The City of Albuquerque Police Department

JOHN ARTHUR CARRILLO
"NORTHEAST" MEMORIAL SUBSTATION

ADDITION/RENOVATION PROJECT

100% Construction Documents
Phase Submittal

AUGUST, 2003

RMKMcA Project No. 0207B
COA P.O. No. 6759.01
CIP Project Order No. 7384010

Project Directory

OWNER

City of Albuquerque
Albuquerque/Bernalillo County
One Civic Plaza, N.W., P.O.Box 1293
Albuquerque, New Mexico 87103

MAYOR

Mayor MARTIN CHAVEZ

CITY COUNCIL

District One	MIGUEL GOMEZ
District Two	VICENT GRIEGO
District Three	ERIC GRIEGO
District Four	BRAD WINTER
District Five	MICHAEL CADIGAN
District Six	HESS YNTEMA
District Seven	SALLY MAYER
District Eight	GREG PAYNE
District Nine	TINA CUMMINS

CHIEF ADMINISTRATIVE OFFICER

(505)768-3019 fax
JAY CZAR, COA CAO (505)768-3000 tel
NICHOLAS BAKAS, Deputy CAO, Public Safety

CAPITAL IMPLEMENTATION PROGRAM

City of Albuquerque, CIP
One Civic Plaza, N.W., P.O.Box 1293
Albuqueruqe, New Mexico 87103 (505)768-2310 fax

PAT MONTOYA, CIP Official	(505)768-3284 tel
DON MILLER, CIP SAC Chairman	(505)768-2555 tel
GEORGE GEE, City Architect	(505)768-3814 tel
DEMETRIO GRIEGO III, CIP Const. Mgr.	(505)768-3838 tel
SUZANNE BUSCH, CIP Contracts Manager	(505)768-3616 tel

FACILITIES MANAGEMENT

City of Albuquerque, FM
1801 Fourth Street, NW, Building B
Albuquerque, New Mexico (505)768-5317 fax

RICHARD F. HARDING, Chief/DFAS	(505)768-5310 tel
EPI MENDOZA, Asst.	(505)768-5310 tel

USER AGENCY

Albuquerque Police Department
400 Roma Ave., NW
Albuquerque, New Mexico 87103

Police Chief GIL GALLEGOS

APD PLANNING

(505)768-2324 fax

ROY TURPEN, APD Planning Director	(505)768-2427 tel
KAREN FISCHER, APD Project Manager	(505)768-2419 tel

APD NORTHEAST AREA COMMAND

Albuquerque Police Department
John Arthur Carrillo Police Memorial Substation
8201 Osuna Road NE
Albuquerque, New Mexico 87109

P.O.C. Captain Sonny Leeper	(505)823-4455 tel
Area Commander	(505)857-8314 fax

APD Officer
John Arthur Carrillo

BID SET NUMBER

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT		USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE
STATE OF NEW MEXICO · DON HOWARD MAY · NO. 2733 · 17 NOV 03 · REGISTERED ARCHITECT	DRC Chairman		11/22/03
	Transportation		12/12/03
	Water/Wastewater	William J. Brakel	11/25/03
	Hydrology		12/12/03
	Parks & Rec.		
	Const. Mngmt.		11/21/03
	Const. Coord.		

APPROVED FOR CONSTRUCTION

City Architect — Date
City Engineer — Date 12/20/03

City Project No. # 6759.01

Sheet G0.1 Of

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, NM tel. 505 243 5454

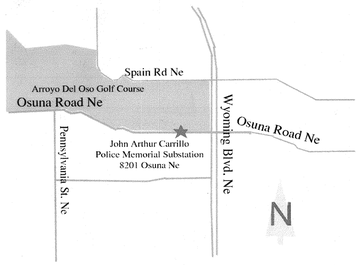
A/E DESIGN TEAM

ROHDE MAY KELLER McNAMARA ARCHITECTURE, P.C.
400 GOLD AVENUE, SW STUDIO 1100 SIMMS TOWER
ALBUQUERQUE, NEW MEXICO 87102
PH 505.243.5454 FAX 505.243.5858
E-MAIL dmay@rmkmarch.com
dchavez@rmkmarch.com
DON H. MAY, A.I.A., PRINCIPAL, ARCHITECT
Daniel Chavez, INTERN ARCHITECT

LARRY READ and ASSOCIATES
4800JUAN TABO BLVD. NE
ALBUQUERQUE, NEW MEXICO 87111
PH 505.237.8421 FAX 505.237.8422
E-MAIL: lread@readengineering.com
POC LARRY READ, P.E., CIVIL ENGINEER

JJK GROUP, INC.
3240-C JUAN TABO BLVD.
ALBUQUERQUE, NEW MEXICO 87111
PH 505.296.5706 FAX 505.296.1672
E-MAIL: jim@jjkgroup.com
POC JIM KAPURANIS, P.E., STRUCTURAL ENGINEER

FEI BROWN ENGINEERING
149 JACKSON NE
ALBUQUERQUE, NEW MEXICO 87108
PH 505.265.0900 FAX 505.265.6774
E-MAIL: FEIENG@AOL.COM
POC ED FOGELMAN, MECHANICAL/PLUMBING/FIRE PROTECTION



VICINITY MAP

REVISION #	DATE	DESCRIPTION
01	AUG. 2003	100% CONSTRUCTION DOCUMENTS

PROJECT

City of Albuquerque
Police Department

John Arthur Carrillo
"Northeast" Memorial Substation
Addition/Renovation Project

8201 Osuna Rd. Ne
Albuquerque NM, 87109

SHEET TITLE

COVER SHEET

100% CONSTRUCTION DOCUMENTS

SHEET NUMBER

G0.1

SCALE
NO SCALE

RMKMcA PROJECT NO.
0207B

DRAWING FILE NO.
0207B-CD cover

DATE
August 2003

PROJECT MANAGER
Daniel Chavez, Intern

DRAWN BY
Daniel Chavez,
Alejandro Porras Zarate
RMKMcA, P.C.

ARCHITECT OF RECORD
Don H. May, AIA
NM - No. 2733
RMKMcA, P.C.

STATE OF NEW MEXICO · DON HOWARD MAY · NO. 2733 · 17 NOV 03 · REGISTERED ARCHITECT

R O H D E M A Y K E L L E R M c N A M A R A
A R C H I T E C T U R E

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

ABBREVIATIONS LIST

A

A/C	AIR CONDITIONING
ACOUS.	ACOUSTICAL
AC. T.	ACOUSTICAL TILE
ADD'N(L)	ADDITION(AL)
ADJ.	ADJUSTABLE
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANOD.	ANODIZED
APPVD.	APPROVED
APPROX.	APPROXIMATE
ARCH.	ARCHITECT
A.F.F.	ABOVE FINISH FLOOR
A.F.G.	ABOVE FINISH GRADE

B

BD.	BOARD
BLDG.	BUILDING
BLKG.	BLOCKING
BRKT.	BRACKET
BRZ.	BRONZE
BSMT.	BASEMENT

C

CAB.	CABINET
C.C.	CENTER TO CENTER
CER.	CERAMIC
℄	CENTERLINE
CLG.	CEILING
C.M.U.	CONC. MASONRY UNIT
CLOS.	CLOSET
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECT
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
CORR.	CORRIDOR
CTR.	CENTER

D

D.A.	DOUBLE-ACTING
DBL.	DOUBLE
DEPT.	DEPARTMENT
DTL.	DETAIL
D.F.	DRINKING FOUNTAIN
DIA.	DIAMETER
DIM.	DIMENSION
DIV.	DIVISION
DN.	DOWN
DR.	DOOR
DWG.	DRAWING
DRW.	DRAWER

E

(E.)	EAST
ELEC.	ELECTRIC
ELEC'L	ELECTRICAL
EL.	ELEVATION
ELEV.	ELEVATOR
ENGR.	ENGINEER
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXH.	EXHAUST
EXIST.	EXISTING
EXPAN.	EXPANSION
EXPOS.	EXPOSED
EXT.	EXTERIOR

F

F.A.	FIRE ALARM
FABR.	FABRICATE
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CAB.
F.F.	FINISH FLOOR
F.H.C.	FIRE HOSE CABINET
FIN.	FINISH(ED)
FLR.	FLOOR
FLUOR.	FLUORESCENT
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.G.	FACE OF GYP. BD.
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
FR.	FRAME
F.S.	FULL SIZE
FT.	FOOT (OR FEET)
FTR	FLUE THRU ROOF
F-F	FACE TO FACE
FURR.	FURRING

G

GA.	GUAGE
GEN.	GENERAL
GL.	GLASS (OR GLAZED)
GYP.	GYPSUM
GYP. BD.	GYPSUM BOARD

H

HDWR.	HARDWARE
HDWD.	HARDWOOD
HGT.	HEIGHT
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
HR.	HOUR
HVAC	HEATING, VENTILATING & AIR CONDITIONING
H.W.	HOT WATER

I

I.D.	INSIDE DIAMETER
INCL.	INCLUDE(D)(ING)
INFO.	INFORMATION
INCAN.	INCANDESCENT

J

JAN.	JANITOR
J.B.	JOIST BEARING

L

LAM.	LAMINATE
LB. (OR #)	POUND
L.H.	LEFT HAND

M

MAINT.	MAINTENANCE
MAX.	MAXIMUM
MECH.	MECHANICAL
M.C.	MAIL CHUTE
MTL.	METAL
MEZZ.	MEZZANINE
MFG.	MANUFACTURING
MFR.	MANUFACTURER
MGR.	MANAGER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTD.	MOUNTED
MUL.	MULLION
M.TH.	METAL THRESHOLD
MW.	MICROWAVE

N

(N)	NORTH
N.	NEW
NEG.	NEGATIVE
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
N.T.S.	NOT TO SCALE

O

O.A.	OVERALL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OFF.	OFFICE
O.H.	OPPOSITE HAND
OPNG.	OPENING
OPP.	OPPOSITE
ORIG.	ORIGINAL
O.R.D.	OVERFLOW ROOF DRAIN

P

PLAM.	PLASTIC LAMINATE
PLY.	PLYWOOD
PNL.	PANEL
PR.	PAIR
PREFAB.	PREFABRICATED
PROJ.	PROJECT
PTN.	PARTITION
PTD.	PAINTED

Q

QUAL.	QUALITY
QUAN.	QUANTITY

R

RE.	RELOCATE
R.	REMOVE
R/A	RETURN AIR
RAD.	RADIUS
R.D.	ROOF DRAIN
RECEP.	RECEPTACLE
REF.	REFERENCE
REFL.	REFLECTED
REINF.	REINFORCED
RESIL.	RESILIENT
REQ'D.	REQUIRED
R.H.	RIGHT HAND
RM.	ROOM
RND.	ROUND
R.O.	ROUGH OPENING
REV.	REVISION

S

(S)	SOUTH
S.C.	SOLID CORE
SCHED.	SCHEDULE
SECT.	SECTION
SHT.	SHEET
SIM.	SIMILAR
SQ.	SQUARE
SF	SQUARE FEET
S.S.	STAINLESS STEEL
STA.	STATION
STD.	STANDARD
STRUCT.	STRUCTURAL
SUSP.	SUSPEND(ED)
SYM.	SYMMETRICAL
SYS.	SYSTEM
SPL.	SPLASH

T

T.O.	TOP OF
T.O.C.	TOP OF CURB
T.O.G.	TOP OF GRADE
T.O.P.	TOP OF PAVEMENT
T.O.S.	TOP OF SLAB
T.O.B.	TOP OF BLOCK
T.O.D.	TOP OF DOOR
T.B.	TUBE BEARING
T.O.W.	TOP OF WALL
TEL.	TELEPHONE
TEMP.	TEMPORARY
T/G	TONGUE IN GROOVE
THK.	THICK(NESS)
TYP.	TYPICAL

U

U.L.	UNDERWRITER'S LAB.
UTIL.	UTILITY
U.O.N.	UNLESS OTHERWISE NOTED

V

VERT.	VERTICAL
VEST.	VESTIBULE
V.I.F.	VERIFY IN FIELD
VOL.	VOLUME
VER.	VERIFY
VCT	VINYL COMPOSITION TILE
VTR	VENT THRU ROOF

W

(W)	WEST
W.C.	WATER CLOSET
W/D	WASHER/DRYER
WDW.	WINDOW
W.H.	WATER HEATER
WS	WEATHERSTRIPPING

GENERAL NOTES

1. THE CONTRACTOR IS HEREBY SPECIFICALLY DIRECTED AS A CONDITION OF THE CONTRACT, TO ACQUAINT HIMSELF WITH THE ARTICLES CONTAINED IN THE GENERAL NOTES AND TO NOTIFY AND APPRISE ALL SUBCONTRACTORS AND ALL OTHER PARTIES OF THE CONTRACT OF, AND BIND THEM TO ITS CONDITIONS.

2. INFORMATION ON PLANS IS A GRAPHIC REPRESENTATION. FOR ADDITIONAL INFORMATION OF RELATED WORK, SEE THE PROJECT SPECIFICATIONS.

3. DO NOT SCALE DRAWINGS - WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, NOTIFY ARCHITECT IN WRITING FOR WRITTEN CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION. CONSTRUCTION PLAN BY ARCHITECT SUPERCEDES ALL OTHER PLANS UNLESS OTHERWISE STATED IN WRITING.

4. THE CONTRACTOR SHALL REVIEW DOCUMENTS AND VERIFY DIMENSIONS AND FIELD CONDITIONS. ANY CONFLICTS, OMISSIONS OR DISCREPENCIES SHALL BE REPORTED IN WRITING THREE (3) BUSINESS DAYS BEFORE RETURN OF BID. THE GENERAL CONTRACTOR WARRANTS, BY TENDERING HIS BID, THAT WORK IS BUILDABLE AS SHOWN.

5. THE CONTRACTOR SHALL FILE , OBTAIN AND PAY FEES FOR BUILDING DEPARTMENT AND ALL OTHER AGENCY APPROVALS AND PERMITS, CONTROLLED INSPECTIONS, AND FINAL WRITE-OFFS FOR PROJECT COMPLETION. COPIES OF TRANSACTIONS ARE TO BE FORWARDED TO THE PROJECT MANAGER AND BUILDING MANAGEMENT PRIOR TO COMMENCING WORK.

6. THE CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS NECESSARY TO OBTAIN THE CERTIFICATE OF OCCUPANCY.

7. THE CONTRACTOR SHALL MAINTAIN FOR THE ENTIRE LENGTH OF HIS CONTRACT, EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES, AND ALARMS TO CONFORM TO LOCAL BUILDING CODE REQUIREMENTS AND LANDLORD REQUIREMENTS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTION AND/OR MISALIGNMENT IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS AND GOOD PRACTICE.

10. THE CONTRACTOR SHALL, IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, APPLY, INSTALL, CONNECT, ERECT, CLEAN, AND/OR CONDITION MANUFACTURED ARTICLES, MATERIALS AND/OR EQUIPMENT.

11. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE WORK BY OUTSIDE VENDORS INCLUDING BUT NOT LIMITED TO TELEPHONE, DATA, AND 'OWNERS FORCES' ITEMS. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND SHALL DO THE CUTTING, FITTING AND PATCHING REQUIRED TO RECEIVE THE WORK OF OTHERS AS SHOWN OR REASONABLY IMPLIED BY THE DRAWINGS AND SPECIFICATIONS.

12. ALL COMBUSTIBLE MATERIALS SHALL MEET APPLICABLE CODES. WOOD SHALL BE FIRE RETARDANT TREATED. WHERE REQUIRED.

18. IN THE EVENT OF INCONSISTENCIES AMONG THE CONTRACT DOCUMENTS, THE ARCHITECT SHALL INTERPRET THEM WHEN ASKED TO DO SO BY THE OWNER OR CONTRACTOR. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE RESULTS OF SUCH INTERPRETATIONS MADE BY OTHERS.

20. DRAWINGS AND DIAGRAMS FOR MECHANICAL AND ELECTRICAL WORK SHALL BE CONSIDERED AS DIAGRAMMATIC ONLY AND NOT TO BE USED FOR ANY STRUCTURAL GUIDANCE OR PHYSICAL LAYOUT. IN CASE OF CONFLICT, UNLESS OTHERWISE NOTED, THE ARCHITECT'S DRAWINGS SHOWING LOCATIONS FOR MECHANICAL AND ELECTRICAL ITEMS AND APPURTENANCES SHALL TAKE PRECEDENCE.

21. ALL PIPING AND CONDUITS SHALL BE CONCEALED WITHIN WALLS, UNDER FLOOR DECK, ABOVE CEILING OR IN ARCHITECT-APPROVED UTILITY SPACES IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. EXPOSED ITEMS MUST BE LOCATED IN AREAS APPROVED BY THE ARCHITECT. EXPOSED ITEMS SHALL BE INSTALLED AND FINISHED TO PROVIDE MINIMAL VISUAL IMPACT.

22. GENERAL CONTRACTOR SHALL COORDINATE ALL WORK OF SUB-CONTRACTORS.

23. UNLESS OTHERWISE NOTED, IT IS THE INTENTION OF THE DRAWINGS AND SPECIFICATIONS FOR ALL WORK, EQUIPMENT, CASEWORK, MECHANICAL, ELECTRICAL AND SIMILAR DEVICES OF WHATEVER NATURE, BE COMPLETELY INSTALLED, HOOKED-UP, MADE OPERATIONAL AND FUNCTIONAL FOR THE PURPOSE INTENDED, AND THAT ALL COSTS FOR THIS BE INCLUDED IN THE CONTRACTOR'S PROPOSAL.

24. ADDITIONAL GENERAL NOTES ARE LOCATED THROUGHOUT THE DRAWINGS.

STANDARDS AND CODES

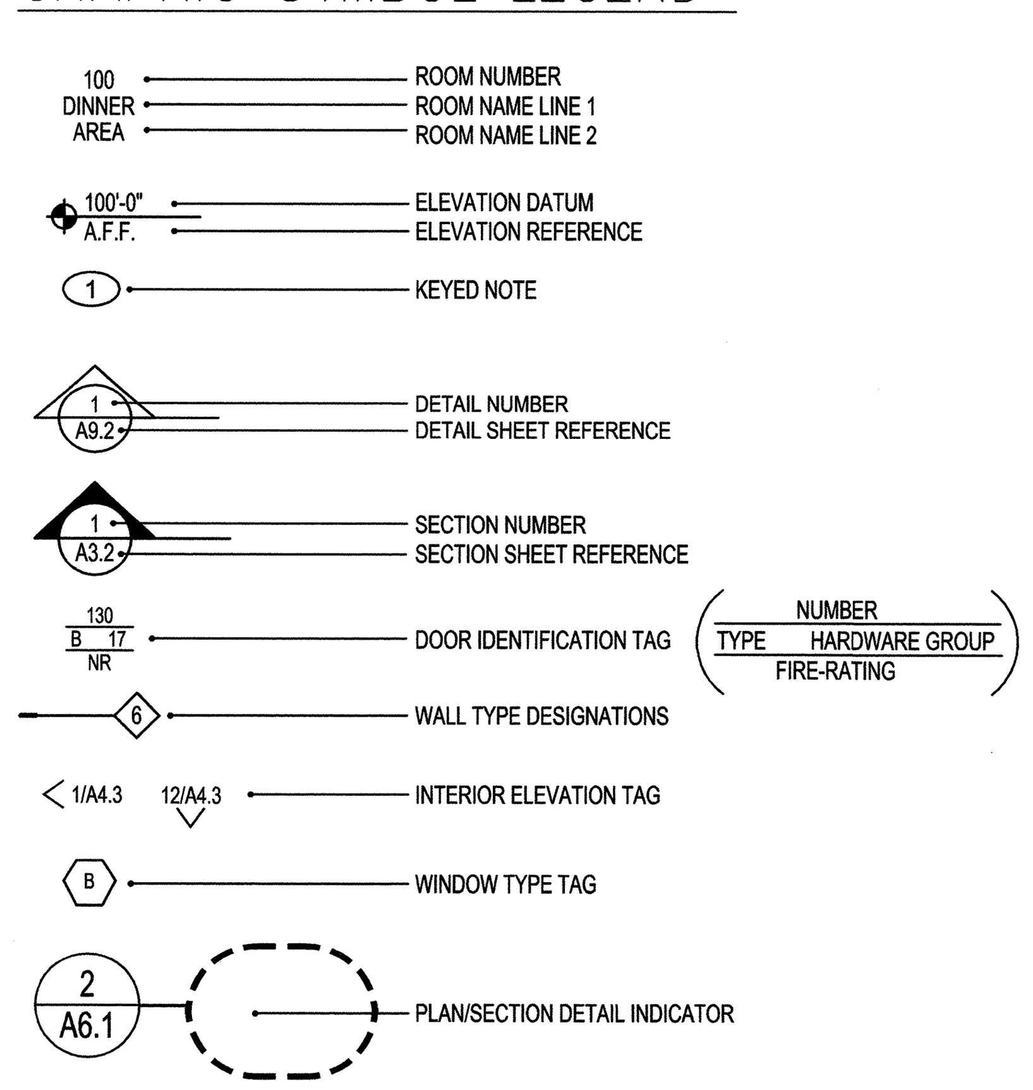
25. GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, CODES, RULES, AND REGULATIONS BEARING ON THE CONDUCT OF THE WORK. IF THE CONTRACTOR OBSERVES THAT THE DRAWINGS AND SPECIFICATIONS ARE AT VARIANCE THEREWITH, PROMPTLY NOTIFY THE ARCHITECT AND NECESSARY CHANGES SHALL BE MADE IN ACCORDANCE WITH THE GENERAL CONDITIONS.

26. IF THE CONTRACTOR KNOWINGLY PERFORMS ANY WORK WHICH IS CONTRARY TO SUCH LAWS, ORDINANCES, CODES, RULES AND REGULATIONS, HE SHALL PROMPTLY MAKE ALL CHANGES AS REQUIRED TO COMPLY THEREWITH AND BEAR ALL COSTS ARISING THEREFROM.

27. CONFLICTS: IN CASE OF CONFLICTS WITHIN THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.

28. WHERE CODES OR REGULATIONS, OTHER THAN THOSE LISTED IN THIS SECTION, ARE REFERRED TO IN VARIOUS SECTIONS OF THE SPECIFICATIONS, IT SHALL BE UNDERSTOOD THAT THEY APPLY TO THIS WORK AS FULLY AS IF CITED HEREIN.

GRAPHIC SYMBOL LEGEND



APPLICABLE CODES

Buidling codes adopted by the agency having jurisdiction or otherwise utilized at the time of this code analysis.
*All references are to the UBC unless noted otherwise.

Uniform Building Code (UBC) - 1997
New Mexico Building Code (NMBC) - 1997
Uniform Fire Code (UFC) - 1997
Uniform Mechanical Code (IAPMO) - 1997
Uniform Plumbing Code (IAPMO) - 1997
Accessible and Usable Buildings and Facilities (ANSI) A117.1 - 1998
Americans with Disabilities Act Design Guidelines (ADA) - 1992
NFPA 101/Life Safety Code (LSC) - 1997 Edition
National Fire Protection Association (NFPA) - 1997
New Mexico Plumbing and Electric Code - 1997
National Electrical Code and New Mexico Electric Code - 1999

OCCUPANCY CLASSIFICATION

Principal Group — Table 3A
Group B - Fire Station and Police Station (304.1, 12 and 16)

CONSTRUCTION TYPE

Table 6A: Type V-N (606.1)

OCCUPANT LOAD

45

WALL AND OPENING PROTECTION

*Based on Occupancy Group B
*Based on Construction Type V-N

Table 5A

Fire resistance of exterior walls	Openings in exterior walls
1 hour less than 20 feet	Not permitted less than 5 feet
NR elsewhere	Protected less than 10 feet

OCCUPANCY SEPARATION REQUIRED

Table 3B (302) Not Applicable

MAX. ALLOWABLE FLOOR AREA

Table 5B
8,000 sf (Table 5B, basic allowable) + [8,000 sf x -% x - '(505.1.3. Separation on three sides)] = 8,000 sf x 2 (505.3. Automatic Sprinkler System) = 16,000 sf

ACTUAL FLOOR AREA

Total Roofed Area: Existing 7,497 sf
Addition 1,500 sf
Gross Enclosed Area: 8,997 sf

Exterior Courtyards and Equipment Enclosures: 829 sf

MAXIMUM ALLOWABLE HEIGHT

Table 5B - 2 stories, 55 feet

SPECIAL HAZARDS

304.8 - Not Applicable

LIGHT AND VENTILATION

By natural or artificial means in accordance with 304.5. 1202.1. 1202.2 and 1202.2.2

EXIT COURTS

1006.3.5 - Not Applicable

SMOKE BARRIERS

Not Applicable

Requirements based on Construction Type V–N (See Section 606)

Table 6-A

Exterior bearing walls	NR
Interior bearing walls	NR
Exterior non-bearing walls	NR
Structural frame	NR
Permanent partitions	NR
Shaft enclosures	1 Hour (per Table 6A and 711)
Floors and floor-ceilings	NR
Roofs and roof-ceilings	NR
Exterior doors and windows	503.2 and Table 5A
Stairways	603.4 and Chapter 10

Parapet Walls

Section 709.4 (Not required 709.4.1)

Guard Rails

Section 509

Where required — 509.1 Stairways, landings, ramps, balconies, porches, over 30" obove floor or grade: unenclosed floor and roof openings: roofs other than service of the building.

Height required — 509.2 42 inches min.

Openings in guard rails — 509.3 Shall not exceed a 4" sphere at typical locations: 12" where not accessible to the public. Triangular opening formed by

Toilet Room Requirements

UBC Appendix Chapter 29

Minimum Plumbing Fixtures

Building square footage- 8,997/200 sf=45
Occupant Load = 42
22.5 females and 22.5 males

Water Closets:	Male (1:1-15, Table A-29A)	2 Required 2 Provided
	Female (1:1-15, Table A-29A)	2 Required 3 Provided
Urinals/Lavatories:	Male (1 per 2 WC, Table a-29A)	1 Required 2 Provided
	Female (1 per 2 WC, Table a-29A)	1 Required 2 Provided
Showers/		0 Required 2 Provided
Drinking fountains:	1 per 150 required	1 Required 2 Provided

Water Closet Compartments/Showers

807: Walls: 2 feet in front and sides of fixture: smooth, hard, non-absorbent and extends 4 feet above floor. Floors: Smooth, hard, non-absorbent materials and extends upward a minimum of 5 inches onto the walls

Clearances — 2904: 30 inches wide (clear) by 24 inches (clear) in front of the water closet stool.

Handicapped — Refer to UBC Chapter 11, Also review NMBC, ANSI and ADA to determine which code is more stringent

Fire Alarm

304: Not required by code. Provided.

Smoke Detectors

Not required by code. Provided.

Handicap Accessibility

ANSI 702: Controls and operating mechanisms shall be within reach: 702.2 & 702.3 Alarm systems shall include both audible and visible alarms: 702.1.

Exits and Stairs

Chapter 10

Minimum Width of Exits — Table 10-B: (0.2 inch/occupant for exits. 0.3 inch/occupant for stairs) 1003.3.3.2. minimum stairs 36": 1003.3.1.3. Minimum door leaf width = 36": 1003.3.1.4. max. leaf wid. allowed = 48"

Max. Allowable Travel Dist. to Exit — 1004.25.2.2. If building is equipped with automatic sprinkler system max. allow. dist. shall not exceed 250' + 100' for corridor increase (1004.2.5.2.3.)

Exit Corridors

Section 1004.3.4

Minimum Allowable Width — 1004.3.4.2: Min. corridor width = 44", 36" if occupant load served is less than 50

Dead-end corridors allowed — 1004.2.6: No: when more than one exit is required the max. dead-end corridor length shall not exceed 20 feet.

Wall Fire-resistance required — 1004.3.4.3: 1-hour fire-resistant construction each side. 1004.3.4.3: Exception 5: one-hour fire-resistant corridor constr. is not required in office spaces with 100 or fewer occupants and building is equipped with an automatic sprinkler system.

Door and frames (fire resistance) — 1004.3.4.3.2.1: 20 minute. Doors need not be fire-rated when corridors are not required to be fire-resistant - 1004.3.4.3.

Minimum height — 1003..2.4: 7' above walking surface to lowest proj. from ceiling

Roof Access

Permanent access to roof requirement — 1003.3.3.12: Not required: less than four stories (roof hatch access provided)

Ramps

Section 1003.3.4

Max. slope to use as an exit — 1003.3.4.3: 1:12 for accessible route: 1:8 elsewhere
Handrails required? — ANSI 405.8: yes, if rise is greater than 6"/slope greater than 1:12
Edge protection required? — ANSI 405.9: yes

Exit Signs Required

1003.2.8.2: Yes

Fire–extinguishing Systems

Sprinklers required — Buidlings: Entire building to be sprinkled as required by Fire Chief.
Fire extinguishers required — As required by Fire Chief. See also NFPA 10.

Fire-resistance standards for interior wall and ceiling finish: — Chapter 8
Controlled Interior Finish — Refer to Section 803
Max. Flame Spread — 804.1 Exception 2: Class of finishes may be reduced (min. class III) with automatic sprinkler system

Fire–resistance Standards

Chapter 7

Glazing in fire assemblies — 713.7: Size of openings in fire doors.
713.8: Max. fire window size.
713.9: Gazing per UBC standards

Fire dampers required — 713.11

Emergency Light/Power Requirements

1003.2.9.1: Any time a building is occupied the means of egress shall be illuminated to not less than 1 foot candle
1003.2.9.2: Illumination shall be automatically provided from an emerg. system for Group ?. Div. 1.1 occupancies.

Special Hazard Requirements

Section 302.5 and 304.8
Rooms containing a boiler, central heating plant, or hot water supply boiler shall be separated from the rest of the building by not less than a one-hour occupancy separation.

Special Structural Requirements

Framework — Steel, reinforced concrete, masonry, cold-form steel, wood: ref: 606.2
Roofs — Class C: ref: table 15-A
Partitions — Non-combustible, may have fire-retardant treated wood if not part of a shaft enclosure: ref: 602.1

Structural Requirements

Live Load-Floors — Chapter 16 d
I no
Table 16-Ao
Offices: 50 psf
Restrooms: 50 psf

Live Load-Roofs — Table 16-C
Flat (less that 4:12): 20 psf (non-reducible)

Seismic Requirements: — Chapter 16
Seismic Zone — Zone 2B (Albuquerque, NM) - Fig. 16-2. volume 2
Seismic Zone Factor — Z = .2 (Zone 2B)
Occupancy Category — 1.15 (wind) 1.25 (seismic) Special Occupancy Structures (type 1)- Table 16-K vol. 2

Minimum Wind Pressures Allowed

See Graph 24-1

Basic wind speed — 75 mph figure 16-1. vol. 2 (Gallup, NM)
Wind load/Pressure coefficients — See table 16-H, vol. 2

Glass and Glazing

Chapter 24

Area Limitations — Graph 24-1 (maximum allowable area of glass)
Safety Glazing — 2406: Areas of human impact

Roof Drainage

Section 1506

Roof Slope Minimum — 1506.1: 1/4"/ft. (2% min.)
Roof Drain Location — 1506.2: Low point of roof (see plumbing code)
Overflow Drains Location — 1506.3: 2" above inlet of roof drain or overflow scuppers 3 times the size of the roof drain

Installation of Wall/Ceiling Coverings

Chapter 25

Exterior Lath — 2506: Weather-resistant barriers required: ref. to 2506.4
Maximum spacing of supports — Table 25-B
Weep Screed Required — 2506.5: Yes
Suspended Ceilings Required — 2504
Size for Wire Hangers — Table 25-A
Size and Span for Cross-furring — Table 25-A

Lateral Force Bracing

25210: N/A if less than 144sf and connected directly to the structure above
25.211: Minimum design loads (lateral forces)

DRAWING INDEX

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
GENERAL INFORMATION

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of **
6759.01	F-19-Z		

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	10/14/03	PLAN CHECK CORRECTIONS	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast" Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
AS NOTED

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.
0207B-NE-G0.2

DATE
SEPTEMBER, 2003

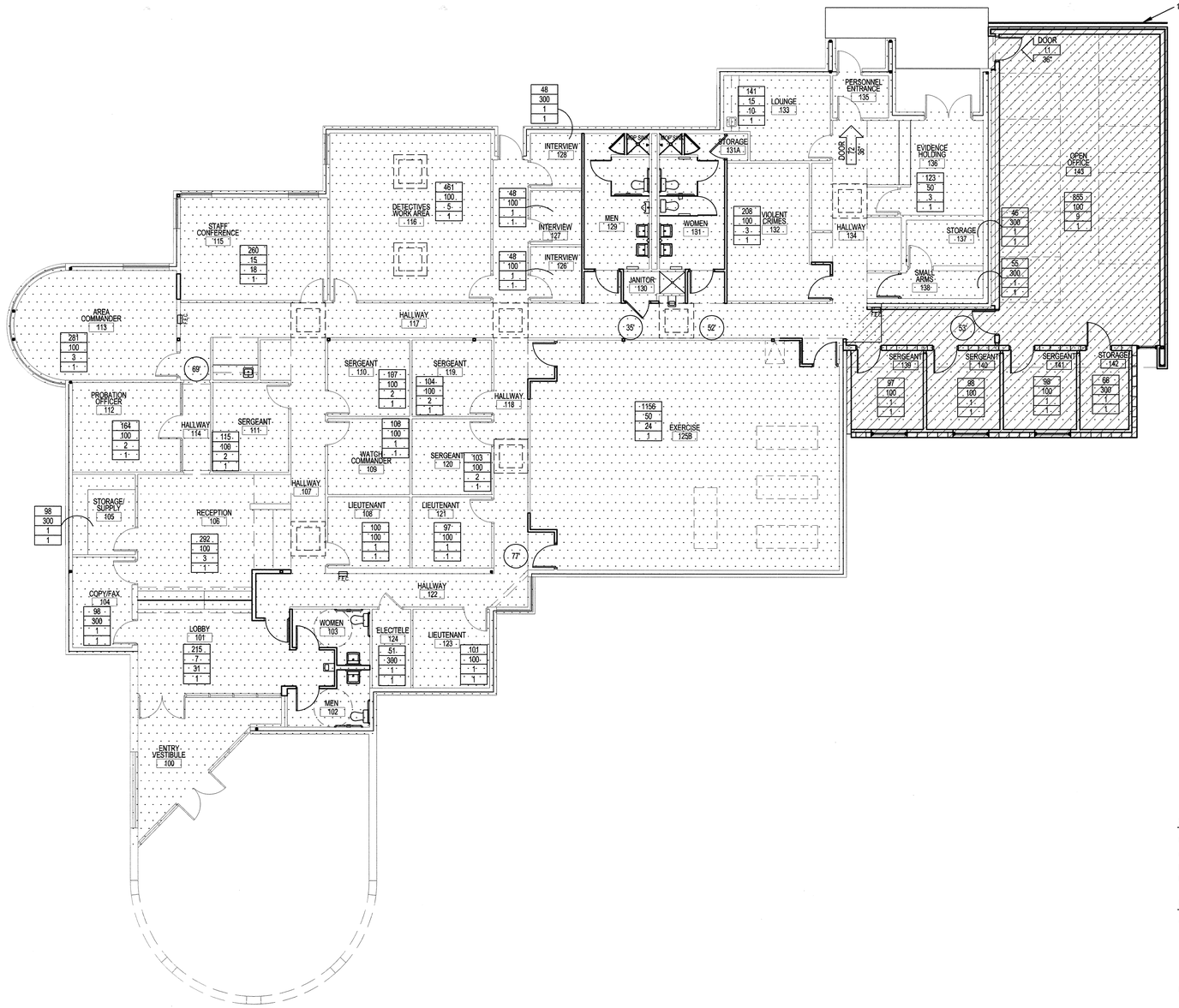
PROJECT MANAGER
DANIEL CHAVEZ

DRAWN BY
DC, APZ

SHEET TITLE
GENERAL INFORMATION

SHEET NUMBER
G0.2

STATE OF NEW MEXICO
DON HOWARD MAY
NO. 2733
REGISTERED ARCHITECT
[illegible]
17 Nov. 03



1 CODE ANALYSIS PLAN

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

0 4' 8' 16'

Model Energy Code Calculations
for
APD John Carrillo Substation

Mechanical System: Gas-fired heating/D-X cooling rooftop Units
Location: Albuquerque, New Mexico Heating Degree Day: 4292

Code Requirements
Wall U_O = 0.30 Btu/hr-°F-ft²
Roof OTTVr = 8.50 Btu/hr-ft²
Perimeter Insul = 4.00 hr-ft²-°F/Btu
Roof TDeqr = 54°F
Wall TDeq = 28°F
Wall OTTVw = 32 Btu/hr-°F-ft²

Actual Conditions
$Wall_1$ = 8" CMU, R-17 Batt Insulation, 5/8" Gypsum Board
U1 = 0.050 Btu/hr-°F-ft²
Area1 = 468 ft²

$Wall_2$ = 4" Face Brick, 5/8" sheathing, R-19 Batt Insulation, 5/8" Gypsum Board
U2 = 0.046 Btu/hr-°F- ft²
Area2 = 967 ft²

Door = Insulated Hollow Metal
Usd = 0.56 Btu/hr-°F- ft²
Aread = 21 ft²

Store Front = 1" insulating glass
Ud = 0.63 Btu/hr-°F- ft²
Aread = 90 ft²

Windows = 1" insulating glass
Uw = 0.48 Btu/hr-°F- ft²
Areaw = 20 ft²

Roof = Membrane Roofing, 5" Polyiso Rigid Insulation, Metal Deck
Ur = 0.032 Btu/hr-°F- ft²
Arear = 1,500 ft²

Perimeter Insulation = 1" thick extruded polystyrene
R = 5.0 hr-°F- ft²/Btu

Calculations

Wall
$U_O = \frac{(0.050)(468) + (0.046)(967) + (0.56)(21) + (0.63)(90) + (0.48)(20)}{468+967+21+90+20}$
U_O = 0.093 Btu/hr-°F-ft² This is better than the minimum Code required value.

Roof
$OTTV_R = \frac{(0.032\ Btu/hr\text{-}°F\text{-}ft^2)(1{,}500\ ft^2)(54°F)}{1{,}500\ ft^2}$ = **1.73 Btu/hr**
$OTTV_R$ = 1.73 Btu/hr This value is better than the minimum Code required value.

Perimeter
R = 5.0 Btu/hr-°F-ft² This value is better than the minimum Code required value.

SQ. FT/ OCCUPANT LOAD FACTOR = OCCUPANCY

8997 SQ. FT. / 200 = 45

OCCUPANT LOAD = 45
MALE= 22.5
FEMALE= 22.5

PLUMBING FIXTURE COUNT

WATER CLOSETS:	MALE (2:16-35, TABLE A-29-A)	2 REQUIRED 2 PROVIDED
	FEMALE (2:16-35, TABLE A-29-A)	2 REQUIRED 3 PROVIDED
LAVATORIES:	1 PER 2 WC, TABLE a-29A	
URINALS:	URINAL MAY REPLACE WATER CLOSET NOT TO EXCEED LESS THAN HALF WC'S REQUIRED	

ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES

CODE SYMBOLS LEGEND

EXTENT OF ADDITION

ACCESSORY USE AREAS

1-HOUR FIRE SEPARATION WITH 60 MIN. DOORS AT ALL LEVELS (NOTE: 30" ABOVE ADJACENT ROOFS)

DOOR 240 36" EGRESS CAPACITY OF DOOR AT 0.2"/PERSON

? APPROXIMATE TRAVEL DISTANCE FROM THIS AREA TO NEAREST EXIT

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: CODE ANALYSIS PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

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AS NOTED

RMKMa PROJECT NO.
0207B

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0207B-NE-G0.3

DATE
SEPTEMBER, 2003

PROJECT MANAGER
DANIEL CHAVEZ

DRAWN BY
DC, APZ

STATE OF NEW MEXICO
DON HOWARD KELLER
NO. 2733
17 NOV 03
REGISTERED ARCHITECT

GENERAL CONSTRUCTION NOTES

GENERAL

CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, INCLUDING A TOP SOIL DISTURBANCE PERMIT, PRIOR TO START OF CONSTRUCTION.

ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

REFERENCES MADE TO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS REFER TO THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION WITH ALL UPDATES.

THE CONTRACTOR SHALL NOT INSTALL ITEMS AS SHOWN ON THESE PLANS WHEN IT IS OBVIOUS THAT FIELD CONDITIONS ARE DIFFERENT THAN SHOWN IN THE PLANS. SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN A TIMELY MANNER. IN THE EVENT THE CONTRACTOR DOES NOT NOTIFY THE ENGINEER IN A TIMELY MANNER, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY AND EXPENSE FOR ANY REVISIONS NECESSARY, INCLUDING ENGINEERING DESIGN FEES.

EXISTING SITE IMPROVEMENTS WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. REPAIRS SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION OF THE REPAIRS. REPAIRS SHALL BE ACCEPTED BY THE OWNER PRIOR TO FINAL PAYMENT.

EXISTING FENCING THAT IS NOT DESIGNATED FOR REMOVAL SHALL NOT BE DISTURBED. ANY FENCING THAT IS DISTURBED OR ALTERED BY THE CONTRACTOR SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTORS EXPENSE. IF THE CONTRACTOR DESIRES TO REMOVE FENCING TO ACCOMMODATE CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL OBTAIN THE OWNER'S WRITTEN PERMISSION BEFORE THE FENCE IS REMOVED. CONTRACTOR SHALL RESTORE THE FENCE TO ITS ORIGINAL CONDITION AT THE EARLIEST OPPORTUNITY. WHILE ANY FENCING IS REMOVED, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SECURITY OF THE SITE UNTIL THE FENCE IS RESTORED.

WORK WITHIN ADJACENT RIGHT-OF-WAY

PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WITHIN ADJACENT RIGHT-OF-WAYS OR WITHIN PROPERTY NOT OWNED BY THE OWNER OF THE PROJECT SITE, THE CONTRACTOR SHALL ASSURE THAT ALL PERMITS AND PERMISSIONS REQUIRED HAVE BEEN OBTAINED IN WRITING.

SURVEY MONUMENTS, PROPERTY CORNERS, BENCHMARKS

THE CONTRACTOR SHALL NOTIFY THE OWNER AT LEAST SEVEN DAYS BEFORE BEGINNING ANY CONSTRUCTION ACTIVITY THAT COULD DAMAGE OR DISPLACE SURVEY MONUMENTS, PROPERTY CORNERS, OR PROJECT BENCHMARKS SO THESE ITEMS MAY BE RELOCATED.

ANY SURVEY MONUMENTS, PROPERTY CORNERS, OR BENCHMARKS THAT ARE NOT IDENTIFIED FOR RELOCATION ARE THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE AND PROTECT, RELOCATION OR REPLACEMENT OF THESE ITEMS SHALL BE DONE BY THE OWNER'S SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.

DIMENSIONS

ALL DIMENSIONS TO CURBS ARE TO THE FLOWLINE UNLESS OTHERWISE NOTED.

ALL STATIONING IS TO THE CENTERLINE OF THE RIGHT-OF-WAY UNLESS OTHERWISE NOTED.

ALL SLOPES AND GRADES ARE IN PERCENT UNLESS OTHERWISE NOTED.

CURB ELEVATIONS ARE SHOWN AT THE FLOW LINE UNLESS OTHERWISE NOTED. SEE THE DETAIL SHEET TO DETERMINE THE CURB HEIGHT ABOVE FLOW LINE.

SOILS

UNLESS OTHERWISE SPECIFIED, SUBGRADE, ENGINEERED FILL, AND STRUCTURAL FILL SHALL BE COMPACTED TO THE FOLLOWING SPECIFICATIONS OF THE ASTM D-1557 MAXIMUM DRY DENSITY.

MATERIAL/LOCATION	PERCENT COMPACTION
STRUCTURAL FILL IN THE BUILDING AREA	95%
SUBBASE FOR SLAB SUPPORT	95%
MISCELLANEOUS BACKFILL BELOW STRUCTURAL FILL OR ROADWAY PAVEMENT	95%
MISCELLANEOUS BACKFILL BELOW UNPAVED, NON-BUILDING AREAS	90%
ROADWAY PAVEMENT SUBGRADE	95%
SIDEWALK SUBGRADE	90%
CURB AND GUTTER SUBGRADE	95%

PAVEMENT

WHEN ABUTTING NEW PAVEMENT TO EXISTING PAVEMENT, CUT EXISTING PAVEMENT EDGE TO A NEAT, STRAIGHT LINE AS NECESSARY TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW PAVEMENT ELEVATION TO EXISTING.

ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED AND APPROVED PRIOR TO PAVING.

ALL WATER VALVE BOXES AND ELECTRICAL, TELEPHONE, TELEVISION, AND SEWER MANHOLES IN THE CONSTRUCTION AREA SHALL BE ADJUSTED TO FINISHED GRADE BEFORE PAVING.

WHEN SIDEWALK OR CURB AND GUTTER IS REMOVED, IT SHALL BE REMOVED TO EXISTING CONSTRUCTION JOINTS. CUTTING OR BREAKING SHALL NOT BE ALLOWED.

UTILITIES

IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY BASED ON THE INFORMATION PROVIDED TO THE ENGINEER BY OTHERS. THIS INFORMATION MAY BE INACCURATE OR INCOMPLETE. ADDITIONALLY, UNDERGROUND LINES MAY EXIST THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ACCORDANCE WITH CHAPTER 62, ARTICLE 14-1, THROUGH 14-8, NMSA 1978.

THE CONTRACTOR SHALL CONTACT THE STATEWIDE UTILITY LOCATOR SERVICE AT 1-800-321-2537 AT LEAST TWO WORKING DAYS BEFORE BEGINNING CONSTRUCTION. AFTER THE UTILITIES ARE SPOTTED, THE CONTRACTOR SHALL EXPOSE ALL PERTINENT UTILITIES TO VERIFY THEIR VERTICAL AND HORIZONTAL LOCATION. IF A CONFLICT EXISTS BETWEEN EXISTING UTILITIES AND PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMAL DELAY.

THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES, ABOVE OR BELOW GROUND. UTILITIES THAT ARE DAMAGED BY CARELESS CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

EXISTING VALVES SHALL ONLY BE OPERATED BY THE UTILITY COMPANY. CONTRACTOR SHALL NOTIFY THE UTILITY A MINIMUM OF TWO WORKING DAYS BEFORE ANY VALVE, NEW OR EXISTING, NEEDS TO BE OPERATED.

THE CONTRACTOR SHALL COORDINATE ANY REQUIRED UTILITY INTERRUPTIONS WITH THE OWNER AND AFFECTED UTILITY COMPANY A MINIMUM OF THREE WORKING DAYS BEFORE THE INTERRUPTION.

THE CONTRACTOR SHALL MAINTAIN A RECORD DRAWING SET OF PLANS AND PROMPTLY LOCATE ALL UTILITIES, EXITING OR NEW, IN THEIR CORRECT LOCATION, HORIZONTAL AND VERTICAL. THIS RECORD SET OF DRAWINGS SHALL BE MAINTAINED ON THE PROJECT SITE AND SHALL BE AVAILABLE TO THE OWNER AND ENGINEER AT ANY TIME DURING CONSTRUCTION.

EROSION CONTROL, ENVIRONMENTAL PROTECTION, AND STORM WATER POLLUTION PREVENTION PLAN

THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL OBTAIN AND PREPARE ANY DUST CONTROL OR EROSION CONTROL PERMITS REQUIRED FROM THE REGULATORY AGENCIES.

THE CONTRACTOR SHALL PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITH THE PUBLIC RIGHT-OF-WAY OR ADJACENT PROPERTY TO KEEP IT FROM WASHING OFF THE PROJECT SITE.

THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY BY CONSTRUCTION OF TEMPORARY EROSION CONTROL BERMS OR INSTALLING SILT FENCES AT THE PROPERTY LINES AND WETTING THE SOIL TO PREVENT IT FROM BLOWING.

WATERING, AS REQUIRED FOR CONSTRUCTION DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED.

ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR IMPERVIOUS SURFACES SHALL BE REVEGETATED WITH RECLAMATION SEEDING. UNLESS OTHERWISE NOTED, ALL SLOPES SHALL BE 3:1 OR FLATTER.

THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF ALL ASPHALT REMOVED ON THE PROJECT BY HAULING IT TO AN APPROVED DISPOSAL SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEW MEXICO SOLID WASTE ACT.

ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNED FOR REMOVAL, CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.), GARBAGE, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC.. SHALL BE APPROPRIATELY DISPOSED OF OFFSET AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY PERMITS REQUIRED FOR HAUL OR DISPOSAL OF WASTED PRODUCTS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES, AND ARCHAEOLOGICAL RESOURCES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS, CHEMICALS, PAINT, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO EMERGENCY RESPONSE AT 1-800-219-6157.

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATION.

ACCESSIBLE FACILITIES

ALL SURFACES ALONG ACCESSIBLE ROUTES AND FOR HANDICAP RAMPS SHALL BE STABLE FIRM, SLIDE RESISTANT AND SHALL COMPLY WITH UNIFORM FEDERAL ACCESSIBILITY STANDARDS, PARAGRAPH 4.5.

LONGITUDINAL SLOPES ALONG ACCESSIBLE ROUTE SIDEWALKS, EXCEPT AT HANDICAP RAMPS, SHALL NOT BE STEEPER THAN 1:20. CROSS SLOPES ALONG ACCESSIBLE ROUTE SIDEWALKS EXCEPT AT HANDICAP RAMPS, SHALL NOT BE STEEPER THAN 1:48. SLOPES IN ACCESSIBLE PARKING SPACES, ACCESS AISLES, AND PASSENGER LOADING ZONES SHALL NOT BE STEEPER THAN 1:48 IN ALL DIRECTIONS.

THE SITE SHALL COMPLY WITH ANSI A117.1-1992, "ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES".

TRAFFIC CONTROL

THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TRAFFIC CONTROL PLANS. ALL SIGNS, BARRICADES, CHANNELIZATION DEVICES, SIGN FRAMES AND ERECTION OF SUCH DEVICES SHALL CONFORM TO THE REQUIREMENTS OF " MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" LATEST EDITION. PRIOR TO CONSTRUCTION, TRAFFIC CONTROL PLANS SHALL BE APPROVED BY THE GOVERNING AUTHORITY.

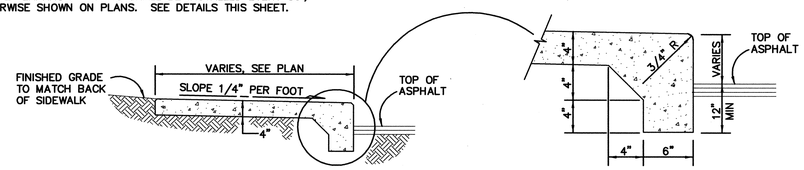
ABBREVIATIONS

AD	= AREA DRAIN	ELEC.	= ELECTRIC	NG	= NATURAL GROUND	SW	= SIDEWALK
BLDG	= BUILDING	ELEV	= ELEVATION	OE	= OVERHEAD ELECTRIC LINE	T	= TELEPHONE
BM	= BENCHMARK	EX	= EXISTING	OT	= OVERHEAD TELEPHONE LINE	TA	= TOP OF ASPHALT PAVEMENT
CATV	= CABLE TELEVISION LINE	FF	= FINISHED FLOOR ELEVATION	PCC	= PORTLAND CEMENT CONCRETE	TAC	= TOP OF ASPHALT CURB
CIP	= CAST IRON PIPE	FG	= FINISHED GRADE	PG	= PLAYGROUND GRADE	TC	= TOP OF CONCRETE SLAB (PAVEMENT)
CMP	= CORRUGATED METAL PIPE	FH	= FIRE HYDRANT	PP	= POWER POLE	TCC	= TOP OF CONCRETE CURB
CMPA	= CORRUGATED METAL PIPE ARCH	FL	= FLOW LINE	PROP	= PROPOSED	TG	= TOP OF GRATE
CO	= CLEANOUT	G	= GAS PIPE	PVC	= POLYVINYL CHLORIDE PIPE	TS	= TOP OF SIDEWALK
COA	= CITY OF ALBUQUERQUE	GM	= GAS METER	RCP	= REINFORCED CONCRETE PIPE	TW	= TOP OF WALL
CONC	= CONCRETE	GV	= GATE VALVE	RD	= ROOF DRAIN	TYP	= TYPICAL
CL	= CENTERLINE	HI PT	= HIGH POINT	R/W	= RIGHT-OF-WAY	TB	= TELEPHONE BOX
DIA	= DIAMETER	INV	= INVERT ELEVATION	S	= SLOPE	UE	= UNDERGROUND ELECTRIC
DIP	= DUCTILE IRON PIPE	LF	= LINEAL FEET	SAS	= SANITARY SEWER	UT	= UNDERGROUND TELEPHONE
DTL	= DETAIL	LP	= LIGHT POLE	SD	= STORM DRAIN	W	= WATER
DWG	= DRAWING	L/S	= LANDSCAPING	STA	= STATION	WM	= WATER METER
E	= ELECTRIC LINE	MH	= MANHOLE	STD	= STANDARD	WV	= WATER VALVE

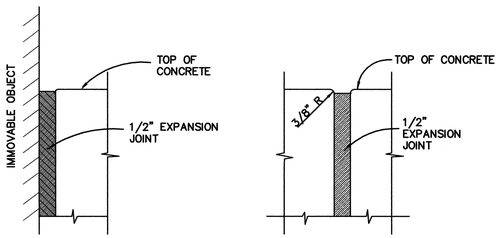
ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

CONSTRUCTION NOTES:

1. A CROSS SLOPE OF 1/4" PER FOOT SHALL BE PROVIDED AND SHALL SLOPE TOWARDS THE DIRECTION OF THE DRAINAGE AREA.
2. CONCRETE WALKS SHALL HAVE CONTRACTION JOINTS AT 6' INTERVALS. 1/2" EXPANSION JOINTS SHALL BE INSTALLED EVERY 36', UNLESS OTHERWISE SHOWN ON PLANS. SEE DETAILS THIS SHEET.
3. 1/2" EXPANSION JOINTS SHALL BE INSTALLED WHERE WALKS ABUT RIGID STRUCTURES, SUCH AS CURBS, BUILDINGS, OR LIGHT STANDARDS. SEE DETAIL THIS SHEET.

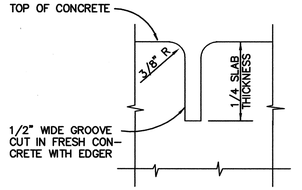


1 SIDEWALK DETAIL WITH TURNDOWN
N. T. S.



2 EXPANSION JOINT AT IMMOVABLE OBJECT
N. T. S.

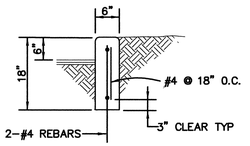
3 EXPANSION JOINT DETAIL
N. T. S.



4 CONTRACTION JOINT DETAIL
N. T. S.

CONSTRUCTION NOTES:

1. PROVIDE 1/2" EXPANSION JOINTS AT 36' O.C., AT IMMOVABLE OBJECTS, AND AT THE BEGINNING AND END OF CURVES.
2. PROVIDE CONTRACTION JOINTS @ 6' O.C.
3. ALL EXPOSED CONCRETE CORNERS TO HAVE 3/4" RADII.



5 CONCRETE HEADER CURB DETAIL
N. T. S.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP				
TITLE:				
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LARRY READ & ASSOCIATES
Civil Engineers
4800-C Juan Tabo, NE
Albuquerque, New Mexico 87111
(505) 237-8421

ISSUES & REVISIONS			
REV. #	DATE	DESCRIPTION	CHECK
	--/--/--	---	

PROJECT
City of Albuquerque Police Department
John Caarrillo-Northeast Area Command Headquarters

6404 Los Volcanes Rd NW
Albuquerque NM, 87121-8411

SCALE
NONE

RMKMc PROJECT NO.
0207

DRAWING FILE NO.
GEN_NOTES

DATE
September, 2003

PROJECT MANAGER
DON H. MAY

DRAWN BY
LDR

SHEET TITLE
CIVIL GENERAL NOTES

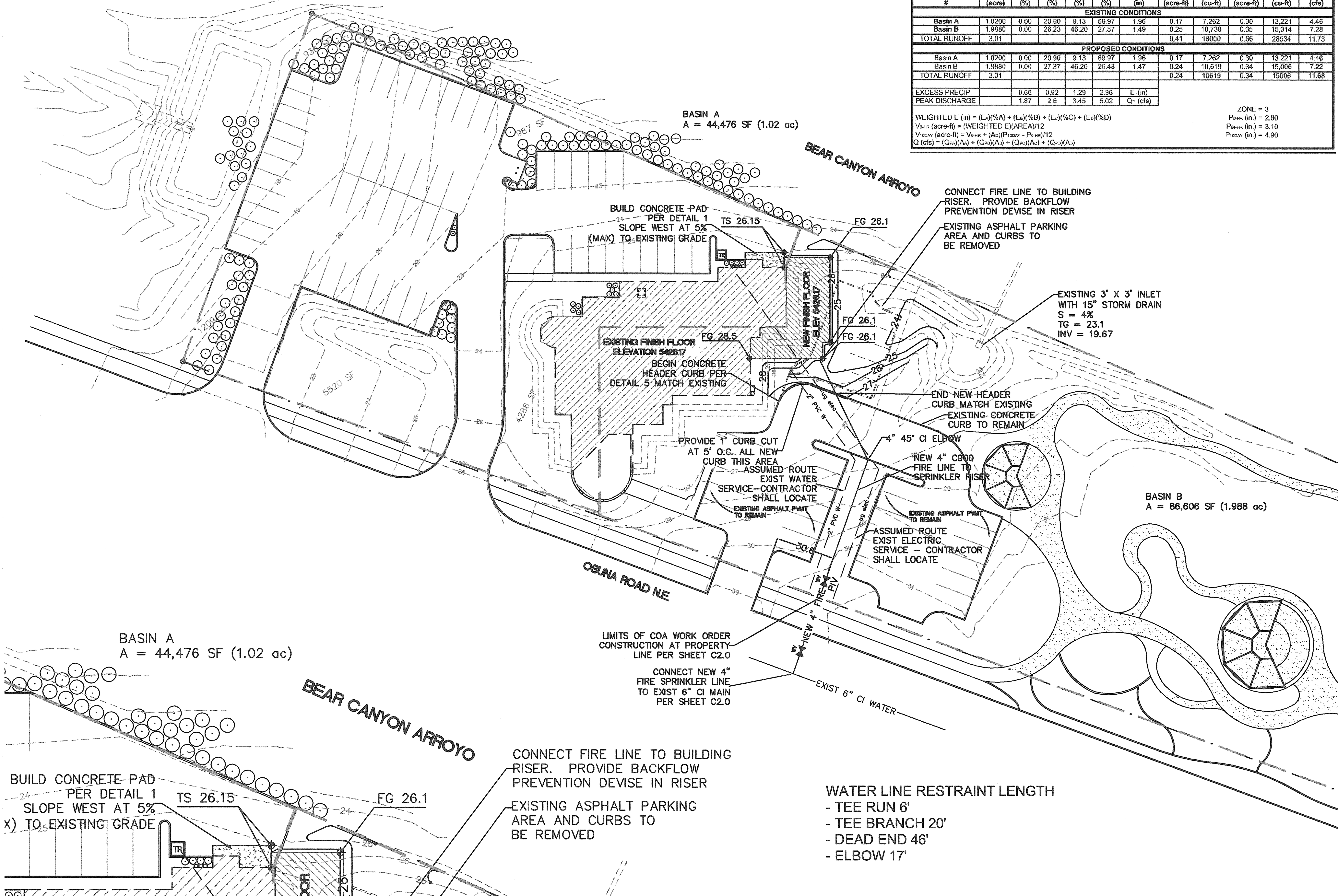
SHEET NUMBER
C0.1

100-YEAR HYDROLOGIC CALCULATIONS

BASIN #	AREA (acre)	LAND TREATMENT A (%)	B (%)	C (%)	D (%)	WEIGHTED E (in)	100-YEAR PRECIPITATION V (6-hr) (acre-ft)	V (6-hr) (cu-ft)	V(10 day) (acre-ft)	V(10 day) (cu-ft)	Q (cfs)
EXISTING CONDITIONS											
Basin A	1.0200	0.00	20.90	9.13	69.97	1.96	0.17	7,262	0.30	13,221	4.46
Basin B	1.9880	0.00	26.23	46.20	27.57	1.49	0.25	10,738	0.35	15,314	7.28
TOTAL RUNOFF	3.01						0.41	18000	0.66	28534	11.73
PROPOSED CONDITIONS											
Basin A	1.0200	0.00	20.90	9.13	69.97	1.96	0.17	7,262	0.30	13,221	4.46
Basin B	1.9880	0.00	27.37	46.20	26.43	1.47	0.24	10,619	0.34	15,006	7.22
TOTAL RUNOFF	3.01						0.24	10619	0.34	15006	11.68
EXCESS PRECIP.		0.66	0.92	1.29	2.36	E (in)					
PEAK DISCHARGE		1.87	2.6	3.45	5.02	Q (cfs)					

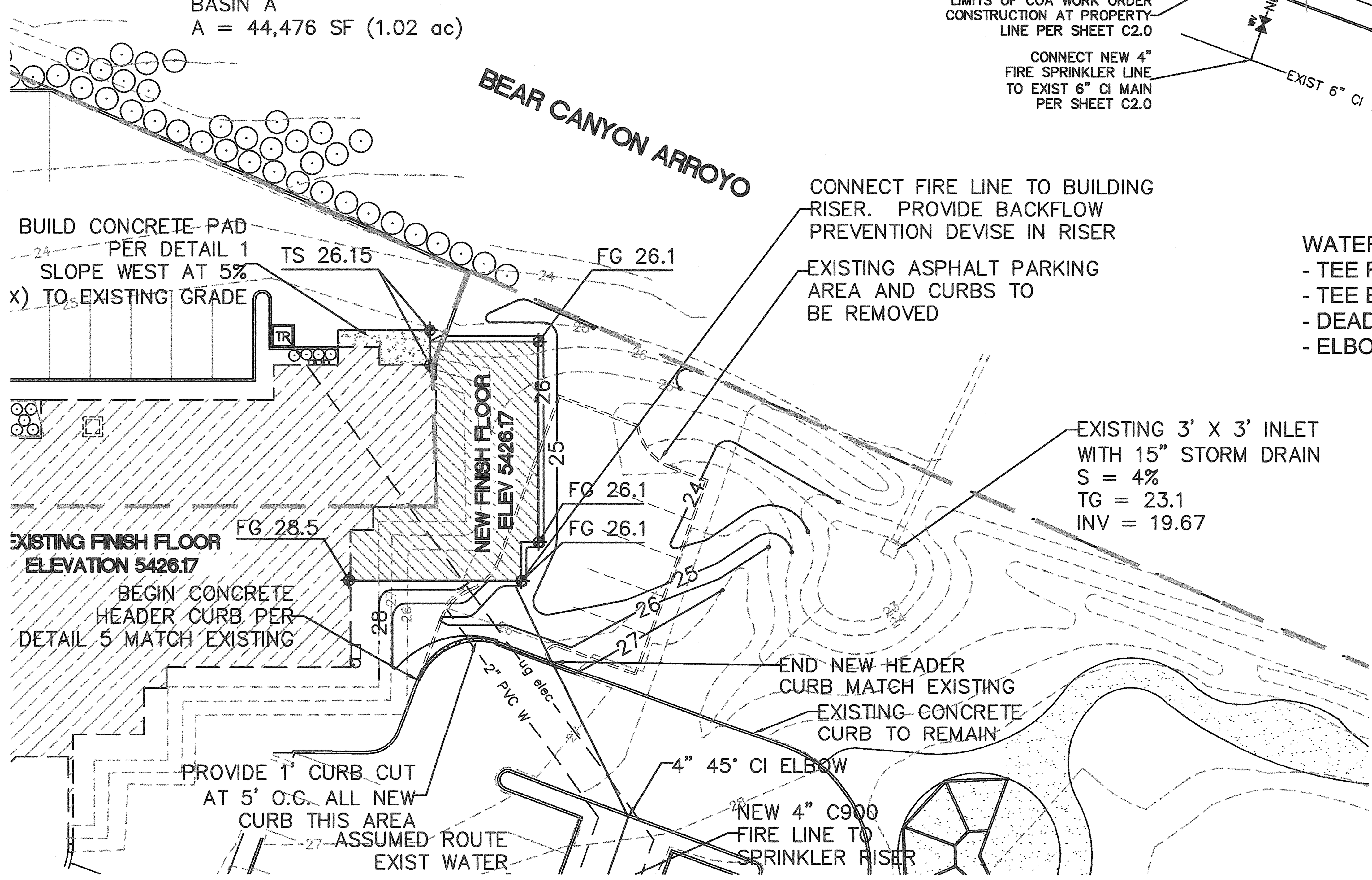
WEIGHTED E (in) = $(E_A)(\%A) + (E_B)(\%B) + (E_C)(\%C) + (E_D)(\%D)$
V_{6-HR} (acre-ft) = (WEIGHTED E)(AREA)/12
V_{10DAY} (acre-ft) = $V_{6-HR} + (A_D)(P_{10DAY} - P_{6-HR})/12$
Q (cfs) = $(Q_{PA})(A_A) + (Q_{PB})(A_B) + (Q_{PC})(A_C) + (Q_{PD})(A_D)$

ZONE = 3
P_{6-HR} (in.) = 2.60
P_{24-HR} (in.) = 3.10
P_{10DAY} (in.) = 4.90

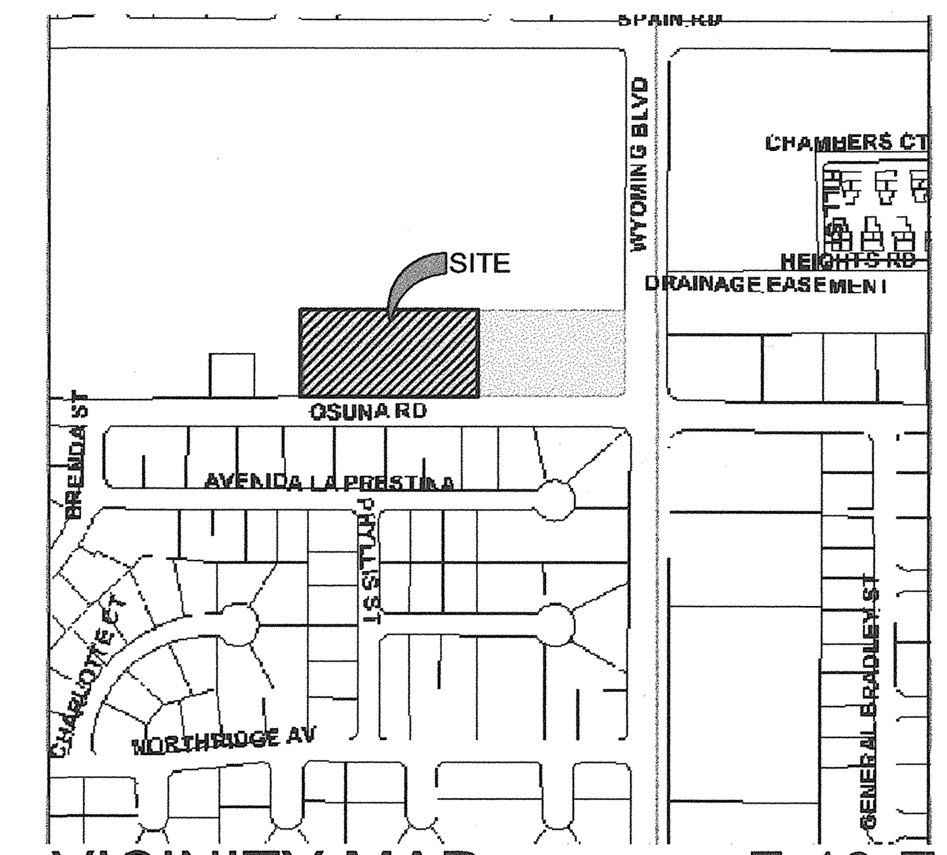


GRADING PLAN
SCALE 1" = 30'

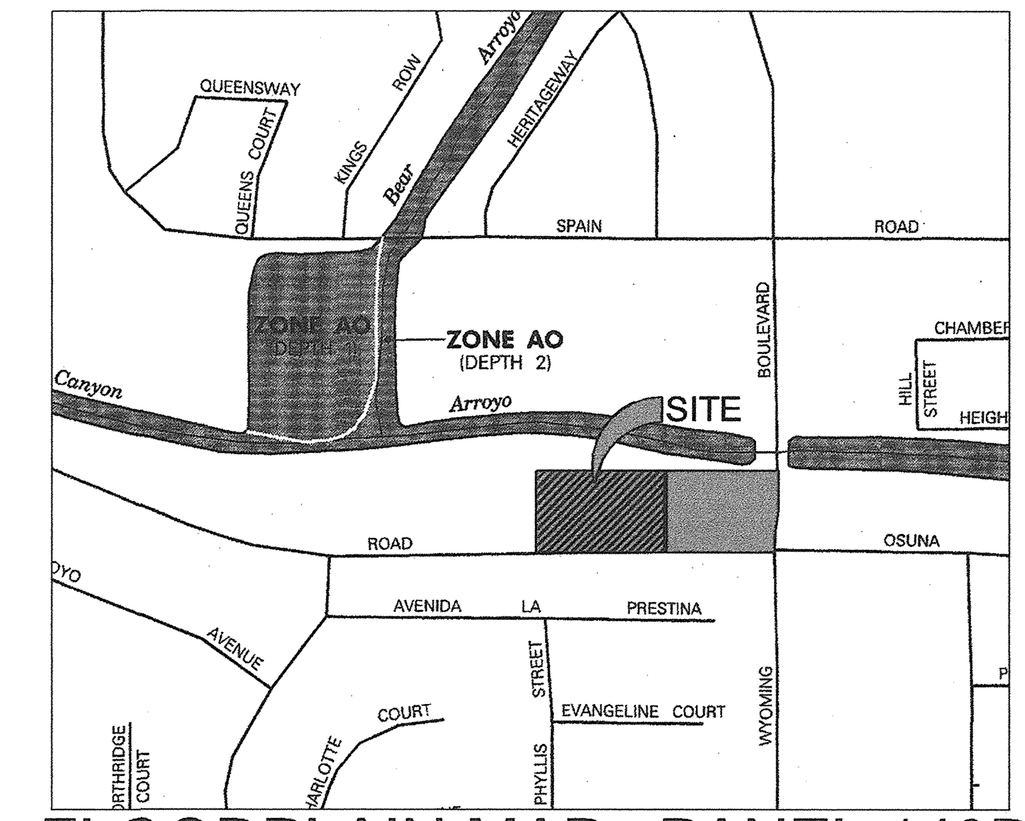
WATER LINE RESTRAINT LENGTH
- TEE RUN 6'
- TEE BRANCH 20'
- DEAD END 46'
- ELBOW 17'



ENLARGED GRADING PLAN
SCALE 1" = 20'



VICINITY MAP F-19-Z



FLOODPLAIN MAP PANEL 143D

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES

A. SEE SHEET C0.1 FOR GENERAL CIVIL NOTES
B. X

DRAINAGE DISCUSSION

LOCATION AND DESCRIPTION

The existing 3.01 acre site, located at the northwest corner of Wyoming Blvd. NE and Osuna Road NE is developed as a Police Substation and Community Park. The split is approximately 2/5 Substation on the west end of the site and 3/5 Park as shown on the Grading Plan on this sheet.

The proposed modifications to the site will remove a small paved parking lot just east of the substation and a building addition constructed in the same location. The building addition will cover approximately 807 square feet less than the parking area that is being removed.

HYDROLOGY

The hydrology for this project was analyzed using the City of Albuquerque Quick Calculation Method shown in the June 1997 release of the Development Process Manual.

PRECIPITATION

Since the two existing ponds are detention ponds that will drain in a short period of time, the 100-year, 6-hour storm has been used for analysis of this site. The site lies within Zone 3 Precipitation Area as identified in the City of Albuquerque Development Process Manual, Section 22.2. Therefore, the Tables within this section was used to establish the peak discharge and excess precipitation.

FLOODPLAIN

The site, located on FEMA Panel 35001C0143D effective 9/20/1996, is adjacent to a Zone AO (depth 1') which is channelized as the Bear Canyon Arroyo. This 1-foot deep flood zone, along the north side of the site is approximately 9-feet below finished floor elevation. No portion of the site is included within the mapped floodplain.

EXISTING DRAINAGE

The site is bounded on the north by the Bear Canyon Arroyo, on the east by Wyoming Blvd, and by Osuna Road on the south. The west end of the site is a golf course. Consequently, there is no drainage impact to this site from adjacent development.

The site drains at two different locations (basins). Basin A, the western portion of the site is developed as the police substation and associated paved parking and landscaping. The basin drains west, within the parking area, to an existing detention pond that discharges west into the golf course. Basin B, the eastern portion of the site includes a small portion of the substation building and the small paved parking lots south of the building. The majority of this basin is developed as a community park. The runoff from this basin collects in a collection pond to the east of the building. The collection pond includes a 3' x 3' storm inlet with discharge pipe to the north into the Bear Canyon Arroyo. This pond only provides small amounts of detention during the most intense runoff period. During normal frequent storms, the grate is so large there is almost no detention effect.

PROPOSED CONDITIONS

The development proposed at this time includes removal of a 2160 square foot paved parking lot just west of the existing building and constructing a 1353 square foot addition to the building in the same location. The net change is a reduction of 807 square feet of impervious area in Basin B. In order to match the existing landscaping, the 807 square foot reduction area will be planted in turf. All of these modifications to the site occur in Basin B. There area no proposed changes in Basin A at this time.

STORM WATER DISCHARGE

Since the total anticipated disturbed area for the proposed construction is about 0.20 acres, well below the 1 acre limit requiring a SWPPP.

LAWRENCE D. READ
NEW MEXICO
10998
REGISTERED PROFESSIONAL ENGINEER
[illegible]
11/17/03

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP				
TITLE:				
Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
City Project No. 6759.01	Zone Map No. F-19-Z	Sheet	Of **	

0 15 30 60

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK

PROJECT
City of Albuquerque Police Department
John Carrillo- Northeast Area
Command Headquarters

8201 Osuna NE
Albuquerque NM, 87109

SCALE
1" = 30'

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.
APD-JC_GD

DATE
September, 2003

PROJECT MANAGER
DON H. MAY

DRAWN BY
LDR

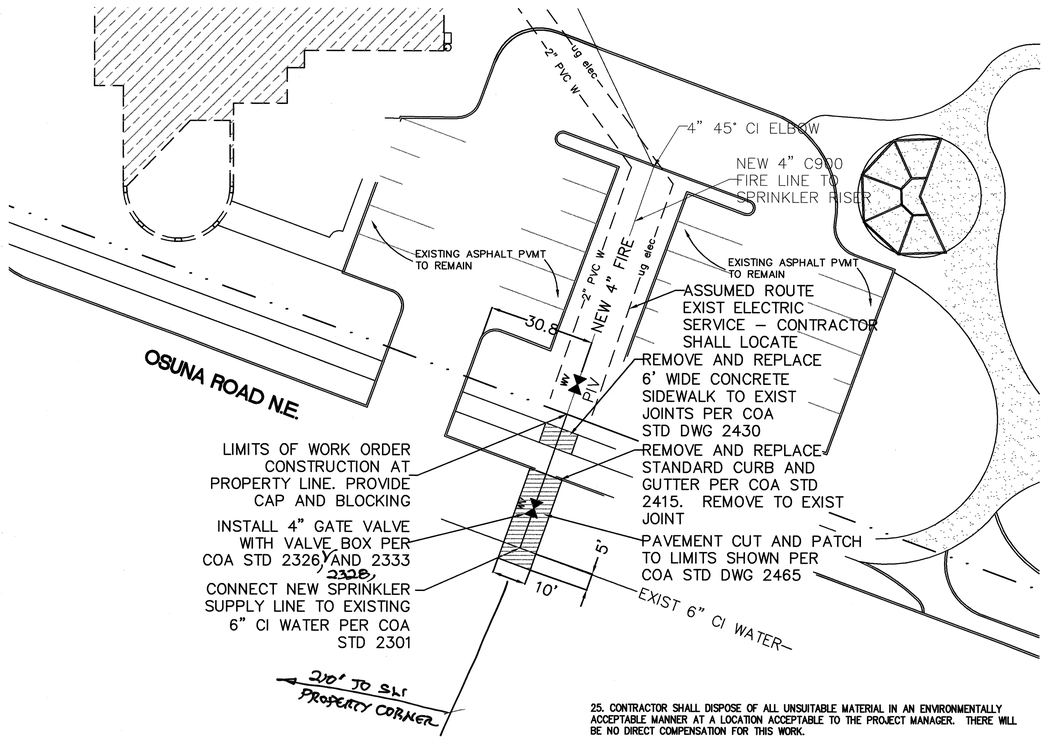
SHEET TITLE
GRADING PLAN

SHEET NUMBER
C1.0

APD JOHN CARILLO SUBSTATION

CITY OF ALBUQUERQUE,

FIRE SPRINKLER LINE TAP



GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH UPDATE #7, DATED AUGUST 2003 AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".

2. ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY.

3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

4. CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

5. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

6. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.

7. CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION (IF REQUIRED BY CITY OF ALBUQUERQUE PUBLIC WORKS).

8. PERMIT REQUESTS MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH OTHER PROJECTS IN THE AREA.

9. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. 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 STANDARD SPECIFICATIONS SECTION 4.4.

10. CONTRACTOR SHALL COORDINATE WITH WATER SYSTEMS DIVISION (857-8200) FIVE (5) WORKING DAYS PRIOR TO ANY WORK THAT MAY AFFECT EXISTING CITY PUBLIC WATER OR SEWER UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. EXISTING CITY VALVES TO BE OPERATED BY CITY PERSONNEL ONLY.

11. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF STANDARD SPECIFICATIONS.

12. CONTRACTOR SHALL DETERMINE IN ADVANCE OF HIS CONSTRUCTION IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF CONTRACTOR.

13. PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.

14. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.

15. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES AND/OR OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

16. EXISTING UTILITY LINE LOCATION ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

17. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES.

18. CONTRACTOR SHALL SUPPORT ALL EXISTING, UNDERGROUND UTILITY LINES WHICH, BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWER LINE COSTS.

19. CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED AT A MAXIMUM OF EVERY FIFTEEN (15) FEET. CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.

20. CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.

21. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.

22. ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2315.

23. CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.

24. REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

25. CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL IN AN ENVIRONMENTALLY ACCEPTABLE MANNER AT A LOCATION ACCEPTABLE TO THE PROJECT MANAGER. THERE WILL BE NO DIRECT COMPENSATION FOR THIS WORK.

26. CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC.

27. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) HOURS OF CONSTRUCTION.

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

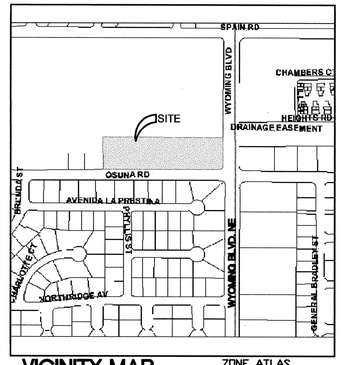
29. WHEN ABUTTING EXISTING PAVEMENT TO NEW, SAW CUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE FIELD ENGINEER. REMOVAL OF BROKEN OR CRACKED PAVEMENT WILL ALSO BE REQUIRED.

30. REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK SHALL BE TO THE NEAREST JOINT OR SAW CUT.

31. AT HIS OWN EXPENSE, CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER STANDARD SPECIFICATIONS.

32. ALL STREET STRIPING, ALTERED OR DESTROYED, SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.

33. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

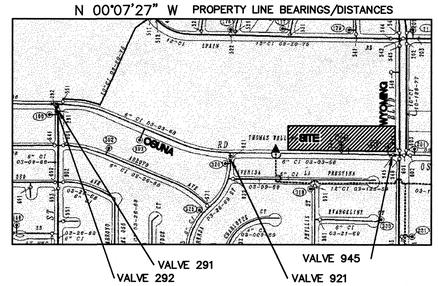


VICINITY MAP ZONE ATLAS F-19-Z

LEGEND

- EASEMENT LINE
- EXISTING UTILITY LINE
- EXISTING FENCE
- PROPERTY LINE
- PROPOSED CURB
- EXISTING WATER/CONSTRUCTION BY OTHERS
- PROPOSED 10" FIRE LINE

N 00°07'27" W PROPERTY LINE BEARINGS/DISTANCES



WATER SHUT OFF PLAN

1. VALVES 291, 291, 921, AND 945.
2. CONTRACTOR SHALL CONTACT WATER SYSTEMS DIVISION (857-8200) ~~FIVE (5)~~ SEVEN (7) WORKING DAYS PRIOR TO VALVE SHUT OFF. ONLY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
6759.01	F-19-Z	Of **

ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

LARRY READ & ASSOCIATES
Civil Engineers
4800-C Juan Tabo, NE
Albuquerque, New Mexico 87111
(505) 237-8421

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
	--/--/--	---	

PROJECT
City of Albuquerque Police Department
John Caarrillo-Northeast Area
Command Headquarters

6404 Los Volcanes Rd NW
Albuquerque NM, 87121-8411

SHEET TITLE
COA WORK ORDER ITEMS

SHEET NUMBER
C2.0

SCALE
NONE

RMKMc PROJECT NO.
0207

DRAWING FILE NO.
GEN_NOTES

DATE
September, 2003

PROJECT MANAGER
DON H. MAY

DRAWN BY
LDR

ROHDE MAY KELLER McNAMARA ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW   Studio 1100 Simms Tower   Albuquerque, New Mexico 87102 USA   tel. 505 243 5454

DESIGN LOADS

- GOVERNING CODES :
  1997 UNIFORM BUILDING CODE
- VERTICAL (GRAVITY) LOADINGS :

DESCRIPTION	DEAD (PSF)	LIVE (PSF)
ROOF	20	20
(TYP) FLOOR	N/A	N/A
BALCONIES	N/A	N/A
CORRIDORS	N/A	N/A
STAIRS	N/A	N/A

- LATERAL LOADINGS :

DESCRIPTION	PARAMETERS
WIND	75 mph, exposure C Qs = 14.5 psf, I = 1.15
SEISMIC	Zone 2B Z = .2, Rw = 6, Ca = .34 I = 1.15

- SOIL PRESSURES :
  ASSUMED

DESCRIPTION	PRESSURES
FOOTINGS/SLAB	1500 PSF
ACTIVE PRESSURES	35 PCF/FT
AT REST PRESSURES	60 PCF/FT
PASSIVE PRESSURES	300 PCF/FT
COEF. OF FRICTION	.40

GENERAL NOTES

- TYPICAL DETAILS AND NOTES ON THESE SHEETS SHALL APPLY UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE. CONSTRUCTION DETAILS NOT FULLY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS. ALL WORK, MATERIALS AND CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES, REGULATIONS AND SAFETY REQMT'S.
- THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING DURING THE BIDDING PERIOD OF ANY DISCREPANCIES OR OMMISIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS OR OF ANY VARIATIONS NEEDED IN ORDER TO CONFORM TO CODES, RULES AND REGULATIONS. UPON RECEIPT OF SUCH INFORMATION, THE ENGINEER WILL SEND WRITTEN INSTRUCTIONS TO ALL CONCERNED. ANY SUCH DISCREPANCY, OMMISION, OR VARIATION NOT REPORTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WORK SHALL BE REPORTED IN A MANNER AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS AT THE JOB SITE DURING CONSTRUCTION AND DURING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED.
- NO STRUCTURAL CHANGE FROM THE APPROVED PLANS AND SPECIFICATIONS SHALL BE MADE IN THE FIELD UNLESS WRITTEN APPROVAL IS OBTAINED PRIOR TO MAKING SUCH CHANGE. CHANGES WITHOUT THE WRITTEN APPROVAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONDITION SHALL BE REPAIRED OR REPLACED AS DIRECTED.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE INSTALLATION OF THE REQUIRED INSERTS WITH THE GENERAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR SUPPORT STRUCTURES AND INSERTS.
- THE MECHANICAL CONTRACTOR SHALL FURNISH ALL NECESSARY STRUCTURES FOR MECHANICAL EQUIPMENT, HANGING DEVICES AND INSERTS FOR INSTALLATION OF MECHANICAL EQUIPMENT.
- CONSULT MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL CHASES, SLEEVES, OPENINGS, DUCTS, ETC. AS REQUIRED.
- THE CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT.
- BACKFILL BEHIND RETAINING WALLS SHALL NOT BE PLACED UNTIL (7) DAYS AS A MINIMUM AFTER THE WALLS ARE SUPPORTED BY THE COMPLETION OF INTERIOR FLOOR SYSTEMS WHERE APPLICABLE UNLESS WALLS ARE ADEQUATELY BRACED. BACKFILL BEHIND FREE STANDING WALLS SHALL NOT PROCEED UNTIL WALL MATERIALS HAVE ACHIEVED DESIGN STRENGTH UNLESS WALLS ARE BRACED ADEQUATELY. BACKFILL SHALL NOT BE PLACED UNTIL AFTER COMPLETION AND INSPECTION OF WATERPROOFING WHERE WATERPROOFING OCCURS.
- TEMPORARY BRACING SHALL BE PROVIDED AS REQUIRED TO HOLD ALL COMPONENTS OF THE STRUCTURE IN PLACE UNTIL FINAL SUPPORT IS SECURELY ANCHORED.
- SHOP DRAWINGS ARE AN AID FOR FIELD PLACEMENT AND ARE SUPERSEDED BY THE STRUCTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE CERTAIN THAT ALL CONSTRUCTION IS IN FULL AGREEMENT WITH THE LATEST STRUCTURAL DRAWINGS.
- THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH SHOP DRAWINGS A MINIMUM OF (1) WEEK PRIOR TO PLACEMENT. THE REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS ONLY FOR GENERAL COMPLIANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. THIS REVIEW DOES NOT GUARANTEE IN ANY WAY THAT THE SHOP DRAWINGS ARE CORRECT NOR DOES IT INFER THAT THEY SUPERCEDE THE STRUCTURAL DRAWINGS.

SHOP DRAWINGS
CONCRETE REINFORCING / LAYOUT
CONCRETE MIX DESIGN
STEEL
PRE-ENGINEERED STEEL OPEN WEB TRUSSES / LAYOUT
METAL FRAMING / LAYOUT

CONCRETE

- PROTECT FRESHLY POURED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. START CURING AS SOON AS FREE WATER HAS DISAPPEARED FROM THE CONCRETE SURFACE AFTER PLACING AND FINISHING. KEEP CONTINUOUSLY MOIST FOR AT LEAST (14) DAYS ACCORDING TO ACI 301 PROCEDURES.
- PROTECT CONCRETE FROM DAMAGE OR REDUCED STRENGTH CAUSED BY FROST, FREEZING ACTIONS OR LOW TEMPERATURES IN COMPLIANCE WITH ACI 306. WHEN TEMPERATURES FALL BELOW (40) DEGREES FAHRENHEIT, UNIFORMLY HEAT WATER AND AGGREGATES BEFORE MIXING TO OBTAIN A CONCRETE MIXTURE TEMPERATURE OF NOT LESS THAN 50 DEGREES FAHRENHEIT AND NOT MORE THAN 60 DEGREES FAHRENHEIT AT POINT OF PLACEMENT.
- PROTECT CONCRETE FROM DAMAGE OR REDUCED STRENGTH CAUSED BY HIGH TEMPERATURES IN COMPLIANCE WITH ACI 305. UNIFORMLY COOL WATER AND AGGREGATES BEFORE MIXING TO OBTAIN A CONCRETE MIXTURE TEMPERATURE OF NOT GREATER THAN 90 DEGREES FAHRENHEIT AT POINT OF PLACEMENT.
- REMOVE ALL DEBRIS FROM FORMS BEFORE POURING
- CONCRETE SHOULD NOT BE DROPPED THROUGH REINFORCING STEEL SO AS TO CAUSE SEGREGATION OF AGGREGATES. USE HOPPERS, CHUTES OR TRUNKS OF VARIOUS LENGTHS SO THAT THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED (5) FEET, AND A SUFFICIENT NUMBER SHALL BE USED TO ENSURE THAT THE CONCRETE IS KEPT LEVEL AT ALL TIMES.
- ALL ITEMS TO BE CAST IN CONCRETE SUCH AS REINFORCING, DOWELS, BOLTS, ANCHORS, PIPES, SLEEVES ETC. SHALL BE SECURELY POSITIONED IN THE FORMS BEFORE PLACING THE CONCRETE.
- THE CONTRACTOR SHALL OBTAIN THE ENGINEER'S APPROVAL OF CONSTRUCTION JOINT LOCATIONS IN FOOTINGS. CONSTRUCTION JOINTS AND CONTROL JOINTS IN SLABS ON GRADE SHALL BE LOCATED AT 20'-0" O.C. MAX. UNLESS OTHERWISE NOTED ON PLANS. IF SAWCUTTING IS USED FOR THE CONTROL JOINTS, THE CUTS SHALL BE MADE WITHIN (7) HOURS AFTER POURING CONCRETE BUT AFTER CURING TO A DEGREE THAT WILL PREVENT THE DISTURBANCE OF THE CONCRETE AGGREGATE.
- CONTINUOUS FOOTING REINFORCEMENT SHALL HAVE A MINIMUM LAP OF (40) BAR DIA. BUT NOT LESS THAN (12) INCHES, AND THE SPLICES IN ADJACENT BARS SHALL BE NOT LESS THAN (3) FEET APART.
- ALL DIMENSIONS SHOWING THE LOCATION OF REINFORCING STEEL NOT NOTED AS "CLEAR" ARE TO CENTER OF STEEL. MINIMUM REBAR COVER FOR CONCRETE SHALL BE AS FOLLOWS:

	MIN. COVER	TOLERANCES + OR -
CAST AGAINST PERM. EXPOSED TO EARTH	3"	3/8"
EXPOSED TO EARTH OR WEATHER		
NO. 5 AND SMALLER BARS	1-1/2"	3/8"
NO. 6 AND LARGER BARS	2"	3/8"
SLAB ON GRADE	1-1/2"	1/4"

- TOLERANCES FOR LONGITUDINAL LOCATION OF BENDS AND ENDS OF REINFORCEMENT SHALL BE PLUS OR MINUS (2) INCHES EXCEPT AT DIS-CONTINUOUS ENDS OF MEMBERS WHERE TOLERANCES SHALL BE PLUS OR MINUS 1/2 INCH.
- REINFORCING FOR CONCRETE POURED ON GRADE SHALL BE SUPPORTED BY STEEL CHAIRS.
- ALL HARDROCK CONCRETE SHALL BE OF REGULAR WEIGHT OF 150 POUNDS PER CUBIC FOOT.
- AGGREGATE SIZE SHALL CONFORM TO ASTM C33.
- CEMENT SHALL BE TYPE II AND SHALL CONFORM TO ASTM C130.
- DRYPACK CONCRETE SHALL BE ONE PART PORTLAND CEMENT AND ONE PART SAND WITH SUFFICIENT WATER TO ALLOW A SMALL AMOUNT OF PASTE TO COME TO THE SURFACE.
- CONCRETE GROUT SHALL BE NON-SHRINKING WITH SUFFICIENT WATER TO ALLOW POURING. ULTIMATE COMPRESSIVE STRENGTH (F'c) AT (28) DAYS SHALL BE EQUAL TO 4000 PSI (MIN).
- CONCRETE MIXES SHALL BE DESIGNED BY A CERTIFIED INDEPENDENT LABORATORY IN ACCORDANCE WITH UNIFORM BUILDING CODE , 1997. A STATEMENT OF MIX DESIGN AND STRENGTH TESTS THEREOF SHALL BE MADE FOR ALL MIX DESIGNS. COPIES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO USE.
- NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY TESTING AGENCY. CONCRETE SHALL BE PLACED WITHIN 15 MINUTES AFTER DISCHARGE.
- ONE GRADE OF CONCRETE SHALL BE POURED AT THE JOB SITE AT ANY ONE TIME.
- EXPANSION ANCHORS SHALL BE RAMSET/RED HEAD OR EQUAL. INSTALLATION SHALL CONFORM TO REQUIREMENTS OF ICBO REPORT #1572.

CONCRETE (CONT'D)

CONCRETE QUALITY :

CONCRETE USE	STRENGTH @ 28 DAYS	MAX. SLUMP	AIR	MAX. AGG.	AGG. TYPE
EXT.WALKS AND CURBS	4000 PSI	6"	4 %	1-1/2"	HARD-ROCK
GRADE SLAB	3000 PSI	4"		1-1/2"	HARD-ROCK
SPREAD FOOTINGS	3000 PSI	4"		1-1/2"	HARD-ROCK
CONTINUOUS FOOTINGS	3000 PSI	4"		1-1/2"	HARD-ROCK

CONCRETE REINFORCING

- ALL REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO ASTM A615 AS FOLLOWS:
  #3 BARS........................ GRADE 40
  #4 & LARGER BARS...... GRADE 60
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A62 AND A165.
- ALL BENDS SHALL BE MADE COLD.
- ALL WALLS AND COLUMNS SHALL BE DOWELED INTO FOOTING WITH BARS OF THE SAME SIZE AND SPACING AS THE BARS ABOVE.
- ALL REINFORCING STEEL SHALL BE SECURELY WIRED AND PROPERLY SUPPORTED ABOVE THE GROUND AND AWAY FROM FORMS.
- USE E90XX ELECTRODE WHEN WELDING GRADE 60 REBAR, E70XX FOR GRADE 40. SUCH WELDING SHALL BE PERMITTED ONLY WHERE SPECIFICALLY DESIGNATED ON THESE PLANS OR BY THE ENGINEER.
- PROVIDE AROUND OPENINGS IN SLABS NO. 5X4'-0" DIAGONAL AT ALL CORNERS. (2) NO. 5 AT EACH SIDE, TOP AND BOTTOM.
- PROVIDE CORNER BARS THE SAME SIZE AND SPACING AS THE HORIZ. REINF. AT THE CORNERS AND INTERSECTION OF ALL WALLS, BEAMS AND FOOTINGS.

EARTHWORK NOTES

- THE GEOTECHNICAL ENGINEER SHALL ACT AS THE OWNER'S REPRESENTATIVE AND SHALL MAKE OBSERVATIONS AND TESTS AS CONSIDERED NECESSARY FOR QUALITY CONTROL. WHERE FOUNDATIONS OR OTHER CRITICAL ELEMENTS ARE TO BE SUPPORTED ON ENGINEERED FILL, CONTINUOUS OBSERVATIONS AND TESTS OF GRADING OPERATIONS SHALL BE MADE BY THE GEOTECHNICAL ENGINEER. 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). THE OWNER WILL PAY FOR ALL SUCH TESTING AND OBSERVATION.
- REFER TO EARTHWORKS SPECIFICATIONS FOR ALL OVEREXCAVATION REQUIREMENTS AND SUBGRADE PREPARATION.
- FILL OR BACKFILL, CONSISTING OF SOIL APPROVED BY THE GEOTECHNICAL ENGINEER, SHALL BE PLACED IN CONTROLLED COMPACTED LAYERS WITH APPROVED COMPACTION EQUIPMENT. ALL COMPACTION SHALL BE TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D-1557 TEST METHOD. SOILS MOISTURE CONTENT DURING COMPACTION SHALL BE AT OPTIMUM MOISTURE CONTENT PLUS OR MINUS 2 PERCENT.
- TESTS FOR DEGREE OF COMPACTION SHALL BE DETERMINED BY THE ASTM D-1556 TEST METHOD. 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. IF LESS THAN 95 PERCENT IS INDICATED, ADDITIONAL COMPACTION EFFORT SHALL BE MADE WITH ADJUSTMENT OF THE MOISTURE CONTENT AS NECESSARY UNTIL 95 PERCENT COMPACTION IS OBTAINED.
- 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.
- 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 FILL. SPECIAL CARE SHALL BE TAKEN DURING INSTALLATION OF WATERLINES TO REDUCE THE POSSIBILITY OF FUTURE SUBSURFACE SATURATION.

STEEL

- 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 STEEL WELDING".
- CONTRACTOR TO VERIFY ALL MEASUREMENTS AT JOB SITE.
- PROVIDE ALL LUGS, CLIPS, ANGLES AND MISCELLANEOUS FASTENERS NECESSARY FOR THE COMPLETE ASSEMBLY AND INSTALLATION.
- FOR STEEL OPEN WEB JOISTS PROVIDE 1" X 1" X 1/8" CONT. HORIZ. BRIDGING. WELD CONT. BRIDGING TO TOP AND BOTTOM CHORDS OF ALL JOISTS
- CAMBER ALL STEEL JOISTS PER THE STEEL JOIST INSTITUTES RECOMMENDATIONS.
- DO ALL GROUTING OF BASE PLATES AND SIMILAR ITEMS WITH NON-SHRINK GROUT.
- PROTECT ALL DISSIMILAR METALS FROM GALVANIC CORROSION.
- PROVIDE WASHERS ON ALL HEADS AND NUTS BEARING ON WOOD. DRAW ALL NUTS TIGHT AND UPSET THREADS OF PERMANENT CONNECTIONS TO PREVENT LOOSENING. USE BEVELED WASHERS WHERE BEARING IS ON SLOPED SURFACES.
- THOROUGHLY CLEAN ALL MILL SCALE, RUST, DIRT, GREASE AND OTHER FOREIGN MATTER FROM FERROUS METAL PRIOR TO PAINTING.
- AFTER MATERIAL HAS BEEN PROPERLY CLEANED AND TREATED, APPLY PRIME COAT OF PAINT TO ALL SURFACES EXCEPT THOSE ENCASED IN CONCRETE OR MASONRY. APPLY ALL PAINT AS PER MANUFACTURER'S DIRECTIONS. SPOT PAINT ALL ABRASIONS AND FIELD CONNECTIONS AFTER ASSEMBLY. SHOP COAT SHALL BE DRY PRIOR TO SHIPMENT TO JOB SITE.
- STANDARD STRUCTURAL STEEL SHAPES, BARS AND PLATES SHALL BE ASTM A36 UNLESS NOTED OTHERWISE.
- BOLTS SHALL CONFORM TO ASTM 307, GRADE A UNLESS OTHERWISE NOTED.
- SQUARE OR RECTANGULAR TUBING SHALL CONFORM TO ASTM A500 (COLD ROLLED), GRADE B OR C UNLESS OTHERWISE NOTED.
- POWDER DRIVEN FASTENERS SHALL BE RAMSET .17 INCH DIAMETER UNLESS NOTED OTHERWISE ON THE PLANS. FASTENER SHALL BE OF SUFFICIENT LENGTH SO THAT ENTIRE POINTED END PIERCES THE STEEL INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF "ICBO" REPORT #1694.
- WELDING FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH AWS CODE P1.1. WELDS SHALL BE MADE ONLY BY OPERATORS EXPERIENCED IN PERFORMING THE TYPE OF WORK INDICATED. WELDS NORMALLY EXPOSED TO VIEW IN THE FINISHED WORK SHALL BE UNIFORMLY MADE AND GROUND SMOOTH. WHERE WELDING IS DONE IN PROXIMITY TO GLASS OR FINISHED SURFACES, SUCH SURFACES SHALL BE PROTECTED FROM DAMAGE DUE TO WELD SPARKS, SPATTER OR TRAMP METAL.
- INDIVIDUAL WELDERS FOR STRUCTURAL METAL WORK SHALL BE QUALIFIED FOR THE WELDS BEING PERFORMED IN ACCORDANCE WITH UBC STANDARD 27-6.
- WELDING ELECTRODES TO BE E70 SERIES UNLESS OTHERWISE NOTED.
- ALL STRUCTURAL MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE A.I.S.C SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, LATEST EDITION.

LIGHT METAL FRAMING

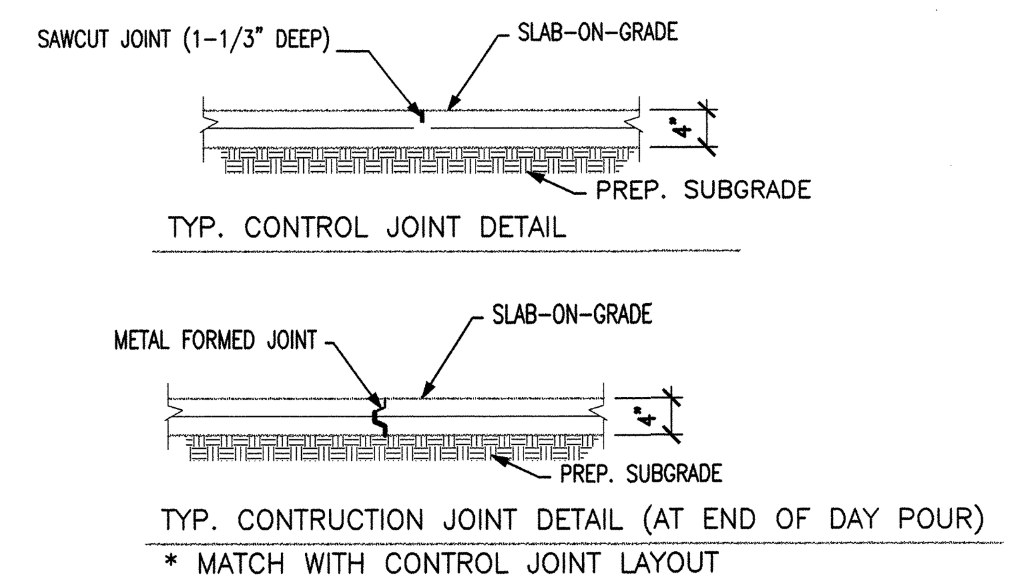
- FABRICATION OF ALL LIGHTGAGE METAL FRAMING SHALL COMPLY WITH THE REQUIREMENTS IN A.I.S.C. "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
- FRAMING COMPONENTS MAY BE PREFABRICATED INTO PANELS PRIOR TO ERECTION.
- STUDS SHALL NOT BE SPLICED. STUDS SHALL FIT SECURELY INTO TOP AND BOTTOM TRAKS 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 PLANS.
- TRACKS SHALL BE ANCHORED TO THE SUPPORTING STRUCTURE TO TRANSFER IMPOSED LOADS. COMPLETE, UNIFORM, AND LEVEL SUPPORT
- IN WALLS. ALL TRACK BUTT JOINTS EXCEPT FOUNDATION LEVEL, SHALL BE FULLY BUTT WELDED TOGETHER.
- PROVIDE DOUBLE JOISTS HEADERS PER DETAILS AT ALL OPENINGS GREATER THAN 2'-0". USE MINIMUM 8"-16ga UNLESS OTHERWISE NOTED ON PLANS.
- MINIMUM REQUIRED SECTION PROPERTIES FOR STUDS:

SIZE	Ix (IN^4)	Sx (IN^3)
6" X 18 ga	2.20	0.70

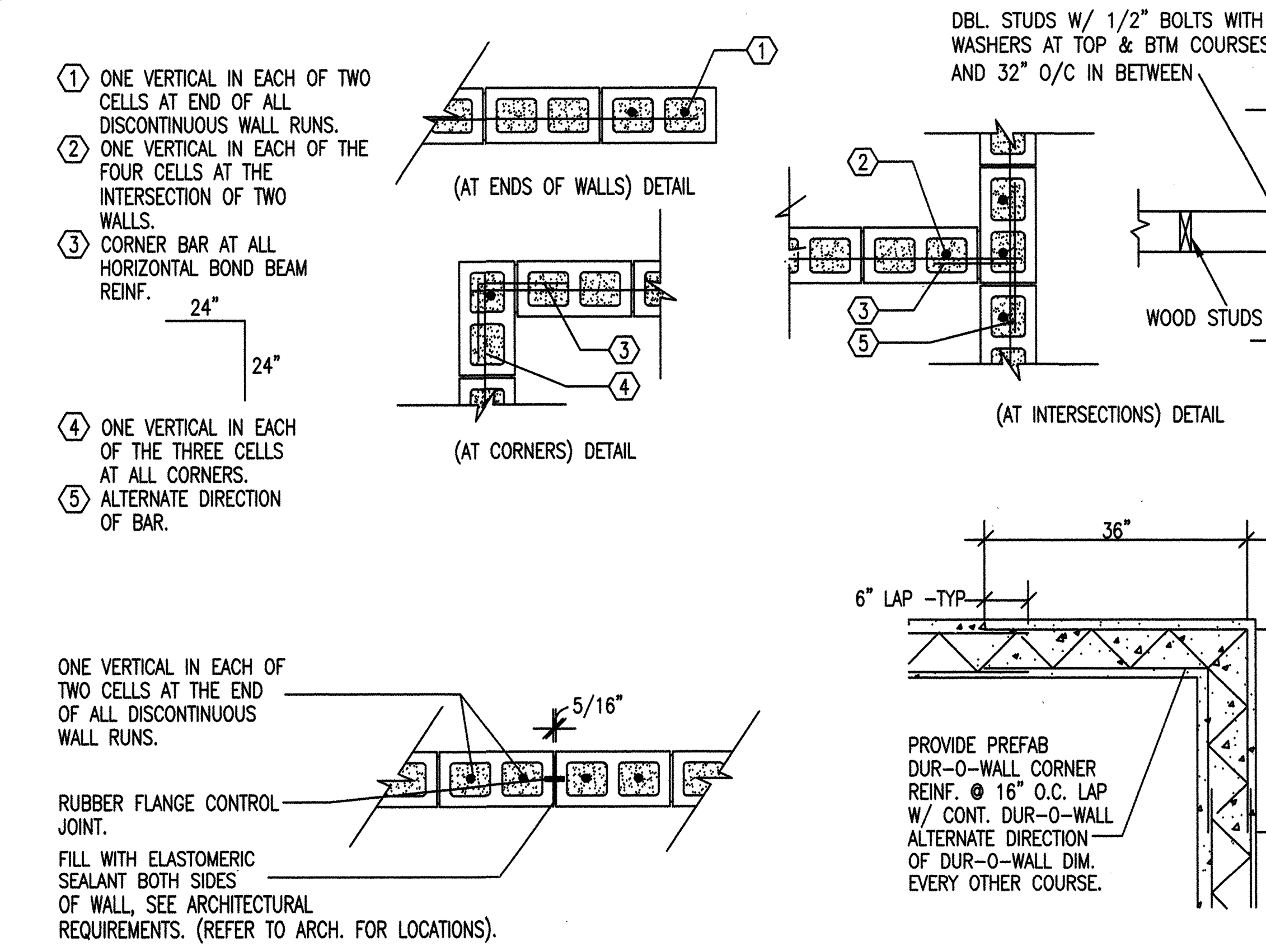
- USE UNPUNCHED WEB CUTOUTS FOR LINTELS.
  INSULATION SHALL BE PLACED IN ALL WALLS AND LINTEL CAVITIES (TYP).
- ALL LOAD BEARING JOISTS
  SHALL BE DIRECTLY ALIGNED OVER LOAD BEARING STUDS UNLESS OTHERWISE NOTED OR DETAILED.
- PROVIDE LATERAL SUPPORT BRACING PER MANUFACTURER'S DIRECTIONS. UNLESS GIVEN MORE STRINGENT REQUIREMENTS BY MANUFACTURER, PROVIDE 1-1/2" CHANNEL BRIDGING IN CONTINUOUS ROWS WELDED TO EACH STUD AND SPACED 4'-6" ON CENTER MAX.

MASONRY

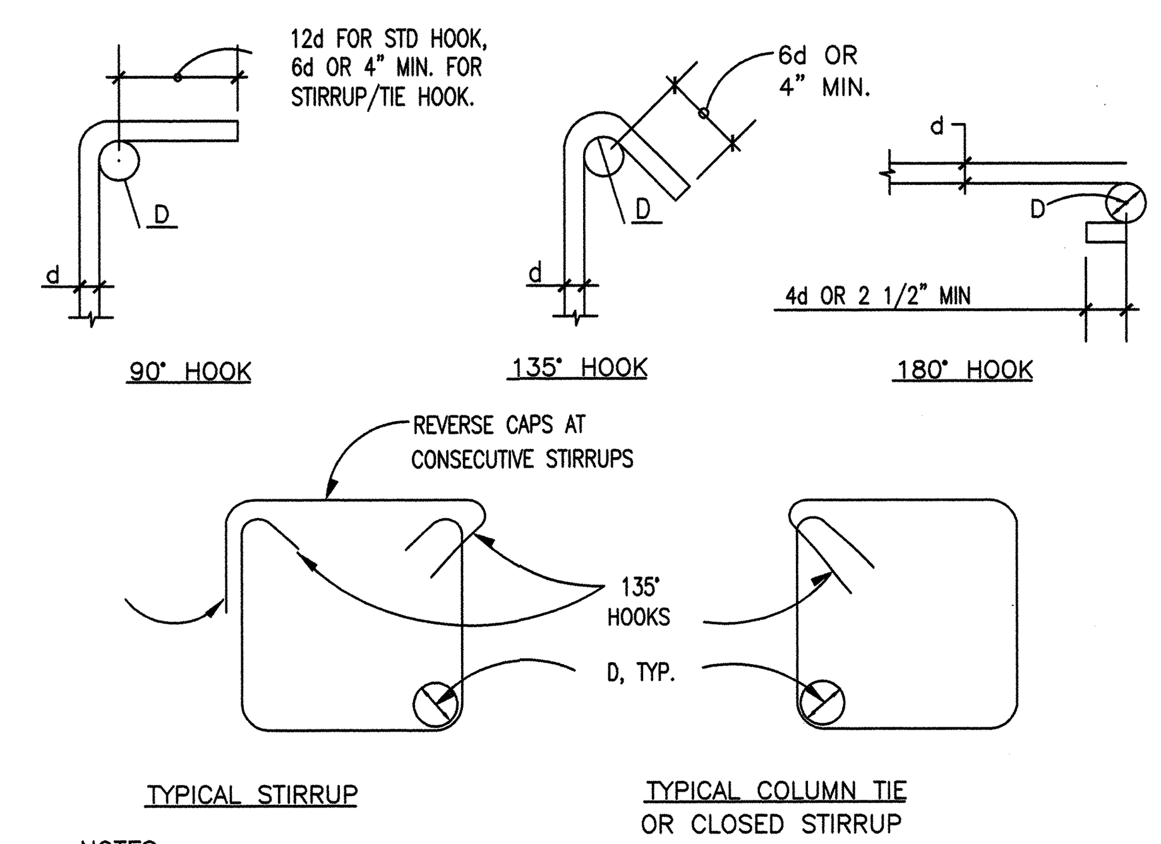
- CONCRETE MASONRY UNITS SHALL BE HOLLOW, SUITABLE FOR BEARING WALL CONSTRUCTION. ALL BLOCKS SHALL CONFORM TO GRADE N UNITS GIVEN IN ASTM C90 LATEST EDITION. AND IN ADDITION SHALL HAVE A LINEAR SHRINKAGE OF .065% MAXIMUM FROM SATURATED TO THE OVEN DRY CONDITION. MASONRY UNITS SHALL HAVE CURED FOR NOT LESS THAN (28) DAYS WHEN PLACED IN THE STRUCTURE. PROVIDE ALL BOND BEAM UNITS, LINTELS, ETC., AS REQUIRED.
- DO NOT USE CHIPPED OR CRACKED BLOCKS. IF ANY SUCH BLOCKS ARE DISCOVERED IN ANY FINISHING WALL. THEY SHALL BE PROMPTLY REMOVED AND REPLACED WITH NEW BLOCKS TO THE APPROVAL OF THE ENGINEER.
- MORTAR SHALL CONFORM TO ASTM C270, TYPE S WITH A COMPRESSIVE STRENGTH OF 1,800 PSI AT 28 DAYS UNLESS OTHERWISE NOTED EXCEPT THAT TYPE M WITH MINIMUM COMPRESSIVE STENGTH OF 2,500 PSI AT 28 DAYS SHALL BE USED WHERE MASONRY IS BELOW GRADE OR IN CONTACT WITH EARTH. THE MIX SHALL BE REVIEWED BY THE ENGINEER WHEN SPECIAL INSPECTION IS REQUIRED.
- THE USE OF ADMIXTURES SHALL NOT BE PERMITTED IN MORTAR OR GROUT UNLESS SUSTAINING DATA HAS BEEN SUBMITTED TO AND REVIEWED BY THE ENGINEER. THE USE OF ADMIXTURES IN MORTAR SHALL NOT BE PERMITTED WITHOUT REDUCING THE LIME CONTENT. THE USE OF UNCONTROLLED FINE CLAY, DIRT AND OTHER DELETERIOUS MATERIALS IS PROHIBITED.
- AGGREGATES, SANDS FOR MORTAR SHALL CONFORM TO ASTM C144 EXCEPT THAT NOT LESS THAN 3% OF THE SAND SHALL PASS THE NUMBER 100 SIEVE. SAND AND PEA GRAVEL FOR GROUT SHALL CONFORM TO ASTM C404, TABLE 1. COURSE AGGREGATE, EXCEPT WHEN OTHRE GRADINGS ARE SPECIFICALLY APPROVED BY THE ENGINEER.
- QUICKLIME SHALL CONFORM TO ASTM C5.
- MASONRY REBAR LAP LENGTHS SHALL BE (48) DIAMETERS UNLESS NOTED OTHERWISE ON THESE PLANS.
- FOR PROPER MIXING PLACE THE SAND, CEMENT AND WATER IN THE MIXER IN THAT ORDER FOR EACH BATCH OF MORTAR OR GROUT AND MIX FOR A PERIOD OF AT LEAST (2) MINUTES. ADD THE LIME AND CONTINUE MIXING FOR AS LONG AS NEEDED TO SECURE A UNIFORM MASS BUT NOT IN NO CASE LESS THAN (10) MINUTES. USE MIXERS TO SECURE A UNIFORM CAPACITY. BATCHES REQUIRING FRACTIONAL SACKS WILL NOT BE PERMITTED UNLESS CEMENT IS WEIGHED FOR EACH SUCH BATCH. RETEMPER MORTAR ONLY BY ADDING WATER INTO A BATCH MADE WITH THE MORTAR AND THEN CAREFULLY WORKING THE WATER INTO THE MORTAR. RETEMPERING THE MORTAR BY DASHING WATER OVER THE MORTAR SHALL NOT BE PERMITTED. ANY MORTAR OR GROUT WHICH IS UNUSED WITHIN (1) HOUR OF THE INITIAL MIXING SHALL BE REMOVED FROM THE WORK. MORTAR SHALL BE MIXED AND MAINTAINED ON THE BOARDS TO A SLUMP OF (2-5/4") TO PLUS OR MINUS (1/4") USING A TRUNCATED CONE (4") BY (2"). (6) INCHES HIGH.
- CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C130, TYPE I OR TYPE II AND SHOULD BE ENTIRELY OF ONE MANUFACTURER.
- WATER USED FOR MORTAR AND GROUT SHALL BE CLEAN AND FREE FROM DELETERIOUS AMOUNTS OF ACID, SALTS, ALKALI AND ORGANIC MATERIALS.
- WHEN GROUTING IS STOPPED FOR A PERIOD OF (1) HOUR OR LONGER, FORM HORIZONTAL CONSTRUCTION JOINTS BY STOPPING THE GROUT POUR (1-1/2") MINIMUM BELOW THE UPPER MOST UNIT. CONSTRUCTION JOINTS OR CONTROL JOINTS SHALL BE LOCATED AT (30') ON-CENTERS UNLESS NOTED OTHERWISE ON PLANS.
- ALL MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS TO BE FILLED. THE VERTICAL ALIGNMENT SHALL BE SUFFICIENT TO MAINTAIN A CLEAR, UNOBSTRUCTED VERTICAL FLUE MEASURING NOT LESS THAN (3) INCHES, EXCEPT WHERE OPEN END UNITS ARE USED.
- BOND BEAM HORIZONTAL REINFORCEMENT SHALL BE SOLIDLY ENCASED IN GROUT. WIRE MESH SHALL BE USED IN EACH CELL BELOW EACH BOND BEAM TO PREVENT THE FLOW OF GROUT INTO UNGROUTED CELLS.
- IN PLACE MORTAR IN HORIZONTAL JOINTS, COMPLETELY COVER THE FACE SHELLS OF THE UNITS WITH MORTAR. SOLIDLY FILL ALL HEAD JOINTS. LAY ALL MASONRY WITH COMMON OR RUNNING BOND. HOLD RAKING TO A MINIMUM.
- REMOVE CONCRETE SCUM AND GROUT STAINS ON THE WALL IMMEDIATELY. AFTER THE WALL IS CONSTRUCTED, DO NOT SATURATE WITH WATER FOR CURING OR ANY OTHER PURPOSE. CHECK ALL JOINTS FOR TIGHTNESS AND, WHERE CRACKS ARE VISIBLE, CHIP OUT THE MORTAR, TUCK POINT AND TOOL TO MATCH ADJACENT JOINTING.
- GROUT FILL FOR CELLS SHALL CONSIST OF ONE PART PORTLAND CEMENT TO NOT MORE THAN (3) PARTS SAND, TO (2) PARTS PEA GRAVEL. (3/8") MAX. SIZE COURSE AGGREGATE. GROUT FILL USING COURSER AGGREGATE MAY BE USED IF THE MIX IS PROPERLY DESIGNED AND APPROVED BY THE ENGINEER. THE MAXIMUM SIZE OF AGGREGATE USED SHALL NOT EXCEED (1/3) THE LEAST LATERAL DIMENSION OF THE CELL TO BE FILLED. GROUT SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AT (28) DAYS.
- GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT, ANCHOR BOLTS OR EMBEDDED ITEMS. PROVIDE (2") MINIMUM COVER TO EMBEDDED ITEMS.
- ALL VERTICAL WALL REINFOREMENT SHALL HAVE DOWELS EQUAL IN SIZE EMBEDDED INTO FOOTING UNLESS NOTED OTHERWISE IN THESE PLANS.
- ASSUMED COMPRESSIVE STRENGTH F'm SHALL BE 1500 PSI UNLESS OTHERWISE NOTED ON THESE PLANS. ULTIMATE COMPRESSIVE STRENGTH BASED ON THE AVERAGE OF (3) UNITS SHALL BE NOT LESS THAN 2000 PSI.
- SPECIAL INSPECTION WILL NOT BE REQUIRED UNLESS SPECIFICALLY NOTED ON THESE PLANS.
- MASONRY LINTELS SHALL BE SOLID GROUTED FOR THE REQUIRED DEPTH. HORIZONTAL REINFORCING SHALL EXTEND (24") BEYOND THE OPENING ON EACH SIDE.
- MAXIMUM HEIGHT OF ANY GROUT POUR SHALL NOT BE GREATER THAN (4') UNLESS PROPER HIGH-LIFT PROCEDURES ARE USED.
- VENEER ANCHORAGE TIES SHALL BE CORROSION RESISTANT 9 GAGE WIRE ON 22 GAGE X 1" WIDE CORRUGATED SHEET METAL SPACED AT (16") ON-CENTERS EACH DIR. ATTACH TO WD STUDS W/16d RING SHANK NAIL AT EA. ANCHOR.
- REINFORCING COVER SHALL BE (2") MINIMUM THROUGHOUT. POSITIONING DEVICES SHALL BE USED TO INSURE THE CORRECT PLACEMENT OF THE REINFORCEMENT AT 1 & 2 DIAMETERS MAXIMUM.



4 SLAB-ON-GRADE JOINT DETAILS @ 4" SLAB
NTS



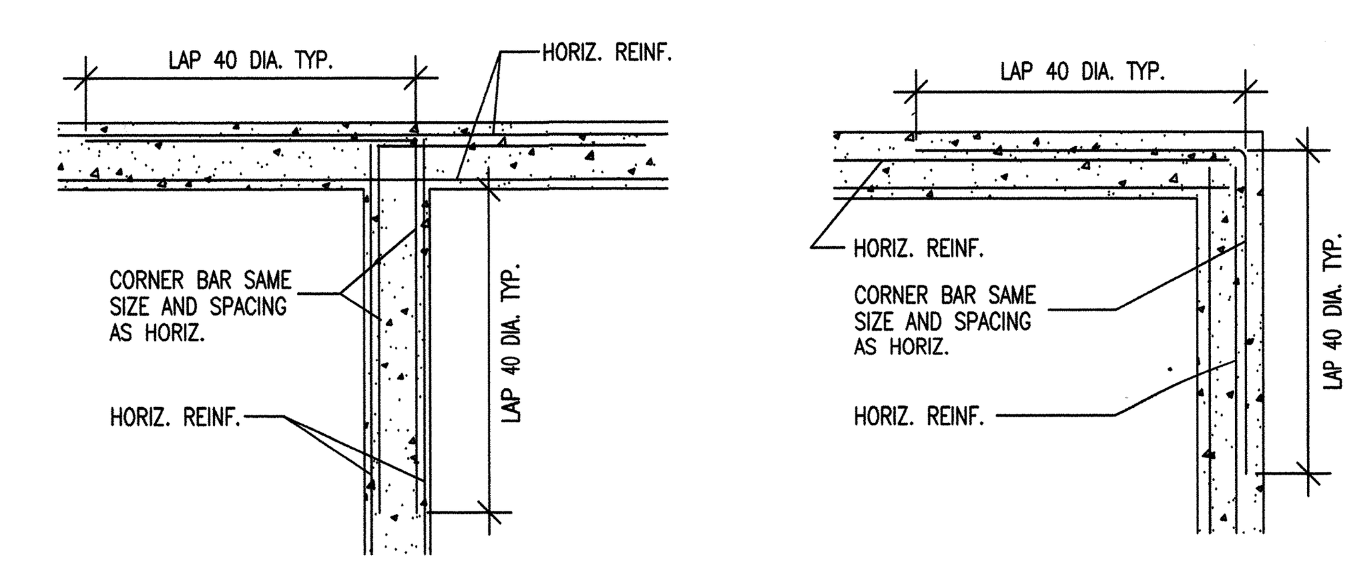
1 TYP. MASONRY WALL REINFORCING DETAILS
NTS



NOTES:

1. BEND DIAMETER "D" SHALL CONFORM TO UBC.
2. PROVIDE MINIMUM HOOK LENGTHS UNLESS LONGER LENGTHS ARE SHOWN ON DRAWINGS.
3. BAR, STIRRUP AND TIE CONFIGURATION SHALL BE AS SHOWN ON DRAWINGS.

1 TYP. REINF. BAR HOOKS, BENDS, TIES
NTS



TYP. INTERSECTION AT FOOTINGS
NTS

TYP. CORNER AT FOOTINGS
NTS

2 FOOTING REINFORCING DETAILS

ABOVE DETAILS ONLY REFLECT TYPICAL LAP REQUIREMENTS. REFER TO FOUNDATION PLAN AND DETAILS FOR DESIGNED QUANTITY AND SIZE.

JJK Group, Inc.
Consulting Structural Engineers

3240 Juan Tabo NE Building C   Albuquerque, New Mexico 87111   tel. 505 296 5706   fax 505 296-1672

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: GENERAL STRUCTURAL NOTES AND DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of
6759.01	F-19-Z		**

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
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PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast" Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.

DATE
SEPTEMBER, 2003

PROJECT MANAGER
DANIEL CHAVEZ

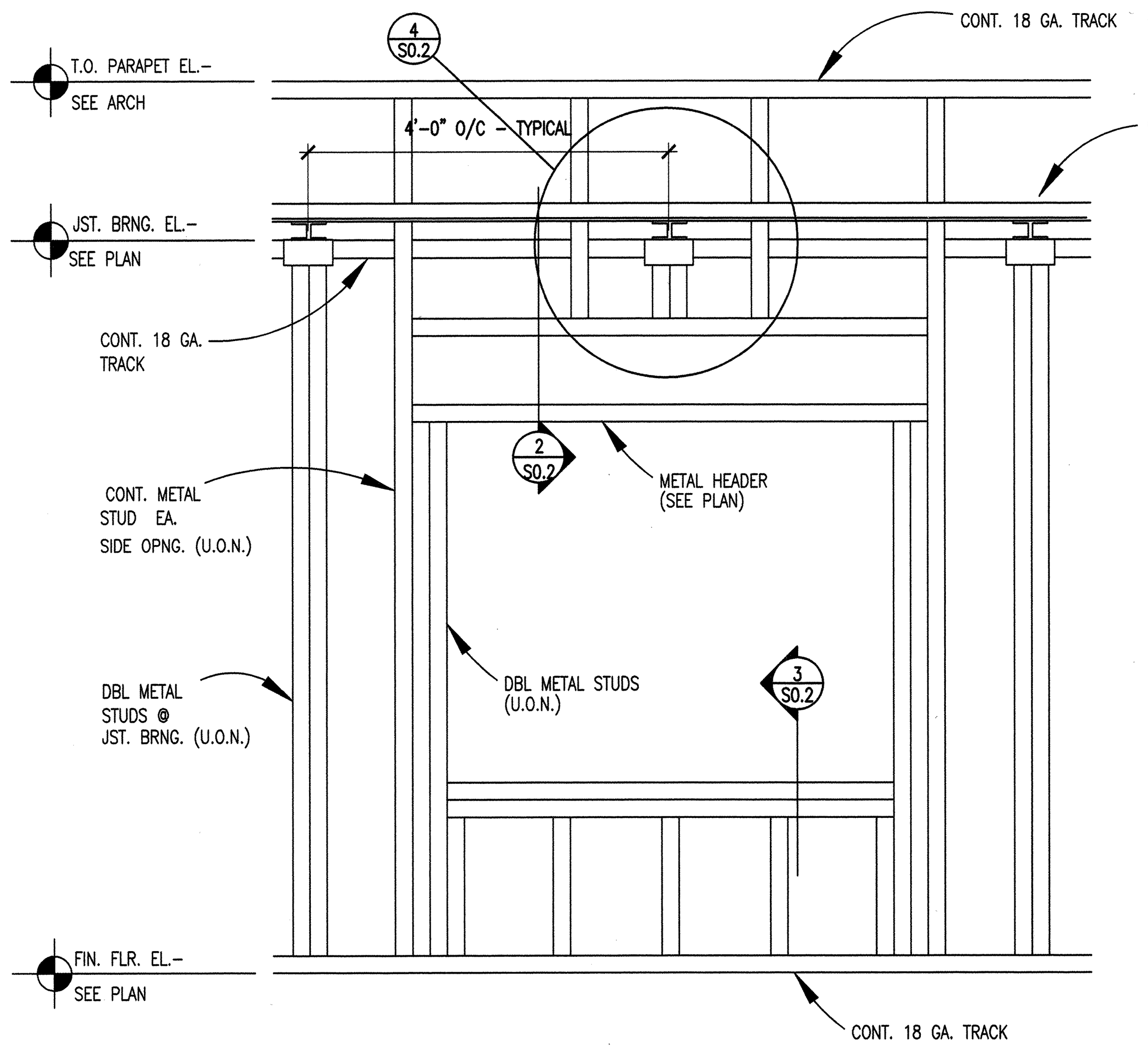
DRAWN BY

SHEET TITLE
GENERAL STRUCTURAL NOTES AND DETAILS

SHEET NUMBER
S0.1

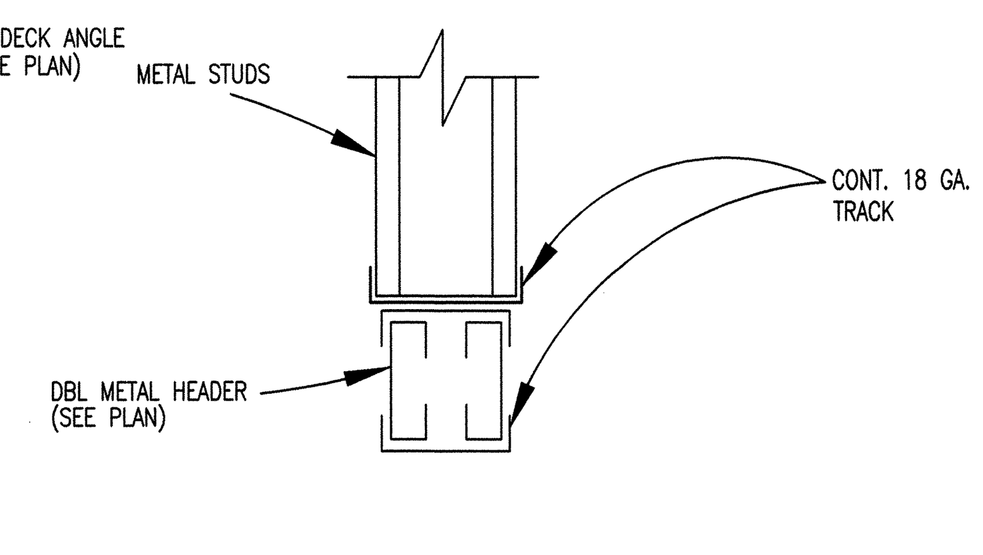
JIM J. KAPURANIS NEW MEXICO 10263 REGISTERED PROFESSIONAL ENGINEER
11/12/03

ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

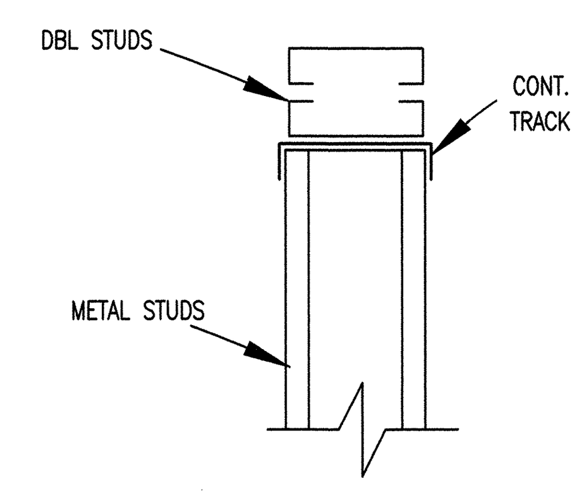


1 S0.2 TYPICAL FRAMING ELEVATION — NO SCALE

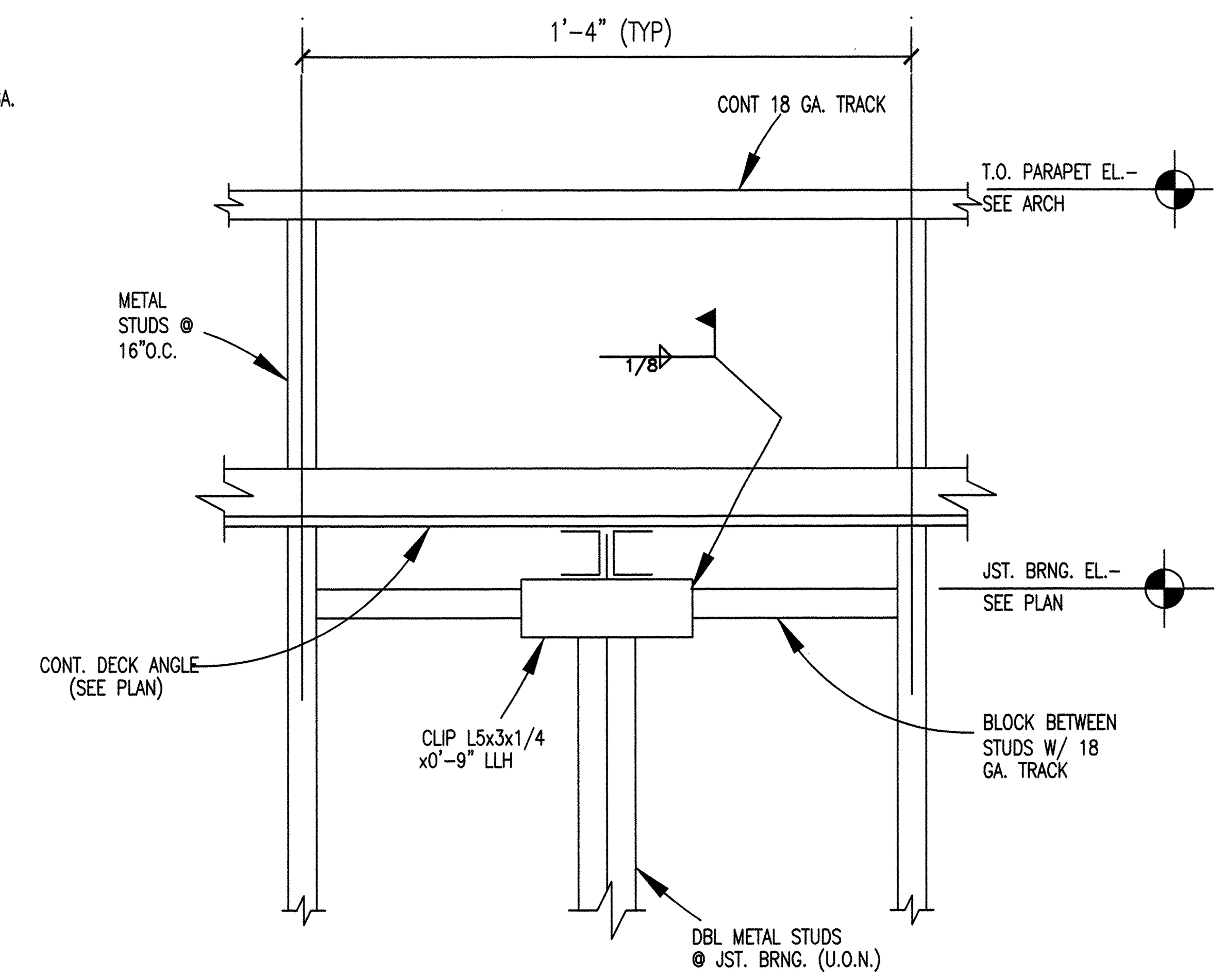
1. ALL EXTERIOR WALLS SHALL BE 6" x 1-5/8" – 18 ga. STUDS @ 16" O.C. U.N.O.
2. WELDING OF METAL STUD COMPONENTS SHALL BE MADE W/ 3/32" OR 1/8" AWS 6013 OR 7014 ELECTRODES USING 60 – 110 AMPERES OF CURRENT DEPENDING ON THE GAGE OF THE MATERIAL.
3. ALL EXTERIOR LOAD BEARING WALLS SHALL BE WELDED PER NOTE 2.



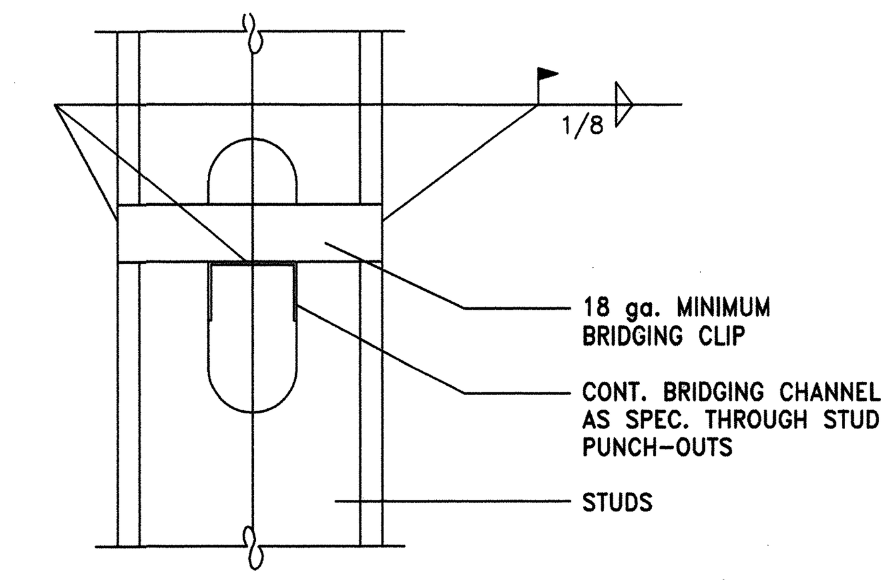
2 S0.2 SECTION — NO SCALE



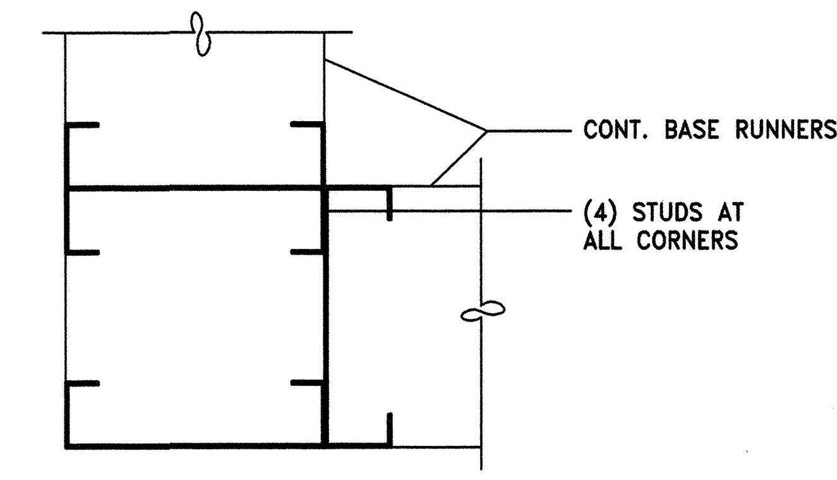
3 S0.2 SECTION — NO SCALE



4 S0.2 TYPICAL JOIST BEARING ELEVATION — NO SCALE



5 S0.2 TYPICAL STUD WALL BRIDGING — NO SCALE

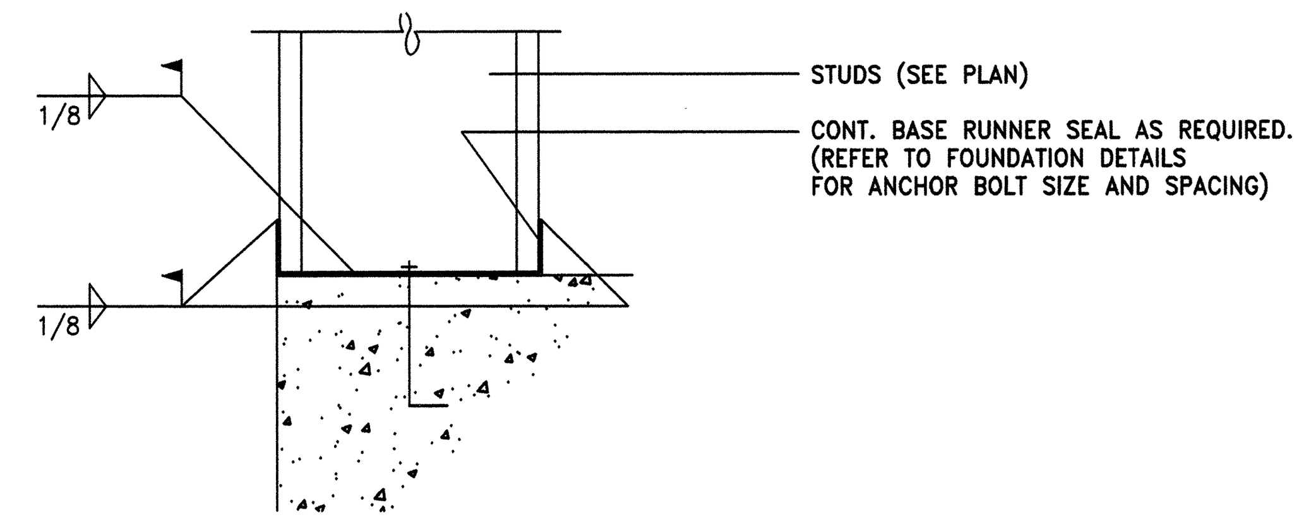


6 S0.2 TYPICAL STUD WALL CORNER CONDITION — NO SCALE

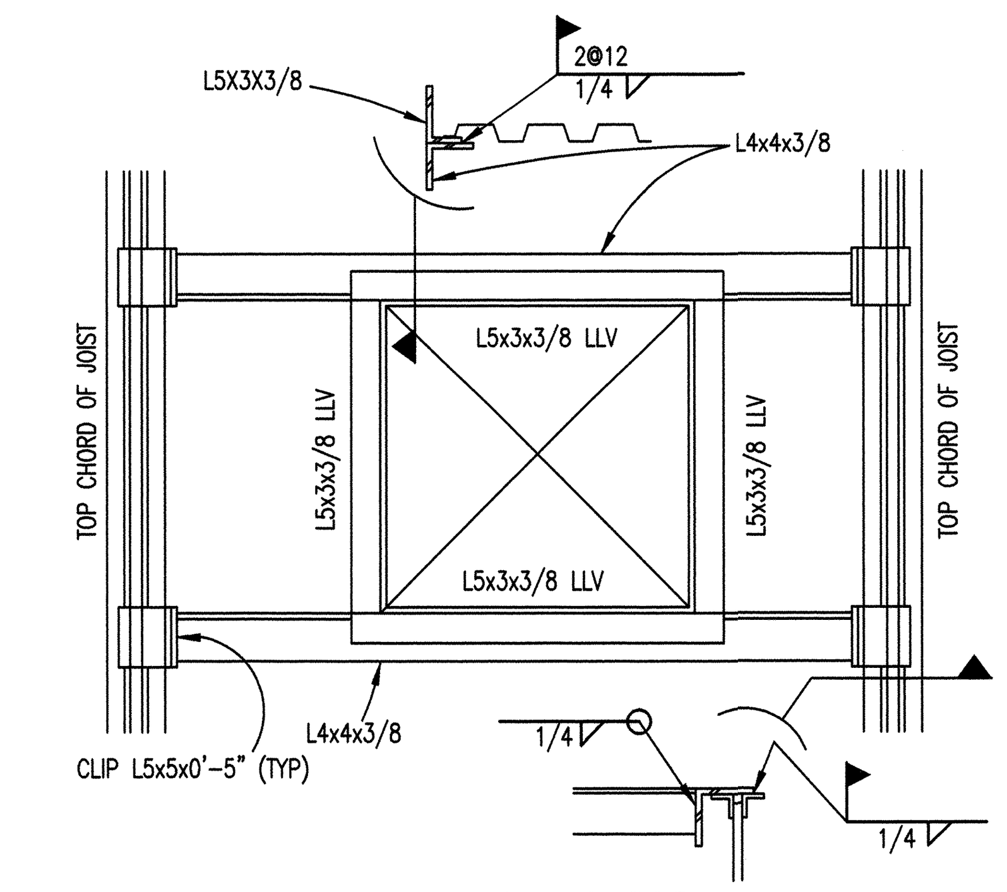
METAL HEADER SCHEDULE				
CONNECTION TYPE	MIN. FASTENER	MIN. O.C. SPACING	MIN. EDGE DIST.	REMARKS
METAL TO METAL 26-22 GAUGE	#6X1/2" WAFER HEAD	5/16"	3/8"	TYP. FRMG. SCREW WHEN DRYWALL OR PLYWOOD ETC. ARE APPLIED OVER
METAL TO METAL 20-14 GAUGE	8-18X5/8" WAFER HEAD SELF-DRILL	3/8"	1/2"	TYP. FRMG. SCREW WHEN DRYWALL OR PLYWOOD ETC. ARE APPLIED OVER
METAL TO METAL 20-14 GAUGE	10-16X3/4" HWH SELF-DRILL	1/2"	1/2"	STRUCT CONNECTIONS, MTL DECK TO LT GA SEE NOTE 4
METAL TO METAL LT. GA. TO HVY. GA.	12-24XL" HWH SELF-DRILL	1"	1/2"	L=⅞" FOR COMB THK ≤ ¼" =1¼" FOR COMB THK ≤ ½" SEE NOTE 4
METAL TO CONC LIGHT GAUGE	145"DIA.X 1-1/4" P.D.F.	4"	2" @ CONC ½" @ MTL	RECOMMENDED HILTI DNI32PB
PLYWOOD TO METAL LIGHT GAUGE	10-24XL" FLAT HEAD W/ WINGS	3"	⅜" @ CONC ½" @ MTL	L=1¾" FOR ½" PLY =2½" FOR ¾" PLY =2¾" FOR 1⅛" PLY
METAL TO WOOD LIGHT GAUGE	10-16X1" HWH HI-LO THRD	3"	¾" @ CONC ½" @ MTL	
METAL THRU PLY TO METAL 20-14 GAUGE	10-16X2" HWH SELF-DRILL	3"	⅜" @ CONC ½" @ MTL	LONG DRILL PT REQD OR PREDRILL PLY

NOTES:
1. LIGHT GAUGE = 12GA AND THINNER
2. ALL FASTENERS LISTED ABOVE SHALL BE ICBO APPROVED
3. ALL FASTENERS SHALL BE OF SUFFICIENT LENGTH A MIN OF THREE THREADS EXTENSION BEYOND MATERIALS BEING ATTACHED.
4. PROVIDE HEX WASHER HEAD W/ NEOPRENE WASHER WHERE WATER TIGHT SEAL IS NECESSARY

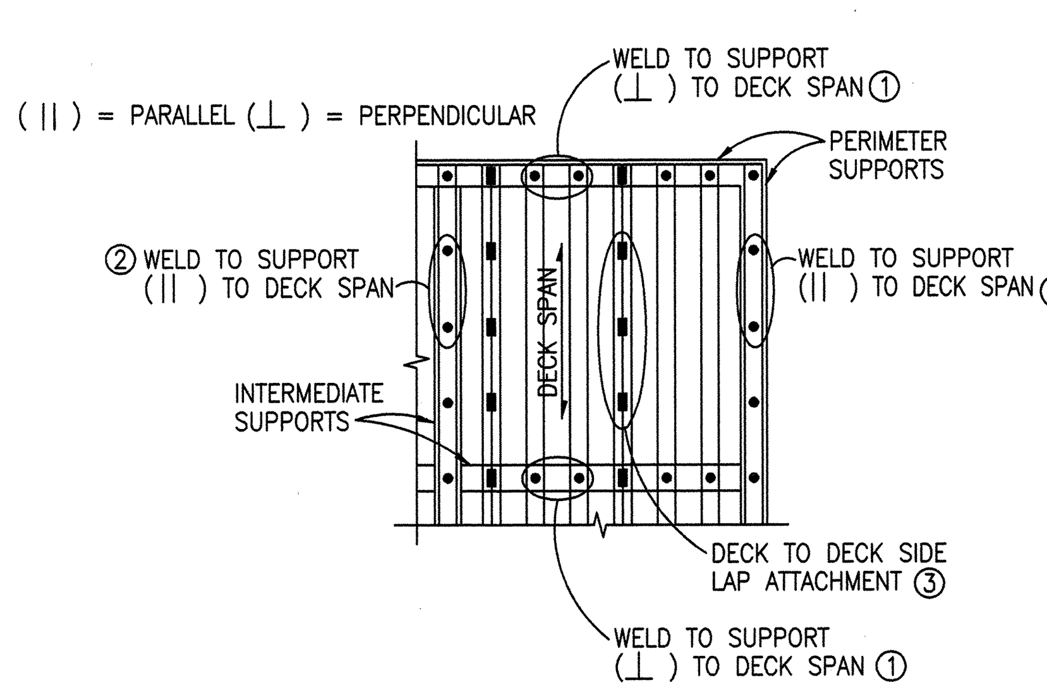
7 S0.2 METAL FRAME SCREW CONNECTION OPTION — NO SCALE



8 S0.2 TYPICAL BASE RUNNER — NO SCALE



TYPICAL ROOF OPENING FOR OPENINGS LARGER THAN 2'-6" NTS

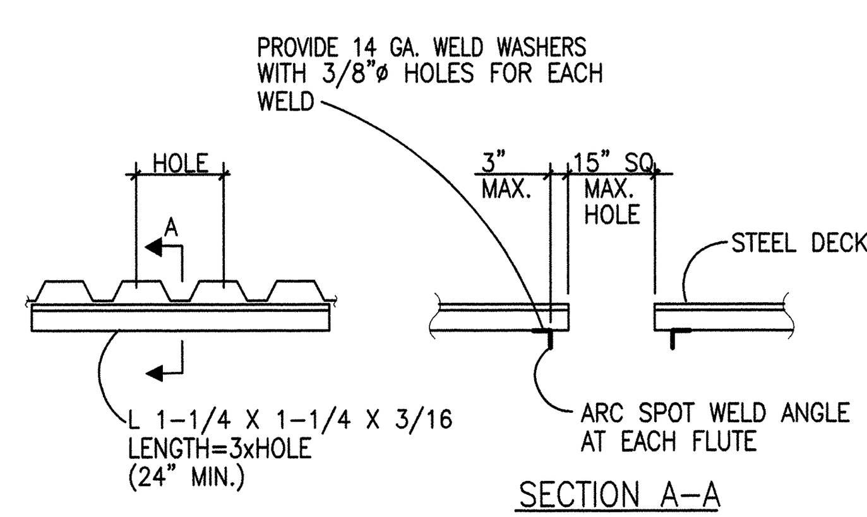


DECK TYPE	ATTACHMENT PATTERN			DIAPHRAGM SHEAR
	TO SUPPORT PERPENDICULAR TO DECK RIBS ①	TO SUPPORT PARALLEL TO DECK RIBS ②	DECK TO DECK SIDE LAPS ③	
B	5/8"PUDDLE WELD EVERY OTHER FLUTE	5/8" PUDDLE WELD @ 12" O.C.	(6) FASTENERS PER SPAN #10 TEK	482 LB/FT ON 6'-0" SPAN

NOTES:
1. DIAPHRAGM SHEAR IS ICBO ALLOWABLE DIAPHRAGM SHEAR FOR DECK INSTALLED IN ACCORDANCE WITH CONTRACT DOCUMENTS.
2. THE DETAILS SHOWN ON THIS SHEET SHALL BE INCORPORATED INTO THE PROJECT AT ALL LOCATIONS WHERE METAL DECK IS USED, WHETHER SPECIFICALLY CALLED OUT OR NOT.
3. DECK SHALL BE WELDED TO ALL BEAMS AND SUPPORTS.

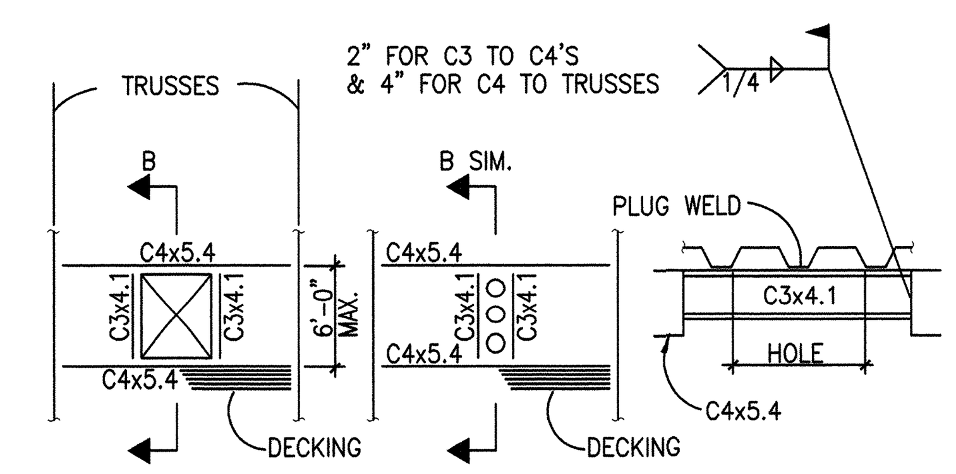
DECK TYPE	DEPTH (INCHES)	GAUGE	CONFIGURATION	I min. (IN^4/ FT)	Sx min (IN^3 / FT)
B	1½	18	1½" 6" 2½" 3½" 1¾" 36"	.292	.327

NOTES:
1. SUPERIMPOSED LOAD IS MINIMUM ICBO ALLOWABLE SUPERIMPOSED LOAD FOR DECK INSTALLED AS SHOWN ON CONTRACT DOCUMENTS.



NOTE:
FOR HOLES UP TO 3" DIAMETER, NO REINFORCEMENT IS REQUIRED.

TYPICAL FOR HOLES UP TO 15" SQUARE



FOR HOLES MORE THAN 15" SQUARE (LESS THAN 2'-6")

9 S0.2 METAL DECK DETAILS — NO SCALE

JJK Group, Inc.
Consulting Structural Engineers
3240 Juan Tabo NE Building C Albuquerque, New Mexico 87111 tel. 505 296 5706 fax 505 296-1672

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: GENERAL STRUCTURAL NOTES AND DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
City Project No. 6759.01	Zone Map No. F-19-Z	Sheet	Of **	

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
	--/--/--	---	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast" Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE

RMKMa PROJECT NO. 0207B

DRAWING FILE NO.

DATE SEPTEMBER, 2003

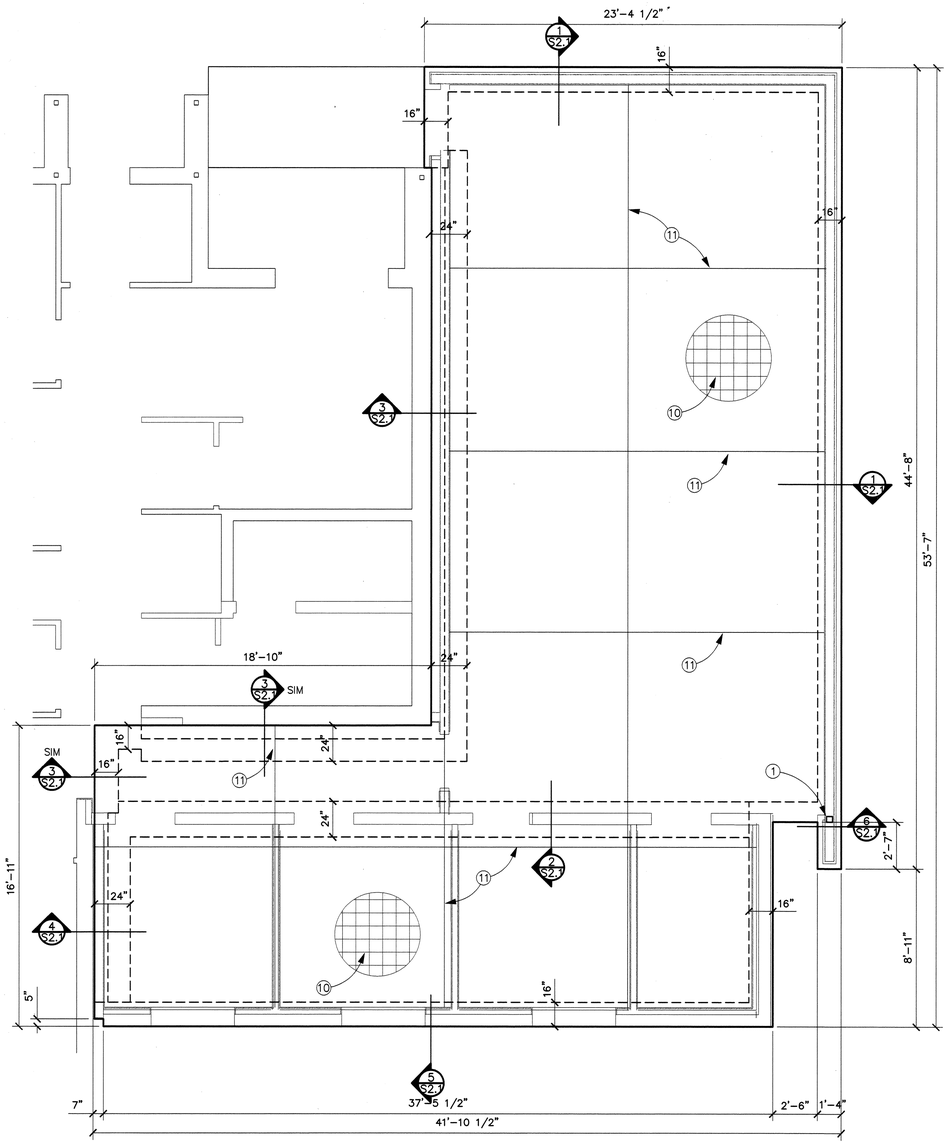
PROJECT MANAGER DANIEL CHAVEZ

DRAWN BY

SHEET TITLE
GENERAL STRUCTURAL NOTES AND DETAILS

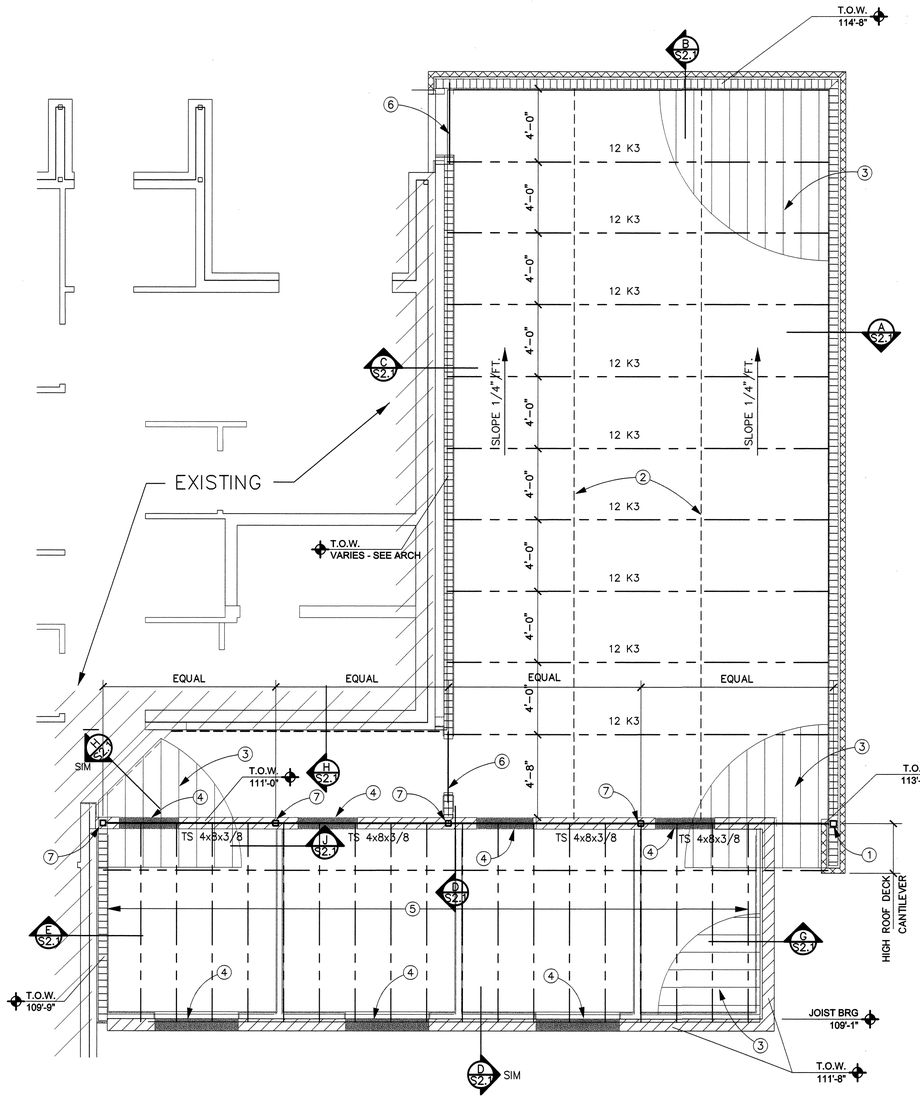
SHEET NUMBER
S0.2

JIM J. KAPURANIS NEW MEXICO 10263 REGISTERED PROFESSIONAL ENGINEER
11/12/03



FOUNDATION PLAN

VERIFY ALL DEMINSIONS W/ ARCH 1/4"=1'-0"



ROOF FRAMING PLAN

1/4"=1'-0"

NOTE: USE TOP OF BEAM AS BASIS FOR SLOPING ROOF STRUCTURE/JOISTS @ 1/4" PER FT.

LEGEND:

- 8" GLAZED CMU – SEE ARCH.
- 4" FACE BRICK – SEE ARCH.
- 6"x1-5/8" – 18 GA. METAL BEARING STUDS @ 16" O/C

T.O.W. = TOP OF WALL

T.O.B. = TOP OF BEAM

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES:

1. REFER TO ARCH. FOR WALL ELEVATIONS, BUILDING SECTIONS, ETC.
2. REFER TO GENERAL NOTES SHEETS S0.1 AND S0.2 FOR ALL REQUIREMENTS.
3. REFER TO ARCH. FOR ROOF REQUIRED PENETRATIONS/LOCATIONS.

KEYED NOTES: ○

ROOF FRAMING

1. TS 4x4x3/8 COL. FULL HEIGHT
2. BRIDGING PER MANUFACTURER.
3. 1-1/2" – 18 GA. METAL ROOF DECK
   Ix = .292 in^4
   Sx = .327 in^3
4. 8"x16" GLAZED CMU LINTEL W/(2) #5 CONT. (LOCATE 3" FROM BTM). PROVIDE 24" BEARING AT EACH END.
5. 8"x1-5/8" – 14 GA. METAL JOISTS @ 24" O/C.
   Ix = 6.9 in^4
   Sx = 1.7 in^3
6. (2) 8"x1-5/8" – 18 GA.
   Ix = 9 in^4
   Sx = 2.1 in^3
7. TS 4x4x3/8 COL. – POST DOWN TO 8" CMU (GLAZED) SEE D/S2.1.

FOUNDATION

10. 4" CONC. SLAB-ON-GRADE W/6x6 – W1.4xW1.4 WWF PLACED AT MID DEPTH OVER PREPARED SUBGRADE.
11. CONTROL JOINT – SEE SHEET S0.1.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: FOUNDATION AND ROOF FRAMING PLANS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
6759.01	F-19-Z	Of **

ISSUES & REVISIONS			
REV. #	DATE	DESCRIPTION	CHECK
	-/-/-	---	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE 1/4"=1'-0"

RMKMs PROJECT NO. 0207B

DRAWING FILE NO. 50-2003

DATE SEPTEMBER, 2003

PROJECT MANAGER DANIEL CHAVEZ

DRAWN BY DK

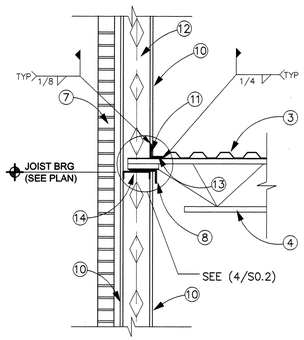
SHEET TITLE
FOUNDATION AND ROOF FRAMING PLANS

SHEET NUMBER
S1.1

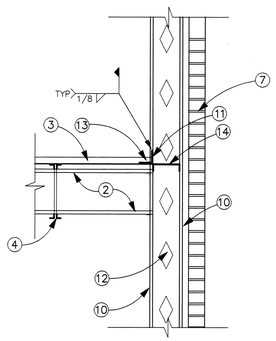
JJK Group, Inc.
Consulting Structural Engineers

3240 Juan Tabo NE Building C Albuquerque, New Mexico 87111 tel. 505 296 5706 fax 505 296-1672

JIM J. KAPURANIS NEW MEXICO 10283 REGISTERED PROFESSIONAL ENGINEER 11/12/03



A S2.1 SECTION 3/4"=1'-0"



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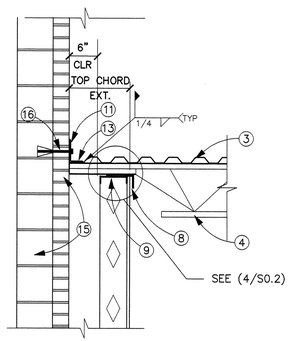
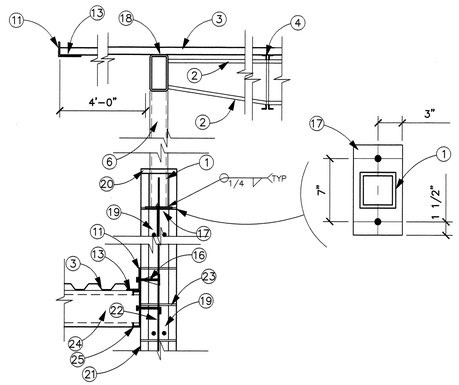
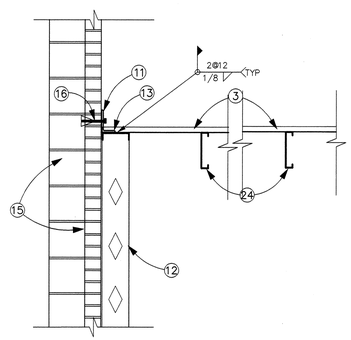


C S2.1 SECTION 3/4"=1'-0"



D S2.1 SECTION 3/4"=1'-0"



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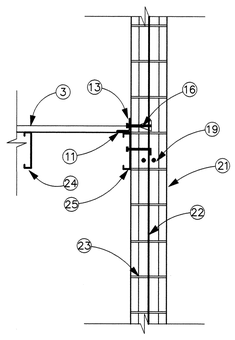
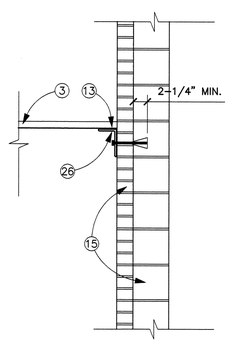
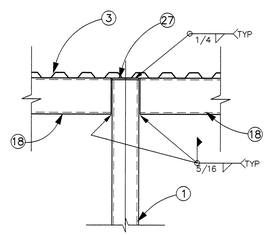


G S2.1 SECTION 3/4"=1'-0"



H S2.1 SECTION 3/4"=1'-0"



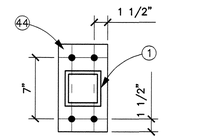
J S2.1 SECTION 3/4"=1'-0"

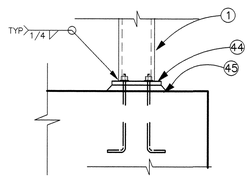
E S2.1 SECTION 3/4"=1'-0"

G S2.1 SECTION 3/4"=1'-0"

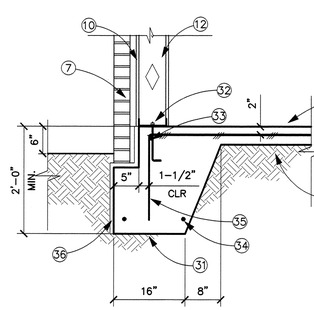
H S2.1 SECTION 3/4"=1'-0"

J S2.1 SECTION 3/4"=1'-0"

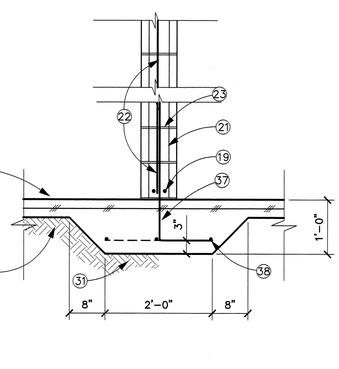




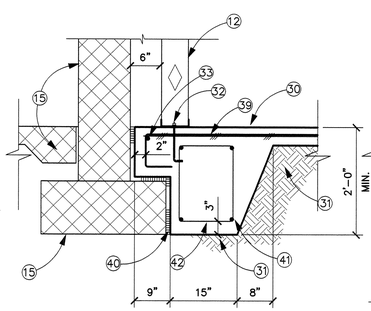
6 S2.1 SECTION 1-1/2"=1'-0"



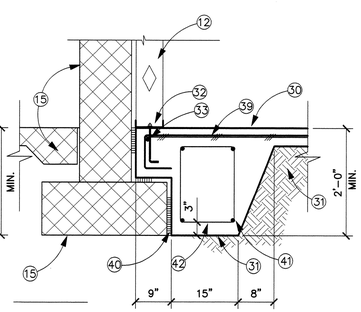
1 S2.1 SECTION 3/4"=1'-0"



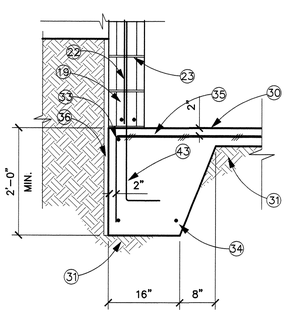
2 S2.1 SECTION 3/4"=1'-0"



3 S2.1 SECTION 3/4"=1'-0"



4 S2.1 SECTION 3/4"=1'-0"



5 S2.1 SECTION 3/4"=1'-0"

KEYED NOTES: ○

ROOF FRAMING

1. TS 4x4x3/8 COL. (SEE PLAN)
2. BRIDGING PER MANUFACTURER.
3. 1-1/2" – 18 GA. METAL ROOF DECK
   Ix = .292 in^4
   Sx = .327 in^3
4. OPEN WEB STEEL JOISTS – SEE PLAN
5. 8"x1-5/8" – 14 GA. METAL JOISTS @ 24" O/C.
   Ix = 6.9 in^4
   Sx = 1.7 in^3
6. CLERESTORY WINDOWS BEYOND– SEE ARCH
7. FACE BRICK – REFER TO MASONRY NOTES SHT S0.1
8. CLIP ANGLE – SEE 4/S0.2.
9. 16 GA. CONT. TOP TRACK.
10. 1/2" APA RATED WALL SHEATHING. SCREW W/#8 TEK SCREW@ 8" O/C BOUNDRY/EDGES AND 12" O/C FIELD.
11. L 5x3x1/4 CONT. DECK ANGLE (LLV)
12. 6"x1-5/8" – 18 GA. METAL STUDS @ 16" O/C.
    Ix = 2.20 in
    Sx = .70 in
13. REFER TO 9/S0.2 FOR DECK ATTACHMENT DETAILS.
14. 18 GA. – CONT. BLOCKING.
15. EXISTING STRUCTURE
16. 3/4"ø X 6" HILTI SLEEVE ANCHOR @ 24" O/C INTO MASONRY. (INSTALL PER MANUF. REQMTS)
17. PL 3/8"x6x0'–10" W/(2) 3/4"øx6" H.A.S. (EMBEDDED INTO FULLY GROUTED MASONRY).
18. TS 4x8x3/8 BEAM
19. 8" GLAZED CMU BOND BEAM W/(2) #4 CONT.
20. 1" GLAZED CAP BLOCK – SEE ARCH.
21. 8" CMU (GLAZED) – SEE PLAN
22. #5 @ 24" O/C VERT.
23. JOINT REINF. @ 16" O/C
24. METAL JOISTS (SEE PLAN)
25. 16 GA. LEDGER TRACK W/3/4"øx6" (A307) A.B. @ 24" O/C.
26. L 6x4x3/8 CONT. LEDGER ANGLE (LLV) W/3/4"øx8" HILTI EXPANSION BOLTS @ 24" O/C.
27. 3/8" CAP PLATE.

KEYED NOTES: ○

FOUNDATION

30. 4" CONC. SLAB–ON–GRADE W/6x6 – W1.4xW1.4 WWF PLACED AT MID DEPTH OVER PREPARED SUBGRADE PER SOILS REPORT.
31. PREPARED SUBGRADE.
32. 16 GA. CONT. TRACK W/1/2"øx10" (A307) A.B. @ 48" O/C. (12" FROM CORNERS AND OPENINGS).
33. (1) # 5 CONT.
34. (2) # 5 CONT.
35. #4 BENT BAR @ 24" O/C (48" | 12")
36. INSULATION – SEE ARCH.
37. #5 DOWELS @ 24" O/C (48" | 12" ALT. HORZ LEG)
38. (3) #5 CONT.
39. #4 DOWEL @ 24" O/C. (48" | 6")
40. 1" EXP JT MAT'L.
41. (4) #5 CONT.
42. #3 TIES @ 10" O/C
43. #5 DOWELS @ 24" O/C (48" | 8")
44. PL 3/8"x5–1/2x0'–10" W/(4) 3/4"øx10" (A307) A.B. (IN WALL)
45. 1" NON–SHRINK GROUT.

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: FOUNDATION AND ROOF FRAMING DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
6759.01	F-19-Z	Of **

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
	-/-/-	---	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast" Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
3/4"=1'-0"

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.
50-2003

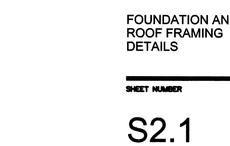
DATE
SEPTEMBER, 2003

PROJECT MANAGER
DANIEL CHAVEZ

DRAWN BY
DK

SHEET TITLE
FOUNDATION AND ROOF FRAMING DETAILS

SHEET NUMBER
S2.1



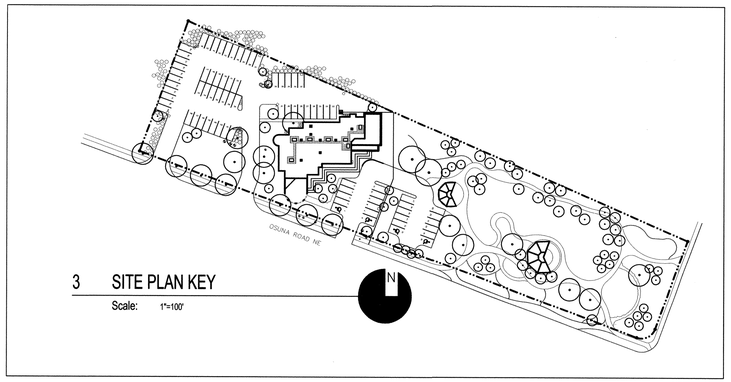
ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES

1. ARCHITECTS PREFERENCE IS FOR TREE TO REMAIN, HOWEVER IF NECESSARY TO REMOVE CONTRACTOR SHOULD PROVIDE REMOVAL.



3 SITE PLAN KEY

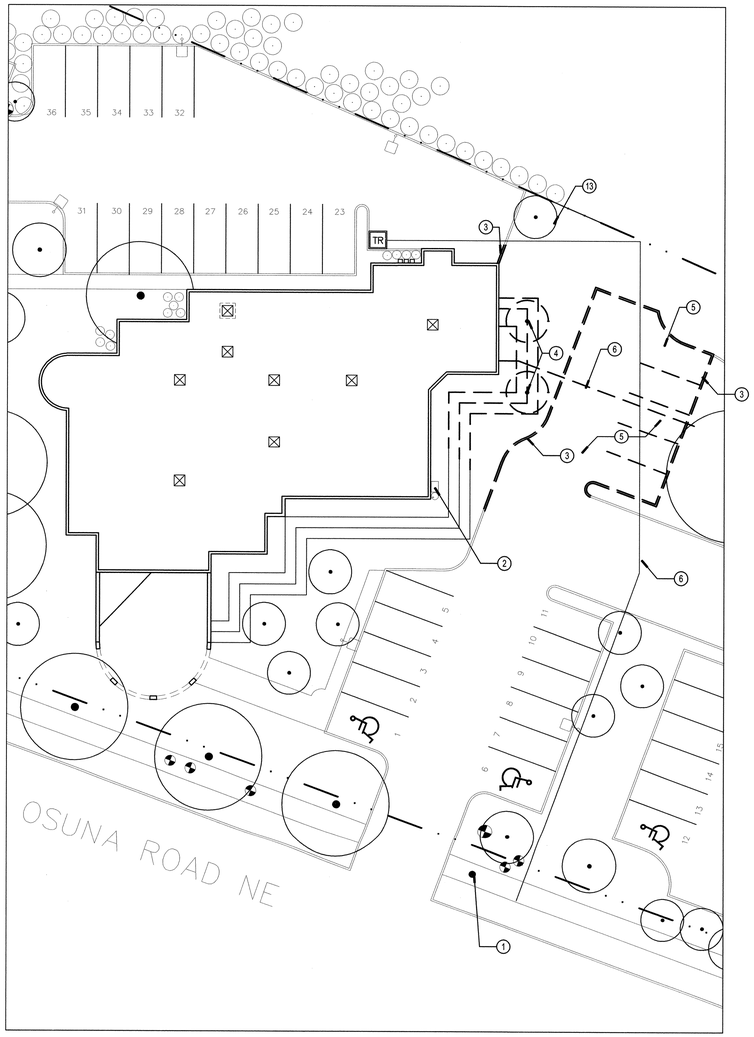
Scale: 1"=100'

KEYED NOTES

1. EXISTING FIRE HYDRANT.
2. EXISTING GAS METER.
3. REMOVE CURB.
4. REMOVE TREE.
5. REMOVE ASPHALT.
6. PRIMARY POWER FEED. RELOCATED BY CONTRACTOR.
7. NEW CONCRETE STOOP.
8. NEW LANDSCAPE BERM. SEE C1.0.
9. NEW CONCRETE CURB.
10. REPLACE LAVA ROCK.
11. RETURN GRADES TO MATCH SURROUNDINGS. (USE A NATIVE SEED MIX OF SOMEKIND). SEE C1.0.
12. PATCH AND REPAIR ASPHALT CUT.
13. ARCHITECTS PREFERENCE IS TO KEEP TREE. REMOVE ONLY IF NECESSARY.
14. RELOCATE WATER METER.
15. POST INDICATOR VALVE FOR FIRE PROTECTION SYSTEM.

LEGEND:

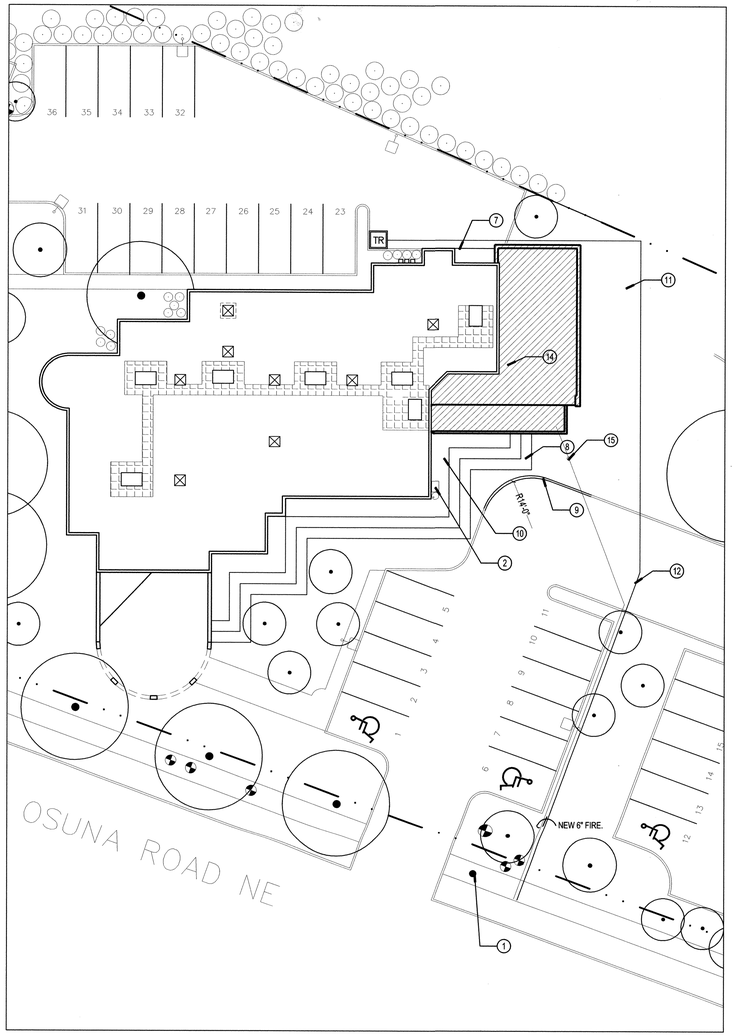
NEW ADDITION.



1 DEMOLITION SITE PLAN

Scale: 1"=20'

0 10' 20' 40'



2 SITE PLAN

Scale: 1"=20'

0 10' 20' 40'

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SITE PLAN/DEMO PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
6759.01	F-19-Z	Of **

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	10/14/03	PLAN CHECK CORRECTIONS	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
AS NOTED

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.
0207B-NE-A1.1

DATE
SEPTEMBER, 2003

PROJECT MANAGER
DANIEL CHAVEZ

DRAWN BY
DC, APZ

SHEET TITLE
SITE PLAN/DEMO PLAN

SHEET NUMBER
A1.1

STATE OF NEW MEXICO
DON HOWARD
MAY
NO. 2733
17 NOV 03
REGISTERED ARCHITECT

1 DEMOLITION FLOOR PLAN

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

0 4' 8' 16'

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES

1. REMOVE ALL EXISTING ACOUSTICAL AND GYP. BD. CEILINGS , AND REPLACE.

KEYED NOTES

1. DEMO CONCRETE STEM WALL.
2. REMOVE DOOR, FRAME AND HARDWARE.
3. REMOVE TILE ON FLOOR AND WALLS.
4. SALVAGE RECEPTION COUNTER.
5. DEMO ENTIRE BRICK WALL.
6. REMOVE EXISTING TOILET COMPARTMENTS.
7. RELOCATE LIGHT FIXTURE.
8. REMOVE EXISTING WALL.
9. SAW CUT AND REMOVE SLAB.
10. REMOVE WINDOW ASSEMBLY.
11. DEMO STAGE ENTIRELY
12. RELOCATE EXISTING WINDOW.
13. REMOVE ALL PLUMBING FIXTURES.
14. REMOVE ALL TOILET ACCESSORIES AND REPLACE WITH NEW.
15. REMOVE EXISTING CEILING.
16. REMOVE CONCRETE WALL BELOW WINDOW.
17. REMOVE FLOOR COVERING AND PATCH IN PATTERN INDICATED BY HATCH
18. REMOVE EXISTING CARPET AND RESILIENT BASE.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DEMOLITION FLOOR PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 6759.01 | Zone Map No. F-19-Z | Sheet | Of **

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PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

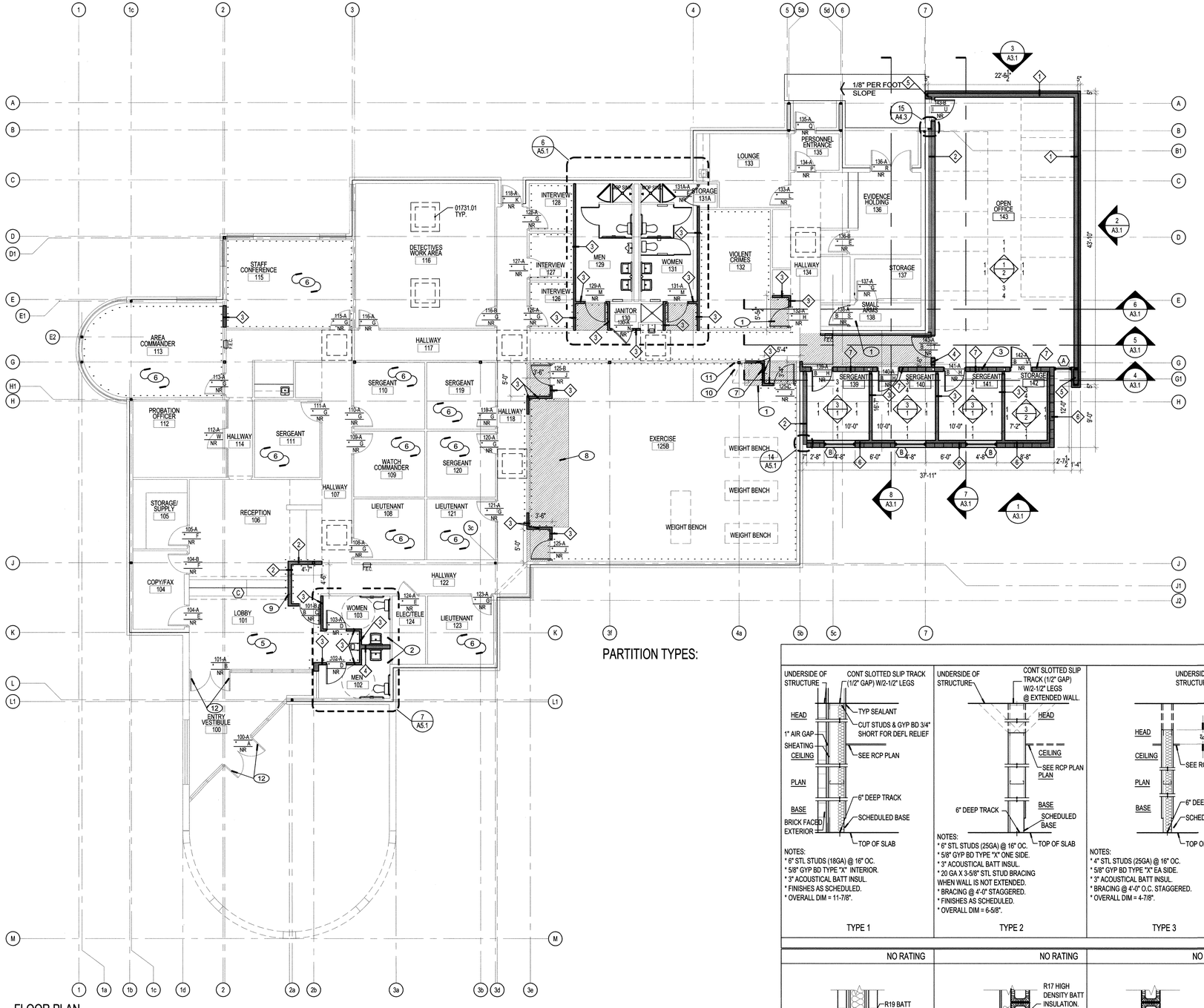
8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE: AS NOTED
RMKMa PROJECT NO.: 0207B
DRAWING FILE NO.: 0207B-NE-A2.0
DATE: SEPTEMBER, 2003
PROJECT MANAGER: DANIEL CHAVEZ
DRAWN BY: DC, APZ

SHEET TITLE: DEMOLITION FLOOR PLAN

SHEET NUMBER: A2.0

STATE OF NEW MEXICO · JOHN MAY · NO. 2733 · 17 NOV 03 · REGISTERED ARCHITECT



1 FLOOR PLAN

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

0 4' 8' 16'

PARTITION TYPES:

NOTES:
* 6" STL STUDS (18GA) @ 16" OC.
* 5/8" GYP BD TYPE "X" INTERIOR.
* 3" ACOUSTICAL BATT INSUL.
* FINISHES AS SCHEDULED.
* OVERALL DIM = 11-7/8".

TYPE 1

NOTES:
* 6" STL STUDS (25GA) @ 16" OC.
* 5/8" GYP BD TYPE "X" ONE SIDE.
* 3" ACOUSTICAL BATT INSUL.
* 20 GA X 3-5/8" STL STUD BRACING WHEN WALL IS NOT EXTENDED.
* BRACING @ 4'-0" STAGGERED.
* FINISHES AS SCHEDULED.
* OVERALL DIM = 6-5/8".

TYPE 2

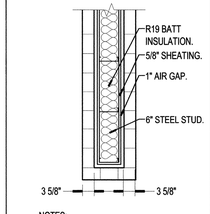
NOTES:
* 4" STL STUDS (25GA) @ 16" OC.
* 5/8" GYP BD TYPE "X" EA SIDE.
* 3" ACOUSTICAL BATT INSUL.
* BRACING @ 4'-0" O.C. STAGGERED.
* OVERALL DIM = 4-7/8".

TYPE 3

NOTES:
* 6" STL STUDS (25GA) @ 16" OC.
* 5/8" GYP BD TYPE "X" EACH SIDE.
* 3" ACOUSTICAL BATT INSUL.
* FINISHES AS SCHEDULED.
* OVERALL DIM = 6-5/8".

TYPE 4

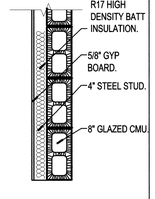
NO RATING



NOTES:
* 6" STL STUDS (18GA) @ 16" OC.
* 3" ACOUSTICAL BATT INSUL.
* 20 GA X 3-5/8" STL STUD BRACING WHEN WALL IS NOT EXTENDED.
* BRACING @ 4'-0" STAGGERED.
* FINISHES AS SCHEDULED.
* OVERALL DIM = 1'-4-1/2".

TYPE 5

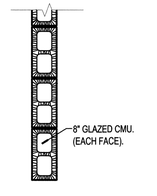
NO RATING



NOTES:
* 4" STL STUDS (25GA) @ 16" OC.
* 5/8" GYP BD TYPE "X" ONE SIDE.
* 3" ACOUSTICAL BATT INSUL.
* FINISHES AS SCHEDULED.
* OVERALL DIM = 1'-1/2".

TYPE 6

NO RATING



TYPE 7

ROOM FINISH LEGEND

CEILING FINISHES:	WALL FINISHES:
1. PAINTED STRUCTURE.	1. PAINTED GYPSUM BOARD.
2. PAINTED GYPSUM BOARD.	2. CERAMIC TILE.
3. LAY-IN ACOUSTICAL PANELS.	3. GLAZED CMU.
FLOOR FINISHES:	**BASE FINISHES:**
1. CARPET.	1. GALV. STEEL CHANNEL.
2. RESILIENT TILE.	2. VINYL RESILIENT.
3. CERAMIC TILE.	3. CERAMIC TILE.
	4. GLAZED CMU.

SYMBOLS

NW NB WW / CLG FLR / EW WB / SW SB — ROOM FINISH

115 / 2 / 7 / NR — DOOR NUMBER; DOOR TYPE;HARDWARE SET; FIRE RATING

* — EXISTING DOOR

6 — PARTITION TYPES.

A — WINDOW TYPES (SEE SHEET A6.1-1A).

NOTE:
DOOR REFERENCE.
SHEET A5.2 FOR DOOR ELEVATIONS

FIRE EXTINGUISHER CABINET

LEGEND :

NEW RUBBER FLOORING PATCH.

NEW WALL PARTITION.

EXISTING WALL PARTITION.

EXTENT OF NEW PAINT FOR RENOVATION, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PAINT TOUCH-UPS.

ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES

1. DO NOT SCALE DRAWINGS.
2. ENLARGED PLANS, SECTIONS AND DETAILS GOVERN.
3. SHOWN DIMENSIONS ARE FROM FACE OF STUDS TO FACE OF STUDS OR FROM COLUMN GRID CENTERLINE TO FACE OF STUDS UNLESS NOTED OTHERWISE.
4. PROVIDE ALL NECESSARY BLOCKING, BACKING AND FRAMING FOR ALL WALL MOUNTED ITEMS SUCH AS; FIXTURES, ACCESSORIES, EQUIPMENT, ETC. AS RECOMMENDED BY THE ITEM'S MANUFACTURER.
5. PATCH AND REPAIR FLOORS AND VINYL BASE IN AREAS OF WALL DEMOLITION.
6. MATCH EXISTING VINYL RUBBER FLOORING IN AREAS OF WALL DEMOLITION.
7. EXACT ROOM NAMES FOR SIGNAGE TO BE DETERMINED AT A LATER DAY.

KEYED NOTES

1. PATCH AND REPAIR EXISTING FLOORING, MATCH COLOR AND FLOORING TYPE.
2. NEW GYP. BOARD AND TILE. (IF ORIGINAL IS TILE).
3. NO STEEL STUD FURRING ON THIS WALL.
4. MATCH EXISTING VINYL BASE.
5. PATCH AND REPAIR QUARRY TILE AND GROUT IN AREAS OF WALL DEMOLITION AS REQUIRED.
6. NEW CARPET AND VINYL BASE.
7. RELOCATE EXISTING WINDOW HERE.
8. REMOVE PLATFORM AND PATCH AND REPAIR FLOOR.
9. MODIFY EXISITNG COUNTER AND GLAZING AS REQUIRED.
10. ROOF HATCH.
11. STEEL LADDER.
12. REMOVE EXISTING CLOSER ARM AND REPLACE WITH NEW SURFACE MOUNTED CLOSER

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: FLOOR PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
6759.01	F-19-Z	Of **

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	10/14/03	PLAN CHECK CORRECTIONS	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE: AS NOTED
RMKMa PROJECT NO.: 0207B
DRAWING FILE NO.: 0207B-NE-A2.1
DATE: SEPTEMBER, 2003
PROJECT MANAGER: DANIEL CHAVEZ
DRAWN BY: DC, APZ

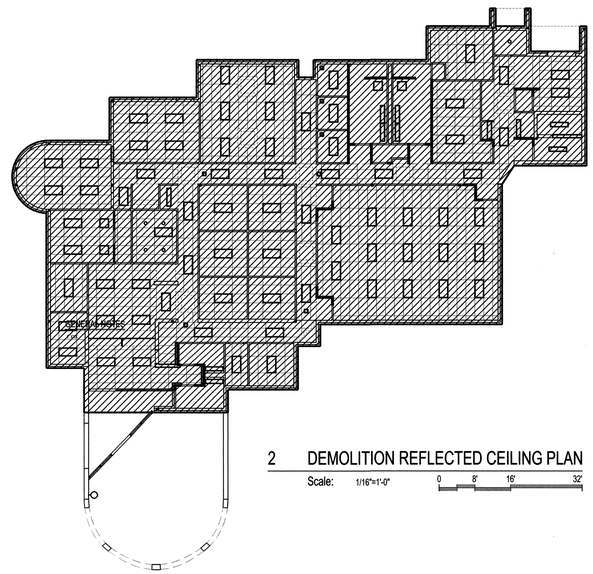
SHEET TITLE: FLOOR PLAN

SHEET NUMBER: A2.1

STATE OF NEW MEXICO
DON HOWARD MAY
NO. 2733
17 Nov. 03
REGISTERED ARCHITECT

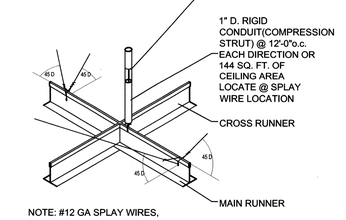
1 REFLECTED CEILING PLAN

Scale: 1/8"=1'-0" 0 4' 8' 16'



2 DEMOLITION REFLECTED CEILING PLAN

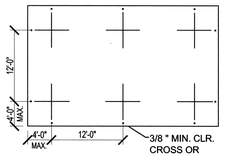
Scale: 1/16"=1'-0" 0 8' 16' 32'



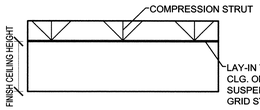
NOTE: #12 GA SPLAY WIRES, BRACING PLANE OF EACH RUNNER VERTICAL ANGLE 45 DEG'S MAX.

3 COMPRESSION STRUT

Scale: 1/1"=1'-0" 0 6" 1' 2'



NOTE: TIE ADJACENT WALLS TO CEILING MAIN & CROSS RUNNER NOTE: INSTALL CLG. GRID USING NO.12 GA. SPLAY WIRE HANGERS @ 45, 90 DEGREE TO EA. OTHER (4 WIRES) BEGINING 4'-0" FROM STARTING POINT OF GRID & TILE LAYOUT AND IN BOTH DIRECTIONS @ 12'-0" THEREAFTER



4 SEISMIC CEILING DETAILS

Scale: 1/1"=1'-0" 0 6" 1' 2'

ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES

1. SELECTED HARD CEILING DEMOLITION MAY NOT BE NECCESSARY AS RECOMENDADED BY THE CONTRACTOR, HOWEVER MUST BE APPROVED BY THE ARCHITECT. SKYLIGHT WELLS ARE TO REMAIN INTACT.

LEGEND

- LINEAR FLUORESCENT.
- 2' X 4' LAY-IN FIXTURE W/ CLEANABLE LENS.
- COMPACT FLUORESCENT SHOWER LIGHT.
- INTERIOR COMPACT FLUORESCENT DOWNSPOT.
- INTERIOR INCANDESCENT COLOR CORRECTED FOOD LAMPS (DIMABLE).
- UTILITY FLUORESCENT SURFACE MOUNTED FIXTURE.
- 1' X 4' RESTROOM FLUORESCENT RECESSED FIXTURE.
- GROUND MOUNTED RECESSED LANDSCAPE FIXTURE.
- WALL MOUNTED FIXTURE.
- EXTERIOR COMPACT FLUORESCENT DOWNSPOT.
- EXIT LIGHT.
- CEILING SUPPLY DIFFUSER.
- CEILING RETURN GRILLE.
- E EXHAUST.
- S WALL MOUNTED SUPPLY DIFFUSER.

(REFER TO ELECTRICAL AND MECHANICAL).

LEGEND :

- TYPE A: PAINTED GYPSUM BOARD
- TYPE B: 2'X4' LAY-IN ACOUSTICAL PANELS
- TYPE C: EXPOSED STRUCTURE
- DEMOLITION

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: REFLECTED CEILING PLAN/RCP DEMO

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of **
6759.01	F-19-Z		

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	10/14/03	PLAN CHECK CORRECTIONS	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

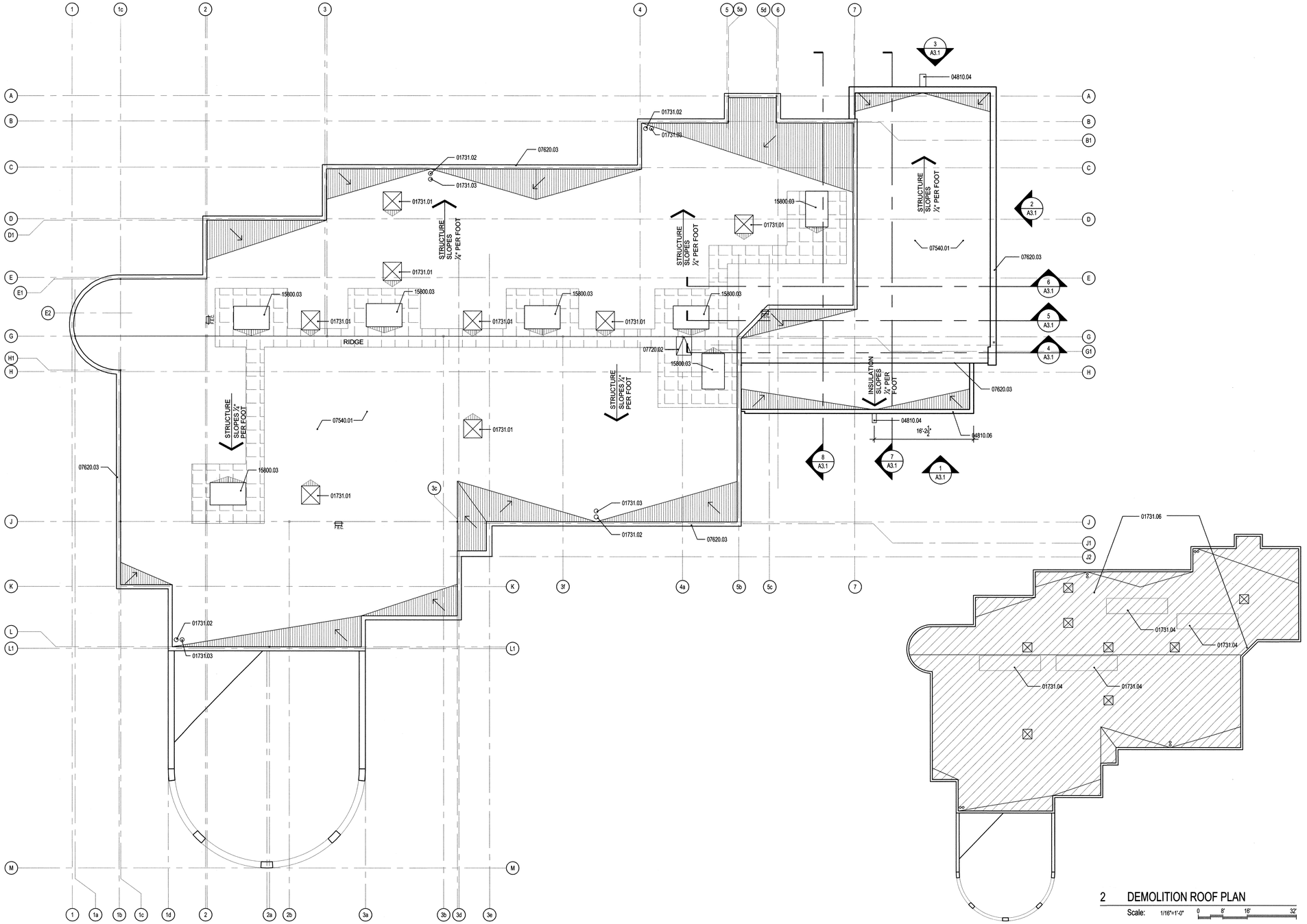
8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE: AS NOTED
RMKMa PROJECT NO.: 0207B
DRAWING FILE NO.: 0207B-NE-A2.2
DATE: SEPTEMBER, 2003
PROJECT MANAGER: DANIEL CHAVEZ
DRAWN BY: DC, APZ

SHEET TITLE
REFLECTED CEILING PLAN/RCP DEMO

SHEET NUMBER
A2.2

STATE OF NEW MEXICO DON HOWARD MAY NO. 2733 REGISTERED ARCHITECT 17 Nov 03

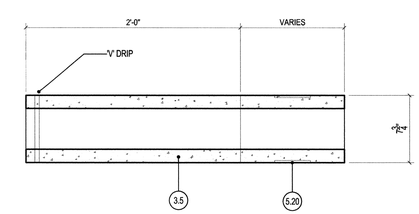


1 ROOF PLAN

Scale: 1/8"=1'-0" 0 4' 8' 16'

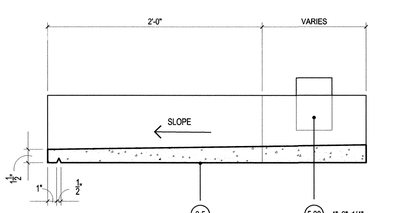
2 DEMOLITION ROOF PLAN

Scale: 1/16"=1'-0" 0 8' 16' 32'



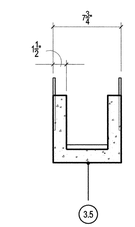
3 PRECAST CONCRETE CANALE PLAN DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



4 PRECAST CONCRETE CANALE SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



5 ELEVATION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"

ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES

1. SINGLE PLY ROOFING MEMBRANE AND INSULATION ARE TO BE FULLY ADHERED TO ROOF ASSEMBLY IN AREAS WHERE STRUCTURE IS EXPOSED ON REFLECTED CEILING PLAN. ALL OTHER CONDITIONS ARE MECHANICALLY FASTENED.
2. WALKWAY PADS ACHIEVED WITH SINGLE PLY ROOFING MEMBRANE.
3. REMOVE AND DISCARD ALL EXISTING ROOF COPING AND REPLACE WITH EDGE TRIM AS RECOMMENDED BY ROOFING MANUFACTURER.

DIVISION 1 - GENERAL REQUIREMENTS

01731.01	EXISTING SKYLIGHT. REMOVE AND RESET WITH NEW ROOFING.
01731.02	EXISTING ROOF DRAIN. FLASH IN NEW ROOFING.
01731.03	EXISTING OVERFLOW DRAIN. FLASH IN NEW ROOFING.
01731.04	REMOVE EXISTING ROOF TOP UNIT AND CURB. FILL IN ROOF OPENINGS AND APPLY NEW ROOFING OVER.
01731.06	REMOVE EXISTING ROOFING AND ROOF INSULATION DOWN TO EXISTING METAL DECK, AND REPLACE WITH NEW ROOFING SYSTEM.

DIVISION 4 - MASONRY

04810.04	NEW CONCRETE PRECAST SCUPPER. SC121224 BY MATERIALS, INC.
04810.06	GLAZED CMU CAP.

DIVISION 7 - THERMAL & MOISTURE PROTECTION

07540.01	THERMOPLASTIC SINGLE-PLY MEMBRANE ROOFING.
07620.03	METAL ROOF EDGING.
07720.02	ROOF HATCH.

DIVISION 15 - MECHANICAL

15800.03	NEW ROOFTOP UNIT. SEE MECHANICAL DRAWINGS.

LEGEND:

TAPERED INSULATION ¼" PER FT.

DEMOLITION CONSTRUCTION.

WALKWAY PADS.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ROOF PLAN/ROOF DEMO

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 6759.01 | Zone Map No. F-19-Z | Sheet Of **

ISSUES & REVISIONS			
1	10/14/03	PLAN CHECK CORRECTIONS	
REV. #	DATE	DESCRIPTION	CHECK

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
AS NOTED

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.
0207B-NE-A2.3

DATE
SEPTEMBER, 2003

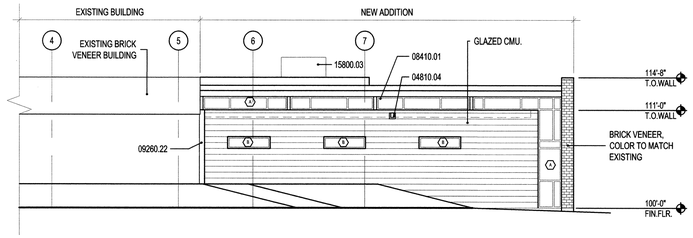
PROJECT MANAGER
DANIEL CHAVEZ

DRAWN BY
DC, APZ

SHEET TITLE
ROOF PLAN/ROOF DEMO

STATE OF NEW MEXICO
JOHN EDWARD MAY
NO. 2733
17 Nov 03
REGISTERED ARCHITECT

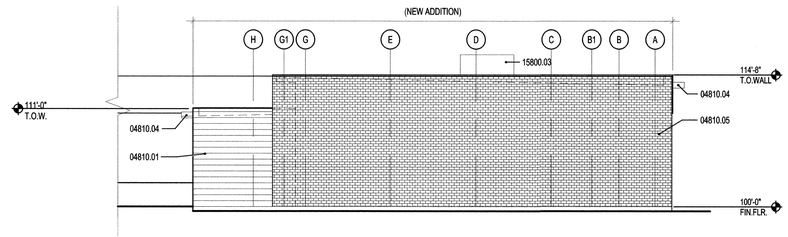
SHEET NUMBER
A2.3



1 SOUTH ELEVATION

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

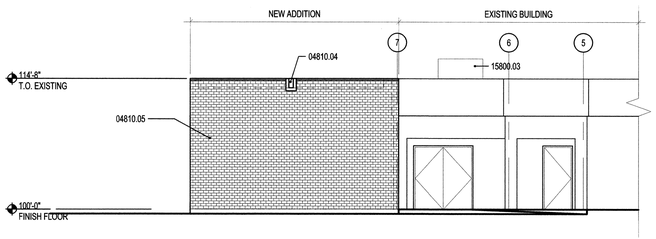
0 4' 8' 16'



2 EAST ELEVATION

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

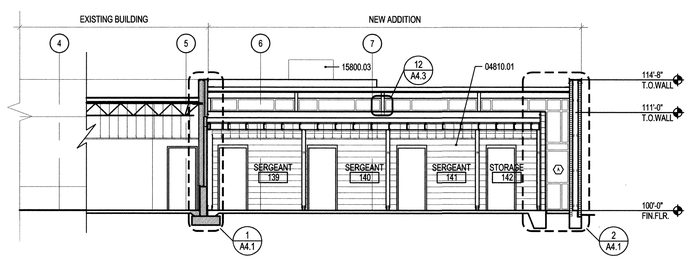
0 4' 8' 16'



3 NORTH ELEVATION

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

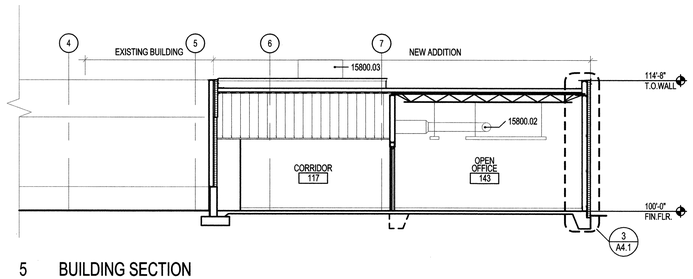
0 4' 8' 16'



4 BUILDING SECTION

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

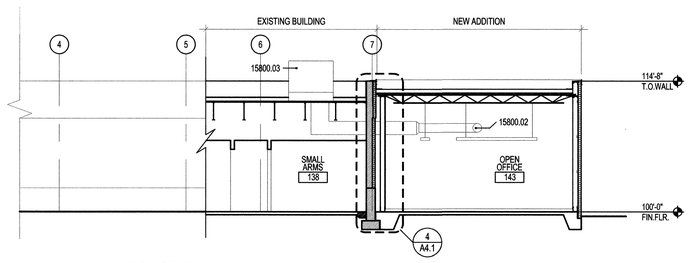
0 4' 8' 16'



5 BUILDING SECTION

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

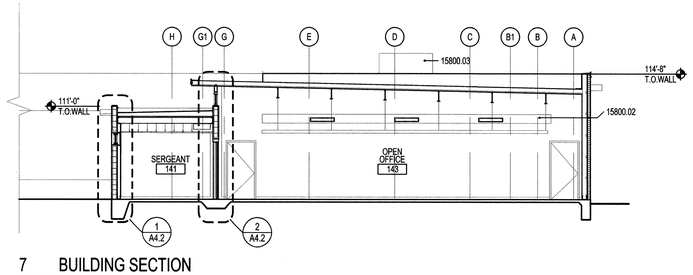
0 4' 8' 16'



6 BUILDING SECTION

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

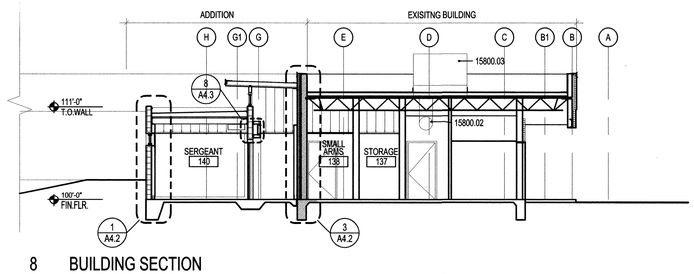
0 4' 8' 16'



7 BUILDING SECTION

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

0 4' 8' 16'



8 BUILDING SECTION

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

0 4' 8' 16'

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ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES

1. XXX

DIVISION 4 - MASONRY

04810.01 8" GLAZED CMU. SEE STRUCTURAL DRAWINGS.
04810.04 NEW CONCRETE PRECAST SCUPPER. SC121224 BY MATERIALS, INC.
04810.05 BRICK VENEER TO MATCH EXISTING.

DIVISION 8 - DOORS & WINDOWS

08410.01 ALUMINUM STOREFRONT SYSTEM (EXTERIOR).

DIVISION 9 - FINISHES

09260.22 GALVANIZED BREAK METAL.

DIVISION 15 - MECHANICAL

15800.02 DUCTWORK, SEE MECHANICAL DRAWINGS.
15800.03 NEW ROOFTOP UNIT. SEE MECHANICAL DRAWINGS.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ELEVATIONS AND BUILDING SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
6759.01	F-19-Z	Of **

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
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John Arthur Carrillo- "Northeast"
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8201 Osuna RD NE.
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SCALE
AS NOTED

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.
0207B-NE-A3.1

DATE
SEPTEMBER, 2003

PROJECT MANAGER
DANIEL CHAVEZ

DRAWN BY
DC, APZ

SHEET TITLE
ELEVATIONS &
BUILDING SECTIONS

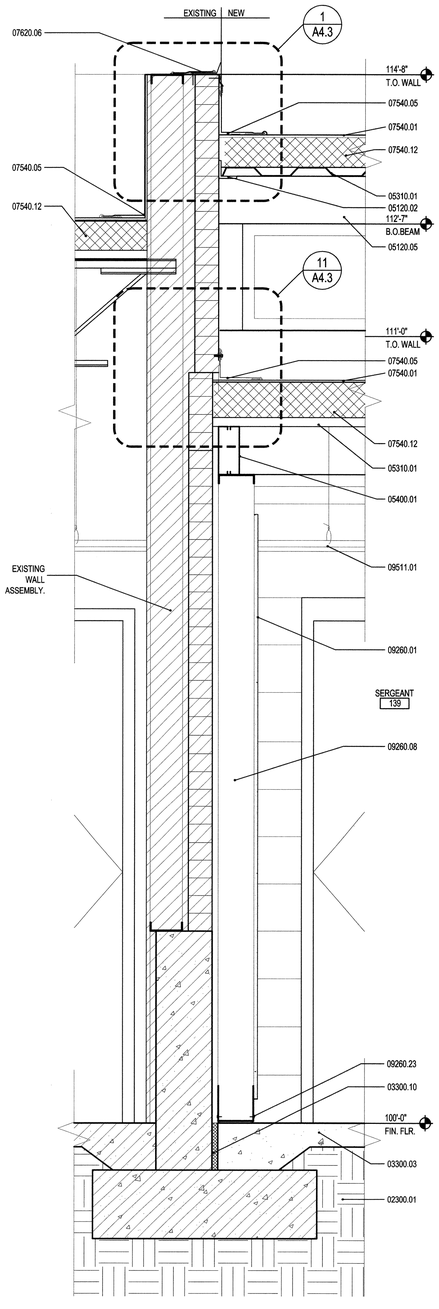
STATE OF NEW MEXICO
DION HOWARD
AIA
NO. 2733
17 NOV. 03
REGISTERED ARCHITECT

SHEET NUMBER
A3.1

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

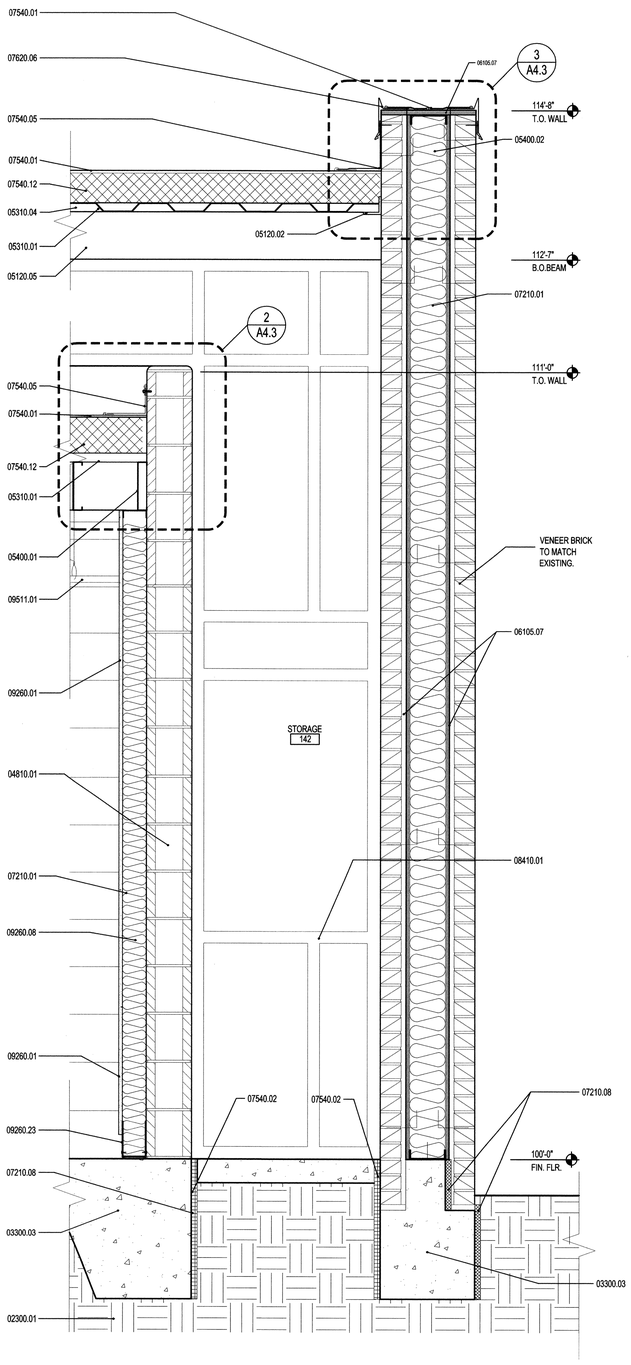
PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454



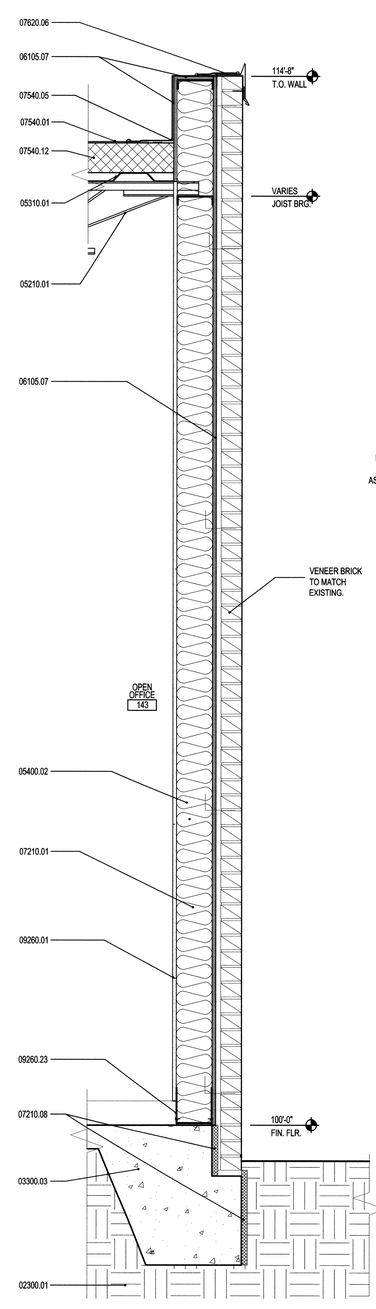
1 WALL SECTION

Scale: 1"=1'-0" 0 6" 1' 2'



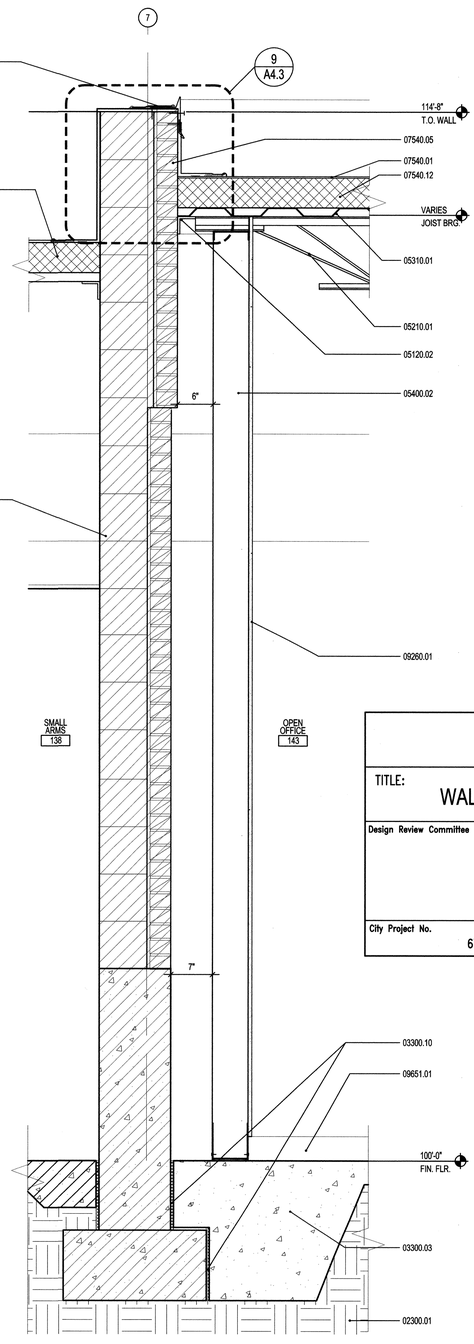
2 WALL SECTION

Scale: 1"=1'-0" 0 6" 1' 2'



3 WALL SECTION

Scale: 1"=1'-0" 0 6" 1' 2'



4 WALL SECTION

Scale: 1"=1'-0" 0 6" 1' 2'

GENERAL NOTES

1. FULLY ADHERE RIGID INSULATION TO ROOF DECK WHEN CEILING IS EXPOSED STRUCTION. SEE SHEET A2.2.

DIVISION 2 - SITE CONSTRUCTION

02300.01 PREPARED SUBGRADE, SEE STRUCTURAL DRAWINGS.

DIVISION 3 - CONCRETE

03300.03 CAST IN PLACE CONCRETE ON GRADE. SEE STRUCTURAL DRAWINGS.
03300.10 1/2" EXPANSION MATERIAL.

DIVISION 4 - MASONRY

04810.01 8" GLAZED CMU. SEE STRUCTURAL DRAWINGS.

DIVISION 5 - METALS

05120.02 STEEL ANGLE. SEE STRUCTURAL.
05120.05 STEEL TUBING. SEE STRUCTURAL.
05210.01 STEEL JOIST. SEE STRUCTURAL.
05310.01 STEEL DECK. SEE STRUCTURAL DRAWINGS.
05310.04 UNDERSIDE RUBBER CLOSER.
05400.01 8" C-JOIST. SEE STRUCTURAL.
05400.02 STEEL STUD. SEE STRUCTURAL.

DIVISION 6 - WOOD & PLASTICS

06105.07 7/16" SHEATHING.

DIVISION 7 - THERMAL & MOISTURE PROTECTION

07210.01 BATT INSULATION.
07210.08 1" RIGID INSULATION.
07540.01 THERMOPLASTIC SINGLE-PLY MEMBRANE ROOFING.
07540.02 CAULK SEAM.
07540.05 BASE FLASHING.
07540.12 5" ROOF INSULATION.(MINIMUM).
07620.06 GALVANIZED METAL EDGING.

DIVISION 8 - DOORS & WINDOWS

08410.01 ALUMINUM STOREFRONT SYSTEM (EXTERIOR).

DIVISION 9 - FINISHES

09260.01 5/8" TYPE "X" GYPSUM BOARD.
09260.08 STUD AS REQUIRED BY WALL TYPE.
09260.23 6" DEEP 16 GA. GALVANIZED TRACK.
09511.01 SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM.
09651.01 SCHEDULED WALL BASE.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WALL SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
6759.01	F-19-Z	Of **

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	10/14/03	PLAN CHECK CORRECTIONS	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation

100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
AS NOTED

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.
0207B-NE-A4.1

DATE
SEPTEMBER, 2003

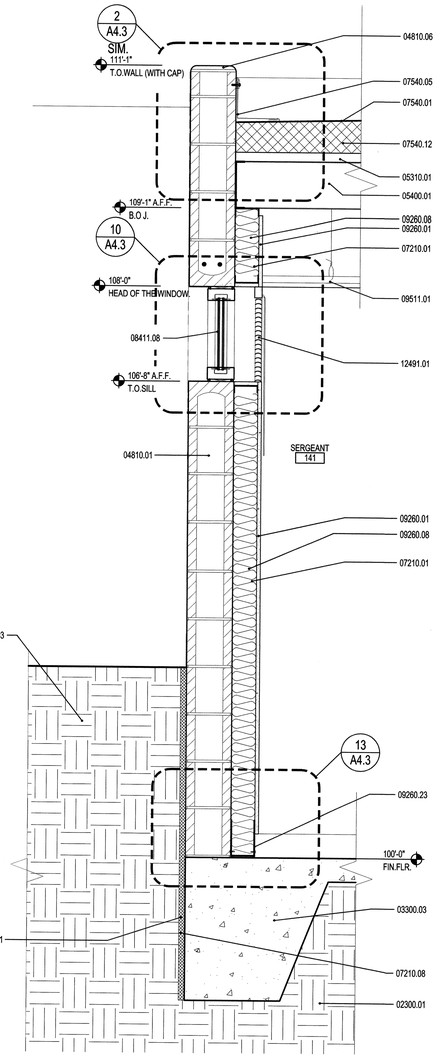
PROJECT MANAGER
DANIEL CHAVEZ

DRAWN BY
DC, APZ

SHEET TITLE
WALL SECTIONS

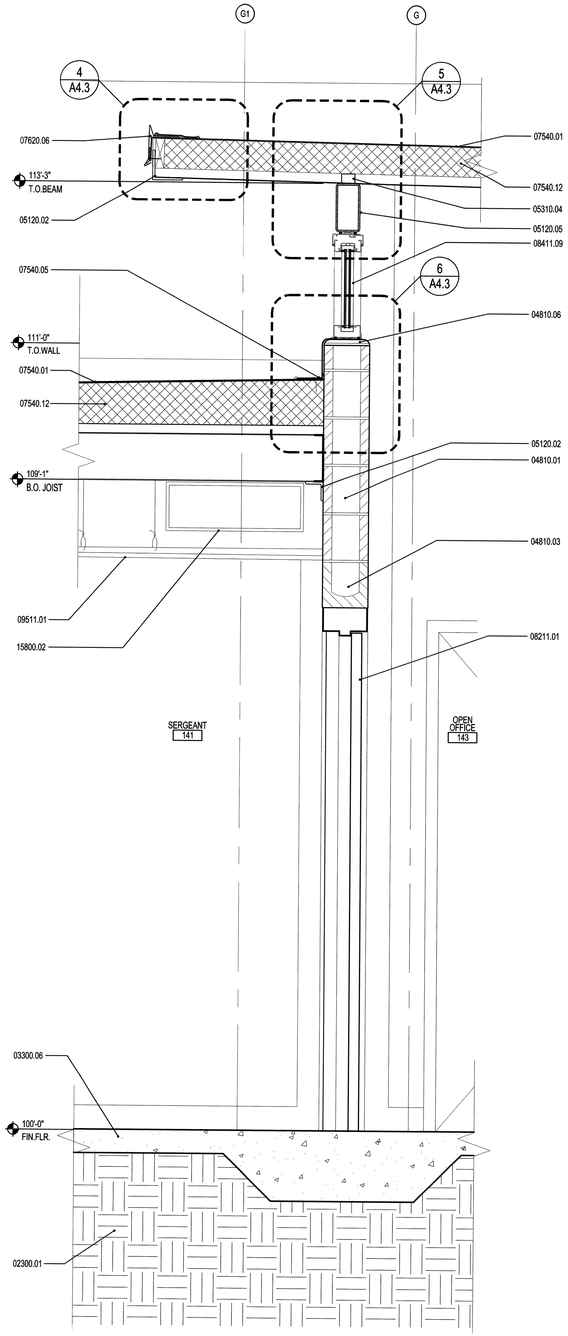
SHEET NUMBER
A4.1

STATE OF NEW MEXICO
DON HOWARD MAY
NO. 2733
REGISTERED ARCHITECT
17 NOV 03



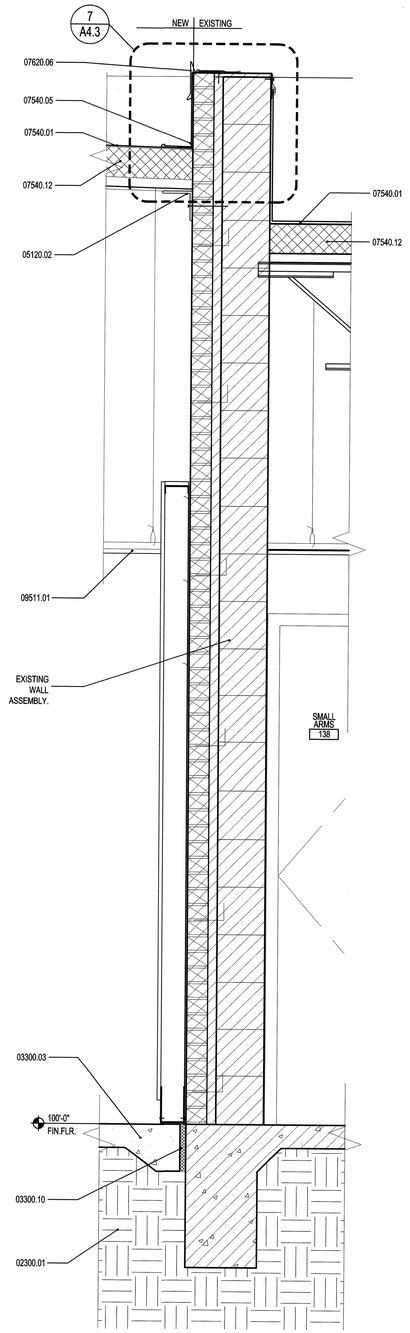
1 WALL SECTION

Scale: 0 6" 1' 2'



2 WALL SECTION

Scale: 0 6" 1' 2'



3 WALL SECTION

Scale: 0 6" 1' 2'

ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES

1. XXX

DIVISION 2 - SITE CONSTRUCTION

02300.01 PREPARED SUBGRADE, SEE STRUCTURAL DRAWINGS.
02300.03 LANDSCAPE BERM.

DIVISION 3 - CONCRETE

03300.03 CAST IN PLACE CONCRETE ON GRADE. SEE STRUCTURAL DRAWINGS.
03300.06 SLAB ON GRADE.
03300.10 1/2" EXPANSION MATERIAL.

DIVISION 4 - MASONRY

04810.01 8" GLAZED CMU. SEE STRUCTURAL DRAWINGS.
04810.03 8" REINFORCED CONCRETE MASONRY LINTEL. SEE STRUCTURAL DRAWINGS.
04810.06 GLAZED CMU CAP.

DIVISION 5 - METALS

05120.02 STEEL ANGLE. SEE STRUCTURAL.
05120.05 STEEL TUBING. SEE STRUCTURAL.
05310.01 STEEL DECK. SEE STRUCTURAL DRAWINGS.
05310.04 UNDERSIDE RUBBER CLOSER.
05400.01 8" C-JOIST. SEE STRUCTURAL.

DIVISION 7 - THERMAL & MOISTURE PROTECTION

07160.01 BITUMINOUS DAMPROUFING AND PROTECTION BOARD.
07210.01 BATT INSULATION.
07210.08 1" RIGID INSULATION.
07540.01 THERMOPLASTIC SINGLE-PLY MEMBRANE ROOFING.
07540.05 BASE FLASHING.
07540.12 5" ROOF INSULATION.(MINIMUM).
07620.06 GALVANIZED METAL EDGING.

DIVISION 8 - DOORS & WINDOWS

08211.01 WOOD DOOR - SEE DOOR SCHEDULE.
08411.08 ALUMINUM WINDOW SYSTEM.
08411.09 ALUMINUM STOREFRONT SYSTEM.

DIVISION 9 - FINISHES

09260.01 5/8" TYPE "X" GYPSUM BOARD.
09260.08 STUD AS REQUIRED BY WALL TYPE.
09260.23 6" DEEP 16 GA. GALVANIZED TRACK.
09511.01 SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM.

DIVISION 12 - FURNISHINGS

12491.01 1" MINI BLINDS.

DIVISION 15 - MECHANICAL

15800.02 DUCTWORK. SEE MECHANICAL DRAWINGS.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WALL SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
6759.01	F-19-Z	Of **

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	10/14/03	PLAN CHECK CORRECTIONS	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
AS NOTED

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.
0207B-NE-A4.2

DATE
SEPTEMBER, 2003

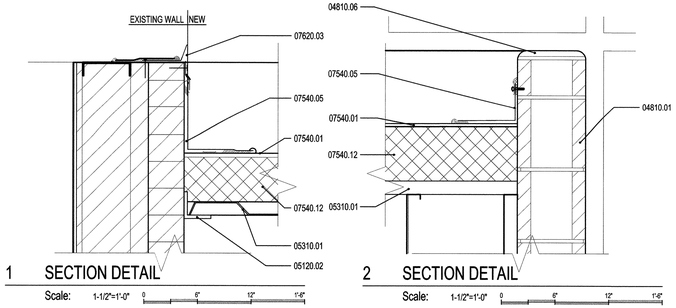
PROJECT MANAGER
DANIEL CHAVEZ

DRAWN BY
DC, APZ

SHEET TITLE
WALL SECTIONS

SHEET NUMBER
A4.2

STATE OF NEW MEXICO
DON HOWARD MAY
N.M. NO. 2733
17 NOV 03
REGISTERED ARCHITECT

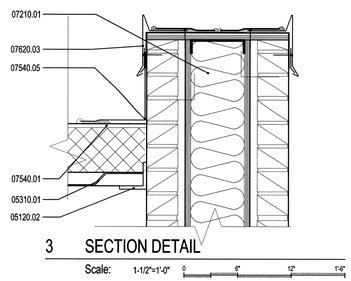


1 SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"

2 SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



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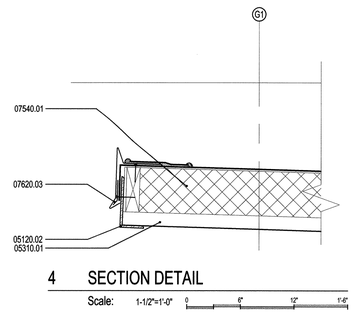
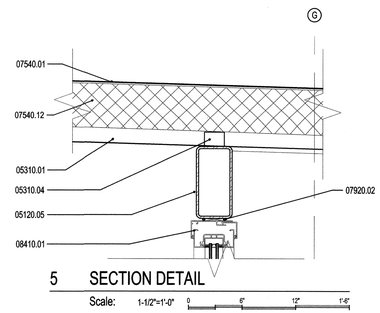


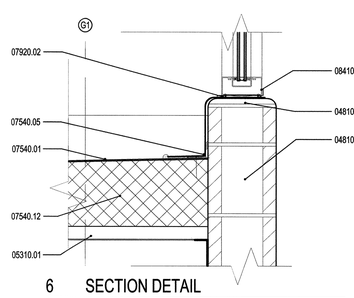
4 SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



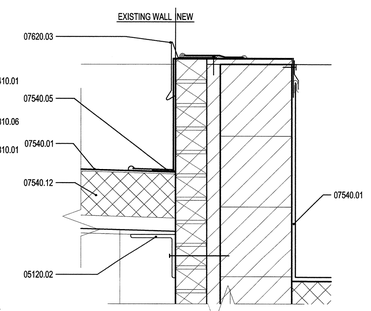
5 SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



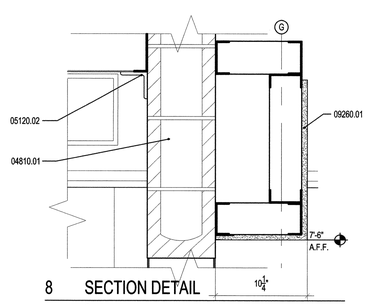
6 SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



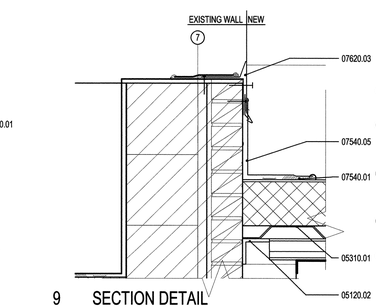
7 SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



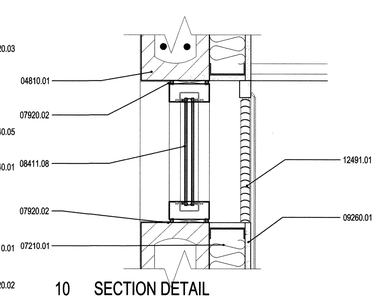
8 SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



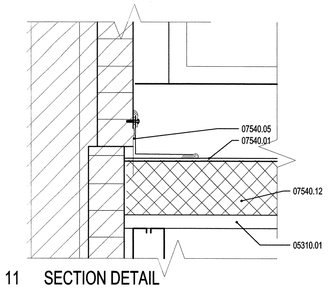
9 SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



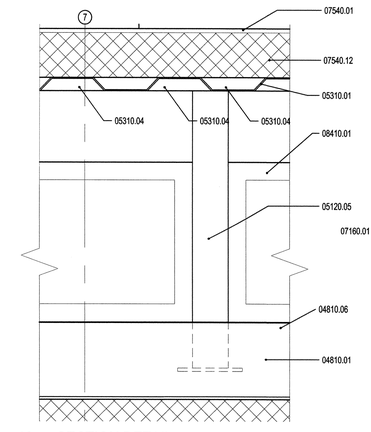
10 SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



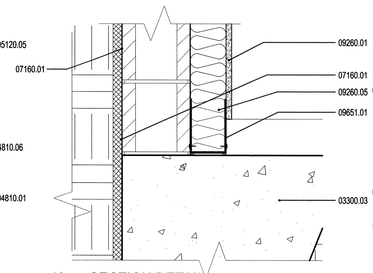
11 SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



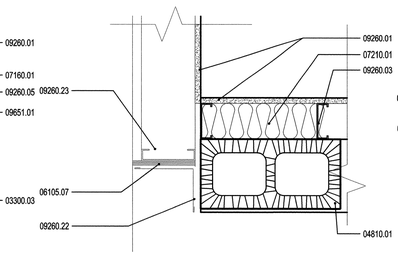
12 SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



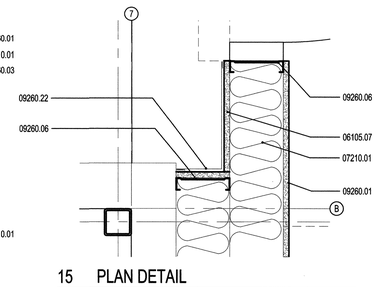
13 SECTION DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



14 PLAN DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"



15 PLAN DETAIL

Scale: 1-1/2"=1'-0" 0 6" 12" 1'-6"

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES

1. PAINT ALL EXPOSED STRUCTURE.
2. ALL EXPOSED CMU TO HAVE A GLAZED SURFACE.

DIVISION 3 - CONCRETE

03300.03 CAST IN PLACE CONCRETE ON GRADE. SEE STRUCTURAL DRAWINGS.

DIVISION 4 - MASONRY

04810.01 8" GLAZED CMU. SEE STRUCTURAL DRAWINGS.
04810.06 GLAZED CMU CAP.

DIVISION 5 - METALS

05120.02 STEEL ANGLE. SEE STRUCTURAL.
05120.05 STEEL TUBING. SEE STRUCTURAL.
05310.01 STEEL DECK. SEE STRUCTURAL DRAWINGS.
05310.04 UNDERSIDE RUBBER CLOSER.

DIVISION 6 - WOOD & PLASTICS

06105.07 7/16" SHEATHING.

DIVISION 7 - THERMAL & MOISTURE PROTECTION

07160.01 BITUMINOUS DAMPROUFING AND PROTECTION BOARD.
07210.01 BATT INSULATION.
07540.01 THERMOPLASTIC SINGLE-PLY MEMBRANE ROOFING.
07540.05 BASE FLASHING.
07540.12 5" ROOF INSULATION.(MINIMUM).
07620.03 METAL ROOF EDGING.
07920.02 BACKER ROD AND SEALANT.

DIVISION 8 - DOORS & WINDOWS

08410.01 ALUMINUM STOREFRONT SYSTEM (EXTERIOR).
08411.08 ALUMINUM WINDOW SYSTEM.

DIVISION 9 - FINISHES

09260.01 5/8" TYPE "X" GYPSUM BOARD.
09260.03 4" STEEL STUDS (25 GA.) @ 16" OC.
09260.05 4" STEEL STUDS (18 GA.) @ 16" O.C.
09260.06 6" STEEL STUDS (25 GA.) @ 16" OC.
09260.22 GALVANIZED BREAK METAL.
09260.23 6" DEEP 16 GA. GALVANIZED TRACK.
09651.01 SCHEDULED WALL BASE.

DIVISION 12 - FURNISHINGS

12491.01 1" MINI BLINDS.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of **
6759.01	F-19-Z		

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	10/14/03	PLAN CHECK CORRECTIONS	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
AS NOTED

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.
0207B-NE-A4.3

DATE
SEPTEMBER, 2003

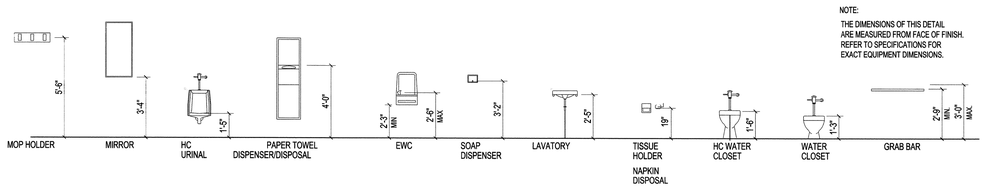
PROJECT MANAGER
DANIEL CHAVEZ

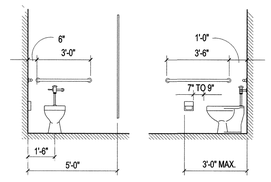
DRAWN BY
DC, APZ

SHEET TITLE
DETAILS

SHEET NUMBER
A4.3

STATE OF NEW MEXICO
DON HOWARD MAY
NO. 2733
17 Nov 03
REGISTERED ARCHITECT

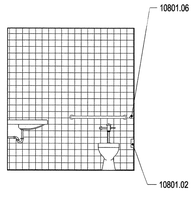




1 FIXTURE HEIGHTS

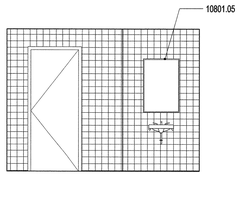
Scale: 1/4"=1'-0"

0 2' 4' 8'



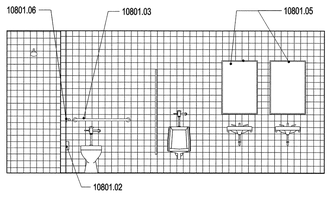
2 INTERIOR ELEVATION

Scale: 1/4"=1'-0" 0 2' 4' 8'



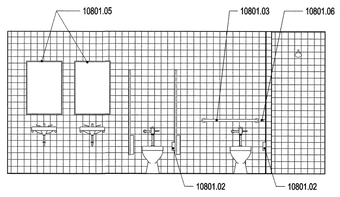
3 INTERIOR ELEVATION

Scale: 1/4"=1'-0" 0 2' 4' 8'



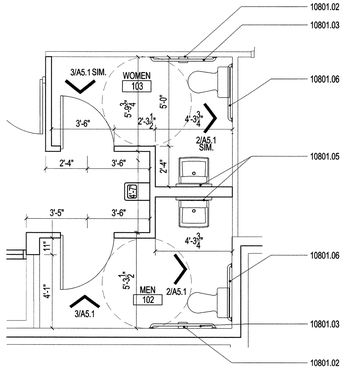
4 INTERIOR ELEVATION

Scale: 1/4"=1'-0" 0 2' 4' 8'



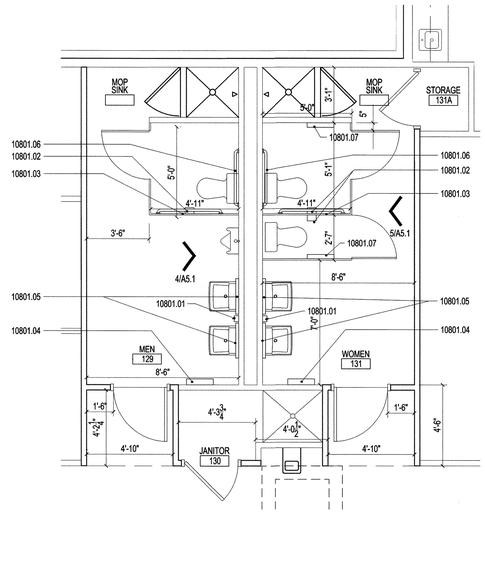
5 INTERIOR ELEVATION

Scale: 1/4"=1'-0" 0 2' 4' 8'



7 ENLARGED FLOOR PLAN

Scale: 1/4"=1'-0" 0 2' 4' 8'



6 ENLARGED FLOOR PLAN

Scale: 1/4"=1'-0" 0 2' 4' 8'

ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES

1. REINSTALL SALVAGED TOILET ACCESSORIES WHERE DIRECTED.

DIVISION 10 - SPECIALTIES

10801.01	NEW SOAP DISPENSER.
10801.02	NEW TOILET PAPER DISPENSER.
10801.03	NEW 42" GRAB BAR.
10801.04	NEW CONBINATION DISPENSER/RECEPTACLE.
10801.05	NEW FRAMED MIRROR UNIT.
10801.06	NEW 36" GRAB BAR.
10801.07	NEW FEMININE NAPKING RECEPTACLE.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ENLARGED PLANS AND INTERIOR ELEVATIONS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 6759.01 | Zone Map No. F-19-Z | Sheet Of **

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	10/14/03	PLAN CHECK CORRECTIONS	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

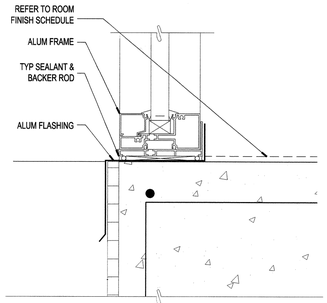
8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE: AS NOTED
RMKMa PROJECT NO.: 0207B
DRAWING FILE NO.: 0207B-NE-A5.1
DATE: SEPTEMBER, 2003
PROJECT MANAGER: DANIEL CHAVEZ
DRAWN BY: DC, APZ

SHEET TITLE
ENLARGED PLANS & INTERIOR ELEVATIONS

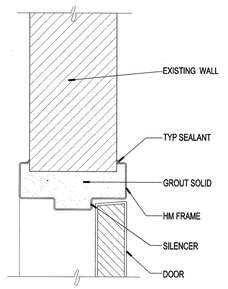
SHEET NUMBER
A5.1

STATE OF NEW MEXICO
JOHN EDWARD MAY
NO. 2733
17 NOV 03
REGISTERED ARCHITECT



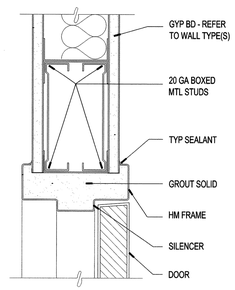
7 SILL

Scale: 3" = 1'-0" 0 3" 6" 9"



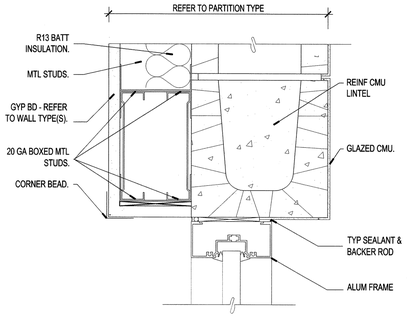
4 HEAD

Scale: 3" = 1'-0" 0 3" 6" 9"



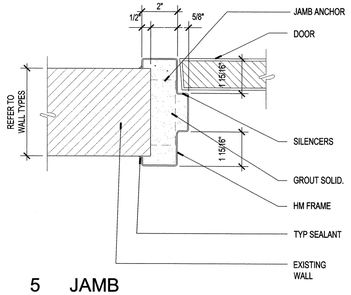
1 HEAD

Scale: 3" = 1'-0" 0 3" 6"



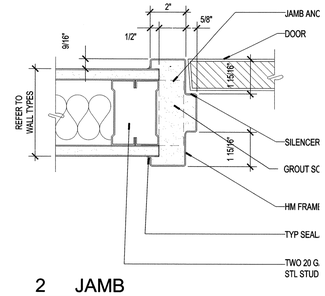
8 HEAD/JAMB SIM. SILL SIM.

Scale: 3" = 1'-0" 0 3" 6" 9"



5 JAMB

Scale: 3" = 1'-0" 0 3" 6" 9"



2 JAMB

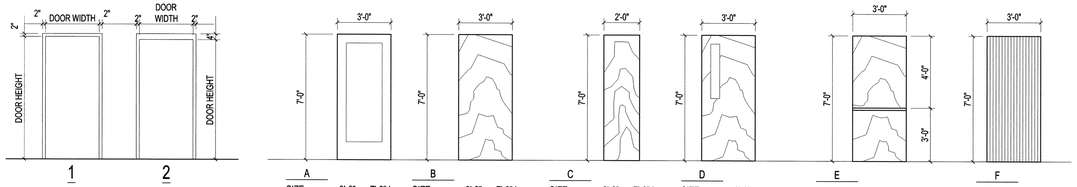
Scale: 3" = 1'-0"

6 NOT USED.

Scale: 3" = 1'-0" 0 3" 6" 9"

3 NOT USED.

Scale: 3" = 1'-0" 0 3" 6"

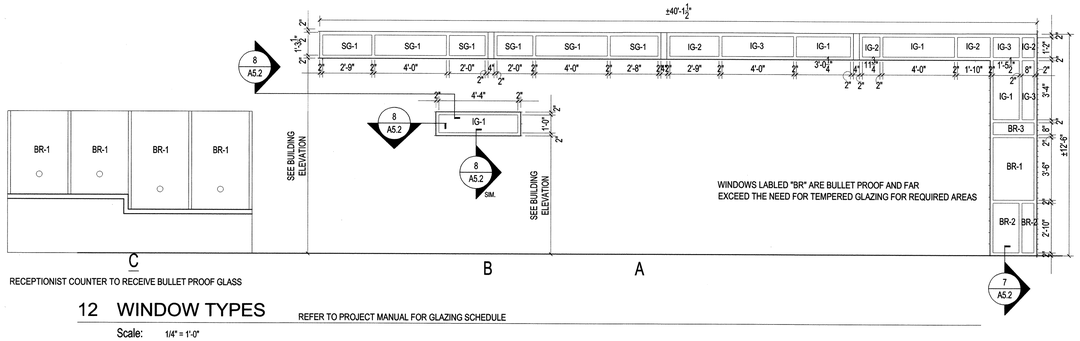


10 DOOR FRAMES

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

11 DOOR TYPES

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



12 WINDOW TYPES

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

REFER TO PROJECT MANUAL FOR GLAZING SCHEDULE

HW SET: A
DOOR NUMBER:
100-A

EACH TO HAVE:
1 EA MORTISE I/C CYLINDER 20-766 PRIMUS 613 SCH
2 EA SURFACE CLOSER 1371 690 LCN
ALL OTHER HARDWARE EXISTING

HW SET:B
DOOR NUMBER:
101-A

EACH TO HAVE:
2 EA SURFACE CLOSER 1371 690 LCN
ALL OTHER HARDWARE EXISTING

HW SET:C
DOOR NUMBER:
101-B

EACH TO HAVE:
3 EA HINGE 5BB1HW 4.5 X 4.5 652 IVE
1 EA STOREROOM LOCK D80PD RHO 20-750 PRIMUS 14-019 10-013 626 SCH
1 EA ELECTRIC STRIKE 6211 FSE 630 VON
1 EA SURFACE CLOSER 4011 X TB 689 LCN
1 EA KICK PLATE 8400 .050 10" X 2" LDW 630 IVE
1 EA WALL BUMPER WS406CVX 630 IVE
3 EA SILENCER SR64 GRY IVE

HW SET:D
DOOR NUMBER:
102-A 103-A

EACH TO HAVE:
3 EA HINGE 5BB1 4.5 X 4.5 652 IVE
1 EA PRIVACY LOCK D40S RHO 14-001 10-013 626 SCH
1 EA SURFACE CLOSER 4011 X TB 689 LCN
1 EA KICK PLATE 8400 .050 10" X 2" LDW 630 IVE
1 EA WALL BUMPER WS406CCV 630 IVE
3 EA SILENCER SR64 GRY IVE

HW SET:E
DOOR NUMBER:
104-A 124-A 131A-A 136-B

EACH TO HAVE:
1 EA STOREROOM LOCK D80PD RHO 20-750 PRIMUS 14-019 10-013 626 SCH
ALL OTHER HARDWARE EXISTING

HW SET:F
DOOR NUMBER:
104-B 105-A

EACH TO HAVE:
1 EA CLASSROOM LOCK D70PD RHO 20-750 PRIMUS 14-019 10-013 626 SCH
ALL OTHER HARDWARE EXISTING

HW SET:G
DOOR NUMBER:
108-A 109-A 110-A 111-A 113-A 115-A
116-A 116-B 119-A 120-A 121-A 123-A
126-A 128-A 137A

EACH TO HAVE:
1 EA ENTRANCE LOCK D53PD RHO 20-750 PRIMUS 14-019 10-013 626 SCH
ALL OTHER HARDWARE EXISTING

ALL OTHER HARDWARE EXISTING

HW SET:H
DOOR NUMBER:
132-A 139-A 140-A 141-A

EACH TO HAVE:
3 EA HINGE 5BB1 4.5 X 4.5 652 IVE
1 EA ENTRANCE LOCK D53PD RHO 20-750 PRIMUS 14-019 10-013 626 SCH
1 EA WALL BUMPER WS406CVX 630 IVE
3 EA SILENCER SR64 GRY IVE

HW SET:J
DOOR NUMBER:
125-A 125-B 125-C

EACH TO HAVE:
3 EA HINGE 5BB1HW 4.5 X 4.5 NRP 652 IVE
1 EA EXIT DEVICE 886, 894L 626 VON
1 EA RIM I/C CYLINDER 20-757 PRIMUS 626 SCH
1 EA SURFACE CLOSER 4111 EDA X TB 689 LCN
1 EA KICK PLATE 8400 .050 10" X 2" LDW 630 IVE
1 EA WALL BUMPER WS406CVX 630 IVE
3 EA SILENCER SR64 GRY IVE

HW SET:K
DOOR NUMBER:
118-A

EACH TO HAVE:
3 EA HINGE 5BB1HW 4.5 X 4.5 NRP 652 IVE
1 EA EXIT DEVICE 9EO 626 VON
1 EA P/B PUTSIDE TRIM PRO863-06 KD 626 LOC
1 EA SURFACE CLOSER 4111 EDA X TB 689 LCN
1 EA KICK PLATE 8400 .050 10" X 2" LDW 630 IVE
1 EA WALL BUMPER WS406CVX 630 IVE
1 EA DOOR SWEEP 315CN X D.W. 628 PEM
1 EA WEATHERSTRIP 303AS X D.S. 628 PEM
ALL OTHER HARDWARE EXISTING

HW SET:L
DOOR NUMBER:
127-A 133-A

EACH TO HAVE:
1 EA PASSAGE LATCH D10S RHO 14-001 10-025 626 SCH
ALL OTHER HARDWARE EXISTING

HW SET:M
DOOR NUMBER:
129-A 131-A

EACH TO HAVE:
3 EA HINGE 5BB1HW 4.5 X 4.5 652 IVE
1 EA PUSH PLATE 8200 4" X 16" 630 IVE
1 EA PULL PLATE 8302 4" X 16" 630 IVE
1 EA SURFACE CLOSER 4111 EDA X TB 689 LCN
1 EA KICK PLATE 8400 .050 10" X 2" LDW 630 IVE
1 EA WALL BUMPER WS406CVX 630 IVE
3 EA SILENCER SR64 GRY IVE

ALL OTHER HARDWARE EXISTING

HW SET:N
DOOR NUMBER:
130-A

EACH TO HAVE:
3 EA HINGE 5BB1 4.5 X 4.5 NRP 652 IVE
1 EA STOREROOM LOCK D80PD RHO 20-750 PRIMUS 14-019 10-013 626 SCH
1 EA SURFACE CLOSER 4111 EDA X TB 689 LCN
1 EA KICK PLATE 8400 .050 10" X 2" LDW 630 IVE
1 EA DOOR HOLDER FS452-4 626 IVE0 A
3 EA SILENCER SR64 GRY IVE

HW SET:P
DOOR NUMBER:
134-A

EACH TO HAVE:
1 EA PASSAGE LATCH D10S RHO 14-001 10-025 626 SCH
1 EA SURFACE CLOSER 4111 EDA X TB 689 LCN
ALL OTHER HARDWARE EXISTING

HW SET:Q
DOOR NUMBER:
135-A

EACH TO HAVE:
1 EA COBRA LOCK MPC - 06 - SLB - MPC-LRP 626 LOC
1 EA CORE C607 626 FAL
1 EA SURFACE CLOSER 4111 EDA X TB 689 LCN
1 EA DOOR SWEEP 315CN X D.W. 628 PEM
1 EA WEATHERSTRIP 303AS X D.S. 628 PEM
ALL OTHER HARDWARE EXISTING

HW SET:R
DOOR NUMBER:
136-A

EACH TO HAVE:
1 EA STOREROOM LOCK D80PD RHO 20-750 PRIMUS 14-042 10-016 626 SCH
1 EA LOCK ASTRAGAL BLP-107 630 DON
1 EA SURFACE CLOSER 4111 EDA X TB 689 LCN
2 EA DOOR SWEEP 315CN X D.W. 628 PEM
1 EA WEATHERSTRIP 303AS X D.S. 628 PEM
ALL OTHER HARDWARE EXISTING

HW SET:S
DOOR NUMBER:
138-A

EACH TO HAVE:
4 EA HINGE 5BB1 4.5 X 4.5 NRP 652 IVE
1 EA ENTRANCE LOCK D53PD RHO 20-750 PRIMUS 14-019 10-013 626 SCH
1 EA WALL BUMPER WS406CVX 630 IVE
4 EA SILENCER SR64 GRY IVE

HW SET:T
DOOR NUMBER:
143-A

EACH TO HAVE:
3 EA HINGE 5BB1HW 4.5 X 4.5 NRP 652 IVE
1 EA CLASSROOM LOCK D70PD RHO 20-750 PRIMUS 14-019 10-013 626 SCH
1 EA SURFACE CLOSER 4111 EDA X TB 689 LCN
1 EA KICK PLATE 8400 .050 10" X 2" LDW 630 IVE
1 EA WALL BUMPER WS406CVX 630 IVE
3 EA SILENCER SR64 GRY IVE

ALL OTHER HARDWARE EXISTING

HW SET:U
DOOR NUMBER:
143-B

EACH TO HAVE:
3 EA HINGE 5BB1 4.5 X 4.5 652 IVE
1 EA STOREROOM LOCK D80PD RHO 20-750 PRIMUS 14-019 10-013 626 SCH
1 EA SURFACE CLOSER 4011 X TB 689 LCN
1 EA KICK PLATE 8400 .050 10" X 2" LDW 630 IVE
1 EA WALL BUMPER WS406CVX 630 IVE
1 EA THRESHOLD 171A X D.W. 628 PEM
1 EA DOOR BOTTOM 216AV X D.W. 628 PEM
1 EA WEATHERSTRIP 303AS X D.S. 628 PEM

HW SET:V
DOOR NUMBER:
A142-A

EACH TO HAVE:
3 EA HINGE 5BB1 4.5 X 4.5 NRP 652 IVE
1 EA CLASSROOM LOCK D70PD RHO 20-750 PRIMUS 14-019 10-013 626 SCH
1 EA WALL BUMPER WS406CVX 630 IVE
3 EA SILENCER SR64 GRY IVE

HW SET:W
DOOR NUMBER:
112-A

EACH TO HAVE:
1 EA MORTISE I/C CYLINDER 20-766 PRIMUS 613 SCH
1 EA SURFACE CLOSER 1371 690 LCN
ALL OTHER HARDWARE EXISTING

9 DOOR SCHEDULE

Scale: 1/8"=1'-0" 0 4" 8" 16"

* DENOTES EXISTING DOOR

DOOR SCHEDULE

	DOOR NUMBER	ROOM NAME	DOOR SIZE	DOOR MATERIAL	HARDWARE SET	DOOR TYPE	DOOR HEAD	DOOR JAMB	DOOR REMARKS
1	100-A	ENTRY VESTIBULE	PAIR 3'X7'	ALUM.	A	*	-	-	MODIFY EXISTING DOOR.
2	101-A	LOBBY	PAIR 3'X7'	ALUM.	B	*	-	-	MODIFY EXISTING DOOR.
3	101-B	LOBBY	3'X7'	SCWD	C	B			NEW DOOR.
4	102-A	MEN RR	3'X7'	SCWD	D	*	1/A5.2	2/A5.2	RELOCATED DOOR.
5	103-A	WOMEN RR	3'X7'	SCWD	D	*	1/A5.2	2/A5.2	RELOCATED DOOR.
6	104-A	COPY-FAX	3'X7'	SCWD	E	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
7	104-B	COPY-FAX	3'X7'	SCWD	F	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
8	105-A	STORAGE/SUPPLY	3'X7'	SCWD	F	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
9	108-A	LIEUTENANT	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
10	109-A	WATCH COMMANDER	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
11	110-A	SERGEANT	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
12	111-A	SERGEANT	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
13	112-A	PROBATION OFFICER	3'X7'	SCWD	W	*			MODIFY EXISTING DOOR.
14	113-A	AREA COMMANDER	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
15	115-A	STAFF CONFERENCE	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
16	116-A	DETECTIVES WORK AREA	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
17	116-B	DETECTIVES WORK AREA	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
18	118-A	HALLWAY	3'X7'	SCWD	K	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
19	119-A	SERGEANT	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
20	120-A	SERGEANT	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
21	121-A	LIEUTENANT	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
22	123-A	LIEUTENANT	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
23	124-A	ELECT/TELE	3'X7'	SCWD	E	*			MODIFY EXISTING DOOR.
24	125-A	EXERCISE	3'X7'	SCWD	J	*	1/A5.2	2/A5.2	RELOCATED DOOR.
25	125-B	EXERCISE	3'X7'	SCWD	J	*	1/A5.2	2/A5.2	RELOCATED DOOR.
26	125-C	EXERCISE	3'X7'	SCWD	J	*	1/A5.2	2/A5.2	RELOCATED DOOR.
27	126-A	DETECTIVE	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
28	127-A	INTERROGATION	3'X7'	SCWD	L	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
29	128-A	STORAGE	3'X7'	SCWD	G	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
30	129-A	MEN RR	3'X7'	SCWD	M	*	1/A5.2	2/A5.2	RELOCATED DOOR.
31	130-A	JANITOR	3'X7'	SCWD	N	*			MODIFY EXISTING DOOR.
32	131-A	WOMEN RR	3'X7'	SCWD	M	*	1/A5.2	2/A5.2	RELOCATED DOOR.
33	131A-A	STORAGE	3'X7'	SCWD	M	*			RELOCATED DOOR.
34	132-A	VIOLENT CRIMES	3'X7'	SCWD	H	*	1/A5.2	2/A5.2	RELOCATED DOOR.
35	133-A	LOUNGE	3'X7'	SCWD	L	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
36	134-A	HALLWAY	3'X7'	SCWD	P	*	4/A5.2	5/A5.2	MODIFY EXISTING DOOR.
37	135-A	PERSONNEL\ ENTRANCE	3'X7'	SCWD	Q	*			MODIFY EXISTING DOOR.
38	136-A	EVIDENCE HOLDING	PAR 3'X7'	SCWD	R	*			MODIFY EXISTING DOOR.
39	136-B	EVIDENCE HOLDING	3'X7'	SCWD	E	*	1/A5.2	2/A5.2	RELOCATED DOOR.
40	137-A	STORAGE	3'X7'	SCWD	G	*	1/A5.2	2/A5.2	RELOCATED DOOR.
41	138-A	SMALL ARMS	3'X7'	SCWD	S	B	1/A5.2	2/A5.2	NEW DOOR.
42	139-A	SERGEANT	3'X7'	SCWD	H	B			NEW DOOR.
43	140-A	SERGEANT	3'X7'	SCWD	H	B			NEW DOOR.
44	141-A	SERGEANT	3'X7'	SCWD	H	B			NEW DOOR.
45	142-A	STORAGE	3'X7'	SCWD	V	B			NEW DOOR.
46	143-A	OPEN OFFICE	3'X7'	SCWD	T	B	1/A5.2	2/A5.2	NEW DOOR.
47	143-B	OPEN OFFICE	3'X7'	SCWD	U	F			NEW DOOR.

13 HARDWARE SCHEDULE

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

ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

GENERAL NOTES

1. DOOR SCHEDULE AND DOOR TYPES ARE BASED ON EXISTING DOORS. REFER TO THE COLUMN "DOOR REMARKS" ON THE DOOR SCHEDULE FOR THE TYPE OF MODIFICATIONS TO DOORS.
2. REUSE ALL HOLLOW METAL DOOR FRAMES WHEN RELOCATING A DOOR. CONTRACTOR WILL BE RESPONSIBLE FOR SALVAGE, STORAGE, AND PROTECTION OF FRAMES. REPLACE A HOLLOW METAL FRAME WITH A NEW FRAME ONLY IF A CONDITION DEEMS THE DOOR FRAME UNSALVAGEABLE, SUCH AS REVERSAL OF A DOOR SWING.
3. FIELD MEASURE STOREFRONT OPENINGS PRIOR TO INSTALLATION OF STOREFRONT.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DOOR SCHEDULE AND DRAWINGS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
City Project No. 6759.01	Zone Map No. F-19-Z	Sheet	Of **	

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	10/14/03	PLAN CHECK CORRECTIONS	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

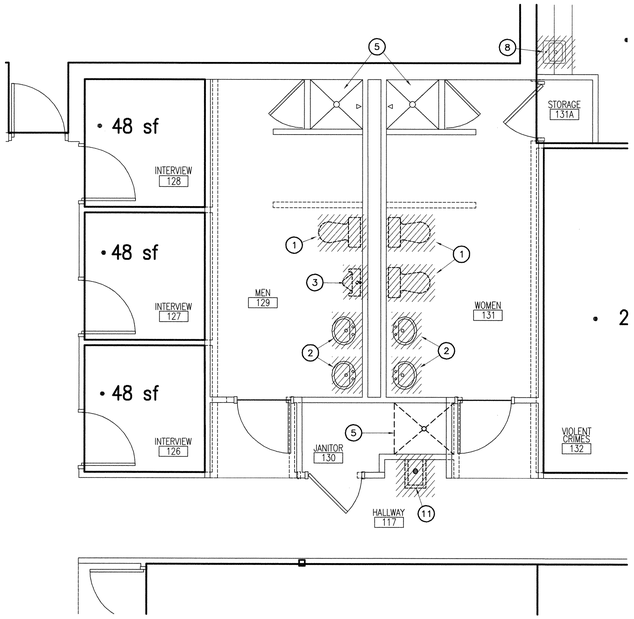
8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE: AS NOTED
RMKMa PROJECT NO.: 0207B
DRAWING FILE NO.: 0207B-NE-A5.2
DATE: SEPTEMBER, 2003
PROJECT MANAGER: DANIEL CHAVEZ
DRAWN BY: DC, APZ

SHEET TITLE
DOOR SCHEDULE & DETAILS

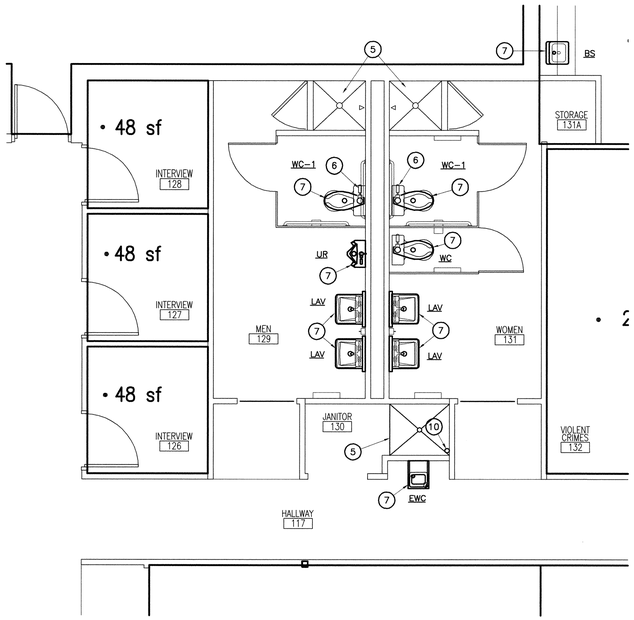
SHEET NUMBER
A5.2

STATE OF NEW MEXICO
DON HOWARD MAY
NO. 2733
17 NOV 03
REGISTERED ARCHITECT



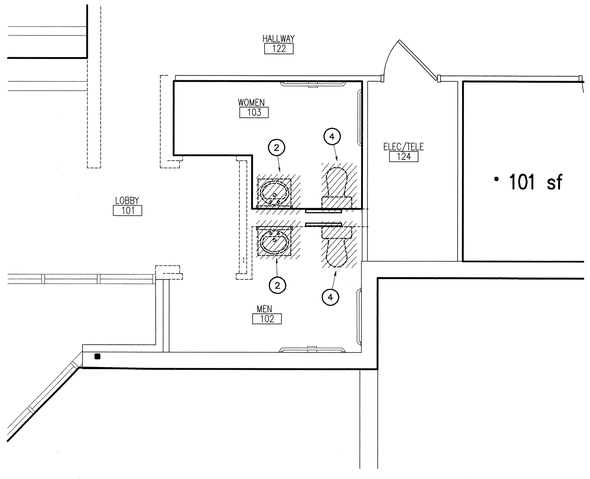
PLUMBING DEMOLITION PLAN - AREA A

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



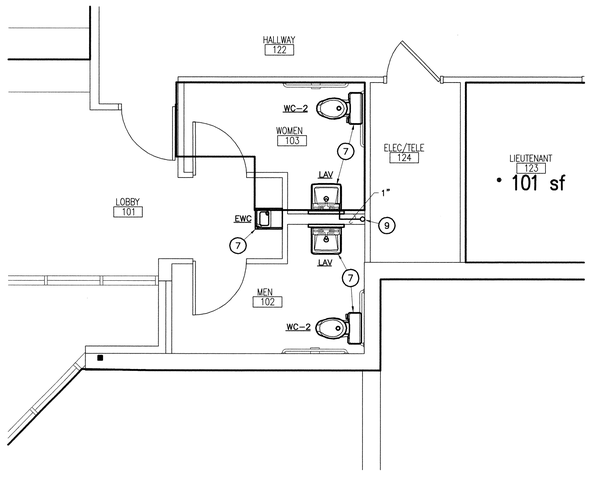
PLUMBING PLAN - AREA A

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



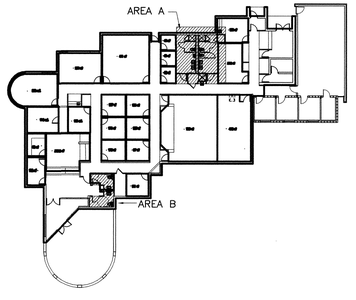
PLUMBING DEMOLITION PLAN - AREA B

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



PLUMBING PLAN - AREA B

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



KEY PLAN

Scale: NONE

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

General Notes

A. THE CONTRACTOR SHALL SAW-CUT EXISTING FLOOR SLAB AND DEMOLISH EXISTING WALL AS REQUIRED TO ACCOMPLISH THE MODIFICATIONS TO THE TOILET FACILITIES. PATCH THE FLOOR AND WALLS, UPON COMPLETION OF THE PLUMBING WORK, TO MATCH SURROUNDING SURFACES.

Keyed Notes

1. REMOVE EXISTING FLOOR MOUNTED FLUSH VALVE WATER CLOSET.
2. REMOVE EXISTING LAVATORY AND ASSOCIATED PIPING.
3. REMOVE EXISTING URINAL.
4. REMOVE EXISTING FLOOR MOUNTED TANK TYPE WATER CLOSET.
5. EXISTING BASIN TO REMAIN IN SERVICE.
6. INSTALL THE FLUSH VALVE HANDLE ON THE "WIDE SIDE" OF THE STALL.
7. INSTALL NEW PLUMBING FIXTURE AT THIS LOCATION. REROUTE EXISTING PIPING AS NECESSARY TO ACCOMPLISH THE CONNECTIONS.
8. REMOVE EXISTING SINK. PIPING TO REMAIN FOR INSTALLATION OF A NEW SINK.
9. DROP THE 1" CONDENSATE DRAIN LINE DOWN IN THE WALL FROM THE ROOF, AND CONNECT TO LAVATORY TAIL PIECE WITH A FLEXIBLE HOSE. SEE MECHANICAL ROOF PLAN, SHEET M1.2 FOR CONTINUATION.
10. DROP THE 1-1/2" CONDENSATE DRAIN LINE DOWN ON THE WALL, FROM THE ROOF, AND TERMINATE LINE 6" ABOVE THE RIM OF THE MOP BASIN. ATTACH PIPING TO WALL WITH UNISTRUT SUPPORTS AT 4 FEET ON CENTER, MAXIMUM. SEE MECHANICAL ROOF PLAN, SHEET M1.2 FOR CONTINUATION.
11. REMOVE EXISTING ELECTRIC WATER COOLER. PIPING TO REMAIN FOR INSTALLATION OF A NEW COOLER.

F.E.I. - Brown Engineering
149 Jackson Street NE
Albuquerque, New Mexico 87108
Phone (505) 265-0900 FAX (505) 265-6774

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of **
6759.01	F-19-Z		

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	10/14/03	—Plan Check Corrections	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation

100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
1/4"-1'-0"

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.
P11

DATE
SEPTEMBER, 2003

PROJECT MANAGER
DANIEL CHAVEZ

DRAWN BY
FD

SHEET TITLE
PLUMBING DEMOLITION PLAN
AND NEW PARTIAL PLUMBING PLANS

SHEET NUMBER

P1.1

CHARLES E. BROWN NEW MEXICO 7020 REGISTERED PROFESSIONAL ENGINEER
8/18/03

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

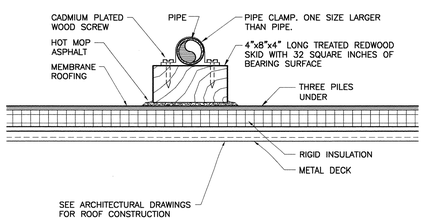
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

SYMBOLS LEGEND

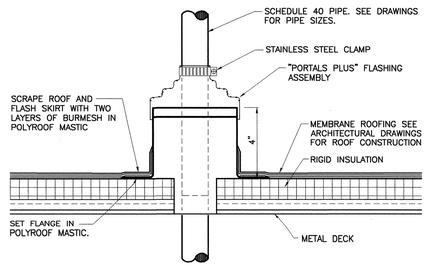
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
—— – ——	COLD WATER LINE		SPLITTER DAMPER
—— – – ——	HOT WATER LINE		BALANCING DAMPER
—— – – – ——	RECIRCULATING HOT WATER	DUCT UNIT	FLEX CONNECTION
—— G ——	GAS LINE		ACOUSTIC LINING
—— G ——	GAS LINE (EXISTING)		FLEXIBLE DUCTWORK (MAX. 5')
—— FP ——	FIRE PROTECTION LINE		SUPPLY DUCT, SECTION
—— S ——	SOIL LINE		RETURN OR EXHAUST DUCT, SECTION
—— S ——	SOIL LINE (EXISTING)		TURNING VANES
--------	VENT PIPING		LAY-IN TEE-BAR SUPPLY GRILLE
—— D ——	DRAIN LINE		LAY-IN TEE-BAR RETURN OR EXHAUST GRILLE
or	EXISTING CONSTRUCTION		SURFACE MOUNTED SUPPLY GRILLE
	NEW CONSTRUCTION		SURFACE MOUNTED RETURN OR EXHAUST GRILLE
//////////	ITEMS TO BE REMOVED	T	ELECTRIC THERMOSTAT
VTR	VENT THRU ROOF	VAV	VARIABLE VOLUME/VARIABLE TEMPERATURE BOX
OSA	OUTSIDE AIR		BALL VALVE
CFM	CUBIC FEET PER MINUTE		UNION
ESP	EXTERNAL STATIC PRESSURE		BALANCING OR PLUG COCK
PSI	POUNDS PER SQUARE INCH		CHECK VALVE
GPM	GALLONS PER MINUTE		RELIEF VALVE
—o—	RISE IN PIPING		FLANGED CONNECTION
—)—	DROP IN PIPING		FLEXIBLE PIPE CONNECTION
—)◀—	VALVE IN RISE OR DROP		GAUGE WITH GAUGE COCK
			THERMOMETER

FIXTURE SCHEDULE

SYMBOL	DESCRIPTION
WC	WATER CLOSET: Floor mounted, flush valve, vitreous china, water saver water closet with elongated bowl and 1-1/2" top spud. American Standard Madera model 2234.015. Furnish with a Zurn Aquaflush Z-6000XL-WS1 flush valve, an open front seat less cover, and bolt caps. Trap ---- Vent 2" CW 1" HW ----
WC-1	WATER CLOSET: ADA Compliant, floor mounted, vitreous china, flush valve, water saver water closet with 17" high elongated bowl and 1-1/2" top spud. American Standard Madera model 3043.102. Furnish with a Zurn Aquaflush Z-6000XL-WS1 flush valve with ADA compliant handle, an open front seat less cover, and bolt caps. Trap ---- Vent 2" CW 1" HW ----
WC-2	WATER CLOSET: Handicapped accessible, floor mounted, vitreous china, tank type, water saver water closet with elongated bowl and close coupled tank. American Standard Cadet II 17" H EL model 2216.170. Furnish with seat and cover, bolt caps, angle stop and riser pipe. Trap ---- Vent 2" CW 1/2" HW ----
UR	URINAL: ADA Compliant, wall hung, vitreous china, flush valve, water saver urinal with a 1-1/4" top spud. American Standard Lynbrook model 6601.012. Furnish with a Zurn Aquaflush Z-6001XL-WS1 flush valve and floor supported carrier. Mounting height is 17" to top of rim. Trap ---- Vent 1-1/2" CW 1" HW ----
LAV	LAVATORY: ADA Compliant, wall hung, concealed arm supported, vitreous china, lavatory with "D" shaped bowl, splash sides and 4" centerset faucet holes. American Standard Lucerne model 0355.012. Furnish with Heritage model 5402.172V centerset faucet with wrist blade handles, grid drain, adjustable P-trap, tail piece, riser tubes, loose key angle stops and floor supported carrier. Note: Insulate exposed piping with Trap Wrap brand insulating system. Trap 1-1/2" Vent 1-1/2" CW 1/2" HW 1/2"
EWC	ELECTRIC WATER COOLER: Wall mounted, barrier free water cooler with self-closing push bars on front and both sides and a refrigeration system capable of cooling 8 gpm of 50°F water with a 1/5 h.p. 120 Volt/1 Phase compressor. Halsey Taylor model HAC-8FS with a stainless steel receptor and a laminated vinyl on steel apron (color selected by Architect). Furnish with adjustable P-trap, loose key angle stop, wall mounting bracket and all required items. Trap 1-1/2" Vent 1-1/2" CW 1/2" HW ----
BS	BAR SINK: ADA Compliant, Single compartment, self-rimming, stainless steel sink constructed of seamless drawn type 302 stainless steel. Elkay Lustertone model LRAD-1918 with three 4" centerset faucet holes. Furnish with gooseneck faucet model LK-2432 with concealed mount and chrome plated metal wrist handles, model LK-99 deluxe drains, adjustable P-trap, tail piece, riser pipes, and loose key angle stops. Note: Sink depth shall be 6-1/2". Insulate exposed piping with Trap Wrap brand insulating kit. Trap 1-1/2" Vent 1-1/2" CW 1/2" HW 1/2"



Roof Piping Support Detail — NO SCALE — 1 / P1.1



Pipe Penetration thru Roof Detail — NO SCALE — 2 / P1.1

F.E.I. - Brown Engineering
149 Jackson Street NE
Albuquerque, New Mexico 87108
Phone (505) 265-0900 FAX (505) 265-6774

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 6759.01 | Zone Map No. F-19-Z | Sheet | Of **

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	10/14/03	—Plan Check Corrections	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

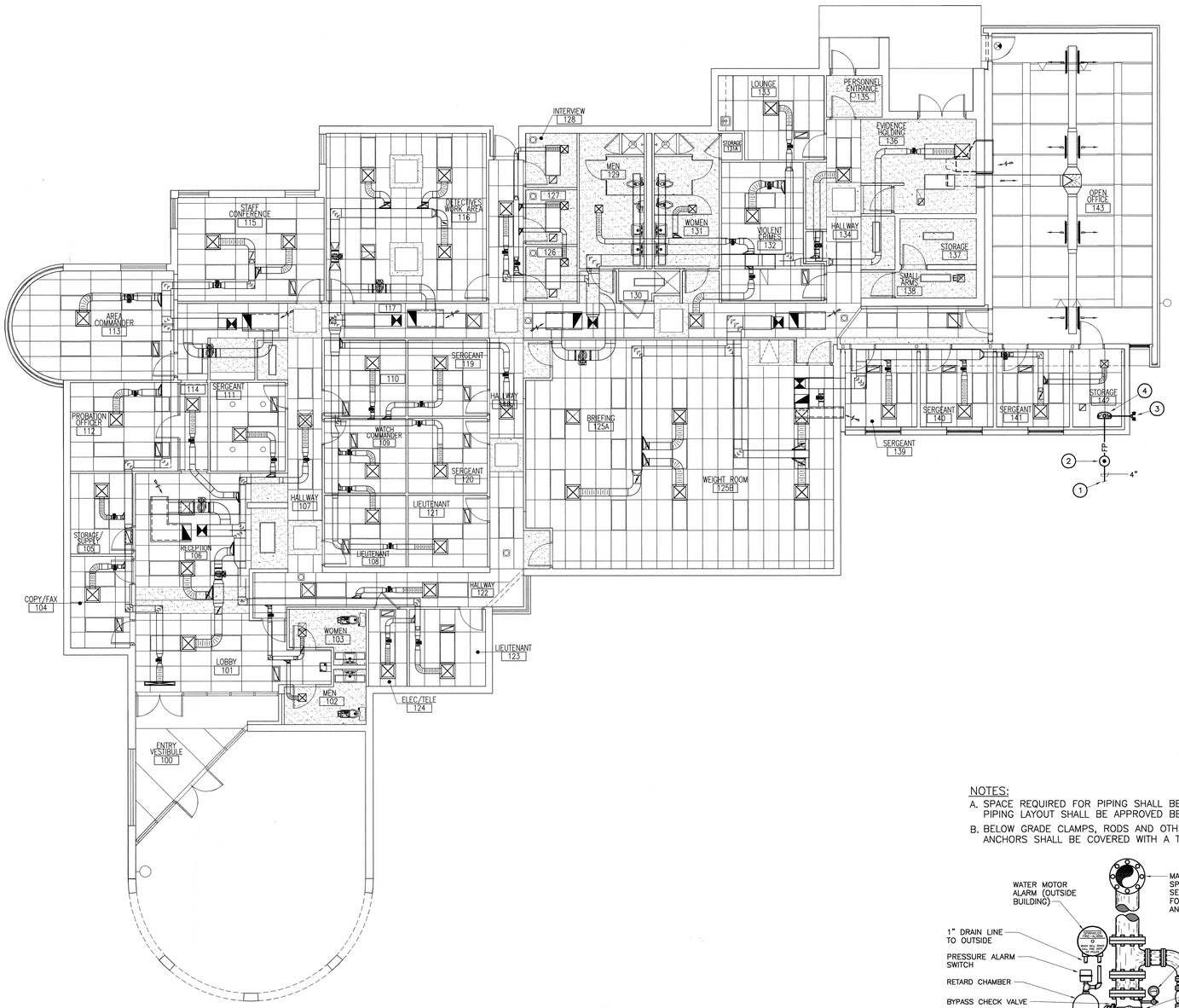
8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE: NONE
RMKMa PROJECT NO.: 0207B
DRAWING FILE NO.: P61
DATE: SEPTEMBER, 2003
PROJECT MANAGER: DANIEL CHAVEZ
DRAWN BY: FD

SHEET TITLE
FIXTURE SCHEDULE,
AND SYMBOLS LEGEND

CHARLES E. BROWN NEW MEXICO 7020 REGISTERED PROFESSIONAL ENGINEER
8/18/03

SHEET NUMBER
P6.1



FIRE PROTECTION PLAN

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

N

General Notes

A. THE FIRE PROTECTION SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 13, UL PUBLICATIONS AND STATE AND LOCAL CODES.

B. THE FIRE PROTECTION CONTRACTOR SHALL HYDRAULICALLY SIZE ALL PIPING BASED ON THE ACTUAL STATIC AND RESIDUAL PRESSURES AVAILABLE AT THE SITE (50 PSIG STATIC, 1,700 GPM, 20 PSIG RESIDUAL).

C. THIS DRAWING FILE, PRODUCED USING AUTOCAD RELEASE 2002, WILL BE PROVIDED TO THE CONTRACTOR FOR HIS PREPARATION OF SHOP DRAWINGS AND "AS-BUILT" DRAWINGS.

D. PROVIDE A WET PIPE SPRINKLER SYSTEM. DESIGN FOR ORDINARY HAZARD OCCUPANCY COVERAGE IN THE APPARATUS ROOM AND LIGHT HAZARD OCCUPANCY IN THE REMAINDER OF THE BUILDING.

E. INSTALL ALL HORIZONTAL PIPING AS HIGH AS POSSIBLE. PIPING IN EXPOSED AREAS SHALL BE COMPOSED WITH OTHER MECHANICAL AND ELECTRICAL SYSTEMS TO ENSURE AN AESTHETICALLY ACCEPTABLE PIPING ARRANGEMENT IN ADDITION TO PROPER COVERAGE. THE A/E RESERVES THE RIGHT TO CHANGE THE PIPE ROUTING DURING THE SUBMITTAL PROCESS.

F. THE FIRE PROTECTION SYSTEM CONTRACTOR SHALL COORDINATE EXACT HEAD LOCATIONS WITH THE ARCHITECTURAL CONDITIONS INCLUDING, BUT NOT LIMITED TO, CENTERING THE SPRINKLER HEADS IN ALL CEILING PANELS.

G. CONTRACTOR SHALL SUBMIT SHOP DRAWING AND GET APPROVAL OF THE FIRE MARSHALL OR AUTHORITY HAVING JURISDICTION, AND THE ENGINEER PRIOR TO COMMENCING WORK.

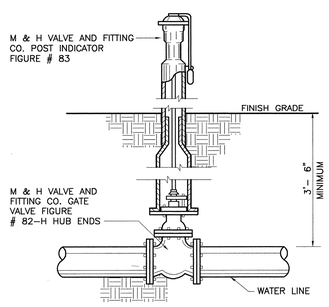
Keyed Notes

(1) RUN THE 4" LINE TO THE EXISTING CITY MAIN.

(2) INSTALL THE POST INDICATOR VALVE PER DETAIL 1/FP1.1.

(3) FIRE DEPARTMENT SIAMESE CONNECTION.

(4) WET PIPE RISER, SEE DETAIL 2 THIS SHEET.

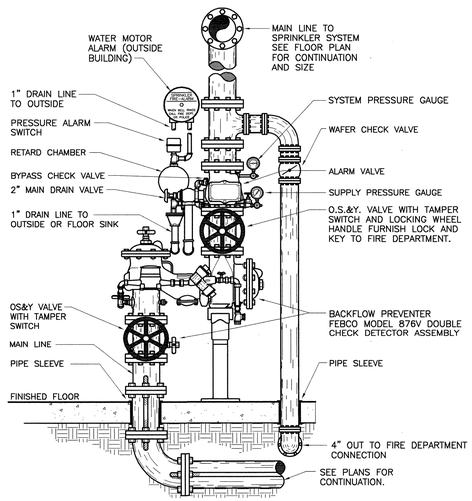


Post Indicator Valve — SCALE: NONE — 1 / FP1.1

NOTES:

A. SPACE REQUIRED FOR PIPING SHALL BE KEPT TO A MINIMUM. PIPING LAYOUT SHALL BE APPROVED BEFORE WORK COMMENCES.

B. BELOW GRADE CLAMPS, RODS AND OTHER STEEL FITTINGS AT ANCHORS SHALL BE COVERED WITH A THICK COATING OF ASPHALT.



Wet Pipe Fire Riser Detail — SCALE: SCALE: NONE — 2 / FP1.1

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

F.E.I. - Brown Engineering
149 Jackson Street NE
Albuquerque, New Mexico 87108
Phone (505) 265-0900 FAX (505) 265-6774

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
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City Project No.	Zone Map No.	Sheet	Of **
6759.01	F-19-Z		

ISSUES & REVISIONS

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PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE 1/8"-1'-0"

RMKMa PROJECT NO. 0207B

DRAWING FILE NO. FP11

DATE SEPTEMBER, 2003

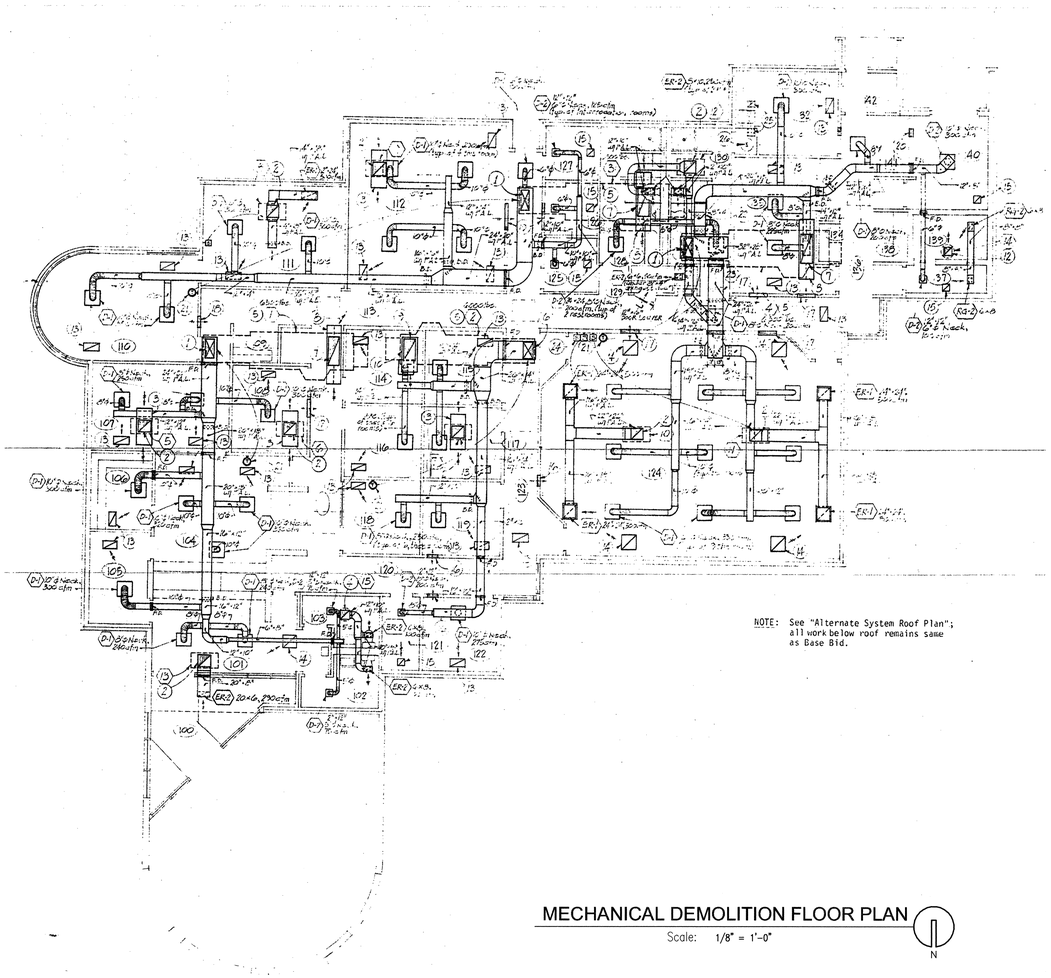
PROJECT MANAGER DANIEL CHAVEZ

DRAWN BY FD

SHEET TITLE
FIRE PROTECTION PLAN

CHARLES E. BROWN NEW MEXICO 7020 REGISTERED PROFESSIONAL ENGINEER
8/18/03

SHEET NUMBER
FP1.1



NOTE: See "Alternate System Roof Plan"; all work below roof remains same as Base Bid.

MECHANICAL DEMOLITION FLOOR PLAN

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

N

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

General Notes

A. THE CONTRACTOR IS TO REMOVE THE FOUR ROOF TOP MOUNTED MULTI-STAGE EVAPORATIVE COOLING/GAS-FIRED HEATING UNITS COMPLETE WITH ALL ASSOCIATED SUPPORTS, DUCTWORK, CONTROLS, WATER PIPING AND GAS PIPING. THE CONTRACTOR SHALL ALSO REMOVE ALL BUILDING RELIEF HOODS, EXHAUST FANS MADE OBSOLETE BY THE NEW CONSTRUCTION, ALL OF THE DUCTWORK, DUCT SUPPORTS, DIFFUSERS, GRILLES, ETC. THE MAIN TOILET EXHAUST FAN AND DUCTWORK SHALL REMAIN IN SERVICE.

B. ALL DEMOLITION MATERIALS SHALL BE DISPOSED OF BY THE CONTRACTOR.

C. THE CONTRACTOR SHALL PATCH ALL ROOF OPENINGS WITH METAL ROOF DECKING, INSULATION, AND MATERIALS TO MATCH SURROUNDING AREA, AS APPROVED BY THE ARCHITECT (CAPPING EXISTING CURBS IS NOT ACCEPTABLE).

D. THE CONTRACTOR SHALL REMOVE ALL GAS AND WATER PIPING ON THE ROOF, INCLUDING SUPPORTS, ASSOCIATED WITH THE ROOF TOP EQUIPMENT.

F.E.I. - Brown Engineering
149 Jackson Street NE
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PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
NONE

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.
MD11

DATE
SEPTEMBER, 2003

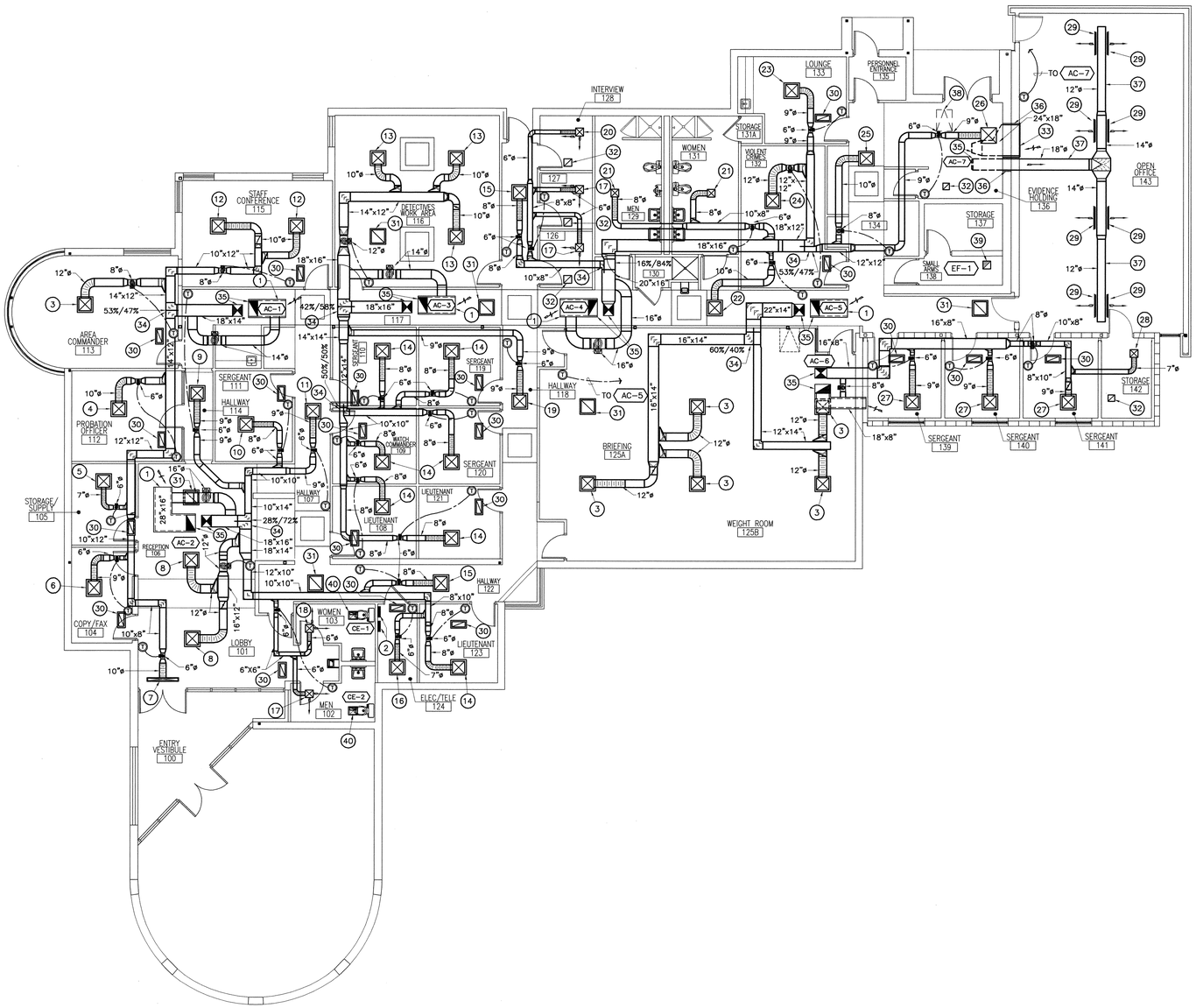
PROJECT MANAGER
DANIEL CHAVEZ

DRAWN BY
FD

SHEET TITLE
MECHANICAL DEMOLITION FLOOR PLAN

SHEET NUMBER
MD1.1

CHARLES E. BROWN
NEW MEXICO
7020
REGISTERED PROFESSIONAL ENGINEER
8/18/03



MECHANICAL FLOOR PLAN

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

Keyed Notes

1. 28"x16" RETURN AIR BOOT WITH 1" ACOUSTICAL LINING.
2. LOCATE THE FIVE (5) CENTRAL CONTROL PANELS (CCP) AND THE BUILDING CONTROL UNIT (BCU) ON THE WALL.
3. D-1 420 CFM, 12"x12" NECK, 4-WAY THROW.
4. D-1 270 CFM, 9"x9" NECK, 4-WAY THROW.
5. D-1 90 CFM, 6"x6" NECK, 3-WAY THROW.
6. D-1 190 CFM, 6"x6" NECK, 3-WAY THROW.
7. LD-1 270 CFM, 48"x3-1/2" NECK.
8. D-1 500 CFM, 12"x12" NECK, 4-WAY THROW.
9. D-1 200 CFM, 6"x6" NECK, 2-WAY THROW.
10. D-1 160 CFM, 6"x6" NECK, 4-WAY THROW.
11. D-1 220 CFM, 9"x9" NECK, 2-WAY THROW.
12. D-1 250 CFM, 9"x9" NECK, 4-WAY THROW.
13. D-1 275 CFM, 9"x9" NECK, 4-WAY THROW.
14. D-1 150 CFM, 6"x6" NECK, 4-WAY THROW.
15. D-1 150 CFM, 6"x6" NECK, 2-WAY THROW.
16. D-1 100 CFM, 6"x6" NECK, 3-WAY THROW.
17. D-2 60 CFM, 6"x6" NECK, 2-WAY THROW.
18. D-2 50 CFM, 6"x6" NECK, 2-WAY THROW.
19. D-1 225 CFM, 9"x9" NECK, 2-WAY THROW.
20. D-2 70 CFM, 6"x6" NECK, 2-WAY THROW.
21. D-2 150 CFM, 6"x6" NECK, 4-WAY THROW.
22. D-1 280 CFM, 9"x9" NECK, 2-WAY THROW.
23. D-1 230 CFM, 9"x9" NECK, 4-WAY THROW.
24. D-1 375 CFM, 12"x12" NECK, 4-WAY THROW.
25. D-1 325 CFM, 9"x6" NECK, 2-WAY THROW.
26. D-2 220 CFM, 9"x9" NECK, 3-WAY THROW.
27. D-1 200 CFM, 9"x9" NECK, 3-WAY THROW.
28. D-2 100 CFM, 6"x6" NECK, 2-WAY THROW.
29. SR-1 200 CFM, 14"x4" NECK. INSTALL PER DETAIL 8/M5.1.
30. RG-1 22"x10" NECK.
31. RG-1 22"x22" NECK.
32. RG-2 10"x10" NECK.
33. RG-3 48"x18" NECK.
34. INSTALL THE INDICATED SIZE OF SPLITTER COMPLETE WITH TURNING VANES.
35. SEE THE MECHANICAL ROOF PLAN, SHEET M1.2, FOR CONTINUATION.
36. RUN THE DUCT THRU THE WALL, ABOVE THE LOWER ROOF, IN A SLEEVE. SEAL AROUND THE DUCT AND THE SLEEVE. INSTALL SHEET METAL FLASHING ABOVE THE DUCT AT THE WALL PENETRATION.
37. SUPPORT THE DUCTWORK PER DETAIL 2/M5.1, TYPICAL.
38. INSTALL AN 18"x18" ACCESS DOOR IN THE CEILING AT THIS LOCATION.
39. RG-3 200 CFM, 12"x12" NECK. RUN A 12"x12" DUCT UP FROM THE EXHAUST GRILLE TO THE ROOF MOUNTED FAN. SEE SHEET M1.2 FOR CONTINUATION.
40. 10"x6" EXHAUST DUCT UP FROM THE CEILING EXHAUSTER, THRU THE ROOF. SEE SHEET M1.2 FOR CONTINUATION.

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

General Notes

A. FIELD VERIFY THAT THERE IS A RETURN AIR PATH BACK TO THE AIR CONDITIONING UNITS. PROVIDE WALL PENETRATIONS, ABOVE THE CEILING, WHERE NECESSARY.

B. FIELD VERIFY THAT NOTED DUCT SIZES WILL FIT IN THE ALLOTTED SPACE, PRIOR TO FABRICATION OF THE DUCTWORK.

C. INSTALL DUCT TAKE-OFFS PER DETAIL 1/M5.1. TAKE-OFFS TO VAV BOXES SHALL EXCLUDE THE BALANCING DAMPER.

D. INSTALL DIFFUSERS PER DETAIL 3/M5.1.

E. INSTALL RETURN AIR GRILLES PER DETAIL 4/M5.1.

F. SEE SHEET M5.1 FOR ADDITIONAL INFORMATION ABOUT THE CONTROL SYSTEMS.

F.E.I. - Brown Engineering
149 Jackson Street NE
Albuquerque, New Mexico 87108
Phone (505) 265-0900 FAX (505) 265-6774

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City Project No. 6759.01 | Zone Map No. F-19-Z | Sheet Of **

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Memorial Substation
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8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE 1/8"-1'-0"

RMKMe PROJECT NO. 0207B

DRAWING FILE NO. M11

DATE SEPTEMBER, 2003

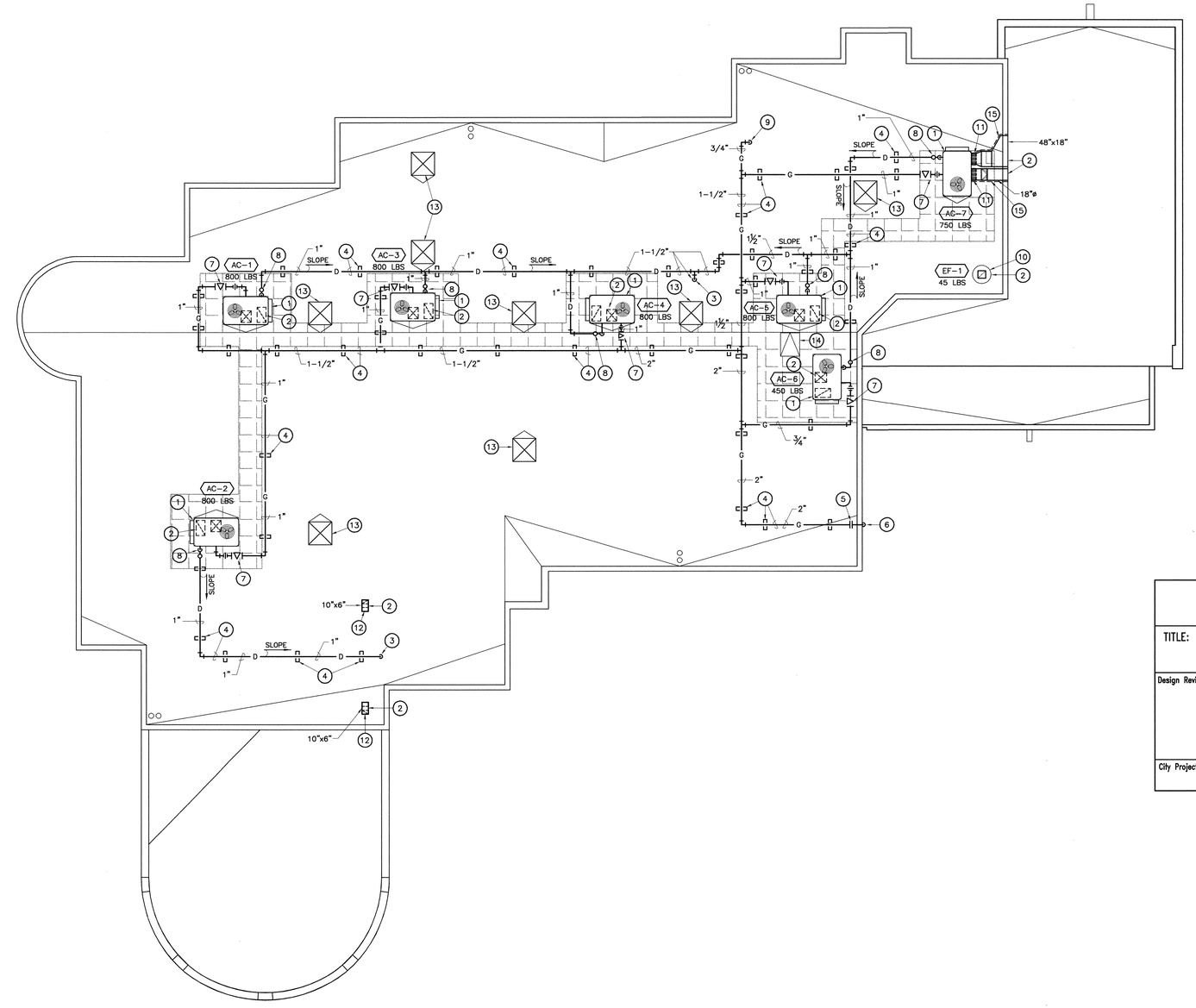
PROJECT MANAGER DANIEL CHAVEZ

DRAWN BY FD

SHEET TITLE
MECHANICAL FLOOR PLAN

SHEET NUMBER
M1.1

CHARLES E. BROWN NEW MEXICO 7020 REGISTERED PROFESSIONAL ENGINEER
8/18/03



MECHANICAL ROOF PLAN

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

N

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ARCHITECTURE

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Keyed Notes

1. INSTALL A/C UNIT ON ROOF CURB PER DETAIL 5/M5.1.
2. SEE MECHANICAL FLOOR PLAN, SHEET M1.1 FOR CONTINUATION.
3. DROP THE CONDENSATE DRAIN LINE DOWN THRU THE ROOF PER DETAIL 2/P6.1. SEE PLUMBING FLOOR PLANS, SHEET P1.1 FOR CONTINUATION.
4. SUPPORT THE PIPING ON THE ROOF PER DETAIL 1/P6.1, TYPICAL. SUPPORTS SHALL BE AT 10 FEET ON CENTER, MAXIMUM.
5. CONNECT NEW GAS LINE TO EXISTING GAS LINE AT THIS LOCATION.
6. EXISTING GAS LINE TO REMAIN. FIELD VERIFY EXACT LOCATION.
7. CONNECT GAS LINE TO UNIT WITH A GAS COCK AND UNION.
8. INSTALL A CONDENSATE TRAP PER DETAIL 9/M5.1.
9. DROP THE GAS LINE THRU THE ROOF PER DETAIL 2/P61. AND CONNECT LINE TO EXISTING WATER HEATER. FIELD VERIFY EXACT LOCATION.
10. INSTALL THE EXHAUST FAN ON ROOF CURB PER DETAIL 7/M5.1.
11. CONNECT DUCT TO UNIT WITH A FLEX CONNECTOR AND SUN SHIELD.
12. INSTALL THE GOOSENECK ON THE ROOF PER DETAIL 6/M5.1.
13. EXISTING SKYLIGHT.
14. NEW ROOF HATCH, SEE ARCHITECTURAL DRAWINGS.
15. INSULATE EXPOSED DUCTWORK PER SPECIFICATIONS.

F.E.I. - Brown Engineering
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John Arthur Carrillo- "Northeast"
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8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE 1/8"-1'-0"

RMKMa PROJECT NO. 0207B

DRAWING FILE NO. M12

DATE SEPTEMBER, 2003

PROJECT MANAGER DANIEL CHAVEZ

DRAWN BY FD

SHEET TITLE
MECHANICAL ROOF PLAN

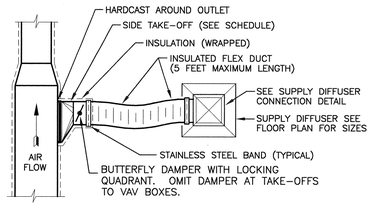
SHEET NUMBER
M1.2

CHARLES E. BROWN NEW MEXICO 7020 REGISTERED PROFESSIONAL ENGINEER
8/18/03

ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

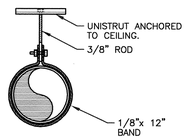
TAKE-OFF SIZE SCHEDULE

SIZE	TAKE-OFF SIZE	SIZE	TAKE-OFF SIZE
6"Ø	43" Sq. in. Min.	10"Ø	118" Sq. in. Min.
7"Ø	58" Sq. in. Min.	12"Ø	170" Sq. in. Min.
8"Ø	76" Sq. in. Min.	14"Ø	230" Sq. in. Min.
9"Ø	95" Sq. in. Min.		



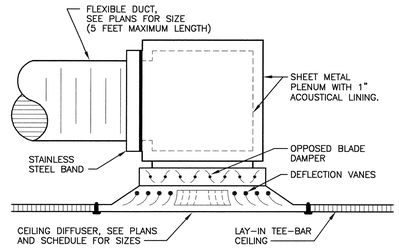
DUCT TAKE-OFF DETAIL
SCALE: NONE — 1 / M1.1

NOTE:
HANGERS MUST NOT DEFORM DUCT SHAPE.

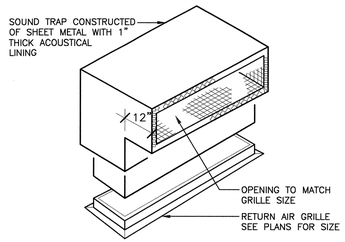


NOTE:
ALL HANGER BANDS SHALL BE THE SAME MATERIAL AS THE DUCTWORK THE BAND IS USED ON.

HANGERS FOR ROUND DUCTWORK
SCALE: NONE — 2 / M1.1

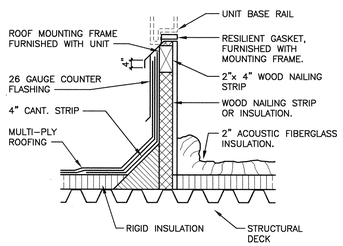


SUPPLY DIFFUSER CONNECTION
SCALE: NONE — 3 / M1.1

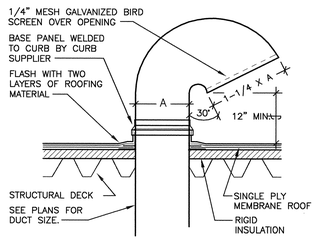


SOUND TRAP DETAIL
SCALE: NONE — 4 / M1.1

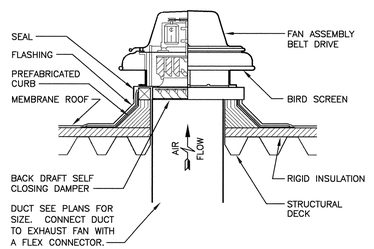
NOTE:
IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO INSURE THE UNIT IS INSTALLED LEVEL ON MOUNTING FRAME.



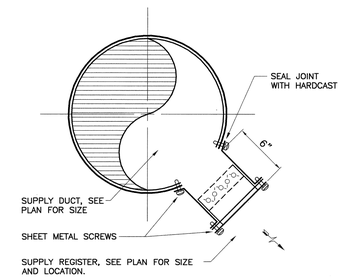
MOUNTING FRAME DETAIL
SCALE: NONE — 5 / M1.2



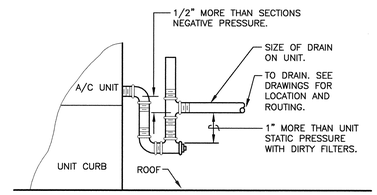
GOOSENECK DETAIL
SCALE: NONE — 6 / M1.2



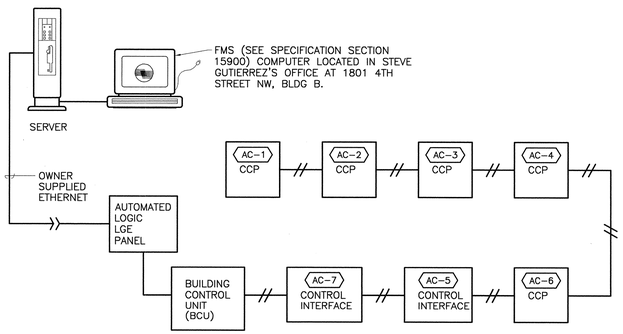
BELT DRIVE ROOF MOUNTED EXHAUST FAN
SCALE: NONE — 7 / M1.2



SUPPLY REGISTER
SCALE: NONE — 8 / M1.1

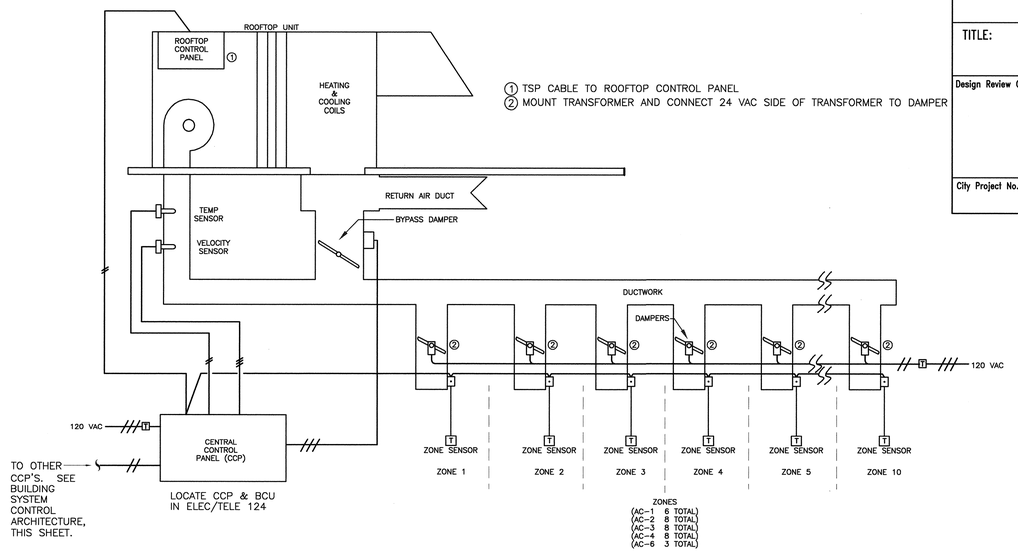


CONDENSATE TRAP
SCALE: NONE — 9 / M1.2



NOTES:
1. CONTRACTOR TO MAKE CONNECTIONS BETWEEN THE BCU AND THE OWNER'S LAN SYSTEM.
2. THE BCU SHALL INCLUDE THE BAC NET TRANSLATOR. PROGRAMMING AND POINTS TO BE FURNISHED BY THIS CONTRACTOR.

BUILDING SYSTEM CONTROL ARCHITECTURE
SCALE: NONE



① TSP CABLE TO ROOFTOP CONTROL PANEL
② MOUNT TRANSFORMER AND CONNECT 24 VAC SIDE OF TRANSFORMER TO DAMPER

NOTE: CONTROL SYSTEM IS BASED ON TRANE'S VARIABLE VOLUME/VARIABLE TEMPERATURE SYSTEM.

A/C UNIT CONTROL DIAGRAM FOR AC-1 THRU AC-4 AND AC-6
SCALE: NONE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of **
6759.01	F-19-Z		

ISSUES & REVISIONS

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1	10/14/03	---Plan Check Corrections	

F.E.I. - Brown Engineering
149 Jackson Street NE
Albuquerque, New Mexico 87108
Phone (505) 265-0900 FAX (505) 265-6774

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation

100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
1/8"-1'-0"

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.
M51

DATE
SEPTEMBER, 2003

PROJECT MANAGER
DANIEL CHAVEZ

DRAWN BY
FD

SHEET TITLE
MECHANICAL DETAILS
AND CONTROL DIAGRAM

CHARLES E. BROWN
NEW MEXICO
7020
REGISTERED PROFESSIONAL ENGINEER
8/18/03

SHEET NUMBER
M5.1

EQUIPMENT SCHEDULE

SYMBOL | **DESCRIPTION**

AC-1 THRU AC-5 AND AC-7

AIR CONDITIONING UNIT: Rooftop mounted high-efficiency, down or horizontal flow (see drawings), gas fired heating/D-X cooling unit with weather-resistant insulated cabinet, tubular heat exchanger, intermittent pilot ignition, redundant gas valve, modular burner section, induced draft combustion, crankcase heater, low pressure cut-out, high pressure switch, over current and over temperature protection, filter drier, sight glass, filter rack with 2" thick disposable filters, compressor anti-cycling device, belt driven evaporator fan with alternate motor and drive and integrated economizer with inlet hood and barometric relief. Furnish complete with supply duct, low voltage, smoke detector with required relays for complete fan shut-down on alarm, roof mounting curb, coil hail guard and convenience outlet. Power is 230 Volt/1 Phase. Cooling capacities are sensible cooling at 5,000 feet elevation with a 62°F enter evaporator temperature and a 95° ambient temperature. Heating capacities are rated output at 5,000 feet elevation. Input capacities are at sea level. Model numbers are Trane YHC series.
Note: See Sheet M5.1 for control requirements.

		Output Capacities (MBtuh)		Heating			
Symbol	Model	Cooling	Heating	Input (MBtuh)	CFM	ESP	MCA
AC-1	060A1R	42	82	130	1,740	0.50"	39.5
AC-2	060A1R	42	82	130	2,090	0.50"	39.5
AC-3	060A1R	42	51	80	1,950	0.50"	39.5
AC-4	060A1R	42	51	80	2,070	0.50"	39.5
AC-5	060A1R	42	82	130	2,100	0.50"	39.5
AC-7	048A1R	35	51	80	1,600	0.50"	29.4

AC-6

AIR CONDITIONING UNIT: Rooftop mounted, down flow, gas fired heating/D-X cooling unit with weather-resistant insulated cabinet, four-pass heat exchanger, intermittent pilot ignition, redundant gas valve, mono port burner, induced draft combustion, crankcase heaters, low pressure cut-out, high pressure switch, over current and over temperature protection, filter drier, sight glass, filter rack with 2" thick disposable filters, compressor anti-cycling device, belt driven evaporator fan, and integrated economizer with inlet hood. Furnish complete with roof mounting curb, and coil hail guard. Power is 230 Volt/1 Phase. Cooling capacities are sensible cooling at 5,000 feet elevation with a 62°F entering evaporator temperature and a 95°F ambient temperature. Heating capacities are rated output at 5,000 feet elevation. Model numbers are Trane YCD series. Weight: 450 lbs.
Note: See sheet M5.1 for control requirements.

		Capacities (MBtuh)		Heating			
Symbol	Model	Cooling	Heating	Input (MBtuh)	CFM	ESP	MCA
AC-6	024F1HK	15.2	31.2	50	700	0.40"	15.7

EF-1

EXHAUST FAN: Rooftop mounted, spun aluminum, belt drive, centrifugal exhaust fan with prelubricated ball bearing drive and motor, vibration isolators, heavy duty cast iron adjustable drive pulley, non-overloading all aluminum wheel and hub, external aluminum wiring post, weather-proof disconnect switch, roof curb (see plans for roof type and slope) and backdraft damper. Exhaust rates are at 5,000 feet elevation. Power is 120 Volt/1 Phase. Model numbers are Greenheck.

Symbol	Model	CFM	ESP	RPM	H.P.	Operating Weight
EF-1	GB070-4	200	0.25	1,300	1/4	45 lbs.

CE-1 AND CE-2

CEILING EXHAUSTER: Ceiling mounted super-quiet exhaust fan with neoprene mounted low rpm motor, dynamically balanced centrifugal blower, steel housing with 1/2" acoustical insulation, clatterproof automatic backdraft damper, and ceiling grille. Power is 120 Volt/1 Phase. Model numbers are Greenheck. Capacities are for 5,000 feet elevation.

Symbol	Model	CFM	ESP	Watts
CE-1, 2	SP-A190	110	0.20"	113

D-1

DIFFUSER: Price SMD series diffuser with frame style 36 suitable for Lay-in Tee-bar ceiling installation. Diffuser shall be of welded steel construction with a factory applied white baked enamel finish. Furnish complete with opposed blade damper adjustable through face and removable core. Pattern and size as indicated on drawings.

D-2

DIFFUSER: Price SMD series diffuser with frame style 1 suitable for Surface installation. Diffuser shall be of welded steel construction with a factory applied white baked enamel finish. Furnish complete with opposed blade damper adjustable through face and removable core. Pattern and size as indicated on drawings.

LD-1

LINEAR SLOT DIFFUSER: Suitable for surface mounted installation, ceiling supply application. Grille bar spacing on 1/2" centers with bars set at zero degree deflection with type "A" mounting and 1000 frame and opposed blade damper. All extruded aluminum construction with a factory applied white baked enamel finish, with an NC level less than 30. Price series LBP-15.

SR-1

SUPPLY REGISTER: Price series 620DAL double deflection extruded aluminum supply grille with individually adjustable vanes on 3/4" centers. Furnish with an aluminum opposed blade balancing damper, and a factory applied white enamel finish.

RG-1

RETURN GRILLE: Price series 80 with frame TB suitable for Lay-in Tee-bar installation. Grille shall be all aluminum construction with a fixed core of 1/2"x1/2"x1/2" deep squares. Furnish with a factory applied white baked enamel finish. Neck size as indicated on drawings.

RG-2

RETURN GRILLE: Price series 80 with frame F suitable for surface mounting installation. Grille shall be all aluminum construction with a fixed core of 1/2"x1/2"x1/2" deep squares. Furnish with a factory applied white baked enamel finish. Neck size as indicated on drawings.

RG-3

RETURN GRILLE: Price series 630 extruded aluminum return air grille with stationary vanes set at 45° angle on 3/4" centers. Furnish with a factory applied white baked enamel finish.

EG-1

EXHAUST GRILLE: Price series 80 with frame F suitable for surface mounting installation. Grille shall be all aluminum construction with a fixed core of 1/2"x1/2"x1/2" deep squares. Furnish with a factory applied white baked enamel finish. Neck size as indicated on drawings.

Note:
MODEL NUMBERS GIVEN ARE TO ESTABLISH THE MINIMUM REQUIREMENTS OF THE EQUIPMENT SPECIFIED. IF, IN THE OPINION OF THE CONTRACTOR, AN ALTERNATE ITEM EQUALS OR EXCEEDS THE ITEM SPECIFIED, LITERATURE AND/OR SAMPLES SUBSTANTIATING THIS CLAIM SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER FOR APPROVAL.

ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

F.E.I. - Brown Engineering
149 Jackson Street NE
Albuquerque, New Mexico 87108
Phone (505) 265-0900 FAX (505) 265-6774

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 6759.01 | Zone Map No. F-19-Z | Sheet | Of **

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	10/14/03	—Plan Check Corrections	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE 1/8"-1'-0"
RMKMa PROJECT NO. 0207B
DRAWING FILE NO. M61
DATE SEPTEMBER, 2003
PROJECT MANAGER DANIEL CHAVEZ
DRAWN BY FD

SHEET TITLE
EQUIPMENT SCHEDULE

CHARLES E. BROWN NEW MEXICO 7020 REGISTERED PROFESSIONAL ENGINEER
8/18/03

SHEET NUMBER
M6.1

ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

KEYED NOTES

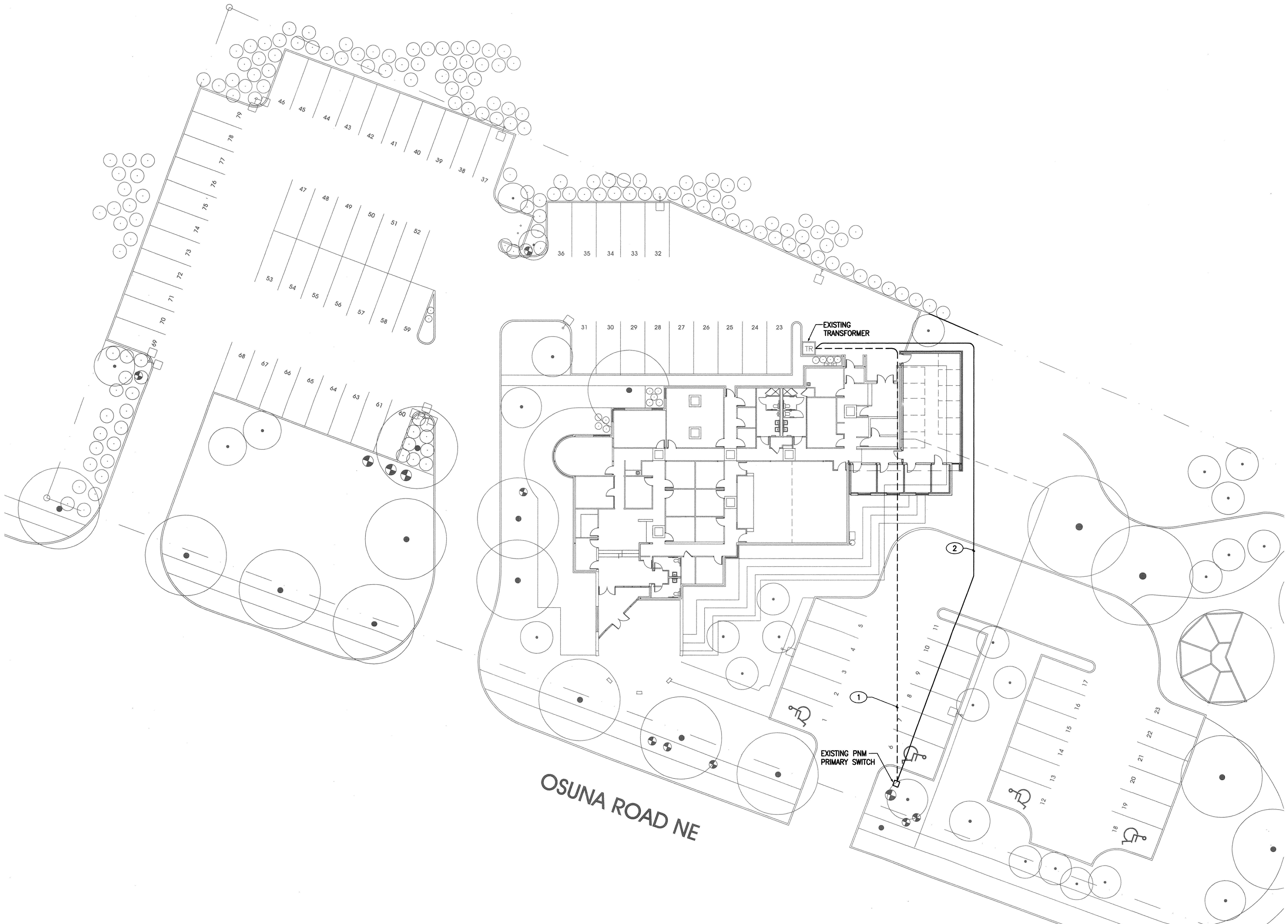
(1) REMOVE EXISTING PRIMARY CONDUCTORS. ABANDON CONDUIT IN PLACE. COORDINATE ALL WORK WITH PNM.

(2) PROVIDE AND INSTALL A NEW 4" CONDUIT PER PNM REQUIREMENTS FOR NEW PRIMARY CONDUCTORS. COORDINATE ALL WORK WITH PNM.

WARNING

IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OR PIPELINE COMPANY, THE OWNER OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF TO THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE OF ANY AND ALL DAMAGE CAUSED BY IT'S FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES, AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.



ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"

NORTH

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ELECTRICAL SITE PLAN**

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of **
6759.01	F-19-Z		

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REV. #	DATE	DESCRIPTION	CHECK
1	11/05/03	Plan Check Corrections	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
1" = 20'-0"

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.

DATE
SEPTEMBER, 2003

PROJECT MANAGER
DDR

DRAWN BY
TRG

SHEET TITLE
ELECTRICAL SITE PLAN

SHEET NUMBER
E001

THE RESPONSE GROUP, INC.
An Electrical/Mechanical Engineering Corporation
11930 Menaul N.E. Suite 214
Albuquerque, New Mexico 87112
Phone:(505) 323-7629 Fax:(505) 323-7594
E-mail: responsegr@Qwest.net

DARRYL D. RUEHLE
NEW MEXICO
6729
REGISTERED PROFESSIONAL ENGINEER
[illegible]
03112
11/6/03

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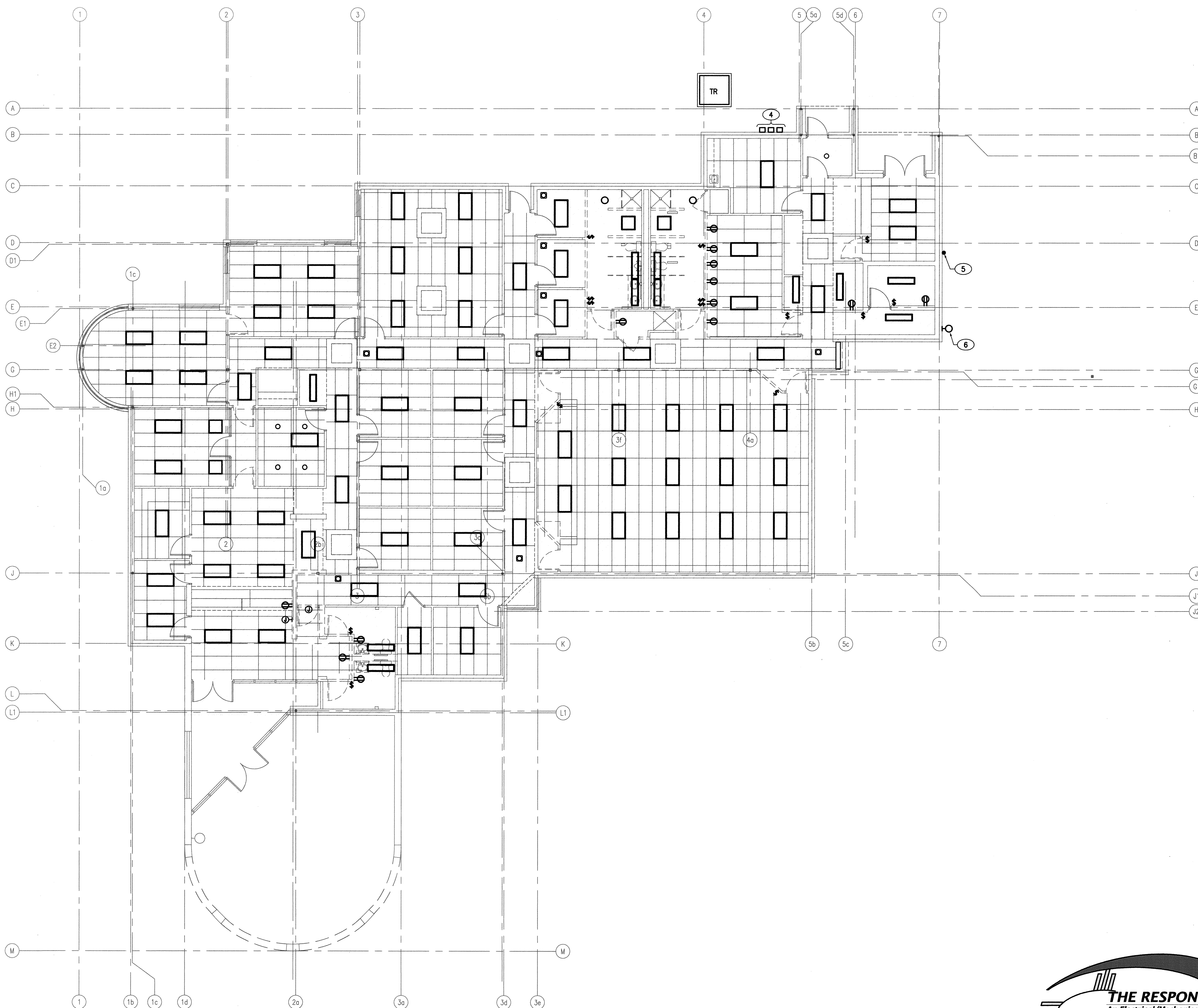
ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454



DEMOLITION PLAN (1) (2) (3)

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

NORTH

KEYED NOTES

(1) ALL EXISTING CEILINGS ARE TO BE REMOVED FOR INSTALLATION OF NEW HVAC DUCT WORK. THE CONTRACTOR SHALL REMOVE AND STORE ALL LIGHTING FIXTURES (INCLUDING CEILING MOUNTED EXIT AND EMERGENCY LIGHTS) AND PROVIDE TEMPORARY LIGHTING DURING CONSTRUCTION. IF THE CONTRACTOR DECIDES TO LEAVE THE LIGHTING FIXTURES IN PLACE THEY MUST BE SUPPORTED FROM THE STRUCTURE ABOVE AND BE PROTECTED FROM DAMAGE. IF ANY LIGHTING FIXTURES ARE DAMAGED, THE CONTRACTOR WILL BE REQUIRED TO REPLACE THE LIGHTING FIXTURE AT NO ADDITIONAL COST TO THE OWNER.

(2) THE CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT, CONDUCTORS, BOXES, DISCONNECT SWITCHES, CIRCUIT BREAKERS, ETC. FROM ANY MECHANICAL UNITS BEING REMOVED. REFER TO MECHANICAL DRAWINGS FOR QUANTITY AND LOCATION OF EQUIPMENT BEING REMOVED.

(3) IN WALLS TO BE REMOVED:
ALL EXISTING WALL MOUNTED ELECTRICAL DEVICES (INCLUDING, BUT NOT LIMITED TO: RECEPTACLES, VOICE/DATA OUTLETS, JUNCTION BOXES, PLUGMOLD, SWITCHES, INTERCOMN/COMMUNICATION DEVICES, ETC) SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING CONDUIT, CONDUCTORS, BACKBOXES AND SUPPORTS.

(4) REMOVE EXISTING DISCONNECT SWITCH, CT ENCLOSURE AND METERING EQUIPMENT. REFER TO POWER RISER DIAGRAM ON SHEET E401 FOR ADDITIONAL INFORMATION.

(5) APPROXIMATE LOCATION WHERE ANTENNA CABLES ENTER BUILDING. REMOVE ANTENNA CABLES, REFER TO SHEET E301 FOR ADDITIONAL INFORMATION. COORDINATE ALL WORK WITH OWNER.

(6) REMOVE EXISTING FLOOD LIGHT MOUNTED ON PARAPET OF ROOF. RELOCATE TO NEW ROOF. REFER TO SHEET E201 FOR ADDITIONAL INFORMATION.

GENERAL NOTES

A. ALL EXISTING CONDUIT, LOW VOLTAGE CABLING, AND BOXES LOCATED ABOVE THE CEILING SHALL BE BROUGHT UP TO CODE (LATEST NATIONAL AND LOCAL).

B. NOT ALL EXISTING ELECTRICAL DEVICES ARE SHOWN. CIRCUITRY OF EXISTING DEVICES MAY BE EFFECTED BY DEMOLITION AND REMODEL. CONTRACTOR SHALL RECIRCUIT AS REQUIRED TO MAINTAIN OPERATIONAL CONTINUITY.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
DEMOLITION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of **
6759.01	F-19-Z		

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	11/05/03	Plan Check Corrections	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
1/8" = 1'-0"

RMKMa PROJECT NO.
0207B

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PROJECT MANAGER
DDR

DRAWN BY
TRG

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DEMOLITION PLAN

SHEET NUMBER
E101

THE RESPONSE GROUP, INC.
An Electrical/Mechanical Engineering Corporation
11930 Menaul N.E. Suite 214
Albuquerque, New Mexico 87112
Phone:(505) 323-7629 Fax:(505) 323-7594
E-mail: responsegr@Qwest.net

[illegible]
DARRYL D. RUHLE
NEW MEXICO
6729
REGISTERED PROFESSIONAL ENGINEER
03112
11/6/03

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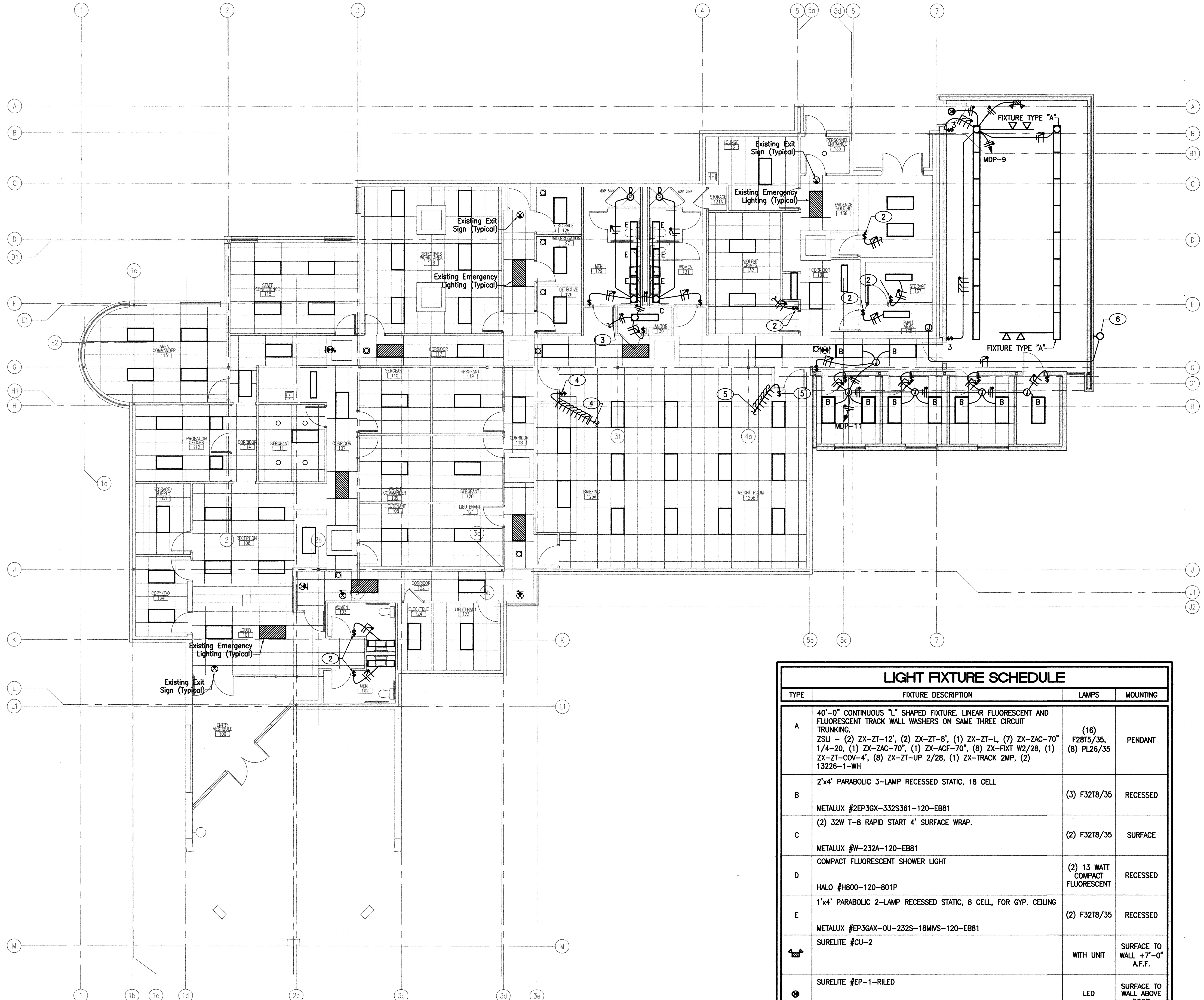
ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454



LIGHTING PLAN (1)

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

KEYED NOTES

1. CONTRACTOR SHALL CLEAN LENSES, REPLACE ANY NON OPERATIONAL LAMPS AND BALLASTS, AND REINSTALL LIGHTING FIXTURES IN NEW CEILING IN SAME LOCATION AS THEY WERE REMOVED FROM. LIGHTING FIXTURES SHALL BE SUPPORTED AS REQUIRED BY LATEST NATIONAL AND LOCAL CODES.
2. INSTALL NEW SWITCH FOR CONTROL OF EXISTING LIGHT FIXTURES.
3. CONNECT TO EXISTING LIGHTING CIRCUIT IN AREA.
4. SIX SWITCHES, TWO 3-WAY AND FOUR SING POLE. EXTEND TO LIGHT FIXTURES TO MAINTAIN EXISTING OPERATIONAL CONTINUITY.
5. TWO 3-WAY SWITCHES. EXTEND TO LIGHT FIXTURES TO MAINTAIN EXISTING OPERATIONAL CONTINUITY.
6. NEW LOCATION OF EXISTING FLOOD LIGHT. MOUNT ON PARAPET OF NEW ROOF. EXTEND CONDUIT AND CONDUCTORS FROM EXISTING LOCATION TO NEW TO MAINTAIN CIRCUIT CONTINUITY.

LIGHT FIXTURE SCHEDULE

TYPE	FIXTURE DESCRIPTION	LAMPS	MOUNTING
A	40'-0" CONTINUOUS "L" SHAPED FIXTURE. LINEAR FLUORESCENT AND FLUORESCENT TRACK WALL WASHERS ON SAME THREE CIRCUIT TRUNKING. ZSLI – (2) ZX-ZT-12', (2) ZX-ZT-8', (1) ZX-ZT-L, (7) ZX-ZAC-70" 1/4-20, (1) ZX-ZAC-70", (1) ZX-ACF-70", (8) ZX-FIXT W2/28, (1) ZX-ZT-COV-4', (8) ZX-ZT-UP 2/28, (1) ZX-TRACK 2MP, (2) 13226-1-WH	(16) F28T5/35, (8) PL26/35	PENDANT
B	2'x4' PARABOLIC 3-LAMP RECESSED STATIC, 18 CELL METALUX #2EP3GX-332S361-120-EB81	(3) F32T8/35	RECESSED
C	(2) 32W T-8 RAPID START 4' SURFACE WRAP. METALUX #W-232A-120-EB81	(2) F32T8/35	SURFACE
D	COMPACT FLUORESCENT SHOWER LIGHT HALO #H800-120-801P	(2) 13 WATT COMPACT FLUORESCENT	RECESSED
E	1'x4' PARABOLIC 2-LAMP RECESSED STATIC, 8 CELL, FOR GYP. CEILING METALUX #EP3GAX-OU-232S-18MIVS-120-EB81	(2) F32T8/35	RECESSED
	SURELITE #CU-2	WITH UNIT	SURFACE TO WALL +7'-0" A.F.F.
⊗	SURELITE #EP-1-RILED	LED	SURFACE TO WALL ABOVE DOOR

THE RESPONSE GROUP, INC.
An Electrical/Mechanical Engineering Corporation
11930 Menaul N.E. Suite 214
Albuquerque, New Mexico 87112
Phone:(505) 323-7629 Fax:(505) 323-7594
E-mail: responsegr@Qwest.net

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LIGHTING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of
6759.01	F-19-Z		**

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PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast" Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE 1/8" = 1'-0"
RMKMa PROJECT NO. 0207B
DRAWING FILE NO.
DATE SEPTEMBER, 2003
PROJECT MANAGER DDR
DRAWN BY TRG

SHEET TITLE
LIGHTING PLAN

SHEET NUMBER
E201

DARRYL D. RUE... NEW MEXICO 6729 REGISTERED PROFESSIONAL ENGINEER
[illegible]
03112 11/6/03

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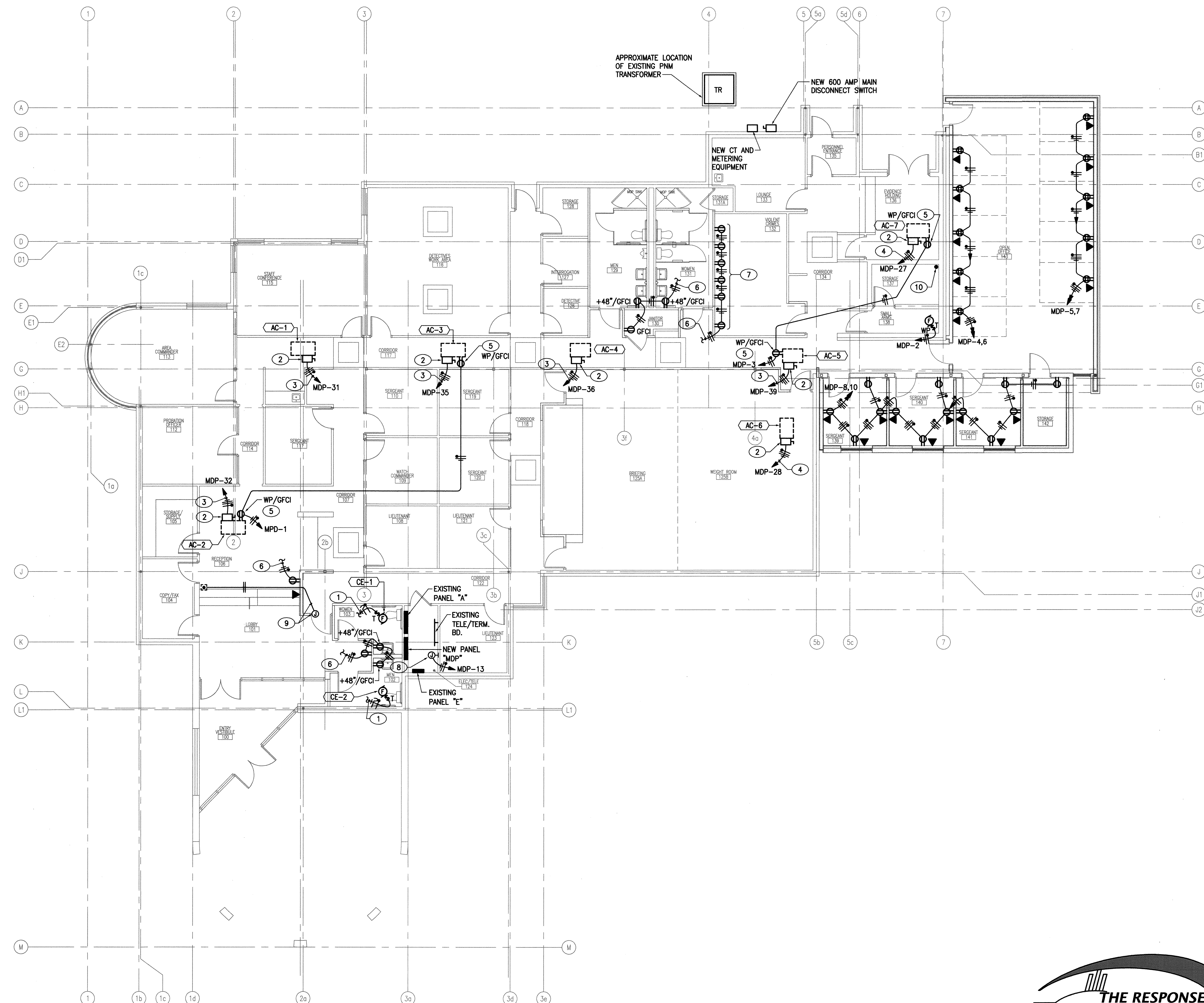
ROHDE MAY KELLER McNAMARA
ARCHITECTURE

PROFESSIONAL CORPORATION

400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454



POWER AND SPECIAL SYSTEMS PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTES

1. CONNECT TO LIGHTING CIRCUIT IN ROOM.
2. 240V-60A-2P+SN FUSIBLE DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. SIZE FUSES PER MANUFACTURERS RECOMMENDATIONS.
3. (3) #6 THWN AND (1) #10 THWN GROUND IN 3/4" CONDUIT.
4. (3) #8 THWN AND (1) #10 THWN GROUND IN 3/4" CONDUIT.
5. MOUNT RECEPTACLE ON UNIT SO AS NOT TO HAMPER MAINTENANCE.
6. CONNECT TO EXISTING RECEPTACLE CIRCUIT IN AREA.
7. MOUNT RECEPTACLE AT +42" A.F.F.
8. JUNCTION BOX FOR POWER TO BAS CONTROL EQUIPMENT.
9. REINSTALL MAG LOCK ON DOOR, EXTEND CONDUIT AND CONTROL CONDUCTORS TO EXISTING DOOR RELEASE BUTTON.
10. EXTEND EXISTING ANTENNA CABLES THROUGH ROOF. VERIFY EXACT LOCATION WITH OWNER. MAKE ALL CONNECTIONS TO RADIO EQUIPMENT FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE ALL WORK WITH OWNER. PROVIDE SEAL AT ROOF PENETRATION PER ARCHITECTS REQUIREMENTS.

GENERAL NOTES

A. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL 120 VOLT CONTROL WIRING.

B. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A JUNCTION BOX FOR EACH THERMOSTAT WITH A 1/2" CONDUIT FROM THERMOSTAT TO VAV BOX. REFER TO MECHANICAL DRAWINGS FOR EXACT QUANTITY AND LOCATION OF THERMOSTATS AND VAV BOXES.

C. REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **POWER AND SPECIAL SYSTEMS PLAN**

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of **
6759.01	F-19-Z		

ISSUES & REVISIONS

REV. #	DATE	DESCRIPTION	CHECK
1	11/05/03	Plan Check Corrections	

PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
100% CONSTRUCTION DOCUMENTS

8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE
1/8" = 1'-0"

RMKMa PROJECT NO.
0207B

DRAWING FILE NO.

DATE
SEPTEMBER, 2003

PROJECT MANAGER
DDR

DRAWN BY
TRG

SHEET TITLE
POWER AND SPECIAL SYSTEMS PLAN

SHEET NUMBER
E301

THE RESPONSE GROUP, INC.
An Electrical/Mechanical Engineering Corporation
11930 Menaul N.E. Suite 214
Albuquerque, New Mexico 87112
Phone:(505) 323-7629 Fax:(505) 323-7594
E-mail: responsegr@Qwest.net

DARRYL D. RUEHLE
NEW MEXICO
6729
REGISTERED PROFESSIONAL ENGINEER
[illegible]
11/6/03

03112

File: F:\03112-J Arthur Carrillo\ELEC\E03112-E301-PWR.dwg Scale: 96
Date: 11/5/03 @ 3:29 pm - The Response Group, Inc.

ELECTRICAL SYMBOL LEGEND

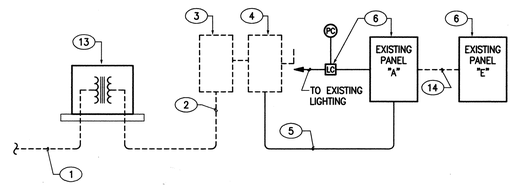
SYMBOL	DESCRIPTION
○	CEILING OUTLET AND FIXTURE
▭	FLUORESCENT OUTLET AND FIXTURE
⊗↓	CEILING MOUNTED EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED
H⊗↓	WALL BRACKET OR RECESSED EXIT FIXTURE AND WITH DIRECTIONAL ARROWS AS INDICATED
	TYPE AS INDICATED ON LIGHT FIXTURE SCHEDULE
S	SINGLE POLE SWITCH, FLUSH MOUNTED UP 48" A.F.F. UNLESS INDICATED OTHERWISE
S^3	THREE-WAY SWITCH, FLUSH MOUNTED UP 48" A.F.F. UNLESS INDICATED OTHERWISE
S^D	SINGLE POLE SLIDE-TO-OFF INCANDESCENT DIMMING CONTROLLER, LUTRON #N-600 OR APPROVED EQUAL. FLUSH MOUNTED UP 48" A.F.F. UNLESS INDICATED OTHERWISE
S^K	KEYED SWITCH, FLUSH MOUNTED UP 48" A.F.F. UNLESS INDICATED OTHERWISE.
⊖	DUPLEX CONVENIENCE OUTLET, UP 18" A.F.F. UNLESS INDICATED OTHERWISE
⊖^{GFCI}	DUPLEX CONVENIENCE OUTLET, GROUND FAULT CIRCUIT INTERRUPTER, UP 18" A.F.F. UNLESS INDICATED OTHERWISE.
⊖^{WP}	WEATHERPROOF DUPLEX CONVENIENCE OUTLET, UP 18" A.F.F. OR AS INDICATED. BOX AND DEVICE SHALL BE SIMILAR AND EQUAL TO PASS & SEYMOUR #1591-F46 (DEVICE) AND #4600 (FLUSH MOUNTED LOCKING BOX)
⊕	QUADPLEX CONVENIENCE OUTLET, UP 18" A.F.F. UNLESS INDICATED OTHERWISE
J	JUNCTION BOX INSTALLED ABOVE THE CEILING WITH FLEXIBLE CONDUIT CONNECTION TO LAY-IN FIXTURES. MAXIMUM 4'-0" LENGTH OF CONDUIT WITH REQUIRED CONDUCTORS ALONG WITH GREEN GROUND CONDUCTOR.
H J	JUNCTION BOX FLUSH IN WALL, HEIGHT AS INDICATED ON DRAWINGS, WITH CONNECTION TO EQUIPMENT.
H T	THERMOSTAT, UP 48" A.F.F. UNLESS INDICATED OTHERWISE.
▬	BRANCH CIRCUIT PANELBOARD, REFER TO PANEL SCHEDULE FOR CHARACTERISTICS
◀	VOICE / DATA OUTLET, UP 18" A.F.F. UNLESS INDICATED OTHERWISE. 3/4" CONDUIT MINIMUM, STUB UP ABOVE ACCESSIBLE CEILING SPACE (2 GANG BOX, SINGLE GANG MUD RING)
	CONCEALED BRANCH CIRCUIT WITH CONDUCTORS AS INDICATED. NEUTRAL, HOT, SWITCH LEG AND GROUND RESPECTIVELY.
	BRANCH CIRCUIT CONCEALED UNDERFLOOR OR UNDER CARPET WITH CONDUCTORS AS INDICATED. NEUTRAL, HOT, SWITCH LEG AND GROUND RESPECTIVELY.
P2-2,4	HOME RUN TO PANELBOARD WITH BRANCH CIRCUIT NUMBERS INDICATED.

NOTES:
- LIGHTING FIXTURES ARE OF TYPE AS INDICATED ON LIGHT FIXTURE SCHEDULE U.N.O.
- ALL MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE U.N.O.
- ANY SPECIFIC DETAILS ABOVE (MOUNTING HEIGHTS, PART NUMBERS, CONNECTION METHODS, ETC) MAY BE MODIFIED OR REPLACED BY INFORMATION ON PLANS, SCHEDULES, DETAILS, RISERS, ETC. DETAILS NOT SPECIFICALLY MODIFIED REMAIN AS GIVEN ABOVE.

PANEL: "MDP" VOLTAGE: 120/240V-1ø-3W MAINS: 600A AIC: 10,000
SOURCE: . SKIRTS: N/A FEED: TOP MAIN BREAKER: MLO MOUNTING: SURFACE

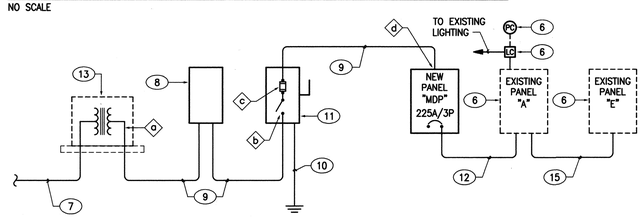
DESCRIPTION	BREAKER	LOAD (VA)	CCT NO.	LOAD (VA) øA	LOAD (VA) øB	CCT NO.	LOAD (VA)	BREAKER	DESCRIPTION
RECEPTACLE "ROOF"	20A-1P	400	1	900		2	500	20A-1P	EXHAUST FAN
RECEPTACLE "ROOF"	20A-1P	400	3		1480	4	1080	20A-1P	RECEPTACLES
RECEPTACLES	20A-1P	1080	5	1800		6	720	20A-1P	RECEPTACLES
RECEPTACLES	20A-1P	720	7		1620	8	900	20A-1P	RECEPTACLES
LIGHTING	20A-1P	1000	9	2440		10	1440	20A-1P	RECEPTACLES
LIGHTING	20A-1P	1300	11		1300	12		20A-1P	SPARE
BAS CONTROLS	20A-1P	100	13	100		14		20A-1P	SPARE
SPARE	20A-1P	·	15		·	16		20A-1P	SPARE
SPARE	20A-1P	·	17	·		18		20A-1P	SPARE
SPARE	20A-1P	·	19		·	20		20A-1P	SPARE
SPARE	20A-1P	·	21	·		22		20A-1P	SPARE
SPARE	20A-1P	·	23		·	24		20A-1P	SPARE
SPARE	20A-1P		25	·		26		20A-1P	SPARE
AC-7	45A	3500	27		6300	28	2800	40A	AC-6
	2P	3500	29	6300		30	2800	2P	
AC-1	60A	4700	31		9400	32	4700	60A	AC-2
	2P	4700	33	9400		34	4700	2P	
AC-3	60A	4700	35		9400	36	4700	60A	AC-4
	2P	4700	37	9400		38	4700	2P	
AC-5	60A	4700	39		25,100	40	20400	225A	EXISTING PANEL "A"
	2P	4700	41	25,100		42	20400	2P	
				TOTAL LOAD (VA)	55440	54600			

TOTAL CONNECTED (KVA): 110 ESTIMATED DEMAND (KVA): 110 AT 120/240V-1ø-3W= 458 AMPS DOOR-IN-DOOR GROUND BUS



POWER RISER DIAGRAM - REMOVAL

NO SCALE



POWER RISER DIAGRAM - NEW

NO SCALE

SHORT CIRCUIT CALCULATIONS

◇a PER PNM STANDARDS #DS-4-11.0, MAXIMUM AVAILABLE FAULT CURRENT OF 60,000 AIC AVAILABLE AT SECONDARY TERMINATIONS OF PAD MOUNTED TRANSFORMER.

◇b APPROXIMATELY 15' OF (2) PARALLEL RUNS OF 350 KCMIL CONDUCTORS LIMIT SHORT CIRCUIT CURRENT TO APPROXIMATELY 53,780 AIC.

◇c FAULT CURRENT LET-THRU OF 600 AMP FUSES, EQUAL TO BUSSMANN LPN-RK IS APPROXIMATELY 14,400 AIC.

◇d APPROXIMATELY 120' OF (2) PARALLEL RUNS OF 350 KCMIL CONDUCTORS FROM LOAD SIDE OF DISCONNECT TO PANEL "MDP" LIMIT SHORT CIRCUIT CURRENT TO APPROXIMATELY 4,800 AIC. THEREFORE PANEL MDP SHALL BE RATED AT 10,000 AIC.

ROHDE MAY KELLER McNAMARA
ARCHITECTURE
PROFESSIONAL CORPORATION
400 Gold Avenue, SW Studio 1100 Simms Tower Albuquerque, New Mexico 87102 USA tel. 505 243 5454

KEYED NOTES

1. REMOVE EXISTING PRIMARY FEEDER. COORDINATE WITH PNM.
2. REMOVE EXISTING SECONDARY CONDUIT AND CONDUCTORS.
3. REMOVE EXISTING METERING AND CT ENCLOSURE.
4. REMOVE EXISTING 400 AMP DISCONNECT SWITCH.
5. REMOVE EXISTING CONDUCTORS. ABANDON CONDUIT IN PLACE.
6. EXISTING PANELBOARDS AND EXTERIOR LIGHTING CONTROLS TO REMAIN.
7. NEW PRIMARY FEEDER, REFER TO SITE PLAN FOR ADDITIONAL INFORMATION.
8. NEW CT AND METERING EQUIPMENT PER PNM REQUIREMENTS.
9. 2 - 2 1/2" CONDUITS EACH WITH 3 - 350 KCMIL THWN CONDUCTORS AND 1 #1 THWN GROUND.
10. PROVIDE AND INSTALL NEW SERVICE ENTRANCE GROUND PER NEC ARTICLE 250.
11. 240 VOLT - 600A/2P + SN FUSIBLE DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. PROVIDE AND INSTALL BUSS LPN-RK 600 AMP FUSES.
12. 3 #4/0 THWN AND 1 #4 THWN GROUND IN 2" CONDUIT.
13. EXISTING PNM TRANSFORMER TO REMAIN. COORDINATE WITH PNM.
14. REMOVE FEEDER TO ACCOMMODATE NEW PANEL "MDP".
15. ROUTE NEW FEEDER BELOW NEW PANEL "MDP". (3) #2 THWN AND (1) #6 THWN GROUND IN 1-1/4" CONDUIT.

NOTE

BY THE ACT OF SUBMITTING A BID FOR THE PROPOSED CONTRACT, THE BIDDER WARRANTS THAT:

1. THE BIDDER AND ALL SUBCONTRACTORS HE INTENDS TO USE HAVE CAREFULLY AND THOROUGHLY REVIEWED THE DRAWINGS SPECIFICATIONS AND OTHER CONSTRUCTION DOCUMENTS AND HAVE FOUND THEM COMPLETE AND FREE FROM AMBIGUITIES AND SUFFICIENT FOR THE PURPOSE INTENDED; FURTHER THAT
2. THE BIDDER HAS CAREFULLY EXAMINED THE PROJECT SITE AND AREA OF WORK AND THAT FROM HIS OWN INVESTIGATIONS HE HAS SATISFIED HIMSELF AS TO THE NATURE AND LOCATION OF THE WORK AND THE CHARACTER, QUALITY, QUANTITIES OF MATERIALS AND DIFFICULTIES TO BE ENCOUNTERED, THE KIND AND EXTEND OF EQUIPMENT AND OTHER FACILITIES NEEDED FOR THE PERFORMANCE OF THE WORK, THE GENERAL AND LOCAL CONDITIONS AND OTHER ITEMS WHICH MAY, IN ANY WAY, AFFECT THE WORK OR IT'S PERFORMANCE; FURTHER THAT
3. THE BIDDER IS AWARE THAT ALL POWER SYSTEMS ARE OPERABLE AND SHALL REMAIN OPERABLE AT PROJECT COMPLETION. THIS REQUIRES THE SUCCESSFUL CONTRACTOR TO "RING OUT" ALL CIRCUITS IN AREAS OF MODIFICATIONS PRIOR TO ANY WORK IN THOSE AREAS AND TO MAINTAIN ALL SUCH BRANCH CIRCUITING AND CONTROLS OPERATIONAL AFTER MODIFICATIONS.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ELECTRICAL SCHEDULES, DIAGRAMS AND NOTES

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet	Of **
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PROJECT
City of Albuquerque Police Department
John Arthur Carrillo- "Northeast"
Memorial Substation
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8201 Osuna RD NE.
Albuquerque NM, 87109

SCALE: NO SCALE
RMKMa PROJECT NO.: 0207B
DRAWING FILE NO.:
DATE: SEPTEMBER, 2003
PROJECT MANAGER: DDR
DRAWN BY: TRG

SHEET TITLE
ELECTRICAL SCHEDULES, DIAGRAMS AND NOTES

SHEET NUMBER
E401

THE RESPONSE GROUP, INC.
An Electrical/Mechanical Engineering Corporation
11930 Menaul N.E. Suite 214
Albuquerque, New Mexico 87112
Phone:(505) 323-7629 Fax:(505) 323-7594
E-mail: responsegr@qwest.net

BARRY R. BLUE
NEW MEXICO
6729
REGISTERED PROFESSIONAL ENGINEER
11/03
03112

File: F:\03112-J Arthur Carrillo\ELEC\E03112-E401-SCHEDULES.dwg Scale: 96
Date: 11/6/03 @ 1:06 pm - The Response Group, Inc.