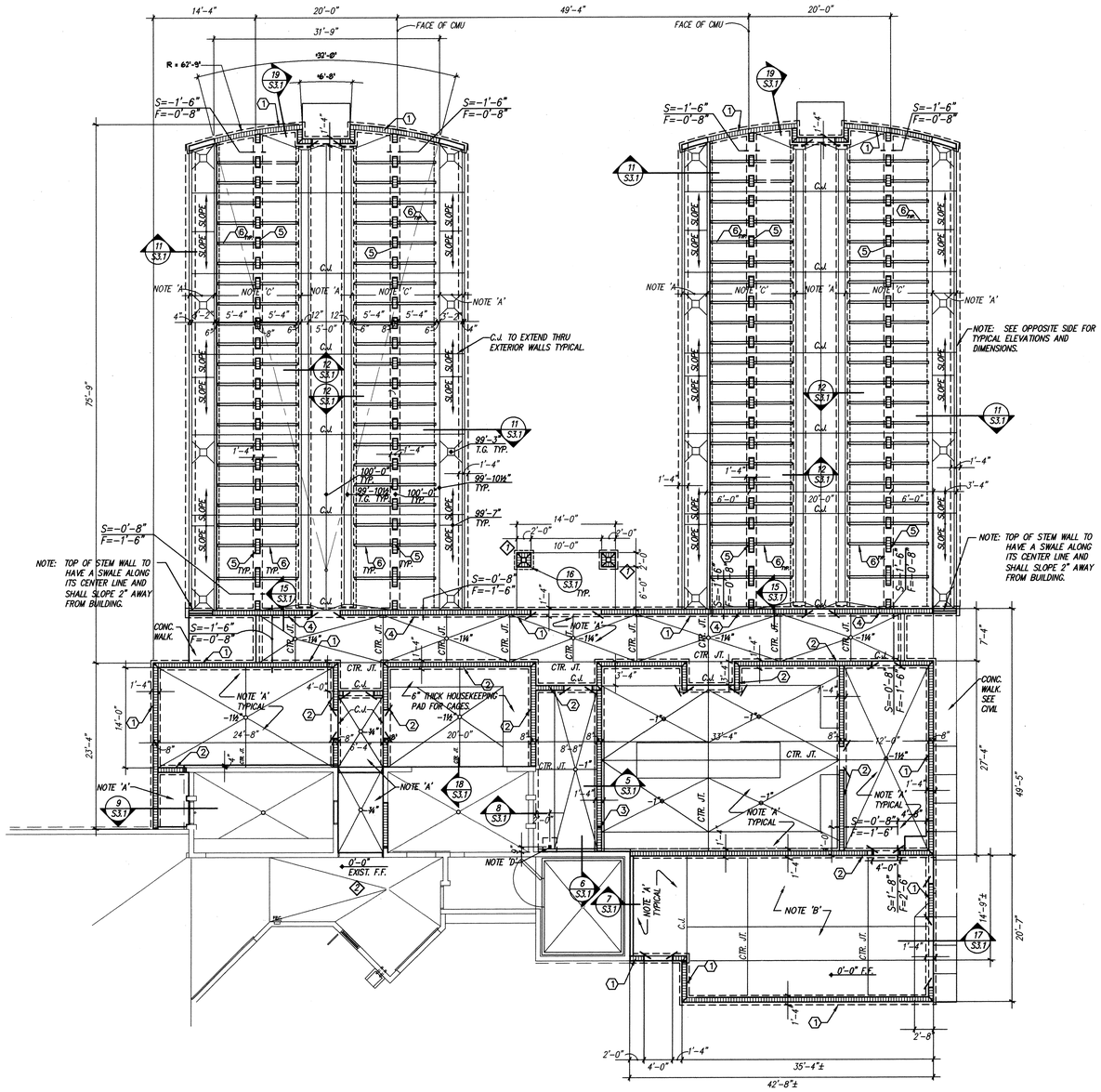


FOUNDATION / FLOOR PLAN

FIN. FLOOR ELEV. = 5385.51' = 0'-0"

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

NOTE 'A' 4" CONCRETE SLAB ON GRADE OVER 4" COMPACTED GRANULAR BASE LAYER. TYPICAL THRUOUT UNLESS NOTED OTHERWISE.

NOTE 'B' 5" CONCRETE SLAB ON GRADE OVER 4" COMPACTED GRANULAR BASE LAYER. TYPICAL THRUOUT UNLESS NOTED OTHERWISE.

NOTE 'C' 6" CONCRETE SLAB ON GRADE OVER 4" COMPACTED GRANULAR BASE LAYER. TYPICAL THRUOUT UNLESS NOTED OTHERWISE.

C.J. INDICATES TYPICAL CONSTRUCTION JOINT. SEE SHEET S0.1 FOR DETAIL.

CTR. JT. INDICATES TYPICAL CONTRACTION JOINT. SEE SHEET S0.1 FOR DETAIL.

(1) INDICATES 3'-0"x3'-0"x12" CONCRETE SPOT FOOTING W/ 4-#4 EACH WAY.

(#) DESIGNATES SCHEDULED WALL. SEE SCHEDULE THIS SHEET FOR WALL SECTION & REINF.

S 00.0' / F 00.0' INDICATES STEP FOOTING. ELEVATIONS ARE TO TOP OF FOOTING. CONTRACTOR IS TO VERIFY LOCATION AND ELEVATIONS TO MAINTAIN A MINIMUM OF 24" TO BOTTOM OF FOOTING FROM LOWEST ADJACENT GRADE. SEE SHEET S0.0 FOR TYPICAL STEP FOOTING DETAIL.

NOTE: SEE STRUCTURAL GENERAL NOTES, STRUCTURAL EARTHWORK NOTES, AND TYPICAL DETAILS LOCATED AT THE BEGINNING OF THE STRUCTURAL DRAWINGS. THESE NOTES AND DETAILS ARE APPLICABLE WHETHER OR NOT DIRECT REFERENCE TO THEM IS MADE ELSEWHERE.

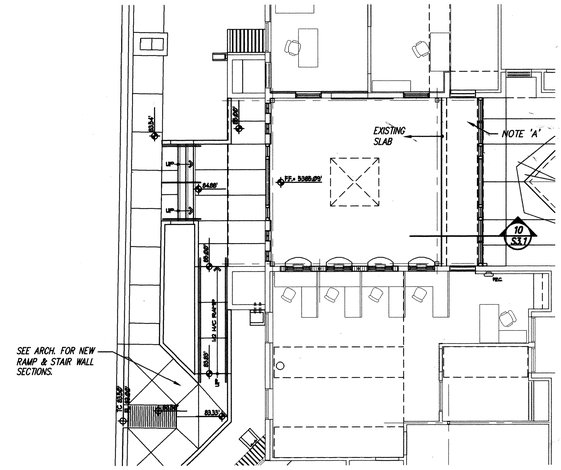
DESIGNATES SLOPED SLAB TO FLOOR DRAIN LOCATION.

T/F= TOP OF FOOTING ELEVATION FROM FIN. FLOOR = 0'-0".

#4x2'-0" IN SLAB TYPICAL.

TYPICAL REINFORCING AT DOOR OPENINGS.

NOTE 'D' INDICATES T.S. 4"x4"x¼" COLUMN W/ 2'-0"x2'-0" CONC. FOOTING. SEE DETAIL 20/S3.1



FOUNDATION / FLOOR PLAN – LOBBY

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

WALL AND FOOTING SCHEDULE				
MARK	FOUND. SECTION	FOOTING REINF.	CONC. STEM REINF.	CMU WALL REINF.
①	1 & 2 /S3.1	2-#5 CONT.	#4 @ 16" O.C. VERT. #4 @ 10" O.C. HORIZ.	#5 @ 32" O.C.
②	3 & 4 /S3.1	2-#5 CONT.	#4 @ 16" O.C. VERT. #4 @ 10" O.C. HORIZ.	#4 @ 48" O.C.
③	5 /S3.1	2-#5 CONT.	#4 @ 16" O.C. VERT. #4 @ 10" O.C. HORIZ.	#4 @ 48" O.C.
④	15 /S3.1	2-#5 CONT.	#4 @ 16" O.C. VERT. #4 @ 10" O.C. HORIZ.	#5 @ 32" O.C.
⑤	13 /S3.1	2-#5 CONT.	--------	#5 @ 32" O.C.
⑥	14 /S3.1	--------	--------	--------

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED DEC 29 1997 CITY ENGINEER

City Engineer Approval

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proj. no.: 9509

acad file: S-L1

date: Dec. 16, 1997

EASTSIDE ANIMAL SERVICES CENTER
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8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title: FOUNDATION PLAN

S1.1

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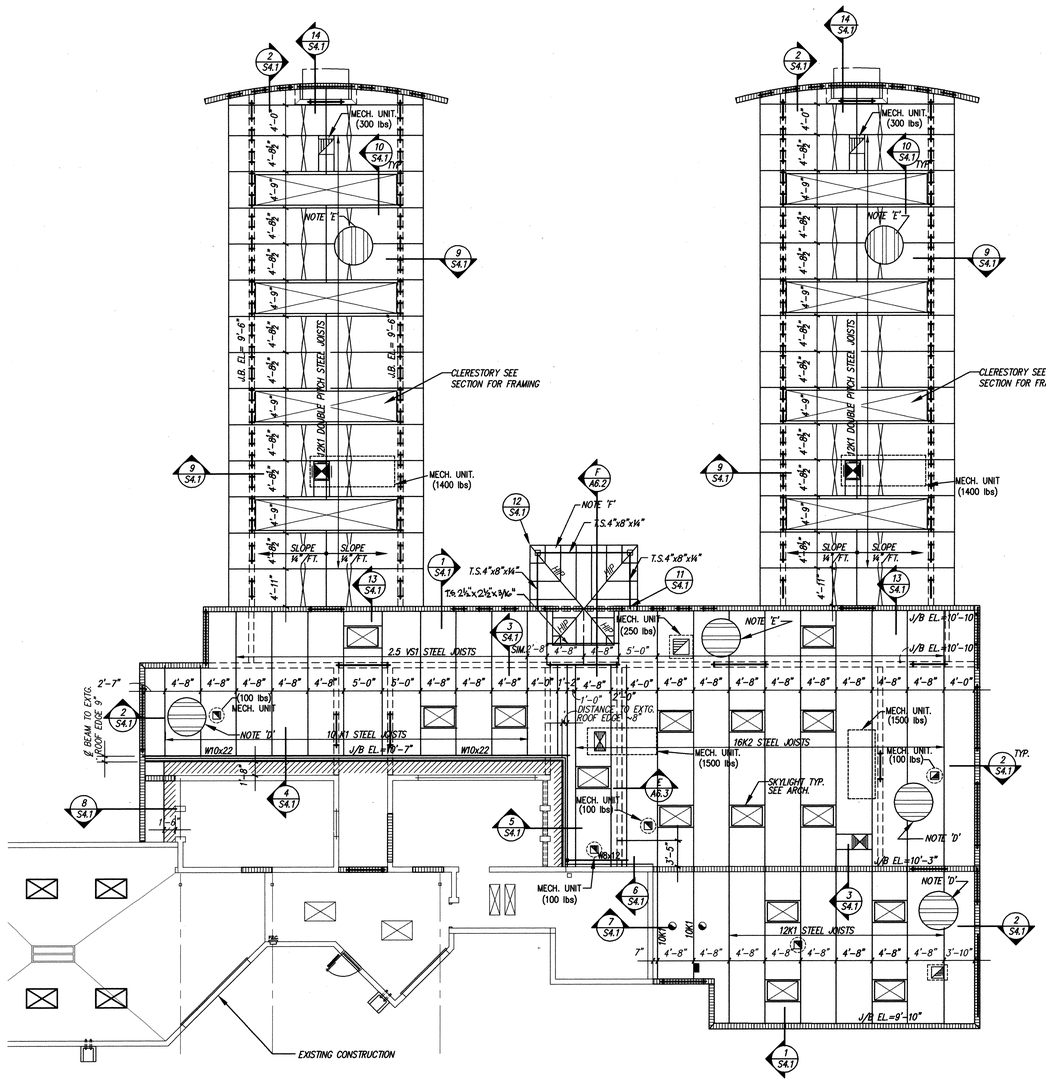

ROOF FRAMING PLAN

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

NOTE 'D' 1 1/2" TYPE 'B' 22 GA. PAINTED METAL DECK. S_xMIN= .208 IN.^{3} I_xMIN= .179 IN.^{4} SEE GENERAL NOTES FOR DECK WELDS.

NOTE PROVIDE STEEL JOIST BRIDGING PER STEEL JOIST INSTITUTE RECOMMENDATIONS AND OSHA REQUIREMENTS.

NOTE 'E' 1½" TYPE 'B', ACOUSTICAL, 20 GA. NESTABLE METAL DECK W/ GALVANIZED FINISH. ATTACH DECK TO SUPPORTS PERPENDICULAR TO RIBS W/ 7-#10 TEK SCREWS PER 36" WIDE SHEET AND TO SUPPORTS PARALLEL TO RIBS W/ #10 TEK SCREWS @ 12" O.C. ATTACH SIDE LAPS W/ #10 TEK SCREWS @ 16" O.C..

T/B INDICATES TOP OF BEAM ELEVATION

J/B INDICATES JOIST BEARING ELEVATION

NOTE: SEE MECHANICAL DRAWINGS FOR ROOF TOP UNITS, PENETRATIONS, ETC.

INDICATES EDGE OF EXISTING PERCAST CONC. ROOF FRAMING.

STEEL JOIST NOTE:

STEEL JOISTS HAVE BEEN SIZED FOR LOADS NOTED IN DESIGN CRITERIA ON SHEET S01.

MECHANICAL UNIT'S ROOF LOCATIONS AND WEIGHTS ARE APPROXIMATE.

JOIST MANUFACTURERER SHALL COORDINATE EXACT LOCATIONS AND WEIGHTS WITH CONTRACTOR. JOIST MANUFACTURER SHALL PROVIDE SPECIAL OR DOUBLE JOISTS UNDER MECH. EQUIPMENT AS REQUIRED.

NOTE: SEE STRUCTURAL GENERAL NOTES, STRUCTURAL EARTHWORK NOTES, AND TYPICAL DETAILS LOCATED AT THE BEGINNING OF THE STRUCTURAL DRAWINGS. THESE NOTES AND DETAILS ARE APPLICABLE WHETHER OR NOT DIRECT REFERENCE TO THEM IS MADE ELSEWHERE.

NOTE 'I' 6"-18GA. TYPE 'C' METAL STUD JOISTS AT 24" O.C. W/ ⅝" CDX PLYWOOD DECK. ATTACH DECK TO JOISTS W/ #12 SELF TAPPING SCREWS AT 6" O.C. ALONG EDGES AND AT 12" ALONG INTERMEDIATE SUPPORTS. HIPS SHALL BE 2-6"-18GA. METAL STUD JOISTS.

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval

Last Design Update: No./Day/Yr. | No./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 11 Of 33

GREGORY T. hicks & ASSOC., P.C.
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(505) 243-7492 fax: (505) 243-7506
SINCE 1980
· designing Today designing TOMORROW ·

DAVID H. SULLENS NEW MEXICO 13512 12-15-97

revisions:

proj. no: 9509
acad file: S-L2
date: Dec. 16, 1997

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title:
ROOF FRAMING PLAN

S1.2

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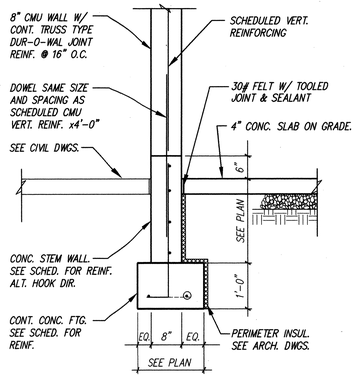
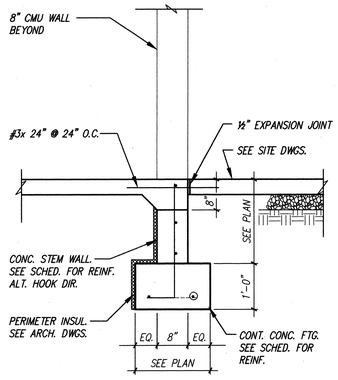


TYPICAL EXTERIOR CMU WALL AND CONC. FOUNDATION (1 S3.1)
SCALE: ¾"=1'-0"



TYPICAL EXTERIOR CMU WALL AND FOUNDATION AT DOORWAYS (2 S3.1)
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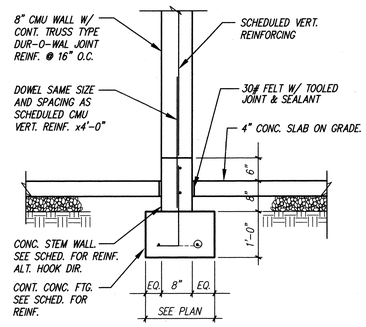

TYPICAL INTERIOR CMU WALL AND CONC. FOUNDATION (3 S3.1)
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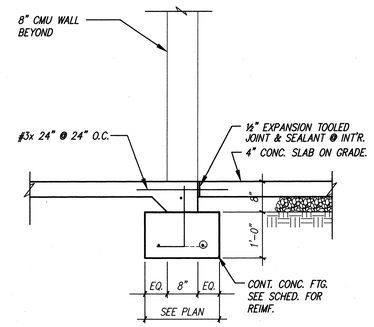

TYPICAL INTERIOR CMU WALL AND FOUNDATION AT DOORWAYS (4 S3.1)
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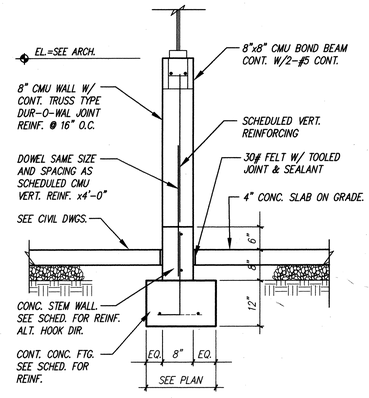

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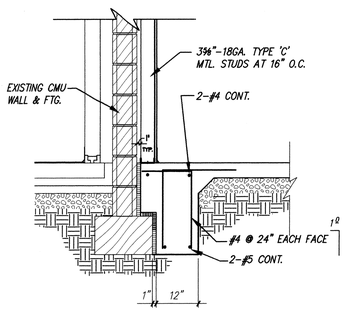

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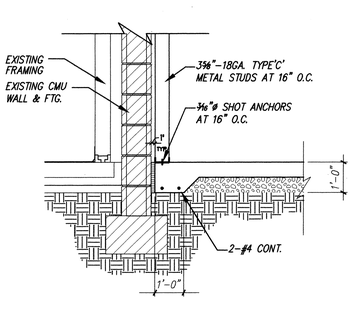

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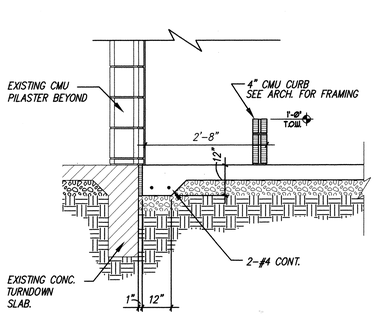

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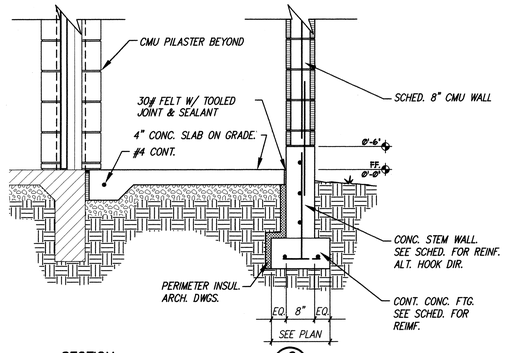

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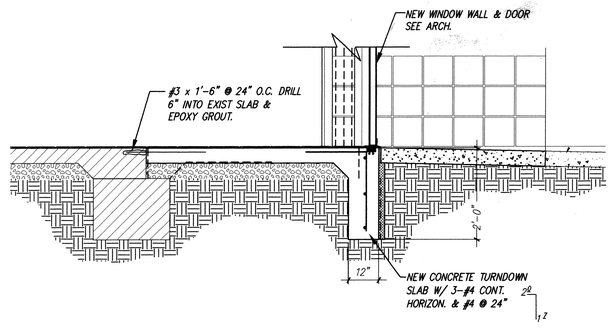

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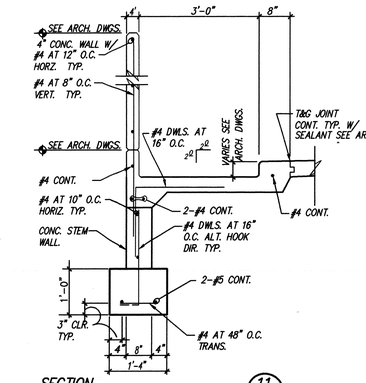

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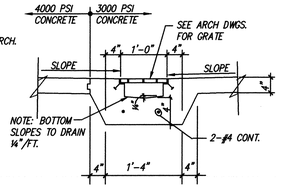

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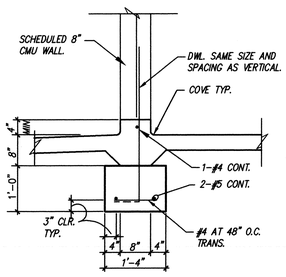

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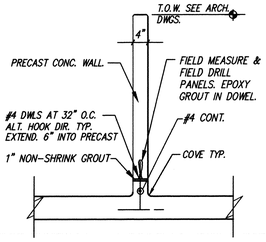

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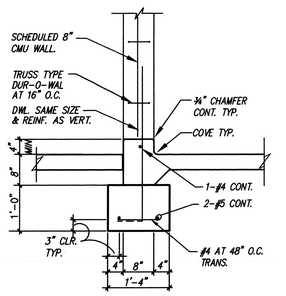

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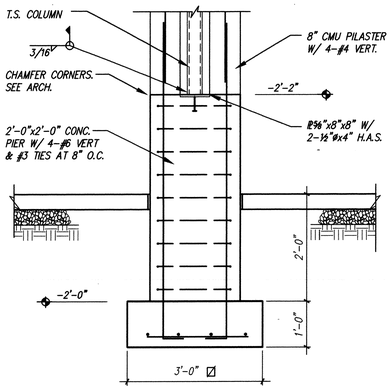

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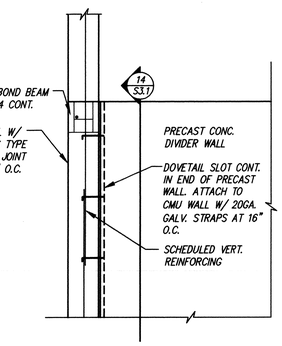
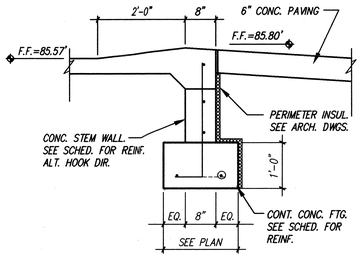


TYPICAL PRECAST WALL TO CMU WALL CONNECTION DETAIL



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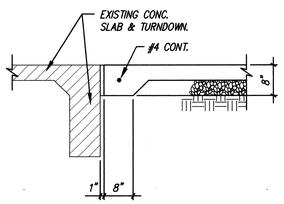

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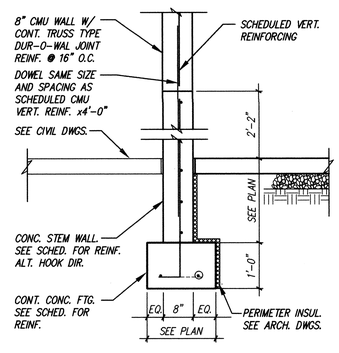

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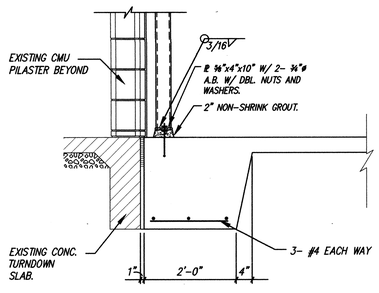

SECTION (20 S3.1)
SCALE: ¾"=1'-0"

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval

Last Design Update: No./Day/Yr. | No./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 12 Of 33

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DAVID H. SULLENS NEW MEXICO 13512 REGISTERED PROFESSIONAL ENGINEER 12-15-97

revisions:

proj. no.: 9509
acad file: S-3.1
date: Dec. 16, 1997

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
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sheet title:
SECTIONS AND DETAILS

S3.1

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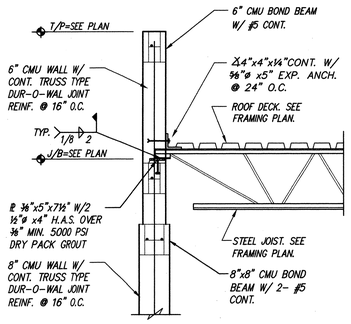
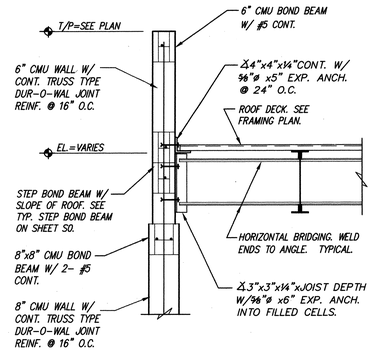


NOTE: SHORE ALL OPENINGS FOR 7 DAYS AFTER CELLS HAVE BEEN GROUTED. TYPICAL.

TYPICAL STEEL JOIST BEARING AT EXTERIOR CMU WALL (1 S4.1)
SCALE: ¾"=1'-0"



NOTE: SHORE ALL OPENINGS FOR 7 DAYS AFTER CELLS HAVE BEEN GROUTED. TYPICAL.

TYPICAL STEEL JOIST NON-BEARING AT EXTERIOR CMU WALL (2 S4.1)
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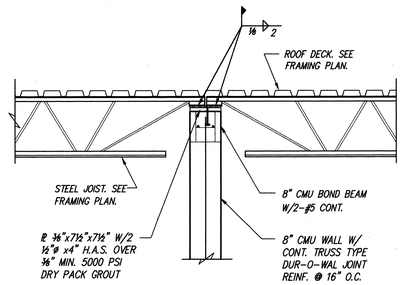
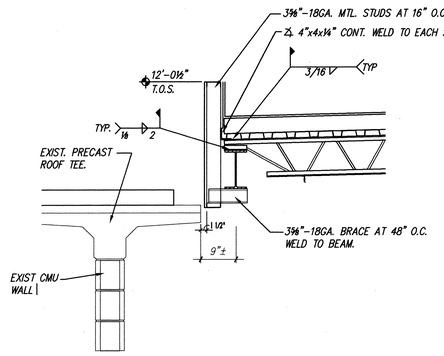


NOTE: SHORE ALL OPENINGS FOR 7 DAYS AFTER CELLS HAVE BEEN GROUTED. TYPICAL.

TYPICAL STEEL JOIST BEARING ON INTERIOR CMU WALL (3 S4.1)
SCALE: ¾"=1'-0"



SECTION (4 S4.1)
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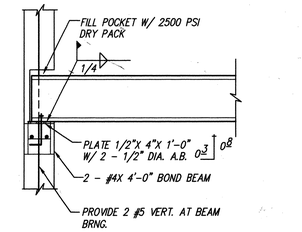
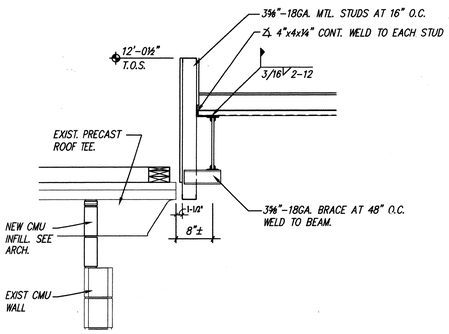


TYP. STEEL BEAM ON CMU WALL



SECTION (5 S4.1)
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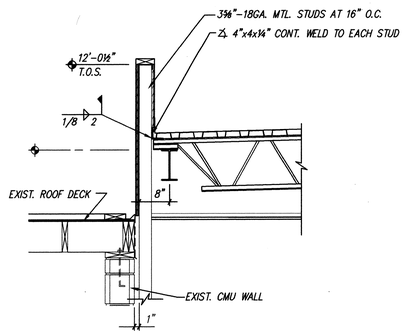

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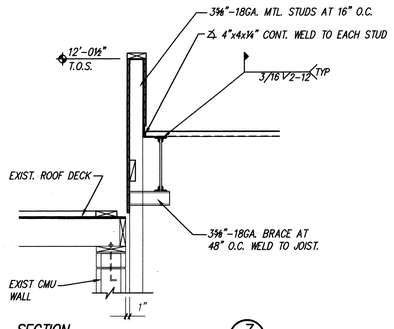

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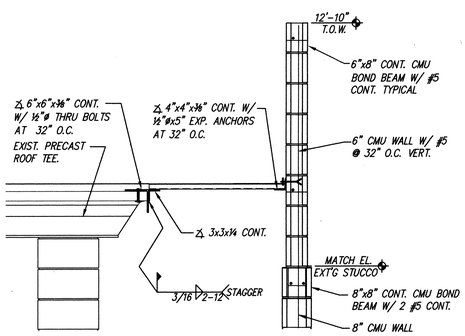

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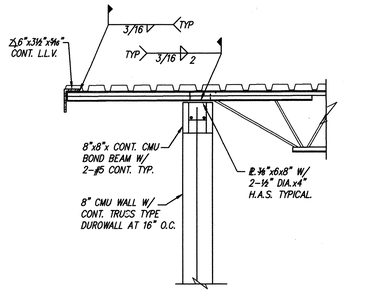

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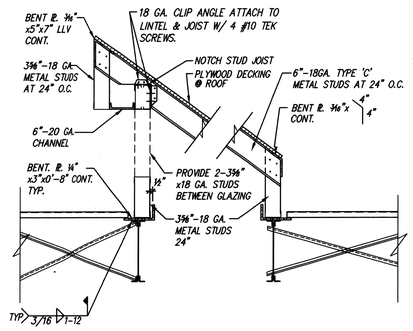

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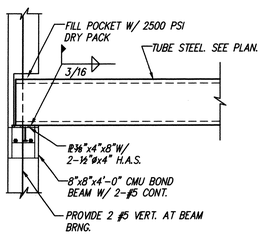

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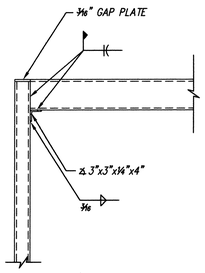

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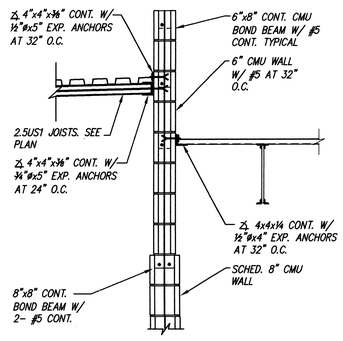

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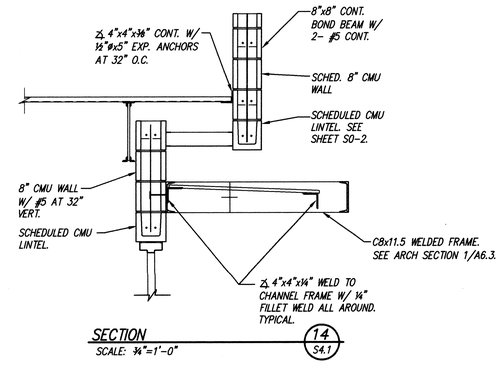

SECTION (14 S4.1)
SCALE: ¾"=1'-0"

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

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City Project No.	Zone Map No.	Sheet	Of
5219.90	K-20	13	33

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revisions:

proj. no.: 9609
acad file: S-4.1
date: Dec. 16, 1997

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title: SECTIONS AND DETAILS

S4.1

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NOTE
WORK WITHIN THIS BOUNDARY TO BE PERFORMED IN ACCORDANCE WITH THE CODE OF THE PROJECT MANUAL

NOTE
REFER TO KENNEL BUILDING NO.1 FOR DIMENSIONS AND NOTATION

NOTE
(-) INDICATES DIMENSIONS MEASURED ALONG EXTERIOR SURFACE OF WALL

FLOOR PLAN

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

1 ENLARGED PLAN

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

NOTE: REFER TO TYPICAL LAVATORY & TOILET DETAILS SHEET A3.1

KEYED NOTES

1. REMOVE EXISTING DOOR LEAFS AND REPLACE AS SHOWN.
2. REMOVE EXISTING DOOR AND FRAME. INFILL OPENING WITH 4" THK. CMU SOLID TO MATCH EXISTING WALL.
3. REMOVE EXISTING WALL CABINETS ETC. SHOWN DASHED.
4. REMOVE EXISTING BUILT-IN ROOM SERVICES.
5. REMOVE EXISTING WINDOW AND FRAME AND INSTALL NEW DOOR AND FRAME.
6. REMOVE EXISTING CMU WALL AND INSTALL NEW OPENING IN EXISTING CMU WALL AND INSTALL NEW DOOR AND FRAME.
7. 5/8" GYP. BD. ON 2-1/2" METAL STUD FURRING @ 16" O.C. EXTEND TO 4" ABOVE FINISHED CEILING.
8. HM FRAME. INFILL WALL BELOW NEW FRAME WITH CMU TO MATCH ADJACENT SURFACE.
9. REMOVE EXISTING CONCRETE PAVING AND CURB AT JUNCTION OF EXISTING AND NEW CONC. FLOOR SLAB.
10. REMOVE EXISTING HM FRAME. SEE SECTION-8.
11. LINE OF EXISTING GYP. BD. SOFFIT ABOVE TO REMAIN AND SEE ELEVATION 1/A3.1 FOR EXTENT OF EXTERIOR
12. REMOVE EXISTING FIRE EXTINGUISHER AND CABINET AS SHOWN.
13. REMOVE EXISTING DOOR AND FRAME AND INSTALL NEW DOOR AND FRAME.
14. REMOVE EXISTING HM FRAME AND COUNTER. EXISTING COLUMN TO REMAIN. INSTALL CMU INFILL AND NEW CMU TO MATCH EXISTING WALL.
15. REMOVE EXISTING HM FRAME AND INSTALL NEW DOOR AND FRAME AS SHOWN.
16. REMOVE EXISTING FIRE EXTINGUISHER AND CABINET AS SHOWN.
17. REMOVE EXISTING HM FRAME AND INSTALL NEW DOOR AND FRAME AS SHOWN.
18. REMOVE EXISTING HM FRAME AND INSTALL NEW DOOR AND FRAME AS SHOWN.
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100. REMOVE EXISTING DOOR AND FRAME AND INSTALL NEW DOOR AND FRAME AS SHOWN.

KEYED NOTES (CONT.)

1. INFILL AREA W/ 4" THK PORTLAND CEMENT CONC. PAVING.
2. REMOVE EXISTING GYP. BD. THIS WALL. INSTALL NEW 5/8" GYP. BD. ON 3-5/8" METAL RUNNING CHANNELS @ 16" O.C. EXTEND ABOVE FINISHED CEILING.
3. 5/8" GYP. BD. BOTH SIDES OF 3-5/8" METAL STUDS @ 16" O.C. EXTEND ABOVE FINISHED CEILING.
4. PREPARE SURFACE AND REPAINT EXISTING CMU AT EXTERIOR.
5. DRAINAGE FILTER. SEE SITE PLAN.
6. DRAINAGE INLET. SEE SITE PLAN.
7. UNDERGROUND STORM DRAINAGE PIPE.
8. CMU SCREEN WALL.
9. AREA DRAINAGE PLANTER DRAINAGE PLAN.
10. PROVIDE T. JOINT W/ BACKER ROD AND SEALANT BOTH SIDES OF EXISTING CONTROL JOINT.
11. REMOVE EXISTING DOOR AND FRAME TO BE RELOCATED TO PROVIDE REQUIRED SIDE CLEARANCE.
12. ORNAMENTAL STEEL FENCE.
13. HANGER DOOR STOPS, SEE TYPICAL.
14. NEW 42" LONG 5/8 GRAB BAR TO MATCH EXISTING.
15. REMOVE EXISTING TOILET PARTITION. EXTEND CONCEALED PIPING AS REQUIRED.
16. NEW 42" LONG 5/8 GRAB BAR TO MATCH EXISTING.
17. REMOVE EXISTING TOILET PARTITION. EXTEND EXISTING PIPING (REMAL (CAP PLUMBING (LEAVE EXPOSED).
18. RELOCATE EXISTING TOILET PARTITION. EXTEND EXISTING PIPING (REMAL (CAP PLUMBING (LEAVE EXPOSED).
19. REMOVE EXISTING VERTICAL SCREEN.
20. REMOVE EXISTING LAVATORY AND PLANT.
21. REMOVE EXISTING LAVATORY AND INSTALL NEW LAVATORY AND PLUMBING AS SHOWN.
22. REMOVE EXISTING CONCRETE AS NECESSARY TO INSTALL NEW DOOR. PROVIDE FINISHED END AT CABINET AND CONTERTOP.

WALL TYPES LEGEND

CMU WALLS WITH THIS SYMBOL ARE TO EXTEND UP TO 1/2" BELOW ROOF DECK. FILL JOINTS AND VOIDS WITH SEALANT.

CMU WALLS WITH THIS SYMBOL ARE TO EXTEND UP TO ROOF DECK. FILL JOINTS AND VOIDS AND AROUND PENETRATIONS WITH FIRE CAULK.

GENERAL NOTES

A. FIELD VERIFY ALL DIMENSIONS, SQUARENESS OF EXISTING CONSTRUCTION AND EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. SHOULD ANY DISCREPANCIES BE ENCOUNTERED, NOTIFY ARCHITECT BEFORE PROCEEDING.

B. MAINTAIN ALL MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION SERVICES TO ALL AREAS OF BUILDING AREAS WHERE PHASING DOES NOT PROVIDE ALL SYSTEMS, CROSS-CONNECTS, AND/OR TEMPORARY ROUTINGS AND OPERATIONS SHALL BE PROVIDED AS REQUIRED FOR CONTINUED OPERATION OF AREAS AS TO ALLOW AS NOT UNDER CONSTRUCTION - AT NO ADDITIONAL COST.

C. SEE SITE PLAN FOR CONTINUATION OF SITE WORK NOT SHOWN ON THIS PLAN.

D. DIMENSIONS ARE FROM FACE OF EXISTING CONSTRUCTION TO FACE OF NEW MASONRY OR CENTERLINE OF NEW STUDS UNLESS NOTED OTHERWISE.

E. PROVIDE CONCEALED BACKING FOR ALL WALL MOUNTED ITEMS INCLUDING DOOR BUFFERS, DOOR HOLDERS, GRAB BARS, ETC. SHOWN ON DRAWINGS.

F. WHERE NEW CMU WALL OCCURS, TIE NEW TO EXISTING CMU WITH 16" GA. CORRUGATED BRICK TIES EVERY OTHER COURSE.

G. THE OWNER MAINTAINS FIRST RIGHT OF REFUSAL OF ALL SALVAGEABLE ITEMS NOT INDICATED FOR REUSE. THE CONTRACTOR SHALL DELIVER SUCH ITEMS TO THE OWNER'S WAREHOUSE.

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

City Engineer Approval

Last Design Update	No./Date/In.	No./Date/In.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 14 | Of 33

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title: ROOF PLAN
DRAWING NUM: A1.1

proj. no.: 1909
sheet file: 1909A8
date: 12/16/97

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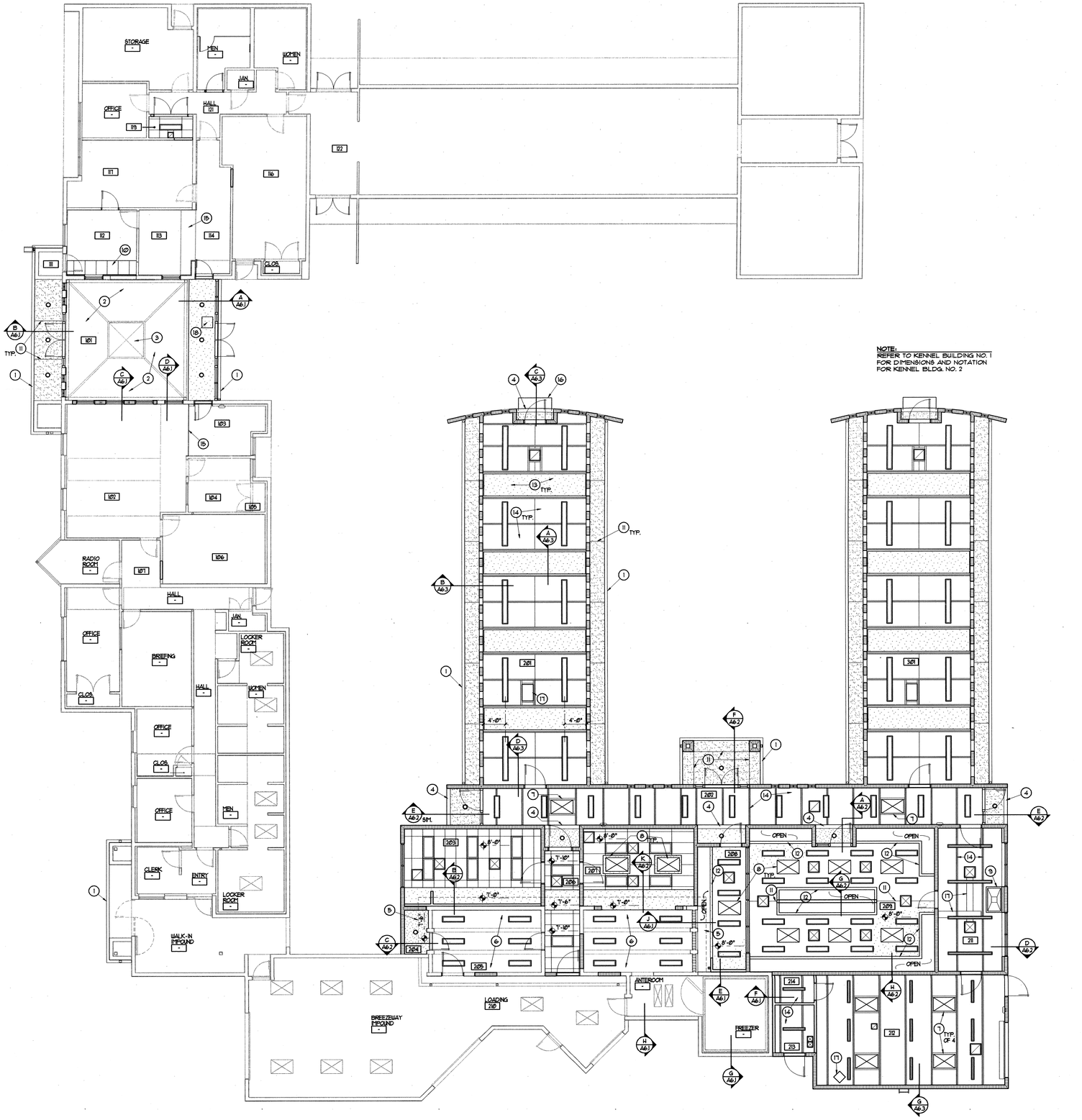


NOTE:
REFER TO KENNEL BUILDING NO. 1 FOR DIMENSIONS AND NOTATION FOR KENNEL BLDG. NO. 2

REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

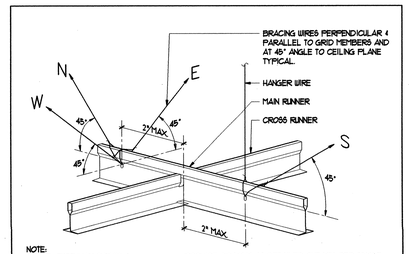
A. COORDINATE LOCATION OF ALL CEILING MOUNTED ITEMS WITH MECHANICAL, PLUMBING, AND ELECTRICAL.

KEYED NOTES

1. NEW GUTTER.
2. EXISTING CEILING TO REMAIN.
3. EXISTING SKYLIGHT.
4. CMU LINTEL.
5. DASHED LINE INDICATES EDGE OF EXISTING ROOF OVERHANG.
6. EXISTING EXPOSED CONCRETE ROOF TEES.
7. SKYLIGHT @ EXPOSED STRUCTURE.
8. SKYLIGHT @ SUSPENDED CEILING.
9. CONDENSATE HOOD.
10. CONSTRUCT FURR DOWN FROM SUSPENDED CEILING COMPONENTS. FIELD VERIFY HEIGHT TO CONCEAL CONDUITS AT FORMER CLOSET.
11. CONTROL JOINT.
12. BULKHEAD DOWN TO CAGES.
13. GYPSUM BOARD CEILING AT CLERESTORY.
14. EXPOSED JOISTS AND METAL DECK.
15. PATCH SOFFIT AT FORMER WALL LOCATIONS.
16. CANOPY.
17. MECHANICAL UNIT/ DUCT WORK. SEE MECHANICAL.
18. 24" SQ. ACCESS PANEL.

REFLECTED CEILING PLAN LEGEND

- STUCCO SOFFIT
- 5/8" GYP. BOARD
- LAY-IN ACOUSTICAL TILE
- ABOVE FINISH FLOOR HEIGHT
- 2X4 RECESSED FLUORESCENT LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- FLUORESCENT STRIP LIGHT
- SUPPLY DIFFUSER
- RETURN AIR/ EXHAUST GRILL
- CEILING MOUNTED EXIT SIGN



NOTE:
CONTRACTOR MAY SUBMIT ALTERNATE CEILING BRACING FOR APPROVAL.

PROVIDE BRACING AS DETAILED ONE MIN. PER SINGLE BRACE UP TO 96 SQ. FT. AND AT 12'-0" MAX. O.C. IN BOTH DIRECTIONS AND 4'-0" MAX. FROM WALLS ELSEWHERE.

1 DETAIL
SUSPENDED CEILING SEISMIC BRACING
SCALE: 3"=1'-0"

11/16/97

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No.: 5219.90 | Zone Map No.: K-20 | Sheet: 15 Of 33

STATE OF NEW MEXICO · GREGORY T. HICKS · 1230 · REGISTERED PROFESSIONAL ENGINEER
12/16/97

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revisions:

proj. no.: 9509
acad file: 9509A21
date: 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title:
REFLECTED CEILING PLAN

A2.1

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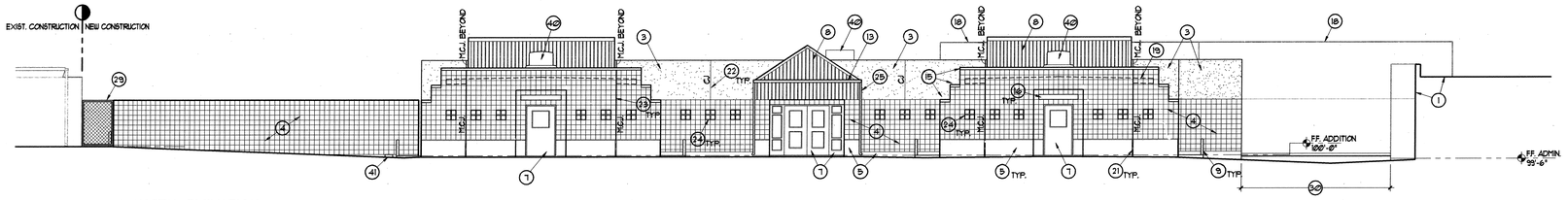
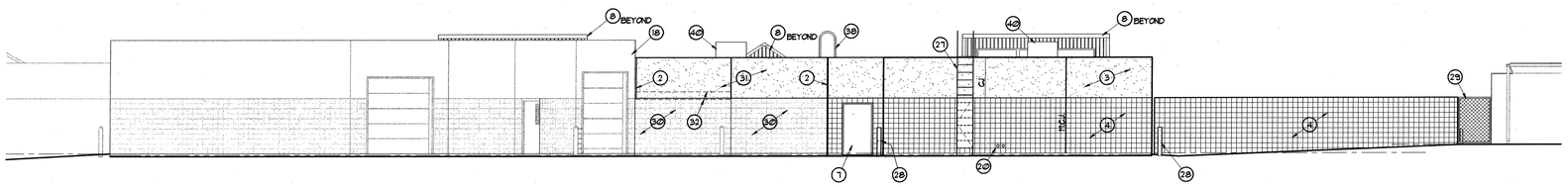
KEYED NOTES

1. PROFILE OF ADJACENT BUILDING.
2. SEALANT JOINT AT JUNCTION OF NEW AND EXISTING BUILDINGS.
3. STUCCO SYSTEM ON CMU.
4. SCORED CMU W/ RAKED JOINTS TO MATCH EXISTING, PAINT.
5. CONCRETE STEM, PAINT.
6. ALUMINUM WINDOW UNIT.
7. HOLLOW METAL DOOR/FRAME, PAINT.
8. PREFINISHED MANUFACTURED ROOF/WALL PANELS.
9. CAST-IN-PLACE CONCRETE SPLASH WALLS W/ CHAMFERED EDGES. PROVIDE V-GROOVE CONSTRUCTION JOINTS AT INTERVALS TO MATCH THOSE IN FLOOR SLAB. PAINT.
10. MODULAR KENNEL SYSTEM, NO PAINT.
11. VERTICAL SLIDING KENNEL DOORS, NO PAINT.
12. CONCRETE DIVIDER WALLS, NO PAINT.
13. NEW PREFINISHED METAL GUTTER.
14. PLAIN-FACED CMU W/ CONCAVE JOINTS. FINISH WITH 2 COATS BLOCK FILLER AND PAINT.
15. RADIUSED PREFINISHED METAL COPING SYSTEM.
16. CANOPY, PAINT.
17. BACK SIDE OF WALL TO BE PLAIN-FACED CMU W/ CONCAVE JOINTS. FINISH SIMILAR TO BACK WALL OF KENNEL RUNS.
18. EXISTING BUILDING.
19. DASHED LINE INDICATES PROFILE OF BUILDING BEYOND.
20. ROOF DRAINAGE NOZZLE.
21. V-GROOVE JOINT IN STEM TO ALIGN WITH MCJ.
22. STUCCO CONTROL JOINT (CJ).
23. MASONRY CONTROL JOINT (MCJ) W/ SEALANT.
24. GLASS BLOCK WINDOW.
25. PREFINISHED SHEET METAL DOWNSPOUT.
26. PREFINISHED COILING DOOR.
27. ROOF ACCESS LADDER WITH HINGED 3/16" TK. STEEL PLATE COVER PROVIDED WITH PADLOCK HASP.
28. BOLLARD, PAINT.
29. CHAIN LINK GATE.
30. PAINT EXISTING CMU.
31. STUCCO SYSTEM ON NEW PARAPET WALL.
32. EXISTING ROOF OVERHANG TO BE REMOVED.
33. EXISTING METAL ROOF/WALL PANELS.
34. CONC. PLANTER CURB.
35. STEEL PIPE HANDRAILS, PAINT.
36. NEW CONC. CURBS AND RAMP.
37. LIGHT FIXTURE.
38. ROOF TO ROOF LADDER. PAINT.
39. REPAINT EXISTING CMU. SEE FLOOR PLAN.
40. ROOFTOP MECHANICAL UNIT. PAINT. SEE MECHANICAL.
41. CONSTRUCT OPENING IN WALL FOR DRAINAGE. SEE GRADING AND DRAINAGE PLAN.
42. WELDED STEEL FENCE FRAME FROM 2" SQ. STEEL TUBE, PAINT.
43. 1" SQ. STEEL TUBE PICKETS WELDED TO FRAME, PAINT.
44. DOUBLE BACK CHANNEL MOUNTED ALUMINUM LETTERS BY ARK RAMOS ARCHITECTURAL SIGNAGE SYSTEMS OR EQUAL; 10" HEIGHT, HELVETICA MEDIUM 521, SATIN FACE W/ MATTE EDGE. MOUNTING CHANNELS TO MATCH COLOR OF METAL BUILDING PANELS.
45. PRE-FINISHED BENCH.
46. HAIRPIN DOOR STOPS, PAINT.



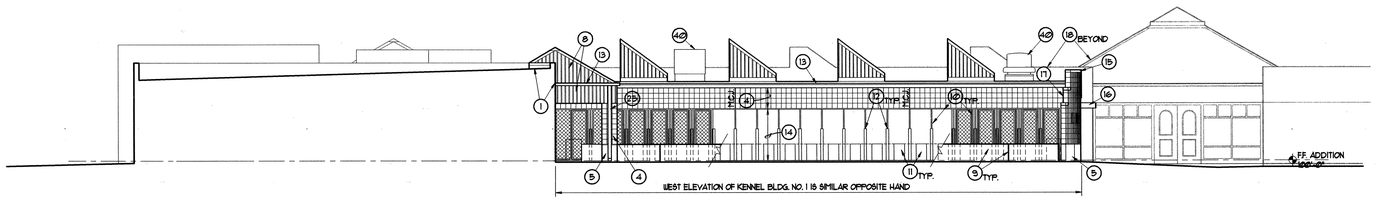
1 NORTH ELEVATION

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



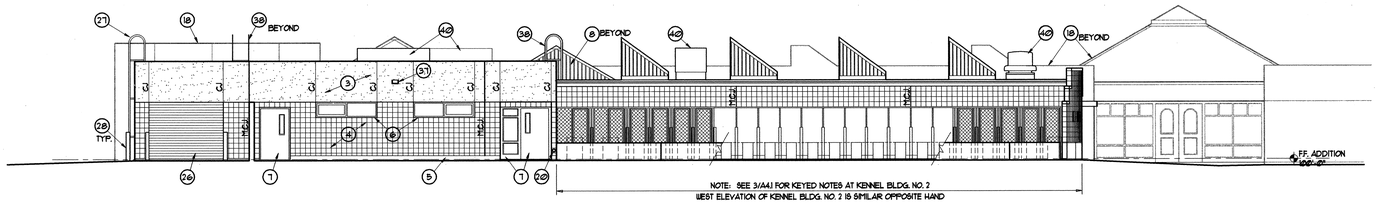
2 SOUTH ELEVATION

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



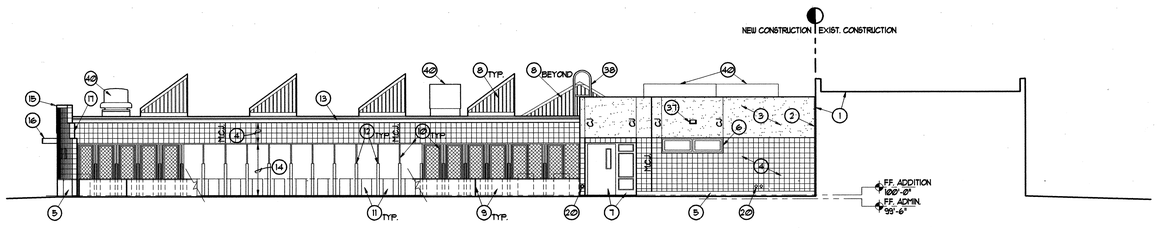
3 EAST ELEVATION

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



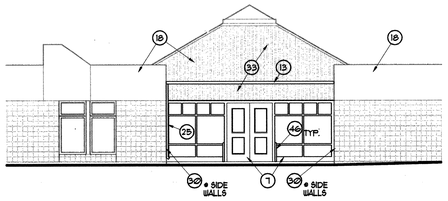
3A EAST ELEVATION

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



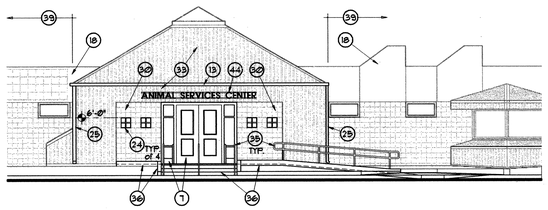
4 WEST ELEVATION

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



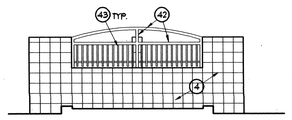
5 EAST ELEVATION – MAIN LOBBY ENTRY

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



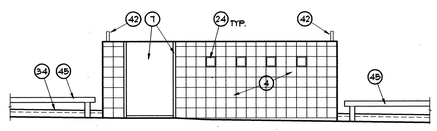
6 WEST ELEVATION – MAIN LOBBY ENTRY

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



7 SOUTH ELEVATION – ISLAND ENCLOSURE
(North Similar)

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



8 EAST ELEVATION – ISLAND ENCLOSURE
(West Similar Opp. Hand)

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

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: EASTSIDE ANIMAL SERVICES CENTER Additions and Renovations			
Chief, Public Improvements	City Engineer Approval	Last Design Update	Mo./Day/Yr. / Mo./Day/Yr.
APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE			
City Project No. 5219.90	Zone Map No. K-20	Sheet 16	Of 33

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revisions:

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EASTSIDE ANIMAL SERVICES CENTER
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sheet title:
EXTERIOR ELEVATIONS

A4.1

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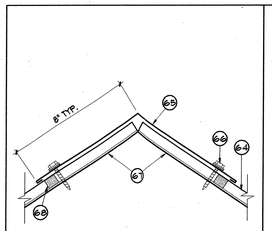
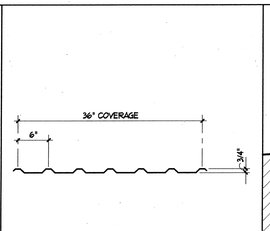
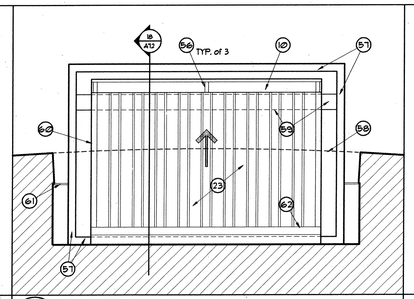


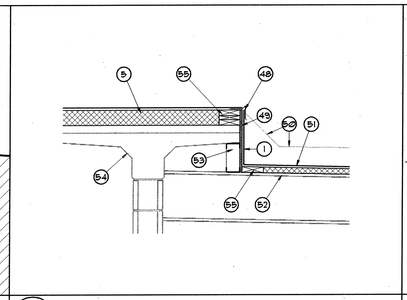
6 DETAIL RIDGE FLASHING
SCALE: 3"=1'-0"



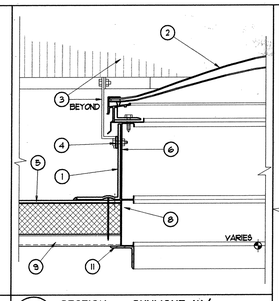
5 METAL BLDG. PANEL PROFILE
SCALE: 1"=1'-0"



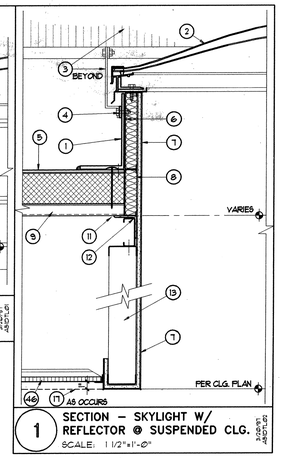
4 ENLARGED ROOF PLAN @ CANOPY
SCALE: 3/4"=1'-0"



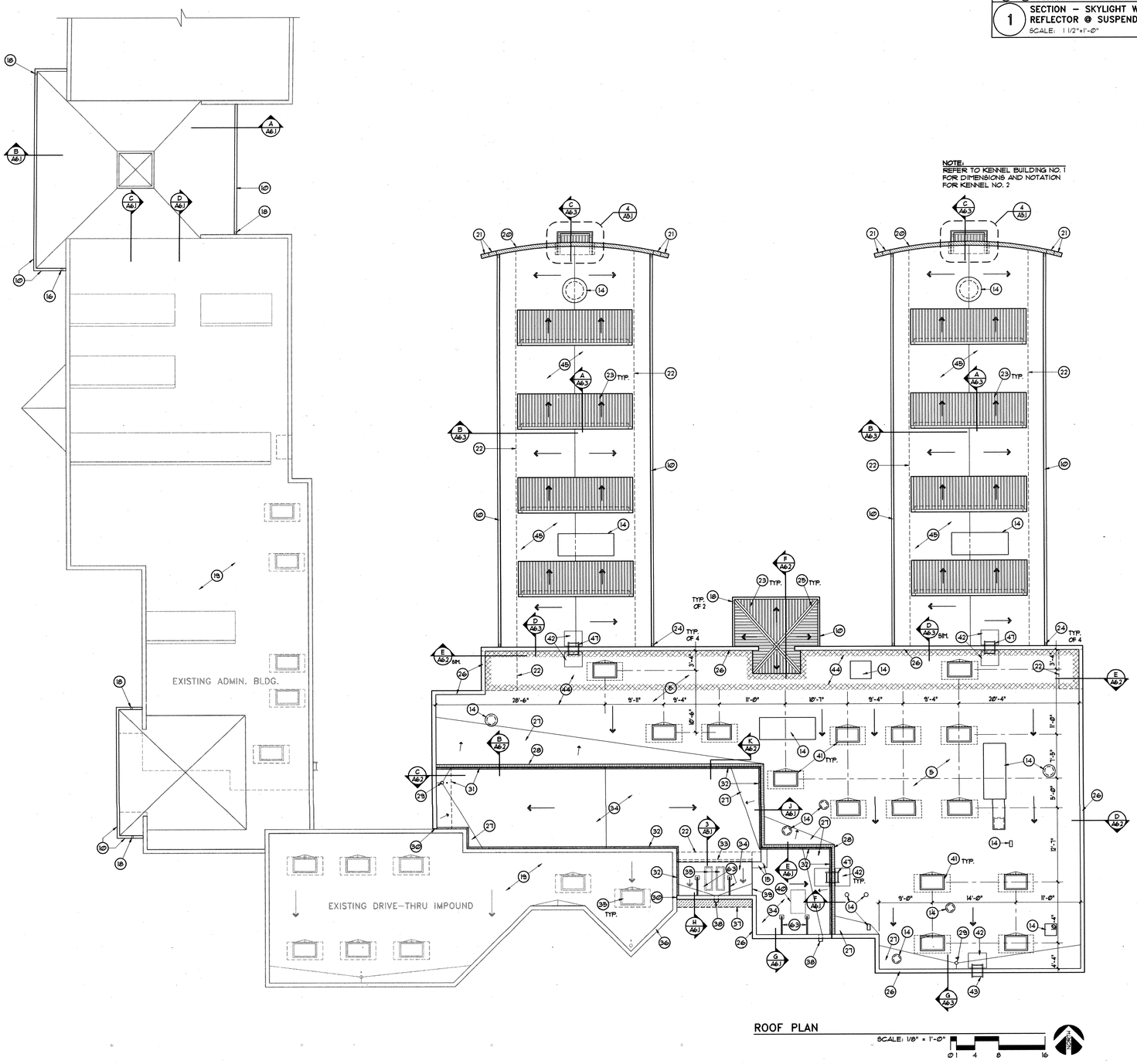
3 SECTION – ROOF TRANSITION
SCALE: 3/4"=1'-0"



2 SECTION – SKYLIGHT W/ REFLECTOR @ EXP. STRUC.
SCALE: 1 1/2"=1'-0"



1 SECTION – SKYLIGHT W/ REFLECTOR @ SUSPENDED CLG.
SCALE: 1 1/2"=1'-0"



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

KEYED NOTES

1. MEMBRANE FLASHING. TERMINATE PER MANUF. STANDARD DETAILS.
2. DOUBLE-DOMED SKYLIGHT UNIT.
3. SKYLIGHT REFLECTOR AND MOUNTING BRACKET.
4. THRU-BOLT REFLECTOR MOUNTING BRACKET TO CURB PER MANUF. RECOMMENDATIONS.
5. NEW ROOFING MEMBRANE ON RIGID INSULATION BOARD.
6. 10" x 16 GA. 'C' METAL STUD CURB WELDED TO CURB BELOW.
7. 5/8" GYP. BD.
8. 6" x 20 GA. 'C' METAL STUD CURB WELDED TO ROOF OPENING ANGLE FRAME.
9. METAL DECKING.
10. GUTTER FROM PREFINISHED SHEET METAL.
11. ROOF OPENING ANGLE FRAME. SEE STRUCTURAL.
12. 3-5/8" x 20 GA. 'C' METAL STUD WELDED TO ANGLE FRAME ALL SIDES.
13. 3-5/8" x 25 GA METAL STUDS @ 16" O.C.
14. ROOF TOP MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL.
15. CONSTRUCT CANT TRANSITION AT ROOF STEP FROM 3/4" TK. CDX PLYWOOD.
16. NEW DOWNSPOUT W/ ELBOW FROM PRE-FINISHED SHEET METAL. TERMINATE INTO EXISTING 8"PLASHBLOCK.
17. SUSPENDED GYP. BD. CEILING PER SCHEDULE.
18. NEW DOWNSPOUT W/ ELBOW FROM PRE-FINISHED SHEET METAL. TERMINATE 6" ABOVE PAVEMENT/GRADE.
19. EXISTING ROOFING TO REMAIN.
20. RADIUSED METAL COPING SYSTEM SHOWN W/ DIAGONAL HATCH.
21. STEPPED PARAPET.
22. OUTLINE OF BUILDING BELOW ROOF.
23. PRE-FINISHED METAL BUILDING PANELS.
24. GUTTER DRAIN.
25. RIDGE, SEE DETAIL THIS SHEET.
26. STUCCO PARAPET CAP.
27. CRICKET FROM TAPERED INSULATION BOARD.
28. GALVANIZED SHEET METAL COPING SHOWN HATCHED.
29. ROOF DRAIN AND OVERFLOW PIPE.
30. SEALANT JOINT.
31. DASHED LINE INDICATES EDGE OF EXISTING ROOF OVERHANG.
32. ROOF-WALL EXPANSION JOINT PER ROOF MANUFACTURER'S STANDARD DETAILS SHOWN SHADED.
33. CONSTRUCT CLOSURE BETWEEN ROOFS.
34. REMOVE EXISTING ROOFING TO DECK. APPLY NEW MEMBRANE ON RIGID INSULATION BOARD.
35. EXISTING SKYLIGHTS.
36. EXISTING PARAPET.
37. REMOVE EXISTING ROOF OVERHANG.
38. GALVANIZED SHEET METAL SCUPPER.
39. ROOF EDGE PER ROOF MANUF. STANDARD DETAIL.
40. EXISTING ROOF-TOP MOUNTED EQUIPMENT.
41. 30"W x 48"L UNIT SKYLIGHT W/ ZOMEWORKS REFLECTOR.
42. 3' x 3' ROOF WALKWAY PAD AT LADDER LANDINGS.
43. ROOF ACCESS LADDER.
44. PORTION OF ROOF WITHIN HATCHED BOUNDRY TO BE ON 1/4" PER FT. TAPERED INSULATION BOARD OVER 1/2" GYPSUM BOARD ON DEAD FLAT ACOUSTICAL METAL DECKING W/ FIBROUS INSERTS @ FLUTES.
45. NEW MEMBRANE ROOFING ON RIGID INSULATION BOARD OVER 1/2" GYPSUM BOARD ON ACOUSTICAL METAL DECKING W/ FIBROUS INSERTS @ FLUTES.
46. SUSPENDED LAY-IN CEILING.
47. ROOF-TO-ROOF ACCESS LADDER. SEE F/ A6.1 FOR CONSTRUCTION.
48. GALV. SHEET METAL GRAVEL STOP EDGE FLASHING.
49. 1/2" CDX PLYWOOD BACKING AT ROOFING VERT. FLASHING.
50. LINE OF ROOF BEYOND.
51. MEMBRANE ROOFING ON 1-1/2" TK. RIGID INSULATION BD. OVER EXISTING ROOF DECK.
52. EXISTING ROOF DECK.
53. 3-5/8" X 20 GA. MTL. STUDS @ 16" O.C.
54. EXISTING CONC. ROOF TEE.
55. CONT. 5-1/2" WIDE WOOD BLOCKING.
56. GUTTER SUPPORT STRAPS.
57. STEEL PERIMETER CHANNEL.
58. LINE OF WALL ABOVE.
59. STEEL ANGLE BELOW.
60. ROOF PANEL EDGE TRIM FROM PREFINISHED SHEET METAL.
61. STEEL BAR SUPPORT WELDED TO CHANNEL AND IMBEDDED INTO CMU BOTH SIDES.
62. CLOSURE TRIM FROM PREFINISHED SHEET METAL.
63. PARAPET WALL BRACES.
64. METAL ROOF PANEL ON #30 FELT.
65. RIDGE W/ GALV. SHEET METAL CAP.
66. NEOPRENE GASKETED FASHENERS @ 24" O.C.
67. ROOF DECK.
68. CONTINUOUS CLOSURE STRIP.

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: EASTSIDE ANIMAL SERVICES CENTER Additions and Renovations			
Design Review Committee APPROVED DESIGN REVIEW COMMITTEE	City Engineer Approval	Last Design Update	Mo./Day/Yr.
City Project No. 5219.90	Zone Map No. K-20	Sheet 17	Of 33

STATE OF NEW MEXICO
REGISTERED
GREGORY T. HICKS
12302
PROFESSIONAL ENGINEER
12-22-97

GREGORY T. hicks & ASSOC., P.C.
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(505) 243-7492 fax (505) 243-1106
SINCE 1980
• designing today designing TOMORROW •

revisions:

proj. no.: 9509

acad file: 9509A51

date: 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title:
ROOF PLAN
ROOF DETAILS

A5.1

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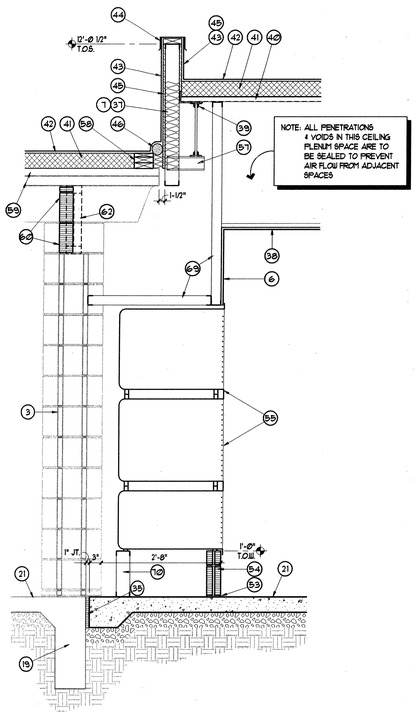
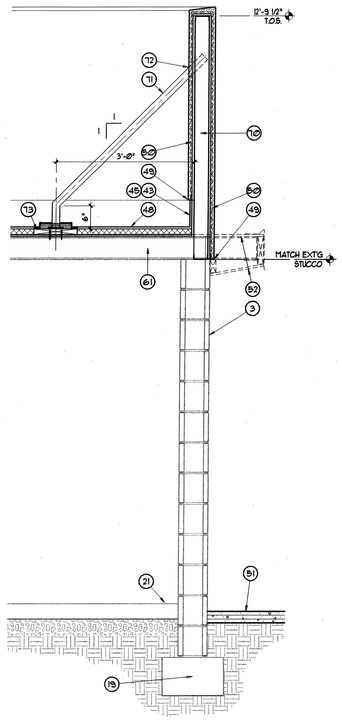


J SECTION

SCALE: 3/4" = 1'-0"



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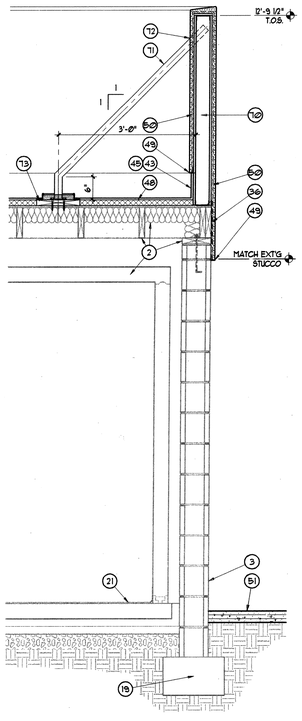

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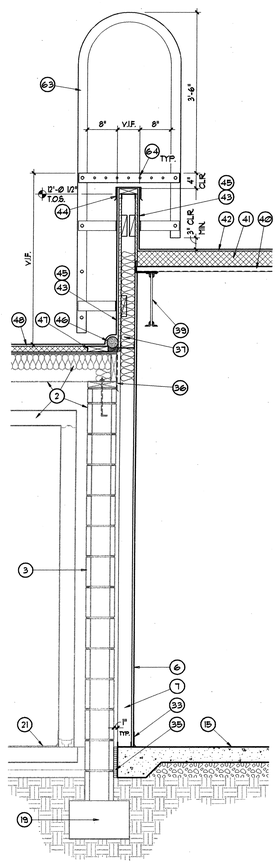

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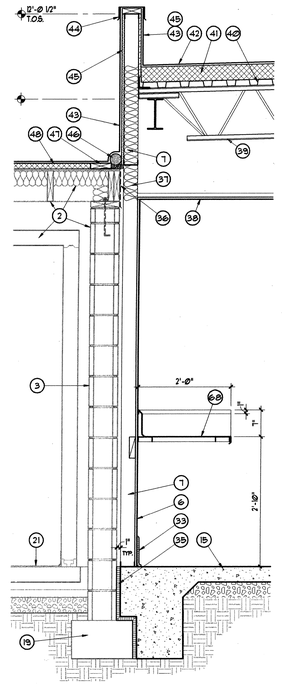
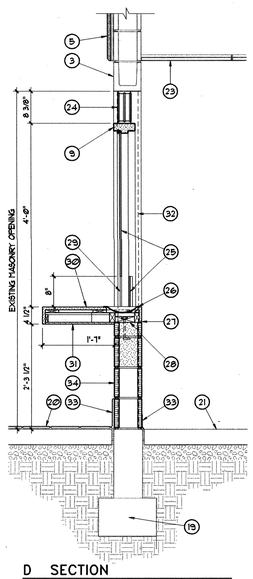


E SECTION

SCALE: 3/4" = 1'-0"

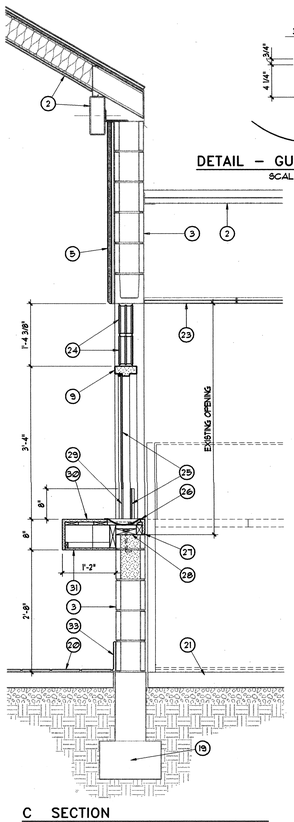
KEYED NOTES

1. PRE-FINISHED SHEET METAL GUTTER W/ SUPPORT STRAPS @ 3'-0" O.C.
2. EXISTING CONSTRUCTION.
3. EXISTING CMU.
4. REMOVE EXISTING VESTIBULE STRUCTURE.
5. ACOUSTICAL WALL PANELS ALL FOUR WALLS OF LOBBY.
6. 5/8" GYPSUM BOARD.
7. 3-5/8" METAL STUDS @ 16" O.C.
8. R-19 BATT INSULATION.
9. HOLLOW METAL FRAME.
10. REMOVE EXISTING SUPPORT COLUMNS, 4 PER VESTIBULE.
11. 1/2" EXPANSION JOINT MATERIAL FULL DEPTH OF CONCRETE.
12. NEW PORTLAND CEMENT CONCRETE PAVING.
13. EXISTING CONCRETE PAVING.
14. PERIMETER INSULATION.
15. NEW CONCRETE FLOOR SLAB.
16. REMOVE EXISTING CONCRETE FOUNDATION SHOWN HATCHED.
17. SAWCUT & REMOVE PORTION OF EXISTING VESTIBULE CONCRETE SLAB SHOWN HATCHED.
18. PROVIDE EXPANSION JOINT @ CERAMIC TILE GROUT JOINT AT JUNCTION OF EXISTING & NEW SLABS.
19. APPROXIMATE CONFIGURATION OF EXISTING CONCRETE FOUNDATION TO REMAIN.
20. FLOOR FINISH PER SCHEDULE.
21. EXISTING CONCRETE SLAB.
22. STUCCO SOFFIT SYSTEM ON METAL RIB LATH.
23. EXISTING CEILING.
24. GLASS BLOCK SET W/ COLORED MORTAR.
25. GLAZING W/ EASED BRIGHT POLISHED EDGES WHERE EXPOSED TO CONTACT.
26. 5/8 DEAL TRAY;
27. 3/8"H x 3/8"D QUIRK, PAINT.
28. 2x WOOD PLAT W/ 2 EA. 1/2" x 8"L ANCHOR BOLTS SET IN GROUTED CELL.
29. PROVIDE METAL FILLER STRIP TO SUPPORT GLASS @ JAMBS.
30. SERVICE COUNTER OF PLASTIC LAMINATE ON 3/4" TK. WOOD SUBSTRATE.
31. BOTTOM PANEL OF PLASTIC LAMINATE ON 1/2" TK. WOOD SUBSTRATE.
32. REMOVE EXISTING DOOR AND FRAME.
33. BASE PER FINISH SCHEDULE.
34. 8" CMU W/ SCORED FACE TO MATCH EXISTING.
35. 1" EXPANSION JOINT MATERIAL FULL DEPTH OF SLAB.
36. REMOVE EXISTING SHEET METAL FASCIA.
37. R-11 BATT INSULATION.
38. SUSPENDED CEILING PER FINISH SCHEDULE.
39. SEE STRUCTURAL.
40. METAL ROOF DECK.
41. RIGID INSULATION.
42. ROOFING SYSTEM MEMBRANE.
43. VERTICAL MEMBRANE FLASHING. TERMINATE PER MANUF. STANDARD DETAILS.
44. GALV. SHEET METAL COPING W/ CONT. 2x WOOD NAILER SCREWED TO METAL STUD TRACK.
45. 1/2" CEMENTITIOUS TILE BACKER BOARD.
46. ROOF TO WALL EXPANSION JOINT PER ROOFING MANUF. STANDARD DETAILS.
47. CONTINUOUS 2x6 WOOD NAILER.
48. REMOVE EXISTING ROOFING TO DECK. INSTALL NEW ROOFING SYSTEM ON 1-1/2" TK RIGID INSULATION.
49. TERMINATE STUCCO SYSTEM W/ METAL TRIM STOP.
50. 1" STUCCO SYSTEM ON METAL LATH ON #15 BUILDING PAPER OVER 1/2" GYPSUM SHEATHING.
51. ASPHALTIC CONCRETE PAVING.
52. REMOVE EXISTING ROOF OVERHANG.
53. CONTINUOUS SEALANT @ WALL/ FLOOR JOINT.
54. 4" CMU SLUSH GROUT SOLID W/ MORTAR.
55. STAINLESS STEEL CAGE.
56. CONTINUOUS 3"x3"x1/4" STEEL SUPPORT ANGLE WELDED TO STUDS.
57. METAL STUD BRACING.
58. CONTINUOUS 5 1/2"W BUILT-UP WOOD BLOCKING.
59. EXISTING CONCRETE TEE ROOF STRUCTURE.
60. INFILL FORMER OPENING W/ 4" TK. CMU SOLIDS TO MATCH EXISTING WALL. COPE TO EXISTING.
61. EXISTING STEEL BEAM ROOF JOISTS TO REMAIN.
62. REMOVE EXISTING WINDOWS.
63. STEEL ROOF TO ROOF ACCESS LADDER. ATTACH TO SOLID WOOD BLOCKING.
64. FLATIRON FROM 3/4" DIA. STEEL BARS @ 2" O.C. WELDED TO SIDE RAILS.
65. DUCTWORK, SEE MECHANICAL.
66. LIGHT FIXTURE.
67. REMOVE EXISTING BRACING AS REQUIRED TO INSTALL DUCTWORK. REPLACE W/ NEW METAL STUD BRACING AS SHOWN.
68. STAINLESS STEEL COUNTER.
69. 2-1/2" METAL STUDS @ 16" O.C.
70. 3-5/8" x 18 GA. METAL STUDS @ 16" O.C.
71. 2 x 2 STEEL TUBE BRACE @ 1/3 POINTS OF WALL LENGTH. WELD TO METAL STUDS.
72. APPLY SEALANT @ PERIMETER.
73. 4" x 4" x 1/4" BASE PLATE W/ 4 EA. 1/2" DIA. LAG SCREWS INTO 2x WOOD BLOCKING SCREWED THRU DECKING. PROVIDE PITCH PAN PER ROOF MANUF. STANDARD DETAILS.



D SECTION

SCALE: 3/4" = 1'-0"



C SECTION

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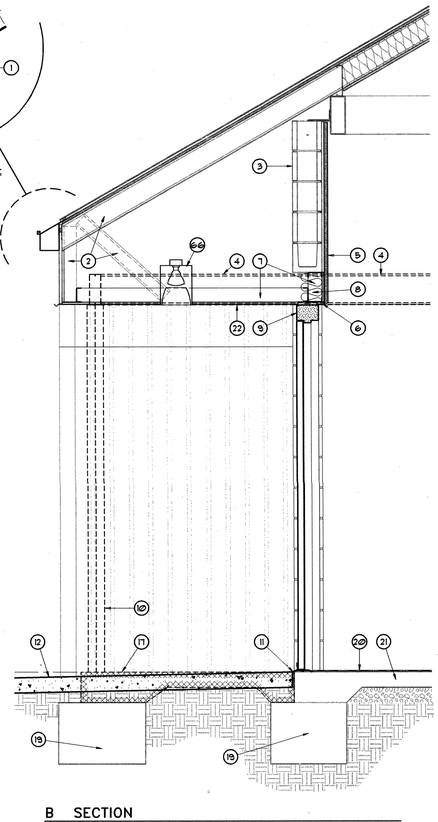
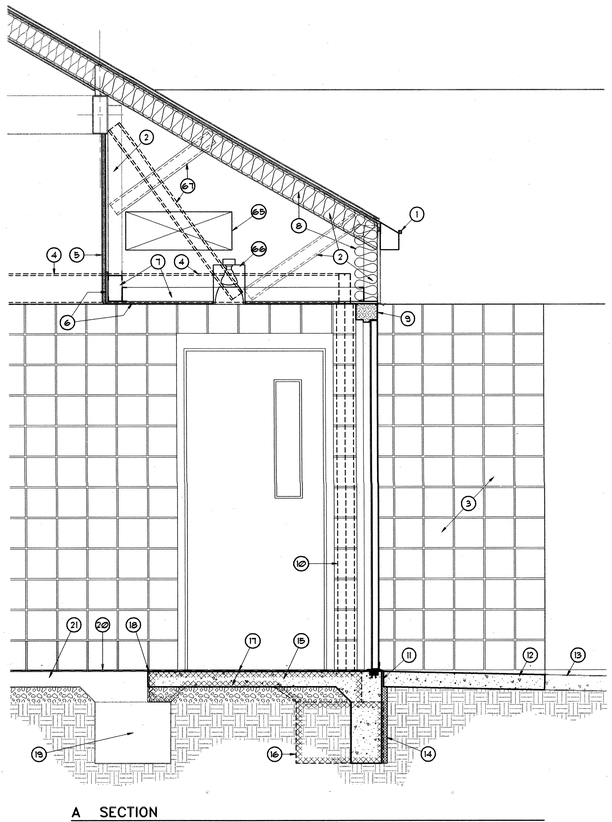


B SECTION

SCALE: 3/4" = 1'-0"



A SECTION

SCALE: 3/4" = 1'-0"

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED — DESIGN REVIEW COMMITTEE

City Engineer Approval

Last Design Update: Mo./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 18 Of 33

RECORD DRAWINGS APRIL 2000

STATE OF NEW MEXICO
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12310
REGISTERED ARCHITECT
11/18/97

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SINCE 1980
• designing today designing tomorrow •

revisions:

proj. no: 9509

acad file: 9509A61

date: 11/18/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title: SECTIONS

A6.1

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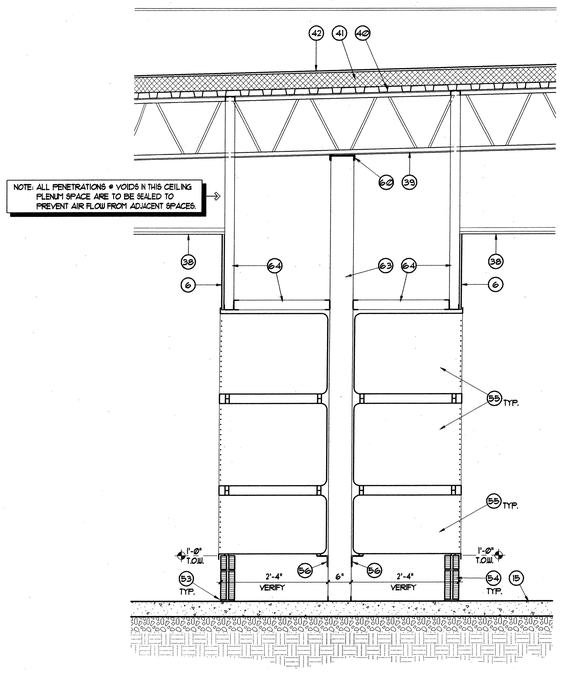
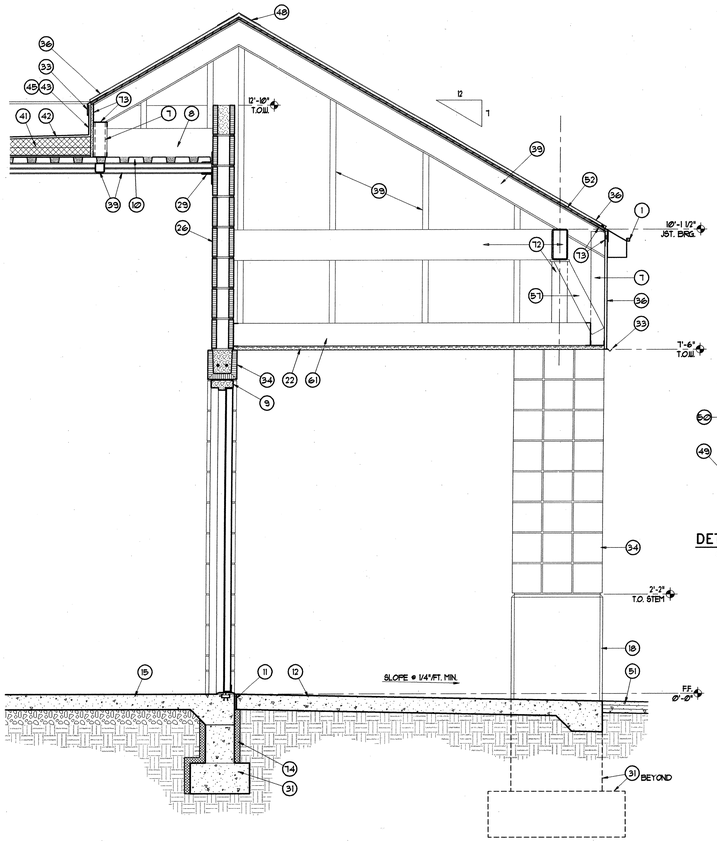
KEYED NOTES

1. PRE-FINISHED SHEET METAL GUTTER W/ SUPPORT STRAPS @ 3'-0" O.C. SEE B½A6.1.
2. 1/2" GYP. BOARD UNDERLAYMENT.
3. EXISTING CMU.
4. HEADER FROM 2-6" x 20 GA. METAL STUDS.
5. TAPERED RIGID INSULATION BOARD OVER FLAT ROOF STRUCTURE PER ROOF PLAN.
6. 5/8" GYPSUM BOARD.
7. 3-5/8" METAL STUDS @ 16" O.C.
8. R-19 BATT INSULATION.
9. HOLLOW METAL FRAME.
10. PERFORATED ACOUSTICAL METAL DECKING WITH FIBROUS INSERTS AT FLUTES.
11. 1/2" EXPANSION JOINT MATERIAL FULL DEPTH OF CONCRETE.
12. NEW PORTLAND CEMENT CONCRETE PAVING.
13. SEAL JOINT BETWEEN TOP OF CMU WALL AND METAL DECK.
14. PERIMETER INSULATION.
15. NEW CONCRETE FLOOR SLAB.
16. 2" TK. CMU SOLID.
17. 8" CMU IN RUNNING BOND WITH CONCAVE JOINTS.
18. CONCRETE STEM WALL.
19. APPROXIMATE CONFIGURATION OF EXISTING CONCRETE FOUNDATION TO REMAIN.
20. FILL VOID WITH BATT INSULATION.
21. EXISTING CONCRETE SLAB.
22. STUCCO SOFFIT SYSTEM ON METAL RIB LATH.
23. TERMINATE WITH METAL TRIM AND CAULK.
24. DASHED LINE INDICATES CONDITION WHERE EXISTING WALL IS TO BE REMOVED.
25. 3-5/8" METAL STUDS @ 16" O.C. ATTACH TRACK TO EXISTING CONCRETE TEE.
26. 6" PLAIN-FACE CMU. FILL UNGROUTED CELLS WITH FOAMED-IN-PLACE INSULATION.
27. ROOF DRAIN.
28. CRICKET FROM TAPERED INSULATION BOARD.
29. PERIMETER DECK SUPPORT ANGLE.
30. REMOVE PORTION OF EXISTING CMU WALL SHOWN DASHED.
31. CONCRETE FOUNDATION, SEE STRUCTURAL.
32. WINDOW UNIT.
33. PRE-FINISHED SHEETMETAL FLASHING.
34. 8" CMU W/ SCORED FACE TO MATCH EXISTING.
35. 1" EXPANSION JOINT MATERIAL FULL DEPTH OF SLAB. HOLD MATERIAL DOWN 3/4" AND SEAL JOINT WITH SEALANT.
36. PRE-FINISHED METAL ROOF/WALL PANELS.
37. R-11 BATT INSULATION.
38. SUSPENDED CEILING PER FINISH SCHEDULE.
39. SEE STRUCTURAL.
40. METAL ROOF DECK.
41. RIGID INSULATION.
42. ROOFING SYSTEM MEMBRANE.
43. VERTICAL MEMBRANE FLASHING. TERMINATE PER MANUF. STANDARD DETAILS.
44. GALV. SHEET METAL COPING W/ CONT. 2x WOOD NAILER SCREWED TO METAL STUD TRACK.
45. 1/2" CEMENTITIOUS TILE BACKER BOARD.
46. ROOF TO WALL EXPANSION JOINT PER ROOFING MANUF. STANDARD DETAILS.
47. 2x6 WOOD NAILER AT PERIMETER.
48. CAP FLASHING FROM PRE-FINISHED SHEETMETAL.
49. TERMINATE STUCCO SYSTEM W/ METAL TRIM STOP.
50. 1" STUCCO SYSTEM ON METAL LATH ON #15 BUILDING PAPER OVER CMU.
51. ASPHALTIC CONCRETE PAVING.
52. FIL WOOD ROOF DECKING
53. CONTINUOUS SEALANT @ WALL/ FLOOR JOINT.
54. 4" CMU. SLUSH GROUT SOLID W/ MORTAR.
55. STAINLESS STEEL EDGE.
56. CONTINUOUS 3"x3"x1/4" STEEL SUPPORT ANGLE WELDED TO STUDS.
57. STUD BRACING @ 48" O.C.
58. CONTINUOUS 5-1/2"W BUILT-UP WOOD BLOCKING.
59. EXISTING CONCRETE TEE ROOF STRUCTURE.
60. PROVIDE DOUBLE SLIP TRACK TO ALLOW FOR DEFLECTION.
61. 6" x 18 GA MTL. STUDS @ 16" O.C.
62. REMOVE EXISTING WINDOWS.
63. 20 GA. METAL STUDS AT 16" O.C. DO NOT BLOCK HOLE AT REAR OF CAGES.
64. 2-1/2" METAL STUDS @ 16" O.C.
65. NOT USED.
66. 1/2" EXPANSION JOINT MATERIAL. HOLD DOWN 1/2" AND SEAL JOINT WITH SEALANT.
67. NOT USED.
68. METAL STUD HEADER.
69. SILL. PLASTIC LAMINATE ON 3/4" MATERIAL.
70. GALV. ROOF EDGE FLASHING OVER 2X WOOD NAILERS.
71. NOT USED.
72. TUBE STEEL FRAMING. SEE STRUCTURAL.
73. CONT. 18 GA. BENT PLATE.
74. PERIMETER INSULATION. EXTEND TO WIDTH OF EXTERIOR SLAB.



G SECTION
SCALE: 3/4" = 1'-0"



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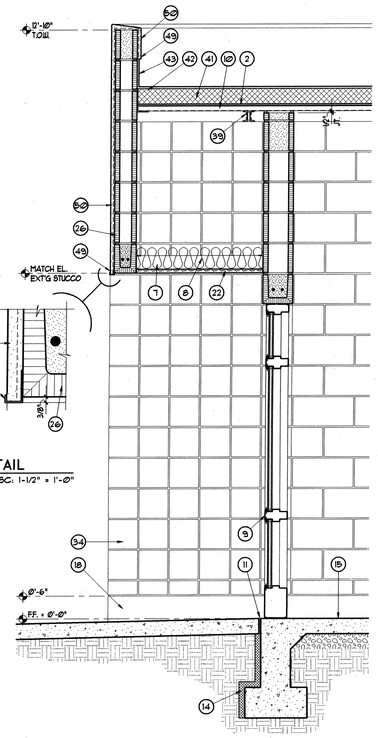
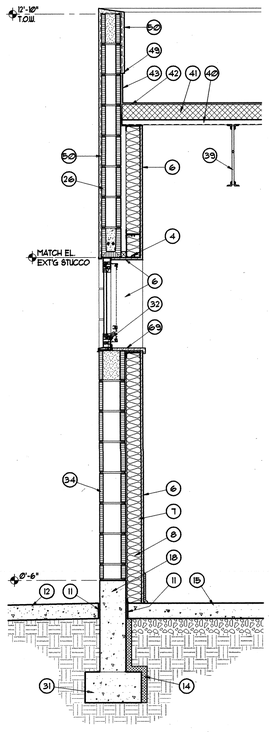


DETAIL
SC: 1-1/2" = 1'-0"

E SECTION
SCALE: 3/4" = 1'-0"



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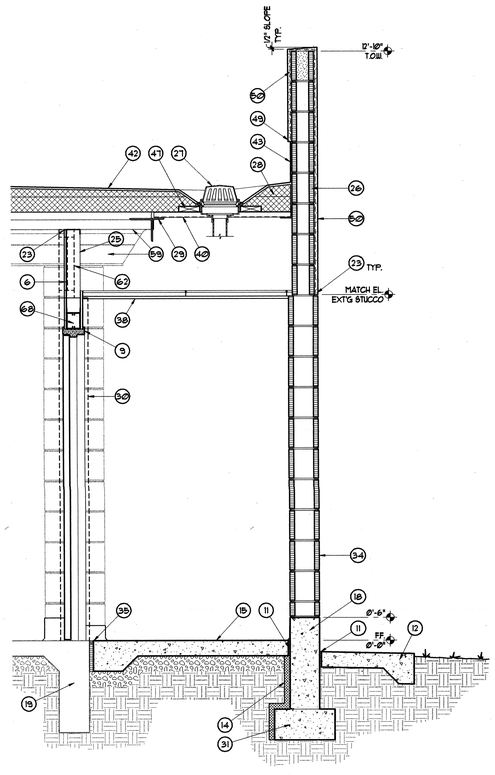
SCALE: 3/4" = 1'-0"



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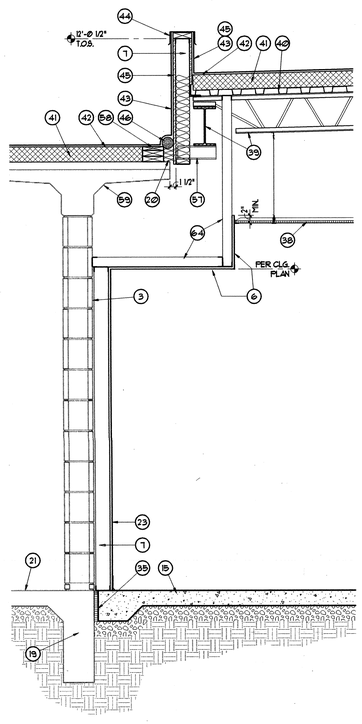

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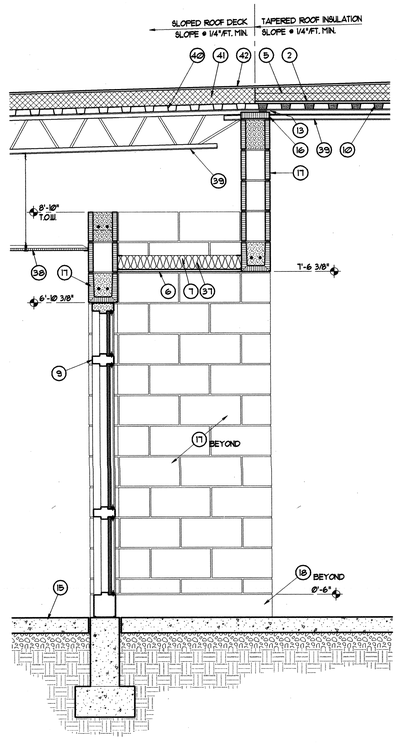

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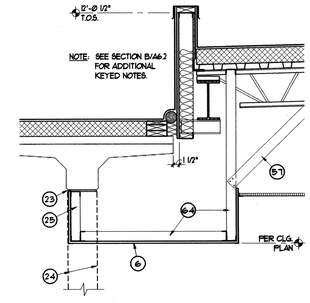

K SECTION
SCALE: 3/4" = 1'-0"

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12-22-97

revisions:

proj. no: 9509
acad file: 9509A62
date: 12/16/97

RECORD DRAWINGS APRIL 2000

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title:
SECTIONS

A6.2

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee — City Engineer Approval — Last Design Update — No./Day/Yr. — No./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 19 Of 33

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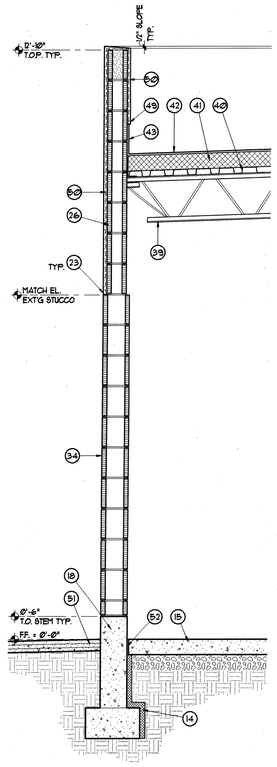

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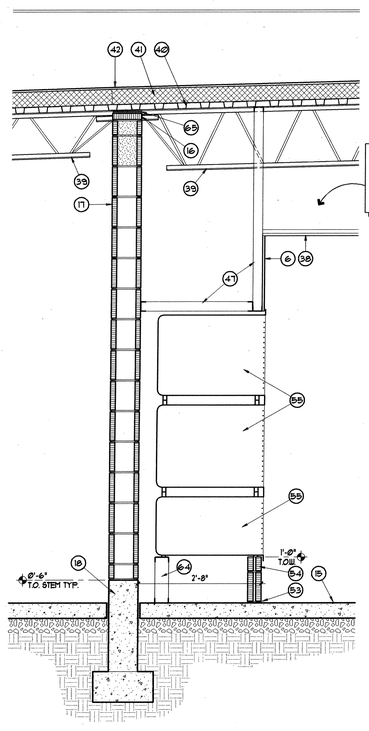

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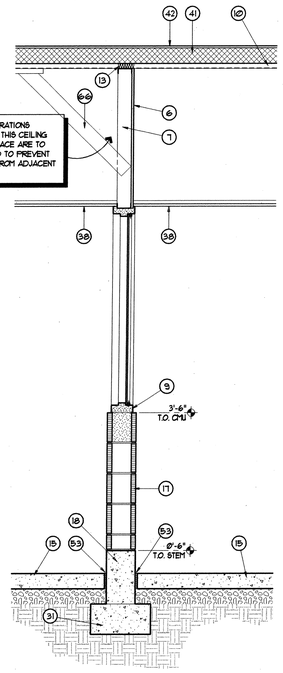

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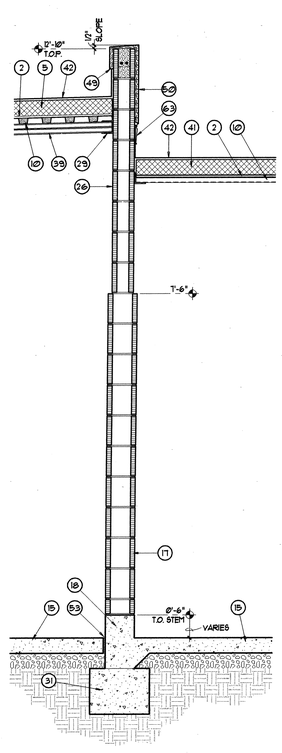

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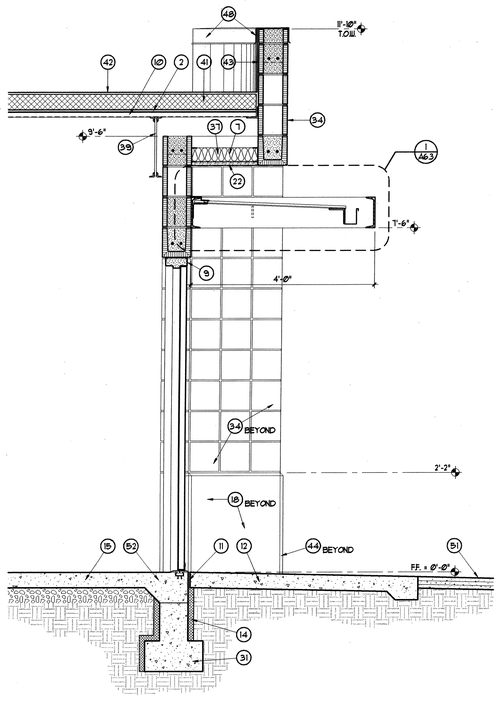

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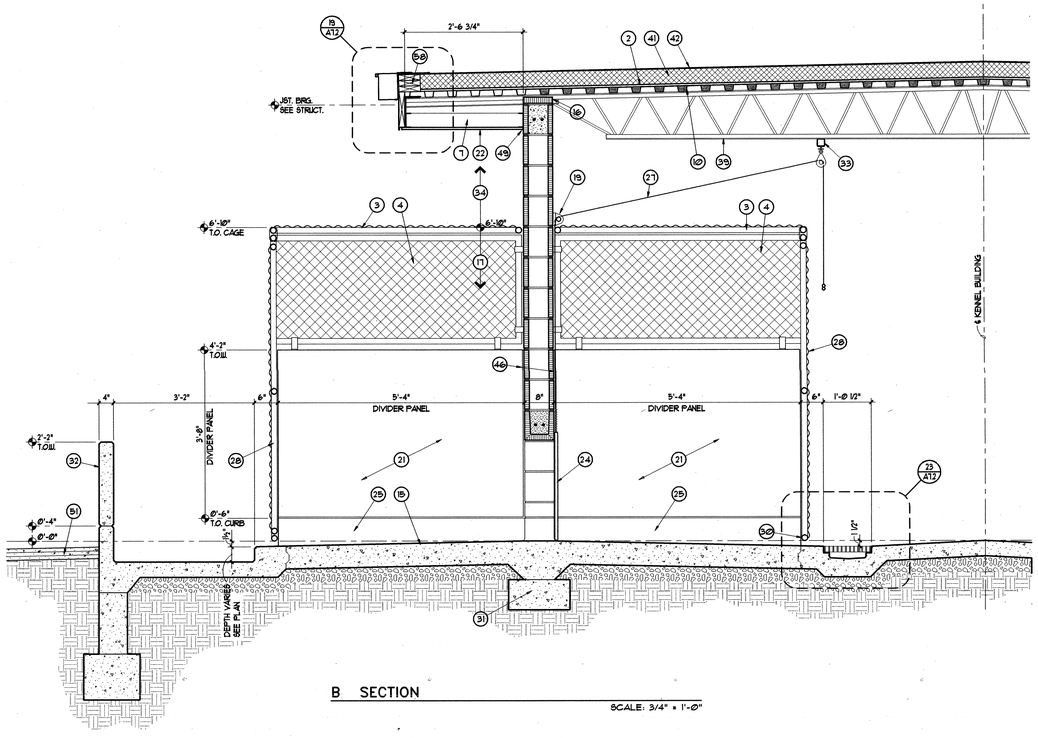

B SECTION
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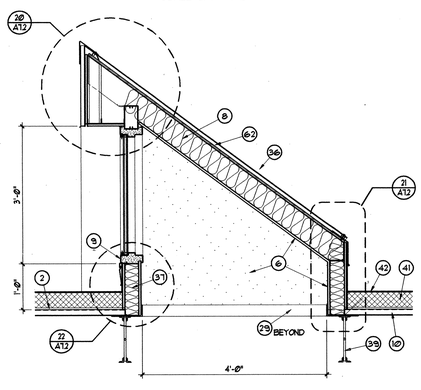
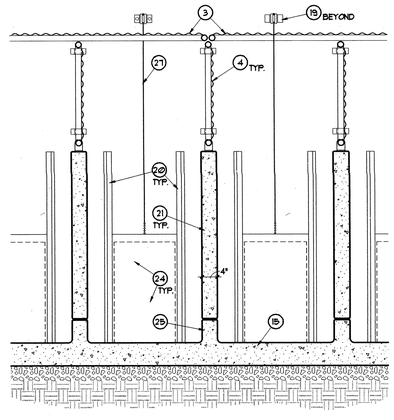
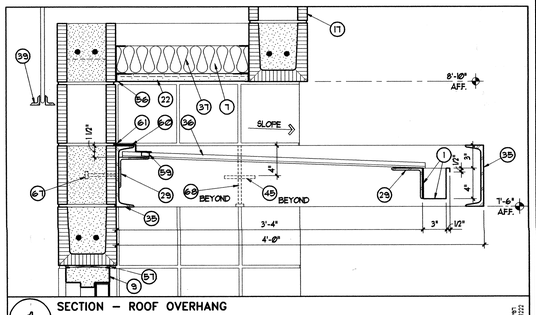




A SECTION
SCALE: 3/4" = 1'-0"



1 SECTION – ROOF OVERHANG
SCALE: 1 1/2" = 1'-0"

KEYED NOTES

1. PRE-FINISHED SHEET METAL GUTTER W/ SUPPORT STRAPS @ 3'-0" O.C.
2. 1/2" GYP. BOARD UNDERLAYMENT.
3. MODULAR KENNEL SYSTEM TOP PANEL.
4. MODULAR KENNEL SYSTEM DIVIDER PANELS.
5. TAPERED RIGID INSULATION BOARD OVER FLAT ROOF STRUCTURE PER ROOF PLAN.
6. 5/8" GYPSUM BOARD.
7. 3-5/8" METAL STUDS @ 16" O.C.
8. R-19 BATT INSULATION.
9. HOLLOW METAL FRAME.
10. PERFORATED ACOUSTICAL METAL DECKING WITH FIBROUS INSERTS AT FLUTES.
11. 1/2" EXPANSION JOINT MATERIAL FULL DEPTH OF CONCRETE.
12. NEW PORTLAND CEMENT CONCRETE PAVING.
13. SEAL VOIDS BETWEEN TOP OF WALL AND METAL DECK.
14. PERIMETER INSULATION.
15. NEW CONCRETE FLOOR SLAB.
16. 2" TK. CMU SOLID.
17. 8" CMU IN RUNNING BOND WITH CONCAVE JOINTS. FILL UNGROUTED CELLS WITH FOAMED-IN-PLACE INSULATION WHERE EXPOSED TO EXTERIOR.
18. CONCRETE STEM WALL.
19. WALL MOUNTED PULLEY.
20. SLIDING DOOR GUIDE CHANNELS ATTACHED TO WALL WITH DRIVE PIN RIVETS IN PRE-DRILLED HOLES.
21. PRECAST CONCRETE DIVIDER PANELS. DO NOT PAINT.
22. STUCCO SOFFIT SYSTEM ON METAL RIB LATH.
23. TERMINATE WITH METAL TRIM AND CAULK.
24. VERTICAL SLIDING DOOR BY MODULAR KENNEL SYSTEM MANUFACTURER. COPE TO FLOOR AT BOTTOM EDGE.
25. CAST IN PLACE CONCRETE CURB WITH COVE AT JUNCTION WITH FLOOR SLAB.
26. 6" PLAIN-FACE CMU. FILL UNGROUTED CELLS WITH FOAMED-IN-PLACE INSULATION WHERE EXPOSED TO EXTERIOR.
27. PLASTIC COATED LIFT CABLE. TERMINATE WITH S-HOOK.
28. MODULAR KENNEL SYSTEM GATE.
29. 4" x 4" x 1/4" DECK SUPPORT ANGLE.
30. DELETE BOTTOM RAIL OF GATE FRAME AT INTERIOR ONLY.
31. CONCRETE FOUNDATION, SEE STRUCTURAL.
32. CAST IN PLACE CONCRETE SPLASH WALL W/ CHAMFER @ ALL CORNERS.
33. CONTINUOUS UNISTRUT RAIL ON BOTTOM CHORD W/CONNECTORS FOR EACH PULLEY.
34. 8" CMU W/ SCORED FACE TO MATCH EXISTING. FILL UNGROUTED CELLS WITH FOAMED-IN-PLACE INSULATION WHERE EXPOSED TO EXTERIOR.
35. C8 x 11.5 STEEL CHANNEL. MITRE CORNERS. PAINT.
36. PRE-FINISHED METAL ROOF/WALL PANELS.
37. R-11 BATT INSULATION.
38. SUSPENDED CEILING PER FINISH SCHEDULE.
39. SEE STRUCTURAL.
40. ROOF DECK.
41. RIGID INSULATION.
42. ROOFING SYSTEM MEMBRANE.
43. VERTICAL MEMBRANE FLASHING. TERMINATE PER MANUF. STANDARD DETAILS.
44. CHAMFER ALL EXPOSED EDGES.
45. 4"W x 9"L x 3/8" TK. STEEL BAR SUPPORT WELDED TO CHANNEL AND BASE PLATE BOTH SIDES. LOCATE @ CMU JOINT.
46. APPLY SEALANT @ JOINT WHERE WALL PANELS MEET CMU WALL.
47. 2-1/2" METAL STUDS @ 16" O.C.
48. RADIUSED CAP FLASHING FROM PRE-FINISHED SHEETMETAL.
49. TERMINATE STUCCO SYSTEM W/ METAL TRIM STOP.
50. 1" STUCCO SYSTEM ON METAL LATH ON #15 BUILDING PAPER OVER CMU.
51. ASPHALTIC CONCRETE PAVING.
52. 1/2" EXPANSION JOINT MATERIAL. HOLD DOWN 1/2" AND SEAL JOINT WITH SEALANT.
53. CONTINUOUS SEALANT @ WALL/ FLOOR JOINT.
54. 4" CMU. SLUSH GROUT SOLID W/ MORTAR.
55. STAINLESS STEEL CAGE.
56. STUCCO STOP.
57. SEALANT AT EXTERIOR, GROUT AT INTERIOR.
58. CONTINUOUS 5-1/2"W BUILT-UP WOOD BLOCKING.
59. WEATHER TIGHT CLOSURE STRIP.
60. PREFINISHED SHEET METAL FLASHING.
61. RAKE JOINT 1/2" DEEP. SET FLASHING IN JOINT AND FILL WITH SEALANT.
62. PLYWOOD ROOF DECKING.
63. METAL FLASHING & REGLET: FRY SPRINGLOK TYPE "ST-X" OR EQUAL. PAINT.
64. 3-5/8" x 18 GA. METAL STUDS @ 16" O.C.
65. SEAL VOIDS WITH FIRE STOPPING.
66. 3-5/8" DIAGONAL STUD BRACING @ 32" O.C.
67. 3 EA. 1/2" DIA. x 4"L WELDED ANCHOR STUDS @ 24" O.C. IN GROUTED CELLS.
68. 4" x 4" x 1/2" TK. STEEL BEARING PLAT W/ 1/2" DIA. x 4"L H.A.S. IN GROUTED CELL.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED — DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 20 Of 33

RECORD DRAWINGS APRIL 2000

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EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title:
SECTIONS AND DETAILS

A6.3

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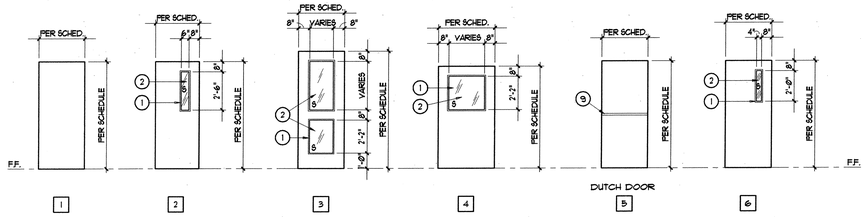
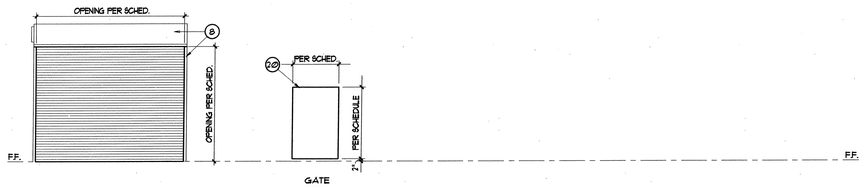


DOOR TYPES

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



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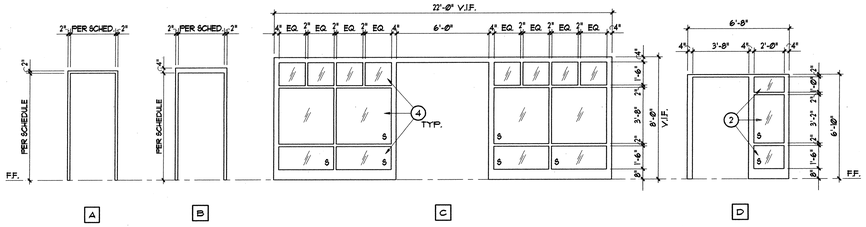

FRAME TYPES

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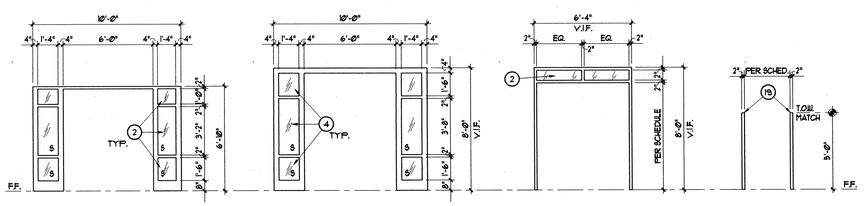

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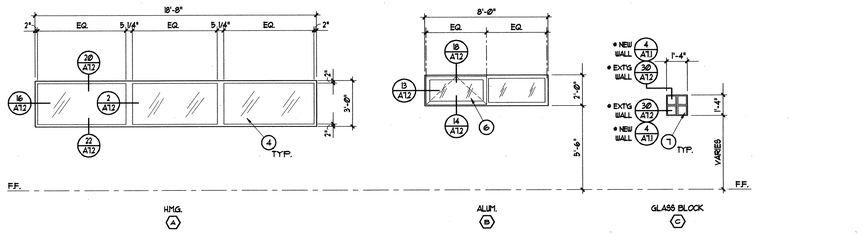

WINDOW TYPES

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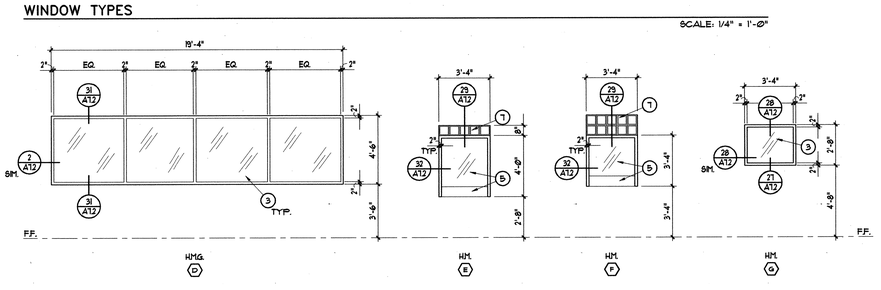


WINDOW TYPES

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

DOOR SCHEDULE

ACAD FILE: GTHDRSCA

	DOOR NO.	DOOR SIZE W	SIZE H	SIZE T	MAT'L	TYPE	GLASS	U.L. LABEL	FRAME MAT'L	FRAME TYPE	DETAILS HEAD	DETAILS JAMB	DETAILS THRESHOLD/SILL	HDW. SET NO.	ROOM SIGN TEXT	REMARKS
EXISTING	101A	PR 3'-0"	7'-8"	1-3/4"	HMI	3	IG	–	HMG	F	1		3	3		
	101B	PR 3'-0"	7'-8"	1-3/4"	HMI	3	IG	–	HMG	C	4	5	3	3		
	102A	–	–	–	–	–	–	–	–	–	–	–	–	16		EXISTING TO REMAIN, REPLACE LOCKSET
	103A	3'-0"	7'-0"	1-3/4"	SCWD	5	–	–	HM	B	6	7	–	2		
	122A	PR 3'-0"	7'-0"	1-3/4"	HMI	4	IG	–	–	–	REUSE	EXISTING	FRAME	10		REPLACE DOOR LEAFS
	122B	PR 3'-0"	7'-0"	1-3/4"	HMI	4	IG	–	–	–	REUSE	EXISTING	FRAME	10		REPLACE DOOR LEAFS
	122C	PR 3'-0"	7'-0"	1-3/4"	HMI	2	WG	45 MIN	HMG	G	9 SIM.	2 SIM.	–	6		
	123	–	–	–	–	–	–	–	–	–	–	–	–	–	RESTROOM (MALE/FEMALE)	EXISTING DOOR & FRAME TO BE RELOCATED BASE BID
NEW CONSTRUCTION	201A	3'-8"	6'-8"	1-3/4"	HMI	4	IG	–	HMG	A	9	2	3	11	KENNEL NO. 1	
	201B	3'-8"	6'-8"	1-3/4"	HMG	2	SG	–	HMG	A	9	2	–	8	KENNEL NO. 1	
	202A	3'-8"	6'-8"	1-3/4"	HMI	2	IG	–	HMG	D	9	10	3	11		
	202B	PR 3'-0"	6'-8"	1-3/4"	HMI	3	IG	–	HMG	E	9	2 SIM.	3	10		
	202C	3'-8"	6'-8"	1-3/4"	HMI	2	SG	–	HMG	A	9	2	–	8	KENNEL NO. 2	
	202D	3'-8"	6'-8"	1-3/4"	HMI	2	IG	–	HMG	D	9	10	3	11		
	203A	3'-8"	6'-8"	1-3/4"	HMG	1	–	–	HMG	A	9	2	–	8		
	204A	3'-0"	6'-8"	1-3/4"	HMG	1	–	–	HMG	A	11	10 SIM.	–	1		
	205A	3'-0"	6'-8"	1-3/4"	HMG	1	–	–	HMG	A	9 SIM.	2 SIM.	–	5		
	205B	3'-8"	6'-8"	1-3/4"	HMG	1	–	–	HMG	A	9 SIM.	2 SIM.	–	5		
	206A	4'-0"	6'-8"	1-3/4"	HMG	1	–	–	HMG	A	9	2	–	7	EMPLOYEES ONLY	
	206B	4'-0"	6'-8"	1-3/4"	HMG	1	–	–	HMG	A	9	2	–	7		
	207A	3'-8"	6'-8"	1-3/4"	HMG	1	–	–	HMG	A	9	2	–	8		
	208A	3'-8"	6'-8"	1-3/4"	HMG	2	SG	–	HMG	A	9	2	–	5	CAT ISOLATION	
	209A	3'-8"	6'-8"	1-3/4"	HMG	2	SG	–	HMG	D	9	15	–	8	CATS	
	209B	3'-0"	6'-8"	1-3/4"	HMG	2	SG	–	HMG	A	9	2	–	8	EMPLOYEES ONLY	
	211A	3'-8"	6'-8"	1-3/4"	HMG	1	–	–	HMG	A	9	2	–	8	EMPLOYEES ONLY	
	212A	3'-8"	6'-8"	1-3/4"	HMI	6	WG	60 MIN	HMG	A	9	2	3	13		
	212B	3'-8"	6'-8"	1-3/4"	HMI	1	–	–	HMG	A	9	2	3	9		
	212C	10'-0"	7'-6"	–	STEEL	7	–	–	–	–	3/A7.1	17	–	14		COILING DOOR
	213A	3'-8"	6'-8"	1-3/4"	HMI	1	–	–	HMG	A	9	2	3	15		
	214A	3'-0"	6'-8"	1-3/4"	HMI	A	–	–	HMG	1	11	12	3	1		
	301A	3'-8"	7'-0"	1-3/4"	HMI	4	IG	–	HMG	A	9	2	3	11	KENNEL NO. 2	
	401	3'-0"	4'-10"	1-3/4"	HMI	8	–	–	HMG	H	–	2	–	17		GATE LOCATED @ PLANTER ISLAND
	402	3'-0"	4'-10"	1-3/4"	HMI	8	–	–	HMG	H	–	2	–	17		GATE LOCATED @ PLANTER ISLAND

DOOR NOTES

1. ALL HOLLOW METAL FRAMES TO BE 5-3/4" WIDE UNLESS OTHERWISE INDICATED. SEE DOOR DETAILS.
2. SINGLE DIGIT DETAIL REFERENCES REFER TO DOOR DETAILS WHICH APPEAR ON SHEET A7.2. OTHER DETAIL REFERENCES AS INDICATED.
3. HMI = HOLLOW METAL INSULATED AND GALVANIZED.
   SCWD = SOLID CORE WOOD.
   HM = HOLLOW METAL.
   HMG = HOLLOW METAL GALVANIZED.
4. ALL HM. FRAMES ARE TO BE GROUTED UNLESS INDICATED OTHERWISE.

GLASS TYPES

SG = SINGLE GLAZED
WG = 1/4" WIRE GLASS
IG = 1" INSULATED GLAZING UNITS
S = SAFETY GLASS

ROOM SIGN NOTES

A. SIGN LOCATIONS TO BE FIELD DETERMINED BY ARCHITECT.

B. ROOM SIGN SPECIFICATION:

MANUFACTURER: PROVIDE PRODUCTS OF BEST MANUFACTURING SIGN SYSTEMS, MONTROSE, COLORADO 1-800-235-2378 OR EQUAL

PROCESS:	GRAPHIC BLAST
MATERIAL:	MP PLASTIC
MATERIAL THICKNESS:	1/8"
MATERIAL FINISH:	SUEDE
EDGE TREATMENT:	BEVEL
CORNER TREATMENT:	1/2" RADIUS
ATTACHMENT:	SILICONE ADHESIVE
COPY:	ONE SIDE
LETTER SIZE:	5/8"
LETTER STYLE:	STANDARD BOLD CONDENSED
RAISE OF LETTER/BRAILLE:	1/32"
COLORS:	MANUFACTURER'S STANDARD
BORDERS:	NONE
BRAILLE:	GRADE 2

SIGNAGE SHALL COMPLY WITH:
U.F.A.S. SEC. 4.30
ADA SEC. 4.30
ANSI. A117.1 SEC. 4.28

GENERAL NOTES

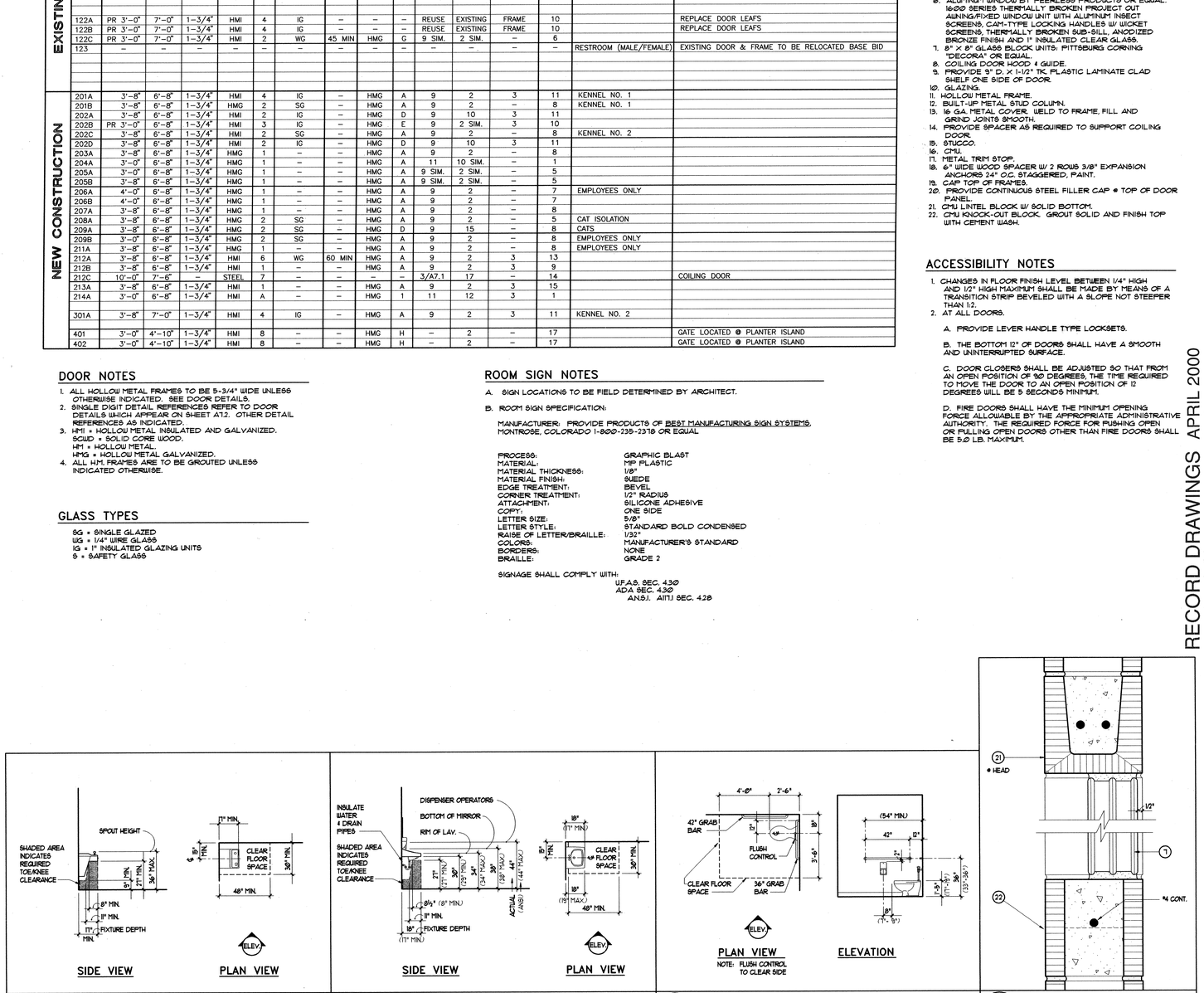
A. FIELD VERIFY ALL DIMENSIONS PRIOR TO COMMENCING WORK. NOTIFY ARCHITECT IN THE EVENT ANY DISCREPANCIES ARE DISCOVERED.
B. PROVIDE SAFETY GLASS AS INDICATED AND AS REQUIRED BY UBC, CHAPTER 54.

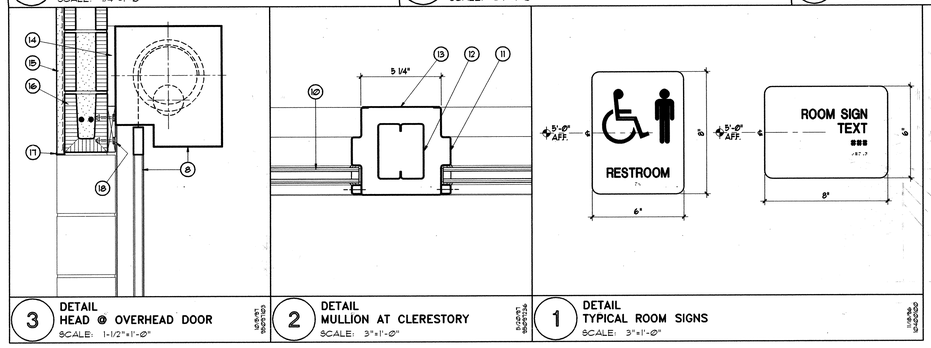
KEYED NOTES

1. FIELD PAINT METAL FRAME AT OPENING.
2. GLAZING VARIES. REFER TO DOOR SCHEDULE FOR TYPE.
3. SINGLE GLAZE W/ 5/16" LAMINATED SAFETY GLASS.
4. 1" CLEAR INSULATED GLASS UNITS.
5. SINGLE GLAZE W/ 3/8" LAMINATED SAFETY GLASS. PROVIDE BRIGHT POLISHED EASED EDGE WHERE EDGE EXPOSED.
6. ALUMINUM WINDOW BY PEERLESS PRODUCTS OR EQUAL. 1600 SERIES THERMALLY BROKEN PROJECT OUT AWNING/FIXED WINDOW UNIT WITH ALUMINUM INSECT SCREENS, CAM-TYPE LOCKING HANDLES W/ WICKET SCREENS, THERMALLY BROKEN SUB-SILL, ANODIZED BRONZE FINISH AND 1" INSULATED CLEAR GLASS.
7. 8" X 8" GLASS BLOCK UNITS: PITTSBURG CORNING "DECORA" OR EQUAL.
8. COILING DOOR HOOD & GUIDE.
9. PROVIDE 9" D. X 1-1/2" TK. PLASTIC LAMINATE CLAD SHELF ONE SIDE OF DOOR.
10. GLAZING.
11. HOLLOW METAL FRAME.
12. BUILT-UP METAL STUD COLUMN.
13. 16 GA. METAL COVER. WELD TO FRAME, FILL AND GRIND JOINTS SMOOTH.
14. PROVIDE SPACER AS REQUIRED TO SUPPORT COILING DOOR.
15. STUCCO.
16. CMU.
17. METAL TRIM STOP.
18. 6" WIDE WOOD SPACER W/ 2 ROWS 3/8" EXPANSION ANCHORS 24" O.C. STAGGERED, PAINT.
19. CAP TOP OF FRAMES.
20. PROVIDE CONTINUOUS STEEL FILLER CAP @ TOP OF DOOR PANEL.
21. CMU LINTEL BLOCK W/ SOLID BOTTOM.
22. CMU KNOCK-OUT BLOCK. GROUT SOLID AND FINISH TOP WITH CEMENT WASH.

ACCESSIBILITY NOTES

1. CHANGES IN FLOOR FINISH LEVEL BETWEEN 1/4" HIGH AND 1/2" HIGH MAXIMUM SHALL BE MADE BY MEANS OF A TRANSITION STRIP BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.
2. AT ALL DOORS,
   A. PROVIDE LEVER HANDLE TYPE LOCKSETS.
   B. THE BOTTOM 12" OF DOORS SHALL HAVE A SMOOTH AND UNINTERRUPTED SURFACE.
   C. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
   D. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE 5.0 LB. MAXIMUM.





RECORD DRAWINGS APRIL 2000

GREGORY T. HICKS 1230 REGISTERED ARCHITECT STATE OF NEW MEXICO
12/22/97

GREGORY T. hicks & ASSOC., P.C.
ARCHITECTS • PLANNERS
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SINCE 1980
• designing today designing TOMORROW •

revisions:

proj. no.: 9509
acad file: 9509A71
date: 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title:
DOOR TYPES, FRAME TYPES & DOOR SCHEDULE

A7.1

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update: Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5219.90	K-20	21	33

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KEYED NOTES

1. GROUT CELLS AT JAMBS WHERE ANCHORS OCCUR.
2. PRE-FINISHED METAL GUTTER WITH 1" W. PRE-FINISHED METAL GUTTER SUPPORT STRAPS @ 3'-0" O.C. MAX.
3. STEEL ANGLE. SEE STRUCTURAL.
4. ACOUSTICAL WALL PANEL.
5. HOLLOW METAL FRAME. GROUT SOLID.
6. SEALANT AT EXTERIOR. CAULK AT INTERIOR.
7. WOOD BLOCKING.
8. DOOR LEAF.
9. STUCCO SYSTEM.
10. STUCCO STOP.
11. OVERHEAD DOOR GUIDE.
12. EXIST. CMU.
13. METAL STUDS. COORDINATE WITH STRUCTURAL.
14. CMU. SEE ELEVATIONS AND SECTIONS FOR SIZE AND FACE TYPE. COORDINATE REINFORCING AND BOND BEAM LOCATIONS WITH STRUCTURAL.
15. SELF-DRILLING SCREW W/ WASHER.
16. 2-1/2" x 20 GA. METAL STUDS AT 16" O.C. WELD TO STEEL CHANNEL AND ATTACH TO WALL WITH EXPOSED ANCHORS AT 24" O.C.
17. ALUMINUM MOLDING. FRY REGLET NO. FRM-75-75 OR EQUAL.
18. PRE-FINISHED METAL FASCIA. WRAP BOTTOM EDGE AROUND MOLDING.
19. 2x NAILER WITH IRON NO. 10 x 2-1/2" S.T. SCREWS. 2 ROWS, STAGGERED @ 16" O.C.
20. 2" WIDE PRE-FINISHED METAL ANGLE CLIPS AT 4'-0" O.C.
21. MEMBRANE FLASHING.
22. 2x TREATED NAILER WITH 2 ROWS NO. 10 x 2-1/2" S.T. C.S. SCREWS STAGGERED AT 16" O.C.
23. NEW ROOF MEMBRANE.
24. RIGID ROOF INSULATION.
25. 5/8" GYPSUM BOARD OVER ACOUSTICAL METAL DECK.
26. JOIST EXTENSION. SEE STRUCTURAL.
27. SEE STRUCTURAL.
28. GLAZING.
29. R-19 BATT INSULATION.
30. 1/2" PLYWOOD.
31. PRE-FINISHED METAL FLASHING.
32. 1/2" GYPSUM BOARD.
33. PRE-FINISHED METAL BUILDING PANEL ON 15 LB. FELT UNDERLAYMENT.
34. WEATHER-TIGHT CLOSURE STRIP.
35. 6" LITE GAUGE FRAMING. SEE STRUCTURAL.
36. PLYWOOD DECKING.
37. R-11 BATT INSULATION.
38. 5/8" GYPSUM BOARD.
39. 1/2" CEMENTITIOUS TILE BACKER BOARD.
40. GUTTER DRAIN WITH GASKET AND SEALANT. SEE PLUMBING. PAINT.
41. DRAIN PIPE WITH SEALANT AT PENETRATION THRU WALL. SEE PLUMBING. PAINT.
42. THERMAL BREAK ALUMINUM SILL. BY WINDOW MANUFACTURER.
43. TUBSTEEL STEEL CROSS BARS WELDED TO BEARING BARS.
44. 1-1/2" x 1/8" WELDED STEEL BEARING BARS AT 1-1/2" O.C.
45. WELDED STEEL GRATE W/ 1-1/2" x 1/8" PERIMETER BAR, 4'-0" LONG SECTIONS.
46. 1-1/2" x 1-1/2" x 1/8" STEEL BEARING ANGLES W/ 3/8" x 2-1/2" HAS AT 2'-0" O.C.
47. SUSPENDED CEILING AS SCHEDULED.
48. METAL STUD BACKING AS REQUIRED FOR METAL PANEL ATTACHMENT.
49. TERMINATE PER ROOF SYSTEM MANUFACTURER'S DETAILS.
50. DOOR BOTTOM.
51. TRAFFIC RATED SEALANT.
52. 1/2" EXPANSION JOINT MATERIAL.
53. CONCRETE WALK.
54. PERIMETER INSULATION.
55. THRESHOLD WITH THRESHOLD ANCHOR.
56. FLOOR FINISH AS SCHEDULED.
57. EXISTING CONSTRUCTION TO REMAIN.
58. EXITING METAL PANEL AND DRIP EDGE TO REMAIN.
59. METAL DRYWALL TRIM.
60. ALUMINUM WINDOW UNIT.
61. ESCUTCHEON. PAINT.
62. CONCRETE FLOOR SLAB.
63. 24 GA. MIN. PRE-FINISHED SHEET METAL ADHERED TO SUBSTRATE WITH MASTIC.
64. 2-1/2" METAL STUDS AT 16" O.C.
65. SILL - PLASTIC LAMINATE ON 3/4" SUBSTRATE.
66. GLASS BLOCK.
67. 7/8" METAL FURRING CHANNELS.
68. COUNTERTOP BELOW.
69. REMOVABLE ACCESS COVER.
70. ACCESS COVER FRAME.
71. EXISTING SOLIDS INTERCEPTOR.
72. GROUT SOLID W/ PORTLAND CEMENT MORTAR.
73. 3 1/2" x 3 1/2" x 3/8" STEEL ANGLE W/ 8" MIN. BEARING @ ENDS.

32 DETAIL – JAMB — SCALE: 3"=1'-0" — 5/20/97 9509139
31 DETAIL – SILL/HEAD (JAMB SIM. TO SILL) — SCALE: 3"=1'-0" — 5/20/97 9509139
30 DETAIL – HEAD/SILL (JAMB SIM. TO SILL) — SCALE: 3"=1'-0" — 5/20/97 9509139
29 DETAIL – HEAD — SCALE: 3"=1'-0" — 5/20/97 9509139
28 DETAIL – HEAD JAMB SIMILAR — SCALE: 3"=1'-0" — 5/20/97 9509139

27 DETAIL – SILL — SCALE: 3"=1'-0" — 5/20/97 9509139
26 SECTION – CLERESTORY END WALL — SCALE: 1 1/2"=1'-0" — 5/20/97 9509139
25 SECTION – FLOOR ACCESS COVER — SCALE: 1 1/2"=1'-0" — 5/20/97 9509139
24 DETAIL GUTTER DRAIN — SCALE: 1 1/2"=1'-0" — 5/20/97 9509139
23 SECTION – KENNEL TRENCH DRAIN — SCALE: 1 1/2"=1'-0" — 5/20/97 9509139
22 SECTION CLERESTORY SILL — SCALE: 1 1/2"=1'-0" — 5/20/97 9509139

21 SECTION CLERESTORY BASE — SCALE: 1 1/2"=1'-0" — 5/20/97 9509139
20 SECTION HEAD @ CLERESTORY — SCALE: 1 1/2"=1'-0" — 5/20/97 9509139
19 SECTION – KENNEL ROOF OVERHANG — SCALE: 1 1/2"=1'-0" — 5/20/97 9509139
18 DETAIL – HEAD — SCALE: 3"=1'-0" — 5/20/97 9509139
17 DETAIL JAMB @ OVERHEAD DOOR — SCALE: 3"=1'-0" — 5/20/97 9509139
16 DETAIL JAMB AT CLERESTORY — SCALE: 3"=1'-0" — 3/6/98 9509139
15 DETAIL – JAMB — SCALE: 3"=1'-0" — 5/20/97 9509139

14 DETAIL – SILL — SCALE: 3"=1'-0" — 5/20/97 9509134
13 DETAIL – JAMB — SCALE: 3"=1'-0" — 5/20/97 9509132
12 DETAIL – JAMB — SCALE: 3"=1'-0" — 5/20/97 9509132
11 DETAIL – HEAD — SCALE: 3"=1'-0" — 5/20/97 9509132
10 DETAIL – JAMB — SCALE: 3"=1'-0" — 5/20/97 9509132
9 DETAIL – HEAD — SCALE: 3"=1'-0" — 3/6/98 9509139
8 DETAIL – JAMB — SCALE: 3"=1'-0" — 5/20/97 9509139

7 DETAIL – JAMB — SCALE: 3"=1'-0" — 5/20/97 9509131
6 DETAIL – HEAD — SCALE: 3"=1'-0" — 5/20/97 9509134
5 DETAIL – JAMB — SCALE: 3"=1'-0" — 5/20/97 9509134
4 DETAIL – HEAD — SCALE: 3"=1'-0" — 5/20/97 9509134
3 DETAIL – THRESHOLD — SCALE: 3"=1'-0" — 5/20/97 9509131
2 DETAIL – JAMB — SCALE: 3"=1'-0" — 5/20/97 9509131
1 DETAIL – JAMB — SCALE: 3"=1'-0" — 5/20/97 9509130

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

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

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 22 Of 33

STATE OF NEW MEXICO · GREGORY TYLER HICKS · 12310 · REGISTERED ARCHITECT
11/18/97

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SINCE 1980
• designing today designing tomorrow •

revisions:

proj. no: 9509
acad file: 9509A72
date: 11/18/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title: DETAILS

A7.2

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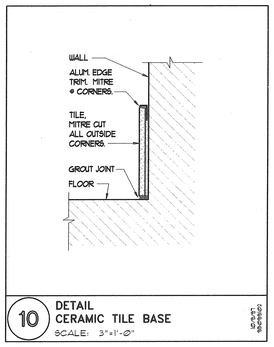
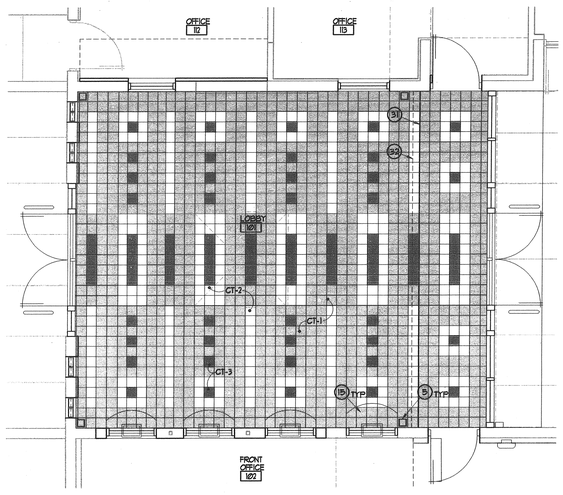


10 DETAIL
CERAMIC TILE BASE
SCALE: 3"=1'-0"

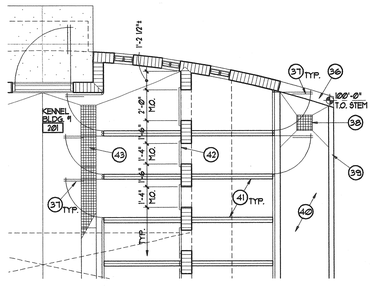
ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR							BASE					WALLS																										CEILING							REMARKS
														NORTH							SOUTH							EAST							WEST													
		QUARRY TILE	VCT	CARPET	EXPOSED CONCRETE– W/ SEALER	SHEET VINYL	EXPOSED CONCRETE– BROOM FINISH	EXISTING TO REMAIN	QUARRY TILE – SEE 10/A9.1	VINYL COVE	SHEET VINYL FLASH COVE 12" HIGH	SEALANT @ FLOOR/WALL JOINT ONLY	EXISTING TO REMAIN	GYPSUM BD. – PAINTED	PATCH & PAINT EXISTING	GYPSUM BD. – EPOXY PAINT	CMU – EXPOSED, NO PAINT	CMU – EPOXY PAINT	CMU – ENAMEL PAINT	ACOUSTICAL WALL PANELS	EXISTING TO REMAIN	GYPSUM BD. – PAINTED	PATCH & PAINT EXISTING	GYPSUM BD. – EPOXY PAINT	CMU – EXPOSED, NO PAINT	CMU – EPOXY PAINT	CMU – ENAMEL PAINT	ACOUSTICAL WALL PANELS	EXISTING TO REMAIN	GYPSUM BD. – PAINTED	PATCH & PAINT EXISTING	GYPSUM BD. – EPOXY PAINT	CMU – EXPOSED, NO PAINT	CMU – EPOXY PAINT	CMU – ENAMEL PAINT	ACOUSTICAL WALL PANELS	EXISTING TO REMAIN	GYPSUM BD. – PAINTED	PATCH & PAINT EXISTING	GYPSUM BD. – EPOXY PAINT	CMU – EXPOSED, NO PAINT	CMU – EPOXY PAINT	CMU – ENAMEL PAINT	ACOUSTICAL WALL PANELS	EXISTING TO REMAIN	EXISTING TO REMAIN	PATCH & PAINT EXISTING	GYPSUM BD. – PAINTED	GYPSUM BD. – EPOXY PAINT	EXPOSED STRUCT. – UNPAINTED	EXPOSED STRUCT. – ENAMEL PAINT	SUSPENDED ACOUSTICAL LAY–IN	SUSPENDED SCRUBBABLE LAY–IN	
		1	2	3	4	5	6	7	1	2	3	4	5	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	
101	LOBBY	1							1						2					7			2					7			2					7			2							SEE FINISH NOTE NO. 1
102	FRONT OFFICE						7*			2*			5		2			6					2								2								1	2*						• @ GYP. BD. SOFFIT ONLY
103	OFFICE ALCOVE						7*			2*			5		2								2								2								1							• PATCH CARPET WHERE WALL WAS REMOVED, NEW BASE NORTH WALL ONLY
104	OFFICE		NO WORK																																										• PATCH CARPET WHERE WALL WAS REMOVED, NEW BASE NORTH WALL ONLY
105	CLOSET		NO WORK																																										
106	RECORDS						7						5*						8								8				2					8			1							• PATCH BASE TO MATCH EXISTING
107	HALL						7						5*						8								8			2					8		8	1							• PATCH BASE TO MATCH EXISTING
108	Not used																																												
109	Not used																																												
110	Not used																																												
111	CLOSET			3						2									8								8								8		8	1							
112	OFFICE			3						2					2						1		2								2								2						7*	• REPLACE CEILING PANELS, REUSE EXISTING SUSP. GRID
113	SECRETARY			3						2					2						2		2								2							1*	2						• PATCH @ FORMER WALL LOCATIONS
114	WAITING		2							2					2						2		2								2							1*	2						• PATCH @ FORMER WALL LOCATIONS
115	Not used																																												
116	BREAK ROOM						7						5*						8								8				2					8			1							• PATCH BASE TO MATCH EXISTING
117	OFFICE						7			2					2								2								2								1							
118	Not used																																													
119	TELEPHONE ROOM		2							2				1							1	2									2								2						7	
120	Not used																																													
121	HALL						7						5		2								2								2								1							
122	EXIST. KENNEL BUILDING NO. 4																																													SEE FINISH NOTE NO. 2
123	H/C TOILET						7*						5		2								2								2								2							• PATCH EXISTING CERAMIC TILE FLOOR
201	KENNEL BLDG. #1					6					4						5				5					5							5							4		6				SEE FINISH NOTE NO. 3
202	HALLWAY					6					4						5				5					5							5									6				SEE FINISH NOTE NO. 3
203	TESTING					6			1*		4						5					3				5							5							4					8	• QUARRY TILE BASE @ GYP. BD. WALLS ONLY
204	CLOSET				5					3							5				2*					2*	3						5							4						• EPOXY PAINT
205	VET/ EXAM				5					3					2*						2*					2*								2*							2*						• EPOXY PAINT, SEE FINISH NOTE NO. 3
206	HALLWAY					6					4						5					5				2*							5	2*						4					8	• EPOXY PAINT, SEE FINISH NOTE NO. 3
207	EUTHANASIA ROOM					6					4						5				2*					2*							5	2*						4					8	• EPOXY PAINT, SEE FINISH NOTE NO. 3
208	ISOLATION					6			1*		4						5					3					3						5							4						• QUARRY TILE BASE @ CYP. BD. WALLS ONLY, SEE FINISH NOTE NO. 3
209	CATTERY					6					4			3			5					3		5			3	5					5							4						SEE FINISH NOTE NO. 3
210	LOADING						7					5					5			8								8						5			8		1							• MATCH EXISTING PAINT COLORS
211	WORK/ UTILITY ROOM					6			1*		4						5				5					3							5									6				• QUARRY TILE BASE @ GYP. BD. WALLS ONLY
212	BULK STORAGE			4						2*	4					4				4				4							1		4								5				• INSTALL AT GYP. BD. WALLS ONLY
213	MECHANICAL ROOM			4							4			1						1											1									5					
214	ELECTRICAL ROOM			4							4			1						1											1									5					
301	KENNEL BLDG. #2					6					4						5				5					5							5							4		6				SEE FINISH NOTE NO. 3

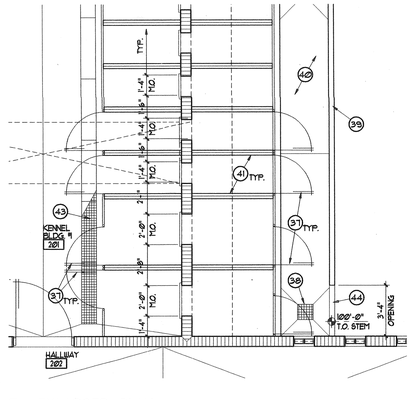


NOTE: TILE COLORS CT-1, CT-2 & CT-3 TO BE SELECTED BY ARCHITECT

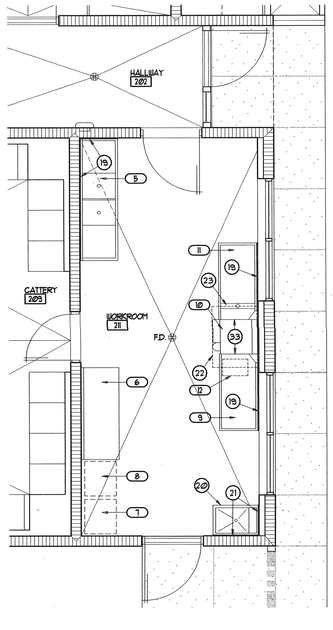
9 ENLARGED PLAN – LOBBY TILE PATTERN
SCALE: 1/4" = 1'-0"



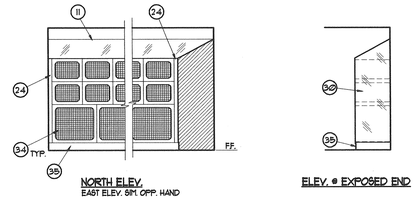
8 ENLARGED PLAN
KENNEL BLDG. #2 SIM.
SCALE: 1/4" = 1'-0"



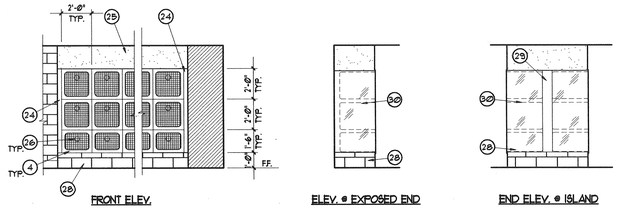
7 ENLARGED PLAN
KENNEL BLDG. #2 SIM.
SCALE: 1/4" = 1'-0"



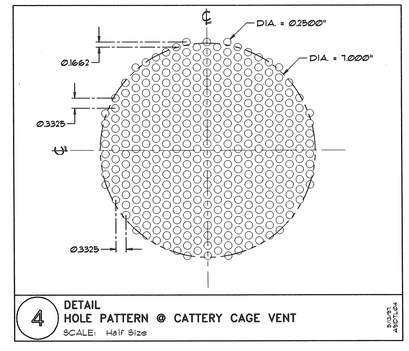
6 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



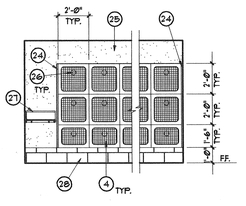
5 RELOCATED CAGE ELEVATIONS @ 207 EUTHANASIA
SCALE: 1/4" = 1'-0"



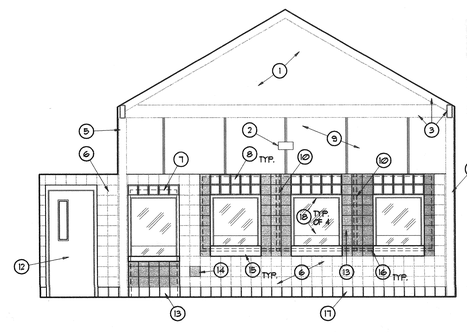
3 TYPICAL CAGE ELEVATIONS @ 209 CATTERY
SCALE: 1/4" = 1'-0"



4 DETAIL
HOLE PATTERN @ CATTERY CAGE VENT
SCALE: Half Size



2 CAGE ELEVATION @ 208 ISOLATION
SCALE: 1/4" = 1'-0"



1 ELEVATION – LOBBY SOUTH WALL
SCALE: 1/4" = 1'-0"

EQUIPMENT SCHEDULE * = SEE FLOOR PLAN SHEET A1.1 FOR LOCATION

#	DESCRIPTION	MANUFACTURER AND MODEL NO.	REMARKS
1*	S/S GROOMING TUB	SHORE–LINE SCHRODER MANUF. CO.: 57"L X 16"D TUB, 24" FRAME	W/ BACKSPLASH @ 3 WALLS, WALL MOUNT FAUCET, SPRAY/HOSE & HOOK
2*	S/S ANIMAL CAGES	SHORE–LINE SCHRODER MANUF. CO.	SEE ELEVATIONS THIS SHEET FOR SIZES AND CONFIGURATIONS
3*	S/S COUNTER W/ SINK	CUSTOM: 72"W x 24"D	W/ BACKSPLASH @ WALLS, 14" X 16" X 6"D I.D. SINK
4*	S/S TABLE W/ 2 DRAWERS	CUSTOM: 60"W x 24"D x 34"H	W/ BACKSPLASH AND UNDERSHELF
5	S/S 2–COMPARTMENT SINK W/ DRAIN BOARDS	CUSTOM: 96"W x 30"D x 34"H	W/ BACKSPLASH @ WALLS
6	S/S TABLE	CUSTOM: 72"W x 30"D x 34"H	W/ BACKSPLASH AND UNDERSHELF
7	ELECTRIC DRYER	N.I.C.	
8	WASHER	N.I.C.	
9	S/S CLEAN D/W TABLE	CUSTOM: 60"W x 30"D x 34"H	W/ UNDERSHELF & BACKSPLASH, TRANSITION END INTO D/W TANK
10	WARE WASHER (LOW–TEMP CHEMICAL TYPE)	HOBART CORP.: MODEL LT–1	PROVIDE WITH S/S FRONT PANEL & 4 EA. PEG RACKS
11	S/S SOILED D/W TABLE	CUSTOM: 60"W x 30"D x 34"H	W/ UNDERSHELF & BACKSPLASH, TRANSITION END INTO D/W TANK
12	BOOSTER HEATER	HATCO CORP. MODEL C–6 (140 DEGREE T–STAT SETTING)	208V 3–PHASE W/ SLIDE BRACKET MOUNTS WELDED TO TABLE

KEYED NOTES

1. EXISTING CEILING TO REMAIN.
2. LIGHT FIXTURE.
3. EXISTING STEEL TUBE FRAMING, DO NOT PAINT.
4. STAINLESS STEEL CAGE.
5. EXISTING STEEL COLUMN, PAINT.
6. EXISTING CMU.
7. REMOVE EXISTING H.M. FRAME AND DOOR.
8. GLASS BLOCK TRANSOM.
9. ACOUSTICAL WALL PANELS TYPICAL AT ALL FOUR WALLS OF LOBBY.
10. EXISTING STEEL COLUMNS TO REMAIN.
11. CONT. 16 GA. SATIN FINISH STAINLESS STEEL SLOPED TOP.
12. SAWCUT NEW OPENING AND INSTALL NEW DOOR AND FRAME
13. NEW CMU INFILL TO MATCH EXISTING SHOWN SHADED.
14. SOAP IN CMU AT LOCATION OF FORMER WALL HYDRANT.
15. PLASTIC LAMINATE CLAD TRANSACTION COUNTERS.
16. REMOVE EXISTING H.M. FRAME AND COUNTER SHOWN DASHED.
17. NEW CERAMIC TILE BASE.
18. NEW TRANSACTION WINDOW.
19. STAINLESS STEEL WAINSCOT. EXTEND FROM TOP OF SPLASH TO 2'-0" ABOVE WORK SURFACE. TRIM EDGES WITH STAINLESS STEEL, MOUNT TO WALL WITH MASTIC AND SEAL WITH SILICON SEALANT AT EDGES.
20. MOP BASIN.
21. STAINLESS STEEL WAINSCOT. EXTEND FROM TOP OF MOP BASIN TO 4'-0" A.F.F. TRIM EDGES WITH STAINLESS STEEL, MOUNT TO WALL WITH MASTIC AND SEAL WITH SILICON SEALANT AT EDGES.
22. CONDENSATE HOOD, SEE MECHANICAL.
23. 4"W X 2" DEEP DRAIN TROUGH WITH PERFORATED DRAIN. PROVIDE CODE APPROVED DRAIN PIPE TO FLOOR SINK.
24. 20 GA. STAINLESS STEEL FILLER.
25. GYP. BD. WALL/ FURR DOWN.
26. PERFORATED VENTILATION HOLES AT BACK WALL OF CAGE. SEE DETAIL THIS SHEET.
27. STAINLESS STEEL COUNTER SUPPORT FROM WALLS ON ANGLE FRAME.
28. 4" CMU BASE. GROUT CELLS SOLID W/ CONC.
29. END OF WALL CAP W/ 1" LEGS FROM 20 GA. STAINLESS STEEL.
30. 16 GA. STAINLESS STEEL END PANEL.
31. CONTROL JOINT @ CERAMIC TILE.
32. LINE OF SOFFIT ABOVE.
33. TRANSITION ENDS OF TABLES INTO DISHWASHER TANK PER MANUFACTURER'S RECOMMENDATIONS.
34. EXISTING STAINLESS STEEL CAGES RELOCATED.
35. 6" TK. CONC. HOUSEKEEPING PAD.
36. TOP OF STEM WALL.
37. SWINGING MODULAR KENNEL SYSTEM GATE.
38. TROUGH DRAIN.
39. CONCRETE SPLASH WALL.
40. CONC. TROUGH SLOPED TO DRAINS.
41. KENNEL DIVIDER PANELS.
42. VERTICAL SLIDING DOOR.
43. TRENCH GRATING.
44. DROP WALL TO FINISH FLOOR ELEVATION.

GENERAL FINISH NOTES

A. PROVIDE TRANSITION STRIPS WHERE CHANGES IN TYPES AND LEVEL OF FLOOR MATERIALS OCCUR.
B. GRIND, PATCH AND FILL FLOORS AS NECESSARY TO INSURE A SMOOTH, UNIFORM SURFACE WHICH WILL NOT TELEGRAPH IRREGULARITIES THROUGH NEW FINISH MATERIALS.
C. GYPSUM BOARD WALLS AND CEILINGS TO BE SMOOTH FINISH (NO TEXTURE) PAINTED. MATCH ADJACENT TEXTURE WHERE INFILL AND PATCHING OCCURS.
D. ALL EXPOSED CONCRETE FLOOR SLABS INDICATED TO RECEIVE A BROOM FINISH SHALL MATCH AN ARCHITECT APPROVED 2' x 2' MOCK–UP SLAB.
E. CEILINGS WITH EXPOSED STRUCTURE: PAINT STRUCTURE, DECKING, PIPING, CONDUITS, DUCTS, ETC.
F. WHERE SEALED CONCRETE IS INDICATED, SMOOTH TROWEL FINISH AND SEAL W/ TWO COATS CONCRETE FLOOR PAINT.
G. ALL GYPSUM BOARD TO BE WATER RESISTANT TYPE EXCEPT AT ADMINISTRATION AREA REMODEL.
H. ALL INTERIOR CMU TO BE RUNNING BOND W/ CONCAVE JOINTS, UNLESS INDICATED OTHERWISE. MATCH ADJACENT SURFACES WHERE PATCHING OCCURS.

FINISH NOTES

1. PAINT NEW GYP. BD. SOFFIT AND EXISTING STEEL COLUMNS. DO NOT REPAINT EXISTING STEEL BEAMS, PYRAMID ROOF FRAMING OR GYP. BD. AT PYRAMID CEILING. LEVEL EXISTING SLOPED FLOOR PRIOR TO INSTALLING NEW FLOOR FINISH.
2. PAINT NEW DOORS AND FRAMES (INTERIOR AND EXTERIOR). PAINT EXISTING FRAMES WHERE NEW DOOR PANELS ARE INSTALLED (INTERIOR AND EXTERIOR). PATCH AND REPAINT WALLS IF DAMAGED DUE TO FRAME REMOVAL.
3. PAINT COLOR CHANGE TO OCCUR AT 4'-2" A.F.F. DO NOT PAINT CONCRETE CURBS. DO NOT PAINT CONCRETE DIVIDER PANELS AT KENNELS.

RECORD DRAWINGS APRIL 2000

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11/19/97
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proj. no.: 9509

acad file:

date: 11/18/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title:
ROOM FINISH SCHEDULE
ENLARGED PLANS
INTERIOR ELEVATIONS
EQUIPMENT SCHEDULE

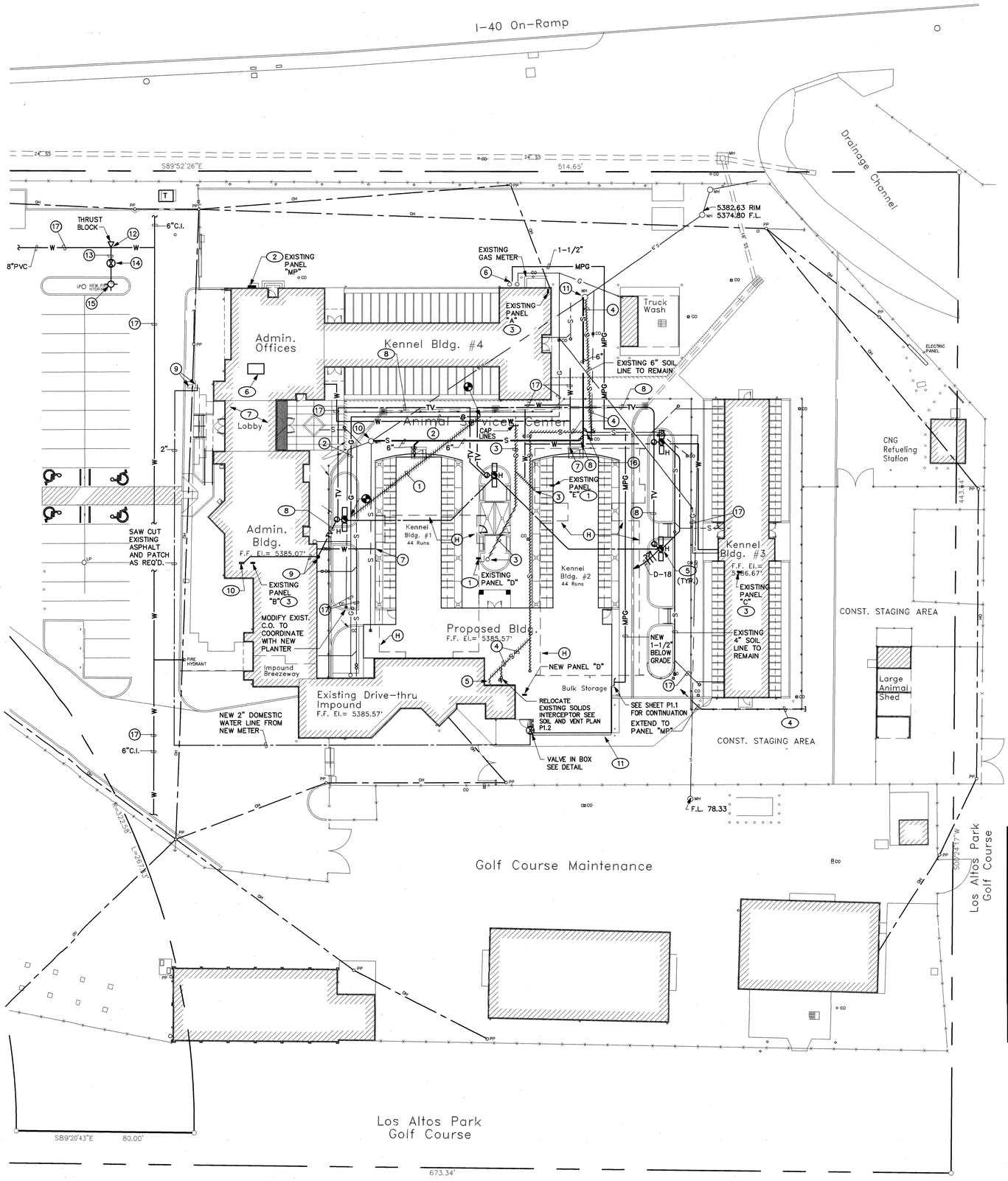
A9.1

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee — DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

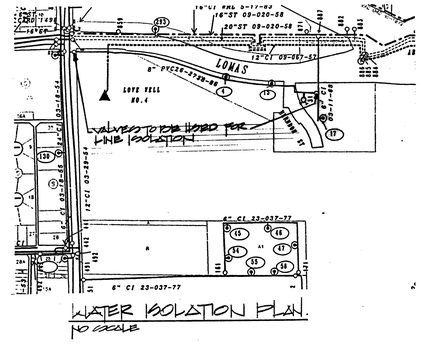
City Project No. 5219.90 | Zone Map No. K–20 | Sheet 23 Of 33



UTILITIES SITE PLAN

SCALE: 1" = 20'

20' 10' 0 20' 40'



WATER ISOLATION PLAN

NO SCALE

NOTE:
MAINTAIN ALL MECHANICAL, ELECTRICAL, PLUMBING AND COMMUNICATION SERVICES TO OWNER'S OPERATIONAL AREAS WHILE PERFORMING WORK. PROVIDE ALL BYPASS, CROSS-CONNECTS, AND/OR TEMPORARY ROUTINGS AND CONNECTIONS AS REQUIRED TO INSURE FULL OPERATION OF ALL SERVICES TO ALL AREAS NOT UNDER CONSTRUCTION-AT NO ADDITIONAL COST.

WATER SHUTOFF REQUIREMENTS:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION, 857-8200, TO INITIATE IMPLEMENTATION OF THE NON-PRESSURIZED CONNECTION PLAN. IN ORDER TO COMPLETE THIS CONNECTION THE VALVES INDICATED ON THE VALVE MAP ABOVE MUST BE CLOSED BY WATER SYSTEMS PERSONNEL.

UTILITIES CONNECTION FEES SUMMARY

UTILITY	PAID BY	
	OWNER	CONTRACTOR
WATER	X	
SEWER	X	
GAS		X (EXTENSIONS ONLY, SERVICE EXISTS)
TELEPHONE		X (EXTENSIONS ONLY, SERVICE EXISTS)
ELECTRIC		X (EXTENSIONS ONLY, SERVICE EXISTS)

KEYED NOTES ⬭ (ELECTRICAL)

1 PANEL TO BE REMOVED COMPLETE. EXISTING KENNEL TO BE DEMOLISHED REFER TO ARCHITECTURAL PLANS.

2 PROVIDE NEW FEEDERS AND SWITCHES IN EXISTING MAIN DISTRIBUTION PANEL AS SHOWN ON POWER RISER DIAGRAM.

3 EXISTING PANEL TO REMAIN.

4 CONDUIT STUB-OUT FOR POWER TO FUTURE BUILDINGS. REFER TO POWER RISER DIAGRAM. PROVIDE BRASS CAP LOCATION MARKER, VERIFY EXACT ROUTING AND LOCATION IN FIELD WITH ARCHITECT.

5 POLE-MOUNTED HPS FIXTURE, REFER TO POLE MOUNTING DETAIL.

6 EXISTING TELEPHONE ROOM TO BE ENLARGED, REFER TO ARCHITECTURAL PLANS.

7 EXISTING LOBBY AREA TO BE REMODELED.

8 1.5" TELEVISION CONDUIT WITH PULL WIRE FOR FUTURE CONNECTIONS BY OTHERS.

9 RISE UP SIDE OF EXISTING WALL AND USE "LB" STYLE FITTING TO PENETRATE WALL ABOVE CEILING. EXTEND TO TELEVISION MONITORING HEAD-END EQUIPMENT IN RADIO ROOM.

10 TELEVISION HEAD-END EQUIPMENT.

KEYED NOTES ○ (MECHANICAL)

1 REMOVE 2 EACH 1" MEDIUM PRESSURE GAS LINES FROM WITHIN NEW CONSTRUCTION AREA. REROUTE AROUND BUILDING.

2 CONNECT 2 EACH 1" MEDIUM PRESSURE GAS LINES TO EXISTING AND ROUTE AROUND NEW CONSTRUCTION. SAW CUT EXISTING ASPHALT AND PATCH AS REQUIRED.

3 REMOVE 2 EACH, EXISTING GAS REGULATORS AND 2 EACH 1" MEDIUM PRESSURE GAS LINES BACK TO LINES RUNNING EAST/WEST AND CAP. SAW CUT EXISTING ASPHALT AND PATCH AS REQUIRED. CAP LINES AT EXISTING GAS METER PIPE HEADER.

4 REMOVE EXISTING SOIL LINE.

5 EXISTING 2" SOIL LINE SERVING EXISTING FLOOR DRAIN IN FREEZER ANTEROOM SHALL BE CONNECTED TO NEW PLUMBING, SEE SOIL AND VENT PLAN SHEET P1.2 FOR CONTINUATION.

6 CONNECT NEW 1-1/2" MEDIUM PRESSURE GAS LINE TO EXISTING HEADER. TRACE DOWN AND IDENTIFY THE TWO LINES SERVING THE KENNELS TO BE DEMOLISHED AND CAP LINES.

7 DISCONNECT AND CAP EXISTING WATER LINE SERVING KENNEL TO BE DEMOLISHED.

8 TWO WAY CLEAN OUT TO FINISH SURFACE, SEE DETAIL.

9 REPLACE EXISTING WATER METER WITH 2" AND CONNECT NEW 2" WATER LINE. MAINTAIN EXISTING WATER SERVICE TO ADMIN. BUILDING. SAW CUT ASPHALT, CURB AND WALK FOR INSTALLATION AND PATCH AS REQUIRED. UTILITY EXPANSION CHARGES WILL BE PAID FOR BY THE CITY OF ALBUQUERQUE.

10 CONNECT NEW 6" PVC SAS TO EXISTING MANHOLE ⊕ INVERT = 80.40 RESHAPE BOTTOM OF MANHOLE PER COA STD. DWG. 2101. PLUG EXISTING 6" NE INVERT.

11 CONNECT NEW 6" PVC SAS TO EXISTING MANHOLE ⊕ INVERT 78.75. RESHAPE MANHOLE BOTTOM PER COA STD. DWG. 2101.

12 CONNECT NEW 6" WL TO EXISTING 8". USE 8"x6"x8" D.I. MJ TEE AT CONNECTION. EXISTING 8" WATERLINE SHOWN AT APPROX. LOCATION. CONTRACTOR SHALL FIELD LOCATE EXISTING WATERLINE. SHOULD CONFLICTS EXIST, CONTRACTOR SHALL NOTIFY ENGINEER SO ADJUSTMENTS CAN BE MADE.

13 PROVIDE FULL RESTRAINT AT ALL JOINTS ALONG NEW WL.

14 INSTALL NEW 6" GATE VALVE (MJ) AND NEW TYPE "A" VALVE BOX PER COA STD. DWG. 2325.

15 INSTALL NEW FIRE HYDRANT PER COA STD. DWG. 2340.

16 EXTEND EXISTING 4" SOIL LINE TO NEW 6" LINE. PROVIDE TWO-WAY CLEANOUT IN BEND.

17 EXISTING LINE BELOW GRADE.

GENERAL NOTES

A. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".

B. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.

C. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.

D. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC. WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.

E. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

F. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.

G. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.

H. OUTLINES OF BUILDINGS TO BE DEMOLISHED. REMOVE ALL RELATED UTILITIES.

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 11261 JAMES Q. COUPLAND 12/17/97

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval

Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 24 Of 33

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date: 12/16/97

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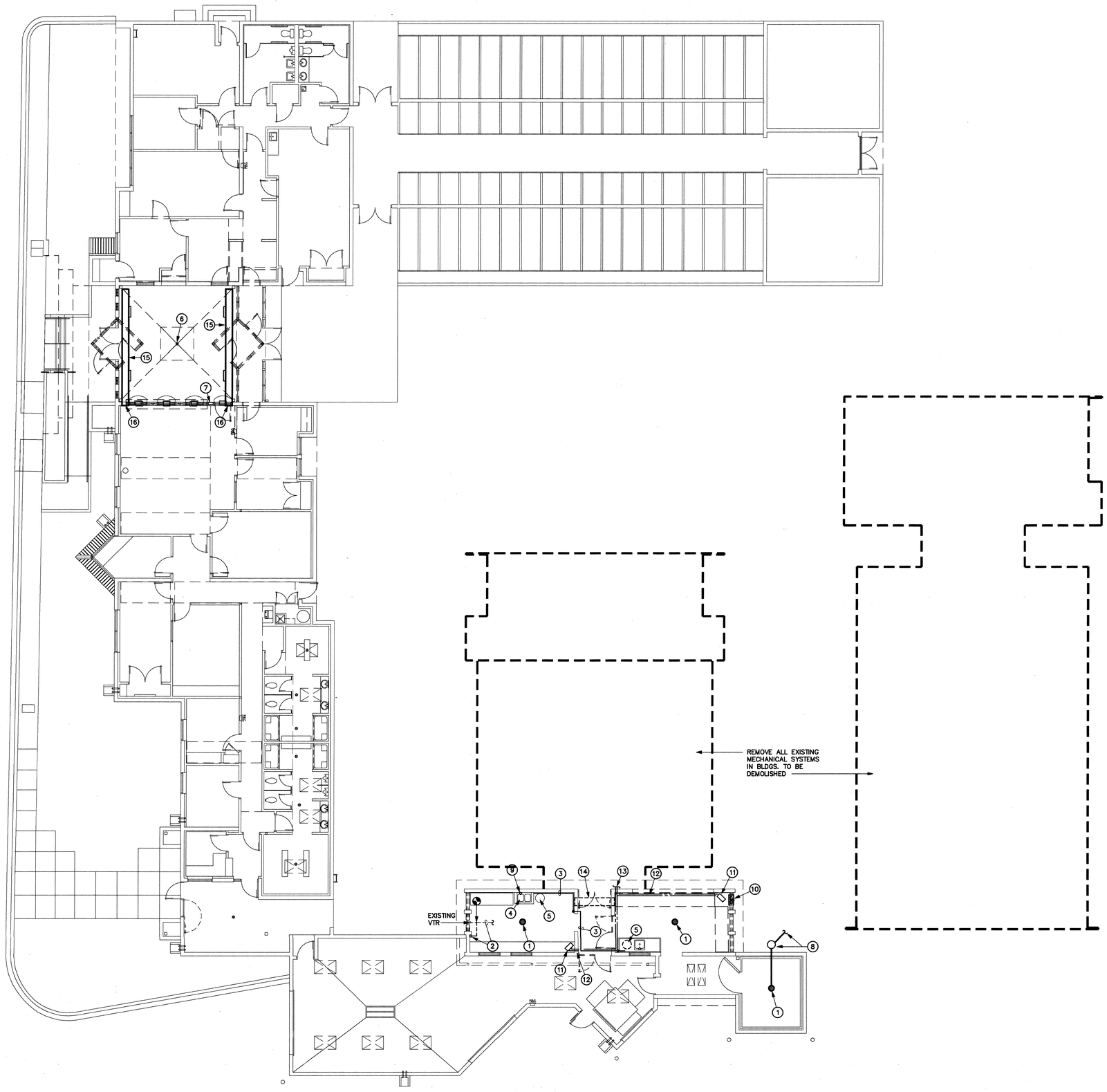
EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title: U1-UTIL

UTILITIES SITE PLAN

U1.1



MECHANICAL DEMOLITION PLAN

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

0 1 4 8 16

KEYED NOTES ○

1 EXISTING FLOOR DRAIN TO BE REPLACED.

2 REROUTE EXISTING VENT LINE BELOW FLOOR TO SIDE OF NEW OPENING. ROUTE IN CEILING AREA AND RECONNECT OT EXISTING 2" VTR.

3 REMOVE EXISTING EXPOSED 1/2" CW LINE INCLUDING ALL HANGERS AND SUPPORTS. PATCH ALL PENETRATIONS THRU EXISTING WALLS.

4 EXISTING TWO COMPARTMENT SINK TO REMAIN. DEMO ALL EXISTING SOIL, VENT AND WATER PIPING.

5 REMOVE EXISTING FLOOR MOUNTED ELECTRIC WATER HEATER INCLUDING ALL WATER AND DRAIN PIPING.

6 REMOVE EXISTING FLOOR DRAIN GRATE AND FILL DRAIN WITH CONCRETE.

7 REMOVE EXISTING ENCASED WALL HYDRANT. CAP WATER PIPE IN CEILING SPACE AND PATCH WALL TO MATCH EXISTING.

8 RELOCATE EXISTING SOLIDS INTERCEPTOR. CONNECT EXISTING OUTLET LINE TO NEW 3" LINE, SEE NEW WORK PLUMBING PLAN FOR CONNECTION.

9 CAP EXISTING 1-1/2" VENT AT CEILING AREA.

10 REMOVE EXISTING PROPELLER FAN. PATCH WALL TO MATCH EXISTING.

11 REMOVE EXISTING HOT WATER UNIT HEATER AND ASSOCIATED PIPING AND HARDWARE.

12 REMOVE ALL HOT WATER SUPPLY AND RETURN PIPING AND INSULATION SERVING THE EXISTING UNIT HEATERS AND ASSOCIATED HANGERS AND HARDWARE. PATCH ALL WALL PENETRATIONS TO MATCH THE EXISTING.

13 HOT WATER SUPPLY AND RETURN PIPING DEMOLISHED WITH THE EXISTING KENNEL BEYOND THIS POINT.

14 REMOVE EXISTING SIDE WALL GRILLES, ASSOCIATED DUCTWORK, SUPPORTS, AND HARDWARE. PATCH WALLS TO MATCH EXISTING.

15 REMOVE EXPOSED DUCTWORK AND SUPPLY AIR GRILLES. REMOVE ALL ASSOCIATED HANGERS, SUPPORTS AND HARDWARE.

16 CAP DUCTWORK BEHIND WALL AND PATCH WALL TO MATCH EXISTING.

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date 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

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sheet title MD1-DWG

MECH. DEMOLITION PLAN

MD1.1

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Engineer / Committee: APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval

Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 25 Of 33

KEYED NOTES ○

1 COORDINATE WATER PIPING WITH ELECTRICAL PANELS. DO NOT RUN PIPING DIRECTLY OVER PANEL.

2 3/4" CW LINE DOWN IN WALL TO HOSE BIBB.

3 3/4" CW AND HW LINES DOWN ON WALL TO BELOW SINK COUNTER TOP. EXTEND ON WALL TO EXISTING SINK FAUCET.

4 3/4" CW AND HW LINES DOWN IN WALL TO BELOW COUNTER TOP. EXTEND PIPING IN CABINET TO SK FAUCET.

5 1" CW MAKE-UP AND DRAIN ASSEMBLY FOR MAU'S. PROVIDE SHUT-OFF VALVE, DRAIN VALVE AND 1" DRAIN LINE DOWN IN WALL TO 90° ELBOW 18" ABOVE FINISH SURFACE. SLOPE ALL PIPING SERVING MAU'S BACK TO DRAIN ASSEMBLY.

6 3/4" HW AND CW PIPING DOWN IN NEW WALL TO NEW HAND SINK AND EXISTING DOUBLE COMPARTMENT SINK.

7 3/4" HW AND CW PIPING DOWN IN WALL TO WASH TABLE. PROVIDE ROUGH IN AND FINAL CONNECTION.

8 3/4" HW AND CW PIPING DOWN IN WALL TO WMB.

9 GAS LINE TO UNIT HEATER.

10 EXTEND GAS LINE THRU ROOF TO BOILER AND WATER HEATER. SEE PIPING SCHEMATIC.

11 VALVED SUPPLY AND DRAIN CONNECTIONS TO MAU EVAPORATIVE MODULE WITH UNIONS. SUPPLY AND DRAIN VALVES LOCATED IN CEILING AREA.

12 3/4" HW AND CW LINES DOWN IN WALL TO FAUCET F-1. PROVIDE ROUGH-IN AND FINAL CONNECTION INCLUDING CHROME PLATED CAST BRASS ANGLE SUPPLIES WITH WHEEL HANDLE STOPS, TWO STRAINER DRAIN ASSEMBLIES WITH 1-1/2" TAIL PIECE, CONTINUOUS WASTE CONNECTION AND CHROME PLATED CODE APPROVED ADJUSTABLE "P" TRAP WITH WASTE TO WALL.

13 EXTEND 1-1/2" IRRIGATION WATER LINE FROM DOWNSTREAM OF BUILDING BACKFLOW PREVENTER THRU CEILING AREA TO EXTERIOR PLANTER. COORDINATE WITH ELECTRICAL PANELS.

14 1-1/2" IRRIGATION LINE DOWN IN INTERIOR WALL TO BELOW SLAB FROM ABOVE CEILING. NO JOINTS ALLOWED BELOW SLAB.

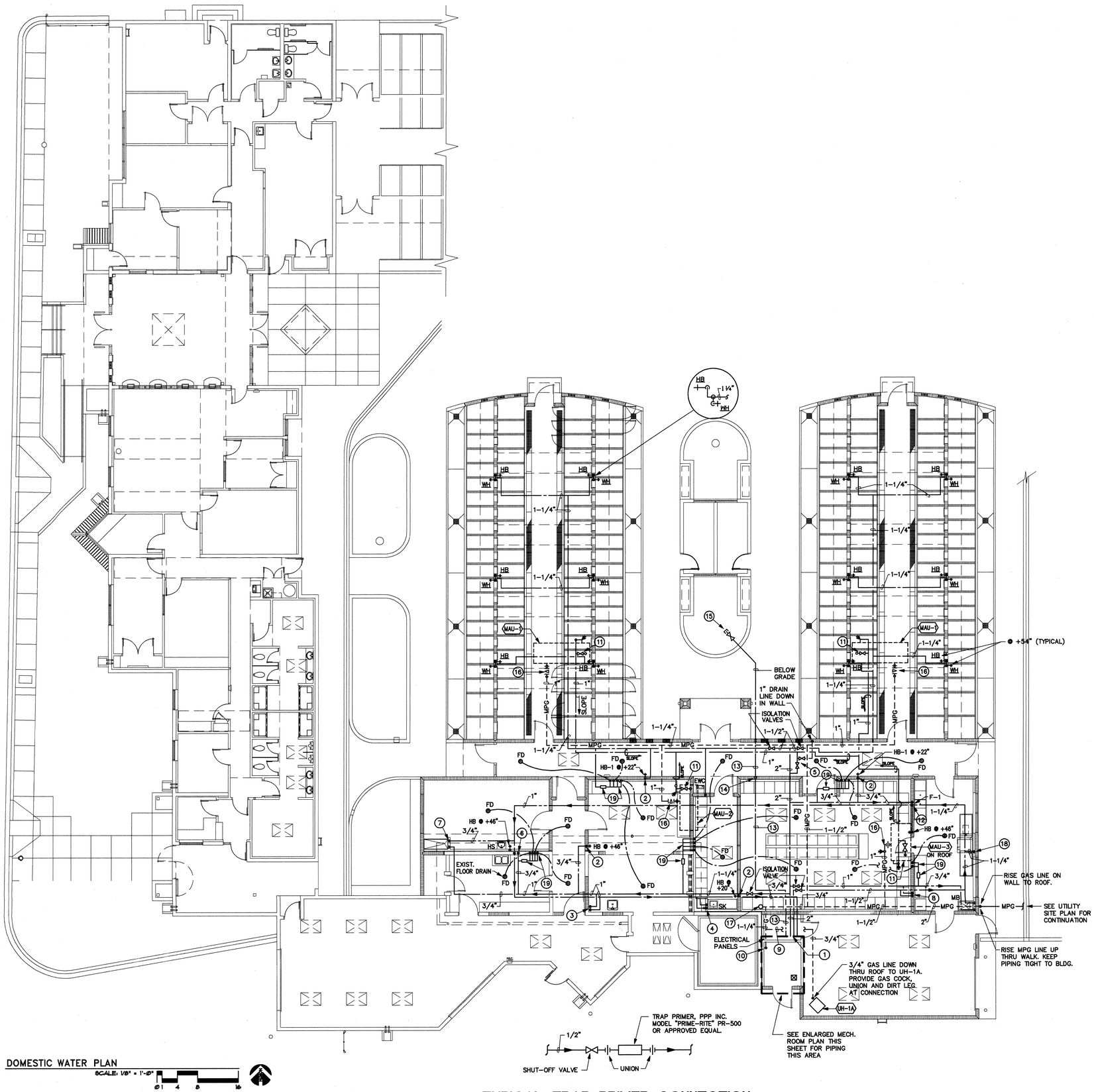
15 PROVIDE VALVED AND CAPPED 1-1/2" IRRIGATION LINE AT THIS LOCATION.

16 PROVIDE GAS COCK GAS REGULATOR, UNION AND FLEX CONNECTION AT CONNECTION TO UNIT.

17 PROVIDE GAS REGULATOR UPSTREAM OF BOILER, WATER HEATER AND UNIT HEATER.

18 1-1/4" HW LINE DOWN IN WALL TO BALL VALVE AND PRESSURE VAC. BREAKER AND CONNECT TO BOOSTER HEADER. EXTEND 1-1/4" HW LINE FROM BOOSTER HEATER TO DISHWASHER. PROVIDE BALL VALVE, PRESSURE REDUCING VALVE AND UNION AT CONNECTION.

19 INSTALL TRAP PRIMER ABOVE CEILING, SEE TRAP PRIMER CONNECTION DETAIL THIS SHEET. EXTEND 1/2" SUPPLY LINES DOWN IN WALL TO BELOW FLOOR AND EXTEND TO FLOOR DRAINS. COORDINATE WITH PLUMBING ON SHEET P1.2.

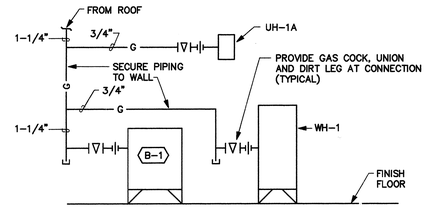


DOMESTIC WATER PLAN

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

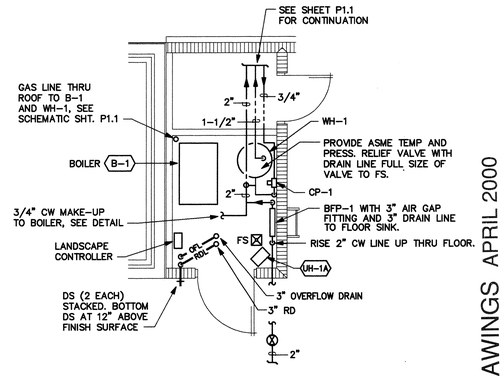
TYPICAL TRAP PRIMER CONNECTION

SCALE: NONE



MECH. ROOM GAS PIPING SCHEMATIC

SCALE: NONE



ENLARGED MECHANICAL ROOM

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

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update: Mo./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 26 Of 33

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revisions

proj. no. 195836

acad file

date 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title P1-DWG

DOMESTIC WATER PLAN

P1.1

KEYED NOTES ○

1 2" VENT LINE UP IN WALL FROM BELOW FLOOR.

2 1-1/2" VENT LINE UP IN WALL FROM WASHING MACHINE TO ABOVE CEILING.

3 2" VENT LINES UP IN WALL FROM BELOW FLOOR, CONNECT TO COMMON 2" VENT LINE AND EXTEND TO 2" VTR.

4 4" DRAIN CONNECTION TO TRENCH DRAIN WITH HUB CONNECTION AND P-TRAP.

5 NEW 2' DRAIN CONNECTION TO EXISTING DOUBLE COMPARTMENT SINK.

6 2" VENT LINE BELOW FLOOR.

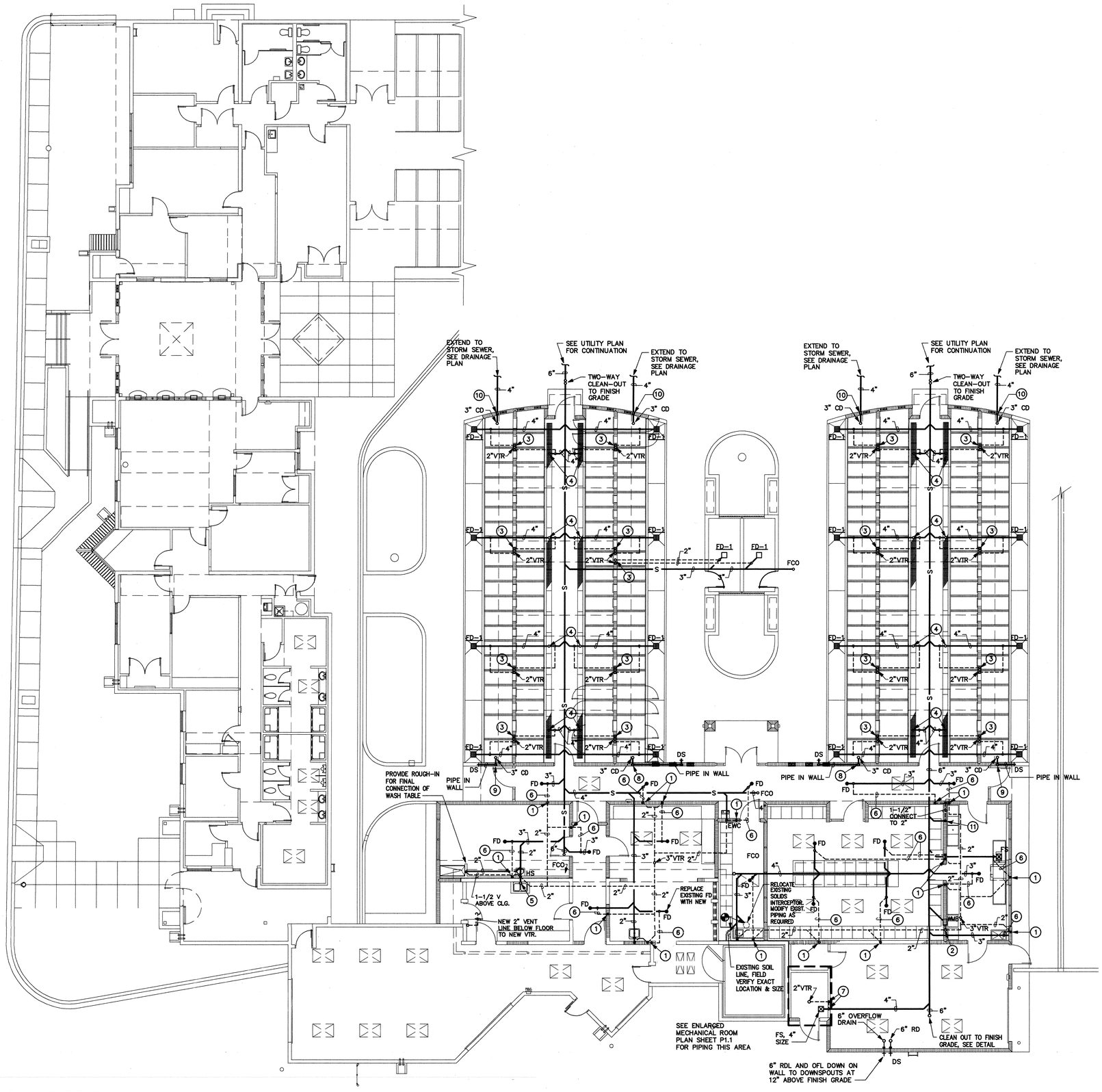
7 2" VENT LINE UP ON WALL FROM BELOW FLOOR, OFF-SET AT CEILING AREA AND EXTEND THRU ROOF.

8 3" RDL DOWN IN WALL FROM CEILING AREA, OFF-SET IN WALL AND EXTEND TO DS 12" ABOVE FINISH SURFACE.

9 3" RDL DOWN IN WALL FROM CEILING AREA, EXTEND TO DS 12" ABOVE FINISH SURFACE.

10 3" RDL DOWN IN WALL FROM CEILING AREA TO BELOW GRADE.

11 PROVIDE 2" WASTE CONNECTION FOR TWO COMPARTMENT SINK. PROVIDE ALL FITTINGS, TRAPS AND ALL ITEMS REQUIRED FOR A COMPLETE INSTALLATION.



NOTE:
COORDINATE EXACT LOCATION OF FLOOR DRAINS AND AREA DRAINS WITH ARCHITECTURAL DRAWINGS. PROVIDE TRAP PRIMER CONNECTION AS REQUIRED ON SHEET P1.1

SOIL AND VENT PLAN

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

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
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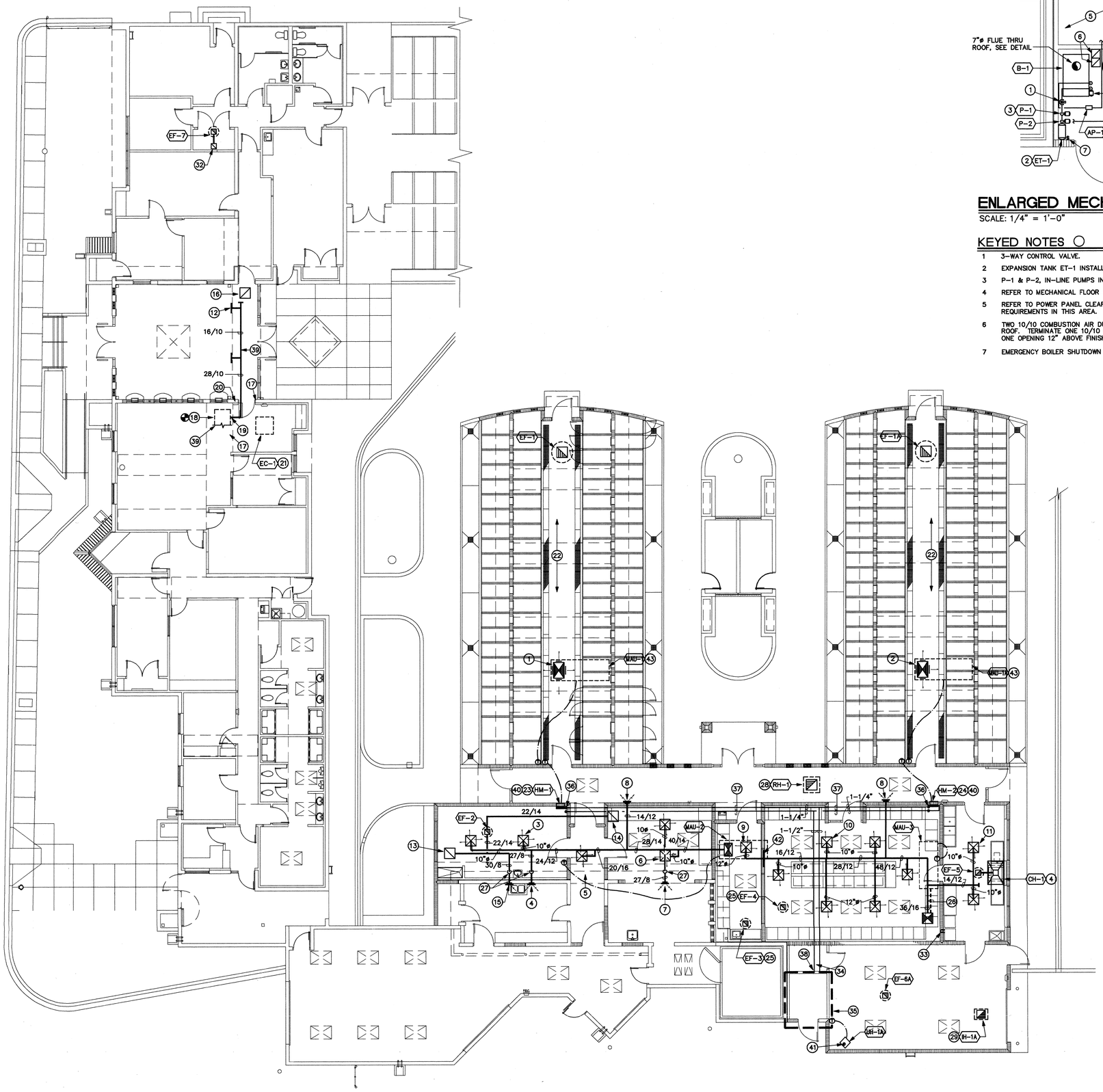
sheet title: P1-2.DWG

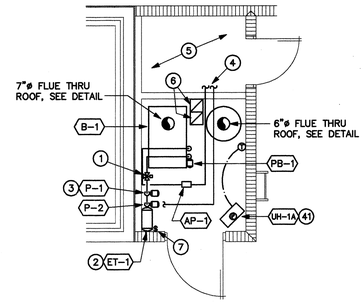
SOIL AND VENT PLAN

P1.2



HVAC PLAN

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



ENLARGED MECHANICAL ROOM

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

KEYED NOTES ○ (MECHANICAL ROOM)

1 3-WAY CONTROL VALVE.

2 EXPANSION TANK ET-1 INSTALLED HIGH IN MECHANICAL ROOM.

3 P-1 & P-2, IN-LINE PUMPS INSTALLED IN VERTICAL PIPING.

4 REFER TO MECHANICAL FLOOR PLAN FOR CONTINUATION OF PIPING.

5 REFER TO POWER PANEL CLEARANCE DIAGRAM FOR PIPING REQUIREMENTS IN THIS AREA.

6 TWO 10/10 COMBUSTION AIR DUCTS DOWN FROM GOOSENECK ON ROOF. TERMINATE ONE 10/10 OPENING 12" BELOW CEILING AND ONE OPENING 12" ABOVE FINISHED FLOOR.

7 EMERGENCY BOILER SHUTDOWN SWITCH.

KEYED NOTES ○

1 SG-1, SIDEWALL 20/16 FACE WITH 18/14 NECK AT 1100 CFM. SUPPLY REGISTER SHALL BE DUCT MOUNTED WITH OBD, TYP. OF 4, ON SUPPLY PLENUM. SUPPLY PLENUM SHALL BE 24"W X 24"L X 20"D.

2 SG-1A, SIDEWALL 20/16 FACE WITH 18/14 NECK AT 1100 CFM. SUPPLY REGISTER SHALL BE DUCT MOUNTED WITH OBD, TYP. OF 4.

3 CD-1, 24/24 FACE WITH 10" ROUND NECK AT 550 CFM, TYP. OF 2.

4 SG-1, SIDEWALL 29/10 FACE WITH 27/8 NECK AT 710 CFM.

5 CD-1, 24/24 FACE WITH 8" ROUND NECK AT 200 CFM.

6 CD-1, 24/24 FACE WITH 10" ROUND NECK AT 435 CFM, TYP. OF 2.

7 SG-1, SIDEWALL 29/10 FACE WITH 27/8 NECK AT 870 CFM.

8 SG-1, SIDEWALL 29/10 FACE WITH 27/8 NECK AT 800 CFM.

9 CD-2, 24/24 FACE WITH 12" ROUND NECK AT 600 CFM.

10 CD-2, 24/24 FACE WITH 10" ROUND NECK AT 450 CFM, TYP. OF 6.

11 CD-2, 24/24 FACE WITH 10" ROUND NECK AT 450 CFM, TYP. OF 2.

12 SG-1, SIDEWALL 20/12 FACE WITH 18/10 NECK AT 770 CFM. TYPICAL OF 2.

13 EG-1, 24/24 FACE WITH 8" ROUND NECK AT 1150 CFM.

14 EG-1, 24/24 FACE WITH 8" ROUND NECK AT 1800 CFM.

15 ER-1, SIDEWALL 32/10 FACE WITH 30/8 NECK AT 800 CFM.

16 RG-1, 24/24 FACE WITH RETURN AIR SOUND TRAP, REFER TO DETAIL SHEET MP1.2.

17 24/12 RETURN AIR OPENING ABOVE CEILING.

18 CAP EXISTING SUPPLY AIR DUCT AT THIS POINT.

19 CONNECT NEW 28/10 SUPPLY AIR DUCT TO EXISTING DUCT.

20 CONTRACTOR TO VERIFY EXISTING CEILING SPACE. IF THERE IS NOT ENOUGH CEILING SPACE TO ACCOMMODATE DUCTWORK AND RETURN AIR, CONTRACTOR SHALL CONTACT ARCHITECT IMMEDIATELY.

21 REPLACE EXISTING EVAPORATIVE COOLER WITH NEW EC-1. CONTRACTOR SHALL CONNECT TO EXISTING DUCTWORK AND WEATHER PROOF NEW DUCTWORK, CONNECTIONS, AND ANY EXISTING DUCTWORK.

22 RADIANT SLAB TUBING SERVING THIS AREA, SEE HM-1 & 2 NOTES.

23 KENNEL BUILDING 201 AREA TO BE SERVED BY HEATING MANIFOLD HM-1. INSTALL HEATING MANIFOLD THREE WAY VALVE WITH HEATING MANIFOLD AND ACCESS PANEL PER ARCHITECT'S DIRECTION. MINIMUM NUMBER OF CIRCUITS AS SCHEDULED. PIPING BASED ON 5/8" DIAMETER TUBING AT 12" ON CENTER. CONTRACTOR SHALL SUBMIT PIPING LAYOUT FOR APPROVAL BY ARCHITECT/ENGINEER PRIOR TO INSTALLATION.

24 KENNEL BUILDING 301 AREA TO BE SERVED BY HEATING MANIFOLD HM-2. INSTALL HEATING MANIFOLD THREE WAY VALVE WITH HEATING MANIFOLD AND ACCESS PANEL PER ARCHITECT'S DIRECTION. MINIMUM NUMBER OF CIRCUITS AS SCHEDULED. PIPING BASED ON 5/8" DIAMETER TUBING AT 12" ON CENTER. CONTRACTOR SHALL SUBMIT PIPING LAYOUT FOR APPROVAL BY ARCHITECT/ENGINEER PRIOR TO INSTALLATION.

25 ROOF MOUNTED EXHAUST FAN WITH SOUND BOOT IN BOOT, IN CEILING SPACE, SIZED TO MATCH EXHAUST FAN'S OPENING. REFER TO DETAIL SHEET MP1.2.

26 EXPOSED DUCTWORK ON ROOF, REFER TO DETAIL SHEET MP1.2.

27 REFER TO DUCTWORK SECTION SHEET MP1.2 FOR FURTHER DETAIL.

28 20/20 ROOF PENETRATION FOR RELIEF RH-1.

29 16/16 ROOF PENETRATION FOR INTAKE HOOD IH-1.

30 DELETED.

31 DELETED.

32 EG-2, 12/12 FACE WITH 6" ROUND NECK AT 100 CFM.

33 EXTEND 6" ROUND DRYER VENT UP THROUGH ROOF AND TERMINATE WITH GOOSENECK.

34 REFER TO POWER PANEL COORDINATION DETAIL SHEET MP1.2.

35 REFER TO ENLARGED MECHANICAL PLAN THIS SHEET.

36 SUPPLY AND RETURN HEATING WATER PIPING TO AND FROM HEATING MANIFOLD/THREE WAY VALVE. PROVIDE ISOLATION VALVES ON THE SUPPLY AND RETURN PIPING.

37 PROVIDE BALANCING VALVE.

38 REFER TO ENLARGED MECHANICAL PLAN FOR CONTINUATION AND PIPING SCHEMATIC FOR FURTHER DETAIL.

39 BALANCE THE COMPLETE SYSTEM, BOTH HEATING AND COOLING, AFTER ALL MODIFICATIONS AND ADDITIONS ARE COMPLETED.

40 FRAME FOR REQUIRED ACCESS SPACE, IN WALL, FOR 3-WAY CONTROL VALVE AND HEATING MANIFOLD. INSTALL ACCESS PANEL IN CORRIDOR WALL TO MATCH FINISH. REFER TO DIVISION 10 FOR ACCESS PANEL SPECIFICATION.

41 FLUE THRU ROOF, SEE DETAIL SHEET MP1.2.

42 INSTALL BACKDRAFT DAMPER VERTICALLY IN DUCT. DAMPER SHALL BE SIZED TO ACCOMMODATE 600 CFM AT A MAXIMUM 0.07" S.P. LOSS.

43 MAKE-UP AIR UNIT SHALL BE ORDERED SO THAT ACCESS AND EQUIPMENT CAN BE FROM THE NORTH SIDE OF UNIT.

NOTE:

SEE SHEET MP1.1 FOR GENERAL NOTES.

RECORD DRAWINGS APRIL 2000

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sheet title M1-LDWG

HVAC PLAN

M1.1

GENERAL NOTES

A. ALL RECTANGULAR DUCT SIZES SHOWN ARE INSIDE DIMENSIONS. INSTALL 1" INTERIOR ACOUSTIC LINER IN RECTANGULAR ONLY WHERE NOTED. ROUND DUCTS SHALL BE EXTERNALLY INSULATED, UNLESS OTHERWISE NOTED.

B. ALL DUCT SEAMS SHALL BE SEALED AIRTIGHT WITH HIGH PRESSURE DUCT SEALER OR HIGH VELOCITY TAPE.

C. PROVIDE ALL NECESSARY FITTINGS FOR RISES AND OFFSETS IN DUCTWORK AND PIPING REQUIRED FOR PROPER INSTALLATION WHETHER OR NOT SHOWN ON DRAWINGS.

D. ALL DUCTWORK INSTALLED IN AREAS WITH CEILING TO BE ROUTED BETWEEN LIGHTS AS MUCH AS POSSIBLE AND INSTALLED AS HIGH AS POSSIBLE.

E. ALL DUCT PENETRATIONS THRU THE ROOF SHALL BE CURBED, FLASHED AND COUNTERFLASHED TO ACHIEVE A WATERTIGHT CONSTRUCTION.

F. COORDINATE ROOF PENETRATIONS TO AND FROM EQUIPMENT WITH STRUCTURAL DRAWINGS. ROOF OPENINGS SHALL BE LOCATED BETWEEN JOISTS.

G. INSTALL "SPIN-IN" TYPE FITTINGS WITH BALANCING DAMPERS FOR ROUND BRANCH RUNOUTS TO EACH DIFFUSER. BRANCH DUCTS TO DIFFUSERS SHALL BE OF EQUAL SIZE TO NECK DIAMETER.

H. FLEXIBLE ROUND DUCT BRANCHES TO DIFFUSERS A SHALL BE PRE-INSULATED AND SHALL NOT EXCEED 5 FT. IN TOTAL LENGTH.

I. INSTALL BALANCING DAMPERS WITH LOCKING QUADRANTS AT ALL BRANCH DUCTWORK TAKE-OFF.

J. CONTRACTOR SHALL VERIFY COORDINATION OF DUCTWORK AND STRUCTURE BEFORE FABRICATION OF SHEET METAL WORK. IN CASE OF CONFLICT, NOTIFY ARCHITECT. MODIFICATION SHALL BE MADE AT NO COST TO OWNER.

K. COORDINATE THE LOCATIONS OF ALL DUCTWORK WITH ANY PLUMBING LINES AND ELECTRICAL CONDUIT. THE SPACE ABOVE THE CEILING IS LIMITED. IN THE EVENT THAT ANY DUCT CANNOT BE ROUTED AS SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL MODIFY THE DUCT AS REQUIRED. MAINTAINING THE SAME NET FREE AREA AS THE DESIGNED DUCT. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT. SHOWING THE PROPOSED CHANGES FOR APPROVAL. THIS SHALL BE DONE AT NO COST TO THE OWNER.

L. COORDINATE LOCATION OF ALL DIFFUSERS, GRILLES AND REGISTERS TO BE SYMMETRICAL WITH RESPECT TO LIGHTS AND CEILING GRIDS. SEE REFLECTED CEILING PLAN AND LIGHTING PLAN.

M. ALL 90-DEG. SQUARE ELBOWS SHALL BE PROVIDED WITH DOUBLE THICK TURNING VANES.

N. ALL FIRE DAMPERS SHALL BE INSTALLED IN A U.L. APPROVED MANNER AND SHALL BE U.L. LISTED.

O. ALL THERMOSTATS SHALL BE MOUNTED UP 48" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED. PROVIDE VENTILATED LOCKING COVERS WITH GUARDS AT ALL THERMOSTATS. UNLESS OTHERWISE DIRECTED.

P. PROVIDE ACCESS DOORS IN FIXED CEILINGS. CHASES AND DUCTWORK TO ALL FIRE DAMPERS. BALANCING DAMPERS OR OTHER MECHANICAL DEVICES REQUIRING SERVICE ACCESS.

Q. BEFORE CONTRACTOR ORDERS ANY GRILLES, REGISTERS OR DIFFUSERS, HE SHALL VERIFY THE CEILING CONSTRUCTION IN ALL AREAS OF THE PROJECT. IF GRILLES, REGISTERS OR DIFFUSERS SPECIFIED ARE NOT COMPATIBLE WITH THE TYPE OF CEILING CONSTRUCTION. THE CONTRACTOR SHALL ORDER PROPER TYPE OF GRILLE, REGISTER OR DIFFUSER TO BE COMPATIBLE WITH THE CEILING.

R. INSTALL DUCTWORK AS CLOSE TO STRUCTURE AND IN BETWEEN JOIST WHEREVER POSSIBLE.

EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
B-1	BOILER: HEATING WATER BOILER SHALL BE STRAIGHT COPPER WATERTUBE DESIGN, ATMOSPHERIC NATURAL GAS FIRE UNIT, AGA CERTIFIED AND ASME STAMPED FOR 160 PSI. UNIT SHALL BE PROVIDED WITH 125 PSI, ASME RELIEF VALVE, 24 VOLT COMBINATION GAS VALVE/GAS PRESSURE REGULATOR, REDUNDANT GAS VALVE, DRAFT DIVERTOR, DUAL HI-LIMIT AQUASTATS, 24 VOLT CONTROL TRANSFORMER, NATIONAL BOARD STAMP, TEMPERATURE AND PRESSURE GAUGES, BRONZE HEADERS. UNIT SHALL HAVE 100% PILOT SAFETY SHUTOFF. BURNER SHALL BE AGA CERTIFIED FOR MINIMUM 80% EFFICIENCY. PROVIDE FLOW SWITCH TO PREVENT FIRING WITHOUT WATERFLOW. UNIT SHALL BE RAYPAK OR APPROVED SUBSTITUTION.

SYMBOL	MODEL	MBH INPUT (SL)	GPM	EWT	WPD (FT)
B-1	H-183	186	15.0	180	1.0

SYMBOL	DESCRIPTION
P-1, P-2 AND PB-1	PUMP: CLOSE COUPLED, IN-LINE SINGLE STAGE, VERTICAL SPLIT CASE PUMP FOR INSTILLATION IN VERTICAL PIPING. CAPABLE OF BEING SERVICED WITHOUT DISTURBING PIPING CONNECTIONS, SOLID VOLUTE WITH SUCTION AND DISCHARGE GAGE TAPPINGS, ENCLOSED IMPELLER, HYDRAULICALLY AND DYNAMICALLY BALANCED, WITH MECHANICAL SEALS. FURNISH ONE SPARE MECHANICAL SEAL PER PUMP. UNIT SHALL BE BELL & GOSSETT SERIES 90 OR APPROVED SUBSTITUTION.

SYMBOL	MODEL	GPM	HEAD	HP	RPM	VOLT/PH
P-1	1-1/2"A	15	43	1/2	1750	120/1
P-2	1-1/2"A	15	43	1/2	1750	120/1
P-B2	HV	15	10	1/6	1750	120/1

SYMBOL	DESCRIPTION
ET-1	EXPANSION TANK: PRESSURIZED DIAPHRAGM-TYPE EXPANSION TANK. UNIT SHALL BE ASME TANK AND SHALL BE DESIGNED FOR HORIZONTAL INSTALLATION AS SHOWN ON THE DRAWINGS AND SHALL BE DESIGNED FOR MAX WORKING PRESSURE OF 125 PSI AT 240 F, INITIAL CHARGE PRESSURE SHALL BE 20 PSI. TANK SHALL BE BELL & GOSSETT SERIES 90 OR APPROVED SUBSTITUTION.

SYMBOL	MODEL	TANK GAL.	ACCEPTANCE GAL.
ET-1	D-20H	10.9	2.5

SYMBOL	DESCRIPTION
AP-1	AIR PURGER: LINE SIZE AIR PURGER AS MANUFACTURED BY BELL & GOSSETT OR APPROVED SUBSTITUTION DESIGNED SPECIFICALLY FOR THE REMOVAL OF AIR IN HEATING WATER SYSTEMS.
AV-1	AV-1 AIR VENT: AUTOMATIC AIR ELIMINATOR MODEL 87 AS MANUFACTURED BY BELL & GOSSETT OR APPROVED SUBSTITUTION, 150 PSIG WORKING PRESSURE.
HM-1 AND HM-2	HEATING MANIFOLD: COMBINATION HEATING SUPPLY AND RETURN MANIFOLD COMPLETE WITH BALANCING VALVES, TEMPERATURE AND PRESSURE TEST PORTS ON THE SUPPLY AND RETURN MANIFOLDS, COMBINATION VENT AND DRAIN END CAPS, MANIFOLD MOUNTING BRACKETS, SUPPORTS, BUSHINGS, ANGLE VALVES, GASKETS, AUTOMATIC AIR VENTS, BASIC END CAPS, COMPRESSION FITTINGS, MANUAL ZONE VALVE, MOTORIZED ZONE VALVE, TRANSFORMER AND ALL ACCESSORIES FOR A COMPLETE AND OPERATIONAL ASSEMBLY. UNIT SHALL BE WIRSBO OR APPROVED EQUAL.

SYMBOL	NO. OF CIRCUITS/LOOPS	NO. OF THERMOSTATS	NO. OF MOT. ZONE VALVES	GPM
HM-1	5	1	1	6.5
HM-2	5	1	1	6.5

SYMBOL	DESCRIPTION
MAU-1, MAU-2, AND MAU-3	MAKE-UP AIR UNIT: DIRECT FIRED UNIT COMPLETE WITH HIGH PRESSURE HIGH GAS SAFETY SWITCH AND ELECTRONIC MODULATION GAS CONTROL GAS SUPPLY PRESSURE IS 11" W.C. GAS MANIFOLD TO INCLUDE DIRECT FIRED DESIGN FOR NATURAL GAS FUEL. UNIT SUPPLY AIR SHALL CONTAIN PRODUCTS OF COMBUSTION AT CONCENTRATIONS BELOW THAT REQUIRED BY OSHA AND LOCAL HEALTH AUTHORITIES. PROVIDE MODULATING GAS CONTROL VALVE, PRESSURE REGULATOR, MAIN GAS MANUAL SHUTOFF, PILOT SOLENOID VALVE, PILOT REGULATOR, PILOT MANUAL SHUT-OFF, MAIN GAS MOTORIZED FLUID POWER VALVE, MANUAL SHUT-OFF LEAK-TEST VALVE, LOW GAS PRESSURE SAFETY SWITCH, VENT SOLENOID VALVE, ELECTRONIC IGNITION, INTERLOCKING RELAYS, MOTOR STARTER, AND DISCHARGE AIR DAMPER. UNIT SHALL INCLUDE OUTSIDE AIR DAMPERS, REMOTE BUILDING PRESSURE SENSOR, VELOCITY PRESSURE SENSOR AG33 GAS CONTROL SYSTEM WITH DUCTSTAT AND REMOTE SELECTRASTAT MOUNTED ON A REMOTE CONTROL PANEL. VELOCITY OF AIR OVER BURNER MUST ALWAYS REMAIN CONSTANT (25%). UNIT SHALL HAVE TURNDOWN RATIO OF 25:1 WITH TOTAL CONTROL BETWEEN HIGH AND LOW FIRE AND + 0.20 DEGREE F. GAS TEMPERATURE CONTROLS ACCURACY. UNIT SHALL BE PROVIDED WITH EVAPORATIVE COOLING MODULE, MODEL NUMBER AS SHOWN. EVAPORATIVE COOLING MODULE SHALL BE 90 PERCENT EFFICIENT AND SHALL INCLUDE 12" MEDIA CELDEK, MOISTURE ELIMINATION PAD, AUTOMATIC FILL AND DRAIN KIT, THERMALLY PROTECTED WATER PUMP, ELECTRICAL MOTOR PUMP PROTECTION FLOAT SWITCH, FLOAT VALVE AND BLEED LINE, OVERFLOW AND DRAIN CONNECTIONS, 300 STAINLESS STEEL WATER RESERVOIR, WEATHERIZED CABINET WITH MESH INTAKE SCREEN AND MEDIA FACE AREA AS SHOWN. EVAPORATIVE COOLING MODULE PUMP SHALL BE 1/70 HP, 0.92A, 85W, 115V, 1 PHASE AND SHALL HAVE INTEGRAL TERMINAL BLOCK WIRING. UNIT TO MEET IRI INSURANCE REQUIREMENTS AND ETL APPROVED AND SHALL BE DOUBLE-WALL METAL CONSTRUCTION. NOTE: UNIT SHALL HAVE SINGLE POINT CONNECTION IN AN ENCLOSED COMPARTMENT MOUNTED ON UNIT. UNIT SHALL BE PROVIDED WITH OUTDOOR AIR FILTER CABINETS WITH 1" FILTERS AND PREFABRICATED FULL CURB (I.E. MAKE-UP AIR UNIT AND COOLING MODULE ON ONE CURB). UNIT SHALL BE REZNOR OR APPROVED SUBSTITUTION. CONTRACTOR IN CONJUNCTION WITH MANUFACTURER AND CONTROLS CONTRACTOR SHALL LOCATE REMOTE SELECTRASTAT AND REMOTE CONTROL PANEL WITH METAL LOCKING COVERS IN SPACE SERVED. PRESSURE SENSOR AND TUBING TO BE LOCATED BY MANUFACTURER AND INSTALLED BY THIS CONTRACTOR.

SYMBOL	MODEL	INPUT MBH(SL)	CFM	TSP	HP	VOLT/PH
MAU-1	RDF-1-40	600	4,400	1.0	5	208/3
MAU-1A	RDF-1-40	600	4,400	1.0	5	208/3
MAU-2	RDF-1-50	750	4,550	1.2	5	208/3
MAU-3	RDF-1-50	750	5,000	1.2	5	208/3

NOTE: MAU-1A IS PART OF ALTERNATE NUMBER 4.

EVAPORATIVE COOLING MODULE:

SYMBOL	MODEL	MINIMUM MEDIA FACE	PUMP HP	AMPS	VOLT/PH
MAU-1	REC50	24" X 32"	1/70	0.92	120/1
MAU-2	REC70	24" X 45"	1/70	0.92	120/1
MAU-3	REC70	24" X 45"	1/70	0.92	120/1

EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
EF-1 THRU EF-7	EXHAUST FAN: CENTRIFUGAL TYPE ROOF EXHAUSTER WITH SPUN ALUMINUM HOUSING, ALUMINUM CURB CAP, STAINLESS STEEL FASTENINGS, PRE-LUBRICATED BALL BEARING DRIVE, VIBRATION ISOLATORS, ALL ALUMINUM WHEEL AND HUB DYNAMICALLY AND STATICALLY BALANCED, BELT DRIVE, BACKDRAFT DAMPER, BIRDSCREEN, INTERLOCKING RELAY, (NEMA 3R) ALUMINUM WIRING POST, PREFABRICATED SOUND CURB AND WIRING TO JUNCTION BOX. UNIT SHALL BE GREENHECK OR APPROVED SUBSTITUTION.

SYMBOL	MODEL	CFM	SP	HP	FRPM	VOLT/PH	REMARK
EF-1	GB-240	4180	.375	1/4	612	120/1	
EF-1A	GB-240	4180	.375	1/4	612	120/1	PART OF ALT. #4
EF-2	CUBE-300	3700	.5	3/4	471	120/1	
EF-3	CUBE-130	660	.375	1/4	932	120/1	
EF-4	CUBE-240	2800	.5	3/4	593	120/1	
EF-5	CUBE-130	800	.625	1/4	1198	120/1	
EF-6A	GB-120	1000	.375	1/4	1116	120/1	PART OF ALT. #4
EF-7	GB-70	100	.375	1/4	1070	120/1	

SYMBOL	DESCRIPTION
EC-1	EVAPORATIVE COOLER: DRIP TYPE EVAPORATIVE COOLER SIDE DISCHARGE TYPE, COMPLETE WITH CABINET, FILTER PAD FRAMES, BLOWER WHEEL, HOUSING, MOTOR, WATER DISTRIBUTION TROUGH, FLOAT VALVE, RECIRCULATING WATER PUMP AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING SYSTEM. THE CABINET SHALL BE CONSTRUCTED OF HEAVY GAUGE HOT DIPPED GALVANIZED STEEL WITH ALL SUPPORTS OF WELDED CONSTRUCTION. THE ENTIRE WATER RESERVOIR SHALL BE COATED WITH A PROTECTIVE ASPHALT COATING. COOLER EXTERIOR SHALL BE FINISHED WITH A FACTORY APPLIED ENAMEL FINISH. BLOWER MOTOR SHALL BE SPECIFICALLY DESIGNED FOR USE IN EVAPORATIVE COOLER APPLICATION WITH BEARINGS PERMANENTLY LUBRICATED AND SHALL BE FURNISHED WITH AN ADJUSTABLE SHEAVE. RECIRCULATING WATER PUMP SHALL HAVE PERMANENTLY LUBRICATED BRONZE BEARINGS, WATERPROOF INSULATION AND WATER SHIELD CAP. FURNISH WITH FIELD FABRICATED ROOF CURB. UNIT SHALL BE PHOENIX OR APPROVED SUBSTITUTION.

SYMBOL	MODEL	CFM	ESP	HP	VOLT/PH	SPEED
EC-1	H-7800	4000	.50	1/2	120/1	2

SYMBOL	DESCRIPTION
UH-1A	UNIT HEATER: HORIZONTAL AIR FLOW, PROPELLER TYPE, SINGLE STAGE GAS FIRED UNIT HEATER COMPLETE WITH STEEL HEAT EXCHANGER, DIRECT DRIVE FAN, ADJUSTABLE HORIZONTAL LOUVERS, GAS CONTROLS, FAN AND LIMIT CONTROLS, FAN GUARDS, HANGING BRACKET KIT, ELECTRIC THERMOSTAT WITH SUB-BASE FOR INTERMITTENT FAN OPERATION AND ALL ACCESSORIES FOR A COMPLETE OPERATING UNIT. UNIT SHALL BE REZNOR OR APPROVED SUBSTITUTION. PART OF ALTERNATE #2.

SYMBOL	MODEL	CFM	BTUH(SL)	HP	VOLT/PH
UH-1	FE-25	380	25,000	1/50	120/1

SYMBOL	DESCRIPTION
RH-1 AND RH-2	RELIEF/INTAKE HOOD: RECTANGULAR TYPE, FOR AIR EXHAUST ALL ALUMINUM CONSTRUCTION, LOW SILHOUETTE WITH INTEGRAL CURB CAP COMPLETE WITH BIRD SCREEN, BACKDRAFT DAMPER, FACTORY FURNISHED PREFAB ROOF CURB, INSULATION ON COVER. NECK SIZE AS SHOWN ON PLANS NOT TO EXCEED 0.085" WG AIR PD. UNIT SHALL BE GREENHECK OR APPROVED SUBSTITUTION. IH-1 IS PART OF ALTERNATE #2.
CD-1	CEILING DIFFUSER: 24 X 24 LOUVERED FACE DIFFUSER, STEEL WITH REMOVABLE CORE, FRAME TYPE 3 FOR LAY-IN CEILING, WHITE ENAMEL FINISH, ROUND NECK, FOUR-WAY THROW PATTERN. MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. TITUS TMS OR APPROVED SUBSTITUTION.
CD-2	CEILING DIFFUSER: 24 X 24 LOUVERED FACE DIFFUSER, STEEL WITH REMOVABLE CORE, FRAME TYPE ___ FOR SURFACE MOUNTING, WHITE ENAMEL FINISH, ROUND NECK, FOUR-WAY THROW PATTERN. MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. TITUS TMS OR APPROVED SUBSTITUTION.

DIFFUSER NECK SIZE	CFM RANGE	DIFFUSER NECK SIZE	CFM RANGE
6" DIA	0 - 120	12" DIA	331 - 470
8" DIA	121 - 210	14" DIA	471 - 640
10" DIA	211 - 330	15" DIA	641 - 735

SYMBOL	DESCRIPTION
EG-1	EXHAUST GRILLE: 24 X 24 EGGCRATE GRILLE, 1/2" X 1/2" X 1" GRID, ALUMINUM CONSTRUCTION, FRAME TYPE 3 FOR LAY-IN CEILING, WHITE ENAMEL FINISH. TITUS 50F OR APPROVED SUBSTITUTION.
RG-1	RETURN GRILLE: 24 X 24 EGGCRATE GRILLE, 1/2" X 1/2" X 1" GRID, ALUMINUM CONSTRUCTION, FRAME TYPE ___ FOR SURFACE MOUNTING WITH OPPOSED BLADE DAMPER, WHITE ENAMEL FINISH. TITUS 50F OR APPROVED SUBSTITUTION.
ER-1	EXHAUST REGISTER: 32 X 10 EGGCRATE GRILLE, 1/2" X 1/2" X 1" GRID, ALUMINUM CONSTRUCTION, FRAME TYPE ___ FOR SURFACE MOUNTING WITH OPPOSED BLADE DAMPER, WHITE ENAMEL FINISH. TITUS 50F OR APPROVED SUBSTITUTION.
SG-1	SUPPLY REGISTER: DOUBLE DEFLECTION REGISTER, ALL ALUMINUM CONSTRUCTION, FRONT BLADES VERTICAL, 3/4" BLADE SPACING, OPPOSED BLADE DAMPER, SPONGE RUBBER GASKET, WHITE ENAMEL FINISH. MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. TITUS MODEL 300 OR APPROVED SUBSTITUTION.
EG-2	EXHAUST GRILLE: SAME AS EG-1 BUT WITH A 12 x 12 FACE SIZE.

FIXTURE SCHEDULE

SYMBOL	DESCRIPTION
HS	HAND SINK: AMERICAN STANDARD "LUCERNE" 0355.012 VITREOUS CHINA LAVATORY WITH BACK, SPLASH LIP, FRONT OVERFLOW, DRILLED FOR ZURN-Z-1231 FLOOR SUPPORTED CARRIER WITH CONCEALED ARMS, ROYAL BRASS M-906-AW FAUCET WITH 1/2 GPM FLOW RESTRICTOR, 4" WRIST BLADES AND 39-400 DRAIN WITH PERFORATED STRAINER, CHROME PLATED CAST BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, AND CHROME PLATED CODE APPROVED ADJUSTABLE "P" TRAP WITH WASTE TO WALL, LAVATORY SIZE 20" X 18". INSTALL FOR WHEELCHAIR USE. TRAP 1-1/4" VENT 1-1/2" CW 1/2" HW 1/2"
EWC	ELECTRIC WATER COOLER: SUNROC HCWC-8 WALL HUNG UNIT, CHROME PLATED BUBBLER, SELF CLOSING PUSH BAR, AUTOMATIC STREAM REGULATOR, CAPABLE OF DELIVERING 7.5 GPM OF 50 F WATER AT A ROOM TEMPERATURE OF 90 F WITH 1/4 HP. COMPRESSOR, ALL ACCESSORIES FOR A COMPLETE OPERATING UNIT, CHROME PLATED CAST BRASS ANGLE SUPPLY WITH LOOSE KEY STOP, CHROME PLATED CODE APPROVED ADJUSTABLE "P" TRAP WITH WASTE-TO-WALL. INSTALL AT HANDICAP HEIGHT UNLESS OTHERWISE NOTED. TRAP 1-1/4" VENT 1-1/2" CW 1/2" HW --
SK	SINK: ELKAY "CELEBRITY" GECR-2521-L SINGLE COMPARTMENT SHALLOW SINK, 20 GAUGE TYPE 302 STAINLESS STEEL, SELF RIMMING, UNDERSIDE UNDERCOATED, THREE FAUCET HOLES, LK-232-S-BH-5 WRIST BLADE HANDLE FAUCET WITH GOOSENECK SWING SPOUT AND AERATOR, LK-35 DUO STRAINER WITH 1-1/2" TAILPIECE, CHROME PLATED CAST BRASS ANGLE SUPPLIES WITH WHEEL HANDLE STOPS, CHROME PLATED CODE APPROVED ADJUSTABLE "P" TRAP WITH WASTE TO WALL, SINK SIZE 25" X 21" X 5.3" DEEP. INSULATE ALL WATER PIPING AND TRAP BELOW SINK WITH TRAP WRAP, KIT NUMBER 500R. TRAP 1-1/2" VENT 1-1/2" CW 1/2" HW 1/2"
RD	ROOF DRAIN: ZURN Z-100ECR, CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD, POLY-DOME, EXTENSION, ROOF SUMP RECEIVER AND UNDERDECK CLAMP. SIZE AS SHOWN ON DRAWINGS.
DS	DOWNSPOUT NOZZLE: ZURN ZANB-199, PLAIN BRONZE BODY, THREADED INLET AND WALL FLANGE. SIZE AS SHOWN ON DRAWINGS.
CP-1	CIRCULATING PUMP: ALL BRONZE CONSTRUCTION, CARTRIDGE TYPE. IN LINE PUMP CAPABLE OF 10 GPM AGAINST 10 FOOT HEAD WITH 1/40 HP, 120V, SINGLE PHASE MOTOR, TACO MODEL 006B.
CD	CORNICE DRAIN: ZURN ZRB-180, COATED CAST IRON BODY, BRONZE DOME AND MEMBRANE FLASHING CLAMP. SIZE AS SHOWN ON DRAWINGS.
HB	HOSE BIBB: NIBCO FIGURE #63VB OR 763VB FOR GALVANIZED OR COPPER PIPING WITH VACUUM BREAKER. TRAP -- VENT -- CW 3/4" HW --
HB-1	HOSE BIBB: ZURN Z-1350-5 ENCASED WALL HYDRANT WITH VACUUM BREAKER, BRONZE BODY, STAIN. LESS STEEL BOX AND HINGED COVER WITH OPERATING KEY LOCK.
WH	WALL HYDRANT: ZURN Z-1310 NON-FREEZE, "ANTI-SIPHON", WITH STAINLESS STEEL FACE, BRONZE CASING, ALL BRONZE INTERIOR PARTS AND REMOVABLE KEY. TRAP -- VENT -- CW 3/4" HW --
FS	FLOOR SINK: ZURN-Z-1901-12 X 12 X 8, CAST IRON, ACID RESISTING ENAMEL INTERIOR AND TOP, ALUMINUM DOME STRAINER AND NICKEL BRONZE TOP, GRATE AS NOTED ON DRAWINGS. TRAP 3" VENT 2" CW -- HW --
FD	FLOOR DRAIN: ZURN-Z-507-P, 7" MEDIUM DUTY DRAIN, CAST IRON BODY WITH CAST IRON SLOTTED GRATE, CLAMPING COLLAR, VANDALPROOF SCREWS, TRAP PRIMER CONNECTION. TRAP 3" VENT 2" CW -- HW --
FD-1	FLOOR DRAIN: ZURN-Z-512, HEAVY DUTY DRAIN, CAST IRON BODY AND FLASHING COLLAR WITH CAST IRON TRACTOR GRATE, SQUARE TOP, VANDALPROOF TOP, SEDIMENT BUCKET AND REMOVAL COVER PLATE. TRAP 4" VENT 2" CW -- HW --
FCO	FLOOR CLEANOUT: ZURN-Z-1400-BP CAST IRON C.O., WITH ROUND SCORIATED TOP.
WCO	WALL CLEANOUT: ZURN-Z-1446-BP CAST IRON C.O. TEE WITH BRASS PLUG AND ROUND STAINLESS STEEL ACCESS COVER WITH VANDALPROOF SCREW.
BFP-1 AND BFP-2	BACKFLOW PREVENTER: FOR 3/4" TO 2" SIZE PIPING SHALL BE REDUCED PRESSURE DEVICE CONSISTING OF TWO INDEPENDENTLY OPERATING, CENTER GUIDED, SPRING LOADED, "Y" PATTERN CHECK VALVES AND ONE HYDRAULICALLY DEPENDENT DIFFERENTIAL PRESSURE RELIEF VALVE. UNIT SHALL BE FULL LINE SIZE. PRESSURE DROP SHALL NOT EXCEED 10 PSI AT ANY FLOW UP TO 7.5 FPS PIPELINE VELOCITY. UNIT SHALL BE FEBCO MODEL 825Y OR APPROVED EQUAL.
MB	MOP BASIN: FIAT MODEL MSB 2424, SIZE 24" X 24" X 10" DEEP, CONSTRUCTED OF MOLDED STONE, UNIT SHALL HAVE 10" HIGH WALLS, NOT LESS THAN 1" WIDE SHOULDERS, COMPLETE WITH NO. 874 DRAIN BODY WITH LOCKNUT, NEOPRENE GASKETS AND COMBINATION DOME STRAINER-LINT BASKET CONSTRUCTED OF 302 16-GAUGE STAINLESS STEEL, #830-AA SUPPLY FITTING WITH VACUUM BREAKER, INTEGRAL STOP, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT AND #899-CC MOP HANGER. TRAP 3" VENT 2" CW 1/2" HW 1/2"
F-1	FAUCET: CHICAGO FAUCET NO.445 CHROME PLATED CAST BRASS 6" SWING SPOUT FAUCET WITH NO. 369 HANDLES, 3 GPM AERATOR, 4" TO 8" ADJUSTABLE CENTERS, "H" SUPPLY ARMS WITH UNION NUTS, BODY INLETS ON 3" CENTERS.
WH-1	WATER HEATER: A.O. SMITH MODEL BTC-197, TANK SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASME CODE, U.L. APPROVED, TANK LINING, INSULATED WITH HIGH DENSITY FIBERGLASS INSULATION, UNIT SHALL INCLUDE ALL STANDARD EQUIPMENT AND A.G.A. CERTIFIED AUTOMATIC GAS SHUTOFF, UNIT SHALL BE 100 GALLON STORAGE, WITH 191 G.P.H. RECOVERY AT 90 DEGREE RISE WITH 197,000 BTUH SEA LEVEL INPUT, COMPLETE WITH ASME TEMPERATURE WITH PRESSURE RELIEF VALVE. WATER HEATER SHALL COME COMPLETE WITH A MODEL ST-12 PRESSURIZED DIAPHRAGM-TYPE EXPANSION TANK. UNIT SHALL BE DESIGNED FOR USE WITH DOMESTIC HOT WATER, STAINLESS STEEL CONSTRUCTION. INSTALLATION AS SHOWN ON THE DRAWINGS AND SHALL BE DESIGNED FOR MAX WORKING PRESSURE OF 125 PSI AT 240 DEGREES F, INITIAL CHARGE PRESSURE SHALL BE 55 PSI. UNIT SHALL HAVE A TANK CAPACITY OF 4.4 GALLONS WITH AN ACCEPTANCE CAPACITY OF 2.4 GALLONS. TANK SHALL BE MANUFACTURED BY AMTROL OR APPROVED EQUAL.

SEQUENCE OF CONTROL

BOILER (B-1), PUMP (P-B1) AND HEATING WATER PUMPS (P-1 AND P-2):
OUTDOOR AIR THERMOSTAT RUNS HW PUMP (P-1 OR P-2) BELOW 65 DEG. F (ADJUSTABLE) AND HEATING WATER FLOW ALLOWS BOILER AND PUMP (P-B1) OPERATION THROUGH FLOW SWITCH AND PACKAGE CONTROLS/CONTROL PANEL TO MAINTAIN 180 DEG. F (ADJUSTABLE) HWS TEMPERATURE. UPON SHUTDOWN, OUTDOOR AIR TEMPERATURE RISING ABOVE 65 DEG. F, BOILER AND PUMP (P-B1) SHALL BE DISABLED AND HEATING WATER PUMP SHALL ALSO BE DISABLED. A HEATING WATER PUMP SEQUENCER SHALL ACTIVATE THE STANDBY PUMP (P-1 OR P-2) THROUGH A DIFFERENTIAL PRESSURE SWITCH AND A TIME DELAY RELAY WHENEVER THE OPERATING PUMP (P-1 OR P-2) FAILS. EMERGENCY BOILER SHUT OFF SWITCH SHALL BE PROVIDED WITHIN VIEW OF BOILER AND CLEARLY LABELED FOR COMPLETE BOILER SHUT DOWN.

HEATING MANIFOLD/ZONE CONTROL VALVE (HM-1 THRU HM-3):
HEATING MANIFOLD THREE-WAY CONTROL VALVE LOCATED WITH THE HEATING MANIFOLD SHALL BE CONTROLLED FROM AN ELECTRIC THERMOSTAT(S). ZONE CONTROL VALVE(S) IN HEATING MANIFOLDS SHALL BE CONTROLLED FROM AN ELECTRIC THERMOSTAT(S). HEATING WATER SHALL FLOW THROUGH THE THREE-WAY CONTROL VALVE AND HEATING MANIFOLD ZONE CONTROL VALVE(S) WHENEVER THE TEMPERATURE DROPS BELOW THE SETPOINT TEMPERATURE OF THE THERMOSTAT(S). (WIRE ZONE VALVES IN PARALLEL WITH ITS RESPECTIVE MECHANICAL ROOM CONTROL VALVE.)

THREE-WAY CONTROL VALVE:
THREE-WAY CONTROL VALVE SHALL BE CONTROLLED BY A WATER TEMPERATURE SENSOR/CONTROLLER TO DELIVER A CONSTANT 115 DEG. F (ADJUSTABLE) HEATING WATER TEMPERATURE TO THE HEATING MANIFOLDS/UNDERFLOOR PIPING.

EXHAUST FAN (EF-1, EF-1A, EF-2 THROUGH EF-5):
UNIT FAN SHALL BE INTERLOCKED TO RUN WHENEVER THE SUPPLY FAN OF THE MAKE-UP AIR UNIT IS RUNNING. AN OVERRIDE PUSH-BUTTON TIMED SWITCH (0-6 HOURS) SHALL BE PROVIDED TO CONTROL EXHAUST FAN INDEPENDENTLY OF THE MAKE-UP AIR UNIT.

EXHAUST FAN (EF-6A):
A PUSH-BUTTON TIMER (0-6 HOURS) SHALL BE INSTALLED IN THE SPACE TO CONTROL .

EXHAUST FAN (EF-7):
CONTINUOUS OPERATION.

EVAPORATIVE COOLER (EC-1):
CONNECT TO EXISTING EVAPORATIVE COOLER CONTROLS.

MAKE-UP AIR UNIT (MAU-2 AND MAU-3):
THE UNIT SHALL BE CONTROLLED FROM A CONTROL COMPARTMENT LOCATED IN THE UNIT AND A REMOTE CONSOLE WITH A REMOTE SELECTRASTAT. THE REMOTE CONSOLE SHALL HAVE AN ON/AUTO/OFF CONTROL SWITCH, HEAT/VENT/COOL/AUTO/SYSTEM SWITCH AND BURNER ON/BLOWER ON/COOL ON INDICATOR LIGHTS. THE REMOTE CONSOLE SHALL BE LOCATED IN SPACE SERVED. IN CONTROL "ON" POSITION, SUPPLY FAN SHALL RUN CONTINUOUSLY. IN CONTROL OFF POSITION, SUPPLY FAN SHALL NOT RUN, AND NEITHER UNIT HEATING (BURNER) OR UNIT COOLING (EVAPORATIVE COOLING MODULE) SHALL ENERGIZE. IN CONTROL "AUTO" POSITION, DURING OCCUPIED MODE THE FAN SHALL RUN CONTINUOUSLY AND THE UNIT HEATING AND COOLING SHALL SEQUENCE TO MAINTAIN SET POINT TEMPERATURE. IN CONTROL "AUTO" POSITION, DURING UNOCCUPIED MODE THE FAN SHALL RUN ON CALL FOR HEATING OR COOLING. INSTALL A SEVEN DAY PROGRAMMABLE TIMECLOCK WITH BATTERY BACKUP TO CONTROL SETBACK PERIODS. IN THE SYSTEM "HEAT" POSITION, THE UNIT HEATING (BURNER) SHALL ENERGIZE FOR THERMOSTAT CONTROL. IN SYSTEM "COOL" POSITION, THE UNIT COOLING (EVAPORATIVE COOLING MODULE) SHALL ENERGIZE. IN SYSTEM "VENT" POSITION, NEITHER UNIT HEATING NOR COOLING SHALL ENERGIZE. THE SYSTEM WILL UTILIZE A DISCHARGE AIR TEMPERATURE SENSOR AND A REMOTE SELECTRASTAT. THE SPACE TEMPERATURE WILL BE SET AT THE SELECTRASTAT AND THE LOW AND HIGH LIMITS OF THE DISCHARGE AIR TEMPERATURE WILL BE SET AT THE AMPLIFIER IN THE CONTROL COMPARTMENT. AN ADJUSTABLE OUTSIDE AIR CONTROLLER WHICH SENSES THE TEMPERATURE OF THE OUTDOOR AIR SHALL SHUT-OFF THE BURNER WHENEVER THE OUTDOOR AIR EXCEEDS THE SET POINT TEMPERATURE. A MINIMUM 25 PERCENT OF THE RATED AIR VOLUME SHALL FLOW OVER THE BURNER TO MAINTAIN CONSTANT BURNER VELOCITY. A SUPPLY AIR SMOKE DETECTOR AND A SPACE AIR SMOKE DETECTOR SHALL SHUT THE UNIT DOWN WHENEVER A PRODUCT OF COMBUSTION IS DETECTED.

MAKE-UP AIR UNITS/EXHAUST FANS INTERLOCK SCHEDULE:

MAKE-UP AIR UNIT	EXHAUST FAN(S)
MAU-1	EF-1*
MAU-1A	EF-1A*
MAU-2	EF-4*
MAU-3	EF-2*, EF-3*, & EF-5

REMARKS
* OCCUPIED OR UNOCCUPIED MODE

LABELING NOTE: ALL EQUIPMENT, CONTROL DEVICES AND OTHER ITEMS SHALL BE LABELED. REFER TO FLOOR PLANS AND EQUIPMENT SCHEDULES FOR LABELING DESIGNATIONS FOR MAKE-UP AIR UNITS, EVAPORATIVE COOLERS, RELATED EQUIPMENT, FANS, VALVES, ETC.

CONTROL PANEL NOTE: THE CONTROLS CONTRACTOR SHALL BE REQUIRED TO LOCATE THE CONTROL ITEMS. THESE INCLUDE, BUT NOT LIMITED, TO THE FOLLOWING ITEMS:

1. MAKE-UP AIR UNIT CONTROL PANEL – LOCATED IN ROOM SERVED SHOWING THE PANEL MOUNTED CONTROLS FOR AIR HANDLER FAN SWITCH, AIR HANDLER FAN SPEED SWITCH, AIR WASHER PUMP SWITCH, ETC. (PANEL SHALL BE RECESSED IN WALL).
2. INDIVIDUAL UNIT CONTROL PANELS – LOCATED AT EACH ROOFTOP MAKE-UP AIR UNIT SHOWING PANEL MOUNTED CONTROLS FOR EXHAUST FAN SWITCHES, MIXED AIR TEMPERATURE GAUGE, DISCHARGE AIR TEMPERATURE GAUGE, SWITCH FOR AIR WASHER, LOW TEMPERATURE THERMOSTAT, ETC.

THE CONTROLS CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PROPOSED CONTROL PANEL LAY-OUTS FOR EACH OF THE ABOVE MENTIONED TYPES OF PANELS FOR APPROVAL PRIOR TO INSTALLATION.

3. THE MAKE-UP AIR UNIT CONTROL PANEL SHALL BE COMPLETELY FURNISHED AND INSTALLED BY THE CONTROLS CONTRACTOR OR FACTORY FURNISHED AND INSTALLED BY THE CONTROLS CONTRACTOR. THE PANEL SHALL BE FACTORY WIRED AND SHALL CONTAIN ALL REQUIRED COMPONENTS INCLUDING SWITCHES, RELAYS, GAUGES, LIGHTS, ETC. ALL TERMINATIONS FOR EXTERIOR PANEL CONNECTIONS SHALL BE MADE ON BARRIER TERMINAL STRIPS AT BOTTOM OF THE CABINET. ALL TERMINAL POINTS SHALL BE IDENTIFIED WITH TAGS AND A POSTED LEGEND. SHOP DRAWINGS OF CONTROL CABINET SHALL BE SUBMITTED AND APPROVAL MUST BE RECEIVED PRIOR TO FABRICATION.
4. ALL PILOT LIGHTS SHALL BE TRANSFORMED "PUSH-TO-TEST" TYPE SQUARE "D" NO. KT-1R6 OR NO. KT-1G6.
5. ALL TAGS (AIR WASHER, OFF, AUTO, ROOM NUMBERS, FAN SPEED, SWITCHES, ETC.) AT MAKE-UP AIR UNIT CONTROL PANEL AND AT INDIVIDUAL UNIT CONTROL PANELS SHALL BE GLUED AND POP-RIVETED MICARTA TAGS (NO SCREWS).

CONTROL PANEL NOTES: THE CONTROLS CONTRACTOR SHALL BE REQUIRED TO LOCATE, FURNISH AND INSTALL THE HEATING SYSTEMS CONTROL PANELS.

1. HEATING SYSTEM CONTROL PANEL – LOCATED IN MECHANICAL ROOM SHOWING THE PANEL MOUNTED CONTROLS FOR BOILER SYSTEM SWITCH, PUMPS ON/OFF/AUTO SWITCHES, TEMPERATURE GAUGES AND SCHEDULES.

GENERAL CONTROLS AND INSTRUMENTATION NOTES:

1. ALL CONTROLS SHALL BE ELECTRIC/ELECTRONIC CONTROLS.
2. CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUITS, WIRING, CONTACTORS, STARTERS, SWITCHES, CONTROL VALVES, THERMOSTATS, CONTROL PANELS, ETC.
3. CONTROLS CONTRACTOR SHALL BE TOTALLY RESPONSIBLE TO MEET THE SEQUENCES OF CONTROL AND ALL RELATED CONTROLS CALLED OUT ON THE PLANS.
4. CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL ALL CONTROL WIRING (HIGH AND LOW VOLTAGE).
5. ALL CONTROL WIRING SHALL BE RUN IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 1/2".
6. CONTROLS CONTRACTOR SHALL BE TOTALLY RESPONSIBLE IN MEETING SPECIFICATION SECTIONS 15900 AND 15902.

SYMBOL LEGEND

LEGEND (COMMON)

ABBR.	SYMBOL	DESCRIPTION
		EQUIPMENT DESIGNATION
		KEYED NOTES – DEMOLITION
		KEYED NOTES – NEW WORK
DIA	Ø	DIAMETER
GPM		GALLONS PER MINUTE
DN		DOWN
CLG		CEILING
TYP		TYPICAL
MTD		MOUNTED
MBH		THOUSAND BTUS PER HOUR
HP		HORSEPOWER
W/		WITH
W/O		WITHOUT
AFF, BFF		ABOVE, BELOW FINISH FLOOR

CONTROLS LEGEND

ABBR.	SYMBOL	DESCRIPTION
T'STAT	Ⓣ	THERMOSTAT
OA		OUTSIDE AIR

PLUMBING LEGEND

ABBR.	SYMBOL	DESCRIPTION
		VALVE IN RISER
MAV		MANUAL AIR VENT
THERM		THERMOMETER
PG		PRESSURE GAUGE
FD		FLOOR DRAIN

SYMBOL LEGEND

PLUMBING LEGEND

ABBR.	SYMBOL	DESCRIPTION
FS	⊠	FLOOR SINK
CAP		CAP ON END OF PIPE
POC		POINT OF CONNECTION
CO, WCO		CLEANOUT, WALL CLEANOUT
GCO, FCO		GRADE, FLOOR CLEANOUT
RD, OFD	◎ ◎	ROOF DRAIN, OVERFLOW DRAIN
RD, OFD		ROOF DRAIN, OVERFLOW DRAIN
WHYD		WALL HYDRANT
YD	□	YARD HYDRANT
GV W/HB		GATE VALVE W/ HOSE BIBB CONNECTION
FSW	FS	FLOW SWITCH
PGC		PRESSURE GAUGE W/ GAUGE COCK
AV	AV	AUTOMATIC AIR VENT
		RISER DOWN
		RISER UP
		DROP
		RISER UP
		BRANCH – TOP CONNECTION
		BRANCH – BOTTOM CONNECTION
		BRANCH – SIDE CONNECTION
HB		HOSE BIBB
WH		WATER HEATER
EWC		ELECTRIC WATER COOLER
FP	—FP—	FIRE PROTECTION
W	—W—	WATER LINE
TW	—TW—	TEMPERED WATER
CW		COLD WATER LINE

SYMBOL LEGEND

PLUMBING LEGEND

ABBR.	SYMBOL	DESCRIPTION
HW		HOT WATER LINE
RHW		CIRCULATING HOT WATER
V		VENT PIPING
S	—S—	SOIL OR WASTE LINE
IW	—IW—	INDIRECT WASTE
G	—G—	GAS – LOW PRESSURE
MG	—MG—	GAS – MEDIUM PRESSURE
D	—D—	DRAIN LINE
SS	---SS---	STORM DRAIN BELOW GRADE
SS	—SS—	STORM DRAIN ABOVE GRADE
RDL	—RDL—	ROOF DRAIN LEADER
OFL	—OFL—	OVER FLOW DRAIN LEADER
VTR	⊙	VENT THRU ROOF
GV		GATE VALVE
GL		GLOBE VALVE
CV		CHECK VALVE
PV		PLUG VALVE
TCV-3		CONTROL VALVE (THREE-WAY)
TCV-2		CONTROL VALVE (TWO-WAY)
P & TR		RELIEF VALVE
PRV		PRESSURE REDUCING VALVE
BFV		BUTTERFLY VALVE
NV		NEEDLE VALVE
BV		BALL VALVE
FCV		CIRCUIT SETTER VALVE
STR		STRAINER
UN		UNION

SYMBOL LEGEND

SINGLE LINE DUCTWORK

ABBR.	SYMBOL	DESCRIPTION
	20/12	RIGID DUCTWORK – FIRST FIGURE IS SIDE SHOWN
		FLEXIBLE DUCTWORK
		DUCT TRANSITION
SA	⊠	CEILING SUPPLY AIR OUTLET
RA/EH		CEILING RETURN OR EXHAUST AIR INLET
SA		SIDEWALL SUPPLY AIR OUTLET
RA		SIDEWALL RETURN OR EXHAUST AIR INLET
FC		FLEXIBLE CONNECTION
FD		FIRE DAMPER
MVD		MANUAL VOLUME DAMPER
SD		SPLITTER DAMPER
AD		ACCESS DOOR (SIZE SHOWN)
UH		UNIT HEATER
OBD		OPPOSED BLADE DAMPER
PBD		PARALLEL BLADE DAMPER
CFM		CUBIC FEET PER MINUTE
EAT, LAT		ENTERING, LEAVING AIR TEMPERATURE
WB, DB		WET, DRY BULB TEMPERATURE
FPM		FEET PER MINUTE
RPM		REVOLUTIONS PER MINUTE
"WC		INCHES OF WATER COLUMN
TSP		TOTAL STATIC PRESSURE
ΔP		PRESSURE DROP, PRESSURE DIFFERENCE
ESP		EXTERNAL STATIC PRESSURE

SYMBOL LEGEND

DOUBLE LINE DUCTWORK

ABBR.	SYMBOL	DESCRIPTION
	20/12	RIGID DUCTWORK – FIRST FIGURE IS SIDE SHOWN
		FLEXIBLE DUCTWORK
		DUCT TRANSITION
		SUPPLY AIR DUCT UP
		RETURN OR EXHAUST DUCT UP
		SUPPLY DUCT DOWN
		RETURN OR EXHAUST DUCT DOWN
		CEILING SUPPLY AIR OUTLET
		CEILING SUPPLY AIR OUTLET
RA/EH		CEILING RETURN OR EXHAUST AIR INLET
SA		SIDEWALL SUPPLY AIR OUTLET
RA/EH		SIDEWALL RETURN OR EXHAUST AIR INLET

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

APPROVED — Design Review Committee — DEC 29 1997 — DESIGN REVIEW COMMITTEE

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

City Project No.	Zone Map No.	Sheet	Of
5219.90	K-20	29	33

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REGISTERED PROFESSIONAL ENGINEER — STATE OF NEW MEXICO — No. 6429 — JAMES O. COUPLAND — 12/19/97

revisions:

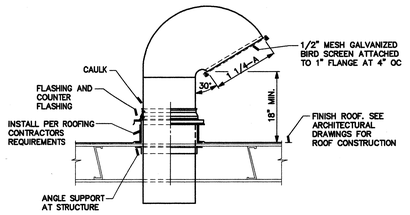
proj. no.: 195836
acad file:
date: 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title: MP1_1.DWG

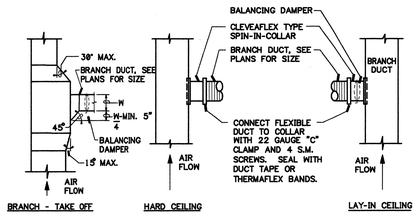
SYMBOL LEGEND, FIXTURE AND EQUIPMENT SCHEDULES

MP1.1



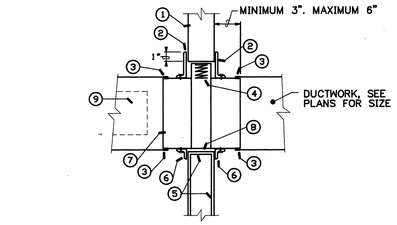
GOOSENECK DETAIL

SCALE: NONE



DUCT CONNECTION DETAIL

SCALE: NONE

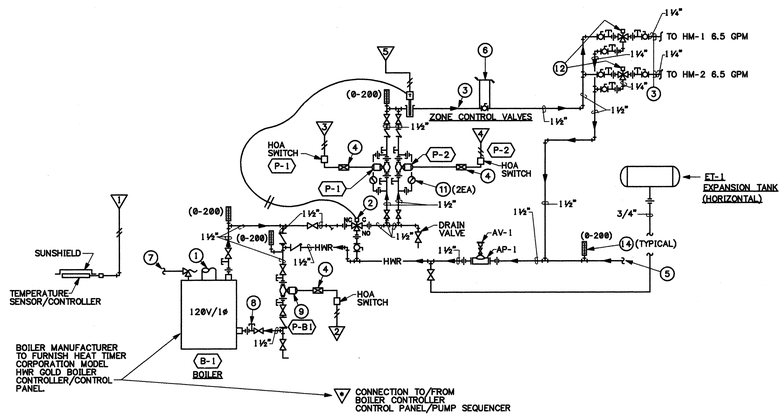


KEYED NOTES

1. FIRE RATED WALL, CMU OR CONCRETE.
2. HEIGHT AS REQUIRED WITH 1" LAP X 2" X 1/8" RETAINING ANGLE ON TOP, BOTH SIDES OF WALL, SECURE TO SLEEVE WITH 1/2" WELDS OR 1/4" BOLTS AND NUTS 8" ON CENTER, STARTING 2" FROM END.
3. BREAK-A-WAY JOINT.
4. FIRE DAMPER, CURTAIN TYPE, SEE SPECIFICATIONS FOR REQUIREMENTS.
5. FIRE RATED WALL, WOOD OR METAL STUD, PROVIDE FIRE RATED MATERIAL AROUND INSIDE OF ENTIRE OPENING.
6. 2"X2"X1/8" RETAINING ANGLE, ON BOTTOM AND TWO SIDES, BOTH SIDES OF WALL, SECURED TO SLEEVE WITH 1/2" WELDS OR 1/4" BOLTS AND NUTS 8" ON CENTER, STARTING 2" FROM END, ANGLE SHALL LAP OPENING 1" ALL AROUND.
7. MINIMUM 16 GAUGE SLEEVE, IF DUCT EXCEEDS 24" HIGH AND 36" WIDE MINIMUM 14 GAUGE SLEEVE SHALL BE USED.
8. EXPANSION CLEARANCE AROUND SLEEVE, MINIMUM 1/8" PER FOOT WIDTH AND HEIGHT, MAXIMUM 1/2" LARGER THAN 1/8" MINIMUM.
9. SEE SPECIFICATIONS FOR ACCESS DOOR REQUIREMENTS

FIRE DAMPER DETAIL

SCALE: NONE

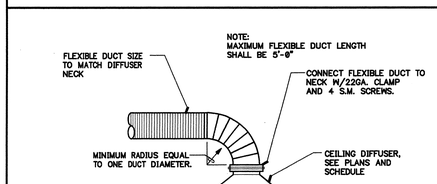


HEATING WATER SYSTEM PIPING/CONTROL SCHEMATIC

SCALE: NONE

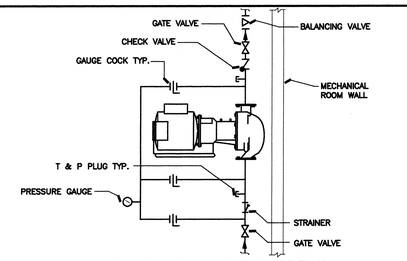
KEYED NOTES ○ HEATING WATER SYSTEM PIPING SCHEMATIC

1. 7" DIAMETER FLUE. SEE MECHANICAL ROOM 403 FOR CONTINUATION.
2. THREE-WAY CONTROL VALVE, MAXIMUM 10 FT. WATER PRESSURE DROP. VALVE TO FAIL IN THE BY-PASS MODE.
3. HEATING SUPPLY PIPING TO HEATING MANIFOLDS/UNDERFLOOR PIPING IN BUILDING. SEE PLANS FOR CONTINUATION.
4. STARTER/CONTACTOR.
5. HEATING RETURN PIPING FROM HEATING MANIFOLDS/UNDERFLOOR PIPING IN BUILDING. SEE PLANS FOR CONTINUATION.
6. TO POT FEEDER. SEE POT FEEDER DETAIL.
7. PIPE DISCHARGE FULL SIZE FROM RELIEF VALVE TO NEAREST FLOOR SINK.
8. COMBINATION TEMPERATURE AND PRESSURE PLUG (TYPICAL).
9. BOILER CIRCULATING PUMP P-B1, FOR A NON-CONDENSING BOILER APPLICATION USED WITH AN UNDERFLOOR HEATING SYSTEM.
10. NOT USED.
11. PRESSURE GAUGE.
12. THREE-WAY CONTROL/VALVE 6.5 GPM AT MAXIMUM 10 FT. WATER PRESSURE DROP. VALVE TO FAIL TO BY-PASS MODE.
13. DELETED.
14. THERMOMETER (TYPICAL).



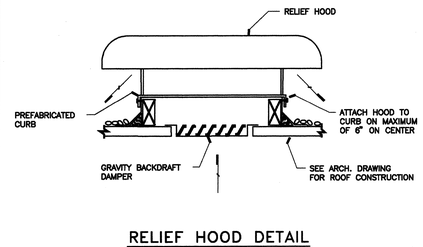
DIFFUSER CONNECTION DETAIL

SCALE: NONE



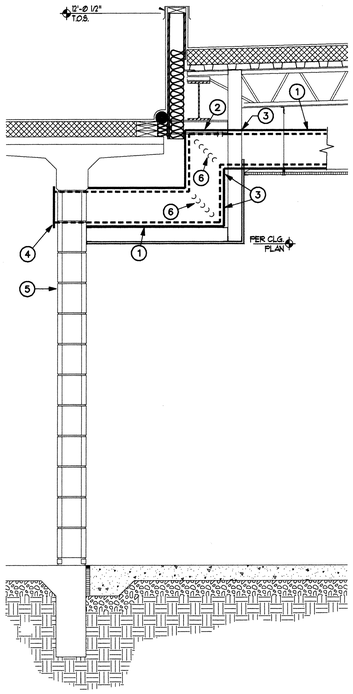
PUMP CONNECTION DETAIL

SCALE: NONE



RELIEF HOOD DETAIL

SCALE: NONE

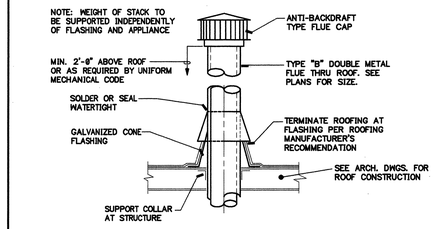


NEW TO OLD BLDG. DUCTWORK SECTION

SCALE: 3/4" = 1'-0"

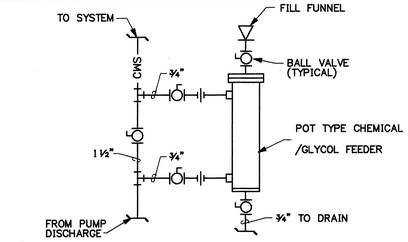
KEYED NOTES ○ (NEW TO OLD BLDG. DUCTWORK SECTION)

1. 8" HIGH SUPPLY AIR DUCT WITH 1" INSULATION. REFER TO PLANS FOR WIDTH.
2. INSTALL DUCTWORK BETWEEN BRACING STUDS (32" O.C.).
3. COORDINATE DUCT LOCATION WITH FRAMER, STUDS ARE 16" O.C.
4. SUPPLY OR EXHAUST REGISTER WITH 8" HIGH NOMINAL SUPPLY DUCT CONNECTION.
5. EXISTING WALL (COORDINATE WALL PENETRATIONS).
6. INSTALL TURNING VANES PER SPECIFICATIONS.



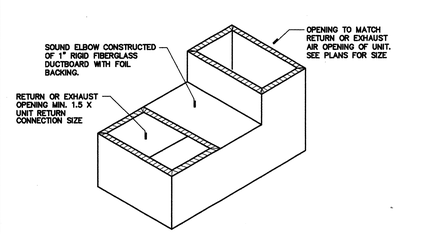
FLUE THRU ROOF DETAIL

SCALE: NONE



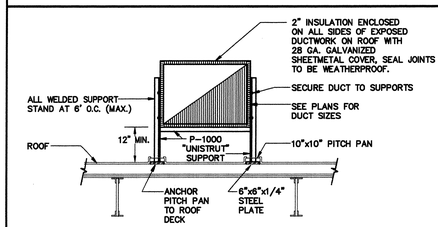
POT FEEDER DETAIL

SCALE: NONE



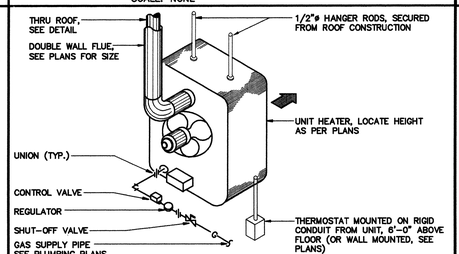
SOUND ELBOW DETAIL

SCALE: NONE



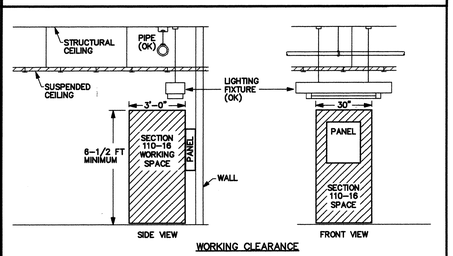
DUCT SUPPORT ON ROOF DETAIL

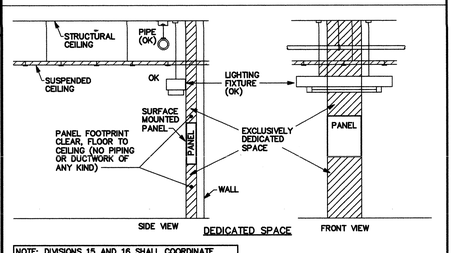
SCALE: NONE



GAS FIRED UNIT HEATER DETAIL

SCALE: NONE

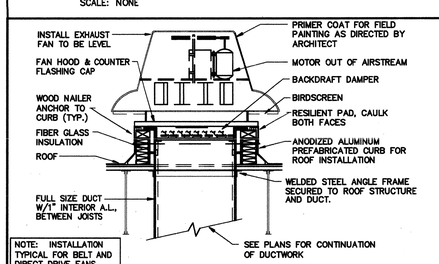




NOTE: DIVISIONS 15 AND 16 SHALL COORDINATE EQUIPMENT INSTALLATION IN FIELD TO ENSURE ALL N.E.C. CLEARANCES ARE MAINTAINED

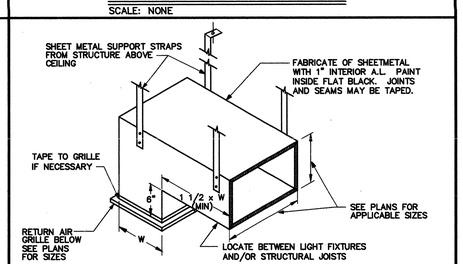
POWER PANEL CLEARANCE DIAGRAM

SCALE: NONE



EXHAUST FAN DETAIL

SCALE: NONE



R.A. GRILLE SOUND TRAP DETAIL

SCALE: NONE

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update: No./Day/Yr. | No./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 30 Of 33

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revisions

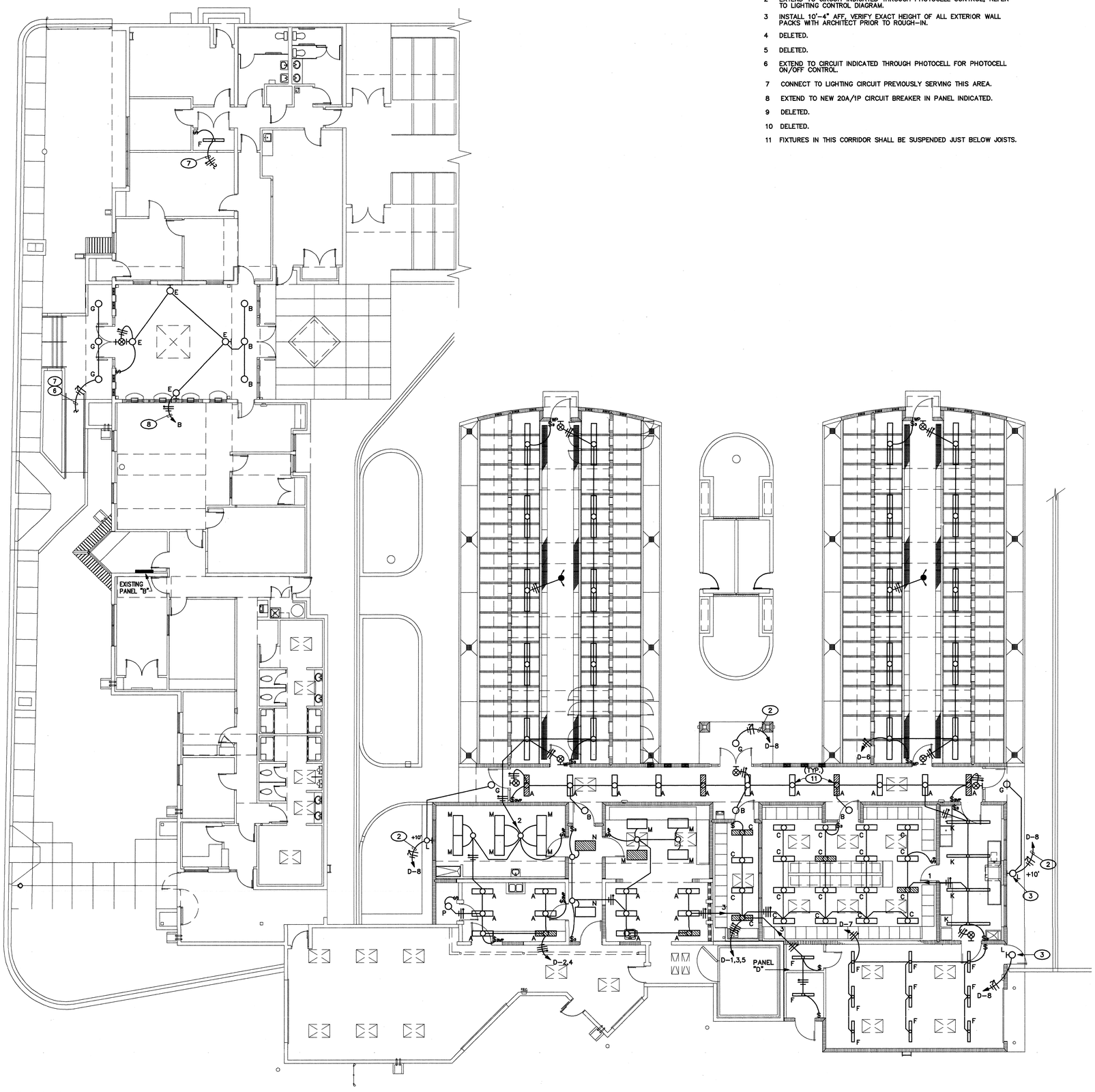
proj. no: 196836
acad file:
date: 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title: MP1_2.DWG

MECHANICAL DETAILS

MP1.2



LIGHTING PLAN

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

KEYED NOTES

1 USE #10 WIRE THROUGHOUT ENTIRE RUN.

2 EXTEND TO CIRCUIT INDICATED THROUGH PHOTOCELL CONTROL, REFER TO LIGHTING CONTROL DIAGRAM.

3 INSTALL 10'-4" AFF, VERIFY EXACT HEIGHT OF ALL EXTERIOR WALL PACKS WITH ARCHITECT PRIOR TO ROUGH-IN.

4 DELETED.

5 DELETED.

6 EXTEND TO CIRCUIT INDICATED THROUGH PHOTOCELL FOR PHOTOCELL ON/OFF CONTROL.

7 CONNECT TO LIGHTING CIRCUIT PREVIOUSLY SERVING THIS AREA.

8 EXTEND TO NEW 20A/1P CIRCUIT BREAKER IN PANEL INDICATED.

9 DELETED.

10 DELETED.

11 FIXTURES IN THIS CORRIDOR SHALL BE SUSPENDED JUST BELOW JOISTS.

PANEL: MP — EXISTING
DESCRIPTION: 208/120V, 3PH, 4W, 800 AMP MAIN LUGS ONLY, 42,000 AIC, SURFACE MOUNTED, OUTDOOR NP, NEUTRAL BAR, GROUND BAR, EXISTING I.T.E. MAIN DISTRIBUTION PANEL (6-HANDLE RULE SERVICE).
NOTES: (1) New Switch (2) (3) NOTES IN LOAD DESCRIPTION IF USED.
195836 – EASTSIDE ANIMAL SERVICES CENTER

CCT NO.	LOAD DESCRIPTION	SW SIZE (FUSE)	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	SW SIZE (FUSE)	LOAD DESCRIPTION	CCT NO.
			0	10180			10180			
1	SPARE	100A/3P	0		6580		6580	100A/3P	New Panel 'D'	2
	(Made Spare, Panel "D" Demo'd)					8610	8610	(100A)	Existing Switch, Old Panel "E" Demo'd	
			2000	15390			13390			
3	Existing Panel 'A' (1-Phase)	200A/2P	2000		16060		14060	400A/3P	Existing Panel "B"	4
		(150A)	0			12720	12720	(250A)		
			17050	17050						
5	New Panel 'M'	200A/3P	14860		14860			200A/3P	SPACE	6
	(Existing Switch)	(200A)	15820			15820				
7				0						8
					0					
						0				
9				0						10
					0					
						0				
11				0						12
					0					
						0				
13				0						14
					0					
						0				
				42620	37500	37150				
	Total KVA			117.3	208V	328	Amps			

PANEL: M
DESCRIPTION: 208/120V, 3PH, 4W, 225 AMP MAIN LUGS ONLY, 10,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR, 42 TOTAL POLES.
NOTES: (1) Ground Fault Circuit Interrupter (2) Locking Handle (3) Shunt Trip NOTES IN LOAD DESCRIPTION IF USED.
195836 – EASTSIDE ANIMAL SERVICES CENTER

CCT NO.	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	CCT NO.
1	EF-1 (1/4HP)	20A/1P	700	2360			1660	30A/1P	EF-2 (3/4HP)	2
3	EF-1A (1/4HP)	20A/1P	700		1400		700	20A/1P	EF-3 (1/4HP)	4
5	EF-5 (1/4HP)	20A/1P	700			1880	1180	20A/1P	EF-4 (1/2HP)	6
7	EF-6A (1/4HP), UH-1	20A/1P	1200	2450			1250	20A/1P	P-1 (1/2HP), PB-1 (1/6HP)	8
9	SPARE	20A/1P	0		1220		1220	20A/1P	P-2 (1/2HP), CP-1 (1/40HP)	10
11	DISHWASHER (3/4HP)	30A/1P	1700			1700	0	20A/1P	SPARE	12
13	DISHWASHER BOOSTER HEATER	30A/3P	2000	2000			0	PROV.	SPACE	14
15	****	****	2000		2000		0	PROV.	SPACE	16
17	****	****	2000			2000	0	PROV.	SPACE	18
19	MAU-1 (5HP)	30A/3P	2560	5120			2560	30A/3P	MAU-1A (5HP, ALT. NO. 4)	20
21	****		2560		5120		2560	****	****	22
23	****		2560			5120	2560	****	****	24
25	MAU-2 (5HP)	30A/3P	2560	5120			2560	30A/3P	MAU-3 (5HP)	26
27	****		2560		5120		2560	****	****	28
29	****		2560			5120	2560	****	****	30
31	SPACE	PROV.	0	0			0	PROV.	SPACE	32
33	SPACE	PROV.	0		0		0	PROV.	SPACE	34
35	SPACE	PROV.	0			0	0	PROV.	SPACE	36
37	SPACE	PROV.	0	0			0	PROV.	SPACE	38
39	SPACE	PROV.	0		0		0	PROV.	SPACE	40
41	SPACE	PROV.	0			0	0	PROV.	SPACE	42
				17050	14860	15820				
	Total KVA			47.7	208V	132	Amps			

PANEL: D
DESCRIPTION: 208/120V, 3PH, 4W, 100 AMP MAIN LUGS ONLY, 10,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR, 42 TOTAL POLES.
NOTES: (1) Ground Fault Circuit Interrupter (2) Locking Handle (3) Shunt Trip NOTES IN LOAD DESCRIPTION IF USED.
195836 – EASTSIDE ANIMAL SERVICES CENTER

CCT NO.	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	CCT NO.
1	LIGHTS	20A/1P	1520	3120			1600	20A/1P	LIGHTS	2
3	LIGHTS	20A/1P	1440		2880		1440	20A/1P	LIGHTS	4
5	LIGHTS	20A/1P	1600			3200	1600	20A/1P	LIGHTS (ALT. NO. 4)	6
7	LIGHTS (ALT. NO. 2)	20A/1P	700	1200			500	20A/1P	EXTERIOR LIGHTS	8
9	(1) RECEPTACLES	20A/1P	1080		1780		700	20A/1P	EWC RECEPTACLE	10
11	(1) RECEPTACLES	20A/1P	720			1470	750	20A/1P	RECEPTACLES	12
13	(1) RECEPTACLES	20A/1P	900	1260			360	20A/1P	TELEPHONE BACKBOARD	14
15	(1) RECEPTACLES (ALT. NO. 4)	20A/1P	540		720		180	20A/1P	RECEPTACLES	16
17	RECEPTACLES	20A/1P	540			1440	900	20A/2P	POLE LIGHTS	18
19	WASHER	20A/1P	1200	2100			900	****	****	20
21	SPARE	20A/1P	0		1200		1200	20A/1P	FREEZER	22
23	SPACE	PROV.	0			0	0	20A/1P	SPARE	24
25	SPACE	PROV.	0	0			0	20A/1P	SPARE	26
27	SPACE	PROV.	0		0		0	20A/1P	SPARE	28
29	DRYER	30A/2P	2500			2500	0	PROV.	SPACE	30
31	****	****	2500	2500			0	PROV.	SPACE	32
33	SPACE	PROV.	0		0		0	PROV.	SPACE	34
35	SPACE	PROV.	0			0	0	PROV.	SPACE	36
37	SPACE	PROV.	0	0			0	PROV.	SPACE	38
39	SPACE	PROV.	0		0		0	PROV.	SPACE	40
41	SPACE	PROV.	0			0	0	PROV.	SPACE	42
				10180	6580	8610				
	Total KVA			25.4	208V	70	Amps			

GENERAL NOTES

A. ALL LIGHTING FIXTURES SHALL BE TYPE "D" UNLESS NOTED OTHERWISE.

B. REFER TO SPECIFICATION 16500 FOR LIGHTING FIXTURE SCHEDULE.

RECORD DRAWINGS APRIL 2000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Approved by Design Review Committee: APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval

Last Design Update: mo./day/yr. | mo./day/yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 31 Of 33

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revisions

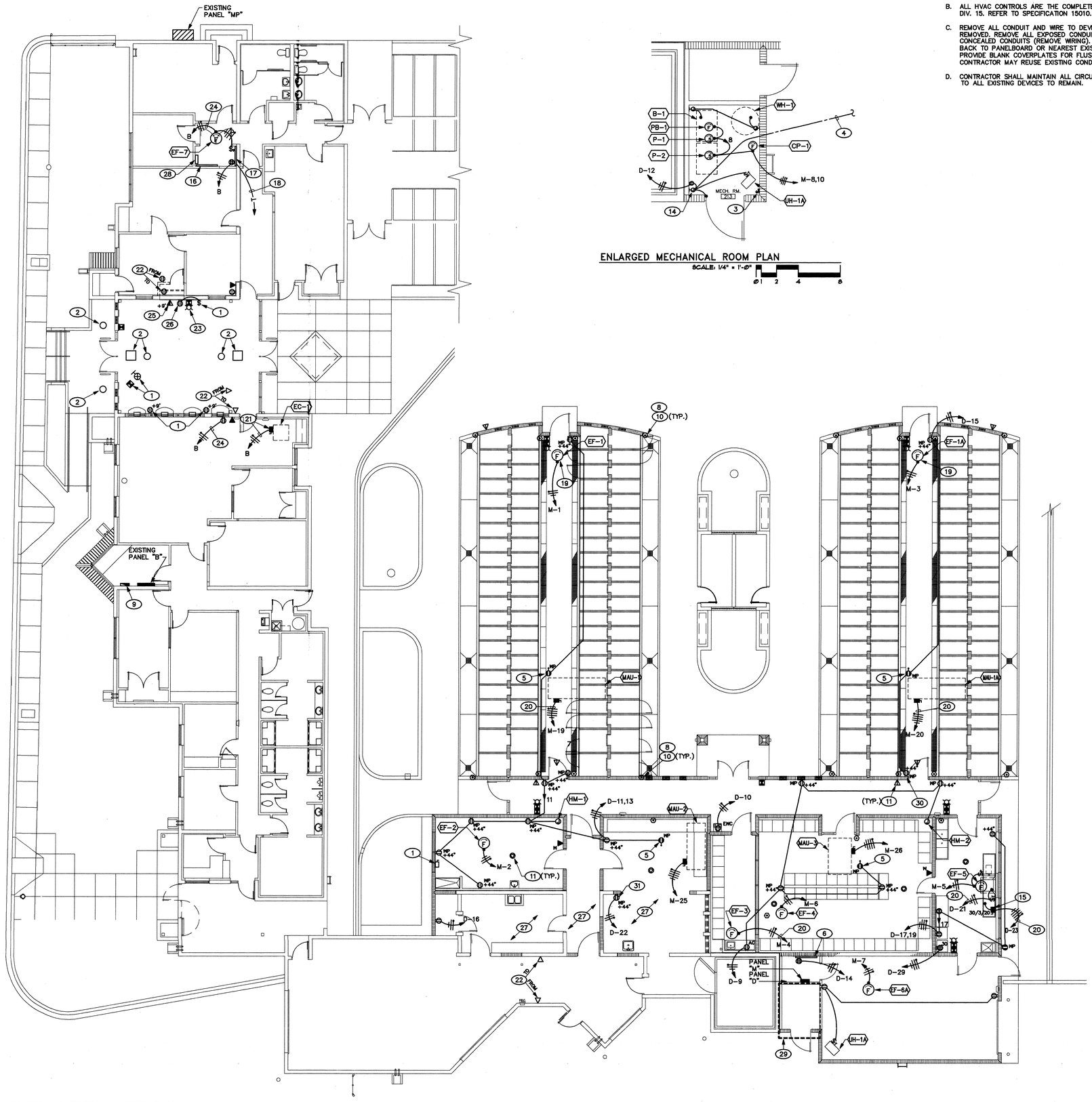
proj. no.: 195836
acad file:
date: 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

sheet title: EI-LDWG

LIGHTING PLAN - KENNELS

E1.1



POWER AND SPECIAL SYSTEMS PLAN

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

ENLARGED MECHANICAL ROOM PLAN

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

GENERAL NOTES

A. REFER TO SHEET E1.1 FOR PANEL SCHEDULES. NOTE GFI CIRCUIT BREAKERS REQUIRED IN ALL "WET" AREAS.

B. ALL HVAC CONTROLS ARE THE COMPLETE RESPONSIBILITY OF DIV. 15. REFER TO SPECIFICATION 15010.

C. REMOVE ALL CONDUIT AND WIRE TO DEVICES INDICATED TO BE REMOVED. REMOVE ALL EXPOSED CONDUIT RUNS AND ABANDON ALL CONCEALED CONDUITS (REMOVE WIRING). REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OR NEAREST EXISTING DEVICE TO REMAIN. PROVIDE BLANK COVERPLATES FOR FLUSH JUNCTION BOXES. CONTRACTOR MAY REUSE EXISTING CONDUIT SYSTEM WHERE FEASIBLE.

D. CONTRACTOR SHALL MAINTAIN ALL CIRCUIT AND CONDUIT CONTINUITY TO ALL EXISTING DEVICES TO REMAIN.

KEYED NOTES

1 EXISTING DEVICE TO BE REMOVED COMPLETE.

2 EXISTING LIGHTING FIXTURE TO BE REMOVED COMPLETE.

3 PILOT SWITCH TO DE-ENERGIZE BOILER AS REQUIRED BY CODE (BY DIV. 15).

4 IRRIGATION CONTROLLER. STUB-OUT A 1.5" CONDUIT AS SHOWN ON UTILITIES SITE PLAN.

5 INSTALL ROOFTOP RECEPTACLE ON UNISTRUT STAND ADJACENT TO HVAC UNIT.

6 TELEPHONE BACKBOARD WITH FOURPLEX RECEPTACLE, REFER TO TELEPHONE RISER DIAGRAM.

7 DELETED.

8 REFER TO SPECIFICATION 16720 FOR RACEWAY SYSTEM REQUIREMENTS.

9 EXISTING FIRE ALARM PANEL TO BE REPLACED WITH NEW, REFER TO FIRE ALARM RISER DIAGRAM.

10 J-BOX FOR FUTURE MOTION DETECTOR.

11 CONNECT NEW P.A. SPEAKER TO EXISTING SYSTEM AS REQUIRED FOR A COMPLETELY OPERATIONAL SYSTEM.

12 DELETED.

13 DELETED.

14 FOR CONNECTION TO IRRIGATION CONTROLLER.

15 NEMA 4X SS DISCONNECT SWITCH FOR DISHWASHER BOOSTER HEATER.

16 EXISTING MAIN TELEPHONE BACKBOARD TO REMAIN.

17 NEW 4' X 8' X 3/4" TELEPHONE BACKBOARD.

18 EXTEND TELEPHONE CONDUIT TO BACKBOARD IN ROOM 214, REFER TO TELEPHONE RISER DIAGRAM.

19 INTERLOCKED WITH ASSOCIATED MAKE-UP AIR UNIT. REFER TO GENERAL NOTE "B".

20 USE #10 CONDUCTORS.

21 PROVIDE NEW DISCONNECT SWITCH (FOR REPLACED COOLER). CONNECT TO SAME CIRCUIT AS BEFORE.

22 EXISTING DEVICE TO BE RELOCATED.

23 REPLACE EXISTING DEVICE WITH NEW.

24 EXTEND TO NEW 20A/1P CIRCUIT BREAKER IN PANEL INDICATED.

25 CONNECT NEW TELEVISION OUTLET TO EXISTING SYSTEM (RG-50/U IN 3/4" CONDUIT).

26 EXISTING RECEPTACLE UP 9'-0" TO REMAIN. RECONNECT AS UNSWITCHED RECEPTACLE.

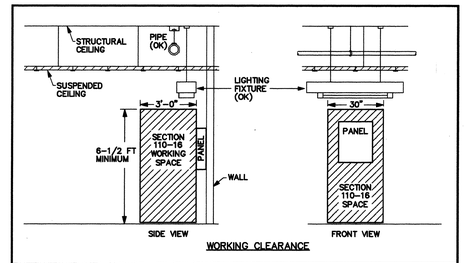
27 EXISTING LIGHTING FIXTURES IN THIS AREA TO BE REPLACED WITH NEW, SEE LIGHTING PLAN.

28 EXISTING P.A. SYSTEM HEAD-END EQUIPMENT.

29 REFER TO ENLARGED MECHANICAL ROOM PLAN FOR WORK IN THIS AREA.

30 DELETED.

31 FOR FREEZER.



NOTE: DIVISIONS 15 AND 16 SHALL COORDINATE EQUIPMENT INSTALLATION IN FIELD TO ENSURE ALL N.E.C. CLEARANCES ARE MAINTAINED

POWER PANEL CLEARANCE DIAGRAM

SCALE: NONE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

Design Review Committee: APPROVED DEC 29 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval

Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 32 Of 33

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revisions

proj. no. 1P5836

acad file

date 12/16/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations
8920 Lomas Blvd. N.E.
Albuquerque, New Mexico 87111

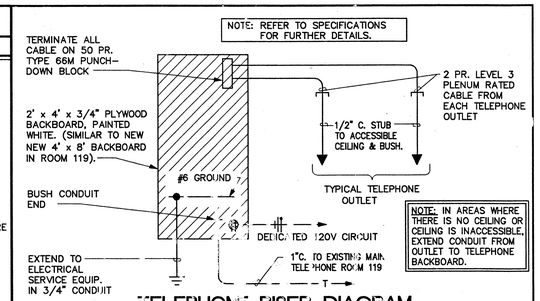
sheet title E2-LDWG

POWER AND SPECIAL SYSTEMS PLAN - KENNELS

E2.1

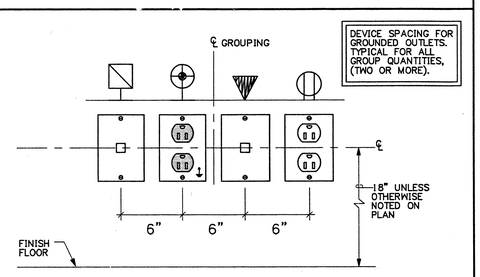
ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
T	TRANSFORMER, AS NOTED.	⬭	KEYED NOTE SYMBOL – ELECTRICAL.
	FIRE ALARM CONTROL PANEL, SEE SPECIFICATIONS FOR SYSTEM REQUIREMENTS.	⬡	MECHANICAL EQUIPMENT DESIGNATION – SEE MECHANICAL EQUIPMENT SCHEDULE.
	SPECIAL CABINET, TELEPHONE TYPE OR AS NOTED.	WP	WEATHERPROOF.
	LIGHTING BRANCH CIRCUIT PANEL, SEE PANEL SCHEDULE FOR CHARACTERISTICS.	AC	ABOVE COUNTER (6" UNLESS NOTED OTHERWISE).
	POWER DISTRIBUTING PANEL, SEE PANEL SCHEDULE FOR CHARACTERISTICS.	AFF	ABOVE FINISH FLOOR.
(2)	MOTOR CONNECTION WITH HP INDICATED.	A	CEILING FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
(F)	MOTOR CONNECTION FOR FRACTIONAL HP MOTOR (LESS THAN 1/3 HP). PROVIDE THERMAL O.L. SWITCH ADJACENT TO ALL MOTORS UNLESS SWITCH IS SHOWN ELSEWHERE ON PLAN.	B	BRACKET FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	MOTOR STARTER, SIZE AND POLES FOR MOTOR FURNISHED.		EMERGENCY FIXTURE WITH BATTERY PACK AND OUTLET. TYPE "EM" AS INDICATED IN FIXTURE SCHEDULE.
30/3	DISCONNECT SWITCH, NON-FUSED, SUBSCRIPT INDICATES SWITCH AMPERAGE AND NUMBER OF POLES, BE NEMA 3R IF INSTALLED OUTDOORS. VOLTAGE RATING AS REQUIRED BY SYSTEM.		CEILING MOUNTED DOUBLE FACE EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE "X" AS INDICATED IN FIXTURE SCHEDULE.
30/3/20	DISCONNECT SWITCH, FUSED, SUBSCRIPT INDICATES SWITCH AMPERAGE, NUMBER OF POLES AND FUSE SIZE. TO BE NEMA 3R IF INSTALLED OUTDOORS. PROVIDE FUSES AT 125% F.L.A. OF UNIT UNLESS OTHERWISE INDICATED. VOLTAGE RATING AS REQUIRED BY SYSTEM.		CEILING MOUNTED SINGLE FACE EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE "X" AS INDICATED IN FIXTURE SCHEDULE.
	COMBINATION MOTOR STARTER / DISCONNECT SWITCH.		WALL BRACKET OR RECESSED EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE "X" AS INDICATED IN FIXTURE SCHEDULE.
	BRANCH CIRCUIT CONDUIT IN WALLS, CEILING OR BELOW SLAB WITH CONDUCTORS INDICATED.	C	FLUORESCENT FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	BRANCH CIRCUIT CONDUIT UNDER FLOOR WITH CONDUCTORS INDICATED.		LIGHT FIXTURES INDICATED WITH SHADING ARE CONNECTED TO EMERGENCY POWER SOURCE. BODINE #B50 (1350 LUMENS) BATTERY PACK OR APPROVED EQUAL. PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION, COORDINATE WITH LIGHTING MFR.
A-2,4	HOME RUN CONDUIT TO PANEL WITH BRANCH CIRCUIT NUMBERS INDICATED.		
	POWER CONDUIT, CONDUCTORS TYPICALLY SHOWN AT CIRCUIT BEGINNING ONLY.		LIGHT FIXTURES INDICATED WITH SHADING ARE CONNECTED TO EMERGENCY POWER SOURCE. BODINE BATTERY PACK OR APPROVED EQUAL. (SIZED FOR LAMP WATTAGE) PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION, COORDINATE WITH LIGHTING MFR.
	LIGHTING CONDUIT, CONDUCTORS TYPICALLY SHOWN AT CIRCUIT BEGINNING ONLY. SWITCH LEGS SHOWN AS REQUIRED FOR CLARITY.		
	TIC MARKS REPRESENT NEUTRAL, HOT, SWITCH LEG AND GROUND CONDUCTORS RESPECTIVELY.		POLE MOUNTED FIXTURE. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	EXISTING CONDUIT.	S	SINGLE POLE WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
E_{OH}	ELECTRICAL OVERHEAD SERVICE.	S3	THREE-WAY WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
E_{UG}	ELECTRICAL UNDERGROUND SERVICE.	SP	PILOT SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
	SPECIAL PURPOSE RECEPTACLE. SEE DRAWINGS FOR TYPE.	ST	THERMAL SWITCH. WEATHERPROOF IF INSTALLED OUTSIDE. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
	RECESSED SPEAKER WITH OUTLET IN CEILING. JBL #8140 H/T SPEAKER WITH SOUNDOLIER #95-8 BACKBOX AND JBL #WB8 ROUND WHITE BAFFLE.	SC	CALL-IN SWITCH FOR INTERCOM SYSTEM. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
	RECESSED WALL MOUNTED SPEAKER AT 6'-8" A.F.F. JBL #8140 H/T SPEAKER WITH SOUNDOLIER #95-8 BACKBOX AND JBL #WB8 ROUND WHITE BAFFLE.		JUNCTION BOX FLUSH IN WALL. HEIGHT AS INDICATED FOR CONNECTION TO EQUIPMENT.
	SURFACE MOUNTED WALL BULLHORN SPEAKER, UP 6'-8" OR AS INDICATED, MATCH EXISTING.		20 AMP DUPLEX CONVENIENCE RECEPTACLE, 6" ABOVE COUNTER OR AS INDICATED.
	INTERCOM STATION.		20 AMP DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.
	PHOTOCELL LIGHTING CONTROLLER, PRECISION #T-15 MOUNTED ON 1/2" RIGID CONDUIT STUBBED UP 12" ABOVE ROOF, WITH WINDOW FACING NORTH.	EWC	20 AMP DUPLEX GROUNDING TYPE CONVENIENCE RECEPTACLE INSTALLED WITHIN CASE OF ELECTRIC WATER COOLER.
	TELEPHONE OUTLET, UP 18" OR AS INDICATED. SEE DETAIL & SPECIFICATIONS FOR CONDUIT/CABLE REQUIREMENTS.		20 AMP GROUND FAULT INTERRUPTING DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.
W	WALL MOUNTED TELEPHONE OUTLET, UP 44" OR AS INDICATED. SEE DETAIL AND SPECIFICATIONS FOR CONDUIT/CABLE REQUIREMENTS.	WP	20 AMP WEATHERPROOF DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED. COVER TO BE "HUBBELL" #5206 OR EQUAL.
			20 AMP FOURPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.
FS	FIRE SPRINKLER SYSTEM FLOW SWITCH.		20 AMP WEATHERPROOF GROUND FAULT INTERRUPTING DUPLEX CONVENIENCE RECEPTACLE (IN CAST BOX), STUBBED UP ON RIGID CONDUIT ON ROOF UNLESS OTHERWISE INDICATED (UP 6" AFF OR AS NOTED).
TS	FIRE SPRINKLER SYSTEM TAMPER SWITCH.		
	FIRE ALARM VISUAL SIGNAL, DOWN 6" BELOW CEILING OR UP 6'-8" TO CENTER (WHICHEVER IS LOWER). SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS.		TELEVISION OUTLET (75 OHM) UP 18" OR AS INDICATED.
	FIRE ALARM MANUAL PULL STATION, UP 44". SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS.		
	FIRE ALARM AUDIO/VISUAL SIGNAL, DOWN 6" BELOW CEILING OR UP 6'-8" TO CENTER WHICHEVER IS LOWER). SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS.		
	FIRE ALARM HORN, INSTALL AS INDICATED. SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS.		
S,H,I,S/H	F.A. AUTOMATIC DETECTOR, TYPE AS INDICATED (S-SMOKE, H-HEAT, I-IONIZATION & S/H-SMOKE/HEAT). ALL DETECTORS "SMOKE" UNLESS OTHERWISE NOTED.		
	FIRE ALARM CONTROL RELAY, SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS		



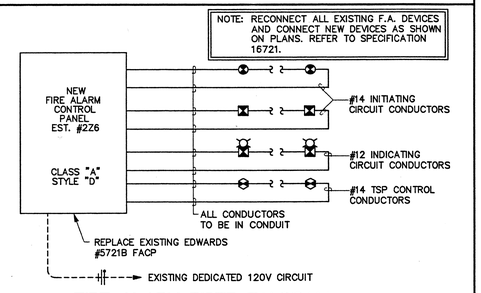
TELEPHONE RISER DIAGRAM

SCALE: NONE



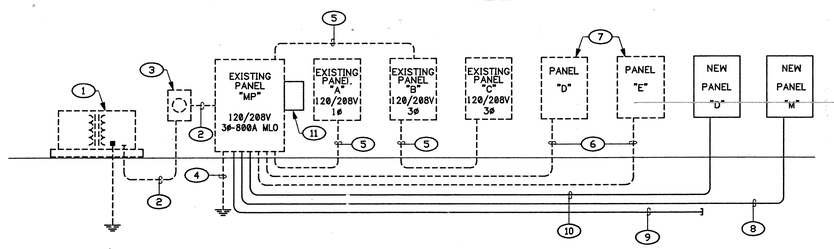
TYPICAL GROUP WALL OUTLET DETAIL

SCALE: NONE



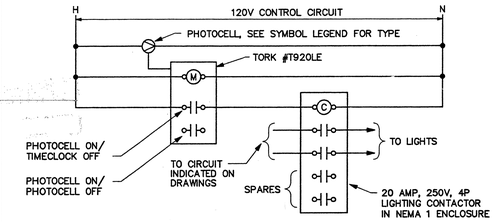
FIRE ALARM RISER DIAGRAM

SCALE: NONE



POWER RISER DIAGRAM

SCALE: NONE



LIGHTING CONTROL DIAGRAM

SCALE: NONE

LOAD SUMMARY: 120/208V, 3 PHASE

	CONNECTED LOAD	CODE DEMAND LOAD
ANIMAL SERVICES BLDG.	117.3 KVA	123.0 KVA
FUTURE (10%)	11.7 KVA	11.7 KVA
TOTAL	129.0 KVA	134.7 KVA (374A)

SHORT CIRCUIT CURRENT ANALYSIS

BASED ON MAXIMUM TRANSFORMER LET THROUGH WITH UNLIMITED PRIMARY SHORT CIRCUIT CURRENT (S.C.C.):

EXISTING BUILDING TRANSFORMER SIZE = 150 KVA
NOMINAL TRANSFORMER IMPEDANCE (%Z) = 2.0%

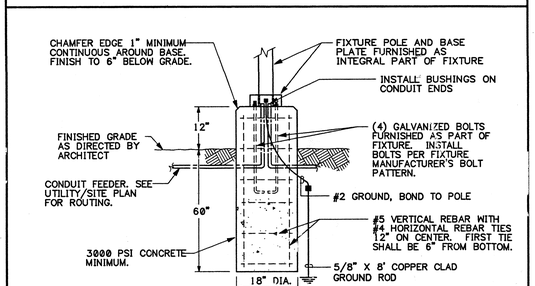
S.C.C. AVAILABLE AT TRANSFORMER SECONDARY = 20,850A.
S.C.C. AVAILABLE AT EXISTING PANEL "MP" = 18,500A.
S.C.C. AVAILABLE AT LOAD SIDE OF 250A RK1 FUSES = 7,000A.

ALL NEW PANELBOARDS SHALL HAVE A MINIMUM OF 10,000 A.I.C. AND BRACING.

ENERGY CODE ANALYSIS

THE PLANS AND SPECIFICATIONS ARE DESIGNED IN CONFORMANCE WITH MODEL ENERGY CODE LIGHTING LEVELS.

INTERIOR LIGHTING LOAD ----- 9,900 W/ 7,500 SQ. FT. = 1.32 W/SQ.FT. (NEW ADDITION)



POLE MOUNTING DETAIL

SCALE: NONE

KEYED NOTES

1. EXISTING PNM-OWNED TRANSFORMER WITH 120/208V, 3-PHASE SECONDARY.
2. EXISTING 500A SERVICE FEEDER TO REMAIN.
3. EXISTING METERING ENCLOSURE TO REMAIN.
4. EXISTING SERVICE GROUND TO REMAIN.
5. EXISTING FEEDER TO REMAIN.
6. EXISTING FEEDER TO BE REMOVED COMPLETE.
7. EXISTING PANEL (IN KENNEL TO BE DEMOLISHED) TO BE REMOVED COMPLETE, REFER TO ARCHITECTURAL DEMOLITION PLANS.
8. 4 #4/0 AND 1 #2 GROUND IN 3" CONDUIT.
9. 3" CONDUIT STUB-OUT FOR FUTURE BUILDING. REFER TO SITE UTILITY PLAN.
10. 4 #1/0 AND 1 #6 GROUND IN 2" CONDUIT.
11. TVSS UNIT, CURRENT TECHNOLOGY #SBA120/208-3GY-DF IN NEMA 3R ENCLOSURE. MAKE ALL FINAL PARALLEL POWER CONNECTIONS TO PANEL "MP" BUS BARS PER MANUFACTURERS RECOMMENDATIONS.

GENERAL NOTES (APPLIES TO ALL ELECTRICAL SHEETS)

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS PRIOR TO BID OPENING, TO ALLOW HIM TO SUBMIT A COMPLETE BID WITHIN THE SCOPE OF THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARD TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF THE PROJECT, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE ENGINEER/ARCHITECT FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.

B. IT WILL BE THE CONTRACTOR'S OBLIGATION TO INCLUDE IN HIS BID THE COST FOR INSTALLING JUNCTION BOXES, PROVIDING MISCELLANEOUS COVERS, WORK WITH OTHER DISCIPLINES WHERE THE CONTRACT INVOLVES ELECTRICAL POWER OR CONTROL CONNECTIONS, SWITCHES, ETC. ALL OF THIS WORK SHALL BE PART OF THIS CONTRACT.

C. LOCATIONS OF EXISTING EQUIPMENT AND OTHER DEVICES SHOWN ON PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.

D. CONTRACTOR SHALL INSTALL PULLBOXES AND JUNCTION BOXES WHEREVER REQUIRED BY N.E.C. OR JOB CONDITIONS.

E. ALL NEW WIRING SHALL BE TAGGED AT ALL PULLBOXES, JUNCTION BOXES, EQUIPMENT BOXES AND CABINETS WITH APPROVED PLASTIC TAGS. ACTION CRAFT, BRADY OR APPROVED EQUIVALENT. CONTRACTOR SHALL NOT USE EXISTING WIRING FOR NEW WORK. ALL JUNCTION BOXES SHALL HAVE ASSOCIATED CIRCUIT NUMBERS MARKED ON COVER.

F. SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE HIS RESPONSIBILITY TO NOTIFY THE ARCHITECT/ENGINEER AS SOON AS POSSIBLE FOR CLARIFICATION.

G. ANY DAMAGE TO EXISTING EQUIPMENT STRUCTURE, BUILDING, ETC. SHALL BE PATCHED AND REPAIRED AS DIRECTED BY THE OWNER AT NO ADDITIONAL COST TO THE OWNER.

H. CONTRACTOR SHALL MAKE AS-BUILT DRAWINGS DOCUMENTING ANY AND ALL WIRING AND EQUIPMENT CONDITIONS AND CHANGES WHILE COMPLETING THIS CONTRACT. PROVIDE UPDATED, TYPEWRITTEN DIRECTORIES FOR ALL PANELBOARDS, AND LABEL ALL PANELS WITH PLASTIC LAMINATED NAMEPLATES.

I. INSTALL BLANK DEVICE PLATES ON ALL UNUSED JUNCTION BOXES IN FINISHED AREAS.

J. ALL ELECTRICAL WIRING SHALL BE ROUTED IN CONDUIT. WIRING BELOW SUSPENDED CEILINGS SHALL BE CONCEALED IN WALLS.

K. ALL CONDUIT RUNS SHALL BE CONCEALED IN NEW WALLS OR ABOVE NEW CEILING.

L. IN ALL LOCATIONS WHERE EXISTING CIRCUITS ARE AFFECTED BY THE REMOVAL OF CONDUIT, WIRING, RECEPTACLES, LIGHTING FIXTURES, THE BLOCKING OUT OF EXISTING OUTLET BOXES, ETC., AND THE CIRCUITS ARE STILL REQUIRED TO FEED OTHER DEVICES OR EQUIPMENT WHICH ARE TO REMAIN IN SERVICE AFTER THE COMPLETION OF THE REMODEL AT NO ADDITIONAL COST TO THE OWNER.

M. THE CONTRACTOR SHALL BE AWARE THAT ALL POWER SYSTEMS ARE OPERABLE AND SHALL REMAIN OPERABLE AT PROJECT COMPLETION. THIS REQUIRES THE CONTRACTOR TO "RING OUT" ALL CIRCUITS IN AREAS OF MODIFICATIONS PRIOR TO ANY WORK IN THESE AREAS AND TO MAINTAIN ALL SUCH BRANCH CIRCUITING AND CONTROLS OPERATIONAL AFTER MODIFICATIONS.

N. THE CONTRACTOR SHALL BE AWARE THAT ALL SPECIAL SYSTEMS, FIRE ALARM, ETC., ARE TOTALLY OPERABLE AND SHALL BE OPERABLE AT PROJECT COMPLETION. ANY DISRUPTION OF SYSTEMS DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WITH SYSTEMS LEFT TOTALLY OPERABLE.

O. INTERRUPTION OF ANY ELECTRICAL SERVICES OR SPECIAL SYSTEMS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AT LEAST SEVEN DAYS PRIOR TO THE INTENDED OUTAGE AND SHALL BE REQUESTED IN WRITING.

P. WHEREVER REQUIRED, FURNISH AND INSTALL ON WALL OR CEILING FREESTANDING UNISTRUT CHANNELS, ANGLE IRONS OR ANY OTHER SUPPORT STRUCTURE WITH THREADED ROD HANGERS AS REQUIRED FOR THE SUPPORT OF ELECTRICAL EQUIPMENT OF ANY KIND TO ENSURE PROPER INSTALLATION.

Q. THE CONTRACTOR SHALL COORDINATE ALL REMOVAL WORK WITH NEW WORK.

R. ALL NEW WIRING SHALL BE COPPER.

S. ALL HOMERUN CIRCUITING TO PANELS SHALL BE 3/4" CONDUIT, MINIMUM.

RECORD DRAWINGS APRIL 2000

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revisions

proj. no. 195836

acad file

date 10/3/97

EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

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Albuquerque, New Mexico 87111

sheet title: ES-LDWG

POWER RISER DIAGRAM AND SYMBOL LEGEND

E5.1

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EASTSIDE ANIMAL SERVICES CENTER
Additions and Renovations

APPROVED — DEC 29 1997 — DESIGN REVIEW COMMITTEE

City Engineer Approval

Last Design Update: No./Day/Yr.

City Project No. 5219.90 | Zone Map No. K-20 | Sheet 33 Of 33