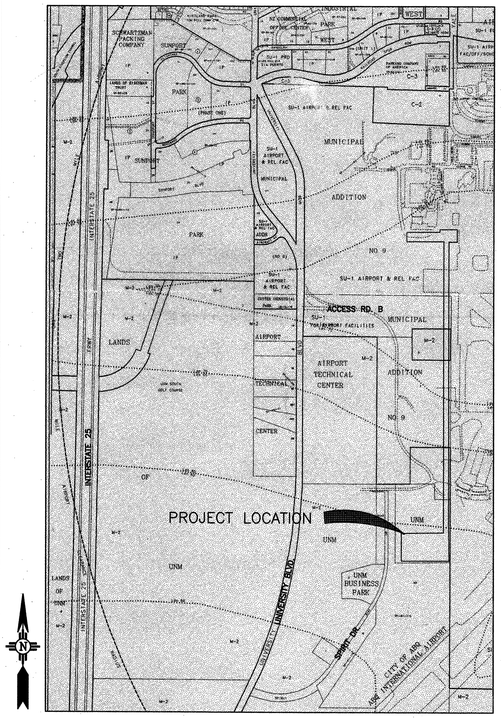
ALBUQUERQUE
NEW MEXICO
1706

CONSTRUCTION PLANS
FOR

ALBUQUERQUE INTERNATIONAL SUNPORT
JET-A FUEL FARM
FUELING OPERATIONS BUILDING

April 28, 2004
(Reissue - November 17, 2004)



ZONE ATLAS PAGES: M15 AND N15

VICINITY MAP
NOT TO SCALE

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URS PROJECT NO. 24342138
SMPC PROJECT NO. 02060

Albuq. International Sunport Jet-a-fuel Farm Fueling Operations Building 5922-13

STRUCTURAL
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6100 SEAGULL LANE, SUITE B210
ALBUQUERQUE, NM 87109
(505) 858-1456 FAX: (505) 858-1609

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These documents were prepared for this specific project only. SMPC Architects' liability is limited to this specific project, and does not extend to reuse of these documents for other projects.

PROJECT #: 02060
DWN BY: ADM
CHK BY: DMH
DATE: 04/28/04

URS
6501 AMERICAS PARKWAY NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855-7500

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

STAMP & SIGNATURE

STATE OF NEW MEXICO
DAVID M. HASSARD
No. 1467
REGISTERED ARCHITECT
4-28-04

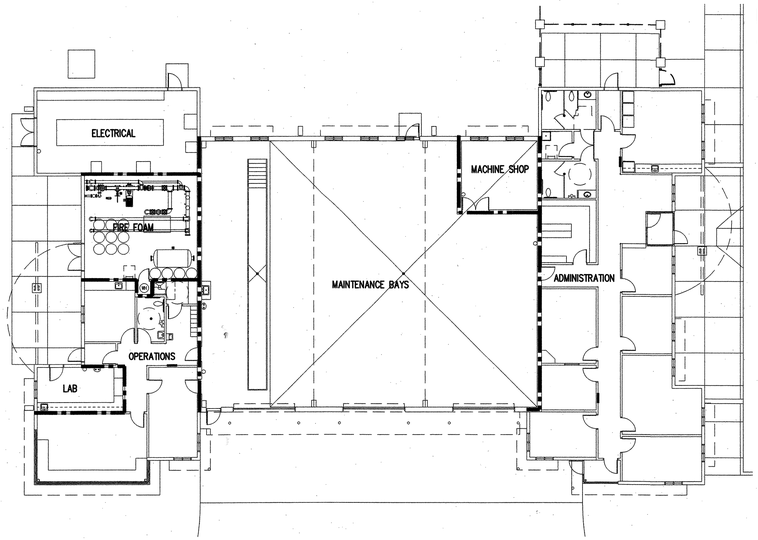
APPROVALS	ENGINEER	DATE
DRC Chairman		7-7-04
Transportation	N/A	
Water/Wastewater	N/A	
Hydrology	N/A	
Parks		
Const. Coord.	N/A	

APPROVED FOR CONSTRUCTION
City Architect — Date 7/7/04
City Engineer — Date 7-09-04

City Project No.	Zone Map No.	Sheet	Of	
5922-13	N-15	1	44	G001

NAME: G001.dwg DATE: MAY 03, 2004 TIME: 8:32 AM PLOT SCALE: 1" = 1'

FIRE WALL PLAN



LEGEND

2 HOUR WALL (TERMINATES AT ROOF; LOWER ROOF WHERE THEY ARE OF DIFFERENT HEIGHTS)

FIRE RESISTIVE REQUIREMENTS

Building Element	Fire Resistance	Assembly Provided	Notes
Roof / Ceiling	NC / NR (UBC Table 6–A)	EPDM roof membrane, over ½" protection board, over 4" thick min. rigid roof insulation, over 5/8" type 'X' gypsum board, over metal roof deck, supported by steel joists.	
Exterior Bearing Walls, Exterior Non–bearing Walls	NC / NR (UBC Table 6–A)	6" structural studs at 16" O.C. with R–19 batt insulation between. 1" exterior insulation and finish system over 5/8" type 'X' gypsum sheathing on exterior face. 5/8" type 'X' gypsum board on interior face.	
Exterior Bearing Walls, Exterior Non–bearing Walls	NC / NR (UBC Table 6–A)	1" exterior insulation and finish system over 12" thick concrete masonry walls with reinforced cells grouted solid and other cells filled with loose fill insulation (UBC Table 7–B, Item 6–1.4, and footnote 2)	Refer to assebly on this sheet
Interior Separation Wall	2 Hour (UBC Sec. 504.6.2)	12" thick concrete masonry walls with reinforced cells grouted solid and other cells filled with loose fill insulation (UBC Table 7–B, Item 6–1.4, and footnote 2)	Refer to assebly on this sheet
Interior Separation Wall	2 Hour (UBC Sec. 504.6.2)	8" thick concrete masonry walls with reinforced cells grouted solid and other cells filled with loose fill insulation (UBC Table 7–B, Item 6–1.4, and footnote 2)	Refer to assebly on this sheet
Interior Separation Wall	2 Hour (UBC Sec. 304.2.2.1)	25 gauge metal studs at 16" O.C. with two layers 5/8" type 'X' gypsum boards each face (UBC Table 7–B, Item 16–1.2; Gypsum Assoc. WP 7095)	Refer to assebly on this sheet
Interior Partitions	NC / NR (UBC Sec. 601.5.2.1)	25 gauge metal studs at 16" O.C. with 5/8" type 'X' gypsum board each face.	Refer to assebly on this sheet
Exterior Doors	NC / NR (UBC Table 5–A)	16 gauge hollow metal frames grouted solid, 16 gauge metal doors, fully insulated	
Interior Doors	1 Hour and 1½ Hour (UBC Sec. 504.6.2)	16 gauge hollow metal frames grouted solid, 16 gauge metal doors with sound deadening material, bearing U.L.I. Label.	

FIRE ASSEMBLIES

UBC TABLE 7–B

6. Concrete masonry units	6-1.1[11, 12]	Expanded slag or pumice.	4.7	4.0	3.2	2.1
	6-1.2[11, 12]	Expanded clay, shale or slate.	5.1	4.4	3.6	2.6
	6-1.3[11]	Limestone, cinders or air-cooled slag.	5.9	5.0	4.0	2.7
	6-1.4[11, 12]	Calcareous or siliceous gravel.	6.2	5.3	4.2	2.8

[11]The fire-resistive time period for concrete masonry units meeting the equivalent thicknesses required for a two-hour fire-resistive rating in Item 6, and having a thickness of not less than $7^5/_8$ inches (194 mm) is four hours when cores which are not grouted are filled with silicone-treated perlite loose-fill insulation; vermiculite loose-fill insulation; or expanded clay, shale or slate lightweight aggregate, sand or slag having a maximum particle size of $^3/_8$ inch (9.5 mm).
[12]For determining the fire-resistance rating of concrete masonry units composed of a combination of aggregate types or where plaster is applied directly to the concrete masonry, see UBC Standard 7-7, Part III. Lightweight aggregates shall have a maximum combined density of 65 pounds per cubic foot (1049 kg/m³).

16. Noncombustible studs—interior partition with gypsum wallboard each side	16-1.1	0.018 inch (0.46 mm) (No. 25 carbon sheet steel gage) channel-shaped studs 24" (610 mm) on center with one full-length layer of $^5/_8$" (15.9 mm) Type X gypsum wallboard[7] applied vertically attached with 1" (25 mm) long No. 6 drywall screws to each stud. Screws are 8" (203 mm) on center around the perimeter and 12" (305 mm) on center on the intermediate stud. The wallboard may be applied horizontally when attached to $3^5/_8$" (92 mm) studs and the horizontal joints are staggered with those on the opposite side. Screws for the horizontal application shall be 8" (203 mm) on center at vertical edges and 12" (305 mm) on center at intermediate studs.				$2^7/_8$[6]
	16-1.2	0.018 inch (0.46 mm) (No. 25 carbon sheet steel gage) channel-shaped studs 24" (610 mm) on center with two full-length layers of $^1/_2$" (12.7 mm) Type X gypsum wallboard[7] applied vertically each side. First layer attached with 1" (25 mm) long, No. 6 drywall screws, 8" (203 mm) on center around the perimeter and 12" (305 mm) on center on the intermediate stud. Second layer applied with vertical joints offset one stud space from first layer using $1^5/_8$" (41.3 mm) long, No. 6 drywall screws spaced 9" (229 mm) on center along vertical joints, 12" (305 mm) on center at intermediate studs and 24" (610 mm) on center along top and bottom runners.				$3^5/_8$[6]

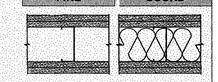
GYPSUM ASSOCIATION

GA FILE NO. WP 1522	GENERIC	2 HOUR FIRE	55 to 59 STC SOUND

GYPSUM WALLBOARD, STEEL STUDS

Base layer ⅝" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of 3½" steel studs 24" o.c. with 1" Type S drywall screws 24" o.c. **Face** layer ⅝" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side with 1½" Type S drywall screws 12" o.c.

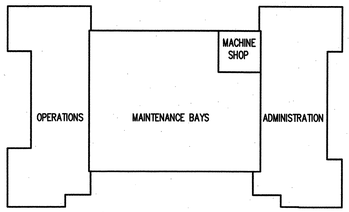
Joints staggered 24" each layer and side. Sound tested with 3½" glass fiber friction fit in stud space. **(NLB)**



Thickness: 6¼"
Limiting Height: Refer to Section V
Approx. Weight: 12 psf
Fire Test: See WP 1548 (WHI-495-0236, 1-30-80)
Sound Test: NRCC 818-NV, 2-3-81

BUILDING DESIGN DATA

KEY PLAN



ZONING

SU–1 ZONING (AIRPORT AND RELATED FACILITIES)

CONSTRUCTION

CODES:
1997 UNIFORM BUILDING CODE
1997 UNIFORM FIRE CODE
1997 UNIFORM MECHANICAL CODE
1997 UNIFORM PLUMBING CODE
2002 NATIONAL ELECTRICAL CODE
ANSI A117.1–1998

SEISMIC ZONE: 2B

OCCUPANCY GROUPS:	(UBC Table 3A)
B	ADMINISTRATION & OPERATIONS
H–5	MAINTENANCE BAYS
H–4	MACHINE SHOP

OCCUPANCY SEPERATIONS: (UBC Table 3B, MULTIPLE HAZARDS UBC 307.1.2, 3, 4 & 5)

B AND H–4/H5	2 HOUR REQUIRED
	2 HOUR PROVIDED (W/ 1½ HOUR OPENINGS)
H–4 AND H–5	2 HOUR REQUIRED
	2 HOUR PROVIDED (W/ 1½ HOUR OPENINGS)

CONSTRUCTION TYPE: II–N (w/ Automatic sprinkler systems)

ALLOWABLE BUILDING AREA		(UBC Table 5–B)
B OCCUPANCY	(18,000 X 0.54)	9,720 SF
H–4/H–5 OCCUPANCIES	(11,200 X 0.46)	5,152 SF
BASIC AREA		14,872 SF
INCREASES	(X2 SEPARATION ON ALL SIDES)	+14,872 SF
	(X3 AUTOMATIC SPRINKLERS)	+59,488 SF
TOTAL GROSS AREA		89,232 SF

ACTUAL BUILDING AREA	
ADMINISTRATION	2,928 SF
MAINTENANCE BAYS	4,459 SF
MACHINE SHOP	336 SF
OPERATIONS	2,756 SF
TOTAL GROSS AREA	10,479 SF

BUILDING HEIGHT	(UBC TABLE 5B)
ALLOWABLE:	2 STORY, 65'–0"
ACTUAL:	1 STORY, 27'–6"

EGRESS

OCCUPANT LOADS CALCULATIONS		(UBC Table 10A)
ADMINISTRATION	(1,688 NSF / 100)	17
MAINTENANCE BAYS (W/ MACHINE SHOP)	(4,774 NSF / 200)	24
OPERATIONS (OFFICES & LOCKERS)	(746 NSF / 100 + 104 NSF / 50)	10
LABS	(190 NSF / 100)	2
FIRE FOAM	(599 NSF / 300)	2
ELECTRICAL	(648 NSF / 300)	3
TOTAL OCCUPANTS		58

EXITS (UBC Table 10A)

	REQUIRED	PROVIDED	EXIT WIDTH PROVIDED
ADMINISTRATION	1	3	96" (3 X 32" CLR.)
MAINTENANCE BAYS (W/ MACHINE SHOP)	2	2	64" (2 X 32" CLR.)
OPERATIONS (OFFICES & LOCKERS)	1	1	32" (1 X 32" CLR.)
LABS	1	1	32" (1 X 32" CLR.)
FIRE FOAM	1	1	32" (1 X 32" CLR.)
ELECTRICAL	1	2	64" (3 X 32" CLR.)

PLUMBING

OCCUPANTS	AREA		LOAD		OCCUPANTS
OCCUPANCY B	5,687 SF	/	200	=	28
OCCUPANCY H	4,774 SF	/	2000	=	3

PLUMBING FIXTURES — Calculated as group B occupancy

	Required		Total Provided		
16. each Male & Female	Male	Female	Male	Female	Unisex
Water Closets (Urinals)	2	2	1+(1)	2	1
Lavatories	1	1	1	1	1
Drinking Fountains	1		1		

PROJECT DESCRIPTION

The Fueling Operations Building, a part of the Jet–A Fuel Farm project, is a facility providing administrative offices, maintenance bays for refuelers and other ground service equipment, and operations and control spaces for the fuel farm. The work includes the construction of the building's foundation, structural walls, roof system, exterior finish system, windows, doors, interior partitions and interior finishes. Exterior work incudes several sunshades and canopies around the perimeter of the building. The work also incudes HVAC, plumbing, power, lighting, and special electrical systems.

LEGAL DESCRIPTION

Sunport Municipal Addition, Tracts A, B, C, D, E, F, G, H, J, K, L & M. A Replat of Lands of Albuquerque International Airport, July, 2002.

GRADING AND DRAINAGE

The grading plan and drainage calculations for this area were recently submitted to the City of Albuquerque as an amendment to the Albuquerque International Sunport Drainage Master Plan 1994.

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

BENCH MARKS
"1–N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

AS BUILT INFORMATION
CONTRACTOR K.L. Hauser DATE 2004
WORK STAKED BY K.L. Hauser DATE
INSPECTOR'S FIELD NOTES BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO–FILM INFORMATION
RECORDED BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO — DAVID M. HASSARD — No. 1467 — REGISTERED ARCHITECT
4-28-04

No.	Date	By	Remarks
1	11/11/04	Building Permit Review Comments	DMH

REVISIONS
DESIGN Date 04/28/04
Designed By D. HASSARD
Drawn By A. McGOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
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URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855–7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING DESIGN DATA**

Design Review Committee — APPROVED — DESIGN REVIEW COMMITTEE
Last Design Update — APPROVED — CITY ENGINEER
Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5922-13 | Zone Map No. N15 | Sheet 2 Of 44 | Dwg. G002

NAME: G002.dwg DATE: MAY 03, 2004 TIME: 8:32 AM PLOT SCALE: 1" = 1'

GENERAL STRUCTURAL NOTES

1. CODES AND MANUALS
   UNIFORM BUILDING CODE, 1997 EDITION
   ACI 318, CURRENT EDITION
   ACI 530, CURRENT EDITION
   AISC MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, 9TH EDITION
   AISI MANUAL OF COLD FORMED STEEL DESIGN, CURRENT EDITION

2. DESIGN LOADS:
   A. VERTICAL: ROOF LIVE LOAD 20 PSF (SNOW, NONREDUCIBLE)
      ROOF DEAD LOAD 20 PSF
   B. HORIZONTAL:
      (1) WIND* [METHOD 2] P= CeCqQsI
      P = 19.98 PSF [0'–15']
      P = 21.30 PSF [15'–20']
      P = 22.43 PSF [20'–25']
      P = 23.19 PSF [25'–30']

      BASIC WIND SPEED = 75 MPH

      COMBINED HEIGHT, EXPOSURE & GUST FACTOR
      Ce = 1.06 [0'–15']
      Ce = 1.13 [15'–20']
      Ce = 1.19 [20'–25']
      Ce = 1.23 [25'–30']

      PRESSURE COEFFICIENT Cq = 1.3

      WIND STAGNATION PRESSURE qs = 14.5 PSF

      IMPORTANCE FACTOR I = 1.0
      EXPOSURE C

      (2) SEISMIC* $V = \frac{3.0 Cs}{R} W$

      ZONE 2B SITE COEFF. Z = 0.20
      IMPORTANCE FACTOR I = 1.0

      STRUCTURAL SYSTEM COEFFICIENT R = 5.5 (ULTIMATE) R = 7.7 (SERVICE)

      SOIL TYPE Sd

      SEISMIC COEFFICIENT Cs = 0.28

   *ALLOWABLE 1/3 STRESS INCREASE FOR COMBINED GRAVITY AND SEISMIC/WIND LOADING.

3. GENERAL
   A. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.
   B. SHOP DRAWINGS SHALL BE FURNISHED FOR REVIEW BEFORE ANY FABRICATION AND ERECTION IS STARTED. POORLY EXECUTED SHOP DRAWINGS SHALL BE REJECTED AND RESUBMITTED.
   C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION.
   D. ALL TRADES SHALL COORDINATE AND VERIFY ALL OPENINGS IN FLOORS, ROOF, WALLS, AND BEAMS WITH THE GENERAL CONTRACTOR.
   E. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FOUNDATIONS UNDER MECHANICAL EQUIPMENT AND SHALL COORDINATE SIZE AND LOCATION OF FOUNDATIONS WITH MECHANICAL CONTRACTOR.

4. MATERIALS
   A. CAST–IN–PLACE CONCRETE:
      (1) HARDROCK CONCRETE (UNIT WT. = 150 PCF)
         a. F'c = 3000 PSI @ 28 DAYS – ALL CAST–IN–PLACE FOUNDATION CONCRETE INCLUDING SPOT FOOTINGS, CONTINUOUS FOOTINGS AND SLABS ON GROUND.
         b. F'c = 4000 PSI @ 28 DAYS – ALL SITE CONCRETE INCLUDING SIDEWALKS, MECHANICAL PADS, ETC.

   B. REINFORCING STEEL:
      (1) ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
      (2) WELDED SMOOTH WIRE FABRIC SHALL CONFORM TO ASTM A185 SPECIFICATION FOR WELDED WIRE FABRIC FOR CONCRETE REINFORCEMENT.
      (3) REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318) AND THE STANDARD MANUAL (ACI 315).
      (4) BAR SUPPORTS AND SPACERS FOR REBAR SHALL BE PROVIDED IN ACCORDANCE WITH ACI 315. CHAIRS WITH 22 GA. SAND PLATES SHALL BE PROVIDED FOR ALL REBAR IN SLABS ON GRADE.
      (5) WHERE LAPPED SPLICES IN REINFORCING OCCUR, THE MINIMUM LAP SHALL BE MADE AS FOLLOWS UNLESS NOTED OTHERWISE:
         a. VERTICAL REINFORCING: 30 BAR DIA. OR 24" MINIMUM.
         b. HORIZONTAL REINFORCING: 30 BAR DIA. OR 24" MINIMUM.
         c. HORIZONTAL CORNER BARS: 30 BAR DIA. OR 24" MINIMUM.
      (6) CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:
         a. FOOTINGS: 3" FROM BOTTOM AND SIDES.
         b. STEM WALLS: CENTERED AND 2" FROM TOP AND BOTTOM.
         c. SLABS ON GROUND: AS SHOWN
      (7) THE CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT ALL REBAR IS PROPERLY ALIGNED AND TIED IN PLACE BEFORE PLACING CONCRETE. ALL COLUMN, WALL DOWELS AND VERTICAL STEEL SHALL BE ACCURATELY LOCATED AND SECURED IN PLACE SO THAT IT REMAIN IN POSITION DURING THE CONCRETE PLACING OPERATION. ANY REBAR FOUND TO BE IMPROPERLY INSTALLED SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.
      (8) ALL HORIZONTAL REINFORCING IN FOOTINGS, WALLS AND BEAMS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP A MINIMUM OF 30 BAR DIAMETERS OR 24" MINIMUM.
      (9) FORM TIES SHALL BE EITHER OF THE THREADED OR SNAP OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1" OF THE SURFACE OF THE WALL. FOLLOWING REMOVAL OF FORM TIES, RECESSES ARE TO BE CAREFULLY FILLED AND POINTED WITH MORTAR.

C. STRUCTURAL AND MISCELLANEOUS STEEL:
   (1) ALL STRUCTURAL AND MISCELLANEOUS STEEL MEMBERS, SHAPES AND CONNECTION SHALL CONFORM TO ASTM A36.
   (2) THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE ARCHITECTURAL DRAWINGS FOR ALL MISCELLANEOUS STEEL.
   (3) BOLTS SHALL CONFORM TO ASTM A325 TENSION CONTROL BOLTS UNLESS NOTED OTHERWISE, WITH SIZES AS SHOWN ON THE DRAWINGS. ANCHOR BOLTS EMBEDDED IN CONCRETE OR MASONRY SHALL BE ASTM A307 BOLTS OR A36 THREADED BARS.
   (4) ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS AND SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS OF THE AWS AND AISC. INSPECT ALL WELDING IN ACCORDANCE WITH THE SPECIFICATIONS.
   (5) ALL TUBE STEEL MEMBERS SHALL BE ASTM 500 GRADE B 46 KSI.

D. COLD FORMED METAL STUDS:
   (1) COLD FORMED METAL STUDS SHALL CONFORM TO AISI DESIGN MANUAL LATEST EDITION
   (2) ALL METAL STUD FRAMING SHALL BE OF THE SIZE, TYPE, THICKNESS AND SPACING SHOWN ON THE DRAWINGS AND MANUFACTURED PER ASTM C–995.
   (3) ALL 16 GA. AND HEAVIER METAL STUDS, TRACK, BRIDGING, ETC, SHALL BE FORMED FROM STEEL THAT CONFORMS TO THE REQUIREMENTS OF ASTM A–563 WITH A YIELD STRENGTH 50 KSI.
   (4) CUTTING OF METAL MAY BE ACCOMPLISHED WITH A SAW OR SHEAR. TORCH CUTTING OF MEMBERS IS NOT PERMITTED.
   (5) CONNECTION OF METAL MAY BE ACCOMPLISHED WITH SELF–DRILLING SCREWS UNLESS NOTED OTHERWISE ON DRAWINGS.
   (6) METAL BARED BY WELDING SHALL BE TOUCHED UP WITH ZINC RICH PAINT.
   (7) VERTICAL AND HORIZONTAL ALIGNMENT SHALL BE WITHIN 1/960TH (1/8"IN 10'–0") OF THE SPAN.
   (8) SPACING OF STUDS SHALL NOT BE MORE THAT + OR – 1/8" FROM THE DESIGNED SPACING.
   (9) SPLICING OF METAL STUDS SHALL NOT BE PERMITTED.

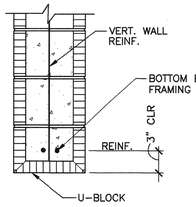
E. MASONRY:
   (1) ALL MASONRY UNITS SHALL BE TYPE I UNITS WITH TYPE S MORTAR. F'm=1900 PSI FULLY GROUTED ON THE NET AREA, AND f'm=1500 PSI FULLY GROUTED ON GROSS AREAS.
   (2) ALL CELLS SHALL BE SOLID GROUTED FROM TOP TO BOTTOM OF THE WALL. CLEANOUTS SHALL BE PROVIDED AT THE BOTTOM OF WALLS AT ALL CELLS TO BE GROUTED WHERE GROUT EXCEEDS 4'–0" IN HEIGHT.
   (3) LAP ALL BARS 40 DIAMETERS OR 24" MINIMUM UNLESS OTHERWISE NOTED.
   (4) CONTRACTOR RESPONSIBLE FOR LATERAL BRACING OF CMU WALL DURING CONSTRUCTION.

SITE GRADING AND EARTHWORK:

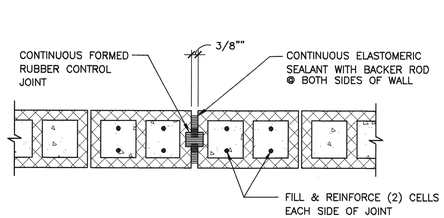
A. INSPECTION: THE CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER WHO WILL INSPECT THE PLACEMENT OF THE ENGINEERED FILL. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF ANY FIELD OPERATION REQUIRING ENGINEERED FILL.

B. FOUNDATION PREPARATION:
   BUILDING AREAS SHALL BE COMPLETELY STRIPPED OF VEGETATION, PAVEMENTS, WALLS, AND SOFT OR MUDDY AREAS.
   (1) THE EXISTING SOIL IN THE BUILDING PAD AREAS SHALL BE OVEREXCAVATED TO A DEPTH AS SHOWN IN THE OVEREXCAVATION DETAIL ON THIS SHEET. THE EXPOSED SOILS SHALL THEN BE MOISTENED TO A NEAR OPTIMUM MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D–1557
   (2) ALL SCARIFICATION AND REMOVALS SPECIFIED HEREIN SHALL EXTEND TO A DISTANCE OF AT LEAST THREE FEET BEYOND ALL FOOTING EDGES.
   (3) SOIL UTILIZED FOR FILLING SHALL CONSIST OF APPROVED ON–SITE OR IMPORTED SOIL.
   (4) ANY IMPORTED SOILS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER FOR BOTH EXPANSIVE AND STRENGTH QUALITIES PRIOR TO IMPORTATION TO THE PROJECT SITE. FINAL ACCEPTANCE OF ANY IMPORTED SOIL WILL BE BASED ON OBSERVATION OF THE SOIL ACTUALLY DELIVERED TO THE SITE.
   (5) ALL FILL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY.
   (6) THE MAXIMUM DENSITY OF ALL SOILS SHALL BE DETERMINED IN ACCORDANCE WITH A.S.T.M. TEST METHOD D–1557.
   (7) ALL FILL SHALL BE PLACED WITH A MOISTURE CONTENT OF NEAR OPTIMUM (+/–3%).

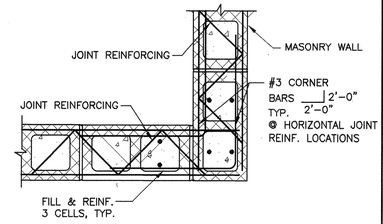
C. SITE DRAINAGE:
   POSITIVE SURFACE DRAINAGE AWAY FROM BOTH EXISTING STRUCTURES AND NEW FOUNDATION EXCAVATIONS SHOULD BE PROVIDED DURING CONSTRUCTION. A MINIMUM OF FOUR PERCENT GRADIENT WITHIN THE FIRST TEN FEET AWAY FROM STRUCTURES IN AREAS NOT PROTECTED BY SIDEWALKS AND PAVEMENT SHALL BE MAINTAINED.



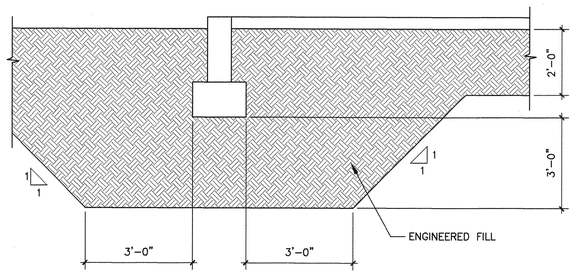
MASONRY LINTEL DETAIL
SCALE: NTS



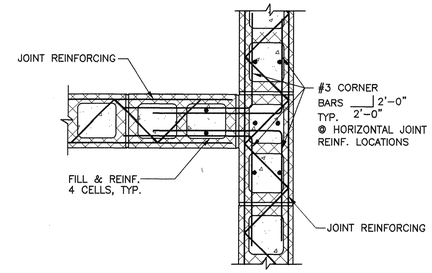
MASONRY WALL CONTROL JOINT DETAIL
SCALE: NTS



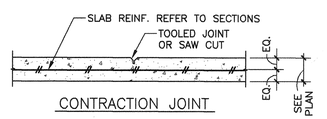
MASONRY WALL DETAIL AT CORNERS
SCALE: NTS



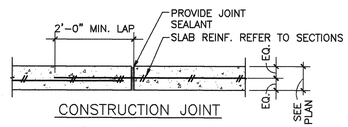
OVEREXCAVATION DETAIL
SCALE: NTS



MASONRY WALL DETAIL AT INTERSECTIONS
NOT TO SCALE

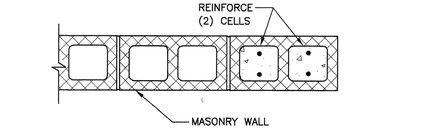


CONTRACTION JOINT

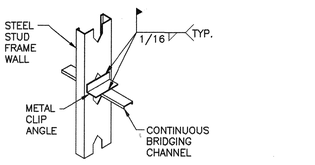


CONSTRUCTION JOINT

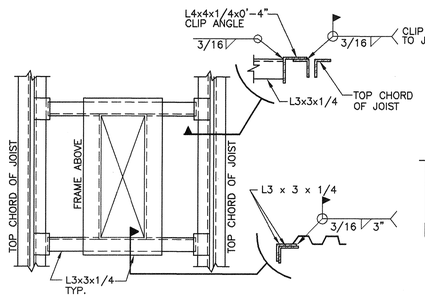
CONCRETE SLAB JOINT DETAIL
NOT TO SCALE



MASONRY WALL DETAIL AT JAMBS AND OPENINGS
NOT TO SCALE

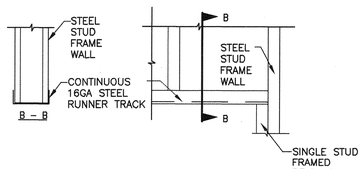


HORIZ. BRIDGING DETAIL
NOT TO SCALE



ROOF PENETRATION DTL. AT OPENINGS LARGER THAN 1'-6" SQ. OR 1'-6" DIAMETER
NOT TO SCALE

NOTE: SEE MECHANICAL DRAWINGS FOR OPENING SIZES AND LOCATIONS



INTERIOR NON-LOAD BEARING HEADER DETAIL @ OPENINGS UP TO 6'-0" WIDE
NOT TO SCALE

QPEC
QUIROGA – PFEIFFER ENGINEERING CORPORATION

AS BUILT INFORMATION
CONTRACTOR K.L. Houser DATE 2-04
WORK STAKED BY K.L. Houser DATE
ACCEPTANCE By DATE
VERIFICATION By DATE
DRAWINGS CORRECTED By DATE
MICRO–FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
DAVID G. GRABIEL NEW MEXICO 14826 REGISTERED PROFESSIONAL ENGINEER
04/28/04

No.	Remarks	By	Date
1	11/17/04 Building Permit/Review Comments	DMH	04/28/04
	REVISIONS		
	DESIGN		04/28/04
Designed By	T. BOSEY		04/28/04
Drawn By	R. RODRIGUEZ		
Checked By	D. GRABIEL		

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
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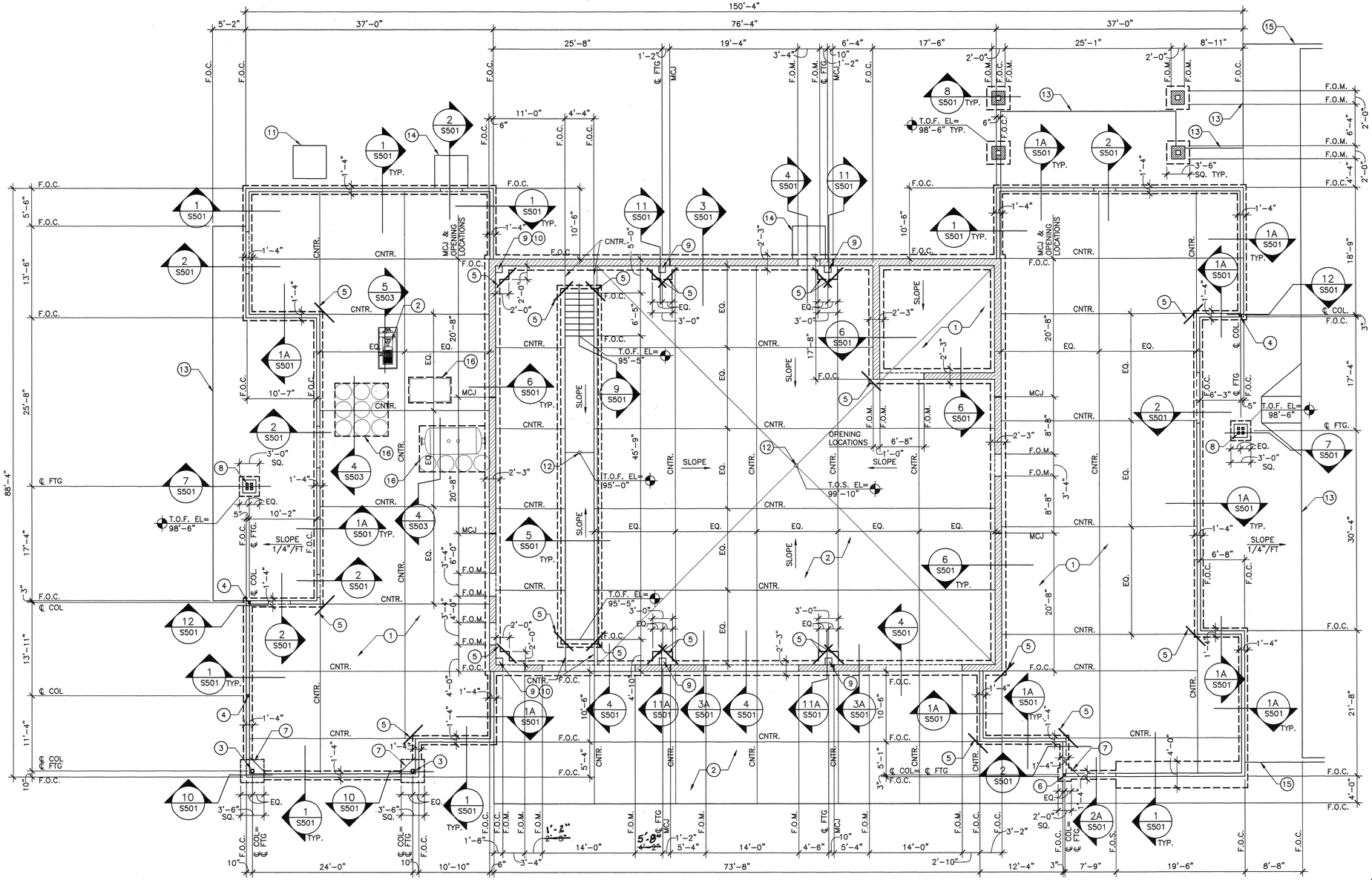
URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
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ALBUQUERQUE, NM 87110
(505) 855–7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
GENERAL STRUCTURAL NOTES & MISC. DETAILS

Design Review Committee
APPROVED JUL –9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL –9 2004 CITY ENGINEER
Last Design Update Mo./Day/Yr. Mo./Day/Yr.

City Project No. 5922-13 | Zone Map No. N15 | Sheet 3 | Of 44 | Dwg. S001



GENERAL NOTES

1. TOP OF FOOTING ELEVATION IS AT 98'-6" UNLESS NOTED OTHERWISE
2. FOR ADDITIONAL FLOOR DRAIN LOCATIONS SEE ARCHITECTURAL DRAWINGS

KEYED NOTES ◯

1. 4", 3000psi CONCRETE SLAB-ON-GROUND W/4x4-W1.4xW1.4 WWF CENTERED IN SLAB
2. 12", 4000psi CONCRETE SLAB ON GROUND W/#4 BARS @ 10" O.C. EACH DIRECTION CENTERED IN SLAB
3. HSS 6x6x½ COLUMN
4. HSS 4x4x⅜ COLUMN
5. #4 BARx3'-0" LONG PLACED DIAGONALLY AND CENTERED IN SLAB-ON-GROUND
6. HSS 3x3x⅜ COLUMN W/ 4"x12"x¾" L-SHAPED BASEPLATE HAVING (4) ⅝" DIA. A307 ANCHORBOLTS EMBEDDED 9" MINIMUM INTO FOOTING
7. SLAB BLOCKOUT AROUND COLUMN
8. (4) HSS 4x4x¼ COLUMNS, SPACED @ 12" FROM CENTERLINE OF COLUMN TO CENTERLINE OF COLUMN EA. DIRECTION
9. FOUNDATION & PIER FOR FUTURE 5 TON CRANE
10. REINFORCE FOUNDATION AND PIER PER SECTION 11/S501
11. 6", 4000psi CONCRETE PAD W/#3 BARS AT 12" O.C. EACH DIRECTION 3" CLEAR FROM BOTTOM OF SLAB. SEE MECHANICAL DRAWINGS FOR LOCATION
12. FLOOR DRAIN, SEE ARCHITECTURAL DRAWINGS FOR LOCATION. SLOPE CONCRETE TO DRAIN AS INDICATED
13. 4", 4000psi CONCRETE SLAB-ON-GROUND W/FIBERGLASS FIBER REINFORCING. PROVIDE CONTROL JOINTS 8'-0" O.C. MAX. EACH DIRECTION. SEE ARCHITECTURAL DRAWINGS FOR JOINT LOCATIONS
14. 4", 4000psi CONCRETE STOOP W/ FIBERGLASS FIBER REINFORCING. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION
15. ALIGN EDGE OF CONCRETE SLAB/ CURBING WITH PARKING LOT, SEE CIVIL DRAWINGS FOR LOCATION
16. FOUNDATION FOR PLUBMING/MECHANICAL EQUIPMENT SEE SHEET SF1.02 FOR SIZE AND LOCATION

LEGEND

	8" MASONRY WALL
	12" MASONRY WALL
	6" COLD FORMED STRUCTURAL STEEL STUD WALL
F.O.C.	FACE OF CONCRETE
MCJ	MASONRY CONTROL JOINT, SEE SHEET S001 FOR REQUIREMENTS
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
T.O.F.	TOP OF FOOTING
T.O.S.	TOP OF SLAB
CNTR	CONCRETE SLAB CONTROL JOINT, SEE SHEET S001 FOR REQUIREMENTS

A1	FOUNDATION PLAN	
1/8"=1'-0"	S101	F.F. FLR. EL=100'-0"=5314.50'

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

0' 4' 8' 24'

QPEC
QUIROGA - PFEIFFER
ENGINEERING CORPORATION

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 12/2004
WORK STAKED BY K.L. House
INSPECTOR'S ACCEPTANCE BY DATE
VERIFICATION BY DATE
CORRECTED BY YMA DATE 1/4/05
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
DAVID G. GRABIEL, STATE OF NEW MEXICO, 12326, REGISTERED PROFESSIONAL ENGINEER
04/28/04

No.	By	Date	Remarks
	DMH	04/28/04	DESIGN
		04/28/04	REVISIONS
1		11/17/04	Building Permit/Review Comments

Designed By T. BOSEY
Drawn By R. RODRIGUEZ
Checked By D. GRABIEL

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6501 AMERICAS PARKWAY, NE
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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

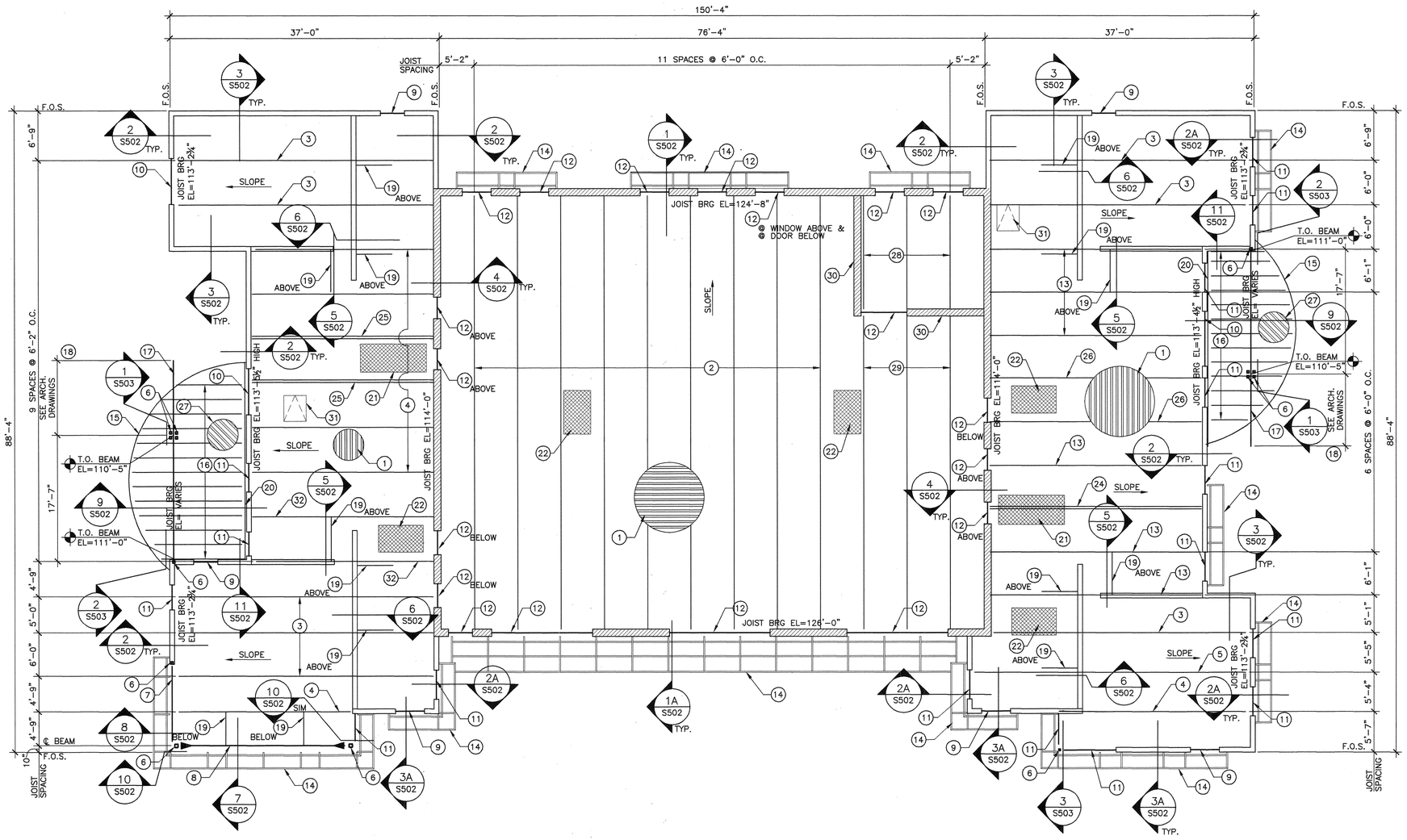
TITLE: **SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING FOUNDATION PLAN**

Design Review Committee
APPROVED JUL -9 2004 REVIEW COMMITTEE
APPROVED JUL -9 2004 CITY ENGINEER

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	4	44	S101



B1	ROOF FRAMING PLAN	
1/8"=1'-0"	S102	F.F. FLR. EL=100'-0"=5314.50'

0' 4' 8' 24'

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

GENERAL NOTES

1. FOR MASONRY WALL CONTROL JOINT LOCATIONS, SEE SHEET S501, FOR REQUIREMENTS SEE SHEET S001

KEYED NOTES ○

1. 1½" TYPE B, 22GA PAINTED METAL DECK, THREE SPAN MINIMUM W/(7) ⅝"ø PUDDLE WELDS @ SUPPORTS PER PANEL WIDTH AND (10) #10 TEK SCREWS PER SPAN @ SIDE LAPS. MINIMUM DECK SECTION PROPERTIES SHALL BE: I=0.169in⁴ , +S=0.186in³ , −S=0.192in³
2. 40LH8 JOISTS W/(4) ROWS OF 1½"x1½"x7/64" BOLTED DIAGONAL BRIDGING EQUALLY SPACED ALONG JOIST SPAN
3. 26K5 JOIST W/(3) ROWS OF 1¼"x1¼"x7/64" HORIZONTAL BRIDGING EQUALLY SPACED ALONG JOIST SPAN
4. 18K3 JOISTS W/(2) ROWS OF 1¼"x1¼"x7/64" HORIZONTAL BRIDGING EQUALLY SPACED ALONG JOIST SPAN
5. 24K7 JOIST W/(3) ROWS OF 1¾"x1¾"x7/64" HORIZONTAL BRIDGING EQUALLY SPACED ALONG JOIST SPAN
6. HSS COLUMN, SEE FOUNDATION PLAN FOR REQUIREMENTS
7. W8x10 STEEL BEAM
8. W18x40 STEEL BEAM
9. (2) 1⅝"x6"x20GA HEADER BEAM
10. (2) 1⅝"x12"x16GA HEADER BEAM
11. (2) 1⅝"x8"x16GA HEADER BEAM
12. MASONRY KNOCKOUT BOND BEAM LINTEL @ TOP OF OPENING W/(2) #4 BARS. EXTEND REINFORCING 24" PAST OPENING EA. SIDE
13. 18K4 JOISTS W/(3) ROWS OF 1¼"x1¼"x7/64" HORIZONTAL BRIDGING EQUALLY SPACED ALONG JOIST SPAN
14. PREENGINEERED/PREMANUFACTURED ALUMINUM CANOPY STRUCTURE, SEE ARCHITECTURAL DRAWINGS FOR REQUIREMENTS
15. RADIUSED STEEL PLATE SUB FACIA, SEE SECTIONS ON SHEET S502 FOR STRUCTURAL REQUIREMENTS, SEE ARCHITECTURAL DRAWINGS FOR GEOMETRIC REQUIREMENTS
16. HSS 6x2x5/16 JOISTS @ 2'-0" O.C.
17. SLOPED HSS12x8x5/16 BEAM
18. END OF BEAM
19. ANGLE BRACE LOCATION, SEE SECTIONS ON SHEET S502 FOR REQUIREMENTS
20. HSS6x4x5/16 LEDGER AT SLOPE TO MATCH HSS12x8 BEAM OPPOSITE, SEE SECTION 9/S502 FOR REQUIREMENTS
21. MECHANICAL UNIT, 1600lbs MAX
22. MECHANICAL UNIT, 600lbs MAX. SEE SHEET S001 FOR ROOF PENETRATION FRAMING REQUIREMENTS
23. ANGLE BRACE SUPPORT, SEE SECTION 8/S502 FOR REQUIREMENTS
24. DOUBLE 18K4 JOISTS
25. DOUBLE 18K3 JOISTS
26. 20K4 JOIST W/(3) ROWS OF 1¼"x1¼"x7/64" HORIZONTAL BRIDGING EQUALLY SPACED ALONG JOIST SPAN
27. 2", 26GA STANDING SEAM METAL ROOF SYSTEM W/#10 TEK SCREWS @ 12" O.C. AT ALL SUPPORTS AND SIDELAPS. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS
28. 10K1 JOISTS W/(2) ROWS OF 1¼"x1¼"x7/64" HORIZONTAL BRIDGING EQUALLY SPACED ALONG JOIST SPAN
29. 30K8 JOISTS W/(3) ROWS OF 1¼"x1¼"x7/64" HORIZONTAL BRIDGING EQUALLY SPACED ALONG JOIST SPAN
30. MASONRY WALL SHALL EXTEND TO UNDERSIDE OF METAL DECKING
31. ROOF HATCH, SEE SHEET 001 FOR ROOF PENETRATION FRAMING REQUIREMENTS
32. 16K4 JOIST W/(2) ROWS OF 1¼"x1¼"x7/64" HORIZONTAL BRIDGING EQUALLY SPACED ALONG JOIST SPAN

LEGEND

- 12" MASONRY WALL
- 6" COLD FORMED STRUCTURAL STEEL STUDWALL
- F.O.S — FACE OF STUD
- MOMENT FRAME CONNECTION

SURVEY INFORMATION — BENCH MARKS — AS BUILT INFORMATION

FIELD NOTES

No.	By	Date
2050	URS	8/02

"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

CONTRACTOR K.L. House DATE 2-3-05
WORK STAKED BY K.L. House
INSPECTOR'S ACCEPTANCE BY — DATE
AS-BUILT SURVEY BY — DATE
VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE

ENGINEER'S SEAL

DANIEL G. GRABIEL — STATE OF NEW MEXICO — 13608 — REGISTERED PROFESSIONAL ENGINEER — 10/08/04

No.	By	Remarks	Date
1	DH	11/17/04 Building Permit/Review Comments	04/28/04

REVISIONS

Designed By T. BOSEY — DESIGN — Date 04/28/04
Drawn By R. RODRIGUEZ — Date 04/28/04
Checked By D. GRABIEL — Date 04/28/04

SMPC ARCHITECTS
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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE:
SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING ROOF FRAMING PLAN

Design Review Committee

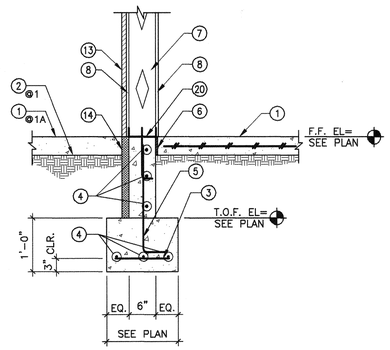
APPROVED JUL -9 2004 DESIGN REVIEW COMMITTEE

APPROVED JUL -9 2004 CITY ENGINEER

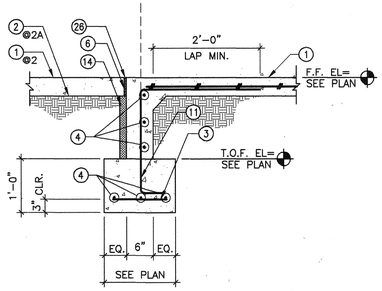
Last Design Update — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	5	44	S102

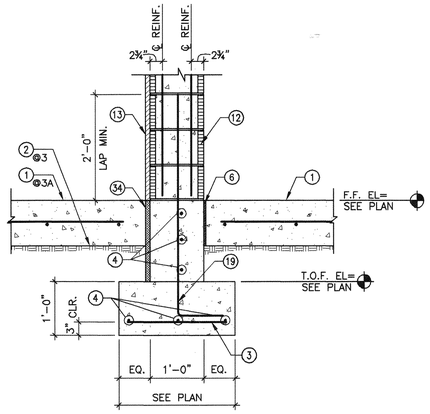
QPEC
QUIROGA - PFEIFFER ENGINEERING CORPORATION



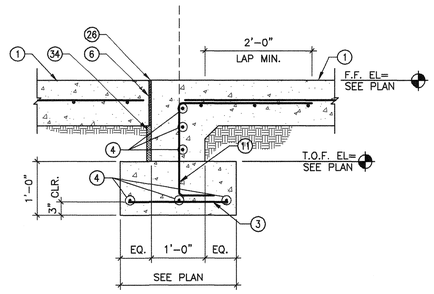
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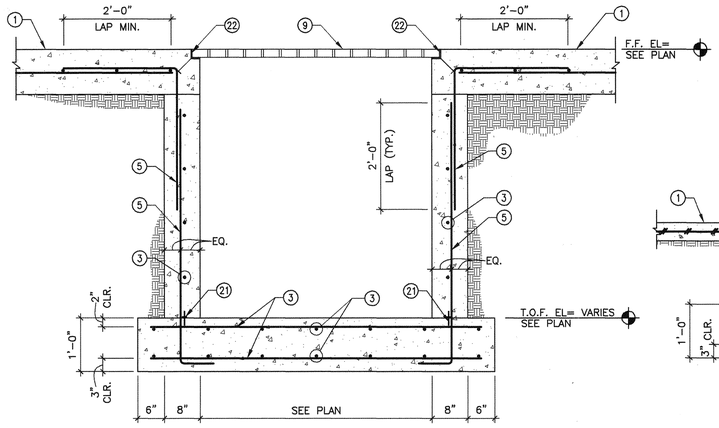
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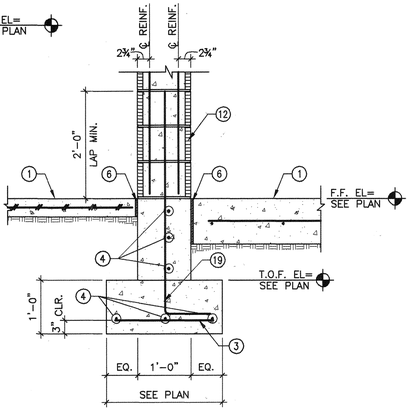
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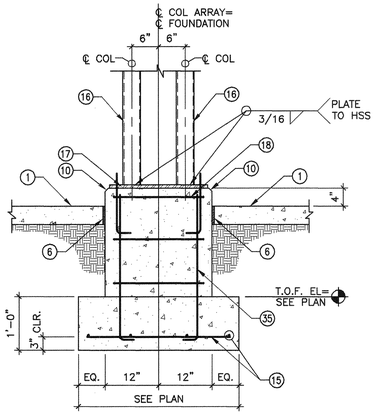
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SCALE: 3/4"=1'-0"



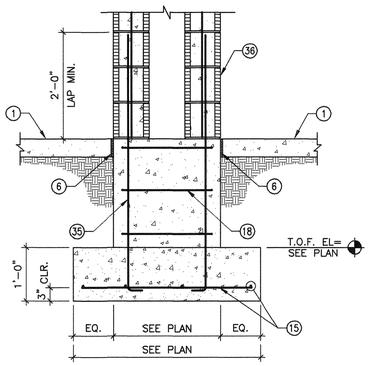
5 S501 SECTION
SCALE: 3/4"=1'-0"



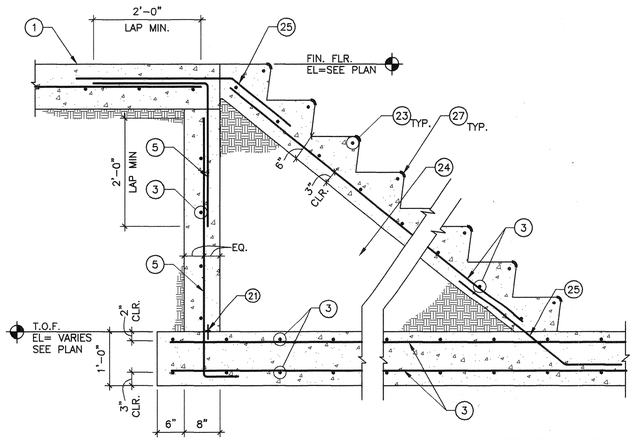
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7 S501 SECTION
SCALE: 3/4"=1'-0"

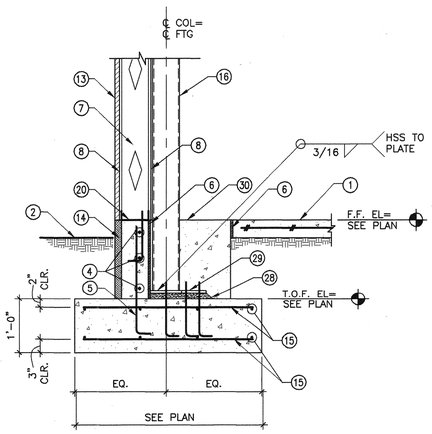


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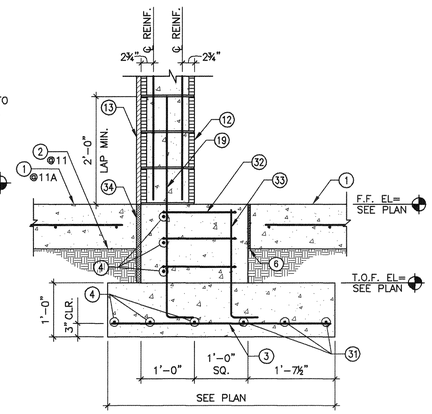


NOTE: FOR STAIR DIMENSIONS SEE ARCH. DRAWINGS

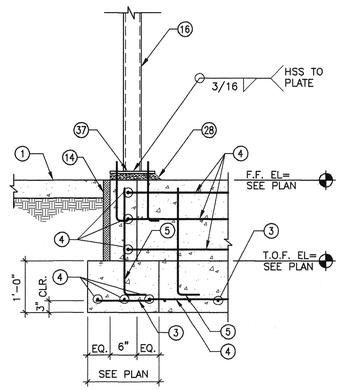
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SCALE: 3/4"=1'-0"



10 S501 SECTION
SCALE: 3/4"=1'-0"



11 S501 11A S501 SECTION
SCALE: 3/4"=1'-0"



12 S501 SECTION
SCALE: 3/4"=1'-0"

KEYED NOTES

1. SLAB-ON-GROUND, SEE FOUNDATION PLAN FOR REQUIREMENTS
2. FINISHED GRADE
3. #4 BARS @ 12" O.C.
4. (3) #4 BARS CONTINUOUS
5. #4 DOWEL @ 12" O.C. CENTERED IN WALL
6. ½" EXPANSION JOINT MATERIAL
7. 1⅝"x6"x18GA STEEL STUDS @ 16" O.C.
8. ⅝"GYP. BOARD SHEATHING BLOCKED W/No.6 x1" DRYWALL SCREWS AT 4" @ PANEL EDGES AND AT INTERMEDIATE SUPPORTS
9. 1¾"x⅜" GALVANIZED STEEL BAR GRATING WITH BEARING BARS SPACED 1" O.C. AND CROSS BARS SPACED @ 4" O.C. BARS SHALL BE PLACED SUCH THAT THEY ARE IN REMOVABLE PANELS 1'-0" WIDE
10. ¾" CHAMFER
11. #4 DOWEL @ 12" O.C. CENTERED IN STEM WALL AND SLAB. FIELD BEND INTO SLAB AS INDICATED
12. 12" SOLID GROUTED MASONRY WALL W/9 GAGE DUROWALL TRUSS REINFORCING @ 16" O.C. HORIZONTAL IN MORTAR JOINTS AND (2) #5 BARS @ 8" O.C. VERTICAL PLACED WITHIN MASONRY CELLS AS INDICATED
13. 1" EIFS EXTERIOR INSULATION FINISH SYSTEM. SEE ARCHITECTURAL DRAWINGS FOR REQUIREMENTS
14. 1½" RIGID INSULATION, SEE ARCH. DRAWINGS FOR REQUIREMENTS
15. (4) #5 BARS EQUALLY SPACED EA. DIRECTION
16. HSS COLUMN, SEE FOUNDATION PLAN FOR REQUIREMENTS
17. 1'-10" SQ.x ¾" THICK BASEPLATE W/(4) ⅞" DIA. A307 ANCHOR BOLTS EMBEDDED 9" MIN. INTO FOOTING
18. (3) #3 STIRRUPS AROUND ANCHOR BOLTS, EQUALLY SPACED WITHIN PEDESTAL HEIGHT
19. #5 DOWELS @ 16" O.C. CENTERED IN WALL
20. 16GA CONTINUOUS TRACK W/½"ø ANCHOR BOLTS 12" FROM CORNERS OF WALLS & DOOR JAMBS AND AT 4'-0" O.C. EMBED ANCHOR BOLTS IN CONCRETE 9" MIN.
21. 6" BULB TEE CONTINUOUS WATERSTOP CENTERED IN WALL
22. L2x2x¼ GALVANIZED CONTINUOUS ANGLE W/½"ø x 4" LONG H.A.S. @ 24" O.C.
23. (1)#3 NOSING BAR
24. ENGINEERED FILL COMPACTED PER REQUIREMENTS ON SHEET S001
25. #4 DOWEL @ 12" O.C. CENTERED IN SLAB
26. ELASTOMERIC JOINT SEALANT
27. METAL STAIR NOSING, SEE ARCHITECTURAL DRAWINGS FOR REQUIREMENTS
28. 1½" NONSHRINK LEVELING GROUT
29. 7"x14"x1" L-SHAPED BASEPLATE W/ (4) ⅞"DIA. A307 ANCHORBOLTS EMBEDDED 9" MIN. INTO FOOTING
30. SLAB BLOCKOUT AROUND COLUMN
31. (3) #4 BARS EQUALLY SPACED BEYOND CONTINUOS REINFORCING
32. (3) #3 STIRRUPS EQUALLY SPACED IN PEDESTAL HEIGHT
33. (2) #5 DOWELS 2" CLEAR FROM SIDE OF PEDESTAL
34. 1" RIGID INSULATION, SEE ARCH. DRAWINGS FOR REQUIREMENTS
35. (4) #5 DOWELS 4" CLEAR FROM SIDES OF PEDESTAL
36. 8" SOLID GROUTED MASONRY COLUMN W/9 GAGE DUROWALL TRUSS REINFORCING @ 16" O.C. HORIZONTAL IN MORTAR JOINTS AND (1) #5 BAR @ EACH CORNER OF COLUMN CENTERED IN THE MASONRY CELL
37. 6"x10"x¾" BASEPLATE W/ (2) ⅞"DIA. A307 ANCHORBOLTS EMBEDDED 9" MIN. INTO STEMWALL

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 12-20-04
WORK STAKED BY K.L. House
INSPECTORS ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
DAVID G. GRABIEL, STATE OF NEW MEXICO, 13983, REGISTERED PROFESSIONAL ENGINEER
12/8/04

No.	By	Remarks	Date
1	DMH	Building Permit / Review Comments	04/28/04
		REVISIONS	
		DESIGN	Date 04/28/04
Designed By	T. BOSEY		
Drawn By	R. RODRIGUEZ		Date 04/28/04
Checked By	D. GRABIEL		Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
TELE. (505) 255-8668 FAX (505) 268-8665

URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855-7500

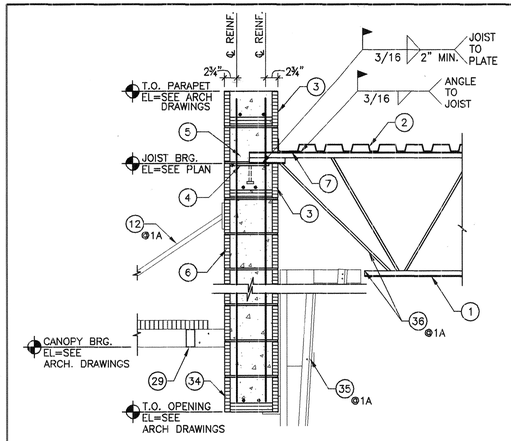
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
FOUNDATION SECTIONS

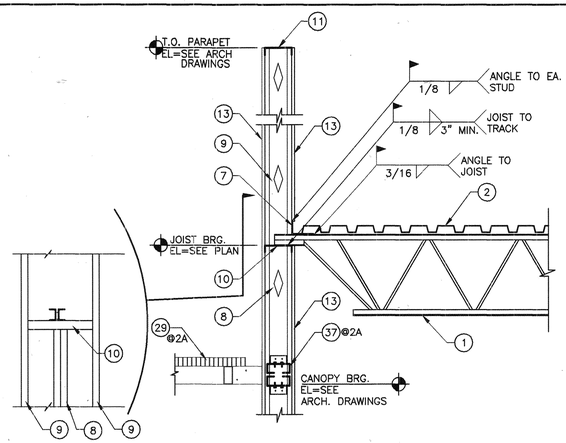
Design Review Committee
APPROVED JUL -9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL -9 2004 CITY ENGINEER
Last Design Update Mo./Day/Yr. Mo./Day/Yr.

City Project No. 5922-13 | Zone Map No. N15 | Sheet 6 Of 44 | Dwg. S501

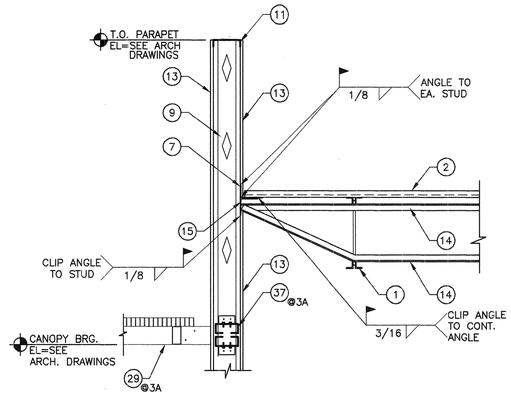
QPEC
QUIROGA - PFEIFFER ENGINEERING CORPORATION



1 S502 1A S502 SECTION
SCALE: 3/4"=1'-0"



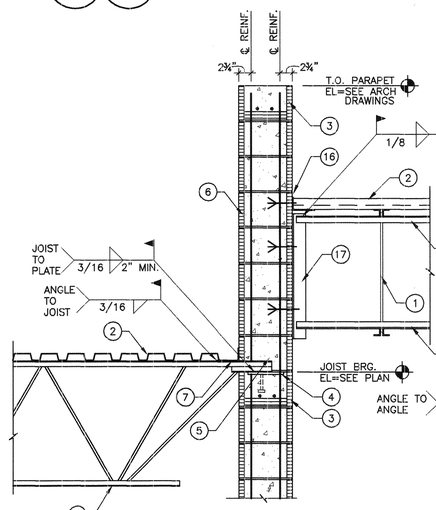
2 S502 2A S502 SECTION
SCALE: 3/4"=1'-0"



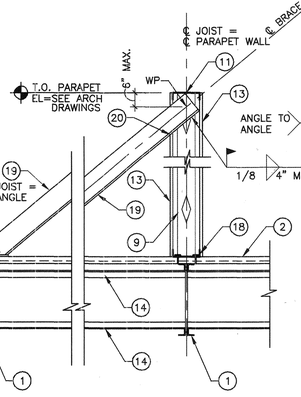
3 S502 3A S502 SECTION
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KEYED NOTES ○

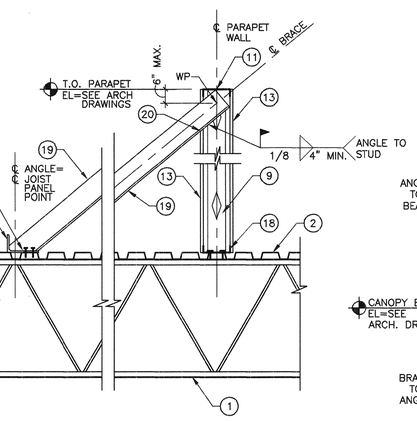
1. STEEL BAR JOIST, SEE FRAMING PLAN FOR REQUIREMENTS
2. METAL DECK, SEE FRAMING PLAN FOR REQUIREMENTS
3. KNOCKOUT MASONRY BOND BEAM W/(2) #5 BARS CONTINUOUS
4. 8"x8"x⅜" STEEL BEARING PLATE W/(1) ½"ø x4" LONG H.A.S.
5. PROVIDE BLOCKOUT IN MASONRY WALL AT STEEL JOIST BEARING LOCATION
6. 12" SOLID GROUTED MASONRY WALL W/9GAGE DUROWALL TRUSS REINFORCING @ 16" O.C. HORIZONTAL IN MORTAR JOINTS AND (2) #5 BARS @ 8" O.C. VERTICAL PLACED WITHIN MASONRY CELLS AS INDICATED.
7. L5x3½x¼ LLV CONTINUOUS DECK CLOSURE ANGLE. PROVIDE 3/16" BUTT WELD FOR BOTH LEGS OF ANGLE AT ALL SPLICE LOCATIONS
8. (2) 1⅝"x6"x18GA STEEL STUDS CENTERED BELOW JOIST BEARING
9. 1⅝"x6"x18GA STEEL STUDS @ 16" O.C.
10. 16GA TRACK. CONNECT TO VERTICAL STUDS W/(3) #10 TEK SCREWS EA. FACE/ EACH SIDE
11. 16GA CONTINUOUS TRACK
12. STRUT FOR ALUMINUM CANOPY. STRUT AND ITS CONNECTIONS SHALL BE DESIGNED AND PROVIDED BY THE CANOPY MANUFACTURER
13. ⅝" GYP BOARD SHEATHING BLOCKED W/No.6x1" DRYWALL SCREWS @ 4" O.C. AT ALL PANEL EDGES AND INTERMEDIATE SUPPORTS
14. JOIST BRIDGING, SEE FRAMING PLAN FOR REQUIREMENTS
15. L4x4x¼x1'-0" ANGLE AT BRIDGING LOCATION
16. L5x3½x¼ LLH CONTINUOUS DECK CLOSURE ANGLE W/⅝"ø EXPANSION ANCHORS @ 24" O.C. EMBEDDED 4" MIN.
17. L3x3½x¼ ANGLE AT JOIST BRIDGING LOCATIONS. ATTACH TO MASONRY WALL W/(3) ½"ø EXPANSION ANCHORS EMBEDDED 4" MIN.
18. 16GA CONTINUOUS TRACK W/(2) #10 TEK SCREWS @ 12" O.C.
19. L5x5x⅜ ANGLE BRACE, SEE ROOF FRAMING PLAN FOR LOCATIONS
20. PROVIDE BLOCKOUT IN SHEATHING AT ANGLE BRACE LOCATION
21. L7x4x⅜x1'-4" LLH CENTERED OVER STEEL JOIST OR STEEL JOIST PANEL LOCATION. CONNECT TO METAL DECK W/(6)#12 TEK SCREWS
22. STEEL BEAM, SEE PLAN FOR REQUIREMENTS
23. L4x4x¼ CONTINUOUS ANGLE
24. L7x4x⅜ LLV CONT. ANGLE. LOCATE ANGLE 4" ABOVE SUSPENDED CEILING ELEVATION
25. HSS JOIST, SEE FRAMING PLAN FOR REQUIREMENTS
26. METAL ROOFING, SEE FRAMING PLAN FOR REQUIREMENTS
27. ⅜"x7" RADIUSED STEEL SUB FASCIA SEE ARCH. DRAWINGS FOR RADIAL DIMENSION
28. TS6x4x5/16 LEDGER W/(1) ½"ø A325N BOLT, NUT AND WASHER ASSEMBLY @ 32" O.C. PROVIDE HOLE IN FACE OF TUBE FOR ACCESS TO BOLT. USE PLASTIC COVER TO COVER HOLE AFTER BOLT INSTALLATION
29. PREENGINEERED/PREMANUFATURED ALUMINUM CANOPY STRUCTURE. SEE ARCH DRAWINGS FOR GEOMETRIC CONFIGURATION. CANOPY CONNECTION TO STRUCTURE SHALL BE DESIGNED AND PROVIDED BY THE CANOPY MANUFACTURER
30. HSS COLUMN, SEE PLAN FOR REQUIREMENTS
31. ⅜" SHEAR PLATE W/(5)¾"ø A325 THRU BOLTS
32. 13"LONG x 7" WIDE x ¾" THICK MOMENT TRANSFER PLATE
33. 7"LONG x 7" WIDE x ¾" THICK MOMENT TRANSFER PLATE
34. MASONRY LINTEL, SEE FRAMING PLAN FOR REQUIREMENTS
35. OVERHEAD DOOR SUPPORT BEYOND
36. HOLD FIRST WEB MEMBER AND BOTTOM CHORD OF JOIST AWAY FROM WALL ENOUGH TO ACCOMMODATE THE OVERHEAD DOOR AND ITS SUPPORTS
37. (2)1⅝"x6"x18GA BLOCKING AT CANOPY LOCATIONS. CONNECT BLOCKING TO STUD W/2"x2"x14GA x 6" LONG CLIP ANGLE. CONNECT CLIP ANGLE TO STUD AND BLOCKING WITH (4)#12 TEK SCREWS EA. END OF BLOCKING
38. L7x4x⅜ LLH AT STEEL JOIST PANEL LOCATION
39. ⅜" CAP PLATE
40. 6"x¼" CONTINUOUS RADIAL DECK CLOSURE PLATE. WELD TO EA. JOIST W/5/16" FILLET WELD
41. 7½"x7½"x⅜" BEARING PLATE. PROVIDE (4)½"ø A325 THRU BOLTS
42. ⅜" THICK x 12" DEEP CORBEL PLATE EA. SIDE OF HSS COLUMN



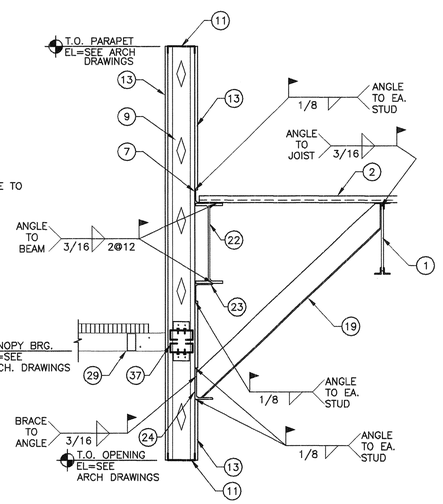
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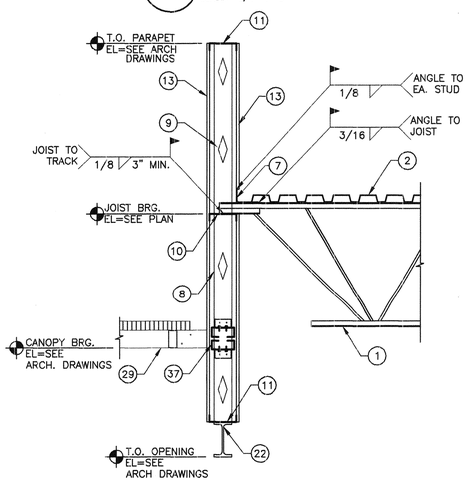
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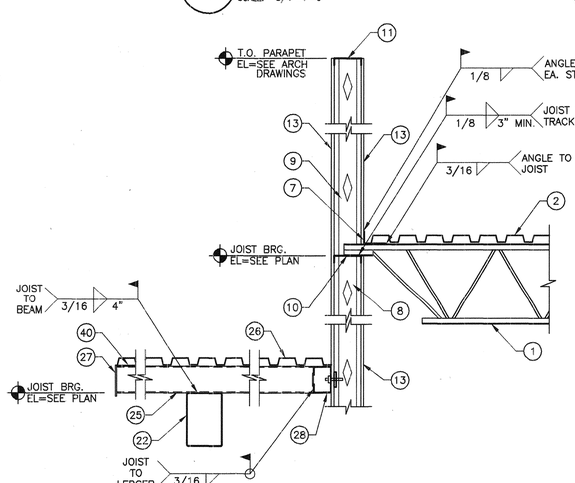
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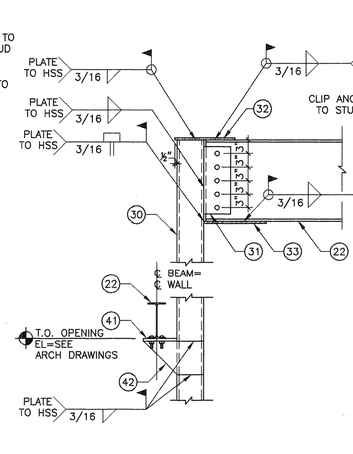
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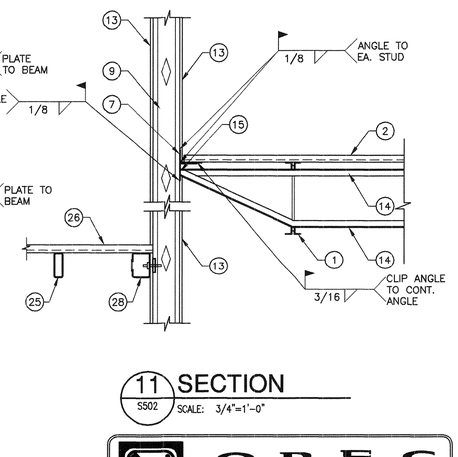
8 S502 SECTION
SCALE: 3/4"=1'-0"



9 S502 SECTION
SCALE: 3/4"=1'-0"



10 S502 SECTION
SCALE: 3/4"=1'-0"



11 S502 SECTION
SCALE: 3/4"=1'-0"

QPEC
QUIROGA - PFEIFFER
ENGINEERING CORPORATION

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E. 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE
WORK DIRECTED BY
INSPECTOR'S ACCEPTANCE BY DATE
FINAL VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
D. G. GRABIEL
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
04/29/04

No.	Remarks	By	Date
1	11/17/04 Building Permit Review Comments DMH		
	REVISIONS		
	DESIGN	Designed By T. BOSEY	04/28/04
		Drawn By R. RODRIGUEZ	04/28/04
		Checked By D. GRABIEL	04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
TELE. (505) 255-8668 FAX (505) 268-8665

URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855-7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

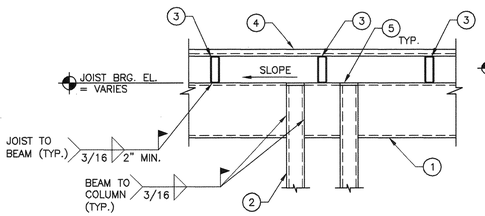
TITLE:
SUNPORT JET-A FUEL FARM
ROOF FRAMING SECTIONS

Design Review Committee
APPROVED JUL -9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL - 9 2004 CITY ENGINEER

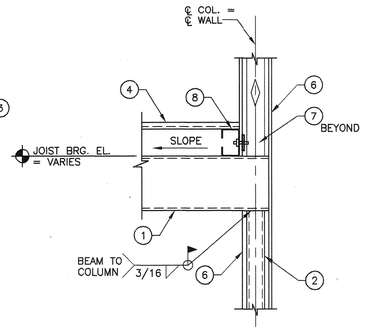
Last Design Update

No./Day/Yr.	No./Day/Yr.

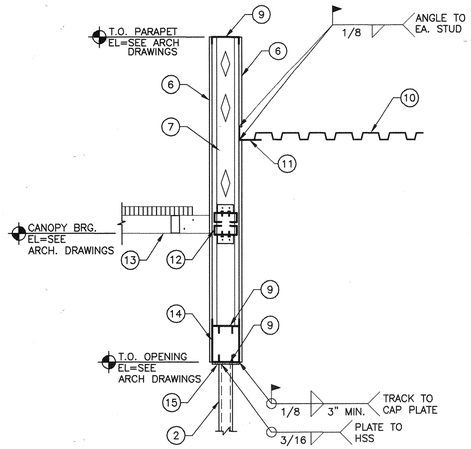
City Project No. 5922-13 | Zone Map No. N15 | Sheet 7 Of 44 | Dwg. S502



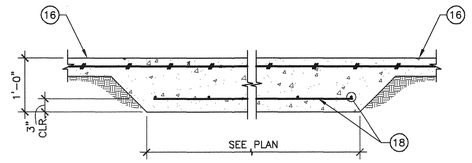
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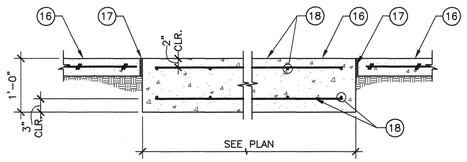
2 SECTION
S503 SCALE: 3/4"=1'-0"



3 SECTION
S503 SCALE: 3/4"=1'-0"



4 SECTION
S503 SCALE: 3/4"=1'-0"



5 SECTION
S503 SCALE: 3/4"=1'-0"

KEYED NOTES ○

1. STEEL BEAM, SEE PLAN FOR REQUIREMENTS
2. HSS COLUMN, SEE PLAN FOR REQUIREMENTS
3. HSS JOIST, SEE FRAMING PLAN FOR REQUIREMENTS
4. METAL ROOFING, SEE FRAMING PLAN FOR REQUIREMENTS
5. ⅜" CAP PLATE
6. ⅝" GYP BOARD SHEATHING BLOCKED W/No.6x1" DRYWALL SCREWS @ 4" O.C. AT ALL PANEL EDGES AND INTERMEDIATE SUPPORTS
7. 1⅝"x6"x18GA STEEL STUDS @ 16" O.C.
8. TS6x4x5/16 LEDGER W/(1) ¾"ø A325N BOLT, NUT AND WASHER ASSEMBLY @ 32" O.C. PROVIDE HOLE IN FACE OF TUBE FOR ACESS TO BOLT. USE PLASTIC COVER TO COVER HOLE AFTER BOLT INSTALLATION
9. 16GA CONTINUOUS TRACK
10. METAL DECK, SEE FRAMING PLAN FOR REQUIREMENTS
11. L5x3x5/16 LLV CONTINUOUS DECK CLOSURE ANGLE. PROVIDE 3/16" BUTT WELD FOR BOTH LEGS OF ANGLE AT ALL SPLICE LOCATIONS
12. (2)1⅝"x6"x18GA BLOCKING AT CANOPY LOCATIONS. CONNECT BLOCKING TO STUD W/2"x2"x14GA x 6" LONG CLIP ANGLE. CONNECT CLIP ANGLE TO STUD AND BLOCKING WITH (4)#12 TEK SCREWS EA. END OF BLOCKING
13. PREENGINEERED/PREMANUFATURED ALUMINUM CANOPY STRUCTURE. SEE ARCH DRAWINGS FOR GEOMETRIC CONFIGURATION. CANOPY CONNECTION TO STRUCTURE SHALL BE DESIGNED AND PROVIDED BY THE CANOPY MANUFACTURER
14. LIGHT GAGE STEEL HEADER, SEE FRAMING PLAN FOR REQUIREMENTS
15. 6"x12"x¾" L-SHAPED COLUMN CAP PLATE.
16. SLAB-ON-GROUND, SEE FOUNDATION PLAN FOR REQUIREMENTS
17. ½" EXPANSION JOINT MATERIAL
18. #4 BARS @ 12" O.C. EW

SURVEY INFORMATION

FIELD NOTES

No.	By	Date
2050	URS	8/02

BENCH MARKS

"1-N16 RESET", AN ACS ALUMINUM CAP APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

AS BUILT INFORMATION

CONTRACTOR K.L. House DATE 7/26/04
WORK STAKED BY K.L. House DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

ENGINEER'S SEAL

DAVID G. GRABIEL — STATE OF NEW MEXICO — 13329 — REGISTERED PROFESSIONAL ENGINEER
7/26/04

No.	Remarks	By	Date
1	11/17/04 Building Permit/Review Comments	DMH	04/28/04

REVISIONS

DESIGN

Designed By T. BOSEY Date 04/28/04
Drawn By R. RODRIGUEZ Date 04/28/04
Checked By D. GRABIEL Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
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URS
ONE PARK SQUARE
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QUIROGA - PFEIFFER
ENGINEERING CORPORATION

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
ROOF FRAMING SECTIONS

Design Review Committee
APPROVED JUL - 9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL - 9 2004 CITY ENGINEER

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

City Project No. 5922-13 | Zone Map No. N15 | Sheet 8 | Of 44 | Dwg. S503

DOOR SCHEDULE

NO.	QTY	DOOR SIZE W	SIZE H	SIZE T	MAT.	TYPE	FRAME MAT.	FRAME TYPE	PROFILE DEPTH	DETAIL H	DETAIL J	DETAIL S	FIRE RATING UL INC.	HDWR SET NO.	*REMARKS
100	1	3'-0"	7'-0"	1-3/4	ALUM	1	ALUM	A	4½"	G1/A701	G5/A701 G7/A701	G9/A701	–	–	
101	1	3'-0"	7'-0"	1-3/4	ALUM	1	ALUM	A SIM.	4½"	E5/A702	–	G9/A701	–	–	
102	1	3'-0"	7'-0"	1-3/4	WOOD	2	HM	B	6"	K11/A701	K11/A701	–	–	–	
103	1	3'-0"	7'-0"	1-3/4	WOOD	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
104	1	3'-0"	7'-0"	1-3/4	HM	3	HM	B	8¾"	K1/A701	K3/A701	K5/A701	–	–	
105	1	3'-0"	7'-0"	1-3/4	WOOD	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
106	1	3'-0"	7'-0"	1-3/4	WOOD	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
107	1	3'-0"	7'-0"	1-3/4	WOOD	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
108	1	3'-0"	7'-0"	1-3/4	WOOD	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
109	1	3'-0"	7'-0"	1-3/4	HM	3	HM	C	6"	L3/A702	L5/A702	K5/A701	90 MIN	–	
110	1	3'-0"	7'-0"	1-3/4	WOOD	3	HM	D	6"	K11/A701	K11/A701	–	–	–	
111	1	3'-0"	7'-0"	1-3/4	WOOD	2	HM	B	6"	K11/A701	K11/A701	–	–	–	
112	1	3'-0"	7'-0"	1-3/4	WOOD	2	HM	B	6"	K11/A701	K11/A701	–	–	–	
113	1	3'-0"	7'-0"	1-3/4	WOOD	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
114	1	3'-0"	7'-0"	1-3/4	WOOD	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
115	1	3'-0"	7'-0"	1-3/4	WOOD	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
116	1	3'-0"	7'-0"	1-3/4	WOOD	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
117	1	3'-0"	7'-0"	1-3/4	WOOD	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
118	1	3'-0"	7'-0"	1-3/4	ALUM	1	ALUM	E	4½"	G1/A701	G3/A701	G9/A701	–	–	
119	1	14'-0"	12'-0"	–	STEEL	–	–	–	–	E1/A702	E3/A702	–	–	–	
120	2	3'-0"	7'-0"	1-3/4	HM	3	HM	C	6"	L3/A702 SIM.	L5/A702 SIM.	–	90 MIN	–	1
121	1	14'-0"	12'-0"	–	STEEL	–	–	–	–	E1/A702	E3/A702	–	–	–	
121A	1	3'-0"	7'-0"	1-3/4	HM	3	HM	C	6"	K7/A701	K9/A701	K5/A701	–	–	
122	1	14'-0"	12'-0"	–	STEEL	–	–	–	–	E1/A702	E3/A702	–	–	–	
122A	1	3'-0"	7'-0"	1-3/4	HM	3	HM	C	6"	K7/A701	K9/A701	L5/A701	–	–	
123	1	3'-0"	7'-0"	1-3/4	HM	3	HM	C	6"	L3/A702	L5/A702	K5/A701	90 MIN	–	
125	1	3'-0"	7'-0"	1-3/4	HM	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
126	1	3'-0"	7'-0"	1-3/4	HM	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
127	1	3'-0"	7'-0"	1-3/4	HM	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
128	1	3'-0"	7'-0"	1-3/4	HM	3	HM	B	8¾"	K1/A701	K3/A701	K5/A701	–	–	
128A	1	3'-0"	7'-0"	1-3/4	HM	2	HM	B	6"	K11/A701	K11/A701	–	–	–	
129	1	3'-0"	7'-0"	1-3/4	HM	3	HM	B	8¾"	K1/A701	K3/A701	K5/A701	–	–	
130	1	3'-0"	7'-0"	1-3/4	HM	3	HM	C	6"	L3/A702	L5/A702	K5/A701	90 MIN	–	
130A	1	3'-0"	7'-0"	1-3/4	HM	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
131	1	3'-0"	7'-0"	1-3/4	HM	3	HM	B	6"	K11/A701	K11/A701	–	–	–	
132	2	3'-0"	7'-0"	1-3/4	HM	3	HM	B	8¾"	K1/A701	K3/A701	K5/A701	–	–	
132A	1	2'-4"	7'-0"	1-3/4	HM	3	HM	B	6"	K11/A701 SIM.	K11/A701 SIM.	–	–	–	
133	2	3'-0"	7'-0"	1-3/4	HM	3	HM	B	8¾"	K1/A701	K3/A701	K5/A701	–	–	
133A	1	3'-0"	7'-0"	1-3/4	HM	3	HM	B	8¾"	K1/A701	K3/A701	K5/A701	–	–	

DOOR SCHEDULE REMARKS

1. CENTER DOOR FRAME IN WALL (DEPTH).

HARDWARE SCHEDULE

DOOR NO.	FINISH	BUTTS: HAGER (1½ PAIR UNLESS NOTED) TYPE	BUTTS: HAGER (1½ PAIR UNLESS NOTED) SIZE	LOCKSET: YALE	HARDWARE CLOSER: NORTON	HARDWARE ELECTRIC STRIKE: VON DUPRIN	HARDWARE STOP: HAGER	HARDWARE KICK / MOP PLATES: HAGER	HARDWARE FLUSH BOLTS: GLYNN–JOHNSON	HARDWARE DUMMY TRIM: YALE	WEATHERSTRIPPING SILENCERS: HAGER	WEATHERSTRIPPING STRIPPING: HAGER	WEATHERSTRIPPING THRESHOLD: HAGER	WEATHERSTRIPPING DOOR BOTTOM: HAGER	*REMARKS
100	US26D	*	*	PB5408LN X 5210	*	*	–	–	–	–	–	*	*	*	1, 10
101	US26D	*	*	PB5421LN X 5210	*	6212 X FS X 12VDC	236W	–	–	–	–	*	*	–	1, 9, 10
102	US26D	BB1168	4.5 X 4.5	PB5401LN	8501BF AL X SN	–	236W	190S 12" X 2" LDW *	–	–	–	862S	626S	–	3
103	US26D	BB1279	4.5 X 4.5	PB5401LN	–	–	267F	(2) 190S 4" X 2" LDW	–	–	307D	–	–	–	
104	US26D	BB1168	4.5 X 4.5	PB5405LN X 5210	P8501BF AL X SN	*	–	190S 12" X 2" LDW	–	–	–	862S	626S	778S	10
105	US26D	BB1168	4.5 X 4.5	*	P8501BF AL X SN	–	–	190S 12" X 2" LDW *	–	–	307D	–	–	–	3, 4
106	US26D	BB1279	4.5 X 4.5	PB5405LN X 5210	8501BF AL X SN	–	236W	190S 12" X 2" LDW *	–	–	307D	–	–	–	3
107	US26D	BB1168	4.5 X 4.5	*	P8501BF AL X SN	–	–	190S 12" X 2" LDW *	–	–	307D	–	–	–	3, 4
108	US26D	BB1279	4.5 X 4.5	PB5405LN X 5210	8501BF AL X SN	–	–	190S 12" X 2" LDW *	–	–	307D	–	–	–	3
109	US26D	BB1168	4.5 X 4.5	PB5421LN X 5210	P8501BF AL X SN	6212 X FSE X 12VDC *	236W	190S 12" X 2" LDW *	–	–	–	2525B*	626S	779S	2, 3, 5
110	US26D	BB1279	4.5 X 4.5	PB5404LN X 5210	–	–	236W	(2) 190S 4" X 2" LDW	–	–	307D	–	–	–	
111	US26D	BB1168	4.5 X 4.5	PB5401LN	8501BF AL X SN	–	236W	190S 12" X 2" LDW *	–	–	307D	–	–	–	3
112	US26D	BB1279	4.5 X 4.5	PB5404LN X 5210	–	–	236W	(2) 190S 4" X 2" LDW	–	–	307D	–	–	–	
113	US26D	BB1279	4.5 X 4.5	PB5404LN X 5210	–	–	236W	(2) 190S 4" X 2" LDW	–	–	307D	–	–	–	
114	US26D	BB1279	4.5 X 4.5	PB5404LN X 5210	–	–	236W	(2) 190S 4" X 2" LDW	–	–	307D	–	–	–	
115	US26D	BB1279	4.5 X 4.5	PB5404LN X 5210	–	–	236W	(2) 190S 4" X 2" LDW	–	–	307D	–	–	–	
116	US26D	BB1279	4.5 X 4.5	PB5404LN X 5210	–	–	236W	(2) 190S 4" X 2" LDW	–	–	307D	–	–	–	
117	US26D	BB1279	4.5 X 4.5	PB5404LN X 5210	–	–	236W	(2) 190S 4" X 2" LDW	–	–	307D	–	–	–	
118	US26D	*	*	PB5421LN X 5210	*	6212 X FS X 12VDC *	267F	–	–	–	–	*	*	*	1, 12
119	–	–	–	–	*	*	–	–	–	–	–	*	–	–	6
120	US26D	BB1168	4.5 X 4.5	PB5401LN	8501BF AL X SN	–	236W	190S 12" X 2" LDW *	GJ FB6	PB455LN	–	2525B*	–	–	2, 3
121	–	–	–	*	*	–	–	–	–	–	–	*	–	–	6
121A	US26D	BB1168	4.5 X 4.5	PB5405LN X 5210	P8501BF AL X SN	*	–	190S 12" X 2" LDW *	–	–	–	862S	626S	778S	10
122	–	–	–	*	*	–	–	–	–	–	–	*	–	–	6
122A	US26D	BB1168	4.5 X 4.5	PB5408LN X 5210	P8501BF AL X SN	*	–	190S 12" X 2" LDW *	–	–	–	862S	626S	778S	3, 10
123	US26D	BB1168	4.5 X 4.5	PB5402LN	P8501BF AL X SN	–	236W	190S 12" X 2" LDW *	–	–	–	2525B*	626S	779S	2, 3
125	US26D	BB1168	4.5 X 4.5	PB5402LN	P8501BF AL X SN	–	236W	190S 12" X 2" LDW *	–	–	307D	–	–	–	3
126	US26D	BB1168	4.5 X 4.5	PB5402LN X 5210	8501BF AL X SN	–	236W	190S 12" X 2" LDW *	–	–	307D	–	–	–	3
127	US26D	BB1279	4.5 X 4.5	PB5401LN	–	–	236W	(2) 190S 4" X 2" LDW	–	–	307D	–	–	–	
128	US26D	BB1168	4.5 X 4.5	PB5408LN X 5210	P8501BF AL X SN	*	–	190S 12" X 2" LDW	–	–	–	862S	626S	778S	10
128A	US26D	BB1168	4.5 X 4.5	PB5401LN	8501BF AL X SN	–	236W	190S 12" X 2" LDW *	–	–	307D	–	626S		
129	US26D	BB1168	4.5 X 4.5	PB5407LN X 5210	8501BF AL X SN	–	236W	190S 4" X 2" LDW	–	–	–	862S	626S	778S	
130	US26D	BB1168	4.5 X 4.5	PB5404LN X 5210	P8501BF AL X SN	–	236W	190S 12" X 2" LDW *	–	–	–	2525B*	626S	779S	2, 3
130A	US26D	BB1279	4.5 X 4.5	PB5404LN X 5210	–	–	236W	(2) 190S 4" X 2" LDW	–	–	307D	–	–	–	
131	US26D	BB1279	4.5 X 4.5	PB5421LN X 5210	P8501BF AL X SN	6212 X FS X 12VDC *	236W	(2) 190S 4" X 2" LDW	–	–	307D	–	–	–	5
132	US26D	BB1168*	(3) 4.5 X 4.5	*	(2) 8501BF AL X SN	–	–	–	–	(2)PB455LN	–	862S	626S	778S	5, 7, 8, 11
132A	US26D	BB1279	4.5 X 4.5	PB5401LN	–	–	236W	–	–	–	307D	–	–	–	
133	US26D	BB1168*	(3) 4.5 X 4.5	*	(2) 8501BF AL X SN	–	–	–	–	(2)PB455LN	–	862S	626S	778S	5, 7, 8, 11
133A	US26D	BB1168*	4.5 X 4.5	*	P8501BF AL X SN	–	–	–	–	–	–	862S	626S	778S	13

HARDWARE SCHEDULE REMARKS

1. BALANCE OF DOOR HARDWARE BY ALUM. STOREFRONT SUPPLIER.
2. SMOKE SEAL STRIPPING BY NATIONAL GUARD.
3. IN ADDITION TO KICKPLATE ON PUSH SIDE, PROVIDE 4" X 2" LDW MOP PLATE ON PULL SIDE.
4. INSTALL HAGER PUSH PLATE 30S, 4" X 16" AND PULL W/ PLATE 39G, 4" X 16".
5. PROVIDE MATRIX SYSTEM MX CARD READER WITH HOOD, SECURITRON 2" PUSH BUTTON, AND SENTROL 3/4" STEEL DOOR CONTACT SENSOR. PROVIDE KNOCK–OUTS AS REQUIRED. SEE ELECTRICAL FOR ADDITIONAL REQUIREMENTS.
6. HARDWARE COMPLETE WITH DOOR.
7. REMOVABLE MULLION: VON DUPRIN 4954 BLANK MULLION
8. PROVIDE SDC 1291ADL 12VDC IN HEAD OF ACTIVE LEAF. PROVIDE ONE HAGER BB1168 X E1S ELECTRIC HINGE ON ACTIVE LEAF, CONNECT TO SDC BOLT LOCK.
9. INSTALL DOOR BELL BUTTON, REMOTE CHIMES (THREE LOCATIONS) AND ENTRY BUTTON, SEE ELECTRICAL.
10. PROVIDE KNOCK–OUTS AND ELECTRICAL ROUGH–IN INCLUDING CONDUIT, CARD READER/PUSH BUTTON BACK BOXES AND COVERS AS REQUIRED FOR FUTURE ELECTRIC DOOR HARDWARE (INCLUDING O.F.O.I. CARD READER, PUSH BUTTON, DOOR CONTACT SENSOR, ELECTRIC STRIKE), SEE ELECTRICAL FOR ADDITIONAL REQUIREMENTS.
11. EXIT DEVICE ON INACTIVE LEAF: VON DUPRIN RX9948 X 994L X 3216 WITH YALE 5210 REMOVABLE SECURITY CORE. PROVIDE ONE HAGER BB1168 X E1S ELECTRIC HINGE ON INACTIVE LEAF, CONNECT TO ELECTRIC EXIT DEVICE.
12. PROVIDE TWO MATRIX SYSTEM MX CARD READER WITH HOODS, AND SENTROL 3/4" STEEL DOOR CONTACT SENSOR. PROVIDE KNOCK–OUTS AS REQUIRED. SEE ELECTRICAL FOR ADDITIONAL REQUIREMENTS.
13. PROVIDE EXIT DEVICE: VON DUPRIN RX9948 X 994L X 3216 WITH YALE 5210 REMOVABLE SECURITY CORE. PROVIDE ONE HAGER BB1168 X E1S ELECTRIC HINGE, CONNECT TO ELECTRIC EXIT DEVICE.

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING FIN.	CEILING HEIGHT	CASEWORK TOP	CASEWORK CABNT	*REMARKS
100	VEST.	VCT*	VB	AL	AL	AL/PT	AL	AB	9'-0"	–	–	4
101	LOBBY	VCT*	VB	PT	AL/PT	AL/PT/WP*	PT	AB	9'-0"	PL–1	–	4, 8, 9
102	HALL	VCT*	VB	PT	PT	–	PT	AB	9'-0"	–	–	4
103	BREAK	VCT*	VB	EPT*	EPT	EPT	EPT	AB	9'-0"	PL–1	PL–2	4, 6
104	VESTIBULE	VCT*	VB	PT	PT	PT	PT	AB	9'-0"	–	–	4
105	WOMEN	CT	CB	CT*	CT*	CT*	CT*	WB	9'-0"	PL–1	–	5
106	JANITOR	CS	VB	EPT/WP*	EPT	EPT	EPT/WP*	ESP	–	–	–	1
107	MEN	CT	CB	CT*	CT*	CT*	CT*	WB	9'-0"	PL–1	–	5
108	FILE STORAGE	VCT*	VB	PT	PT	PT	PT*	AB	9'-0"	–	–	2, 4
109	HALL	VCT*	VB	PT/WP*	–	PT/WP*	PT*	AB	9'-0"	–	–	2, 4, 7, 9
110	RECEPTTION	CPT	VB	AL/PT	PT	PT	AL/PT	AB	9'-0"	PL–1	–	
111	HALL	VCT*	VB	–	PT/WP*	PT	PT	AB	9'-0"	–	–	4, 7, 9
112	TRAINING	CPT	VB	PT	PT	PT	PT*	AB	9'-0"	PL–1	PL–2	2
113	FIELD SUPERVISOR	CPT	VB	PT	PT	PT	PT	AB	9'-0"	–	–	
114	TRAINING OFFICE	CPT	VB	PT	PT	PT	PT*	AB	9'-0"	–	–	2
115	FUEL ACCOUNTING	CPT	VB	PT	PT	PT	PT	AB	9'-0"	–	–	
116	OPERATIONS MANAGER	CPT	VB	PT*	PT	PT	PT	AB	9'-0"	–	–	2
117	GENERAL MANAGER	CPT	VB	PT	PT	PT	PT	AB	9'-0"	–	–	
118	VESTIBULE	VCT*	VB	PT	PT	AL/PT	AL	AB	9'-0"	–	–	4
119	GS EQUIPMENT BAY	CP	VB	EPT*	EPT*	EPT*	–	ESP	–	–	–	3
120	MACHINE SHOP	CP	VB	EPT	EPT	EPT	EPT	ESP	–	–	–	
121	MAINTENANCE BAY	CP	VB	EPT*	–	EPT*	–	ESP	–	–	–	3
122	MAINTENANCE BAY	CP	VB	EPT*	–	EPT*	EPT*	ESP	–	–	–	3
123	HALL	VCT*	VB	PT	PT*	PT	PT	AB	9'-0"	–	–	2, 4
124	LOCKER	VCT*	VB	PT	PT*	–	PT	AB	9'-0"	–	–	2, 4
125	CHANGING	CT	CB	CT*	CT*	CT*	CT*	EPT	9'-0"	–	–	5
126	RESTROOM	CT	CB	CT*	CT*	CT*	CT*	WB	9'-0"	–	–	5
127	BREAK	VCT*	VB	EPT	EPT	EPT*	EPT	AB	9'-0"	PL–1	PL–2	4, 6
128	VESTIBULE	VCT*	VB	PT	PT	PT	PT	AB	9'-0"	–	–	4
129	LAB	CP	VB	EPT	EPT	EPT	EPT	EPT	9'-0"	ET–1	PL–2	
130	MAINTENANCE OFFICE	VCT*	VB	PT	PT*	PT	PT	AB	9'-0"	–	–	2, 4
131	CONTROL ROOM	VCT*	VB	PT	PT	PT	PT	AB	9'-0"	PL–1	–	4
132	FIRE FOAM	CS	–	EPT	EPT	EPT	EPT	ESP	–	–	–	
133	ELECTRICAL	CS	–	PT	PT	PT	PT	ESP	–	–	–	

ROOM FINISH SCHEDULE REMARKS

1. 48" W X 48" H, RAILROADED, RIGID VINYL WAINSCOT AT UTILITY SINK; WP–1; MOUNT DIRECTLY ABOVE TOP OF VINYL BASE. SEE B3/A602 FOR LOCATION.
2. PROVIDE 5/8" GYPSUM BOARD OVER CMU THIS WALL AND ALIGN WITH ADJACENT STUD/GYPSUM BOARD WALLS.
3. EPT–3 WAINSCOT TO 5'–0" AFF, EPOXY WALL PAINT EPT–2 ABOVE WAINSCOT, SEE B3/A602 FOR LOCATION.
4. SEE B3/A602 FOR VCT FLOOR PATTERNS AND COLOR LOCATION.
5. SEE A10/A602 FOR CT WALL PATTERNS AND COLOR LOCATION.
6. SEE B3/A602 FOR EPT ACCENT WALL LOCATION AND COLOR.
7. 48" H, RAILROADED, RIGID VINYL WAINSCOT ON NORTH & SOUTH WALL OF HALL #109; HALL #111–SIDE OF RECEPT. #110; WP–1; MOUNT DIRECTLY ABOVE TOP OF VINYL BASE. SEE B3/A602 FOR LOCATION.
8. 42" H, RIGID VINYL WAINSCOT ON SOUTH WALL OF LOBBY #101 (ADJACENT TO RECEPT.#110); WP–1; MOUNT FROM DIRECTLY ABOVE TOP OF VINYL BASE TO UNDERSIDE OF RECEPT. #110 TRANSACTION COUNTER. SEE B3/A602 FOR LOCATION.
9. CORNER GUARD; WP–2; USE AT ALL CORNER GUARD LOCATIONS ADJACENT TO WP–1; ALL CORNER GUARDS TO BE WP–3 UNLESS OTHERWISE NOTE; SEE B3/A602 FOR WP–2 LOCATIONS.

FINISH LEGEND

*REFER TO INTERIOR FINISH MATERIALS LEGEND IN PROJECT MANUAL FOR COLOR SELECTIONS.

FLOOR
- CP CONCRETE, PAINTED
- CS CONCRETE, SEALED
- CT CERAMIC TILE
- CPT CARPET
- VCT VINYL COMPOSITION TILE

BASE
- CB CERAMIC TILE BASE
- VB VINYL BASE

WALLS
- AL ALUMINUM KYNAR FINISH
- CT CERAMIC TILE
- EPT EPOXY PAINT
- PT LATEX PAINT
- WP RIGID VINYL WALL PROTECTION

CASEWORK
- ET EPTOXY TOP
- PL PLASTIC LAMINATE

CEILINGS
- AB ACOUSTICAL BOARD
- ESP EXPOSED STRUCTURE – PAINTED
- EPT GYPSUM BOARD – EPOXY PAINTED
- WB WASHABLE BOARD

SYMBOLS + ABBREVIATIONS

- A0/A000 — SECTION, ELEVATION
- A0/A000 — SECTION
- A0/A000 — DETAIL
- A0/A000 — ELEVATION
- 00000.A — MATERIAL KEYED NOTE (NUMBER REFERS TO SPECIFICATION)
- 000 — DOOR TYPE – SEE SHEET A701
- 0 — WINDOW TYPE – SEE SHEET A701
- ROOM NAME 101 — ROOM IDENTIFICATION
- X — PARTITION TYPE – SEE SHEET A501
- 00–0 — ROOM FINISH INFORMATION – SEE SHEET A001
- 1 — SUNSHADE TYPE – SEE SHEET A302

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

AS BUILT INFORMATION — CONTRACTOR K.L. House — DATE 2/2/06
BENCH MARKS — WORK STOPPED BY — DATE
"1–N16 RESET", AN ACS ALUMINUM CAP — ACCEPTANCE BY — DATE
APPROX. S 10° E, 1180 FT. FROM THE — FIELD VERIFICATION BY — DATE
INTERSECTION OF EXISTING ACCESS ROAD "B" — DRAWINGS — DATE
AND CLARK CARR BLVD; AND APPROX. 100 FT. — CHECKED BY — DATE
SSE OF A CHAIN LINK GATE ALIGNED EAST TO — MICRO–FILM INFORMATION — DATE
WEST. ELEV. = 5308.73 — RECORDED BY

SURVEY INFORMATION — FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL — STATE OF NEW MEXICO — DAVID M. HASSARD — No. 1467 — REGISTERED — 4-18-04

No.	By	Remarks	Date
1	DMH	Building Permit/Review Comments	04/28/04

REVISIONS

DESIGN — Date 04/28/04
Designed By D. HASSARD
Drawn By A. McGOEY — Date 04/28/04
Checked By D. HASSARD — Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
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URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855–7500

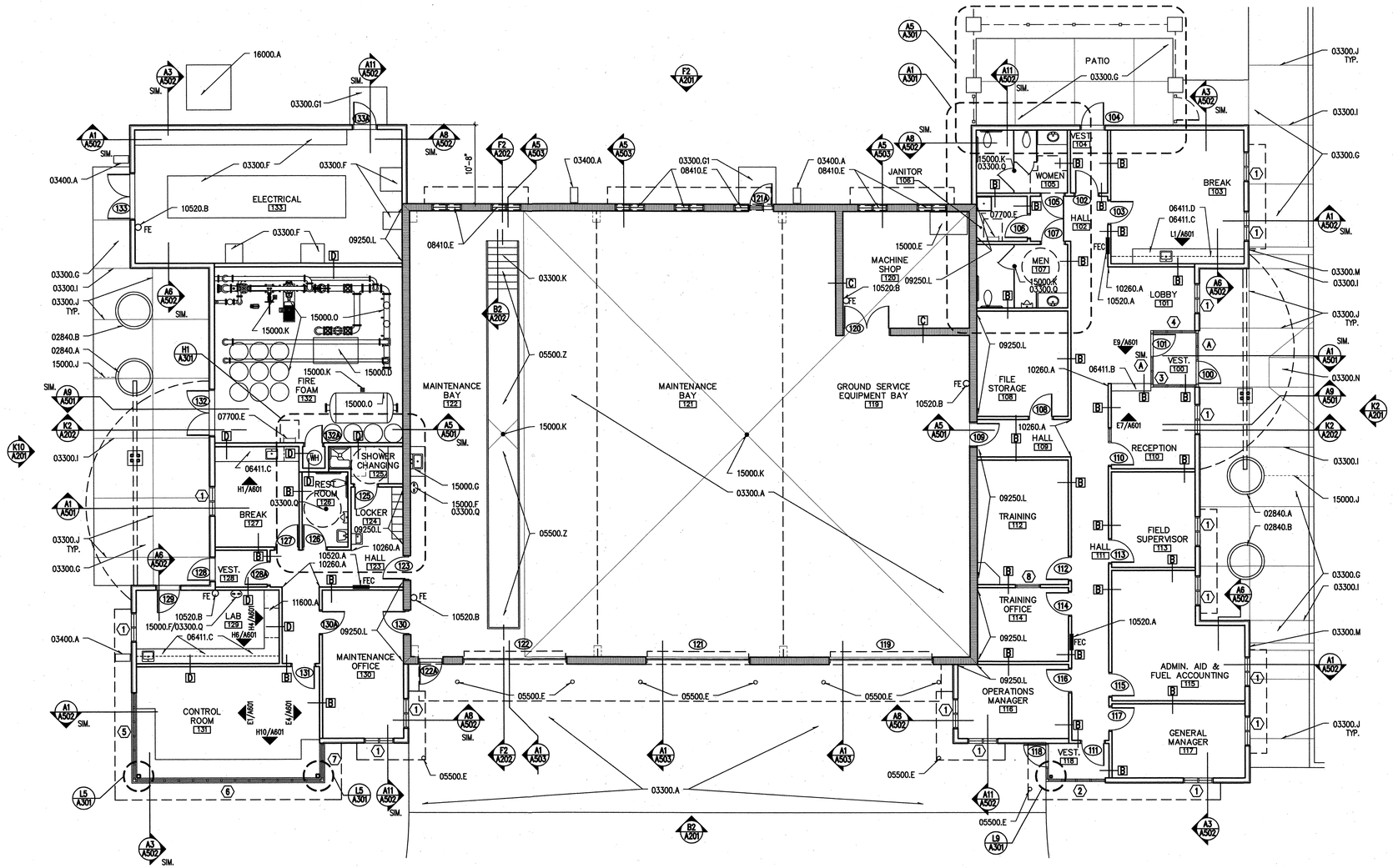
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
DOOR AND ROOM FINISH SCHEDULES

Design Review Committee — APPROVED — DESIGN REVIEW COMMITTEE
APPROVED — CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	9	44	A001

NAME: A001.dwg DATE: MAY 03, 2004 TIME: 8:32 AM PLOT SCALE: 1" = 1'



B3	FLOOR PLAN
1/8"=1'-0"	A101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

MATERIALS KEYING LEGEND

02840–WALK, ROAD, AND PARKING APPURTENANCES
- A. CONCRETE PLANTER, SEE DETAIL B5/A202
- B. CONCRETE PLANTER

03300–CAST–IN–PLACE CONCRETE
- A. CONCRETE SLAB, SEE STRUCTURAL
- F. 4" CONCRETE HOUSEKEEPING PADS, SEE ELECTRICAL
- G. 4" CONCRETE SLAB WITH FIBERMESH REINFORCEMENT
- G1. 5'–0" X 5'–0" X 4" THICK CONCRETE SLAB WITH FIBERMESH REINFORCEMENT
- I. ½" EXPANSION JOINT MATERIAL, SEE STRUCTURAL.
- J. CONTROL JOINT
- K. CONCRETE STAIRS, SEE STRUCTURAL
- M. TRENCH DRAIN AT ROOF DRAIN OUTLET, SEE DETAIL G10/A505
- N. CURB RAMP, SEE DETAIL A9/A301
- O. SLOPE FLOOR SLAB IN THIS AREA TO DRAIN

03400–PRECAST CONCRETE
- A. 12" X 24" CONCRETE SPLASH BLOCK AT ROOF DRAIN OUTLET

05500–METAL FABRICATIONS
- E. METAL BOLLARD, SEE DETAIL B8/A202
- Z. REMOVABLE BAR GRATING, SEE STRUCTURAL

06411–PLASTIC LAMINATE CASEWORK
- B. RECEPTION COUNTERTOP, SEE DETAIL K4/A504
- C. BASE CABINET
- D. UPPER CABINET

07700–ROOF SPECIALTIES AND ACCESSORIES
- E. ROOF HATCH AND LADDER, SEE DETAIL A8/A504

08410–ALUMINUM ENTRANCES AND STOREFRONTS
- E. CLERESTORY WINDOW, SEE REFLECTED CEILING PLAN ON A401 FOR LOCATIONS

09250–GYPSUM BOARD
- L. 5/8" TYPE 'X' GYPSUM BOARD, ADHERE TO CMU

10260–WALL PROTECTION
- A. CORNER GUARD

10520–FIRE PROTECTION SPECIALTIES
- A. FIRE EXTINGUISHER AND CABINET, SEMI–RECESSED
- B. FIRE EXTINGUISHER, BRACKET MOUNTED

11600–LABORATORY EQUIPMENT
- A. FUME HOOD, SEE MECHANICAL

15000–MECHANICAL
- D. COMPRESSOR, SEE MECHANICAL
- E. WELDING BOOTH, SEE MECHANICAL
- F. EYEWASH, SEE PLUMBING
- G. PREFABRICATED CABINET WITH SINK, SEE PLUMBING
- J. 3" DIAMETER PVC PIPE, CONTINUE UNDER SIDEWALK AND DRAIN THROUGH CURB INTO PARKING LOT / GRAVEL AREA
- K. FLOOR DRAIN, SEE MECHANICAL
- O. FIRE FOAM EQUIPMENT, SEE VOLUME I

16000–ELECTRICAL
- A. TRANSFORMER ON CONCRETE PAD, SEE ELECTRICAL

GENERAL NOTES

1. REFER TO PARTITION TYPES ON SHEET A501
2. REFER TO ROOM FINISH SCHEDUE AND FINISH LEGEND ON SHEET A001
3. REFER TO DOOR SCHEDULE ON SHEET A001
4. REFER TO WINDOW TYPES ON SHEET A701
5. FOR THE PURPOSES OF THESE DRAWINGS FINISH FLOOR HEIGHT OF 5314.50 ABOVE SEA LEVEL IS EQUAL TO 0'–0"

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 2/25
WORK STAKED BY K.L. House DATE
AS–BUILTING BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO–FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET" AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO
DAVID M. HASSARD
No. 1467
REGISTERED
4-28-04

No.	By	Date	Remarks
1	DMH	04/28/04	Building Permit/Review Comments

REVISIONS
DESIGN

Designed By D. HASSARD Date 04/28/04
Drawn By A. McGOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
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ALBUQUERQUE, NM 87110
(505) 855–7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE:
SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
FLOOR PLAN

Design Review Committee
APPROVED MAR 2004
DESIGN REVIEW COMMITTEE
APPROVED MAR 2004
CITY ENGINEER

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 5922-13 | Zone Map No. N15 | Sheet 10 Of 44 | Dwg. A101

NAME: A101.dwg DATE: NOV 12, 2004 TIME: 10:23 AM PLOT SCALE: 1" = 8'-0"

MATERIALS KEYING LEGEND

01710–COORDINATION
- A. ALIGN FACE OF FINISHES BETWEEN CMU AND METAL STUD WALLS
- B. ALIGN WALLS
- E. ALIGN WITH PARKING LOT, SEE CIVIL DRAWINGS IN VOLUME I

03300–CAST–IN–PLACE CONCRETE
- F. 4" CONCRETE HOUSEKEEPING PADS, SEE ELECTRICAL
- G1. 5'–0" X 5'–0" X 4" THICK CONCRETE SLAB WITH FIBERMESH REINFORCMENT

08410–ALUMINUM ENTRANCES AND STOREFRONTS
- E. CLERESTORY WINDOW, SEE REFLECTED CEILING PLAN ON A401 FOR LOCATIONS

GENERAL NOTES

1. DIMENSIONS ARE TO FACE OF MASONRY, FACE OF EXTERIOR STUDS, DOOR AND WINDOW FRAMES, AND TO CENTER LINE OF INTERIOR STUD UNLESS OTHERISE NOTED.
2. FOR THE PURPOSES OF THESE DRAWINGS FINISH FLOOR HEIGHT OF 5314.50 ABOVE SEA LEVEL IS EQUAL TO 0'–0"

B3	FLOOR PLAN
1/8"=1'–0"	A101

GRAPHIC SCALE: 1/8"=1'–0"

AS BUILT INFORMATION
CONTRACTOR K.L. Houser DATE 2-2-05
WORK STAKED BY K.L. Houser DATE
AS-BUILTS BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY MMA DATE 4/4/05
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET" AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO DAVID M. HASSARD No. 1467 REGISTERED ARCHITECT
4-28-04

No.	By	Remarks	Date
1	DMH	Building Permit/Review Comments	04/28/04

REVISIONS
DESIGN Date 04/28/04
Designed By D. HASSARD
Drawn By A. McGOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

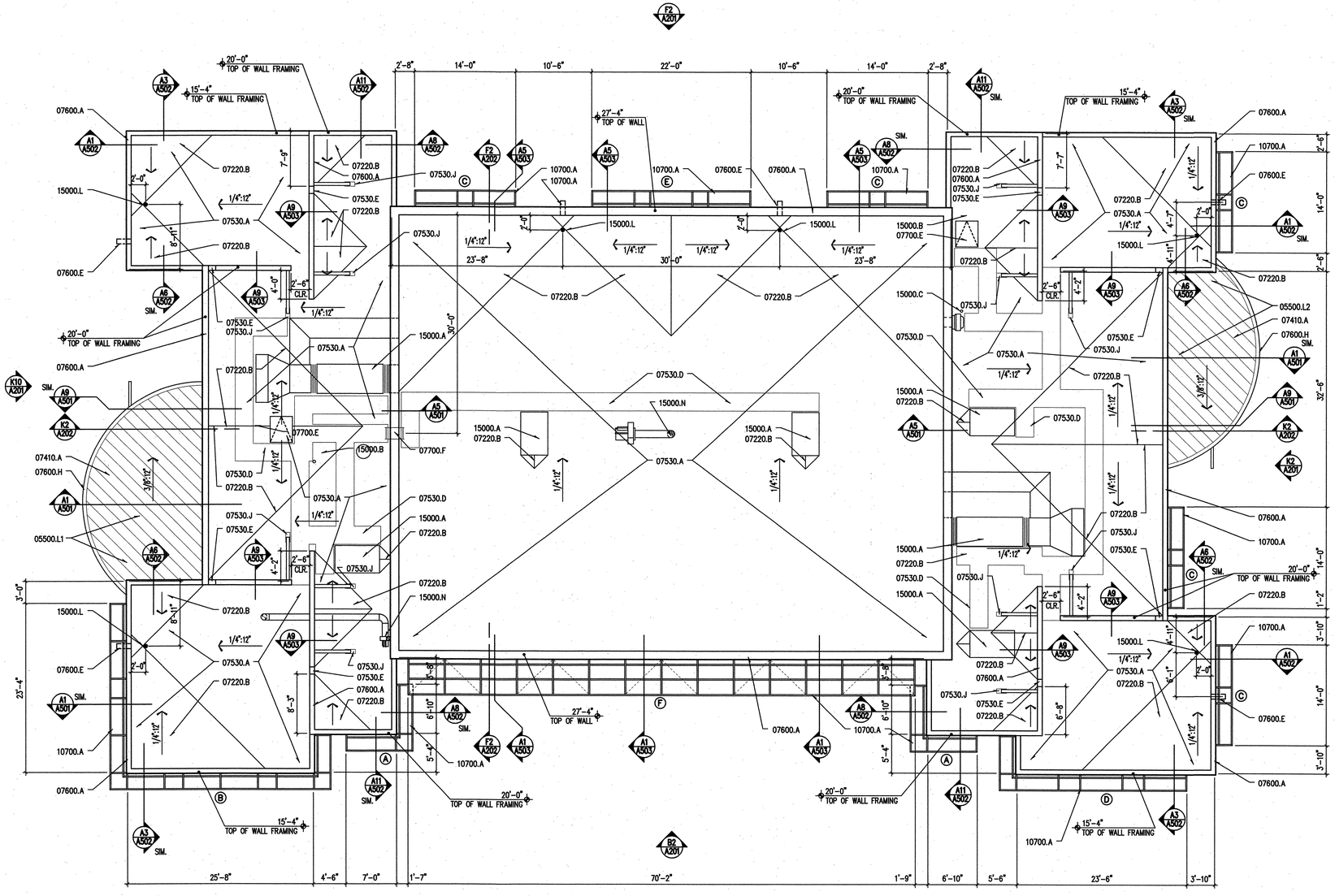
TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
DIMENSION PLAN

Design Review Committee
APPROVE DESIGN REVIEW COMMITTEE
APPROVE CITY ENGINEER

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

City Project No. 5922-13 | Zone Map No. N15 | Sheet 11 Of 44 | Dwg. A102

NAME: A102.dwg DATE: NOV 12, 2004 TIME: 10:19 AM PLOT SCALE: 1" = 8'-0"



B3	ROOF PLAN
1/8"=1'-0"	A101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

MATERIALS KEYING LEGEND

05500–METAL FABRICATIONS
- L1. ENTRANCE CANOPY, SEE ENLARGED PLAN G5/AA302
- L2. ENTRANCE CANOPY, SEE ENLARGED PLAN G9/AA302

07220–ROOF AND DECK INSULATION
- B. CRICKET SLOPED 1/4" PER 1'–0" MINIMUM

07410–METAL ROOF AND WALL PANELS
- A. 22 GAUGE 2" STANDING SEAM ROOF PANELS, SET AT 45° TO PURLINS

07530–ELASTOMERIC MEMBRANE ROOFING – EPDM
- A. EPDM, FULLY ADHERED
- D. WALKWAY PADS
- E. OPENING IN WALL, SEE DETAIL A11/A503
- J. PITCH PAN, SEE DETAIL A1/A504.

07600–FLASHING AND SHEET METAL
- A. ALUMINUM COPING
- E. OVERFLOW SCUPPER, SEE DETAIL J3/A502 OR J6/A502
- H. 22 GAUGE METAL GUTTER

07700–ROOF SPECIALTIES AND ACCESSORIES
- E. ROOF HATCH AND LADDER, SEE DETAIL A8/A504
- F. ACCESS LADDER, SEE DETAIL A4/A504

10700–SUN CONTROL DEVICES
- A. ALUMINUM SUNSHADE

15000–MECHANICAL
- A. MECHANICAL EQUIPMENT, SEE MECHANICAL, MOUNT ON ROOF CURB, SEE DETAIL L1/A503
- B. EXHAUST FAN
- C. PIPE PENETRATION, SEE DETAIL L3/A503 TYPICAL
- L. ROOF DRAIN, SEE DETAIL L5/A503
- N. EXHAUST STACK, PAINT TO MATCH EIFS

GENERAL NOTES

1. DIMENSIONS ARE TO FACE OF MASONRY, FACE OF EXTERIOR STUD OR CENTER LINE OF INTERIOR STUD UNLESS OTHERISE NOTED.
2. ROOF AND CRICKET SLOPES ARE TO BE 1/4" PER 1'–0" MINIMUM.
3. REFER TO SUNSHADE TYPES ON SHEET A302.
4. FOR THE PURPOSES OF THESE DRAWINGS FINISH FLOOR HEIGHT OF 5314.50 ABOVE SEA LEVEL IS EQUAL TO 0'–0"

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 2 of 2
WORK STAKED BY K.L. House DATE
INSPECTED BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY
RECORDED BY

BENCH MARKS
"1–N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

MICRO–FILM INFORMATION
RECORDED BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
DAVID M. HASSARD
No. 1467
REGISTERED ARCHITECT
4-28-04

REVISIONS

No.	Remarks	By	Date
1	11/17/04 Building Permit/Review Comments	DMH	04/28/04

DESIGN
Designed By D. HASSARD Date 04/28/04
Drawn By A. McCOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
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URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
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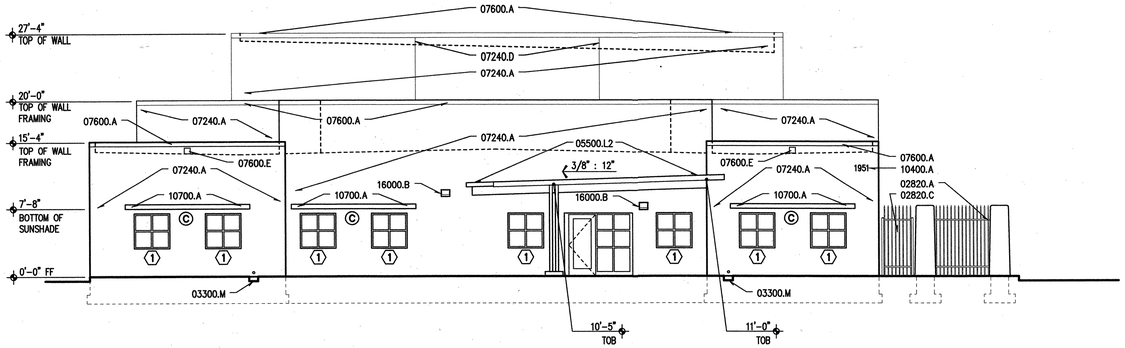
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
ROOF PLAN

Design Review Committee: APPROVED — DESIGN REVIEW COMMITTEE
APPROVED — CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

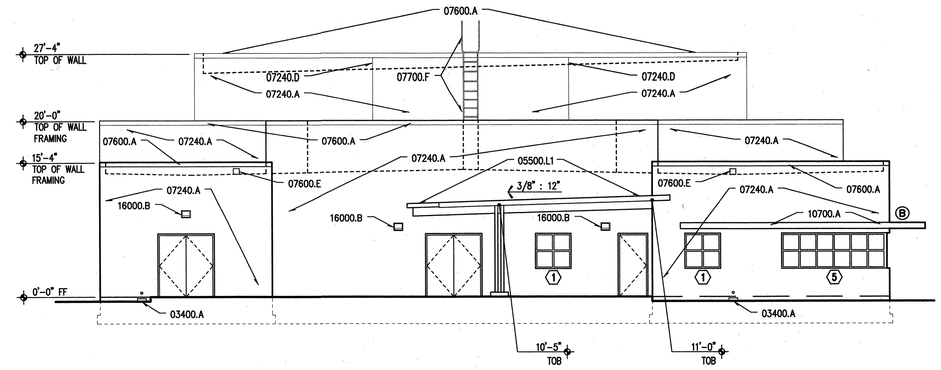
City Project No. 5922-13 | Zone Map No. N15 | Sheet 12 Of 44 | Dwg. A103

NAME: A103.dwg DATE: MAY 03, 2004 TIME: 8:53 AM PLOT SCALE: 1" = 8'-0"



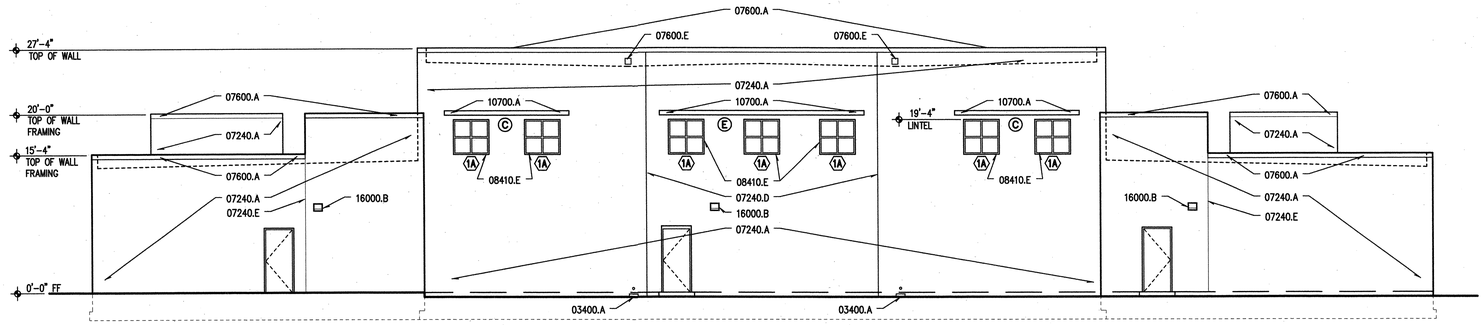
K2	EAST ELEVATION
1/8"=1'-0"	A101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"



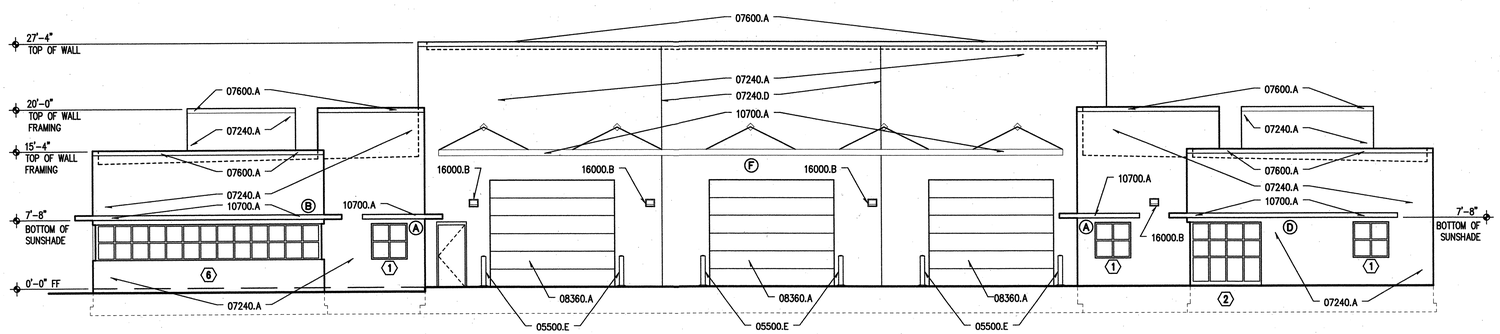
K10	WEST ELEVATION
1/8"=1'-0"	A101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"



F2	NORTH ELEVATION
1/8"=1'-0"	A101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"



B2	SOUTH ELEVATION
1/8"=1'-0"	A101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

MATERIALS KEYING LEGEND

02820–FENCES AND GATES
A. STEEL TUBE FENCING, SEE DETAIL G8/A202
C. STEEL TUBE GATE WITH HINGES, SPRING CLOSER AND LEVER HANDLED LATCHSET
03300–CAST–IN–PLACE CONCRETE
M. TRENCH DRAIN AT ROOF DRAIN OUTLET, SEE DETAIL G10/A505
03400–PRECAST CONCRETE
A. 12" X 24" CONCRETE SPLASH BLOCK AT ROOF DRAIN OUTLET
05500–METAL FABRICATIONS
E. METAL BOLLARD, SEE DETAIL B8/A202
L1. ENTRANCE CANOPY, SEE ENLARGED PLAN G5/AA302
L2. ENTRANCE CANOPY, SEE ENLARGED PLAN G9/AA302
07240–EXTERIOR INSULATION AND FINISH SYSTEM
A. EIFS (1" R–4.17 XPS INSULATION)
D. CONTROL JOINT, SEE DETAIL H5/A301
E. EIFS JOINT, SEE DETAIL H8/A301
07600–FLASHING AND SHEET METAL
A. ALUMINUM COPING
E. OVERFLOW SCUPPER, SEE DETAIL J3/A502 OR J6/A502
07700–ROOF SPECIALTIES AND ACCESSORIES
F. ACCESS LADDER, SEE DETAIL A4/A504
08360–SECTIONAL OVERHEAD DOORS
A. GARAGE DOOR AND TRACK
08410–ALUMINUM ENTRANCES AND STOREFRONTS
E. CLERESTORY WINDOW, SEE REFLECTED CEILING PLAN ON A401 FOR LOCATIONS
10400–IDENTIFYING DEVICES
A. PREMISES ID TO READ "1951" IN 8" HIGH ALUMINUM LETTERS
10700–SUN CONTROL DEVICES
A. ALUMINUM SUNSHADE
16000–ELECTRICAL
B. WALL MOUNTED LIGHT, SEE ELECTRICAL

GENERAL NOTES

1. REFER TO FINISH SCHEDULE ON SHEET A001.
2. FOR THE PURPOSES OF THESE DRAWINGS FINISH FLOOR HEIGHT OF 5314.50 ABOVE SEA LEVEL IS EQUAL TO 0'–0"

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 04/28/04
WORK STAKED BY K.L. House DATE
ACCEPTANCE BY DATE
FIELD LOCATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO–FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO DAVID M. HASSARD No. 1467 REGISTERED ARCHITECT 4-28-04

No.	By	Building Permit/Review Comments	Date
1	DMH	Remarks	04/28/04

REVISIONS
DESIGN Designed By D. HASSARD Date 04/28/04
Drawn By A. McGOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
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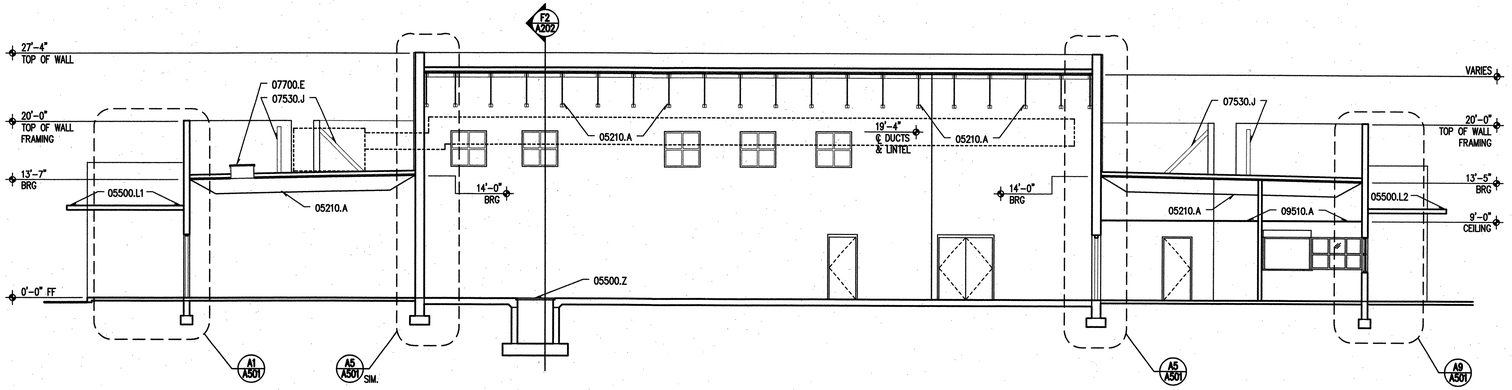
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING EXTERIOR ELEVATIONS**

Design Review Committee: APPROVED DESIGN REVIEW COMMITTEE
APPROVED CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. 5922-13 | Zone Map No. N15 | Sheet 13 Of 44 | Dwg. A201

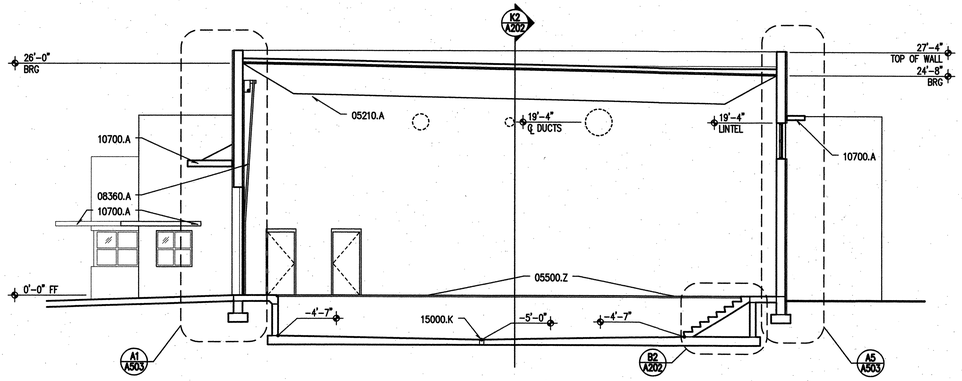
NAME: A201.dwg DATE: NOV 12, 2004 TIME: 8:50 AM PLOT SCALE: 1" = 8'-0"



K2	BUILDING SECTION
1/8"=1'-0"	A101

0' 4' 8' 24'

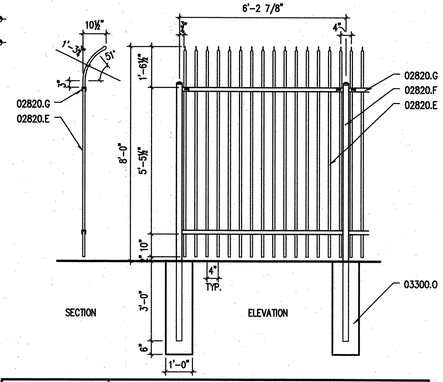
GRAPHIC SCALE: 1/8"=1'-0"



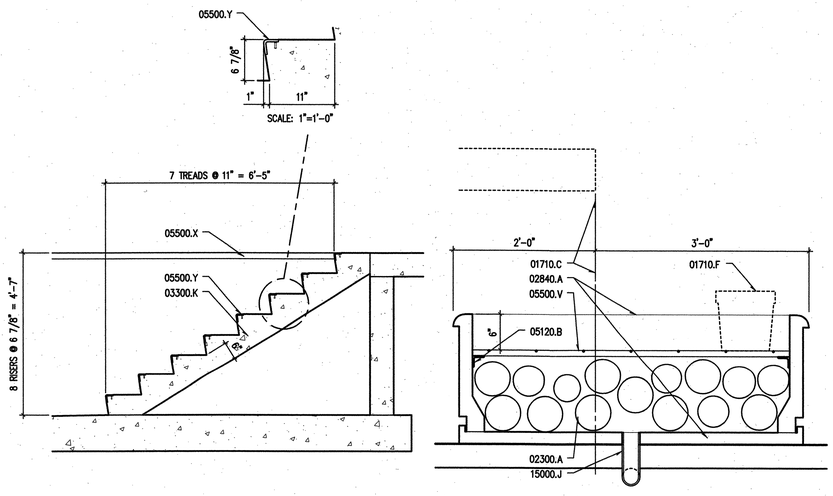
F2	BUILDING SECTION
1/8"=1'-0"	A101

0' 4' 8' 24'

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

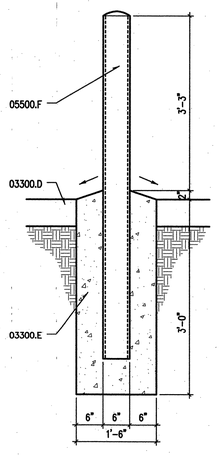


G8	FENCE DETAIL
3/8" = 1'-0"	

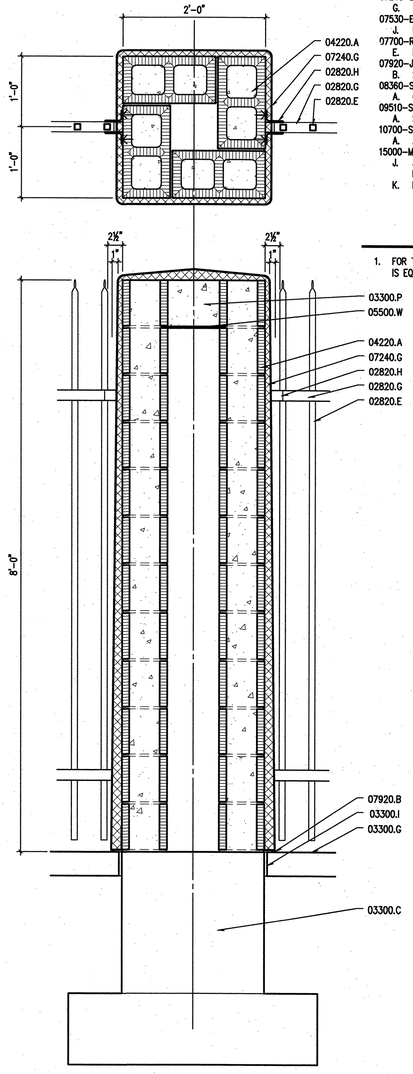


B2	BUILDING SECTION
½"=1'-0"	

B5	PLANTER SECTION
1"=1'-0"	



B8	BOLLARD DETAIL
3/4" = 1'-0"	



B11	CMU PILASTER
1" = 1'-0"	

MATERIALS KEYING LEGEND

01710–COORDINATION
- C. ALIGN WITH EDGE OF CANOPY GUTTER OUTLET ABOVE
- F. XXXXX – NOT FOUND – XXXX

02300–EARTHWORK
- A. ROUGHLY 6" DIAMETER ROCKS

02820–FENCES AND GATES
- E. 1" X 1" X 16 GAUGE BENT STEEL TUBE
- F. 2½" X 2½" X 12 GAUGE STEEL POST
- G. 1 3/4" X 1 3/4" X 3/8" STEEL TRACK
- H. 3" X 2" X ¼" STEEL ANGLE, ATTACH TO CMU WITH 3/8" EXPANSION ANCHORS

02840–WALK, ROAD, AND PARKING APPURTENANCES
- A. CONCRETE PLANTER, SEE DETAIL B5/A202

03300–CAST–IN–PLACE CONCRETE
- C. CONCRETE FOOTING, SEE STRUCTURAL
- D. CONCRETE PAVEMENT, SEE SITE DRAWINGS IN VOLUME I
- E. CONCRETE BOLLARD FOOTING, SLOPE TOP TO DRAIN
- G. 4" CONCRETE SLAB WITH FIBERMESH REINFORCEMENT
- I. ½" EXPANSION JOINT MATERIAL, SEE STRUCTURAL.
- K. CONCRETE STAIRS, SEE STRUCTURAL
- O. CONCRETE FENCE FOOTING
- P. GROUT

04220–CONCRETE MASONRY UNITS
- A. 8" CMU

05120–STRUCTURAL STEEL
- B. STEEL ANGLE

05210–STEEL JOISTS
- A. STEEL JOIST, SEE STRUCTURAL

05500–METAL FABRICATIONS
- F. 6" STEEL PIPE BOLLARD, FILL WITH GROUT, CROWN TOP AND PAINT.
- L1. ENTRANCE CANOPY, SEE ENLARGED PLAN G5/AA302
- L2. ENTRANCE CANOPY, SEE ENLARGED PLAN G9/AA302
- V. 1" X 3/16" BAR GRATING
- W. 1/4" THICK PLATE
- X. STEEL ANGLE FOR REMOVABLE GRATING, SEE STRUCTURAL
- Y. CAST ALUMINUM CURB BAR WITH CAST ON ANCHOR
- Z. REMOVABLE BAR GRATING, SEE STRUCTURAL

07240–EXTERIOR INSULATION AND FINISH SYSTEM
- G. TAPER EIFS 1" PER SIDE OVER HEIGHT OF CMU PILASTER

07530–ELASTOMERIC MEMBRANE ROOFING – EPDM
- J. PITCH PAN, SEE DETAIL A1/A504.

07700–ROOF SPECIALTIES AND ACCESSORIES
- E. ROOF HATCH AND LADDER, SEE DETAIL A8/A504

07920–JOINT SEALANTS
- B. SEALANT AND BACKER ROD

08360–SECTIONAL OVERHEAD DOORS
- A. GARAGE DOOR AND TRACK

09510–SUSPENDED ACOUSTICAL CEILINGS
- A. SUSPENDED ACOUSTICAL CEILING SYSTEM

10700–SUN CONTROL DEVICES
- A. ALUMINUM SUNSHADE

15000–MECHANICAL
- J. 3" DIAMETER PVC PIPE, CONTINUE UNDER SIDEWALK AND DRAIN THROUGH CURB INTO PARKING LOT / GRAVEL AREA
- K. FLOOR DRAIN, SEE MECHANICAL

GENERAL NOTES

1. FOR THE PURPOSES OF THESE DRAWINGS FINISH FLOOR HEIGHT OF 5314.50 ABOVE SEA LEVEL IS EQUAL TO 0'–0"

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 12/04
WORK STAKED BY K.L. House DATE
INSPECTION BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY
MICRO–FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET", AN ACS ALUMINUM CAP APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO DAVID M. HASSARD No. 1467 REGISTERED ARCHITECT
4-28-04

No.	By	Remarks	Date
1	DMH	11/17/04 Building Permit / Review Comments	04/28/04

REVISIONS
DESIGN
Designed By D. HASSARD Date 04/28/04
Drawn By A. McGOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
TELE. (505) 255–8668 FAX (505) 268–6665

URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855–7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE:
SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
BUILDING SECTIONS

Design Review Committee — APPROVED — DESIGN REVIEW COMMITTEE — Mo./Day/Yr.
Last Design Update — APPROVED — CITY ENGINEER — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	14	44	A202

NAME: A202.dwg DATE: MAY 03, 2004 TIME: 8:52 AM PLOT SCALE: 1" = 8'-0"

MATERIALS KEYING LEGEND

01710–COORDINATION
- A. ALIGN FACE OF FINISHES BETWEEN CMU AND METAL STUD WALLS

02820–FENCES AND GATES
- A. STEEL TUBE FENCING, SEE DETAIL G8/A202
- B. SEE SITE DRAWINGS IN VOLUME 1 OF THIS PROJECT FOR FENCING BEYOND THIS POINT.
- C. STEEL TUBE GATE WITH HINGES, SPRING CLOSER AND LEVER HANDLED LATCHSET
- D. PILASTER, SEE DETAIL B11/A202

03300–CAST–IN–PLACE CONCRETE
- G. 4" CONCRETE SLAB WITH FIBERMESH REINFORCEMENT
- I. ½" EXPANSION JOINT MATERIAL, SEE STRUCTURAL.
- J. CONTROL JOINT

04220–CONCRETE MASONRY UNITS
- B. 12" CMU, GROUTED SOLID
- D. MASONRY EXPANSION JOINT

05120–STRUCTURAL STEEL
- A. STEEL TUBE

05410–LOAD–BEARING METAL STUDS
- A. STRUCTRAL STUD, 6"

06411–PLASTIC LAMINATE CASEWORK
- E. 2'–0" X 5'–0" BENCH
- G. COUNTER TOP

07210–BUILDING INSULATION
- A. 6" R–19 BATT INSULATION

07240–EXTERIOR INSULATION AND FINISH SYSTEM
- A. EIFS (1" R–4.17 XPS INSULATION)
- B. BACKRAP FINISH 4" AT THIS LOCATION

07700–ROOF SPECIALTIES AND ACCESSORIES
- E. ROOF HATCH AND LADDER, SEE DETAIL A8/A504

07920–JOINT SEALANTS
- A. SEALANT
- B. SEALANT AND BACKER ROD

08410–ALUMINUM ENTRANCES AND STOREFRONTS
- A. GLAZED STOREFRONT, FIXED

09250–GYPSUM BOARD
- D. 5/8" TYPE 'X' GYPSUM BOARD
- E. 5/8" EXTERIOR GYPSUM SHEATHING
- L. 5/8" TYPE 'X' GYPSUM BOARD, ADHERE TO CMU
- P. GYPSUM BOARD CONTROL JOINT

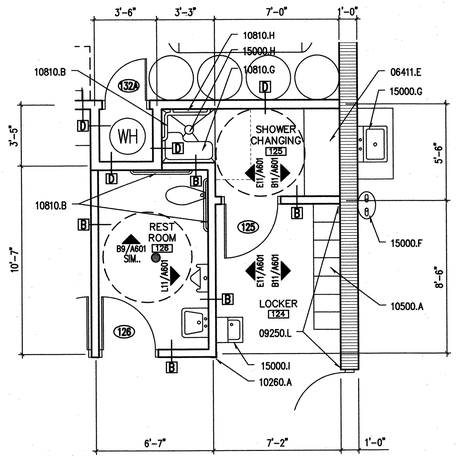
10150–COMPARTMENTS AND CUBICLES
- A. TOILET PARTITION
- B. URINAL SCREEN

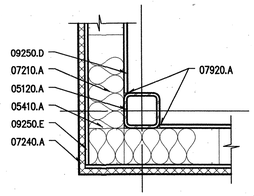
10260–WALL PROTECTION
- A. CORNER GUARD
- B. RIGID VINYL WAINSCOT

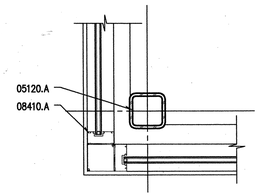
10500–LOCKERS
- A. DOUBLE TIER LOCKERS (O.F.O.I.)

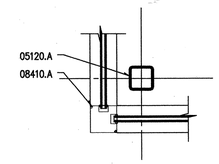
10810–TOILET ACCESSORIES
- B. GRAB BARS
- G. SHOWER BENCH
- H. SHOWER CONTROL WALL

15000–MECHANICAL
- F. EYEWASH, SEE PLUMBING
- G. PREFABRICATED CABINET WITH SINK, SEE PLUMBING
- H. PREFABRICATED SHOWER, SEE PLUMBING
- I. DRINKING FOUNTAIN, SEE PLUMBING

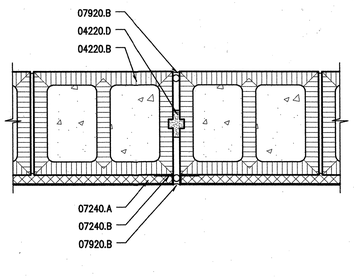


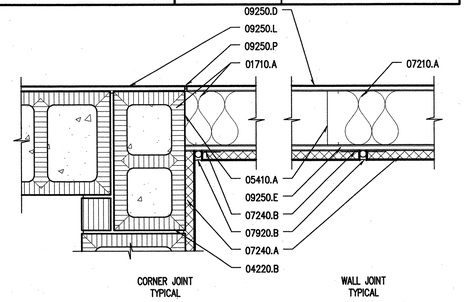




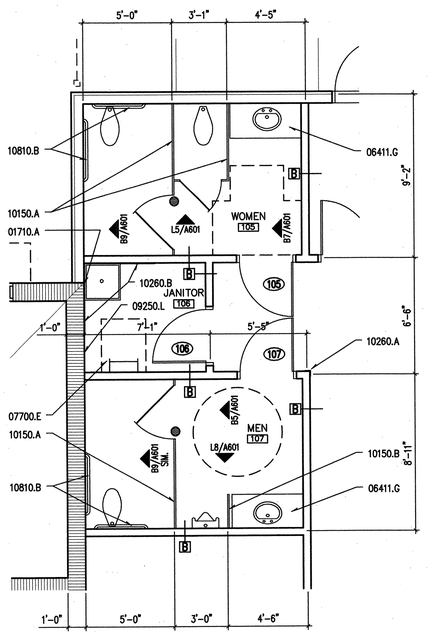


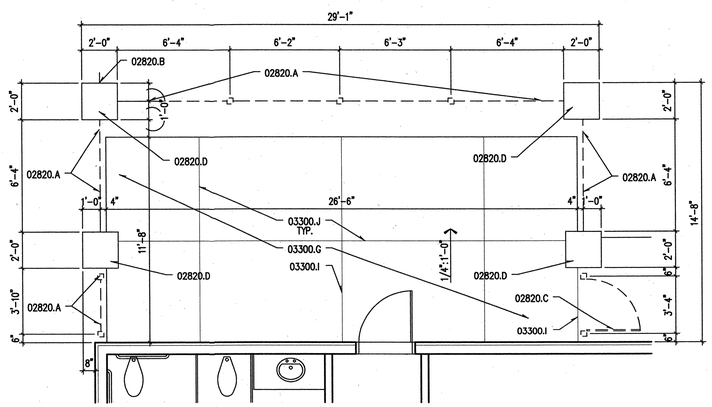
L5	COLUMN PLAN	L9	COLUMN PLAN
1"=1'–0"		1"=1'–0"	

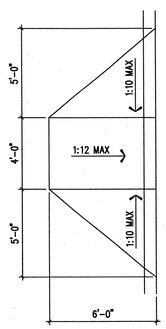




H1	SHOWER/CHANGING, RESTROOM ENLARGED PLAN	H5	CONTROL JOINT	H8	EIFS JOINTS
1/4"=1'–0"	A101	1½"=1'–0"		1½"=1'–0"	







A1	MEN AND WOMEN ENLARGED PLAN	A5	PATIO ENLARGED PLAN	A9	CURB RAMP
1/4"=1'–0"	A101	1/4"=1'–0"	A101	1/4"=1'–0"	

NAME: A301.dwn DATE: NOV 12, 2004 TIME: 10:31 AM PLOT SCALE: 1" = 4'–0"

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 2-24-05
WORK STAKED BY: K.L. House DATE
ACCEPTANCE BY DATE
FIELD LOCATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO–FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO
DAVID M. HASSARD
No. 1467
REGISTERED ARCHITECT
4-28-04

No.	Remarks	By	Date
1	Building Permit/Review Comments	DMH	11/17/04
	REVISIONS		
	DESIGN		Date 04/28/04
	Designed By D. HASSARD		Date 04/28/04
	Drawn By A. McCOEY		Date 04/28/04
	Checked By D. HASSARD		

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
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ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
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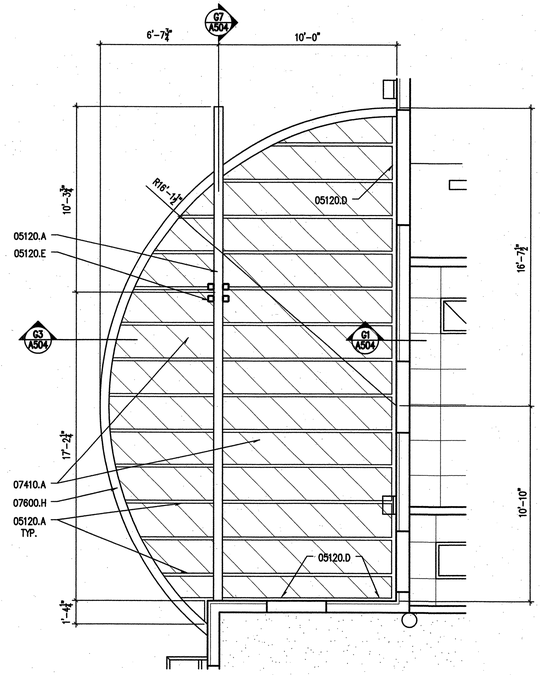
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE:
SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
ENLARGED PLANS

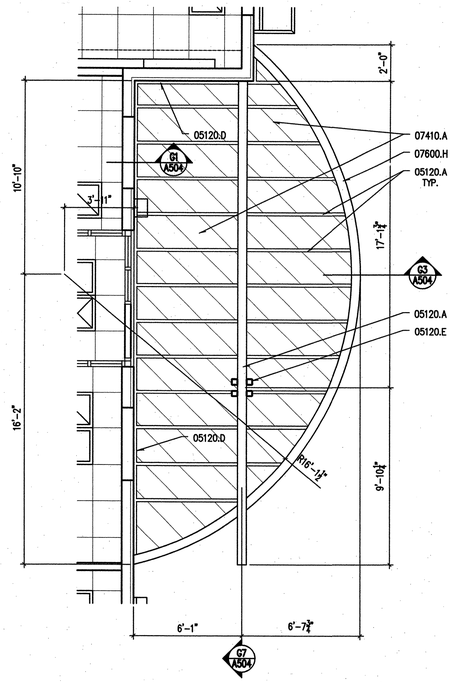
Design Review Committee
APPROVE MAR 1 8 2004 DESIGN REVIEW COMMITTEE
APPROVE MAR 1 8 2005 CITY ENGINEER
Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

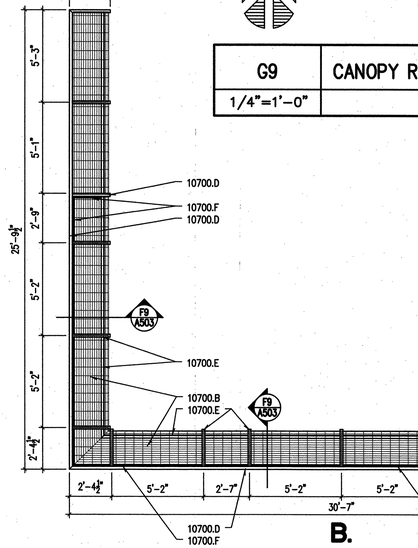
City Project No. 5922-13 | Zone Map No. N15 | Sheet 15 Of 44 | Dwg. A301

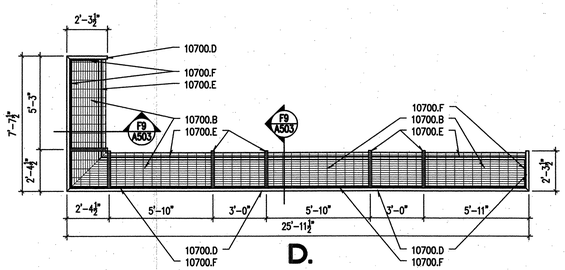


G5	CANOPY REFLECTED CEILING PLAN
1/4"=1'-0"	

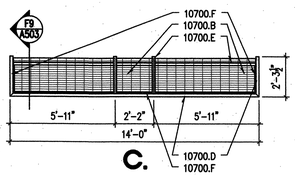


G9	CANOPY REFLECTED CEILING PLAN
1/4"=1'-0"	

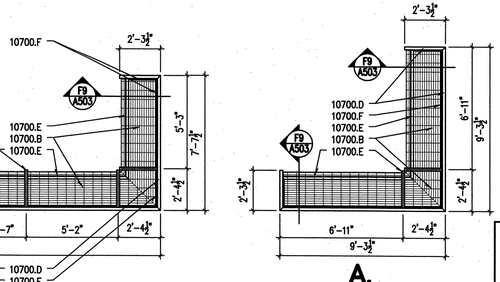




D.

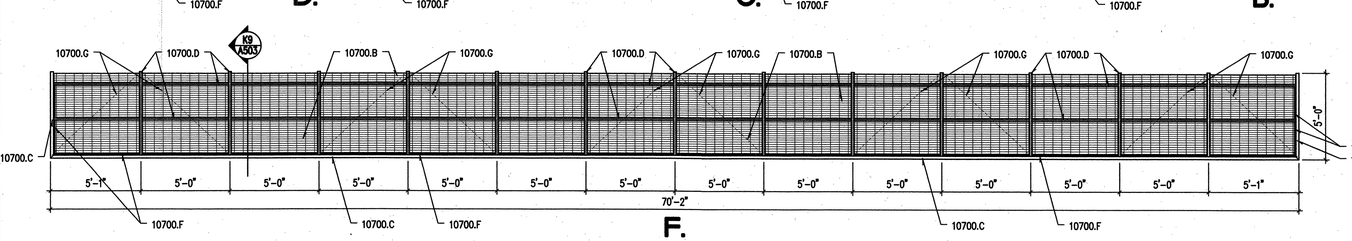


C.

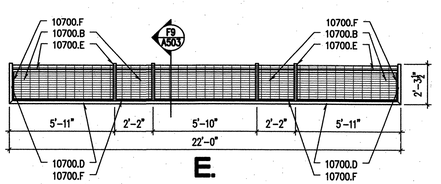


B.

A.



F.



E.

A1	SUNSHADE TYPES ⊖
1/4"=1'-0"	

MATERIALS KEYING LEGEND

05120–STRUCTURAL STEEL
- A. STEEL TUBE
- D. STEEL TUBE LEDGER, SEE STRUCTURAL
- E. STEEL TUBE COLUMN, SEE STRUCTURAL

07410–METAL ROOF AND WALL PANELS
- A. 22 GAUGE 2" STANDING SEAM ROOF PANELS, SET AT 45° TO PURLINS

07600–FLASHING AND SHEET METAL
- H. 22 GAUGE METAL GUTTER

10700–SUN CONTROL DEVICES
- B. 24" WIDE ALUMINUM BAR GRATING
- C. 2" X 8" X 1/8" ALUMINUM TUBE
- D. 2" X 6" X 1/8" ALUMINUM TUBE
- E. 2" X 4" X 1/8" ALUMINUM TUBE
- F. ALUMINUM CLIP ANGLE.
- G. ROD WITH THREADED ENDS, PAINT TO MATCH SUNSHADES, SIZED BY SUNSHADE MANUFACTURER

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 6/04
WORK STAKED BY K.L. House DATE
INSPECTED BY DATE
FIELD CHANGES BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO DAVID M. HASSARD No. 1467 REGISTERED ARCHITECT
4-28-04

No.	Remarks	By	Date
1	11/17/04 Building Permit/Review Comments	DMH	04/28/04
	REVISIONS		
	DESIGN		04/28/04
Designed By	D. HASSARD		04/28/04
Drawn By	A. McGOEY		04/28/04
Checked By	D. HASSARD		04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
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6501 AMERICAS PARKWAY, NE
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ALBUQUERQUE, NM 87110
(505) 855-7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
SUNSHADES AND CANOPIES

Design Review Committee — APPROVED — DESIGN REVIEW COMMITTEE
Last Design Update — APPROVED — CITY ENGINEER

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 5922-13 | Zone Map No. N15 | Sheet 16 Of 44 | Dwg. A302

NAME: A302.dwg DATE: MAY 03, 2004 TIME: 8:51 AM PLOT SCALE: 1" = 4'-0"

MATERIALS KEYING LEGEND

05500–METAL FABRICATIONS
- L1. ENTRANCE CANOPY, SEE ENLARGED PLAN 05/AA302
- L2. ENTRANCE CANOPY, SEE ENLARGED PLAN 09/AA302

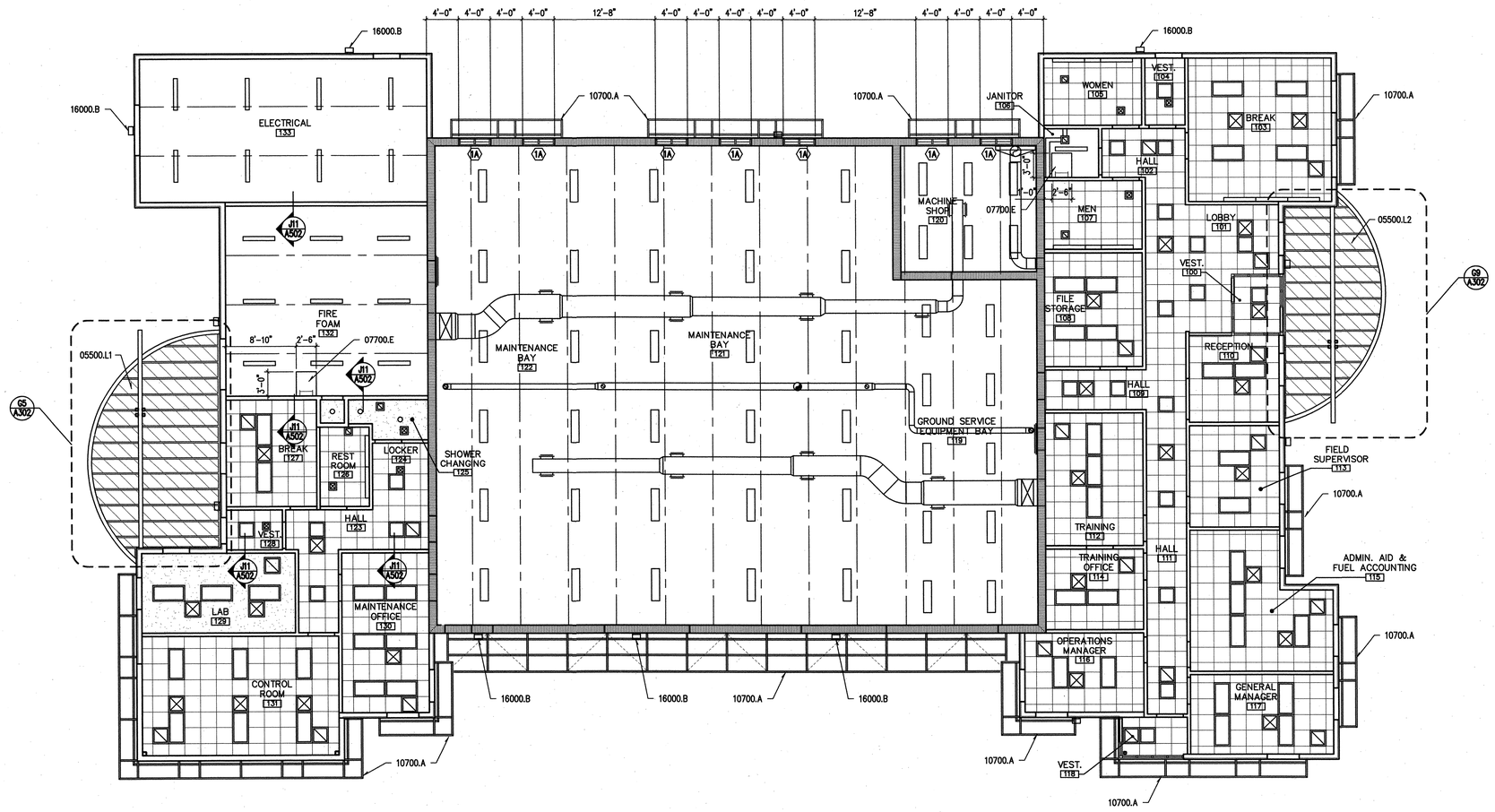
07700–ROOF SPECIALTIES AND ACCESSORIES
- E. ROOF HATCH AND LADDER, SEE DETAIL A8/A504

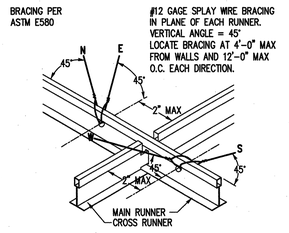
10700–SUN CONTROL DEVICES
- A. ALUMINUM SUNSHADE

16000–ELECTRICAL
- B. WALL MOUNTED LIGHT, SEE ELECTRICAL

GENERAL NOTES

1. REFER TP ROOM FINISH SCHEDULE ON A001 FOR CEILING MATERIALS AND CEILING HEIGHTS.





NOTE – HANGER WIRES "N" AND "S" ARE IN THE SAME VERTICAL PLANE AS THE MAIN RUNNER. HANGER WIRES "E" AND "W" ARE IN PLANES PERPENDICULAR TO THE MAIN RUNNER.

B3	FLOOR PLAN
1/8"=1'–0"	A101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'–0"

B10	SEISMIC BRACING
3"=1'–0"	

CEILING LEGEND

AS BUILT INFORMATION
CONTRACTOR K.L. Houser DATE 8/2006
WORK STAKED BY K.L. Houser DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO–FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET" AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO DAVID W. HASSARD No. 1467 REGISTERED ARCHITECT 4.28.04

No.	Building Permit/Review Comments	By	Date
1	11/17/04	DMH	04/28/04

REVISIONS
DESIGN Designed By D. HASSARD Date 04/28/04
Drawn By A. McGOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
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6501 AMERICAS PARKWAY, NE
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ALBUQUERQUE, NM 87110
(505) 855–7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

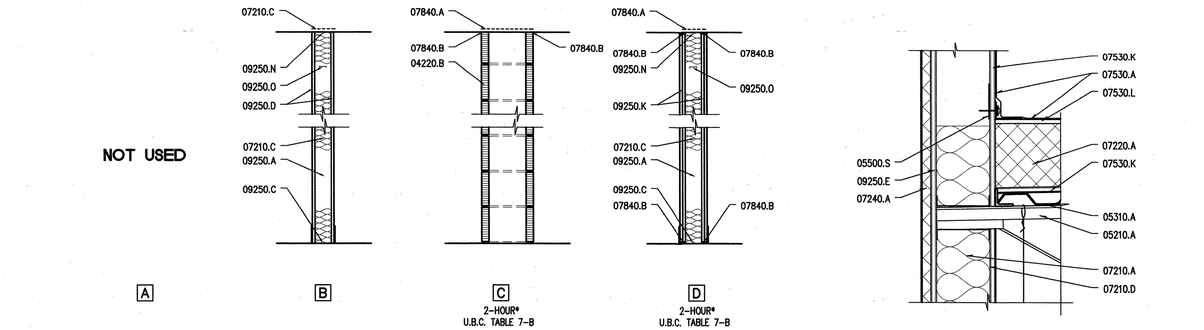
TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
REFLECTED CEILING PLAN

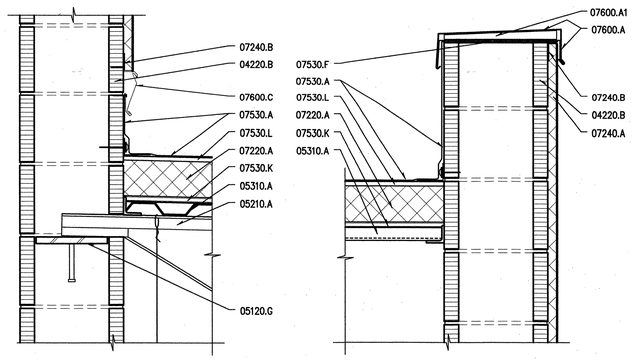
Design Review Committee
APPROVED MAR 2 2005 DESIGN REVIEW COMMITTEE
APPROVED MAR 2 3 2005 CITY ENGINEER

Last Design Update

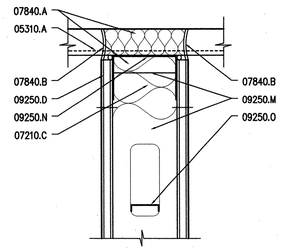
Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 13 5922-[illegible] | Zone Map No. N15 | Sheet 17 Of 44 | Dwg. A401

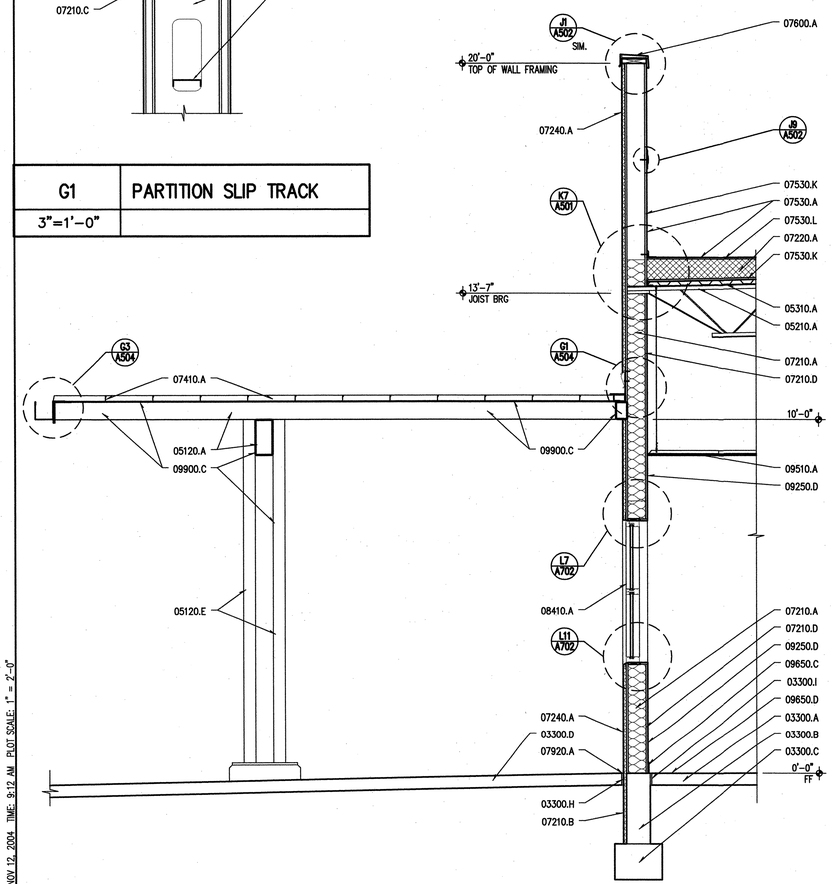


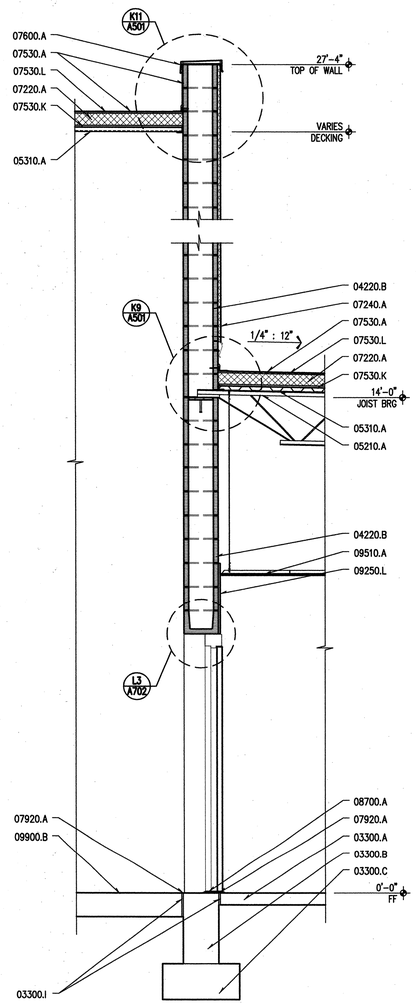


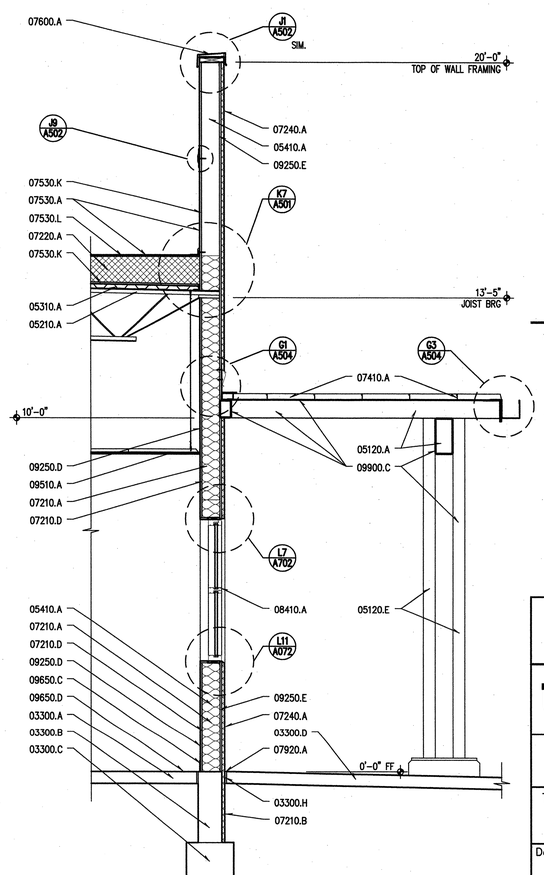
K1	PARTITION TYPES		K7	ROOF / WALL	K9	REGLET	K11	CMU PARAPET
3/4"=1'-0"	A101	* PROVIDE FIRE RATING WHERE REQUIRED – SEE FIRE PARTITION PLAN, SHEET G002	1½"=1'-0"	A501	1½"=1'-0"	A501	1½"=1'-0"	A501



G1	PARTITION SLIP TRACK
3"=1'-0"	







A1	WALL SECTION	A5	WALL SECTION	A9	WALLL SECTION
½"=1'-0"	A101	½"=1'-0"	A101	½"=1'-0"	A101

MATERIALS KEYING LEGEND

03300–CAST–IN–PLACE CONCRETE
- A. CONCRETE SLAB, SEE STRUCTURAL
- B. CONCRETE STEM WALL, SEE STRUCTURAL
- C. CONCRETE FOOTING, SEE STRUCTURAL
- D. CONCRETE PAVEMENT, SEE SITE DRAWINGS IN VOLUME I
- H. ½" FIBER JOINT
- I. ½" EXPANSION JOINT MATERIAL, SEE STRUCTURAL.

04220–CONCRETE MASONRY UNITS
- B. 12" CMU, GROUTED SOLID

05120–STRUCTURAL STEEL
- A. STEEL TUBE
- E. STEEL TUBE COLUMN, SEE STRUCTURAL
- G. STEEL BEARING PLATE, SEE STRUCTURAL

05210–STEEL JOISTS
- A. STEEL JOIST, SEE STRUCTURAL

05310–STEEL DECK
- A. STEEL DECK

05410–LOAD–BEARING METAL STUDS
- A. STRUCTRAL STUD, 6"

05500–METAL FABRICATIONS
- S. 4" X 16 GAUGE CONTINOUS ATTACHMENT BAR, TYPICAL AT STRUCTURAL STUD PARAPETS

07210–BUILDING INSULATION
- A. 6" R–19 BATT INSULATION
- B. 1" EXTRUDED POLYSTYRENE PERIMETER INSULATION
- C. 3½" ACOUSTICAL BATT INSULATION
- D. VAPOR BARRIER

07220–ROOF AND DECK INSULATION
- A. TWO LAYERS OF 2½" RIGID POLYISOCYANURATE INSULATION, R–30 MINIMUM

07240–EXTERIOR INSULATION AND FINISH SYSTEM
- A. EIFS (1" R–4.17 XPS INSULATION)
- B. BACKRAP FINISH 4" AT THIS LOCATION

07410–METAL ROOF AND WALL PANELS
- A. 22 GAUGE 2" STANDING SEAM ROOF PANELS, SET AT 45° TO PURLINS

07530–ELASTOMERIC MEMBRANE ROOFING – EPDM
- A. EPDM, FULLY ADHERED
- F. WRAP EPDM ROOFING OVER THE TOP OF WALL, UNDER THE COPING
- K. 5/8" GYPSUM PROTECTION BOARD
- L. ½" GYPSUM PROTECTION BOARD

07600–FLASHING AND SHEET METAL
- A. ALUMINUM COPING
- A1. COPING CHAIR
- C. METAL COUNTERFLASHING REGLET

07840–FIRESTOPPING
- A. FIRESAFING INSULATION
- B. FIRE CAULKING

07920–JOINT SEALANTS
- A. SEALANT

08410–ALUMINUM ENTRANCES AND STOREFRONTS
- A. GLAZED STOREFRONT, FIXED

08700–DOOR HARDWARE
- A. THRESHOLD

09250–GYPSUM BOARD
- A. 3 5/8" 25 GAUGE METAL STUDS @ 16" O.C.
- C. RUNNER TRACK, 20 GAUGE
- D. 5/8" TYPE 'X' GYPSUM BOARD
- E. 5/8" EXTERIOR GYPSUM SHEATHING
- K. TWO LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD
- L. 5/8" TYPE 'X' GYPSUM BOARD, ADHERE TO CMU
- M. ALLOW FOR 1" MOVEMENT BETWEEN TOP OF STUDS AND TRACK., DO NOT ATTACH STUDS OR GYPSUM BOARD TO TRACK.
- N. 2½" DEEP SLOTTED RUNNER TRACK, 20 GAUGE, SEE DETAIL G1 ON THIS SHEET
- O. PROVIDE BRIDGING NEAR TOP OF STUDS

09510–SUSPENDED ACOUSTICAL CEILINGS
- A. SUSPENDED ACOUSTICAL CEILING SYSTEM

09650–RESILIENT FLOORING AND ACCESSORIES
- C. BASE AS SCHEDULED, SEE SHEET A001
- D. FLOORING AS SCHEDULED, SEE SHEET A001

09900–PAINTS AND COATINGS
- B. CONCRETE COATING AS SCHEDULED, SEE SHEET A001
- C. PAINT ALL METAL SURFACES OF CANOPY INCLUDING THE UNDERSIDE OF METAL ROOFING

GENERAL NOTES

1. FOR THE PURPOSES OF THESE DRAWINGS FINISH FLOOR HEIGHT OF 5314.50 ABOVE SEA LEVEL IS EQUAL TO 0'–0"

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 2004
WORK STAKED BY K.L. House DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO–FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET" AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO
DAVID M. HASSARD
No. 1467
REGISTERED
4-28-04

No.	By	Remarks	Date
1	DMH	Building Permit/Review Comments	04/28/04

REVISIONS
DESIGN
Designed By D. HASSARD Date 04/28/04
Drawn By A. McGOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
TELE. (505) 255–8668 FAX (505) 268–6665

URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855–7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

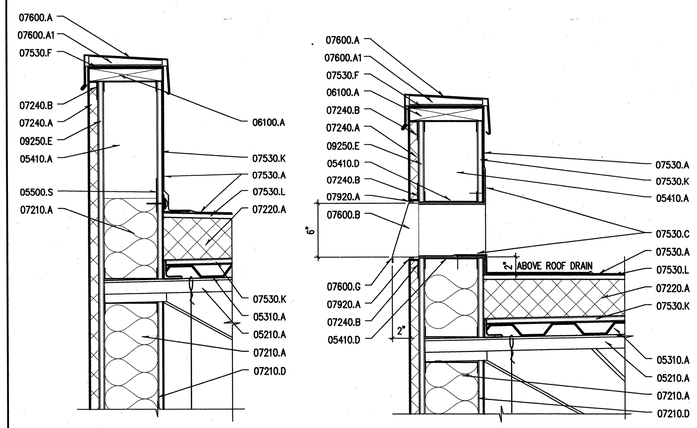
TITLE:
SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
PARTITION TYPES, WALL SECTIONS AND DETAILS

Design Review Committee
APPROVE
DESIGN REVIEW COMMITTEE
APPROVE
CITY ENGINEER
Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

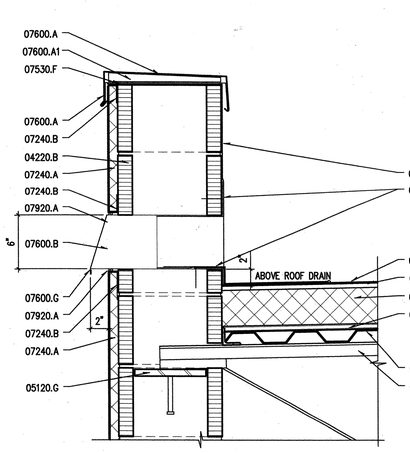
City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	18	44	A501

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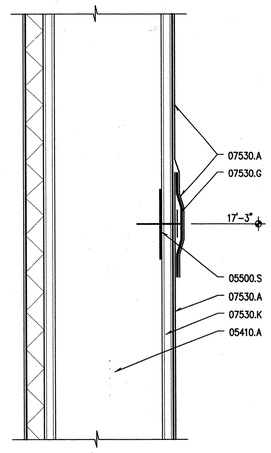


J1	PARAPET
1½"=1'-0"	

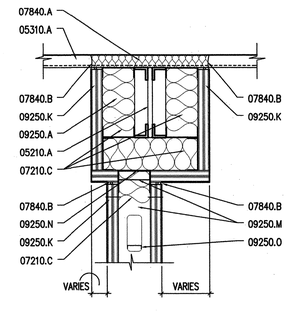
J3	OVERFLOW SCUPPER
1½"=1'-0"	



J6	OVERFLOW SCUPPER
1½"=1'-0"	



J9	DETAIL
3"=1'-0"	



J11	DETAIL
1½"=1'-0"	

MATERIALS KEYING LEGEND

03300–CAST–IN–PLACE CONCRETE
- A. CONCRETE SLAB, SEE STRUCTURAL
- B. CONCRETE STEM WALL, SEE STRUCTURAL
- C. CONCRETE FOOTING, SEE STRUCTURAL
- D. CONCRETE PAVEMENT, SEE SITE DRAWINGS IN VOLUME I
- H. ½" FIBER JOINT
- I. ½" EXPANSION JOINT MATERIAL, SEE STRUCTURAL.

04220–CONCRETE MASONRY UNITS
- B. 12" CMU, GROUTED SOLID

05120–STRUCTURAL STEEL
- G. STEEL BEARING PLATE, SEE STRUCTURAL

05210–STEEL JOISTS
- A. STEEL JOIST, SEE STRUCTURAL

05310–STEEL DECK
- A. STEEL DECK

05410–LOAD–BEARING METAL STUDS
- A. STRUCTRAL STUD, 6"
- D. RUNNER TRACK

05500–METAL FABRICATIONS
- S. 4" X 16 GAUGE CONTINOUS ATTACHMENT BAR, TYPICAL AT STRUCTURAL STUD PARAPETS

06100–ROUGH CARPENTRY
- A. WOOD BLOCKING

07210–BUILDING INSULATION
- A. 6" R–19 BATT INSULATION
- B. 1" EXTRUDED POLYSTYRENE PERIMETER INSULATION
- C. 3½" ACOUSTICAL BATT INSULATION
- D. VAPOR BARRIER

07220–ROOF AND DECK INSULATION
- A. TWO LAYERS OF 2½" RIGID POLYISOCYANURATE INSULATION, R–30 MINIMUM

07240–EXTERIOR INSULATION AND FINISH SYSTEM
- A. EIFS (1" R–4.17 XPS INSULATION)
- B. BACKRAP FINISH 4" AT THIS LOCATION

07530–ELASTOMERIC MEMBRANE ROOFING – EPDM
- A. EPDM, FULLY ADHERED
- C. EPDM FLASHING, FULLY ADHERED
- F. WRAP EPDM ROOFING OVER THE TOP OF WALL, UNDER THE COPING
- G. BATTEN COVER
- K. 5/8" GYPSUM PROTECTION BOARD
- L. ½" GYPSUM PROTECTION BOARD

07600–FLASHING AND SHEET METAL
- A. ALUMINUM COPING
- A1. COPING CHAIR
- B. SHEET METAL OVERFLOW SCUPPER
- G. METAL DRIP EDGE

07840–FIRESTOPPING
- A. FIRESAFING INSULATION
- B. FIRE CAULKING

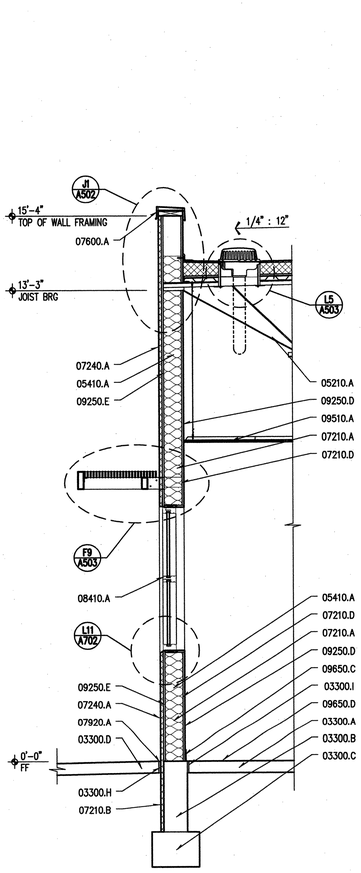
07920–JOINT SEALANTS
- A. SEALANT

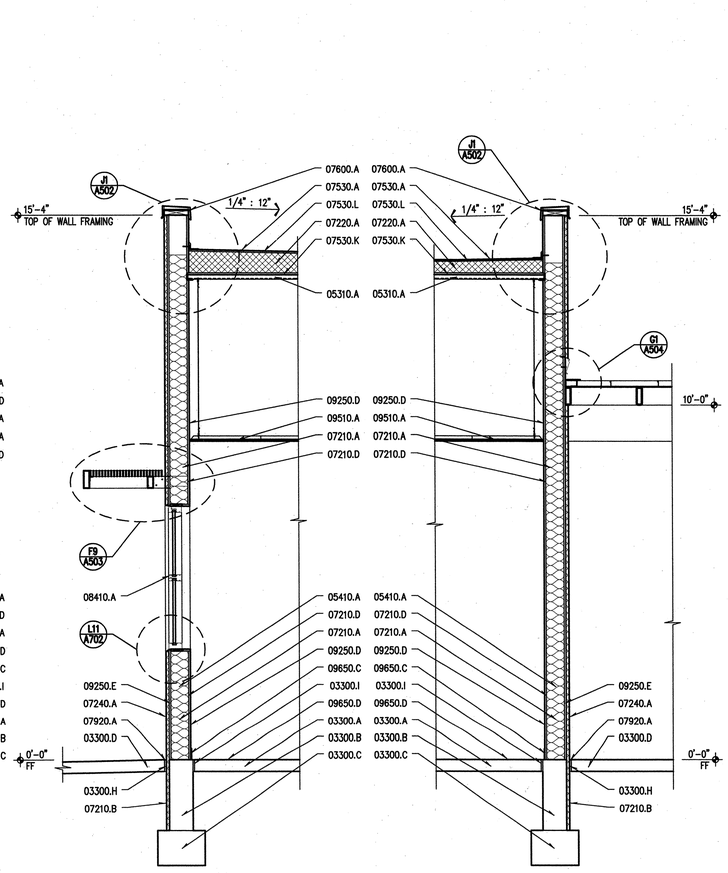
08410–ALUMINUM ENTRANCES AND STOREFRONTS
- A. GLAZED STOREFRONT, FIXED

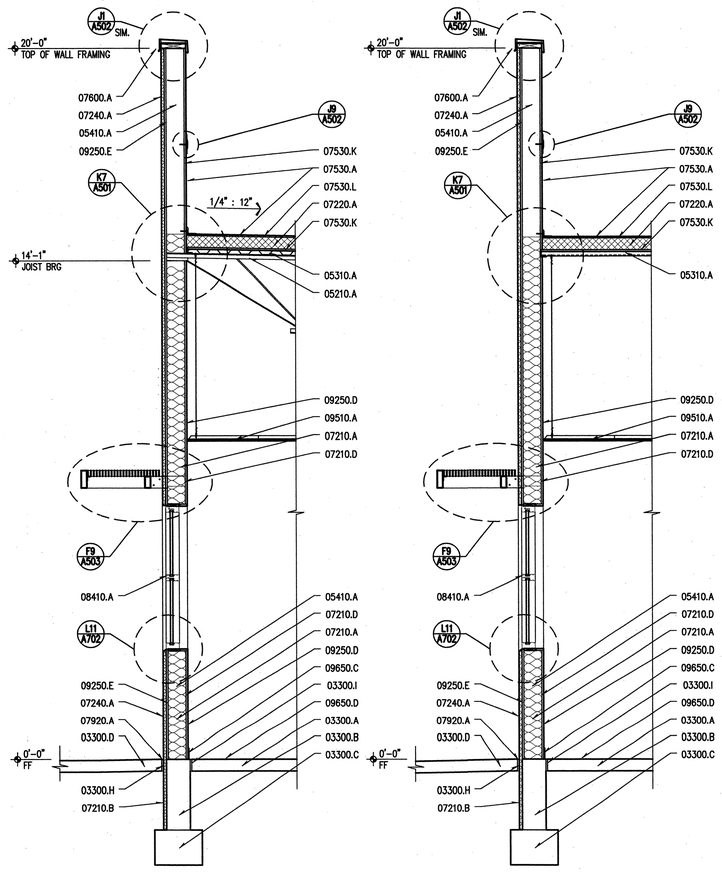
09250–GYPSUM BOARD
- A. 3 5/8" 25 GAUGE METAL STUDS @ 16" O.C.
- D. 5/8" TYPE 'X' GYPSUM BOARD
- E. 5/8" EXTERIOR GYPSUM SHEATHING
- K. TWO LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD
- M. ALLOW FOR 1" MOVEMENT BETWEEN TOP OF STUDS AND TRACK,, DO NOT ATTACH STUDS OR GYPSUM BOARD TO TRACK.
- N. 2⅝" DEEP SLOTTED RUNNER TRACK, 20 GAUGE, SEE DETAIL G1 ON THIS SHEET
- O. PROVIDE BRIDGING NEAR TOP OF STUDS

09510–SUSPENDED ACOUSTICAL CEILINGS
- A. SUSPENDED ACOUSTICAL CEILING SYSTEM

09650–RESILIENT FLOORING AND ACCESSORIES
- C. BASE AS SCHEDULED, SEE SHEET A001
- D. FLOORING AS SCHEDULED, SEE SHEET A001







A1	WALL SECTION
½"=1'-0"	A101

A3	WALL SECTION
½"=1'-0"	A101

A6	WALL SECTION
½"=1'-0"	A101

A8	WALL SECTION
½"=1'-0"	A101

A11	WALL SECTION
½"=1'-0"	A101

GENERAL NOTES

1. FOR THE PURPOSES OF THESE DRAWINGS FINISH FLOOR HEIGHT OF 5314.50 ABOVE SEA LEVEL IS EQUAL TO 0'-0"

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 12-03
WORK STAKED BY K.L. House DATE
ACCEPTANCE OF WORK BY DATE
VERIFICATION OF DRAWINGS BY DATE
CORRECTED BY DATE
MICRO–FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO
DAVID M. HASSARD
No. 1467
REGISTERED ARCHITECT
4.28.04

No.	By	Date
1	Building Permit/Review Comments	11/17/04
	DMH	

REVISIONS
Remarks
DESIGN

Designed By D. HASSARD Date 04/28/04
Drawn By A. McCOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
TELE. (505) 255–8668 FAX (505) 268–6665

URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855–7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING WALL SECTIONS AND DETAILS**

Design Review Committee
APPROVED
DESIGN REVIEW COMMITTEE

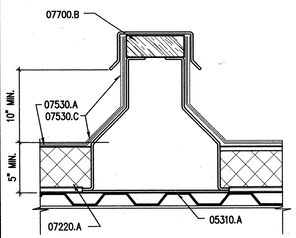
APPROVED
CITY ENGINEER

Last Design Update

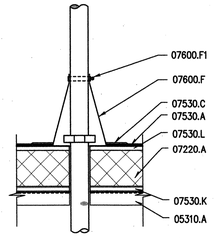
Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 5922-13 | Zone Map No. N15 | Sheet 19 Of 44 | Dwg. A502

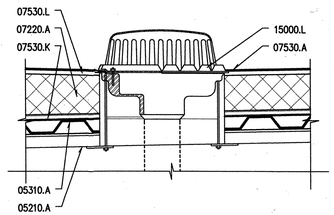
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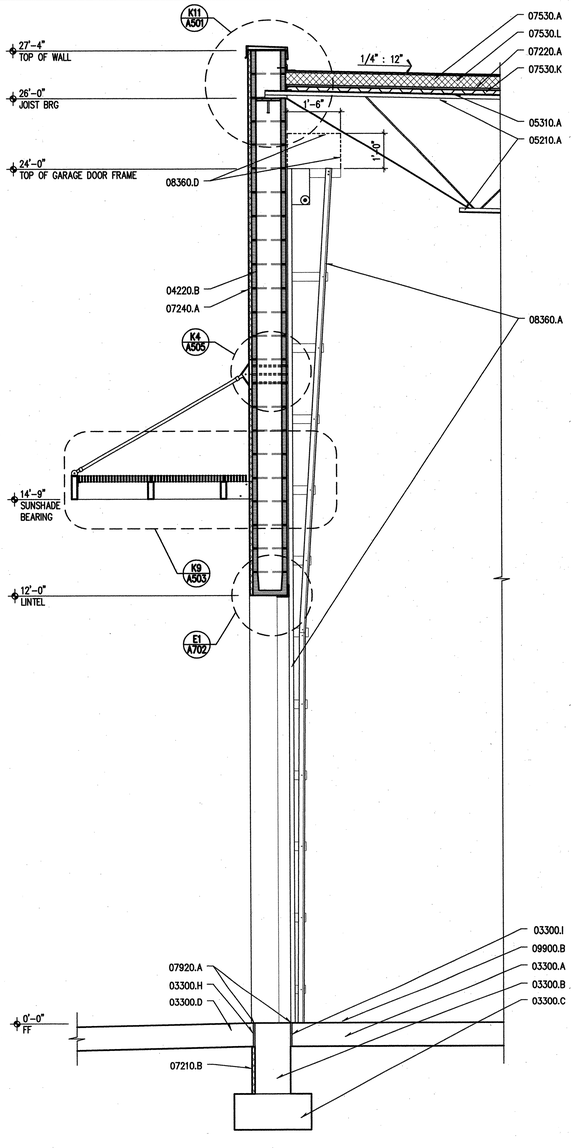
EQUIPMENT SUPPORTS

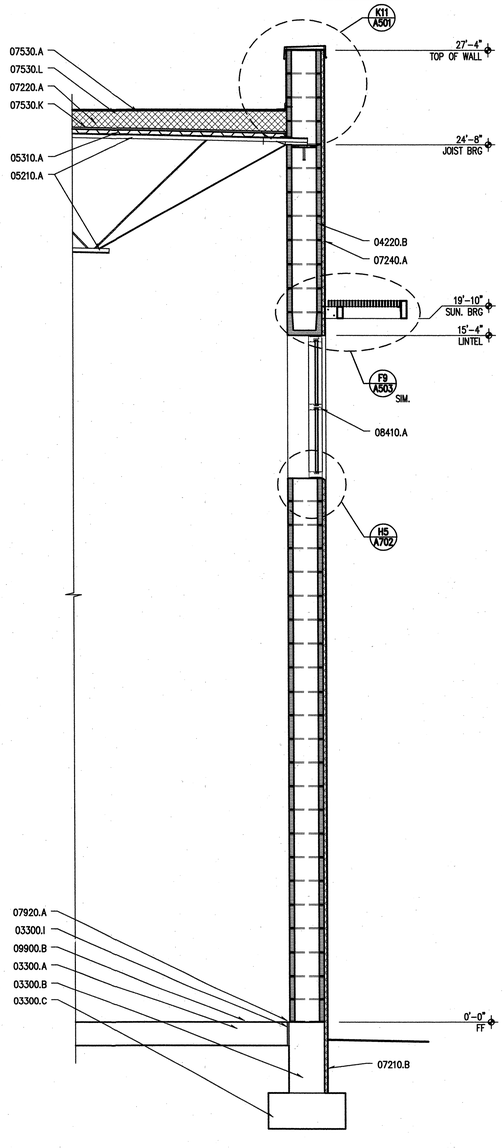


SINGLE PIPE ROOF PENETRATION



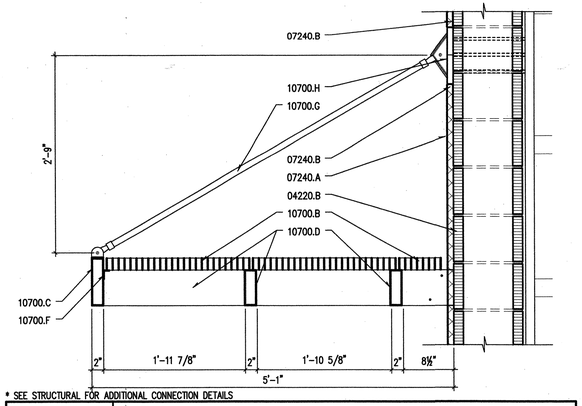
L1	EQUIP. SUPPORT	L3	PIPE PEN.	L5	ROOF DRAIN
1½"=1'-0"		1½"=1'-0"		1½"=1'-0"	





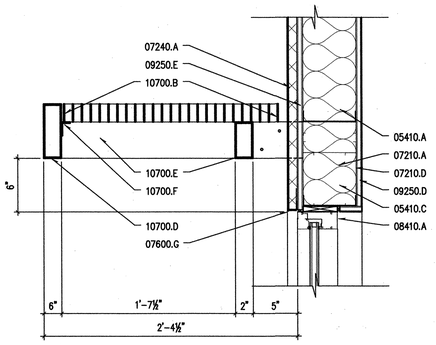
* SEE STRUCTURAL FOR ADDITIONAL CONNECTION DETAILS

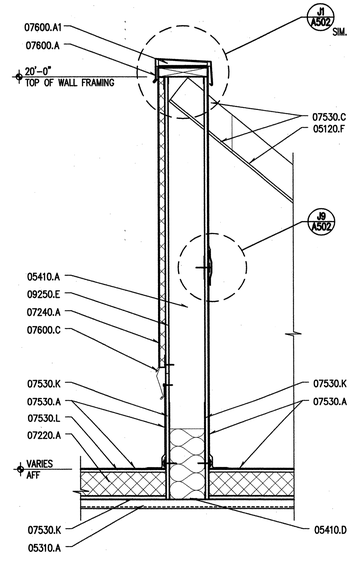
K9	CANOPY
1"=1'-0"	

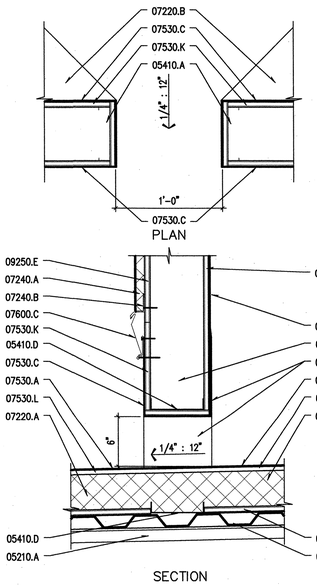


* SEE STRUCTURAL FOR ADDITIONAL CONNECTION DETAILS

F9	SUNSHADE
1½"=1'-0"	







A1	WALL SECTION	A5	WALLL SECTION	A9	ROOF SCREEN SECTION	A11	WALL DRAIN
½"=1'-0"	A101	½"=1'-0"	A101	1"=1'-0"	A102	1½"=1'-0"	A102

MATERIALS KEYING LEGEND

03300–CAST–IN–PLACE CONCRETE
- A. CONCRETE SLAB, SEE STRUCTURAL
- B. CONCRETE STEM WALL, SEE STRUCTURAL
- C. CONCRETE FOOTING, SEE STRUCTURAL
- D. CONCRETE PAVEMENT, SEE SITE DRAWINGS IN VOLUME I
- H. ½" FIBER JOINT
- I. ½" EXPANSION JOINT MATERIAL, SEE STRUCTURAL.

04220–CONCRETE MASONRY UNITS
- B. 12" CMU, GROUTED SOLID

05120–STRUCTURAL STEEL
- F. STEEL ANGLE LATERAL BRACE, SEE STRUCTURAL

05210–STEEL JOISTS
- A. STEEL JOIST, SEE STRUCTURAL

05310–STEEL DECK
- A. STEEL DECK

05410–LOAD–BEARING METAL STUDS
- A. STRUCTRAL STUD, 6"
- C. LINTEL
- D. RUNNER TRACK

07210–BUILDING INSULATION
- A. 6" R–19 BATT INSULATION
- B. 1" EXTRUDED POLYSTYRENE PERIMETER INSULATION
- D. VAPOR BARRIER

07220–ROOF AND DECK INSULATION
- A. TWO LAYERS OF 2½" RIGID POLYISOCYANURATE INSULATION, R–30 MINIMUM
- B. CRICKET SLOPED 1/4" PER 1'–0" MINIMUM

07240–EXTERIOR INSULATION AND FINISH SYSTEM
- A. EIFS (1" R–4.17 XPS INSULATION)
- B. BACKRAP FINISH 4" AT THIS LOCATION

07530–ELASTOMERIC MEMBRANE ROOFING – EPDM
- A. EPDM, FULLY ADHERED
- C. EPDM FLASHING, FULLY ADHERED
- K. 5/8" GYPSUM PROTECTION BOARD
- L. ½" GYPSUM PROTECTION BOARD

07600–FLASHING AND SHEET METAL
- A. ALUMINUM COPING
- A1. COPING CHAIR
- C. METAL COUNTERFLASHING REGLET
- F. PIPE/CONDUIT FLASHING
- F1. CLAMP
- G. METAL DRIP EDGE

07700–ROOF SPECIALTIES AND ACCESSORIES
- B. PREFABRICATED EQUIPMENT SUPPORT

07920–JOINT SEALANTS
- A. SEALANT

08360–SECTIONAL OVERHEAD DOORS
- A. GARAGE DOOR AND TRACK
- D. CLEARANCE FOR OVERHEAD DOOR

08410–ALUMINUN ENTRANCES AND STOREFRONTS
- A. GLAZED STOREFRONT, FIXED

09250–GYPSUM BOARD
- D. 5/8" TYPE 'X' GYPSUM BOARD
- E. 5/8" EXTERIOR GYPSUM SHEATHING

09900–PAINTS AND COATINGS
- B. CONCRETE COATING AS SCHEDULED, SEE SHEET A001

10700–SUN CONTROL DEWCES
- B. 24" WIDE ALUMINUM BAR GRATING
- C. 2" X 8" X 1/8" ALUMINUM TUBE
- D. 2" X 6" X 1/8" ALUMINUM TUBE
- E. 2" X 4" X 1/8" ALUMINUM TUBE
- F. ALUMINUM CLIP ANGLE.
- G. ROD WITH THREADED ENDS, PAINT TO MATCH SUNSHADES, SIZED BY SUNSHADE MANUFACTURER
- H. CABLE MOUNTING BRACKET TO BE STRUCTURALLY DESIGNED BY SUNSHADE MANUFACTURER, PAINT ENTIRE BRACKET TO MATCH SUNSHADE, SEE DETAIL K4/A505

15000–MECHANICAL
- L. ROOF DRAIN, SEE DETAIL L5/A503

GENERAL NOTES

1. FOR THE PURPOSES OF THESE DRAWINGS FINISH FLOOR HEIGHT OF 5314.50 ABOVE SEA LEVEL IS EQUAL TO 0'–0"

AS BUILT INFORMATION
CONTRACTOR K.L. House Date
WORK PERFORMED BY K.L. House
INSPECTOR'S ACCEPTANCE BY Date
AS-BUILT VERIFICATION BY Date
DRAWINGS CORRECTED BY Date
MICRO–FILM INFORMATION
RECORDED BY Date

BENCH MARKS
"1–N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO DAVID M. HASSARD No. 1467 REGISTERED ARCHITECT
4-27-04

No.	By	Remarks	Date
1	DMH	Building Permit/Review Comments	04/28/04

REVISIONS
DESIGN
Designed By D. HASSARD Date 04/28/04
Drawn By A. McGOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
TELE. (505) 255–8668 FAX (505) 268–6665

URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855–7500

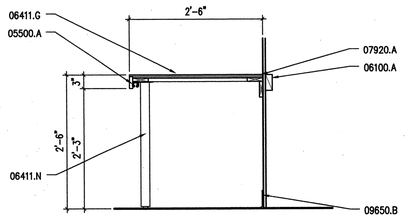
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

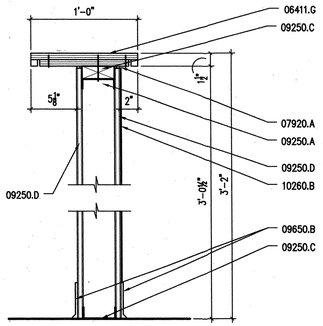
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SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
WALL SECTIONS AND DETAILS

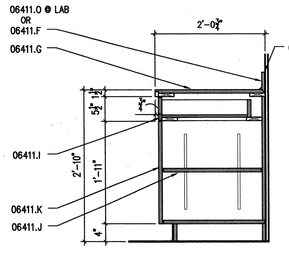
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APPROVED CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

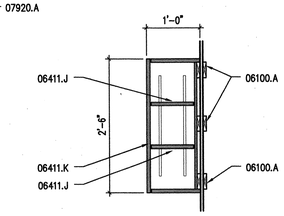
City Project No. 5922-13 | Zone Map No. N15 | Sheet 20 Of 44 | Dwg. A503

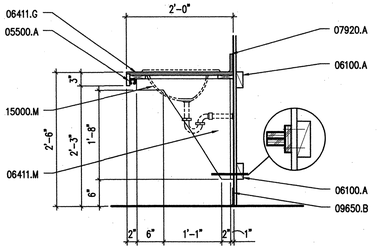
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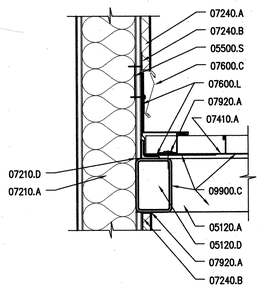


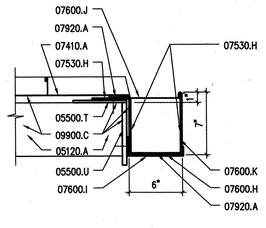


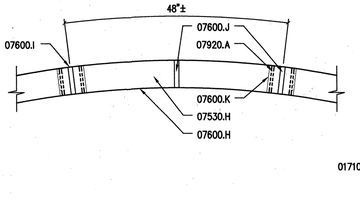


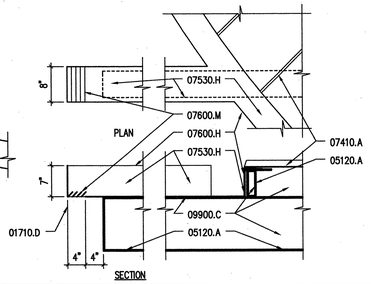


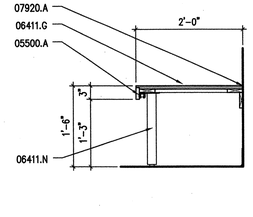
K1	COUNTER SUPPORT	K4	RECEPTION COUNTER	K7	BASE CABINET	K9	UPPER CABINET	K11	COUNTER SUPPORT
3/4"=1'-0"		1½"=1'-0"		3/4"=1'-0"		3/4"=1'-0"		3/4"=1'-0"	

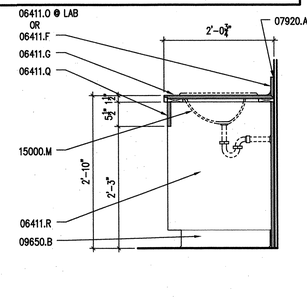




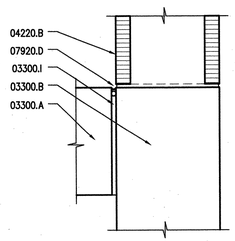




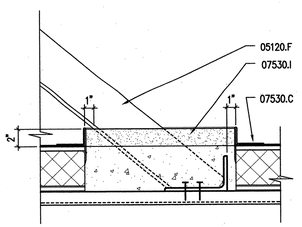


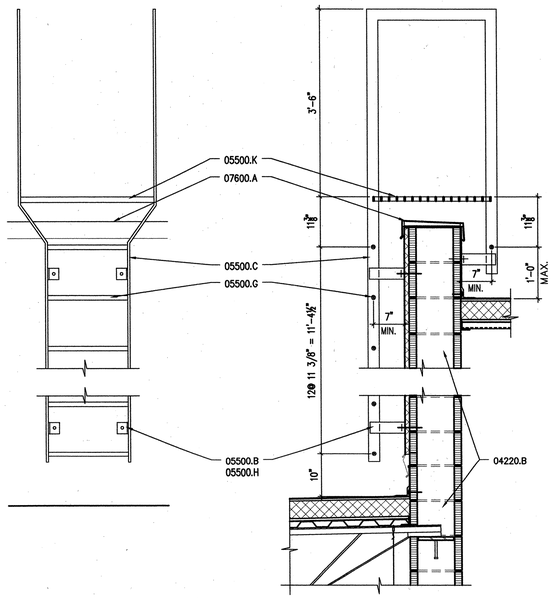


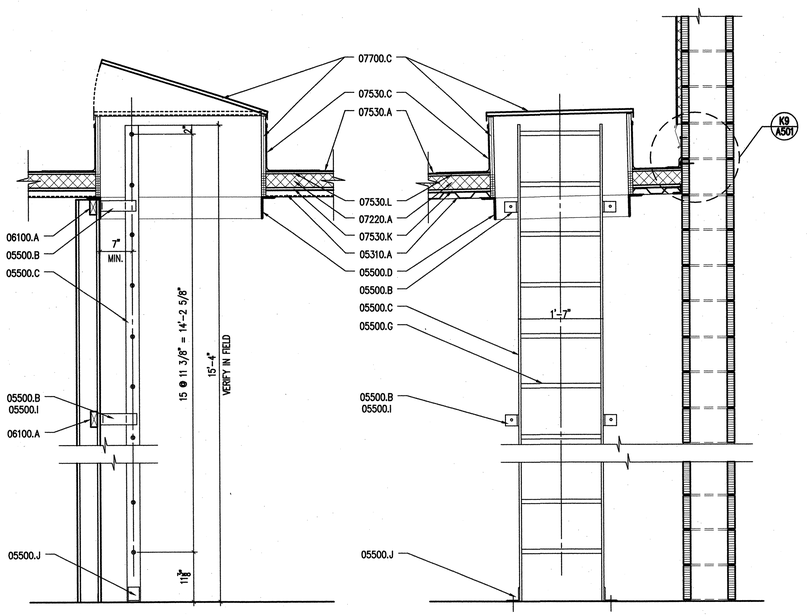
G1	CANOPY DETAIL	G3	CANOPY DETAIL	G5	CANOPY DETAIL	G7	CANOPY DETAIL	G10	CHANGING BENCH	G12	COUNTER TOP
1½"=1'-0"		1½"=1'-0"		3/4"=1'-0"		3/4"=1'-0"		3/4"=1'-0"		3/4"=1'-0"	



D1	MAINTENANCE JOINT DETAIL
1½"=1'-0"	







A1	LATERAL BRACE FLASHING	A4	ACCESS LADDER	A8	ROOF HATCH AND LADDER
1½"=1'-0"		3/4"=1'-0"		3/4"=1'-0"	

MATERIALS KEYING LEGEND

01710–COORDINATION
- D. ALIGN PLANTER BELOW, SEE DETAIL B5/A202

03300–CAST–IN–PLACE CONCRETE
- A. CONCRETE SLAB, SEE STRUCTURAL
- B. CONCRETE STEM WALL, SEE STRUCTURAL
- I. ½" EXPANSION JOINT MATERIAL, SEE STRUCTURAL.

04220–CONCRETE MASONRY UNITS
- B. 12" CMU, GROUTED SOLID

05120–STRUCTURAL STEEL
- A. STEEL TUBE
- D. STEEL TUBE LEDGER, SEE STRUCTURAL
- F. STEEL ANGLE LATERAL BRACE, SEE STRUCTURAL

05310–STEEL DECK
- A. STEEL DECK

05500–METAL FABRICATIONS
- A. UNISTRUT
- B. 2½" X 1/4" BENT PLATE BRACKET, 48" O.C. MAX.
- C. 2½" X 3/8" STEEL BAR
- D. STEEL ANGLE FRAME, SEE STRUCTURAL
- G. 1" DIA. STEEL BARS, GRIND ALL WELDS SMOOTH
- H. MOUNT TO WALL WITH ½" DIA. EXPANSION ANCHORS
- I. MOUNT TO SOLID BLOCKING IN WALL
- J. 3" X 3" X 1/4" STEEL ANGLE, MOUNT TO FLOOR SLAB WITH ½" DIA. EXPANSION ANCHORS
- K. STEEL GRATING PLAITFORM, 1" X 1/8" BARS
- S. 4" X 16 GAUGE CONTINOUS ATTACHMENT BAR, TYPICAL AT STRUCTURAL STUD PARAPETS
- T. ¼" X 6" STEEL PLATE, SEE STRUCTURAL
- U. 3/8" X 7" STEEL PLATE, SEE STRUCTURAL

06100–ROUGH CARPENTRY
- A. WOOD BLOCKING

06411–PLASTIC LAMINATE CASEWORK
- F. 4" BACK SPLASH
- G. COUNTER TOP
- I. DRAWER
- J. ADJUSTABLE SHELF
- K. CABINET DOOR
- M. ½" PLYWOOD SUPPORT
- N. 2" X 2" STAINLESS TUBE STEEL LEG
- O. EPOXY COUNTER TOP
- Q. APRON
- R. PLASTIC LAMINATE COVERED END PANEL

07210–BUILDING INSULATION
- A. 6" R–19 BATT INSULATION
- D. VAPOR BARRIER

07220–ROOF AND DECK INSULATION
- A. TWO LAYERS OF 2½" RIGID POLYISOCYANURATE INSULATION, R–30 MINIMUM

07240–EXTERIOR INSULATION AND FINISH SYSTEM
- A. EIFS (1" R–4.17 XPS INSULATION)
- B. BACKRAP FINISH 4" AT THIS LOCATION

07410–METAL ROOF AND WALL PANELS
- A. 22 GAUGE 2" STANDING SEAM ROOF PANELS, SET AT 45° TO PURLINS

07530–ELASTOMERIC MEMBRANE ROOFING – EPDM
- A. EPDM, FULLY ADHERED
- C. EPDM FLASHING, FULLY ADHERED
- H. LINE GUTTER WITH EPDM, FULLY ADHERED
- I. METAL PITCH PAN WITH 2" THICK SEALER, MOUNDED TO SLOPE WATER, FILL REST OF PAN WITH NON–SHRINK GROUT.
- K. 5/8" GYPSUM PROTECTION BOARD
- L. ½" GYPSUM PROTECTION BOARD

07600–FLASHING AND SHEET METAL
- A. ALUMINUM COPING
- C. METAL COUNTERFLASHING REGLET
- H. 22 GAUGE METAL GUTTER
- I. 1" 12 GAUGE GALVANIZED BRACKET, THREE PER GUTTER SECTION
- J. 1" 12 GAUGE GALVANIZED STRAP, THREE PER GUTTER SECTION
- K. 6" SPLICE PLATE, RIVET TO ONE SIDE, INSTALL SEALANT BOTH SIDES, SEE DETAIL G5/A504
- L. METAL FLASHING, CONTINUE UNDER ROOF PANELS A MINIMUM OF 8" AND UP AND UNDER REGLET
- M. 1" DIRECTIONAL VANES FOR WATER

07700–ROOF SPECIALTIES AND ACCESSORIES
- C. ROOF HATCH

07900–JOINT SEALANTS
- A. SEALANT
- D. CHEMCIAL RESISTANT SEALANT

09250–GYPSUM BOARD
- A. 3 5/8" 25 GAUGE METAL STUDS @ 16" O.C.
- C. RUNNER TRACK, 20 GAUGE
- D. 5/8" TYPE 'X' GYPSUM BOARD

09650–RESILIENT FLOORING AND ACCESSORIES
- B. 4" RESILIENT BASE

09900–PAINTS AND COATINGS
- C. PAINT ALL METAL SURFACES OF CANOPY INCLUDING THE UNDERSIDE OF METAL ROOFING

10260–WALL PROTECTION
- B. RIGID VINYL WAINSCOT

15000–MECHANICAL
- M. LAVATORY, SEE PLUMBING

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 4-28-04
WORK VERIFIED BY K.L. House
INSPECTOR'S ACCEPTANCE BY DATE
VERIFICATION BY DATE
COMMENTS DATE
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

MICRO–FILM INFORMATION
RECORDED BY DATE

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO
DAVID M. HASSARD
No. 14671
REGISTERED ARCHITECT
4-28-04

No.	By	Date
	DMH	04/28/04

REVISIONS

No.	Remarks	Date
1	Building Permit/Review Comments	04/28/04

DESIGN
Designed By D. HASSARD Date 04/28/04
Drawn By A. McCOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

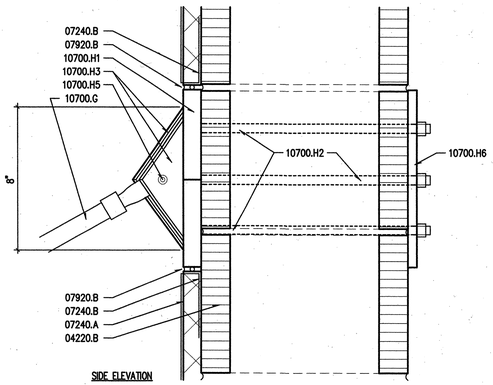
TITLE:
SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
MISCELLANEOUS DETAILS

Design Review Committee
APPROVED MAY 2004 DESIGN REVIEW COMMITTEE
APPROVED MAR 0 8 2005 CITY ENGINEER
Last Design Update

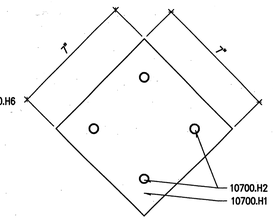
	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 5922-13 | Zone Map No. N15 | Sheet 21 Of 44 | Dwg. A504

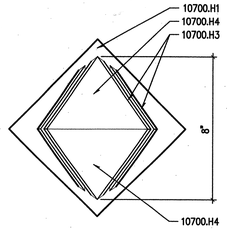
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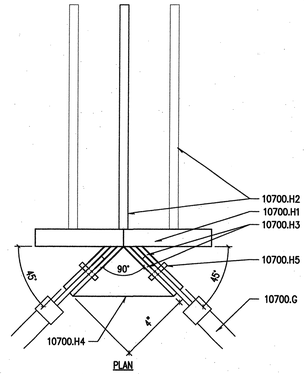
SIDE ELEVATION



BACK ELEVATION

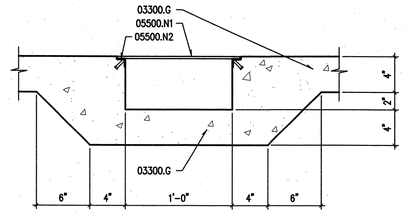


FRONT ELEVATION



PLAN

K4	CABLE MOUNTING BRACKET
3"=1'-0"	



G10	TRENCH DRAIN
1½" = 1'-0"	

MATERIALS KEYING LEGEND

03300–CAST–IN–PLACE CONCRETE
- G. 4" CONCRETE SLAB WITH FIBERMESH REINFORCEMENT

04220–CONCRETE MASONRY UNITS
- B. 12" CMU, GROUTED SOLID

05500–METAL FABRICATIONS
- N1. 1/4" CHECKERED STEEL PLATE ANCHORED WITH FLAT HEAD MACHINE SCREWS AT 1'–0" O.C.
- N2. 1½" X 1½" X 1/8" STEEL ANGLE SET INTO CONCRETE

07240–EXTERIOR INSULATION AND FINISH SYSTEM
- A. EIFS (1" R–4.17 XPS INSULATION)
- B. BACKRAP FINISH 4" AT THIS LOCATION

07920–JOINT SEALANTS
- B. SEALANT AND BACKER ROD

10700–SUN CONTROL DEVICES
- G. THREADED ROD PAINT TO MATCH SUNSHADES, SIZED BY SUNSHADE MANUFACTURER
- H1. 7" X 7" X 1" BASE PLATE, PAINT TO MATCH SUNSHADES
- H2. ANCHOR BOLTS WELDED TO BASE PLATE, SIZED BY SUNSHADE MANUFACTURER
- H3. 8" HIGH X 4" WIDE TRIANGULAR FINS WELDED TO BASE PLATE AND PAINTED TO MATCH SUNSHADES, THICKNESS BY SUNSHADE MANUFACTURER
- H4. 24 GAUGE BREAK METAL COVER, ATTACH TO FINS AND PAINT TO MATCH SUNSHADES
- H5. BOLT SIZED BY SUNSHADE MANUFACTURER
- H6. BASE PLATE TO BE SIZED BY SUNSHADE MANUFACTURER

AS BUILT INFORMATION
CONTRACTOR K-L House DATE 2004
WORK STAKED BY K-L House DATE
INSPECTOR'S FIELD CHANGES BY DATE
FIELD VERIFICATIONS BY DATE
CORRECTED BY
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No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO — DAVID M. HASSARD — No. 1467 — REGISTERED ARCHITECT
4-28-04

No.	Date	Remarks	By
1	10/11/04	Building Permit/Review Comments	DMH

REVISIONS
DESIGN
Designed By D. HASSARD Date 04/28/04
Drawn By A. McGOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

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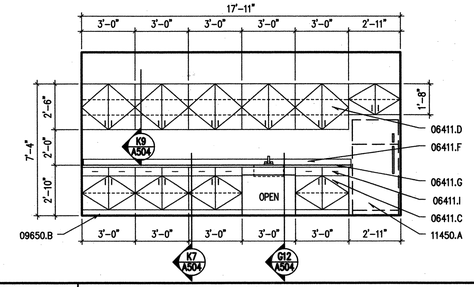
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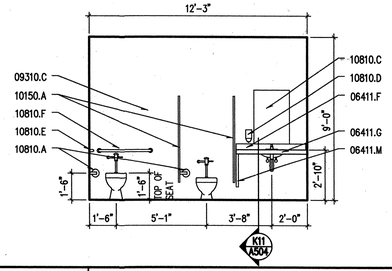
Design Review Committee
APPROVED JUL – 9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL – 9 2004 CITY ENGINEER

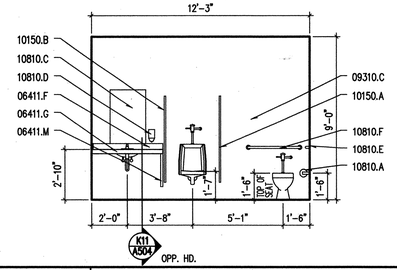
Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

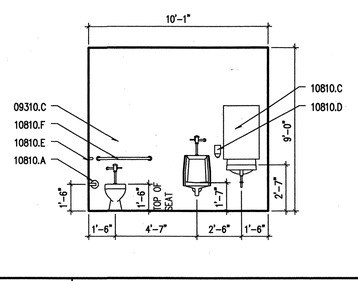
City Project No. 5922-13 | Zone Map No. N15 | Sheet 22 Of 44 | Dwg. A505

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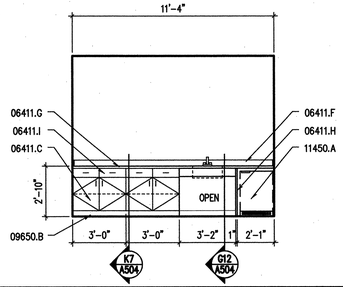


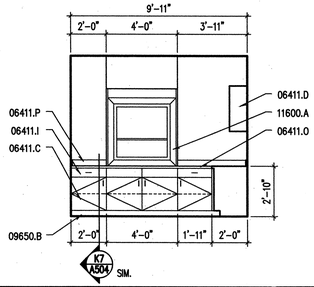


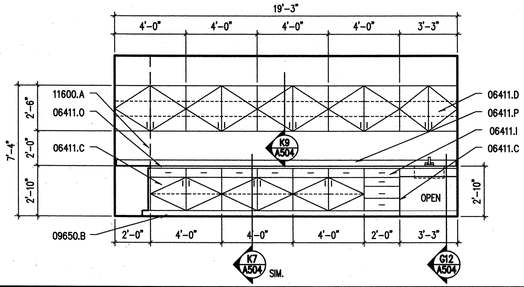


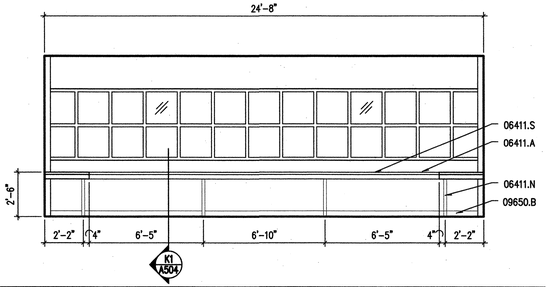


L1	BREAK 103	L5	WOMEN 105	L8	MEN 107	L11	RESTROOM 126
1/4"=1'-0"	A101	1/4"=1'-0"	A301	1/4"=1'-0"	A301	1/4"=1'-0"	A301

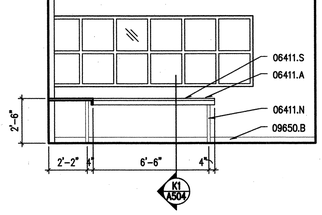


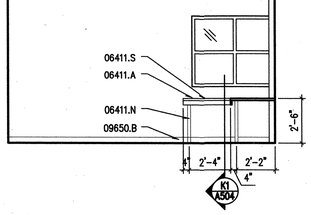


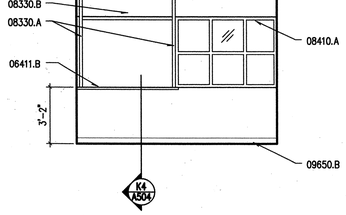


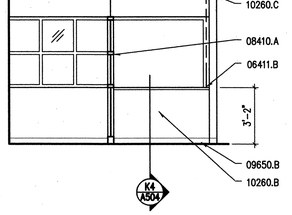


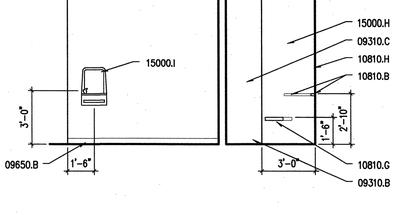
H1	BREAK 129	H4	LAB 131	H6	LAB 131	H10	CONTROL 133
1/4"=1'-0"	A101	1/4"=1'-0"	A101	1/4"=1'-0"	A101	1/4"=1'-0"	A101



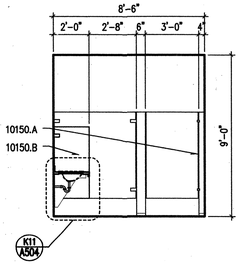


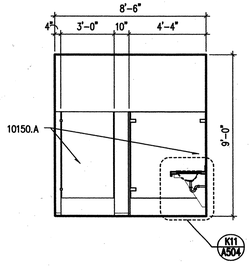


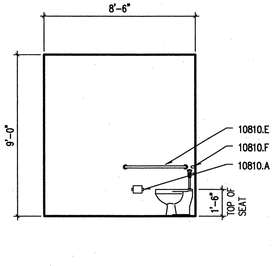


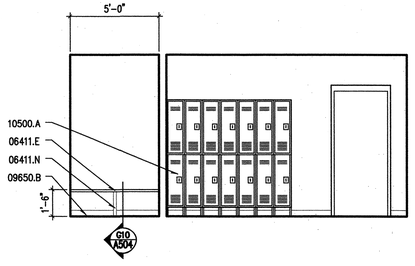


E1	CONTROL 133	E4	CONTROL 133	E7	RECEPTION 110	E9	RECEPTION 110	E11	LOCKER 125, SHOWER 127
1/4"=1'-0"	A101	1/4"=1'-0"	A101	1/4"=1'-0"	A101	1/4"=1'-0"	A101	1/4"=1'-0"	A301









MEN 107 AND RESTROOM 126 ARE SIMILIAR

B5	MEN 107	B7	WOMEN 105	B9	WOMEN 105	B11	LOCKER 125, SHOWER 127
1/4"=1'-0"	A301	1/4"=1'-0"	A301	1/4"=1'-0"	301	1/4"=1'-0"	A301

MATERIALS KEYING LEGEND

06411–PLASTIC LAMINATE CASEWORK
- A. WORK SURFACE
- B. RECEPTION COUNTERTOP, SEE DETAIL K4/A504
- C. BASE CABINET
- D. UPPER CABINET
- E. 2'–0" X 5'–0" BENCH
- F. 4" BACK SPLASH
- G. COUNTER TOP
- H. 1" END PANEL SUPPORT SUPPORT
- I. DRAWER
- M. 1¾" PLYWOOD SUPPORT
- N. 2" X 2" STAINLESS TUBE STEEL LEG
- O. EPOXY COUNTER TOP
- P. 4" EPOXY BACK SPLASH
- S. 4" DIAMETER GROMMETS AT 48" O.C., VERIFY LOCATIONS DURING EQUIPMENT INSTALLATION.

08330–COILING DOORS AND GRILLES
- A. COILING DOOR FRAME
- B. COILING DOOR HOOD

08410–ALUMINUM ENTRANCES AND STOREFRONTS
- A. GLAZED STOREFRONT, FIXED

09310–CERAMIC TILE
- B. CERAMIC TILE COVE BASE
- C. CERAMIC TILE, SEE ROOM FINISH SCHEDULE

09650–RESILIENT FLOORING AND ACCESSORIES
- B. 4" RESILIENT BASE

10150–COMPARTMENTS AND CUBICLES
- A. TOILET PARTITION
- B. URINAL SCREEN

10260–WALL PROTECTION
- B. RIGID VINYL WAINSCOT
- C. CORNER GUARD, WP–2

10500–LOCKERS
- A. DOUBLE TIER LOCKERS (O.F.O.I.)

10810–TOILET ACCESSORIES
- A. TOILET PAPER DISPENSER, MOUNT 7" – 9" IN FRONT OF TOILET
- B. GRAB BARS
- C. 24" X 36" 1/4" MIRROR GLASS
- D. SOAP DISPENSER
- E. 42" LONG GRAB BARS
- F. 36" LONG GRAB BARS
- G. SHOWER BENCH
- H. SHOWER CONTROL WALL

11450–APPLIANCES
- A. REFRIGERATOR (O.F.O.I.)

11600–LABORATORY EQUIPMENT
- A. FUME HOOD, SEE MECHANICAL

15000–MECHANICAL
- H. PREFABRICATED SHOWER, SEE PLUMBING
- I. DRINKING FOUNTAIN, SEE PLUMBING

GENERAL NOTES

1. FIELD VERIFY ALL DIMENSION FOR CABINETRY, PROVIDE CABINETRY SCRIBES AS REQUIRED.

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 2-4-04
WORK STARTED BY K.L. House DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION DATE
RECORDED BY

BENCH MARKS
"1–N16 RESET" AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO DAVID M. HASSARD No. 1467 REGISTERED ARCHITECT
4-28-04

No.	Remarks	By	Date
1	Building Permit/Review Comments	DMH	04/28/04

REVISIONS
DESIGN
Designed By D. HASSARD Date 04/28/04
Drawn By A. McGOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
TELE. (505) 255–8668 FAX (505) 268–6665

URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855–7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

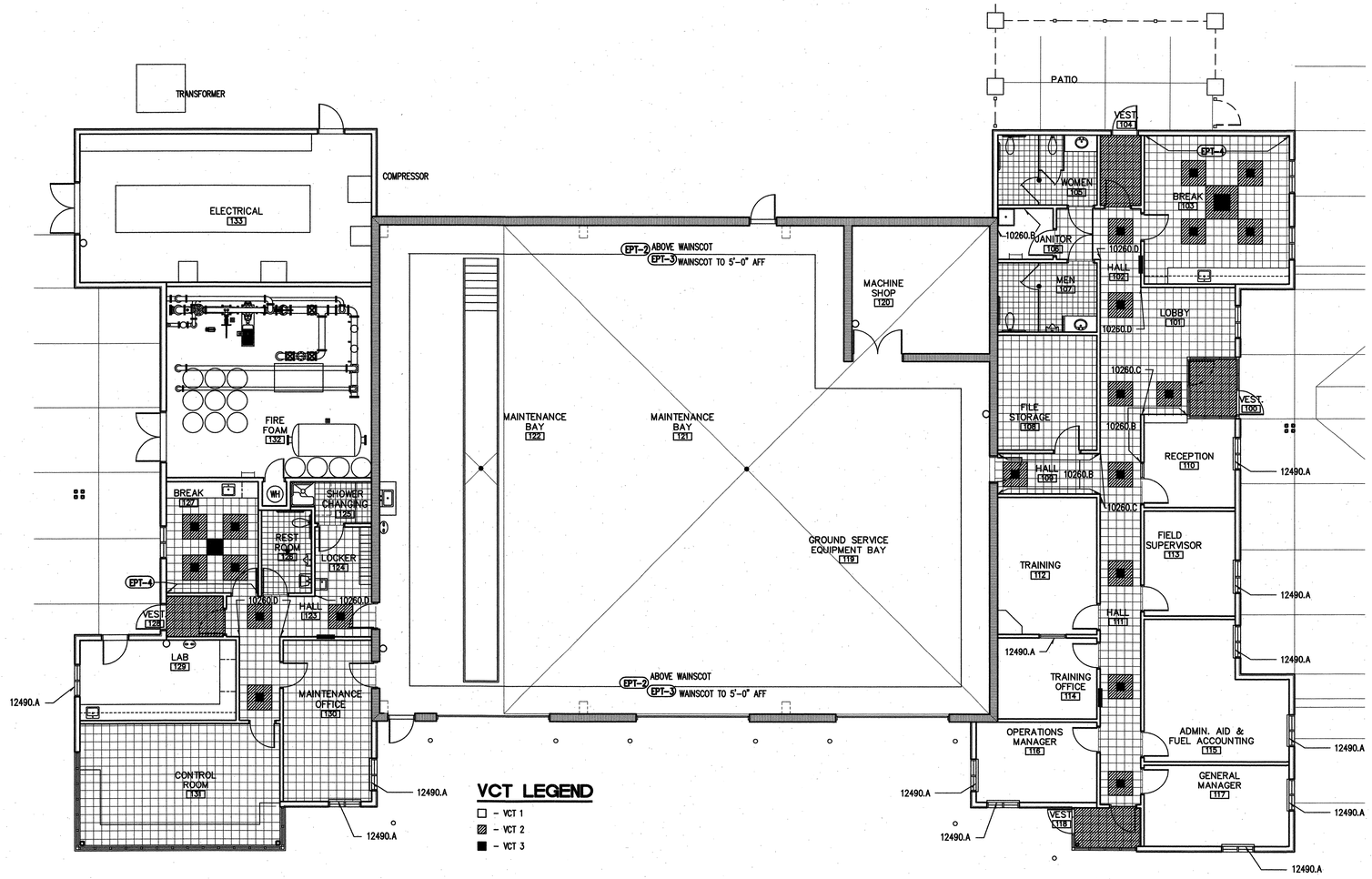
TITLE: **SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING INTERIOR ELEVATIONS**

Design Review Committee
APPROVED MAR 0 8 2004 DESIGN REVIEW COMMITTEE
APPROVED MAR 0 8 2005 CITY ENGINEER
Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 13 5922-■ | Zone Map No. N15 | Sheet 23 Of 44 | Dwg. A601

NAME: A601.dwg DATE: NOV 12, 2004 TIME: 11:03 AM PLOT SCALE: 1" = 4'-0"

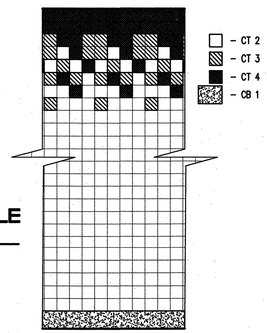


VCT LEGEND

- □ – VCT 1
- ▨ – VCT 2
- ■ – VCT 3

CERAMIC TILE LEGEND

- □ – CT 2
- ▨ – CT 3
- ■ – CT 4
- ▩ – CB 1



B3	INTERIOR FINISHES
1/8"=1'-0"	A101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

A10	CERAMIC TILE PATTERN – TYPICAL
1/2"=1'-0"	A101

MATERIALS KEYING LEGEND

10260–WALL PROTECTION
- B. RIGID VINYL WAINSCOT
- C. CORNER GUARD, WP–2
- D. CORNER GUARD, WP–3

12490–WINDOW TREATMENT
- A. HORIZONTAL 1" METAL BLINDS

GENERAL NOTES:

1. REFER TO ROOM FINISH SCHEDULE ON SHEET A001 FOR FINISH SELECTIONS AND LOCATIONS.
2. ALL WALLS TO BE PAINTED EITHER PT–1 OR EPT–2, UNLESS NOTED OTHERWISE.
3. REFER TO PROJECT MANUAL FOR MATERIAL & FINISH LEGEND FOR ALL COLOR SELECTIONS.

AS BUILT INFORMATION
CONTRACTOR K.L. Houser DATE 8/2/04
WORK STAKED BY K.L. Houser DATE
INSPECTION & ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY
MICRO–FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO DAVID M. HASSARD No. 1467 REGISTERED ARCHITECT

No.	Remarks	By	Date
1	10/11/04 Building Permit/Review Comments	DMH	04/28/04

REVISIONS
DESIGN Designed By D. HASSARD Date 04/28/04
Drawn By McCOEY/FULLER Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
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URS
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6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855–7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE:
SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
INTERIOR FINISHES

Design Review Committee — APPROVED — Mo./Day/Yr. — JUL -8 — DESIGN REVIEW COMMITTEE
Last Design Update — APPROVED — Mo./Day/Yr. — JUL -8 — CITY ENGINEER

City Project No. 5922-13 | Zone Map No. N15 | Sheet 24 Of 44 | Dwg. A602

NAME: A602.dwg DATE: MAY 03, 2004 TIME: 8:45 AM PLOT SCALE: 1" = 8'-0"

MATERIALS KEYING LEGEND

03300–CAST–IN–PLACE CONCRETE
- A. CONCRETE SLAB, SEE STRUCTURAL
- I. ½" EXPANSION JOINT MATERIAL, SEE STRUCTURAL.

04220–CONCRETE MASONRY UNITS
- B. 12" CMU, GROUTED SOLID
- C. CMU LINTEL, SEE STRUCTURAL

05410–LOAD–BEARING METAL STUDS
- A. STRUCTRAL STUD, 6"
- B. DOUBLE STUDS AT JAMB
- C. LINTEL

05500–METAL FABRICATIONS
- R. STEEL ANCHOR BAR – 3/4" X 1 1/2" X LENGTH REQ'D., WITH ANCHOR STRAPS AT 1'–4" O.C.

07210–BUILDING INSULATION
- A. 6" R–19 BATT INSULATION
- C. 3½" ACOUSTICAL BATT INSULATION
- D. VAPOR BARRIER

07240–EXTERIOR INSULATION AND FINISH SYSTEM
- A. EIFS (1" R–4.17 XPS INSULATION)
- B. BACKRAP FINISH 4" AT THIS LOCATION

07600–FLASHING AND SHEET METAL
- G. METAL DRIP EDGE

07920–JOINT SEALANTS
- A. SEALANT

08110–STEEL DOORS AND FRAMES
- A. HOLLOW METAL FRAME
- B. DOOR, SEE DOOR SCHEDULE ON A001
- D. FRAME ANCHOR

08210–WOOD DOORS
- A. DOOR, SEE DOOR SCHEDULE ON A001

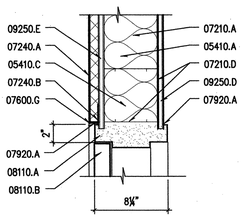
08330–COILING DOORS AND GRILLES
- B. COILING DOOR HOOD

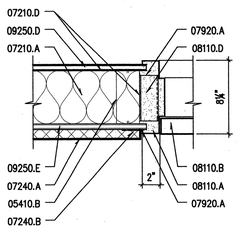
08410–ALUMINUM ENTRANCES AND STOREFRONTS
- A. GLAZED STOREFRONT, FIXED
- B. DOOR THRESHOLD
- C. DOOR, SEE DOOR SCHEDULE ON A001
- D. STOREFRONT FRAME

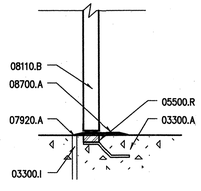
08700–DOOR HARDWARE
- A. THRESHOLD

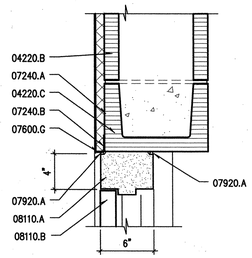
08800–GLAZING
- A. 1" INSULATED SAFETY GLAZING, TYPICAL ALL UNITS
- C. 1/4" SAFETY GLASS, TYPICAL ALL UNITS

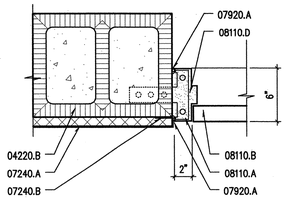
09250–GYPSUM BOARD
- A. 3 5/8" 25 GAUGE METAL STUDS @ 16" O.C.
- D. 5/8" TYPE 'X' GYPSUM BOARD
- E. 5/8" EXTERIOR GYPSUM SHEATHING
- H. DOUBLE STUDS, 20 GAUGE

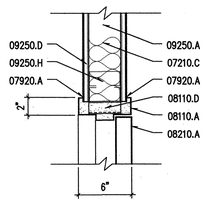






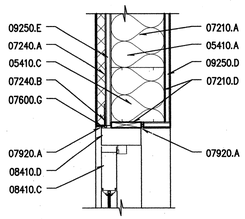


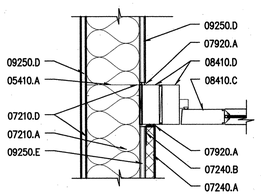


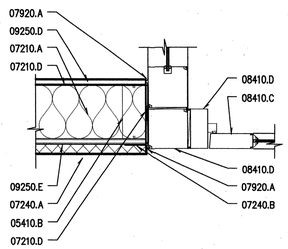


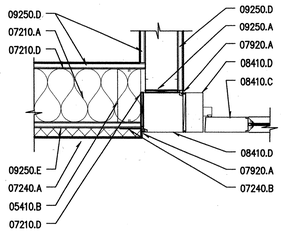
* HEAD IS SIMILIAR

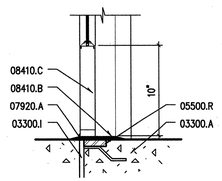
K1	DOOR HEAD	K3	DOOR JAMB	K5	DOOR THRESOLD	K7	DOOR HEAD	K9	DOOR JAMB	K11	DOOR JAMB/HEAD*
1½"=1'–0"		1½"=1'–0"		1½"=1'–0"		1½"=1'–0"		1½"=1'–0"		1½"=1'–0"	

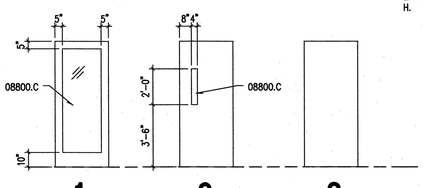




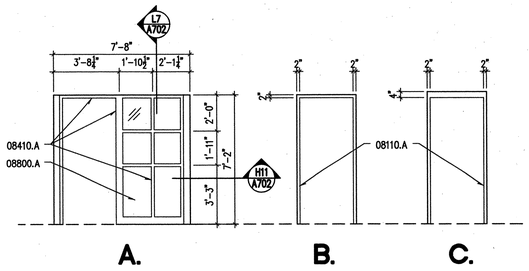


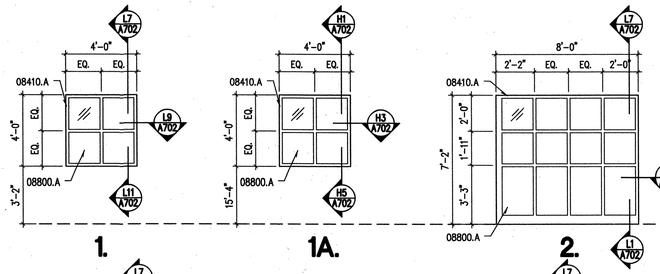


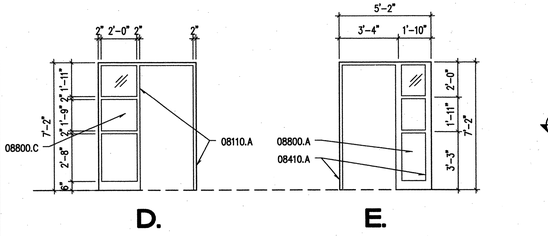


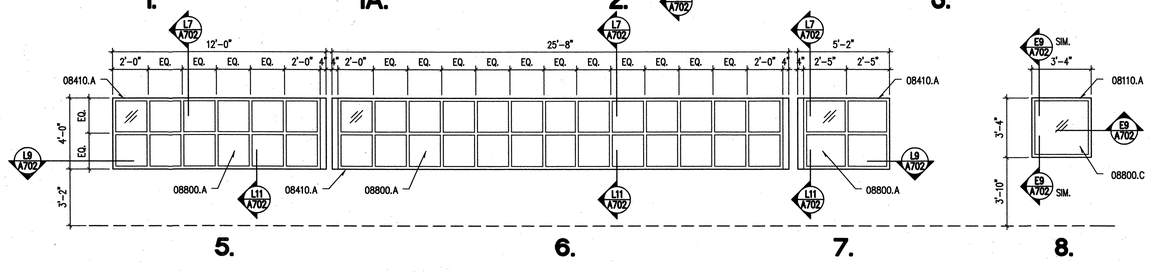


G1	DOOR HEAD	G3	STOREFRONT JAMB	G5	STOREFRONT JAMB	G7	STOREFRONT JAMB	G9	THRESHOLD	G4	DOOR TYPES
1½"=1'–0"		1 1/2"=1'–0"		1 1/2"=1'–0"		1 1/2"=1'–0"		1 1/2"=1'–0"		1/4"=1'–0"	A001









B1	FRAME TYPES ⟨–⟩	B6	WINDOW TYPES ⟨–⟩
1/4"=1'–0"	A001	1/4"=1'–0"	A101, A201, A401

NAME: A701.dwg DATE: NOV 12, 2004 TIME: 10:58 AM PLOT SCALE: 1" = 4'–0"

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 2-26-04
WORK STAKED BY K.L. House DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO–FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET" AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO DAVID M. HASSARD No. 1467 REGISTERED ARCHITECT
4-28-04

No.	By	Remarks	Date
1	DMH	Building Permit/Review Comments	04/28/04

REVISIONS
DESIGN

Designed By D. HASSARD Date 04/28/04
Drawn By A. McGOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
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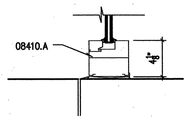
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

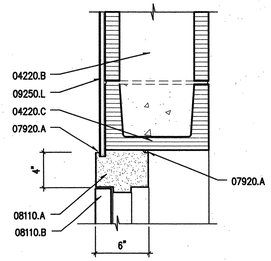
TITLE:
SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
DOOR & WINDOW TYPES, AND DETAILS

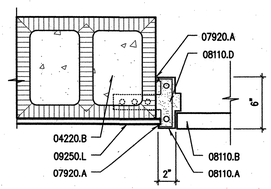
Design Review Committee
APPROVED MAR 2 2004 DESIGN REVIEW COMMITTEE
APPROVED MAR 2 2004 CITY ENGINEER
Last Design Update

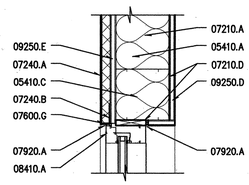
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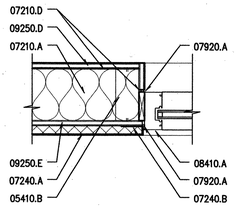
City Project No. 13 5922-[redacted]
Zone Map No. N15
Sheet 25 Of 44
Dwg. A701

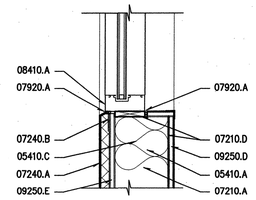




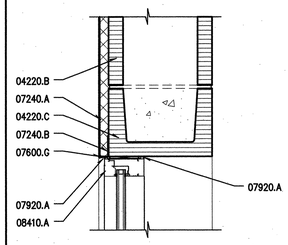


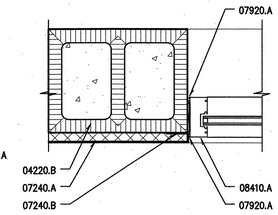


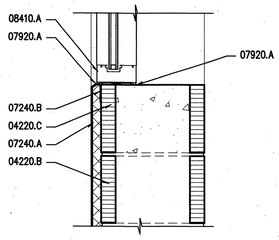


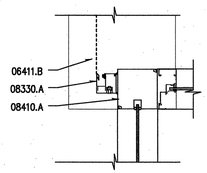


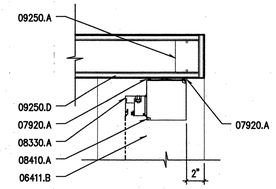
L1	STOREFRONT SILL	L3	DOOR HEAD	L5	DOOR JAMB	L7	WINDOW HEAD	L9	WINDOW JAMB	L11	WINDOW SILL
1 1/2"=1'-0"		1½"=1'-0"		1½"=1'-0"		1 1/2"=1'-0"		1 1/2"=1'-0"		1 1/2"=1'-0"	

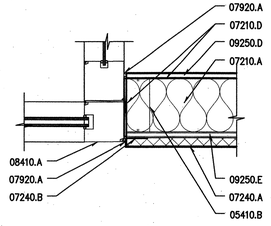




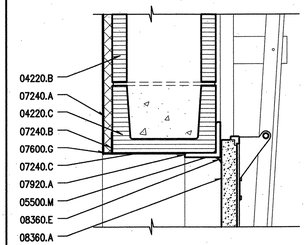


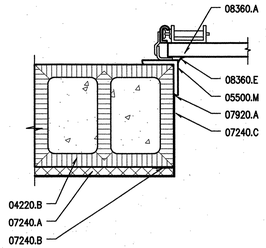


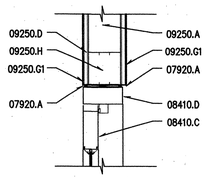


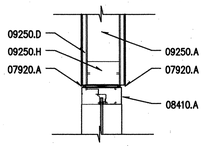


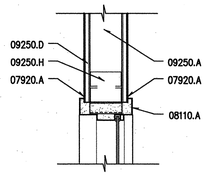
H1	WINDOW HEAD	H3	WINDOW JAMB	H5	WINDOW SILL	H7	WINDOW JAMB	H9	WINDOW JAMB	H11	STFNT/ WIN. JAMB
1 1/2"=1'-0"		1 1/2"=1'-0"		1 1/2"=1'-0"		1½"=1'-0"		1½"=1'-0"	A001	1 1/2"=1'-0"	

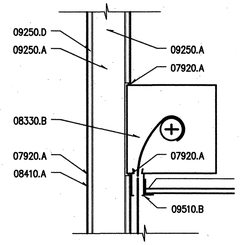












* HEAD IS SIMILIAR

* HEAD / SILL IS SIMILIAR

* HEAD / SILL IS SIMILIAR

E1	GARAGE HEAD	E3	GARAGE JAMB	E5	DOOR JAMB/HEAD*	E7	WINDOW JAMB*	E9	WINDOW JAMB*	E11	COILING DOOR HEAD
1½"=1'-0"		1½"=1'-0"		1½"=1'-0"		1½"=1'-0"		1½"=1'-0"		1½"=1'-0"	

MATERIALS KEYING LEGEND

04220–CONCRETE MASONRY UNITS
- B. 12" CMU, GROUTED SOLID
- C. CMU LINTEL, SEE STRUCTURAL

05410–LOAD–BEARING METAL STUDS
- A. STRUCTRAL STUD, 6"
- B. DOUBLE STUDS AT JAMB
- C. LINTEL

05500–METAL FABRICATIONS
- M. STEEL ANGLE FRAME FOR OVERHEAD DOOR

06411–PLASTIC LAMINATE CASEWORK
- B. RECEPTION COUNTERTOP, SEE DETAIL K4/A504

07210–BUILDING INSULATION
- A. 6" R–19 BATT INSULATION
- D. VAPOR BARRIER

07240–EXTERIOR INSULATION AND FINISH SYSTEM
- A. EIFS (1" R–4.17 XPS INSULATION)
- B. BACKRAP FINISH 4" AT THIS LOCATION
- C. EXTERIOR FINISH SYSTEM

07600–FLASHING AND SHEET METAL
- G. METAL DRIP EDGE

07920–JOINT SEALANTS
- A. SEALANT

08110–STEEL DOORS AND FRAMES
- A. HOLLOW METAL FRAME
- B. DOOR, SEE DOOR SCHEDULE ON A001
- D. FRAME ANCHOR

08330–COILING DOORS AND GRILLES
- A. COILING DOOR FRAME
- B. COILING DOOR HOOD

08360–SECTIONAL OVERHEAD DOORS
- A. GARAGE DOOR AND TRACK
- E. WEATHERSTRIPPING

08410–ALUMINUM ENTRANCES AND STOREFRONTS
- A. GLAZED STOREFRONT, FIXED
- C. DOOR, SEE DOOR SCHEDULE ON A001
- D. STOREFRONT FRAME

09250–GYPSUM BOARD
- A. 3 5/8" 25 GAUGE METAL STUDS @ 16" O.C.
- D. 5/8" TYPE 'X' GYPSUM BOARD
- E. 5/8" EXTERIOR GYPSUM SHEATHING
- G1. L MOLDING
- H. DOUBLE STUDS, 20 GAUGE
- L. 5/8" TYPE 'X' GYPSUM BOARD, ADHERE TO CMU

09510–SUSPENDED ACOUSTICAL CEILINGS
- B. PROVIDE NOTCH IN CEILING FOR COILING DOOR

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 10/06
STAKED BY K.L. House DATE
INSPECTION BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
STATE OF NEW MEXICO DAVID M. HASSARD No. 1467 REGISTERED ARCHITECT
4-28-04

No.	Remarks	By	Date
1	11/11/04 Building Permit Review Comments	DMH	04/28/04

REVISIONS
DESIGN Date 04/28/04
Designed By D. HASSARD
Drawn By A. McCOEY Date 04/28/04
Checked By D. HASSARD Date 04/28/04

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
115 AMHERST DRIVE SE., ALBUQUERQUE, NEW MEXICO 87106
TELE. (505) 255–8668 FAX (505) 268–6665

URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855–7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE:
SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
DOOR AND WINDOW DETAILS

Design Review Committee — APPROVED — JUL -9 2004 — DESIGN REVIEW COMMITTEE
APPROVED — JUL -9 2004 — CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 13 5922-13 | Zone Map No. N15 | Sheet 26 Of 44 | Dwg. A702

NAME: A702.dwn DATE: MAY 03, 2004 TIME: 8:44 AM PLOT SCALE: 1" = 8"

MATERIALS KEYING LEGEND

10500–LOCKERS
- A. DOUBLE TIER LOCKERS (O.F.O.I.)

11450–APPLIANCES
- A. REFRIGERATOR (O.F.O.I.)
- B. VENDING MACHINE (O.F.O.I.)

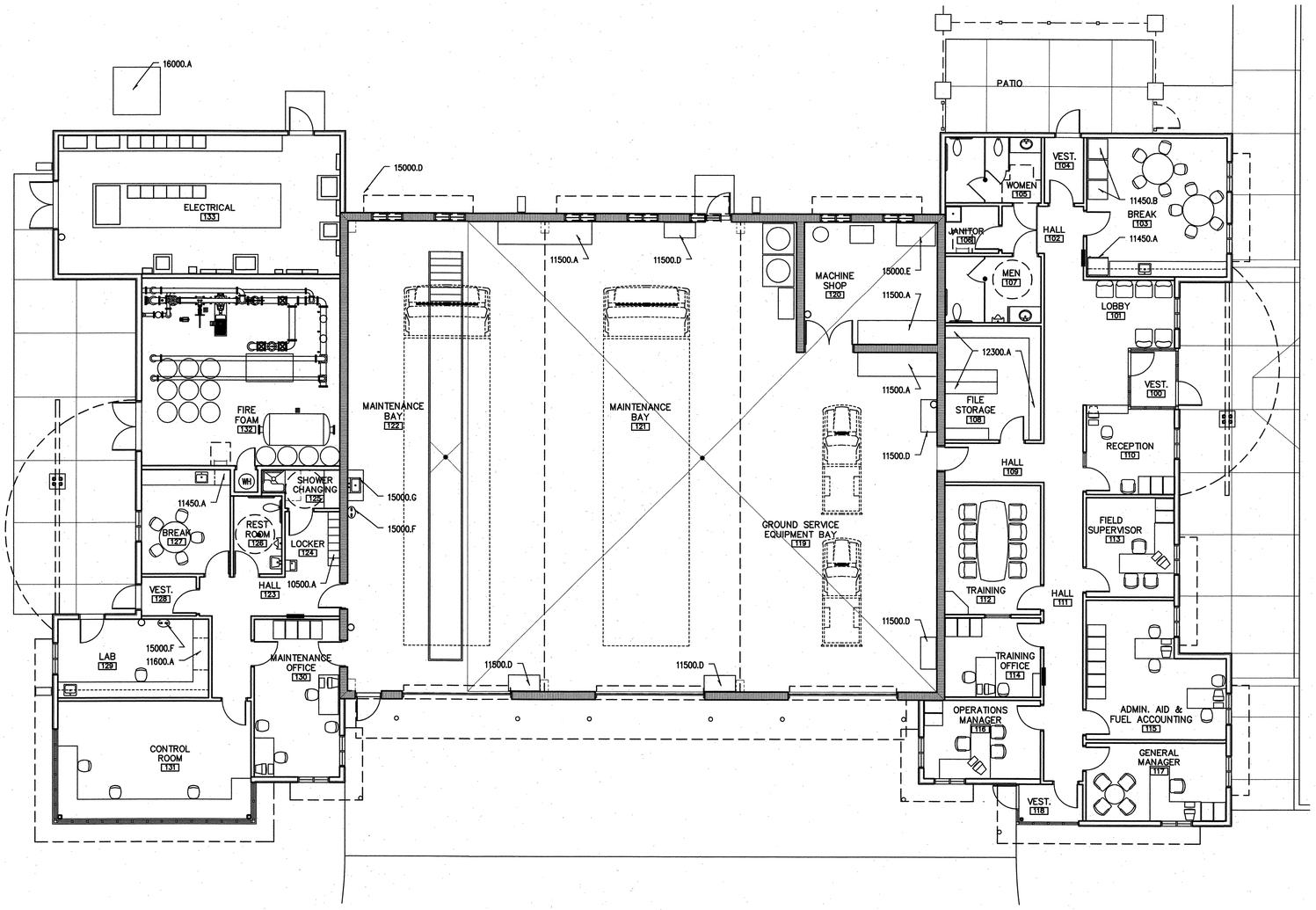
11500–INDUSTRIAL & PROCESS EQUIPMENT
- A. WORK BENCH (O.F.O.I.)
- D. TOOL CHEST (O.F.O.I.)

11600–LABORATORY EQUIPMENT
- A. FUME HOOD, SEE MECHANICAL

12300–MANUFACTURED CASEWORK
- A. METAL SHELVING (O.F.O.I)

15000–MECHANICAL
- D. COMPRESSOR, SEE MECHANICAL
- E. WELDING BOOTH, SEE MECHANICAL
- F. EYEWASH, SEE PLUMBING
- G. PREFABRICATED CABINET WITH SINK, SEE PLUMBING

16000–ELECTRICAL
- A. TRANSFORMER ON CONCRETE PAD, SEE ELECTRICAL



B3	FURNITURE PLAN
1/8"=1'-0"	A101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

FURNITURE LAYOUT FOR REFERENCE PURPOSES ONLY.

SURVEY INFORMATION

FIELD NOTES

No.	By	Date
2050	URS	8/02

BENCH MARKS

"1-N16 RESET", AN ACS ALUMINUM CAP APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

AS BUILT INFORMATION

CONTRACTOR K.L. House DATE 6/04
STAKED BY K.L. House DATE
INSPECTION & ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
MARKUPS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

ENGINEER'S SEAL

STATE OF NEW MEXICO
DAVID M. HASSARD
No. 14467
REGISTERED PROFESSIONAL ENGINEER
4-28-04

No.	By	Remarks	Date
		REVISIONS	
		DESIGN	04/28/04
1	DMH	Building Permit/Review Comments	04/28/04

Designed By D. HASSARD
Drawn By A. McGOEY
Checked By D. HASSARD

SMPC ARCHITECTS
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS
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URS
ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855-7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
FURNITURE PLAN

Design Review Committee: APPROVED - 9 JUL DESIGN REVIEW COMMITTEE
APPROVED - 9 JUL CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	27	44	ID101

NAME: ID101.dwg DATE: MAY 03, 2004 TIME: 8:54 AM PLOT SCALE: 1" = 8'-0"

MECHANICAL GENERAL NOTES

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

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

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

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

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

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

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

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

I. THE SPACE ABOVE THE CEILING IS SERVING AS A RETURN AIR PLENUM. ALL AIR BEING SUPPLIED SHALL BE PROVIDED WITH RETURN AIR PATH BACK TO ITS ORIGIN. PROVIDE IN WALLS EXTENDING THRU CEILING AND UP TO STRUCTURE. RETURN AIR OPENINGS EQUAL TO 1 SQ. FT. PER 500 CFM OF AIR BEING RETURNED. UNLESS OTHERWISE NOTED.

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

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

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

M. ALL FIRE/SMOKE DAMPERS SHALL BE INSTALLED IN A U.L. APPROVED MANNER AND SHALL BE U.L. LISTED.

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

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

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

PLUMBING GENERAL NOTES

(APPLICABLE TO ALL MECHANICAL AND PLUMBING SHEETS)

A. ALL PIPING SHALL BE CONCEALED WHERE POSSIBLE. ALL EXPOSED PIPING, WHERE CONCEALMENT IS NOT POSSIBLE, SHALL BE INSTALLED AND PAINTED AS DIRECTED BY THE ARCHITECT.

B. ALL PIPING SHALL BE INSULATED, SEE SPECIFICATIONS.

C. ALL BRANCHES SHALL BE VALVED AND ALL VALVES SHALL HAVE UNIONS ADJACENT. ACCESS PANELS AND DOORS SHALL BE FURNISHED TO GENERAL CONTRACTOR FOR INSTALLATION AND ACCESS TO VALVES WHERE REQUIRED. LOCATE ADDITIONAL VALVES AS SHOWN ON DRAWINGS. SEE SPECIFICATIONS FOR ACCESS DOOR REQUIREMENTS.

D. ALL PIPING SHALL PITCH TO DRAIN, AND CONTRACTOR SHALL PROVIDE VALVING FOR SYSTEM DRAINAGE. CONTRACTOR SHALL DELIVER A MARKED-UP SET OF PLANS TO THE OWNER (PRIOR TO FINAL PAYMENT) SHOWING ALL BRANCH VALVES AND ALL DRAINAGE POINTS.

E. CARE SHALL BE TAKEN TO AVOID MECHANICAL DUCTWORK, ELECTRICAL EQUIPMENT AND AIR HANDLING EQUIPMENT ABOVE CEILING. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ROUTING OF PIPING WITH CEILING CONTRACTOR AND SHEET METAL CONTRACTOR. RELOCATION OF PIPING AS A RESULT OF POOR COORDINATION BY THIS CONTRACTOR SHALL BE AT HIS OWN EXPENSE.

F. NO WATER PIPING SHALL BE LOCATED IN OUTSIDE WALLS, UNLESS SHOWN TO BE AND THEN PIPING TO BE INSULATED AND LOCATED AS CLOSE AS POSSIBLE TO INSIDE OF WALL CAVITY WITH ADDITIONAL INSULATION BETWEEN PIPING AND EXTERIOR OF WALL.

G. WRITTEN PRIOR APPROVAL REQUIRED FOR ALL PROPOSED SUBSTITUTIONS OF EQUIPMENT AND MATERIALS, RECEIVED BY ENGINEER, 10 DAYS PRIOR TO BID DATE OF PROJECT TO ALLOW ADEQUATE TIME FOR REVIEW AND RESPONSE.

H. ALL TRENCHING AND BACKFILL FOR PIPING SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.

I. ALL SEWER PIPING BELOW FLOOR SLAB (BELOW GRADE) SHALL BE STANDARD WEIGHT HUB AND SPIGOT CAST IRON.

J. ALL PIPE PENETRATIONS THRU FIRE-RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED WITH CODE-APPROVED FIRE BARRIER MATERIALS.

K. SECURE ALL PIPING TO WALLS FOR A RIGID INSTALLATION WITH UNISTRUT BRACKETS AND GASKETED PIPE CLAMPS.

WARNING
THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

SYMBOL LEGEND

LEGEND (COMMON)

ABBR.	SYMBOL	DESCRIPTION
	⬡	EQUIPMENT DESIGNATION
	○	KEYED NOTES – NEW WORK
DIA	Ø	DIAMETER
(N)		NEW
AFG, BFG		ABOVE, BELOW FINISH GRADE
UG, UF		UNDERGROUND, UNDER FLOOR
GPM		GALLONS PER MINUTE
DN		DOWN
FR		FROM
CLG		CEILING
TYP		TYPICAL
MTD		MOUNTED
MBH		THOUSAND BTUS PER HOUR
HP		HORSEPOWER
W/		WITH
W/O		WITHOUT
REF		REFERENCE TO INFORMATION FOUND ON OTHER DRAWINGS
OFCI		OWNER FURNISHED, CONTRACTOR INSTALLED
FTB		FINISH FLOOR TO BOTTOM
AFF, BFF		ABOVE, BELOW FINISH FLOOR

CONTROLS LEGEND

T'STAT	Ⓣ	THERMOSTAT
NC		NORMALLY CLOSED
NO		NORMALLY OPEN
C		COMMON
OA		OUTSIDE AIR

PLUMBING LEGEND

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

SYMBOL LEGEND

PLUMBING LEGEND

ABBR.	SYMBOL	DESCRIPTION
FLG	⋈	FLANGED CONNECTION
CRED	⋈	CONCENTRIC REDUCER
ERED	⋈	ECCENTRIC REDUCER
	⋈	VALVE IN RISER
	⋈	BALANCING VALVE WITH MEMORY STOP
MAV	⋈	MANUAL AIR VENT
THERM	⋈	THERMOMETER
PG	⋈	PRESSURE GAUGE
FD	⋈	FLOOR DRAIN
FS	⋈	FLOOR SINK
CAP	⋈	CAP ON END OF PIPE
POC	⋈	POINT OF CONNECTION
DISC	⋈	DISCONNECT TO POINT INDICATED
CO, WCO	⋈	CLEANOUT, WALL CLEANOUT
GCO, FCO	⋈	GRADE, FLOOR CLEANOUT
RD, OFD	⋈	ROOF DRAIN, OVERFLOW DRAIN
WHYD	⋈	WALL HYDRANT
YD	⋈	YARD HYDRANT
GV W/HB	⋈	GATE VALVE W/ HOSE BIBB CONNECTION
FSW	⋈	FLOW SWITCH
PGC	⋈	PRESSURE GAUGE W/ GAUGE COCK
AV	⋈	AUTOMATIC AIR VENT
	⋈	RISER DOWN
	⋈	RISER UP
	⋈	DROP
	⋈	RISER UP
	⋈	BRANCH – TOP CONNECTION
	⋈	BRANCH – BOTTOM CONNECTION
	⋈	BRANCH – SIDE CONNECTION
HB	⋈	HOSE BIBB
WH	⋈	WATER HEATER
EWC	⋈	ELECTRIC WATER COOLER

HVAC LEGEND – WET

HPS	— HPS —	HIGH PRESSURE STEAM
LPS	— LPS —	LOW PRESSURE STEAM
MU	— MU —	MAKE-UP WATER PIPING
EWT, LWT		ENTERING, LEAVING WATER TEMPERATURE
TDH		TOTAL DYNAMIC HEAD
CV		FLOW COEFFICIENT
CWS	—CWS—	CHILLED WATER SUPPLY
CWR	—CWR—	CHILLED WATER RETURN
HWS	—HWS—	HEATING WATER SUPPLY – LOW TEMPERATURE
HWR	—HWR—	HEATING WATER RETURN – LOW TEMPERATURE
C	— C —	CONDENSER WATER SUPPLY

DOUBLE LINE DUCTWORK

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

SYMBOL LEGEND

SINGLE LINE DUCTWORK

ABBR.	SYMBOL	DESCRIPTION
	20/12	RIGID DUCTWORK – FIRST FIGURE IS SIDE SHOWN
	⋈	FLEXIBLE DUCTWORK
	⋈	DUCT TRANSITION
SA	⋈	CEILING SUPPLY AIR OUTLET
RA/EH	⋈	CEILING RETURN OR EXHAUST AIR INLET
SA	⋈	SIDEWALL SUPPLY AIR OUTLET
RA	⋈	SIDEWALL RETURN OR EXHAUST AIR INLET
FC	⋈	FLEXIBLE CONNECTION
FD	⋈	FIRE DAMPER
S/FD	⋈	SMOKE/FIRE DAMPER
MVD	⋈	MANUAL VOLUME DAMPER
SD	⋈	SPLITTER DAMPER
AD	⋈	ACCESS DOOR (SIZE SHOWN)
UH	⋈	UNIT HEATER
OBD	⋈	OPPOSED BLADE DAMPER
PBD	⋈	PARALLEL BLADE DAMPER
CFM		CUBIC FEET PER MINUTE
OAD		OUTSIDE AIR DAMPER (OPPOSED BLADE)
RAD		RETURN AIR DAMPER (OPPOSED BLADE)
EAD		EXHAUST AIR DAMPER (OPPOSED BLADE)
BDD		BACKDRAFT DAMPER
CD		CEILING DIFFUSER
G		GRILLE
SW		SIDEWALL
LD		LINEAR DIFFUSER
R		REGISTER W/ OBD
TG		TRANSFER GRILLE
DG		DOOR GRILLE
UC		UNDERCUT
AF		AIR FILTER
EAT, LAT		ENTERING, LEAVING AIR TEMPERATURE
WB, DB		WET, DRY BULB TEMPERATURE
FPM		FEET PER MINUTE
RPM		REVOLUTIONS PER MINUTE
"WC		INCHES OF WATER COLUMN
TSP		TOTAL STATIC PRESSURE
ΔP		PRESSURE DROP, PRESSURE DIFFERENCE
ESP		EXTERNAL STATIC PRESSURE

AS BUILT INFORMATION
CONTRACTOR K.L. Houser DATE 6-2-04
WORKS INSPECTED BY K.L. Houser DATE
FIELD TAKE BY DATE
VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

ENGINEER'S SEAL
ZAHID MAHMUD NEW MEXICO 14729 REGISTERED PROFESSIONAL ENGINEER

No.	Remarks	By	Date
1	11/17/04 Building Permit Review Comments	ZM	4/28/04

DESIGN
Designed By Z. MAHMUD Date 4/28/04
Drawn By L. DOTSON Date 4/28/04
Checked By D. GRAHAM Date 4/28/04

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ONE PARK SQUARE
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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

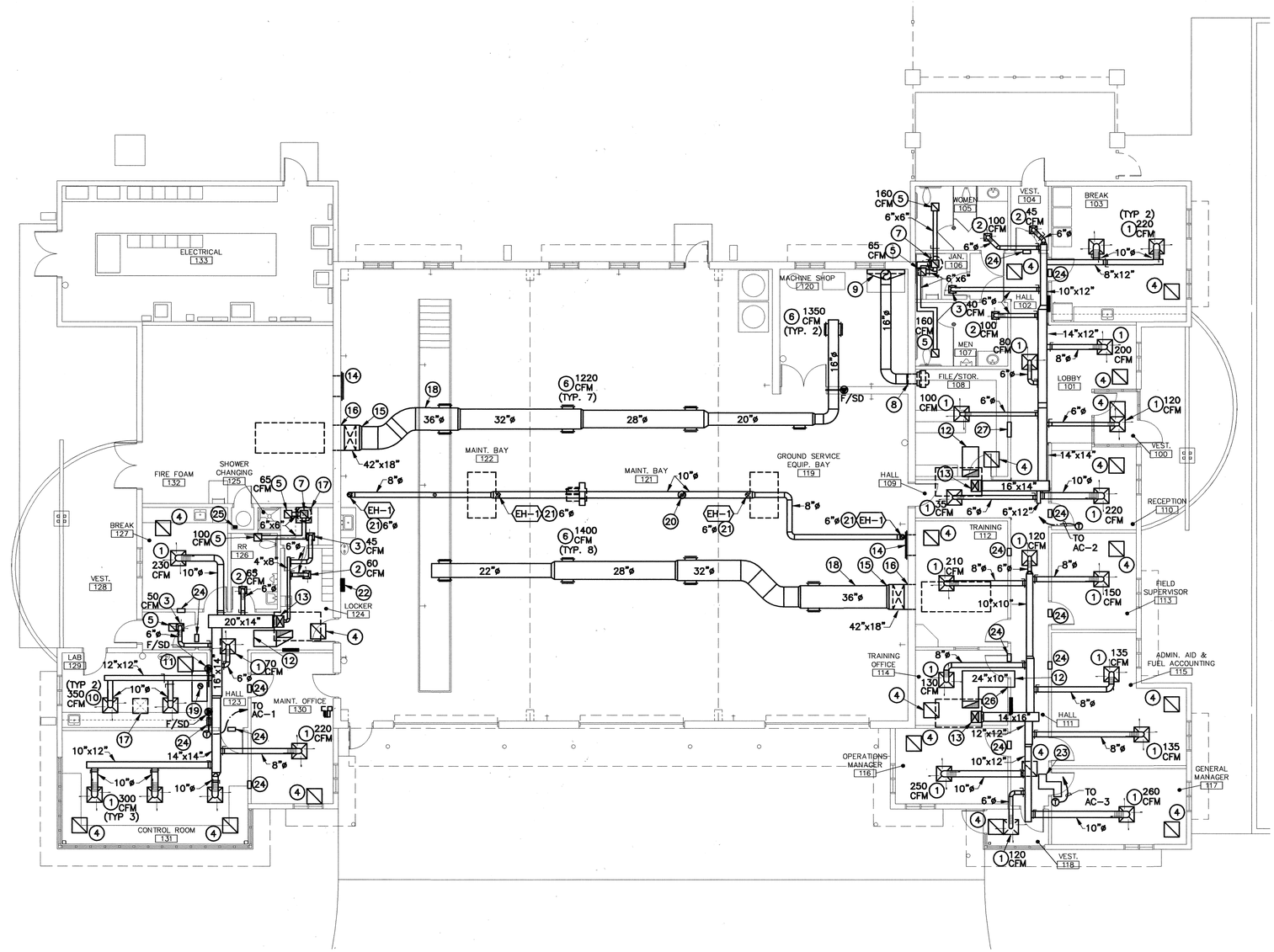
TITLE: **SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING LEGEND, GENERAL NOTES**

Design Review Committee
APPROVED JUL -9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL -9 2004 CITY ENGINEER

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 5922-13 | Zone Map No. N15 | Sheet 28 Of 44 | Dwg. M001



KEYED NOTES

1. CEILING SUPPLY DIFFUSER, D-1, 24"X24", CFM PER PLAN
2. CEILING SUPPLY DIFFUSER, D-1, 12"X12", CFM PER PLAN
3. CEILING SUPPLY DIFFUSER, D-2, 12"X12", CFM PER PLAN
4. RETURN GRILLE, RG-1, 24"X24"
5. EXHAUST GRILLE, EG-1, 12"X12"
6. DRUM LOUVER, DL-1, CFM PER PLAN
7. DUCT PENETRATION TO ROOF EXHAUSTER ON ROOF. SEE ROOF PLAN FOR EQUIPMENT LAYOUT.
8. 16" DIA. DUCT PENETRATION TO SIDEWALL EXHAUSTER ON ROOF. SEE ROOF PLAN FOR EQUIPMENT LAYOUT.
9. WELDING HOOD. SEE DETAIL.
10. CEILING SUPPLY DIFFUSER, D-2, 24"X24", CFM PER PLAN
11. RETURN GRILLE, RG-2, 24"X24"
12. RA OPENING, 36"X12", ON 36"X12" RA DUCTWORK WITH 1" ACOUSTICAL LINING.
13. SA OPENING, 16"X12". SEE ROOF PLAN FOR EQUIPMENT LAYOUT.
14. RG-3, 32"X30"
15. TRANSITION: 48"X48" TO 36" DIA.
16. 46"X22" DUCT PENETRATION THRU WALL TO HEATING AND VENTILATING UNIT ON ROOF. SEE ROOF PLAN FOR EQUIPMENT LAYOUT.
17. 24"X24" ACCESS PANEL IN CEILING
18. BOTTOM OF SUPPLY DUCT 17'-6" A.F.F. SEE DRAWING A202.
19. 10" DIA. EXHAUST DUCT FROM FUME HOOD, FH-1, THRU ROOF TO FUME HOOD EXHAUST FAN, FE-1, ON ROOF. SEE ROOF PLAN FOR EQUIPMENT LAYOUT.
20. 12" DIA. DUCT UP TO FE-2 ON ROOF. SEE ROOF PLAN FOR EQUIPMENT LAYOUT. SEAL PENETRATION PER ARCHITECTURAL DETAIL.
21. 6" TAKE-OFF FOR EXHAUST HOLSTER. EACH EXHAUST HOLSTER SHALL HAVE START/STOP TRANSMITTER, INSTALL PER DETAIL.
22. FE-2 REMOTE START CONTROL PANEL.
23. RA SOUND BOOT, 12"X12", SEE DETAIL.
24. RA OPENING, 12"X12", IN WALL ABOVE CEILING.
25. 4"X4" COMBUSTION AIR DUCT. SEE DETAIL.
26. RA DUCT TO PENETRATE CORRIDOR PARTITION.
27. RA OPENING, 24"X14", IN WALL ABOVE CEILING.

C3	HVAC PLAN
1/8"=1'-0"	M101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

AC-1

RM#	SA	EA	RA
123	70		70
124	60		60
125	45	65	
126	65	100	
127	230		230
128	50		50
129	700	800	
130	220		220
131	900		900
TOTAL	2340	965	1530

EA + RA = 2495
NEGATIVE 155 CFM

AC-2

RM#	SA	EA	RA
100	120		120
101	200		200
102	80		115
103	220		220
104	45		
105	100	160	
106	40	65	
107	100	160	
108	100		100
109	35		
110	220		220
TOTAL	1260	385	975

EA + RA = 1360
NEGATIVE 100 CFM

AC-3

RM#	SA	EA	RA
111	120		120
112	210		210
113	150		150
114	140		140
115	270		270
116	250		250
117	260		260
118	120		120

EQUAL CFM

MAINTENANCE BAY

RM#	SA	EA	RA
119			
121	19740	2400	17340
122			
120	2700	3000	
TOTAL	22440	7400	17340

EA + RA = 24740
NEGATIVE 2300 CFM

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AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 8/06
WORK REVIEWED BY K.L. House
INSPECTION OF PAVING DONE BY DATE
VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

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SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
ZAHID MAHMUD NEW MEXICO 14439 REGISTERED PROFESSIONAL ENGINEER 7/9/04

No.	Remarks	By	Date
1	11/7/03 Building Permit/Review Comments	DRH	7/09/04

REVISIONS
DESIGN Designed By Z. MAHMUD Date 7/09/04
Drawn By L. DOTSON Date 7/09/04
Checked By D. GRAHAM Date 7/09/04

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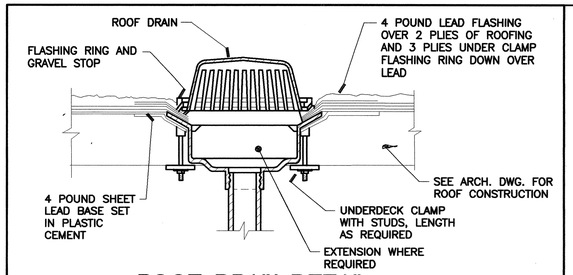
URS
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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE:
SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
HVAC PLAN

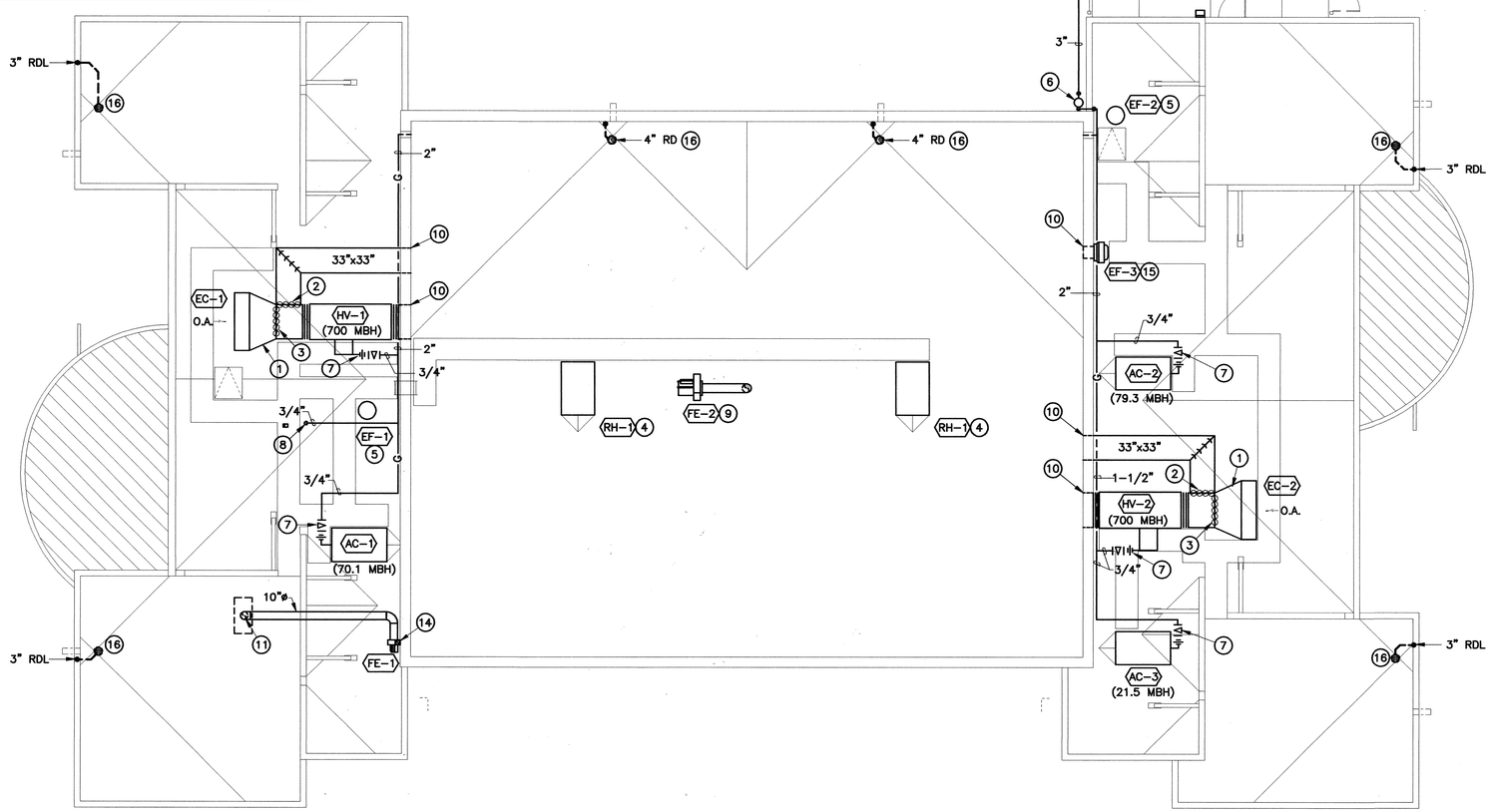
Design Review Committee
APPROVED JUL -9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL - 9 2004 CITY ENGINEER
Last Design Update Mo./Day/Yr. 7/9/04 Mo./Day/Yr.

City Project No. 13 5922-10
Zone Map No. N15
Sheet 29 Of 44
Dwg. M101



ROOF DRAIN DETAIL

SCALE: NONE



KEYED NOTES

1 TRANSITION: 78"X50" TO 46"X33"

2 MOTORIZED R.A. DAMPER

3 MOTORIZED O.A. DAMPER

4 RELIEF HOOD, 72"X45" ROOF OPENING

5 EXHAUST FAN, EF-1, INSTALL PER DETAIL.

6 GAS REGULATOR SIZED FOR 1571 CFH @ 7" W.C. SEE DETAIL.

7 PROVIDE GAS VALVE, UNION AND DIRT LEG AT UNIT CONNECTION.

8 PENETRATE 3/4" GAS LINE THRU ROOF, DOWN ON WALL, CONNECT TO WATER HEATER. PROVIDE GAS VALVE, UNION, AND DIRT LEG AT PENETRATIONS.

9 FUME EXHAUST FAN, FE-2, WITH 10"ø STACK, INSTALL PER DETAIL.

10 DUCT PENETRATION THRU WALL. SEE HVAC FLOOR PLAN, SHEET M101 FOR CONTINUATION.

11 10"ø DUCT FROM FUME HOOD EXHAUST FAN, FE-1, THRU ROOF TO FUME HOOD, FH-1.

12 ROUTE GAS LINE UNDERGROUND.

13 SEE CIVIL SITE PLANS FOR ROUTING AND CONNECTION TO GAS METER.

14 6"ø EXHAUST PIPE FOR FE-1, SEE DETAIL.

15 SIDEWALL EXHAUST FAN, EF-3, MOUNT PER MANUFACTURER'S INSTRUCTIONS.

16 ROOF DRAIN, INSTALL PER DETAIL.

SEQUENCE OF OPERATION

AIR CONDITIONING UNITS AC-1 THRU AC-3:

THESE UNITS SHALL BE CONTROLLED BY AN ELECTRIC SEVEN DAY PROGRAMMABLE ROOM THERMOSTATS WITH BATTERY BACK UP LOCATED AS SHOWN. THE THERMOSTAT SHALL BE AUTOMATIC HEAT/COOL CHANGEOVER TYPE HAVING A QUANTITY OF STEPS MATCHING THE UNIT. THERMOSTAT SHALL HAVE A SUBBASE WITH A SYSTEM ON/OFF/AUTO SWITCH. IN "OFF" POSITION UNIT SHALL NOT OPERATE AND THE OUTSIDE AIR DAMPER SHALL BE CLOSED. IN "ON" POSITION UNIT FAN SHALL OPERATE CONTINUOUSLY AND HEATING OR COOLING EQUIPMENT SHALL OPERATE AS REQUIRED TO MAINTAIN SETPOINT SPACE TEMPERATURE WITH OUTSIDE AIR DAMPER AT MINIMUM. IN "AUTO" POSITION THE UNIT SHALL OPERATE PER PROGRAMMED OCCUPIED/UNOCCUPIED SCHEDULE, IN "OCCUPIED" MODE THE UNIT FAN SHALL OPERATE CONTINUOUSLY AND HEATING AND COOLING EQUIPMENT SHALL OPERATE TO MAINTAIN SETPOINT SPACE TEMPERATURE, MINIMUM OR GREATER SETTING SHALL BE MAINTAINED BY THE OUTSIDE AIR DAMPER IN OCCUPIED MODE. IN "UNOCCUPIED" MODE THE UNIT FAN AND THE HEATING AND COOLING EQUIPMENT SHALL OPERATE ONLY UPON CALL TO MAINTAIN SETBACK SPACE TEMPERATURE AND THE OUTSIDE AIR DAMPER SHALL BE CLOSED. UNIT SHALL HAVE AUTOMATIC SMOKE DETECTOR SHUTDOWN PER NFPA 90A.

AIR ECONOMIZER CYCLE:

OUTDOOR AIR (OSA), RETURN AIR (RA) AND RELIEF AIR (RELF) DAMPERS SHALL BE CONTROLLED FROM MIXED AIR TEMPERATURE AND OUTSIDE AIR TEMPERATURE SENSOR/CONTROLLERS AS FOLLOWS: WHEN FAN IS "OFF", OSA AND RELF DAMPERS SHALL FAIL CLOSED, RA DAMPER SHALL FAIL OPEN. WHEN FAN IS "ON" DAMPERS SHALL MODULATE TO MAINTAIN SETPOINT (55F) MIXED AIR TEMPERATURE IF OSA TEMPERATURE IS BELOW RETURN AIR TEMPERATURE. WHEN RETURN AIR TEMPERATURE IS BELOW OSA TEMPERATURE, OSA AND RELF DAMPERS SHALL CLOSE AND RA DAMPER SHALL OPEN. A MINIMUM OSA DAMPER, TWO POSITION, SHALL OPEN WHEN FAN RUNS, CLOSE WHEN FAN IS OFF.

EXHAUST EF-1 AND EF-2:

EXHAUST FAN EF-1 SHALL BE CONTROLLED BY LIGHT SWITCH IN EITHER ROOM 125 OR ROOM 126. FAN SHALL BE ON WHEN EITHER SWICTH IS ON AND OFF WHEN BOTH SWITCHES ARE OFF.

EXHAUST FAN EF-2 SHALL BE CONTROLLED BY LIGHT SWITCH IN EITHER ROOM 105 OR ROOM 107. FAN SHALL BE ON WHEN EITHER SWICTH IS ON AND OFF WHEN BOTH SWITCHES ARE OFF.

EXHAUST EF-3:

EXHAUST FAN EF-3 SHALL BE CONTROLLED BY ON/OFF SWITCH IN MACHINE SHOP 120.

FUME EXHAUSTER FE-1:

FUME EXHAUSTER FE-1 SHALL BE CONTROLLED BY ON/OFF SWITCH LOCATED IN ROOM 129.

FUME EXHAUSTER FE-2:

FUME EXHAUSTER FE-2 SHALL BE CONTROLLED BY REMOTE START/STOP SWITCH LOCATED ON EACH (4) EXHAUST HOLSTER LOCATED IN MAINTENANCE BAYS 119, 121 AND 122.

UNIT HEATER (GAS) UH-1:

UNIT HEATER SHALL BE CONTROLLED FROM A WALL MOUNTED ELECTRIC THERMOSTAT. FAN AND HEATING ELEMENT SHALL OPREATE TO MAINTAIN SPACE TEMPERATURE AND SHALL BE CONTROLLED BY ROOM THERMOSTAT.

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

	MECHANICAL ROOF PLAN
1/8"=1'-0"	M102

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

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AS BUILT INFORMATION
CONTRACTOR KL House DATE 10-06
WORK BY KL House
INSPECTIONS BY DATE
ACCEPTANCE BY DATE
VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
ZAHID MAHMUD NEW MEXICO 14438 REGISTERED PROFESSIONAL ENGINEER 10/15

No.	Remarks	By	Date
1	11/17/04 Building Permit Review Comments	DMH	4/28/04

REVISIONS
DESIGN
Designed By Z. MAHMUD Date 4/28/04
Drawn By L. DOTSON Date 4/28/04
Checked By D. GRAHAM Date 4/28/04

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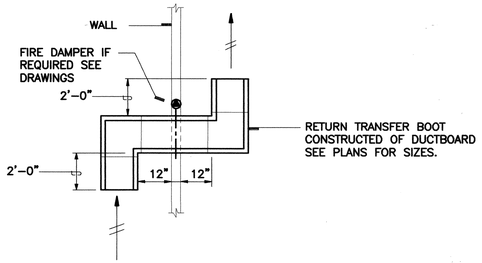
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING MECHANICAL ROOF PLAN**

Design Review Committee
APPROVED JUL - 9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL - 9 2004 CITY ENGINEER

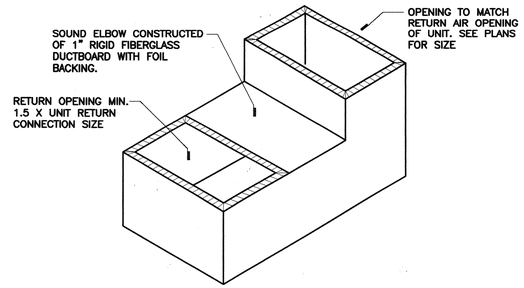
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No. 5922-13 | Zone Map No. N15 | Sheet 30 Of 44 | Dwg. M102



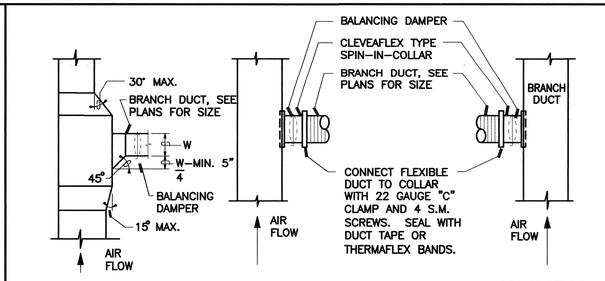
RETURN TRANSFER BOOT DETAIL

SCALE: NONE

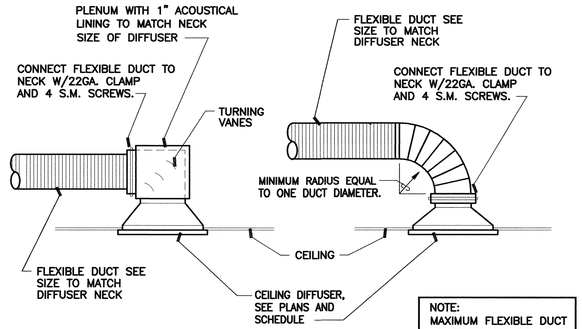


SOUND ELBOW DETAIL

SCALE: NONE



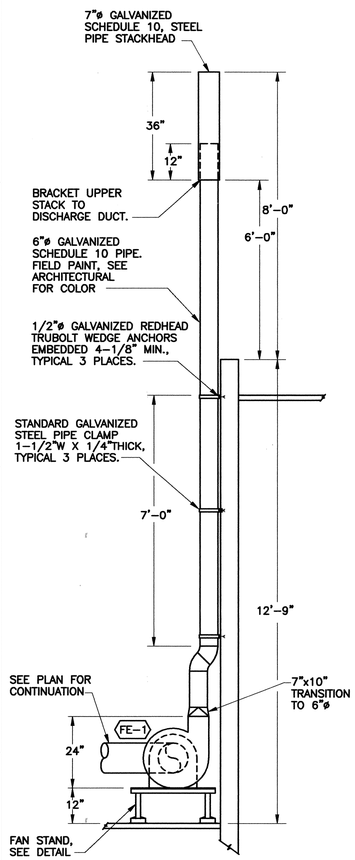
BALANCING DAMPER SHALL BE INSTALLED IN ALL BRANCHES (TYPICAL)



NOTE: MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5'-0"

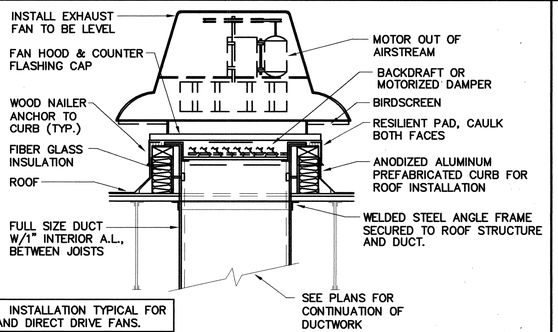
DIFFUSER CONNECTION DETAIL

SCALE: NONE



UTILITY EXHAUST FAN, FE-1, DETAIL

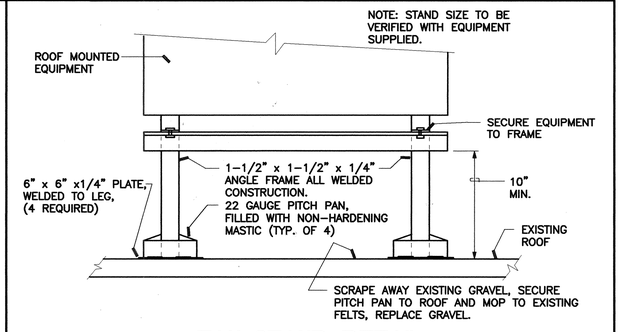
SCALE: NONE



NOTE: INSTALLATION TYPICAL FOR BELT AND DIRECT DRIVE FANS.

EXHAUST FAN DETAIL

SCALE: NONE



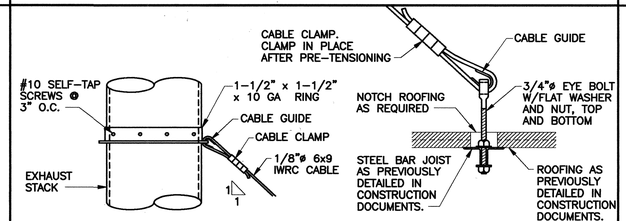
FAN STAND DETAIL

SCALE: NONE

NOTE: CONSTRUCT ALL HOODS WITH 22 GAUGE PAINT-GRIP STEEL COLOR BY ARCH.

EXHAUST HOOD DETAILS

SCALE: NONE

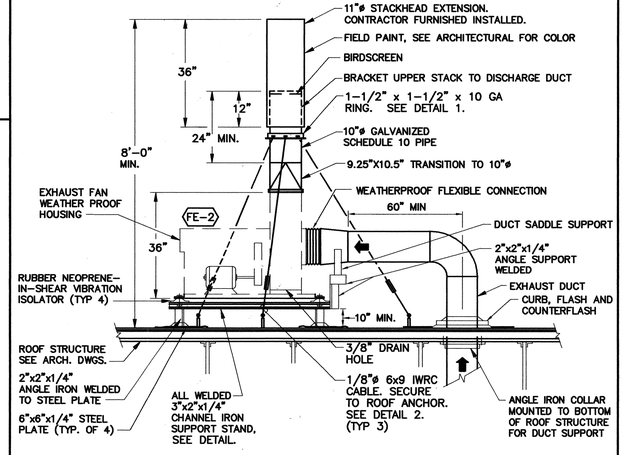


DETAIL 1

SCALE: NONE

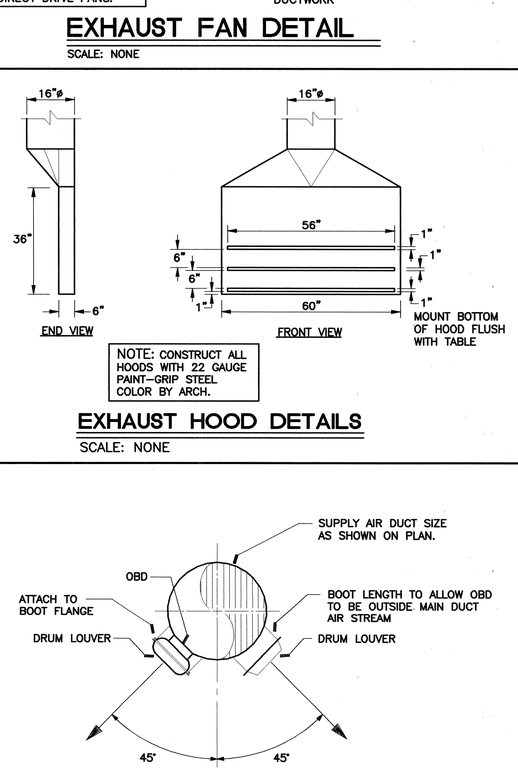
DETAIL 2

SCALE: NONE



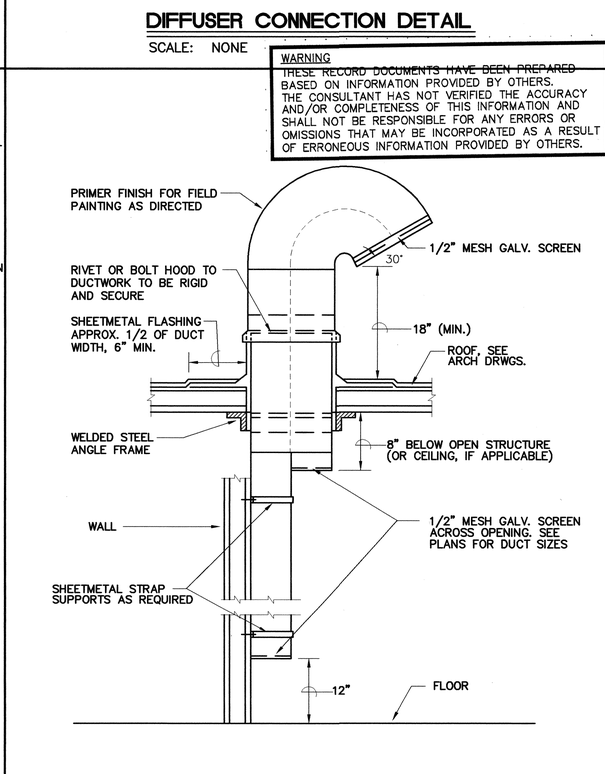
UTILITY EXHAUST FAN, FE-2, DETAIL

SCALE: NONE



DRUM LOUVER MOUNT DETAIL

SCALE: NONE



COMBUSTION AIR GOOSENECK DETAIL

SCALE: NONE

AS BUILT INFORMATION
CONTRACTOR K.L. Howe DATE 10-04
WORK REVIEWED BY K.L. Howe DATE
INSPECTIONS ACCEPTANCE BY DATE
VERIFICATION BY DATE
CORRECTED BY DATE
RECORDED BY DATE

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
Z. MAHMUD NEW MEXICO 14439 REGISTERED PROFESSIONAL ENGINEER 10/05

No.	By	Revisions	Date
1	ZMH	11/17/04 Building Permit/Review Comments	4/28/04
		Remarks	4/28/04
		DESIGN	4/28/04

Designed By Z. MAHMUD
Drawn By L. DOTSON
Checked By D. GRAHAM

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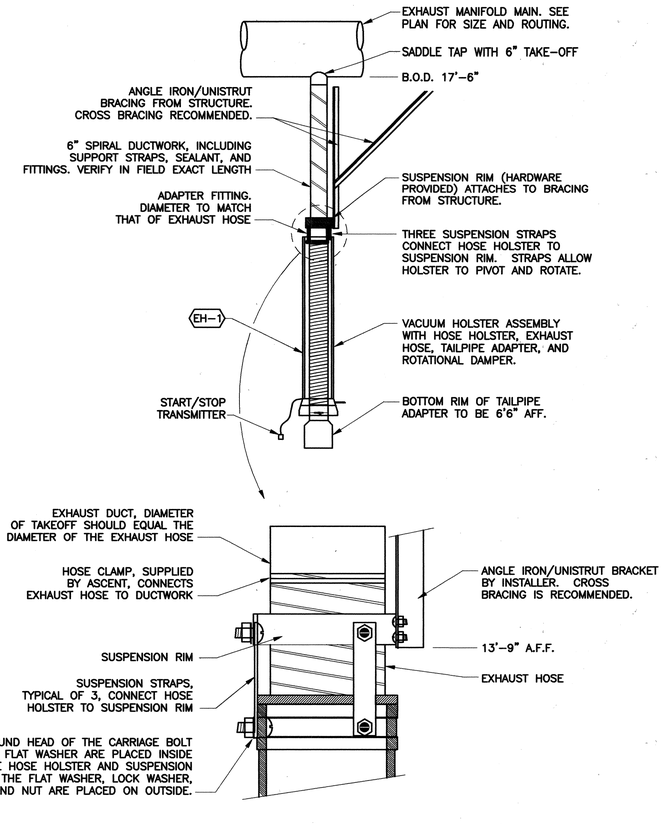
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING DETAILS**

Design Review Committee
APPROVED JUL -8 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL - 9 2004 CITY ENGINEER

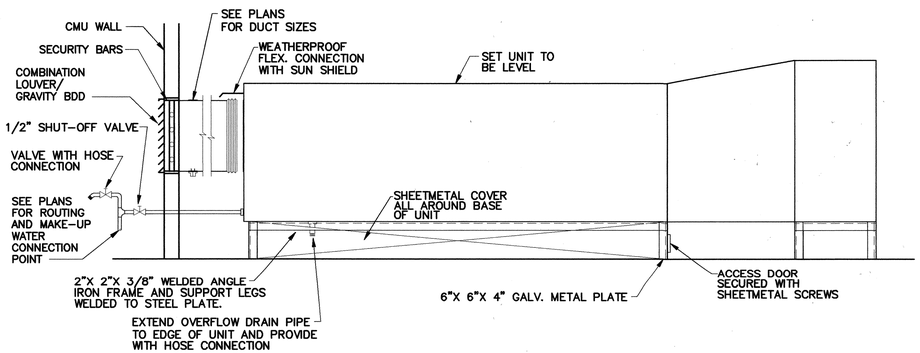
Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 13 5922-8 | Zone Map No. N15 | Sheet 31 Of 44 | Dwg. No. M501



EXHAUST HOLSTER DETAIL

SCALE: NONE



EVAPORATIVE COOLER DETAIL

SCALE: NONE

EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
AC-1 TO AC-3	PACKAGE ROOFTOP UNIT: SHALL BE COMBINATION DX COOLING, GAS HEATING SYSTEM WITH AIR HANDLING SECTION, FILTER SECTION WITH THROWAWAY FILTERS AND COMPLETE CONTROL SYSTEM. UNIT SHALL BE ARI CERTIFIED AND UL LISTED. CABINET SHALL BE WEATHERPROOF WITH GALVANIZED STEEL FLOOR. ACCESS PANELS SHALL BE PROVIDED FOR ALL SERVICEABLE PARTS. SCHEDULED COOLING CAPACITY SHALL BE PRODUCED AT RATING CONDITIONS OF 105F OUTDOOR AIR AND 80/63F EVAPORATOR ENTERING AIR. SCHEDULED HEATING INPUT IS AT SEA LEVEL. COMPRESSORS SHALL HAVE HIGH AND LOW PRESSURE CUTOUTS AND ANTI-RECYCLE TIMERS. HEATING SECTIONS OVER 75 MBH INPUT SHALL BE CAPABLE OF TWO-STAGE FIRING. ALL HEATING SECTIONS SHALL HAVE POWER VENT, ELECTRONIC SPARK IGNITION AND GLASSLINED HEAT EXCHANGERS. PROVIDE AIR ECONOMIZER SECTION WITH RETURN AIR AND OUTSIDE AIR DAMPERS AND BAROMETRIC RELIEF AIR DAMPER. PROVIDE AUTOMATIC SMOKE DETECTOR SHUTDOWN PER NFPA 90A FOR ALL UNITS. PROVIDE AUTOMATIC CHANGEOVER HEAT/COOL THERMOSTAT WITH STAGES APPROPRIATE TO THE UNIT. PROVIDE STARTER FOR UNIT, ROOF CURB BELT DRIVE AND LOW AMBIENT START CONTROLS, SELECTION BASED ON CARRIER 48TF OR APPROVED EQUIVALENT. COOLING HEATING MBH SYMBOL MODEL TONS CFM ESP TOTAL SENS MBH VOLT/PH FLA AC-1 48TFM005 4 1940 1.0 37.6 37.4 70.1 460/3 12.0 AC-2 48TFM005 4 1505 1.0 34.2 34.0 79.3 460/3 12.0 AC-3 48TFM004 3 1510 1.0 23.9 23.7 21.5 460/3 8.1
HV-1&2	HEATING AND VENTILATING UNIT: NATURAL GAS-FIRED, CERTIFIED BY THE AGA, ALL STEEL CONSTRUCTION WITH STAINLESS STEEL HEAT EXCHANGER, BELT DRIVEN CENTRIFUGAL BLOWER AND VARIABLE FREQUENCY DRIVE. FURNISH UNIT COMPLETE WITH INSULATED HEAT EXCHANGER COMPARTMENT, TWO STAGE BURNER AUTOMATIC DAMPERS FOR MIXING OUTSIDE (HORIZONTALLY) AND RETURN AIR (TOP SURFACE OPENING), FILTER RACK AND FILTERS, ACCESS PANELS, CONTROL TRANSFORMER, HEATING RELAYS, AUTOMATIC GAS VALVE, PILOT SWITCH, LIMIT CONTROLS, SPACE THERMOSTAT WITH SUB-BASE, MOTOR STARTER, ROOF CURB, MANUAL SHUT-OFF VALVE, AR18 CONTROLS AND A99 REMOTE CONSOLE. PROVIDE AUTOMATIC SMOKE DETECTOR SHUTDOWN PER NFPA 90A FOR ALL UNITS. EVAPORATIVE COOLING SECTION WITH 12" GLASS MEDIA, 18.67 SQUARE FEET, FILL AND DRAIN ASSEMBLY, MOISTURE ELIMINATION PAD AND PUMP FLOAT ASSEMBLY WITH 115 VOLT, 1 PHASE PUMP MOTOR. UNIT SHALL BE FACTORY WIRED AND ASSEMBLED, COMPLETELY WEATHER PROOF WITH ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING UNIT. UNIT SELECTION BASED ON REZNOR AS INDICATED OR APPROVED EQUAL. SYMBOL MODEL INPUT MBH (SL) CFM TSP HP VOLT/PH HV-1 RGBL-700 700 11250 1.5 15 460/3 HV-2 RGBL-700 700 11250 1.5 15 460/3
EC-1&2	EVAPORATIVE COOLING MODULE: UNIT SHALL CONSIST OF A HOUSING WITH WATER SUMP, MEDIA, PUMP AND WATER DISTRIBUTION SYSTEM. MEDIA SHALL HAVE A MINIMUM OF 123 SQ. FT. OF EVAPORATIVE SURFACE PER CUBIC FOOT OF MEDIA. THE MEDIA SHALL BE NON-CLOGGING, AND PRODUCE NO WATER CARRY-OVER AT 700 FPM FACE VELOCITY. HOUSING SHALL BE 304 STAINLESS STEEL CONSTRUCTION WITH REMOVABLE PANELS, 1" INSULATION SHALL BE PROVIDED BETWEEN THE PAN AND BOTTOM PANEL. EACH UNIT SHALL BE EQUIPPED WITH A WATER MAKE-UP VALVE ASSEMBLY HAVING A COPPER FLOAT, COMBINATION DRAIN AND OVERFLOW FITTING, WATER SUMP CONSTRUCTED OF 3/16" GALVANIZED STEEL. CONTROLLED BLEED OFF ASSEMBLY, SUBMERSIBLE PUMP ASSEMBLY, WATER DISTRIBUTION PIPING, HOSE BIBB LOCATED INSIDE THE UNIT, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING UNIT. UNIT SHALL HAVE 12" THICK MEDIA 22.40 SQ. FT. FACE AREA, 502 FPM FACE VELOCITY,0.315" AIR PD., 90% SATURATION EFFICIENCY WITH 105 F DB ENTERING AIR TEMPERATURE. COMPLETE WITH 1/40 HP, 115V, 1 P PUMP, 1/2" MAKE-UP VALVE, DRAIN, OVERFLOW, BLEED-OFF AND QUICK FILL. PREMIER INDUSTRIES QUOTE #3234 OR APPORVED EQUIVALENT.
RH-1	RELIEF HOOD: RECTANGULAR TYPE, FOR AIR EXHAUST, ALL ALUMINUM CONSTRUCTION, LOW SILHOUETTE WITH INTEGRAL CURB CAP COMPLETE WITH INSECT SCREEN, FACTORY FURNISHED 12" TALL PREFAB ROOF CURB, INSULATION ON COVER AND GRAVITY BACK DRAFT DAMPER. NECK SIZE AS SHOWN ON PLANS NOT TO EXCEED 0.10" WG AIR PD. SELECTION BASED ON GREENHECK "FABRA HOOD" MODEL FHR OR APPROVED EQUIVALENT.
EF-1&2	EXHAUST FAN: CENTRIFUGAL TYPE ROOF EXHAUSTER WITH SPUN ALUMINUM HOUSING, ALUMINUM CURB CAP, STAINLESS STEEL FASTENINGS, PRE-LUBRICATED BALL BEARING DRIVE, VIBRATION ISOLATORS, ALL ALUMINUM WHEEL AND HUB DYNAMICALLY AND STATICALLY BALANCED, BELT DRIVE, BACKDRAFT DAMPERS, BIRDSCREEN, DISCONNECT SWITCH, ALUMINUM WIRING POST, PREFABRICATED CURB AND WIRING TO JUNCTION BOX. SELECTION BASED ON GREENHECK OR APPROVED EQUIVALENT. SYMBOL MODEL CFM SP HP FRPM VOLT/PH EF-1 GB-070-4 165 .375 1/4 1243 115/1 EF-2 GB-101-4 385 .375 1/4 1072 115/1
EF-3	EXHAUST FAN: CENTRIFUGAL TYPE WALL EXHAUSTER WITH SPUN ALUMINUM HOUSING, STAINLESS STEEL FASTENINGS, PRE-LUBRICATED BALL BEARING DRIVE, VIBRATION ISOLATORS, ALL ALUMINUM WHEEL AND HUB DYNAMICALLY AND STATICALLY BALANCED, BELT DRIVE BACKDRAFT DAMPERS, BIRDSCREEN, DISCONNECT SWITCH, ALUMINUM WIRING POST, WIRING TO JUNCTION BOX. SELECTION BASED ON GREENHECK OR APPROVED EQUIVALENT. SYMBOL MODEL CFM SP HP FRPM VOLT/PH EF-3 CWB-180-15 3000 1.0 1.0 1191 460/3
FH-1	FUME HOOD: CONSTURCTED OF WHITE, 16 GAUGE, EPOXY COATED STEEL. HOOD INCLUDES 3/16" THICK CLEAR TEMPERED SAFETY GLASS COUNTERBALANCED SASH AND 10-5/16" O.D. DIAMETER DUCT COLLAR FOR EXHAUST CONNECTION. HOOD INCLUDES A REMOVABEL FRONT PANEL, AIR FOIL ADJUSTABLE BAFFLE. HOOD DIMENSIONS SHALL BE 47"W x25"D x 48"H FOR OPERATION ON 115V/60Hz/1A. HOOD SHALL INCLUDE VAPOR PROOF INCANDESCENT LIGHT FIXTURE, INTERNAL WIRING AND SWITCHES TO BE PROVIDED BY ELECTRICAL CONTRACTOR TO MEET LOCAL CODE REQUIREMENTS. PROVIDE HOOD WITH FLAT SOLID EPOXY WORK SURFACE, 30"x30"x1.25"AND STANDARD BASE STORAGE CABINET 48" WIDE. FUME HOOD SHALL BE LABCONCO MODEL 2246702 OR APPROVED EQUIVALENT.
FE-1	FUME HOOD EXHAUST FAN: UTILITY BLOWER UNIT SHALL BE COMPLETELY ASSEMBLED AND TESTED AS A UNIT WITH EXPLOSION PROOF MOTOR, ADJUSTABLE MOTOR BASE, ADJUSTABLE V-BELT DRIVE BEYOND BEARINGS AND DRIVE COVER. UNIT TO BE FURNISHED WITH MOTOR STARTER, DISCONNECT SWITCH AND CONTROLS HOUSING. BLOWER WHEEL SHALL BE BACKWARDLY INCLINED, NONOVERLOADING, STATICALLY AND DYNAMICALLY BALANCED. HOUSING SHALL BE HEAVY GAUGE STEEL. AIRTIGHT CONSTRUCTION AND CONVERTIBLE TO ANY ONE OF EIGHT POSITIONS IN 45 DEGREE INCREMENTS. PROVIDE SUPPORT BASE AND VIBRATION ISOLATORS. ALL COMPONENTS TO BE FACTORY FINISHED WITH A RUST RESISTANT PAINT. ALL INTERIOR PARTS SHALL BE COATED WITH ACID RESISTING MATL. UNIT SHALL BE BARRY BLOWER OR EQUIVALENT. SYMBOL MODEL CFM SP HP FRPM VOLT/PH FE-1 SFB-90 800 0.75 1/3 1266 115/1

EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
EH-1	EXHAUST HOLSTER: SHALL CONSIST OF EXHAUST HOSE, TAILPIPE ADAPTER WITH ROTATIONAL DAMPER, HOSE HOLSTER AND VERTICAL STACK CANE ADAPTER. EXHAUST HOSE SHALL BE 6" IN DIAMETER AND 25' LONG, IT SHALL HAVE A 6 TO 1 COMPRESSION RATIO, THE MATERIAL SHALL BE COMPSITE SILCON BASED FABRIC WITH A WORKING TEMPERATURE RANGE OF -65 oF to 600 oF, THE HOSE SHALL INCLUDE A CORROSION RESISTANT, GALVANIZED HELIX TO GIVE SHAPE AND STRENGTH AND ACT AS A WEARSTRIP WHEN THE HOSE IS IN CONTACT WITH THE FLOOR. THE TAILPIPE ADAPTER SHALL BE 6" IN DIAMETER AND MADE OF SILICON RUBBER, A CLAMPING DEVICE SHALL BE INCLUDED, THE ADAPTER SHALL ALSO INCLUDE A ROTATIONAL 6" DIAMETER STAINLESS STEEL DAMPER, THE AXLE OF THE DAMPER SHALL LIKE-WISE BE MADE OF NON-CORROSIVE MATERIAL. THE POSITION OF THE DAMPER SHALL BE TENSIONED BY TWO CONICAL SPRINGS. THE DAMPER SHALL BE POSITIONED BY TWO "T" HANDLES AT EACH END OF THE DAMPER AXLE. THE HOSE HOLSTER SHALL ENCLOSE THE ENTIRE COMPRESSED LENGTH OF THE HOSE; THE LOWER END SHALL BE BELLED. THE ENTIRE ASSEMBLY SHALL BE SUSPENDED INDIRECTLY FROM THE EXHAUST DUCT MANIFOLD, A FLEXIBLE EXHAUST HOSE SHALL BE PROVIDED TO CONNTECT THE TAKE OFF FITTING TO THE DUCT SPACER, THE HOLSTER DUCT ADAPTER SHALL BE PROVIDED WHICH SHALL COUPLE THE HOSE HOLSTER TO THE DUCT SPACER, DUCT SPACER SHALL BE SUPPLIED BY THE MECHANICAL CONTRACTOR. VERTICAL STACK CANE ADAPTER SHALL BE MADE OF 26 GAUGE GALVANIZED SPIRAL DUCT, SHALL HAVE A DIAMETER OF 6" AND A MINIMUM HEIGHT OF 6", THE BASE OF THE EXHAUST CANE SHALL FIT INTO THE TAILPIPE ADAPTER AND SHALLBE SECURED BY A MECHANICAL CLAMP, THE VERTICAL PIPE SHALL HAVE HANDLES, THE CAPTURE HOOD SHALL BE A RUBBER WRAPPED 10" BELLMOUTH FITTING. THE ENTIRE ASSEMBLY (THE DUCT SPACER SHALL BE SUPPLIED BY THE MECHANICAL CONTRACTOR) SHALL BE AS PROVIDED BY ASCENT SYSTEMS, INC. OR APPROVED EQUIVALENT.
FE-2	FUME EXHAUST FAN: UTILITY BLOWER UNIT SHALL BE COMPLETELY ASSEMBLED AND TESTED AS A UNIT WITH TOTALLY ENCLOSED MOTOR, ADJUSTABLE MOTOR BASE, ADJUSTABLE V-BELT DRIVE BEYOND BEARINGS AND DRIVE COVER. UNIT TO BE FURNISHED WITH MOTOR STARTER, DISCONNECT SWITCH AND CONTROLS HOUSING. BLOWER WHEEL SHALL BE BACKWARDLY INCLINED, NONOVERLOADING, STATICALLY AND DYNAMICALLY BALANCED. HOUSING SHALL BE HEAVY GAUGE STEEL. AIRTIGHT CONSTRUCTION, UPBLAST DISCHARGE. PROVIDE SUPPORT BASE AND VIBRATION ISOLATORS. ALL COMPONENTS TO BE FACTORY FINISHED WITH A RUST RESISTANT PAINT. ALL INTERIOR PARTS SHALL BE COATED WITH ACID RESISTING MATL. UNIT SHALL BE COOK OR APPROVED EQUIVALENT. IN CONJUNCTIN WITH EXHAUST HOLSTERS PROVIDE FAN WITH REMOTE START CONTROL PANEL TO ACTIVATE MOTOR STARTER AND RADIO RECIEVER, TRANSMITTERS SHALL BE SUPPLIED FOR EACH EXHAUST HOLSTER TO START AND STOP EXHAUST FAN FE-2. REMOTE CONTROL PANEL SHALL BE AS ASCENT DRAWING E103-3PH OR APPROVED EQUIVALENT. SYMBOL MODEL CFM SP HP FRPM VOLT/PH FE-2 110-MHA-SD 2400 6.0" 5 2190 460/3
D-1	CEILING DIFFUSER: 24 X 24 LOUVERED FACE DIFFUSER, STEEL CONSTRUCTION WITH ADJUSTABLE CORE, FRAME 3P FOR LAY-IN CEILING, WHITE ENAMEL FINISH, OPPOSED BLADE DAMPER, ROUND DUCT REDUCER WHERE ROUND CONNECTION IS SHOWN. THROW PATTERN AS SHOWN. MAXIMUM NECK VELOCITY 400 FPM, NC LEVEL LESS THAN 30. PRICE MODEL SMDA OR APPROVED EQUIVALENT.
D-2	CEILING DIFFUSER: 12 X 12 LOUVERED FACE DIFFUSER, STEEL WITH REMOVABLE CORE. FRAME 31 WITH SPF MOUNTING FRAME FOR SURFACE MOUNT, WHITE ENAMEL FINISH, OPPOSED BLADE DAMPER, ROUND NECK, FOUR-WAY THROW PATTERN. MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. PRICE SERIES SCD OR APPROVED EQUIVALENT.
RG-1	RETURN GRILLE: 24 X 24 EGGCRATE GRILLE, 1/2" X 1/2" X 1" GRID, ALUMINUM CONSTRUCTION, FRAME FOR LAY-IN CEILING, WHITE ENAMEL FINISH. PRICE 81TB OR APPROVED EQUIVALENT.
RG-2	RETURN GRILLE: EGGCRATE GRILLE, 1/2" X 1/2" X 1" GRID, ALUMINUM CONSTRUCTION, FRAME FOR SURFACE MOUNT, WHITE ENAMEL FINISH. PRICE 81 OR APPROVED EQUIVALENT.
RG-3	RETURN GRILLE: STATIONARY VANES SET ON 3/4" CENTERS AND 35' ANGLE. GRILLE SHALL BE 32"x30" AND HAVE HORIZONTAL VANES, STEEL CONSTRUCTION, WHITE ENAMEL FINISH AND SURFACE MOUNT FRAME. PRICE 530L OR APPROVED EQUAL.
EG-1	RETURN GRILLE: STATIONARY VANES SET ON 3/4" CENTERS AND 35' ANGLE. HORIZONTAL VANES, STEEL CONSTRUCTION, WHITE ENAMEL FINISH. PRICE 530L OR APPROVED EQUIVALENT.
DL-1	DRUM LOUVER: LONG THROW SUPPLY LOUVER, EXTRUDED ALUMINUM CONSTRUCTION ADJUSTABLE VANES, SATIN ANODIZED FINISH WITH OPPOSED BLADE DAMPER, SIZE AS SHOWN. PRICE SERIES HCDI/D OR APPROVED EQUIVALENT.

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AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 8/04
WORK NOTED BY K.L. House
INSPECTOR'S ACCEPTANCE BY DATE
VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
DAVID MAHMUD NEW MEXICO 14439 REGISTERED PROFESSIONAL ENGINEER

No.	Remarks	By	Date
1	11/17/04 Building Permit/Review Comments	DMH	4/28/04

REVISIONS
DESIGN Designed By Z. MAHMUD Date 4/28/04
Drawn By L. DOTSON Date 4/28/04
Checked By D. GRAHAM Date 4/28/04

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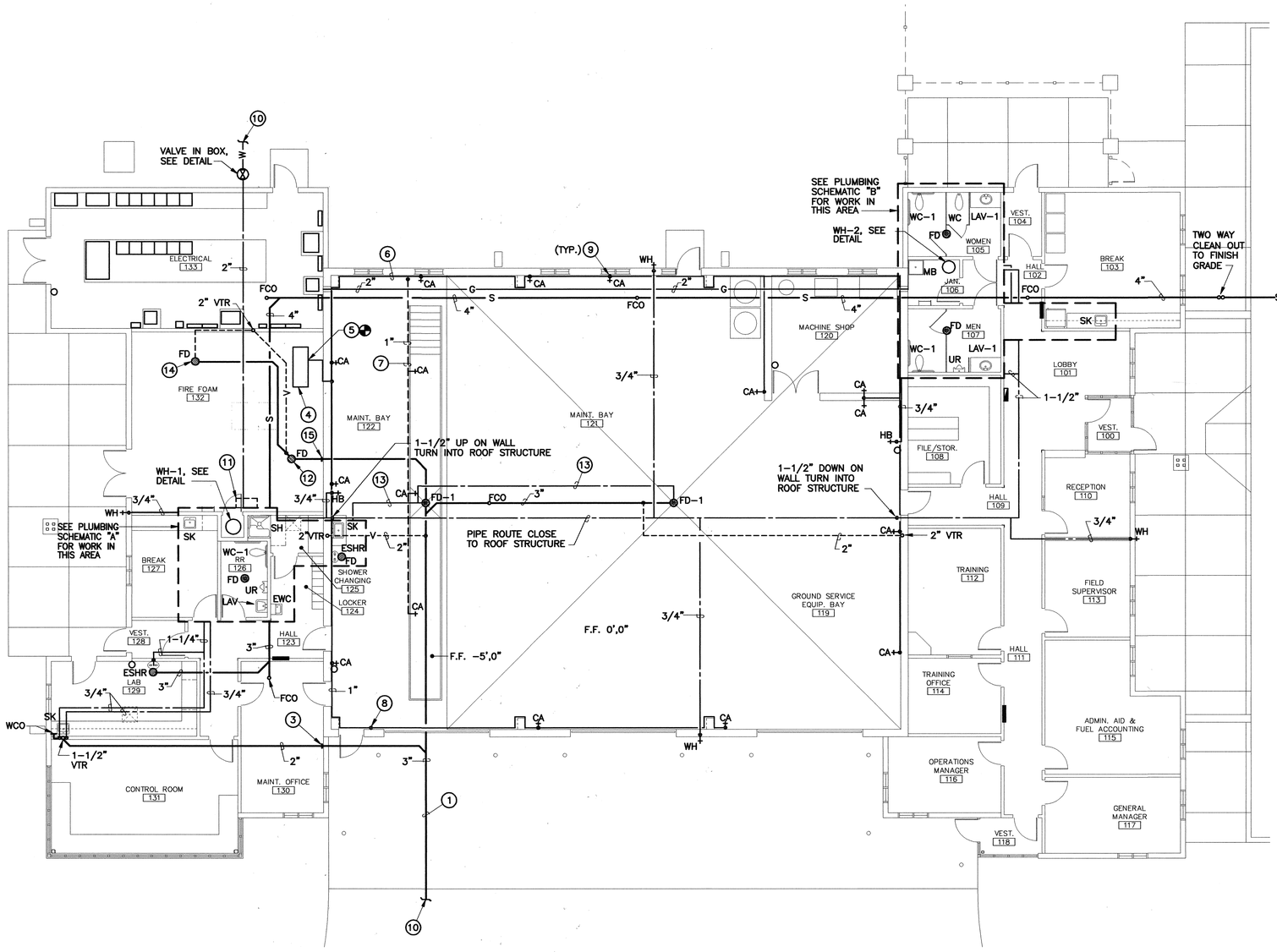
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING EQUIPMENT SCHEDULE**

Design Review Committee: APPROVED JUL -9 2004 DESIGN REVIEW COMMITTEE
Last Design Update: APPROVED JUL - 9 2004 CITY ENGINEER

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 13 5922-0 | Zone Map No. N15 | Sheet 32 Of 44 | Dwg. M601



KEYED NOTES ○

1. OIL AND WATER DRAIN LINE INVERT BELOW FINISHED FLOOR OF MAINTENANCE BAY 5'-4 3/8".
2. PROVIDE FCO, DROP DRAIN LINE TO 5' BELOW FINISH FLOOR.
3. PROVIDE WCO, DROP DRAIN LINE TO 5'-2 1/4" BELOW FINISH FLOOR.
4. RELOCATE AIR COMPRESSOR, OFCI.
5. 1" NPT CA OUTLET ON AIR COMPRESSOR.
6. ROUTE 1" CA MAINS 10' AFF.
7. 1" CA IN SLAB TO FEED PIT OUTLETS 1" B.F.F.
8. RUN CA PIPING ABOVE ROLL-UP DOORS, 13'-6" AFF. VERIFY IN FIELD EXACT HEIGHT.
9. CA DROP WITH AIR FILTER REGULATOR AND QUICK DISCONNECT. SEE DETAIL.
10. FOR CONTINUATION, SEE JET-A FUEL FARM SITE PLAN C.108.
11. DOMESTCI WATER ENTRANCE, SEE DETAIL.
12. FLOOR DRAIN NEAR FOAM CONCENTRATE TANK, SEE SHEET F1.2, VOLUME 1. CONNECT TO TRAP PRIMER, SEE SCHEMATIC A.
13. CW FROM TRAP PRIMER BELOW SLAB.
14. FLOOR DRAIN. SEE SHEET F1.2, VOLUME 1. CONNECT TO TRAP PRIMER, SEE SCHEMATIC A.
15. PROVIDE WCO, DROP DRAIN 5'-0" BELOW FINISHED FLOOR.

C3	PLUMBING PLAN
1/8"=1'-0"	P101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

AS BUILT INFORMATION
CONTRACTOR K.L. Houser DATE 8/02
WORK STAKED BY K.L. Houser
INSPECTED BY DATE
AS-BUILT BY DATE
VERIFICATION BY DATE
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MICRO-FILM INFORMATION
RECORDED BY DATE

SURVEY INFORMATION
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NEW MEXICO 14439 REGISTERED PROFESSIONAL ENGINEER 7/9/04

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No.	Remarks	By	Date
1	11/17/04 Building Permit/Review Comments	ZM	7/09/04

REVISIONS
DESIGN
Designed By Z. MAHMUD Date 7/09/04
Drawn By L. DOTSON Date 7/09/04
Checked By D. GRAHAM Date 7/09/04

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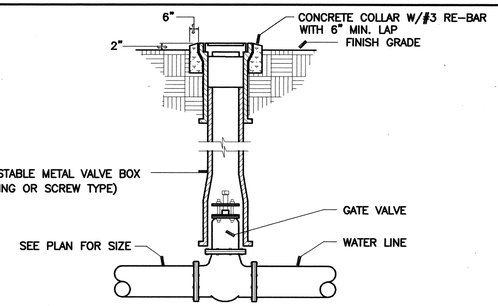
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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE:
SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
PLUMBING PLAN

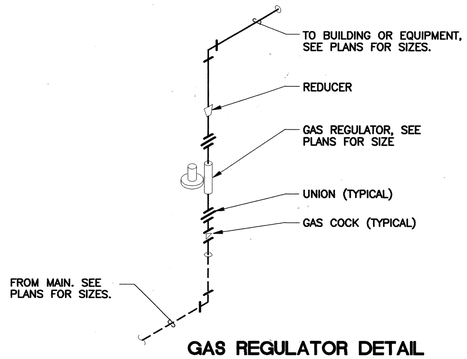
Design Review Committee: APPROVED JUL - 9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL - 9 2004 CITY ENGINEER
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No. 13 5922-10 | Zone Map No. N15 | Sheet 33 Of 44 | Dwg. P101



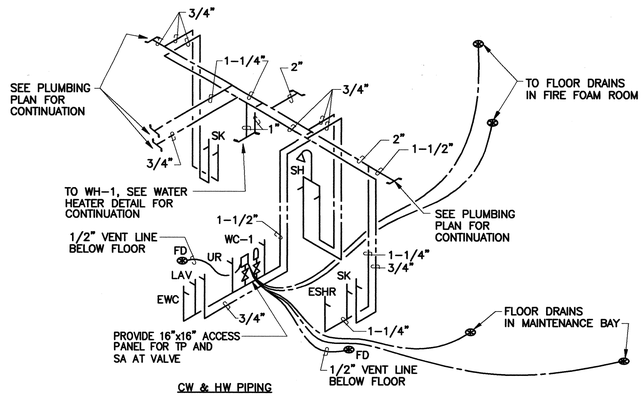
VALVE BOX DETAIL

SCALE: NONE

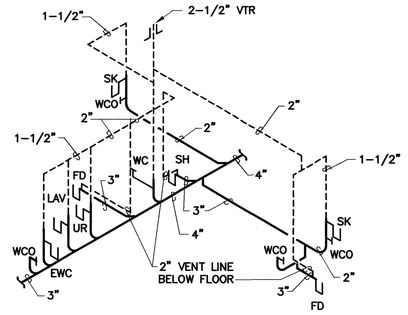


GAS REGULATOR DETAIL

SCALE: NONE



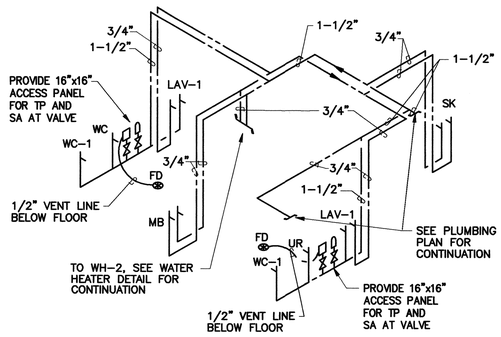
CW & HW PIPING



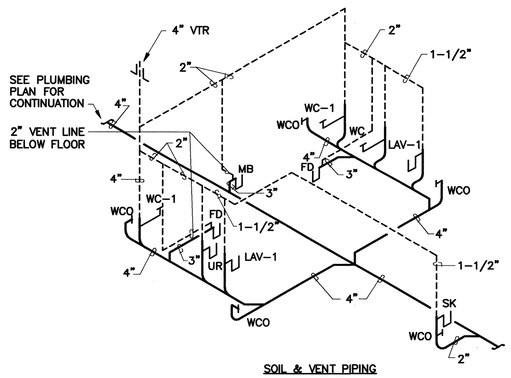
SOIL & VENT PIPING

PLUMBING SCHEMATIC "A"

SCALE: NONE



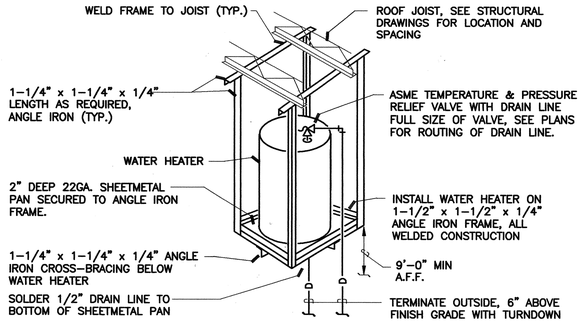
CW & HW PIPING



SOIL & VENT PIPING

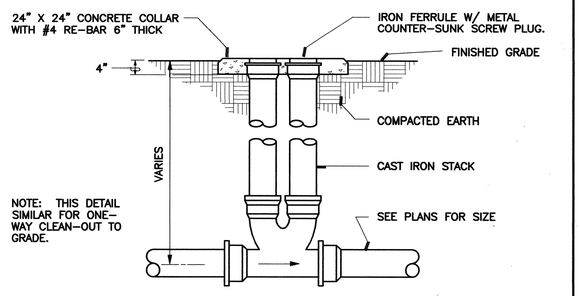
PLUMBING SCHEMATIC "B"

SCALE: NONE



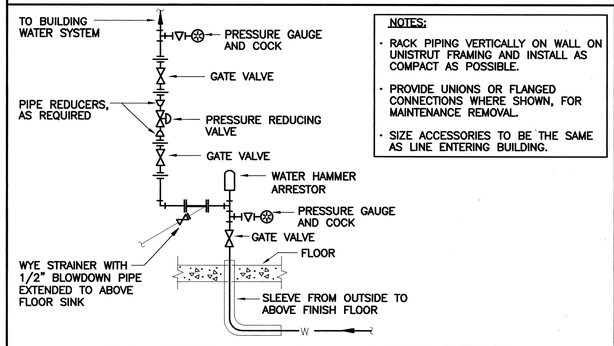
WATER HEATER MOUNTING DETAIL

SCALE: NONE



CLEAN OUT DETAIL

SCALE: NONE

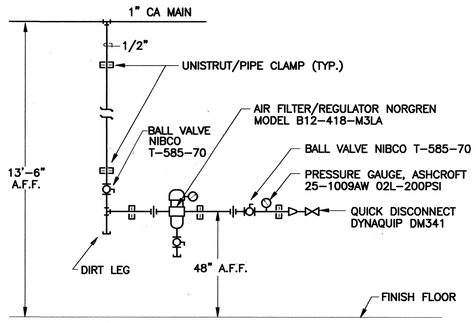


NOTES:

- RACK PIPING VERTICALLY ON WALL ON UNISTRUT FRAMING AND INSTALL AS COMPACT AS POSSIBLE.
- PROVIDE UNIONS OR FLANGED CONNECTIONS WHERE SHOWN, FOR MAINTENANCE REMOVAL.
- SIZE ACCESSORIES TO BE THE SAME AS LINE ENTERING BUILDING.

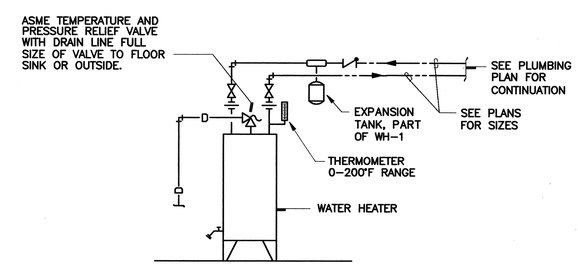
DOMESTIC WATER ENTRANCE DETAIL

SCALE: NONE



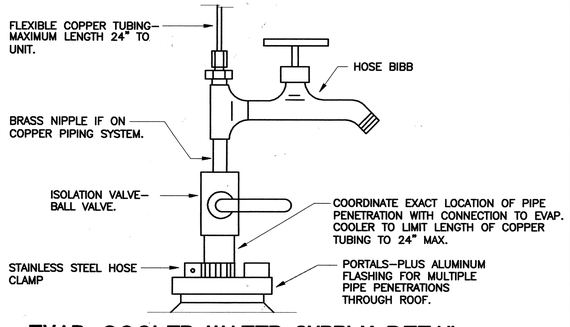
COMPRESSED AIR DROP DETAIL

SCALE: NONE



WATER HEATER DETAIL

SCALE: NONE



EVAP. COOLER WATER SUPPLY DETAIL

SCALE: NONE

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AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 10-04
WORK NOTED BY K.L. House
INSPECTOR'S ACCEPTANCE BY DATE
VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

SURVEY INFORMATION
BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
LAND MAHMUD 14439 REGISTERED PROFESSIONAL ENGINEER 7/9/04

No.	By	Remarks	Date
1	CMH	Building Permit/Review Comments	11/17/04

REVISIONS
DESIGN Designed By Z. MAHMUD Date 7/09/04
Drawn By L. DOTSON Date 7/09/04
Checked By D. GRAHAM Date 7/09/04

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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
DETAILS AND SCHEMATICS

Design Review Committee
APPROVED JUL - 9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL - 9 2004 CITY ENGINEER

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

City Project No.	Zone Map No.	Sheet	Of	Dwg.
13 5922-10	N15	34	44	P501

FIXTURE SCHEDULE

SYMBOL	DESCRIPTION
WC	WATER CLOSET: AMERICAN STANDARD "MADERA EL 1.6" 2234.015, FLOOR MOUNTED, WATER SAVER, SIPHON JET, VITREOUS CHINA, ELONGATED RIM, BOLT CAPS, 1-1/2" TOP SPUD, SLOAN NO. 111 FLUSH VALVE WITH VACUUM BREAKER, 1" SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION, SOLID WHITE PLASTIC SEAT WITH OPEN FRONT, EXTENDED BACK AND SELF-SUSTAINING CHECK HINGE, LESS COVER. VENT 2" CW 1"
WC-1	WATER CLOSET: AMERICAN STANDARD "CADET 17"H EL 1.6" 3043.102, FLOOR MOUNTED, WATER SAVER, SIPHON JET, VITREOUS CHINA, ELONGATED RIM, BOLT CAPS (17" RIM HEIGHT), 1-1/2" TOP SPUD, SLOAN NO. 111 FLUSH VALVE WITH VACUUM BREAKER, 1" SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION, SOLID WHITE PLASTIC SEAT WITH OPEN FRONT, EXTENDED BACK AND SELF-SUSTAINING CHECK HINGE, LESS COVER. UNIT SHALL MEET ALL ADA REQUIREMENTS FOR THE PHYSICALLY CHALLENGED. VENT 2" CW 1"
UR	URINAL: AMERICAN STANDARD "ALLBROOK" 6541.132, VITREOUS CHINA, SIPHON JET ACTION, WALL URINAL, 3/4" TOP SPUD, WALL HANGER, SLOAN NO. 186-1 FLUSH VALVE WITH VACUUM BREAKER, SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION. UNIT SHALL MEET ALL ADA REQUIREMENTS FOR THE PHYSICALLY CHALLENGED. INSTALL URINAL WITH RIM 21" ABOVE FINISH FLOOR. TRAP 2" VENT 1-1/2" CW 3/4"
LAV	LAVATORY: AMERICAN STANDARD "LUCERNE" 0355.012 VITREOUS CHINA LAVATORY WITH BACK, SPLASH LIP, FRONT OVERFLOW, DRILLED FOR ZURN-Z-1231 FLOOR SUPPORTED CARRIER WITH CONCEALED ARMS, 5402.172H HERITAGE SUPPLY FITTING WITH AERATOR, INDEXED HANDLES AND GRID DRAIN, CHROME PLATED CAST BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, AND CHROME PLATED CODE APPROVED ADJUSTABLE "P" TRAP WITH WASTE TO WALL, INSTALL FOR WHEELCHAIR USE. INSULATE ALL WATER PIPING AND TRAP BELOW LAVATORY WITH TRAP WRAP, KIT NUMBER 500R. LAVATORY SIZE 20" X 18". TRAP 1-1/4" VENT 1-1/2" CW 1/2" HW 1/2"
LAV-1	LAVATORY: AMERICAN STANDARD "AQUALYN" 0476.028 VITREOUS CHINA, SELF-RIMMING COUNTERTOP LAVATORY WITH OVAL BASIN AND FRONT OVERFLOW, WITH 5402.172H "HERITAGE" FAUCET WITH AERATOR, GRID DRAIN AND 1-1/4" TAILPIECE, CHROME PLATED CAST BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME PLATED CODE APPROVED ADJUSTABLE "P" TRAP WITH WASTE-TO-WALL, INSULATE ALL WATER PIPING AND TRAP BELOW LAVATORY WITH TRAP WRAP, KIT NUMBER 500R. LAVATORY SIZE 20" X 17". TRAP 1-1/4" VENT 1-1/2" CW 1/2" HW 1/2"
SK	SINK: ELKAY "LUSTERTONE" LR-2520 SINGLE COMPARTMENT 18 GAUGE TYPE 302 STAINLESS STEEL, SELF-RIMMING, UNDERSIDE UNDERCOATED, SINGLE FAUCET HOLE, LK-2223 DUAL HANDLE FAUCET WITH GOOSENECK SWING SPOUT AND AERATOR, LK-35 DUO-STRAINER WITH CHROME PLATED CAST BRASS ANGLE SUPPLIES WITH WHEEL HANDLE STOPS, CHROME PLATED CODE APPROVED ADJUSTABLE "P" TRAP WITH WASTE TO WALL. SINK SIZE 25" X 22" X 12" DEEP. SEE ARCHITECTURAL PLANS FOR RIM HEIGHT. TRAP 1-1/2" VENT 1-1/2" CW 1/2" HW 1/2"
SH	SHOWER: LASCO MODEL 1363-BFS ACRYLIC, ADA/ANSI COMPLIANT UNIT, COMPLETE WITH SLIP RESISTANT BOTTOM, TEMPERATURE BALANCE MIXING VALVE, HAND HELD SHOWER WITH VINYL HOSE, 24" SLIDE BAR, VACUUM BREAKER, "L" SHAPED FOLD-UP CUSHION SEAT, SOAP DISH, GRAB BARS, CURTAIN ROD, CURTAIN AND ALL ITEMS REQUIRED TO PROVIDE A COMPLETE WORKING UNIT, AND SHALL MEET ALL ADA AND ANSI REQUIREMENTS FOR THE PHYSICALLY CHALLENGED. TRAP 2" VENT 2" CW 1/2" HW 1/2"
ESHR	EMERGENCY SHOWER/EYEWASH: GUARDIAN, MODEL GBF1909, BARRIER FREE SAFETY STATION WITH STAY-OPEN SHOWER VALVE, 10" DIAMETER ABS PLASTIC SHOWER HEAD, EYE/FACE WASH WITH STAINLESS STEEL BOWL AND STAY-OPEN BALL VALVE, COMPLETE WITH ZURN Z-415 SERIES FLOOR DRAIN. TRAP 3" VENT 2" CW 1-1/4"
WCO	WALL CLEANOUT: ZURN-Z-1446-BP CAST IRON C.O. TEE WITH BRASS PLUG AND ROUND STAINLESS STEEL ACCESS COVER WITH VANDALPROOF SCREW.
EWC	ELECTRIC WATER COOLER: WALL HUNG BARRIER FREE UNIT, CHROME PLATED BUBBLER, SELF CLOSING PUSH BAR, AUTOMATIC STREAM REGULATOR, CAPABLE OF DELIVERING 8 GPH OF 50 F WATER AT A ROOM TEMPERATURE OF 90 F WITH 1/5 H.P. COMPRESSOR, ALL ACCESSORIES FOR A COMPLETE OPERATING UNIT, CHROME PLATED CAST BRASS ANGLE SUPPLY WITH LOOSE KEY STOP, CHROME PLATED CODE APPROVED ADJUSTABLE "P" TRAP WITH WASTE-TO-WALL. INSTALL WATER COOLER AT HANDICAP HEIGHT UNLESS OTHERWISE NOTED. TRAP 1-1/4" VENT 1-1/2" CW 1/2"
MB	MOP BASIN: FIAT MODEL MSB-2424, SIZE 24" X 24" X 10" DEEP, CONSTRUCTED OF MOLDED STONE, UNIT SHALL HAVE 10" HIGH WALLS, NOT LESS THAN 1" WIDE SHOULDERS, COMPLETE WITH NO. 874 DRAIN BODY WITH LOCKNUT, NEOPRENE GASKETS AND COMBINATION DOME STRAINER-LINT BASKET CONSTRUCTED OF 302 16-GAUGE STAINLESS STEEL, #830-AA SUPPLY FITTING WITH VACUUM BREAKER, INTEGRAL STOP, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT AND #889-CC MOP HANGER. TRAP 3" VENT 2" CW 1/2" HW 1/2"
FD	FLOOR DRAIN: ZURN-Z-415-P SERIES, CAST IRON BODY WITH NICKEL BRASS STRAINER, CLAMPING COLLAR, TRAP PRIMER CONNECTION AND VANDALPROOF SCREWS. TRAP 3" VENT 2"
FD-1	FLOOR DRAIN: ZURN-Z-400-N SERIES, CAST IRON BODY WITH NICKEL BRASS STRAINER, CLAMPING COLLAR, TRAP PRIMER CONNECTION AND VANDALPROOF SCREWS. TRAP 3" VENT 2"
SA	SHOCK ABSORBER: ZURN-Z-1700 STAINLESS STEEL, SEALED AIR CHARGE, 1" IPS, PROPERLY SIZED FOR FIXTURE LOAD AT POINT OF INSTALLATION.
TP	TRAP PRIMER: ZURN-Z-1022-3 "SANI-GUARD" TRAP PRIMER, INTERGAL VACUUM BREAKER, ALL BRONZE CONSTRUCTION, 3/4" SIZE.

FIXTURE SCHEDULE

SYMBOL	DESCRIPTION
RD	ROOF DRAIN: ZURN ZC-100ERC, CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD, CAST IRON DOME, EXTENSION, ROOF SUMP RECEIVER AND UNDERDECK CLAMP. SIZED AS SHOWN ON DRAWINGS.
WH	WALL HYDRANT: ZURN Z-1310 NON-FREEZE, "ANTI-SIPHON", WITH STAINLESS STEEL FACE, BRONZE CASING, ALL BRONZE INTERIOR PARTS AND REMOVABLE KEY. CW 3/4"
HB	HOSE BIBB: NIBCO FIGURE #63VB OR 763VB FOR GALVANIZED OR COPPER PIPING WITH VACUUM BREAKER. CW 3/4"
WH-1	WATER HEATER: A.O. SMITH MODEL FCG-40 "PROMAX", GLASS-LINED TANK, AUTOMATIC SAFETY SHUT OFF, STAINLESS STEEL CORE ANODE RODS, DRAIN VALVE, HEAVY GAUGE STEEL JACKET WITH BAKED ENAMEL FINISH, A.G.A. CERTIFIED, FOAM INSULATION BETWEEN TANK AND SHELL, UNIT SHALL BE 40 GALLON STORAGE, WITH 39.4 GPH RECOVERY AT 90 DEGREE RISE WITH 38,000 BTUH SEA LEVEL INPUT, COMPLETE WITH ASME TEMPERATURE AND PRESSURE RELIEF VALVE RATED AT 150 PSI. WATER HEATER SHALL COME COMPLETE WITH A MODEL ST-5 PRESSURIZED DIAPHRAM-TYPE EXPANSION TANK. UNIT SHALL BE DESIGNED FOR USE WITH DOMESTIC HOT WATER, STAINLESS STEEL FITTINGS, INSTALLATION AS SHOWN ON THE DRAWINGS AND SHALL BE DESIGNED FOR MAX WORKING PRESSURE OF 150 PSI AT 200 F, INITIAL CHARGE PRESSURE SHALL BE 40 PSI. UNIT SHALL HAVE A TANK CAPACITY 2 GALLONS. TANK SHALL BE MANUFACTURED BY AMTROL OR APPROVED EQUAL.
WH-2	WATER HEATER: A.O. SMITH MODEL DSE-10, GLASS-LINED TANK, MAGNESIUM ANODE ROD, DRAIN VALVE, BAKED ENAMEL FINISH, FOAM INSULATION BETWEEN TANK AND SHELL, UNIT SHALL BE 10 GALLON STORAGE, WITH 12 GPH RECOVERY AT 90 DEGREE RISE WITH 3, 1000 WATT ELEMENTS, 3 KW, 208 VOLT, 1 PHASE POWER.

AS BUILT INFORMATION
CONTRACTOR K.L. House DATE 10-06
WORK STAKED BY K.L. House
INSPECTORS ACCEPTANCE BY DATE
VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
DAVID MAHMUD NEW MEXICO 14439 REGISTERED PROFESSIONAL ENGINEER

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No.	Remarks	By	Date
	REVISIONS		
	DESIGN		4/28/04
1	11/17/04 Building Permit/Review Comments	DMH	4/28/04

Designed By Z. MAHMUD
Drawn By L. DOTSON
Checked By D. GRAHAM

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Mechanical / Electrical / Structural Consulting Engineers
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SUITE 900
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(505) 855-7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

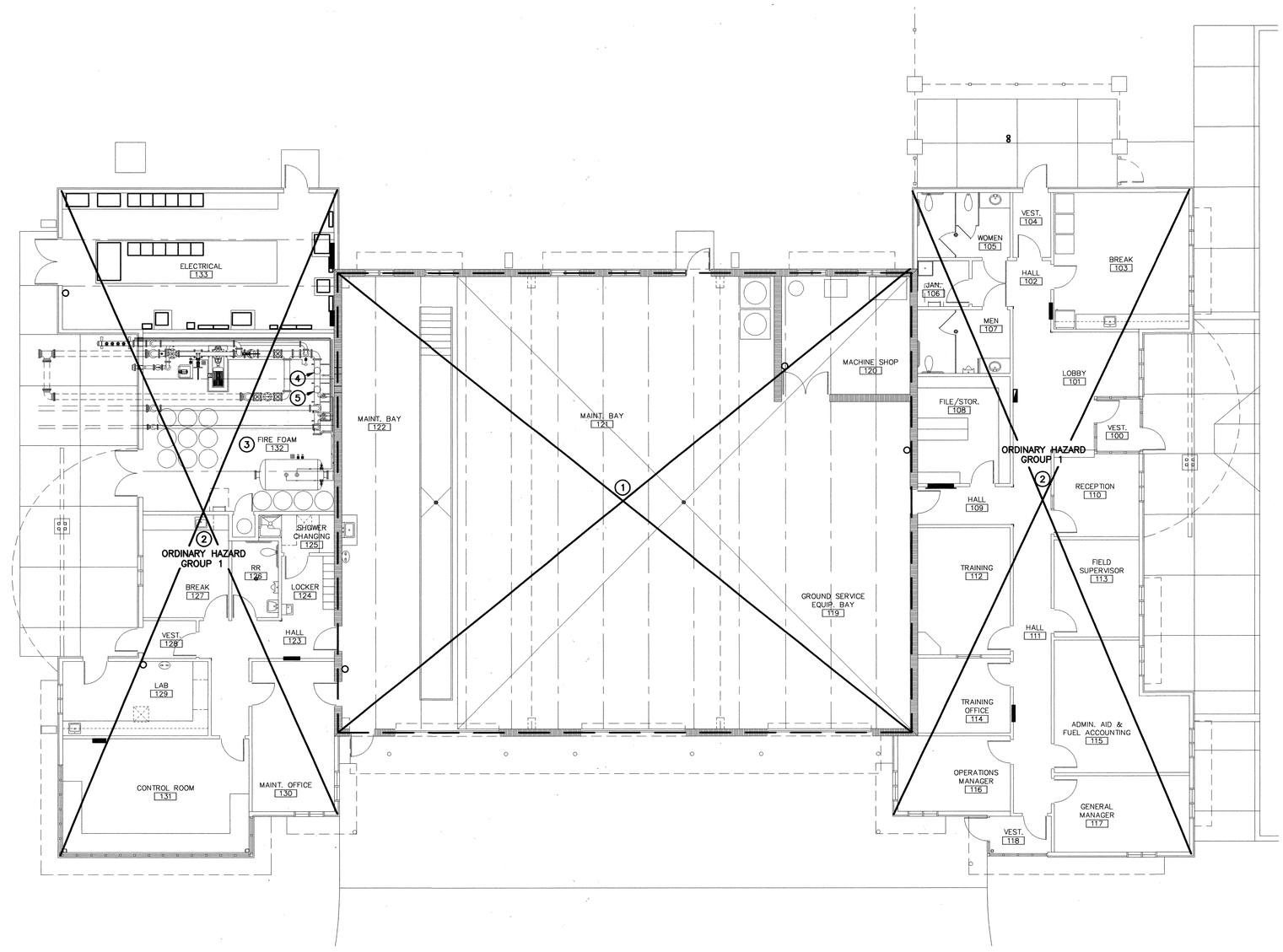
TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
FIXTURE SCHEDULE

Design Review Committee
APPROVED JUL -9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL - 9 2004 CITY ENGINEER

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 5922-13 | Zone Map No. N15 | Sheet 35 Of 44 | Dwg. P601



C3	FIRE PROTECTON PLAN
1/8"=1'-0"	FP101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

FIRE PROTECTION NOTES

A. THE INDICATED AREAS SHALL BE PROVIDED WITH A COMPLETE AUTOMATIC, WET PIPE, FIRE PROTECTION SPRINKLER SYSTEM. IN AREAS WITH CEILINGS, ALL PIPING SHALL BE CONCEALED. IN AREAS WHERE PIPING IS EXPOSED, ALL PIPE, FITTINGS AND HANGERS SHALL BE PAINTED, COLOR AS DIRECTED BY ARCHITECT. ALL EXPOSED PIPING SHALL BE RUN AS HIGH AS POSSIBLE AND SHALL BE COORDINATED WITH STRUCTURE, DUCTWORK, ROOF OPENINGS AND LIGHTING TO BE AS INCONSPICUOUS AS POSSIBLE. DEGREE OF PROTECTION SHALL BE "HAZARD" AS NOTED. LAYOUT SHALL BE SUBMITTED FOR APPROVAL TO CITY OF ALBUQUERQUE FIRE DEPARTMENT, STATE OF NEW MEXICO, BUILDING AND INSPECTION DEPARTMENT AND THE ARCHITECT. ALL REQUIRED APPROVALS SHALL BE OBTAINED BEFORE ORDERING MATERIALS OR BEGINNING FABRICATION. ALL HEADS SHALL BE CHROME PLATED, TEMPERATURE RATED AT 165 DEGREES F., EXCEPT 212 DEGREES F. IN MECHANICAL ROOMS AND OTHER AREAS AS OUTLINED IN NFPA 13.

B. DESIGN AND INSTALLATION SHALL CONFORM TO THE LATEST EDITIONS OF NFPA 13, 101, AND U.B.C. AND THE SPECIFICATIONS

C. DUE TO LIMITED CEILING SPACE, COORDINATION WITH OTHER TRADES SHALL BE REQUIRED PRIOR TO ANY PIPING INSTALLATION. IF SPRINKLER CONTRACTOR FAILS TO PROPERLY COORDINATE HIS PIPING WITH OTHER TRADES, RELOCATION OF SPRINKLER PIPING, ETC., SHALL BE AT HIS OWN EXPENSE, AS DIRECTED BY THE ARCHITECT AND ENGINEER.

D. SPRINKLER SHOP DRAWINGS SHALL SHOW ALL DUCTWORK, DIFFUSER LOCATIONS, LIGHTS, BUS DUCTS AND OTHER PIPING MAINS, ETC., REQUIRING COORDINATION WITH SPRINKLER MAINS, SPRINKLER HEADS, ETC.

E. COORDINATE LOCATIONS OF FLOW AND TAMPER SWITCHES WITH ELECTRICAL CONTRACTOR AND PAY FOR ALL REQUIRED ELECTRICAL CONNECTIONS BACK TO MAIN FIRE ALARM PANEL FROM THIS FLOW SWITCH.

F. PROVIDE AND INSTALL "DRY-TYPE", PENDENT (FREEZE-PROOF) SPRINKLER HEADS AT ALL UNHEATED SPACES INCLUDING OVERHANGS, CANOPIES AND AT ALL LOCATIONS SUBJECT TO FREEZING.

G. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING SITE CONDITIONS, WATER PRESSURE, LOCATION OF NEW BUILDING IN RELATION TO EXISTING, ETC., BEFORE SUBMITTING HIS BID. THIS CONTRACTOR SHALL EXTEND NEW FIRE PROTECTION SUPPLY PIPING FROM EXISTING FIRE PROTECTION SPRINKLER PIPING TO NEW ADDITION.

H. CONTRACTOR SHALL PROVIDE COMPLETE HYDRAULIC CALCULATIONS FOR ALL SYSTEMS.

KEYED NOTES ○

1 AFFF OPEN DELUGE SYSTEM WITH DENSITY OF 0.16 GPM/SQ.FT.

2 WET PIPE SPRINKLER SYSTEM BASED ON FIRE PUMP OUTPUT OF 2850 GPM @ ___ PSI.

3 SEE ENLARGED FIRE FOAM ROOM PLAN. SEE JET-A-FUEL FARM FIRE PROTECTION DRAWING, F1.02, VOLUME I.

4 POINT OF CONNECTION FOR WET PIPE SPRINKLER SYSTEM. SEE JET-A-FUEL FARM FIRE PROTECTION DRAWING, F1.02, VOLUME I.

5 POINT OF CONNECTION FOR AFFF OPEN DELUGE SYSTEM. SEE JET-A-FUEL FARM FIRE PROTECTION DRAWING, F1.02, VOLUME I.

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AS BUILT INFORMATION
CONTRACTOR K.L. Houser DATE 2-04
WORK PERFORMED BY K.L. Houser
INSPECTOR'S ACCEPTANCE BY DATE
VERIFICATION BY DATE
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No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
ZAHID MAHMUD NEW MEXICO 11439 REGISTERED PROFESSIONAL ENGINEER

No.	By	Remarks	Date
1	DMH	Building Permit/Review Comments	4/28/04

REVISIONS
DESIGN Designed By Z. MAHMUD Date 4/28/04
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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE:
SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING FIRE PROTECTION PLAN

Design Review Committee: APPROVED JUL - 9 2004 DESIGN REVIEW COMMITTEE
Last Design Update: APPROVED JUL - 9 2004 CITY ENGINEER
Mo./Day/Yr. Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	36	44	FP101

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
⊖H	SPECIAL PURPOSE RECEPTACLE. SEE DRAWINGS FOR TYPE, PROVIDE MATCHING PLUG CAP.
	FLUSH FLOOR 3-GANG OUTLET WITH DEVICES AND COVERS AS FOLLOWS: HUBBELL #B-4314 BOX WITH #S-3825 DUPLEX FLAP AND #5362 RECEPTACLE (⊖) AND (2) #S-2625 COMBINATION 2-1/8" x 1" COVER, (1) RJ45 JACK (∅) AND (1) RJ45 JACK (◉) AS INDICATED. PROVIDE BRASS COVERS.
⊠H	DATA/COMM. OUTLET, UP 18" OR AS NOTED. TYPE AS INDICATED (D-DATA ONLY, C-COMMUNICATIONS ONLY, W-WALL MOUNT UP 44", P-PAY PHONE). SEE DETAIL AND SPECIFICATIONS FOR CONDUIT/CABLE REQUIREMENTS.
▶	TELEVISION OUTLET (75 OHM) UP 18" OR AS INDICATED.
▶	COMMUNICATIONS OUTLET, UP 18" OR AS NOTED. TYPE AS INDICATED (W-WALL MOUNTED UP 44", P-PAYPHONE). SEE DETAIL AND SPECIFICATIONS FOR CONDUIT/CABLE REQUIREMENTS.
Θ_{FS}	FIRE SPRINKLER SYSTEM FLOW SWITCH.
Θ_{TS}	FIRE SPRINKLER SYSTEM TAMPER SWITCH.
⊠	FIRE ALARM MANUAL PULL STATION, UP 44". SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS.
⊠	FIRE ALARM HORN/STROBE SIGNAL, DOWN 6" BELOW CEILING OR UP 6'-8" TO CENTER (WHICHEVER IS LOWER). SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS.
⊠	FIRE ALARM HORN, INSTALL AS INDICATED. SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS.
⊠ B	FIRE ALARM BELL, INSTALL AS INDICATED. SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS.
⊠ M	FIRE ALARM MINI-ALERT HORN/STROBE SIGNAL, DOWN 6" BELOW CEILING OR UP 6'-8" TO CENTER (WHICHEVER IS LOWER). SEE SPECIFICATIONS FOR CONDUIT, WIRE AND DEVICE REQUIREMENTS.
⊛ H,I,S/H,D	FIRE ALARM AUTOMATIC DETECTOR, TYPE AS INDICATED (H-HEAT, I-IONIZATION, S/H-SMOKE /HEAT, D-DUCT SMOKE). ALL DETECTORS "SMOKE" UNLESS OTHERWISE NOTED.
Θ_{AD}	ADDRESSABLE INTERFACE MODULE TO MONITOR DUCT SMOKE DETECTORS INTEGRAL TO HVAC AIR HANDLING EQUIPMENT AND HVAC SMOKE/FIRE DAMPERS.
$\Theta_{F/SD}$	HVAC SYSTEM FIRE/SMOKE DAMPER WITH INTEGRAL SMOKE DETECTOR (BY DIV. 15).
▬	FIRE ALARM CONTROL PANEL ("FACP"), SEE SPECIFICATIONS FOR SYSTEM REQUIREMENTS.
▬	FIRE ALARM ANNUNCIATOR ("FAA"), SEE SPECIFICATIONS FOR SYSTEM REQUIREMENTS.
▭	SPECIAL CABINET, TELEPHONE TYPE OR AS NOTED.
▬	LIGHTING BRANCH CIRCUIT PANEL, SEE PANEL SCHEDULE FOR CHARACTERISTICS.
▨	POWER DISTRIBUTING PANEL, SEE PANEL SCHEDULE FOR CHARACTERISTICS.
②	MOTOR CONNECTION WITH HP INDICATED.
Ⓕ	MOTOR CONNECTION FOR FRACTIONAL HP MOTOR (LESS THAN 1/3 HP). PROVIDE THERMAL O.L. SWITCH ADJACENT TO ALL MOTORS UNLESS SWITCH IS SHOWN ELSEWHERE ON PLAN.
⊠	MOTOR STARTER, SIZE AND POLES FOR MOTOR FURNISHED.
30/3	DISCONNECT SWITCH, NON-FUSED, SUBSCRIPT INDICATES SWITCH AMPERAGE AND NUMBER OF POLES, BE NEMA 3R IF INSTALLED OUTDOORS. VOLTAGE RATING AS REQUIRED BY SYSTEM.
30/3/20	DISCONNECT SWITCH, FUSED, SUBSCRIPT INDICATES SWITCH AMPERAGE, NUMBER OF POLES AND FUSE SIZE. TO BE NEMA 3R IF INSTALLED OUTDOORS. PROVIDE FUSES AT 125% F.L.A. OF UNIT UNLESS OTHERWISE INDICATED. VOLTAGE RATING AS REQUIRED BY SYSTEM.
⊠	COMBINATION MOTOR STARTER / DISCONNECT SWITCH.
	1" CONDUIT STUBBED INTO ACCESSIBLE CEILING CAVITY FOR FUTURE EXTENSION.
	BRANCH CIRCUIT CONDUIT IN WALL OR CEILING WITH CONDUCTORS INDICATED.
	BRANCH CIRCUIT CONDUIT UNDER FLOOR OR UNDERGROUND WITH CONDUCTORS INDICATED.
A-2,4	HOME RUN CONDUIT TO PANEL WITH BRANCH CIRCUIT NUMBERS INDICATED.
	POWER CONDUIT, CONDUCTORS TYPICALLY SHOWN AT CIRCUIT BEGINNING ONLY.
1,2,3	LIGHTING CONDUIT, CONDUCTORS TYPICALLY SHOWN AT CIRCUIT BEGINNING ONLY. SWITCH LEGS SHOWN AS REQUIRED FOR CLARITY.
	TIC MARKS REPRESENT NEUTRAL, HOT, SWITCH LEG AND GROUND CONDUCTORS RESPECTIVELY.
◙	PUSH-BUTTON UP 44" AFF.

SYMBOL	DESCRIPTION
⬭	KEYED NOTE SYMBOL - ELECTRICAL.
□	FEEDER SIZE DESIGNATION - SEE FEEDER SCHEDULE.
⬡	MECHANICAL EQUIPMENT DESIGNATION - SEE MECHANICAL EQUIPMENT SCHEDULE.
WP	WEATHERPROOF.
GFCI	GROUND FAULT CIRCUIT INTERRUPTING.
AC	ABOVE COUNTER (6" UNLESS NOTED OTHERWISE).
AL	ABOVE LAVATORY (6" UNLESS NOTED OTHERWISE).
AFF	ABOVE FINISH FLOOR.
EX	EXPLOSION PROOF.
A	CEILING FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
B	BRACKET FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	EMERGENCY FIXTURE WITH BATTERY PACK (SELF-TESTING/SELF-DIAGNOSTICS) AND OUTLET. TYPE "EM" AS INDICATED IN FIXTURE SCHEDULE.
	CEILING MOUNTED DOUBLE FACE EXIT FIXTURE (SELF-TESTING/SELF-DIAGNOSTICS) AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE "X" AS INDICATED IN FIXTURE SCHEDULE.
	CEILING MOUNTED SINGLE FACE EXIT FIXTURE (SELF-TESTING/SELF-DIAGNOSTICS) AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE "X" AS INDICATED IN FIXTURE SCHEDULE.
	WALL BRACKET OR RECESSED EXIT FIXTURE (SELF-TESTING/SELF-DIAGOSTICS) AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE "X" AS INDICATED IN FIXTURE SCHEDULE.
C	FLUORESCENT FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
▨	LIGHT FIXTURES INDICATED WITH SHADING ARE CONNECTED TO EMERGENCY POWER SOURCE WITH SELF-TESTING/SELF-DIAGNOSTICS. BODINE #B50ST (1350 LUMENS) BATTERY PACK OR APPROVED EQUAL. PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION, COORDINATE WITH LIGHTING MFR.
⊘	LIGHT FIXTURES INDICATED WITH SHADING ARE CONNECTED TO EMERGENCY POWER SOURCE WITH SELF-TESTING/SELF-DIAGNOSTICS. BODINE BATTERY PACK OR APPROVED EQUAL (SIZED FOR LAMP WATTAGE). PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION, COORDINATE WITH LIGHTING MFR.
	JUNCTION BOX INSTALLED ABOVE THE CEILING WITH FLEXIBLE CONDUIT CONNECTION TO LAY-IN FIXTURES. MINIMUM 4'-0" LENGTH OF CONDUIT WITH REQUIRED CONDUCTORS ALONG WITH GREEN WIRE GROUND.
S_a	SINGLE POLE WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED. (LOWER CASE LETTER, WHEN USED, DENOTES FIXTURES CONTROLLED).
S_{3a}	THREE-WAY WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED. (LOWER CASE LETTER, WHEN USED, DENOTES FIXTURES CONTROLLED).
S_{4a}	FOUR-WAY WALL SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED. (LOWER CASE LETTER, WHEN USED, DENOTES FIXTURES CONTROLLED).
S_{EX}	EXPLOSIONPROOF SWITCH. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
S_T	THERMAL SWITCH. WEATHERPROOF IF INSTALLED OUTSIDE. FLUSH MOUNTED UP 44" UNLESS OTHERWISE INDICATED.
⊖	JUNCTION BOX FLUSH IN WALL. HEIGHT AS INDICATED FOR CONNECTION TO EQUIPMENT.
⊖	20 AMP DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.
EX⊖	20 AMP EXPLOSIONPROOF DUPLEX RECEPTACLE, UP 18" OR AS INDICATED.
EWC⊖	20 AMP DUPLEX GROUNDING TYPE CONVENIENCE RECEPTACLE INSTALLED WITHIN CASE OF ELECTRIC WATER COOLER.
⊖	20 AMP GROUND FAULT INTERRUPTING DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.
WP⊖	20 AMP WEATHERPROOF DUPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED. COVER TO BE "HUBBELL" #5206 OR APPROVED EQUAL.
⊕	20 AMP FOURPLEX CONVENIENCE RECEPTACLE, UP 18" OR AS INDICATED.

PROJECT GENERAL NOTES (Applies to all electrical sheets)

A. THE CONTRACTOR SHALL FAMILIARIZE THEMSELF WITH PROJECT PRIOR TO THE BID OPENING, TO ALLOW HIM TO SUBMIT A COMPLETE BID WITHIN THE SCOPE OF THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS ARISING DURING THE BID PERIOD, IN REGARD TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF THE WORK OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE ENGINEER FOR CLARIFICATION PRIOR TO AWARD OF CONTRACT.

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

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

D. THE CONDUIT RUNS AS SHOWN ON PLANS INDICATE APPROXIMATE ROUTING. EXACT LOCATION OF CONDUIT RUNS SHALL BE AS FIELD CONDITIONS DICTATE.

E. CONTRACTOR SHALL INSTALL PULL AND JUNCTION BOXES WHEREVER REQUIRED BY N.E.C. OR JOB CONDITIONS. ALL NEW WIRING SHALL BE TAGGED AT ALL PULL BOXES, JUNCTION BOXES, EQUIPMENT BOXES AND CABINETS WITH APPROVED PLASTIC TAGS. ACTION CRAFT, BRADY OR APPROVED EQUAL.

F. SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE THEIR RESPONSIBILITY TO NOTIFY THE ENGINEER FOR CLARIFICATION PRIOR TO COMMENCING SUCH WORK.

G. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS.

H. REMOVE AND INSTALL CEILING SUPPORTS AND TILES AS REQUIRED FOR THE COMPLETION OF THIS PROJECT. THIS CONTRACTOR SHALL INCLUDE REPLACEMENT OF CEILING TILES DAMAGED IN THE PROCESS OF THIS INSTALLATION WITH NEW MATCHING TILES. THE SAME APPLIES TO DAMAGE DONE TO OTHER KINDS OF CEILINGS.

I. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO WALLS CEILINGS, ETC., IN A PROFESSIONAL MANNER. SEAL ALL WALL OR CEILING OPENINGS WITH MATCHING MATERIAL. THIS SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.

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

K. INSTALL BLANK DEVICE PLATES ON ALL UNUSED JUNCTION BOXES.

L. ALL ELECTRICAL WIRING SHALL BE ROUTED IN CONDUIT. WIRING BELOW CEILING SHALL BE CONCEALED IN WALLS.

M. REFER TO POWER PLANS FOR DETAILED LAYOUTS OF ELECTRICAL EQUIPMENT.

N. AFTER THE CONTRACTOR HAS RECEIVED APPROVED SHOP DRAWINGS FOR THE ELECTRICAL DISTRIBUTION EQUIPMENT, THEY SHALL SUBMIT SCALED LAYOUTS OF ALL ELECTRICAL EQUIPMENT TO THE ENGINEER FOR APPROVAL TO ENSURE THAT ALL CLEARANCE REQUIREMENTS ARE MET. THIS SUBMITTAL SHALL BE PROVIDED WITH SUFFICIENT TIME SO AS NOT TO INTERFERE WITH THE TIMELY EXECUTION OF THE ROUGH-IN WORK THAT WILL BE REQUIRED.

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

P. ALL NEW WIRING SHALL BE COPPER.

Q. ALL HOME RUN CIRCUITING TO PANELS SHALL BE .75" CONDUIT, MINIMUM.

R. MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES FOR EXACT HEIGHT REQUIRED. THIS REQUIREMENT ALSO APPLIES TO THE LOCATION OF WALL BOXES FOR HVAC SENSORS, T-STATS, ETC. ANY THIS NOTE APPLIES TO ALL ELECTRICAL SHEETS IN THESE DRAWINGS: OUTLET DEVICES THAT HAVE TO BE RELOCATED DUE TO COUNTERTOP, CHALKBOARD, TACKBOARD, TYPE CONFLICTS WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.

S. ALL MECHANICAL CONTROLS SHALL BE PROVIDED AND INSTALLED BY CONTROLS CONTRACTOR INCLUDING ALL STARTERS, CONTACTORS, RELAYS, CONDUIT AND WIRE (HIGH AND LOW VOLTAGE), ETC.

T. DUCT MOUNTED SMOKE DETECTORS IN MECHANICAL EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. WIRE, CONDUIT AND CONNECTIONS TO FIRE ALARM SYSTEM SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. SMOKE DETECTORS SHALL BE COMPATIBLE WITH FIRE ALARM SYSTEM.

U. CONTRACTOR SHALL COORDINATE WITH FUEL FARM DRAWINGS FOR ADDITIONAL WORK INSIDE OPERATIONS BUILDING.

SURVEY INFORMATION

FIELD NOTES

No.	By	Date
2050	URS	8/02

BENCH MARKS

"1-N16 RESET", AN ACS ALUMINUM CAP

APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

AS BUILT INFORMATION

CONTRACTOR K.L. Houser DATE 2-04

STAKED BY K.L. Houser

	DATE
INSPECTOR'S FIELD MARKS BY	
FIELD VERIFICATION BY	
CORRECTED BY	

MICRO-FILM INFORMATION

RECORDED BY DATE

ENGINEER'S SEAL

DANIEL M. ROMERO Jr. NEW MEXICO 10004 REGISTERED PROFESSIONAL ENGINEER

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No.	Remarks	DIH	By
	REVISIONS		
1	11/17/04 Build14 Permit Review Comments	DIH	

DESIGN
Designed By M. KIDDER Date 4/28/04
Drawn By L. DOTSON Date 4/28/04
Checked By D. ROMERO Date 4/28/04

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
ELECTRICAL SYMBOL LEGEND AND GENERAL NOTES

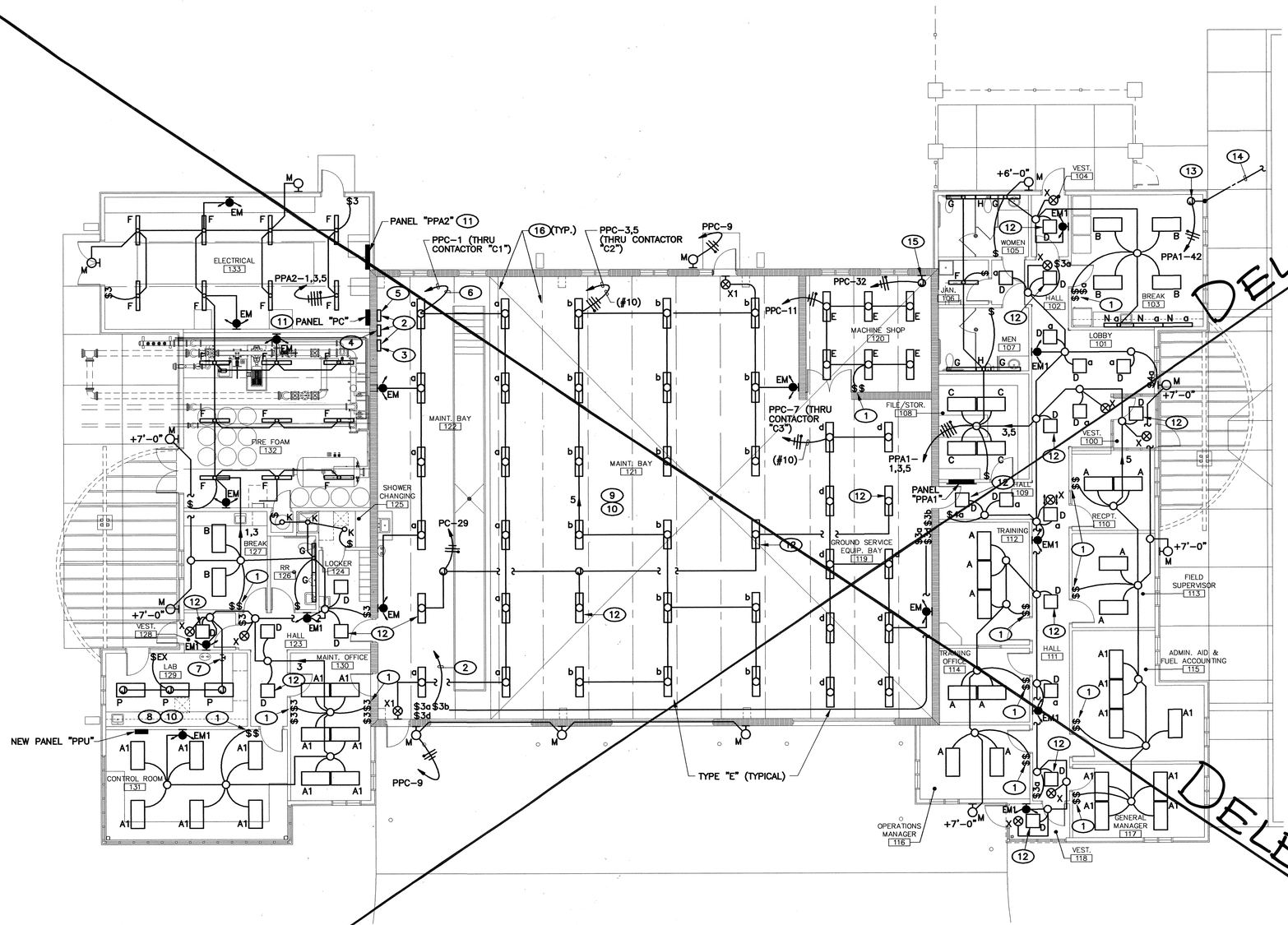
Design Review Committee: APPROVED JUL - 9 2004 DESIGN REVIEW COMMITTEE

APPROVED JUL - 9 2004 CITY ENGINEER

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	37	44	E001



KEYED NOTES

1. ONE SWITCH SHALL CONTROL THE OUTBOARD LAMPS AND THE OTHER SWITCH SHALL CONTROL THE INBOARD LAMPS OF ALL FIXTURES IN THIS ROOM.
2. SEE LIGHTING CONTROL WIRING DIAGRAM ON SHEET E501.
3. CONTACTOR "C1".
4. CONTACTOR "C2".
5. CONTACTOR "C3".
6. 2 #8, 1 #10 GND., .75"C.
7. PROVIDE CONDUIT SEALING FITTING.
8. ALL WORK IN THIS ROOM SHALL BE CLASS 1, DIVISION 1.
9. ALL WORK IN THIS AREA SHALL BE CLASS 1, DIVISION 2 TO 18" AFF. WORK IN PIT SHALL BE CLASS 1, DIVISION 1.
10. ALL WORK IN THIS AREA SHALL CONFORM TO NEC, ARTICLE 500 REQUIREMENTS FOR CLASSIFIED HAZARDOUS LOCATIONS.
11. COORDINATE EXACT LOCATION WITH FUEL FARM DRAWINGS.
12. FIXTURE SHALL BE UNSWITCHED TO SERVE AS NIGHT LIGHT.
13. JUNCTION BOX MOUNTED ABOVE CEILING FOR PARKING LOT SIGN LIGHTING.
14. UNDERGROUND TO SIGN LIGHTING AT NORTHEAST CORNER OF PARKING LOT. PROVIDE AND INSTALL WEATHERPROOF JUNCTION BOX AT THIS LOCATION WITH WIRE COILED UP IN BOX FOR FUTURE CONNECTION BY OWNER. COORDINATE EXACT LOCATION WITH OWNER.
15. JUNCTION BOX MOUNTED 12" BELOW ROOF DECK FOR BUILDING SIGN LIGHTING WITH WIRE COILED UP IN BOX FOR FUTURE CONNECTION BY OWNER. COORDINATE EXACT LOCATION WITH OWNER.
16. EXPOSED JOIST ON UNDERSIDE OF ROOF DECK.

GENERAL NOTES

A. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF FIXTURES.

B. REFER TO SHEET E601 FOR LIGHTING FIXTURE SCHEDULE.

DELETED

C3	LIGHTING PLAN
1/8"=1'-0"	E101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

AS BUILT INFORMATION
CONTRACTOR K.L. Howse DATE 10-06
STAKED BY K.L. Howse DATE
INSPECTED BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

ENGINEER'S SEAL
DANIEL M. ROMERO Jr. NEW MEXICO 14004 REGISTERED PROFESSIONAL ENGINEER STATE OF

No.	By	Remarks	Date
1	DMR	Building Permit Review Comments	11/17/04
		REVISIONS	
		DESIGN	
Designed By	M. KIDDER		Date 4/28/04
Drawn By	L. DOTSON		Date 4/28/04
Checked By	D. ROMERO		Date 4/28/04

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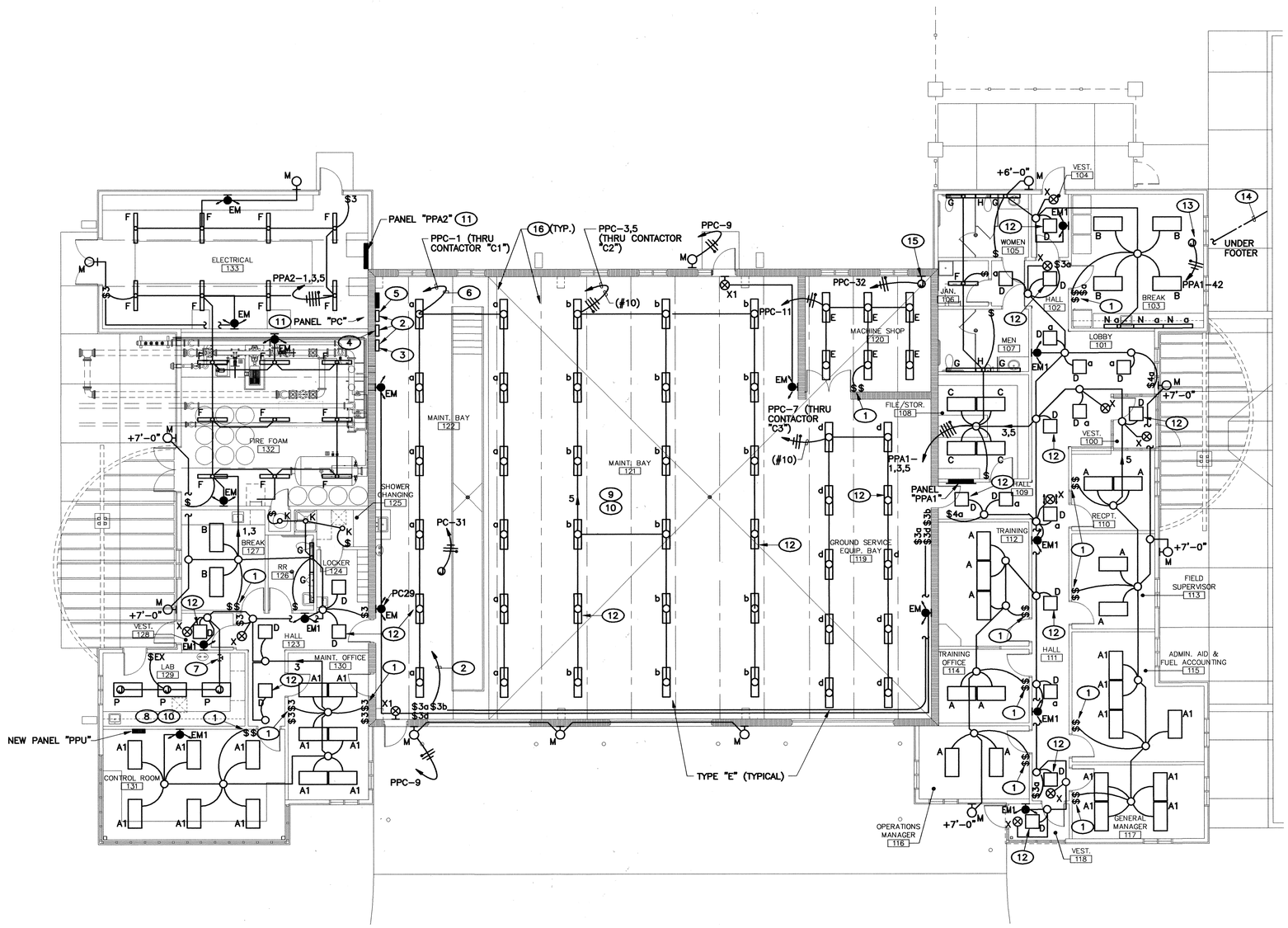
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING LIGHTING PLAN**

Design Review Committee
APPROVED JUL - 9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL - 9 2004 CITY ENGINEER

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

City Project No. 5922-13 | Zone Map No. N15 | Sheet 38 Of 44 | Dwg. E101



KEYED NOTES

1. ONE SWITCH SHALL CONTROL THE OUTBOARD LAMPS AND THE OTHER SWITCH SHALL CONTROL THE INBOARD LAMPS OF ALL FIXTURES IN THIS ROOM.
2. SEE LIGHTING CONTROL WIRING DIAGRAM ON SHEET E501.
3. CONTACTOR "C1".
4. CONTACTOR "C2".
5. CONTACTOR "C3".
6. 2 #8, 1 #10 GND., .75"C.
7. PROVIDE CONDUIT SEALING FITTING.
8. ALL WORK IN THIS ROOM SHALL BE CLASS 1, DIVISION 1.
9. ALL WORK IN THIS AREA SHALL BE CLASS 1, DIVISION 2 TO 18" AFF. WORK IN PIT SHALL BE CLASS 1, DIVISION 1.
10. ALL WORK IN THIS AREA SHALL CONFORM TO NEC, ARTICLE 500 REQUIREMENTS FOR CLASSIFIED HAZARDOUS LOCATIONS.
11. COORDINATE EXACT LOCATION WITH FUEL FARM DRAWINGS.
12. FIXTURE SHALL BE UNSWITCHED TO SERVE AS NIGHT LIGHT.
13. JUNCTION BOX MOUNTED ABOVE CEILING FOR PARKING LOT SIGN LIGHTING.
14. UNDERGROUND TO SIGN LIGHTING AT NORTHEAST CORNER OF PARKING LOT. PROVIDE AND INSTALL WEATHERPROOF JUNCTION BOX AT THIS LOCATION WITH WIRE COILED UP IN BOX FOR FUTURE CONNECTION BY OWNER. COORDINATE EXACT LOCATION WITH OWNER.
15. JUNCTION BOX MOUNTED 12" BELOW ROOF DECK FOR BUILDING SIGN LIGHTING WITH WIRE COILED UP IN BOX FOR FUTURE CONNECTION BY OWNER. COORDINATE EXACT LOCATION WITH OWNER.
16. EXPOSED JOIST ON UNDERSIDE OF ROOF DECK.

GENERAL NOTES

A. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF FIXTURES.

B. REFER TO SHEET E601 FOR LIGHTING FIXTURE SCHEDULE.

C3	LIGHTING PLAN
1/8"=1'-0"	E101

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

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AS BUILT INFORMATION
CONTRACTOR KL HOUSE DATE 10/08
WORK STAKED BY KL HOUSE
INSPECTION & ACCEPTANCE BY DATE
VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL

No.	Remarks	By	Date
	REVISIONS		
	DESIGN		7/09/04
	Designed By M. KIDDER		7/09/04
	Drawn By L. DOTSON		7/09/04
	Checked By D. ROMERO		

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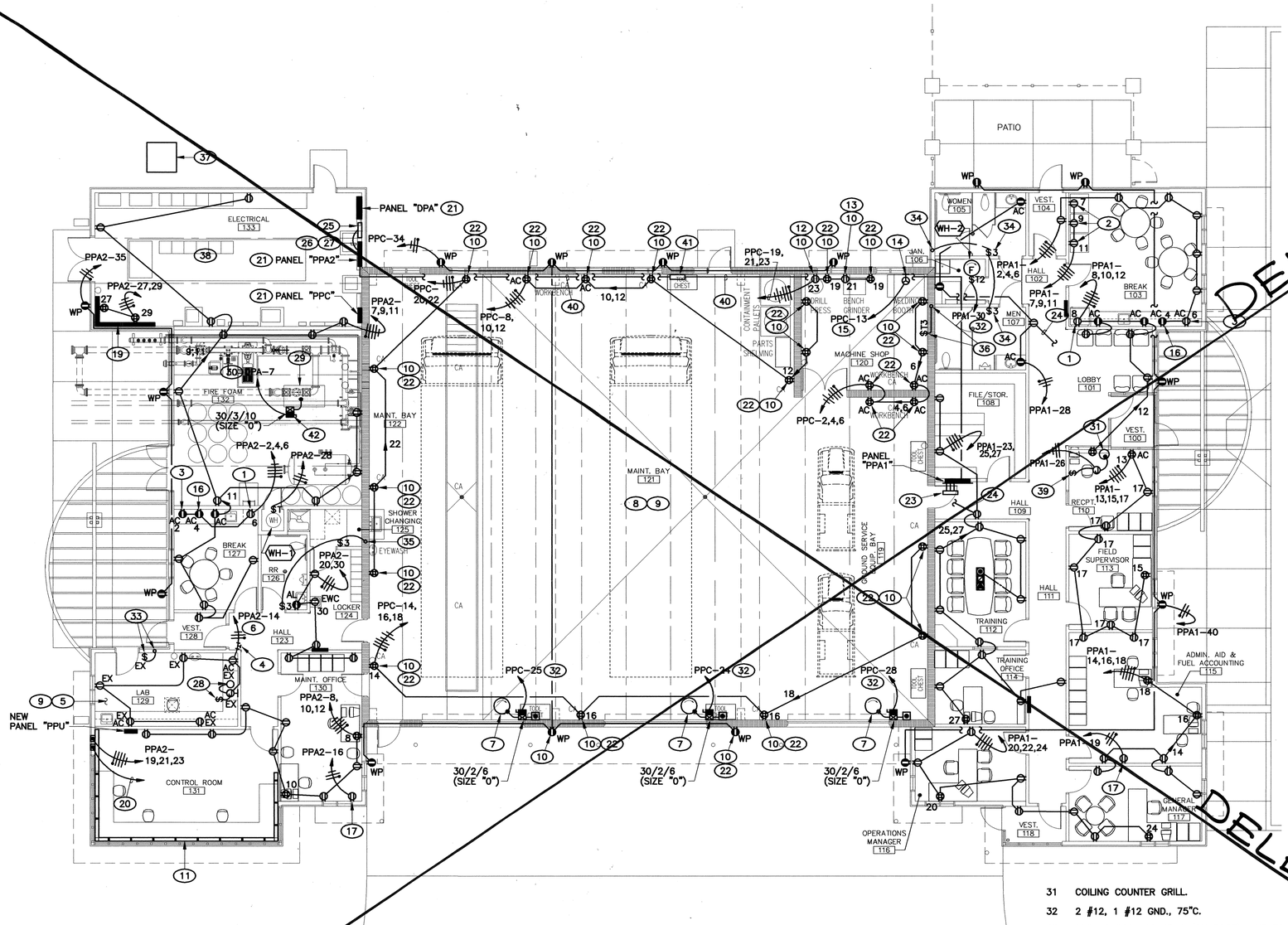
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING LIGHTING PLAN**

Design Review Committee

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

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	38	44	E101



KEYED NOTES

1 FOR REFRIGERATOR.

2 FOR VENDING MACHINE.

3 FOR MICROWAVE OVEN.

4 PROVIDE CONDUIT SEALING FITTING.

5 ALL WORK IN THIS ROOM SHALL BE CLASS 1, DIVISION 1.

6 CIRCUITS SHALL BE FED FROM A GFCI CIRCUIT BREAKER.

7 MOTORIZED DOOR.

8 ALL WORK IN THIS AREA SHALL BE CLASS 1, DIVISION 2 TO 18" AFF. WORK IN PIT SHALL BE CLASS 1, DIVISION 1.

9 ALL WORK IN THIS AREA SHALL CONFORM TO NEC, ARTICLE 500 REQUIREMENTS FOR CLASSIFIED HAZARDOUS LOCATIONS.

10 MOUNTED +24" AFF.

11 SURFACE MOUNTED TWO COMPARTMENT STEEL RACEWAY FOR POWER, TELEPHONE AND DATA SYSTEMS, WIREMOLD #V6000 SERIES OR APPROVED EQUAL. PROVIDE DUPLEX CONVENIENCE RECEPTACLES ON 36" CENTERS AND POWER WIRING IN UPPER COMPARTMENT. PROVIDE COMBINATION TELEPHONE/DATA OUTLETS ON 72" CENTERS AND ASSOCIATED CABLES IN LOWER COMPARTMENT. COMBINATION TELEPHONE/DATA OUTLETS SHALL BE MOUNTED DIRECTLY BENEATH DUPLEX RECEPTACLES. CONNECT A MINIMUM OF (4) RECEPTACLES PER CIRCUIT. MOUNT RACEWAY +36" AFF.

12 FOR DRILL PRESS.

13 FOR BENCH GRINDER.

14 FOR WELDER. 50A, 125/250V, 3P4W GROUNDING SINGLE RECEPTACLE. COORDINATE EXACT TYPE WITH EQUIPMENT PROVIDED.

15 3 #6, 1 #10 GND., 1.00"C.

16 FOR COFFEE MAKER.

17 FOR COPY MACHINE. COORDINATE EXACT LOCATION WITH OWNER.

18 NOT USED.

19 TELEPHONE/DATA TERMINAL BOARD "TTB/FO".

20 (6) 4-PAIR CAT. 6 TELEPHONE AND (6) 4-PAIR CAT. 6 DATA CABLES IN 1.25"C. TO "TTB/FO".

21 COORDINATE EXACT LOCATION WITH FUEL FARM DRAWINGS.

22 PROVIDE "GFCI" RECEPTACLES.

23 6" X 6" X 24" NEMA 1 WIREWAY, HOFFMAN #F-66G24 OR APPROVED EQUAL, MOUNTED ABOVE ACCESSIBLE CEILING WITH (3) 3.00" EMPTY CONDUITS FROM WIREWAY TO PANEL "PPA1" FOR FUTURE WIRING.

24 CONNECT TO CONTROL TRANSFORMER "CT1". SEE KEYED NOTE #9 ON SHEET E103.

25 PROVIDE TRANSIENT VOLTAGE SURGE SUPPRESSOR UNIT LISTED AS SUITABLE FOR PARALLEL INSTALLATION ON 208/120V, 60Hz SUPPLY, RATED FOR 80KA PER PHASE AND 40KA PER MODE L-L, L-N, L-G AND N-G.

26 4 #1/0, 1 #1/0 GND., 2"C. CONNECT (AS REQUIRED) TO MAIN BUS OF PANEL "PPA2" PER MANUFACTURER'S RECOMMENDATION. SEE KEYED NOTE #27 ON THIS SHEET.

27 TWIST CIRCUIT CONDUCTORS TOGETHER PRIOR TO INSTALLATION IN CONDUIT. MINIMIZE TO THE GREATEST DEGREE POSSIBLE, THE CIRCUIT LENGTH BETWEEN THE CIRCUIT BREAKER CONNECTION AND THE TVSS UNIT. MINIMIZE THE NUMBER OF BENDS REQUIRED TO ROUTE THE CIRCUIT CONDUCTORS BETWEEN THE CIRCUIT BREAKER CONNECTION AND THE TVSS UNIT. AVOID SHARP BENDS WHERE BENDS ARE REQUIRED.

28 EXPLOSION PROOF FIXTURE PROVIDED WITH FUME HOOD AND INSTALLED BY MECHANICAL CONTRACTOR. ASSOCIATED WIRING AND SWITCH SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.

29 EXISTING RELOCATED 5HP, 480V, 3PH AIR COMPRESSOR. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.

30 3 #12, 1 #12 GND., .75"C.

31 COILING COUNTER GRILL.

32 2 #12, 1 #12 GND., 75"C.

33 FOR CONTROL OF FE-1 (ON ROOF). UP TO FE-1.

34 FOR CONTROL OF EF-2 (ON ROOF). UP TO EF-2.

35 FOR CONTROL OF EF-1 (ON ROOF). UP TO EF-1.

36 THREE POLE, THREE PHASE THERMAL SWITCH FOR CONTROL OF EF-3 (ON ROOF). UP TO EF-3.

37 POWER COMPANY PAD MOUNTED TRANSFORMER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH POWER COMPANY.

38 SEE FUEL FARM DRAWINGS FOR ELECTRICAL EQUIPMENT LAYOUT IN THIS ROOM.

39 COORDINATE EXACT SWITCH REQUIREMENTS WITH COILING COUNTER GRILL CONTROL.

40 4 #4/0, 1 #4 GND., 2.50"C. (225A) FEEDER FOR PANEL "PPA1" SECURED TO WALL.

41 24"x24"x6 NEMA 1 ENCLOSURE WITH SCREW REMOVABLE COVER, HOFFMAN #A-SE24X24X6NK OR APPROVED EQUAL.

42 FOR COMBINATION STARTER MOUNTING, SEE DETAIL "C1" ON SHEET E502.

C3	POWER PLAN
1/8"=1'-0"	E102

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

AS BUILT INFORMATION
BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73
CONTRACTOR K.L. Houser DATE 10-04
WORK PERFORMED BY K.L. Houser DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
CORRECTIONS BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
DANIEL M. ROMERO JR. NEW MEXICO 10084 REGISTERED PROFESSIONAL ENGINEER

No.	By	Remarks	Date
1	11/17/04	Building Permit/Review Comments	4/28/04

REVISIONS
DESIGN Date 4/28/04
Designed By M. KIDDER
Drawn By L. DOTSON
Checked By D. ROMERO

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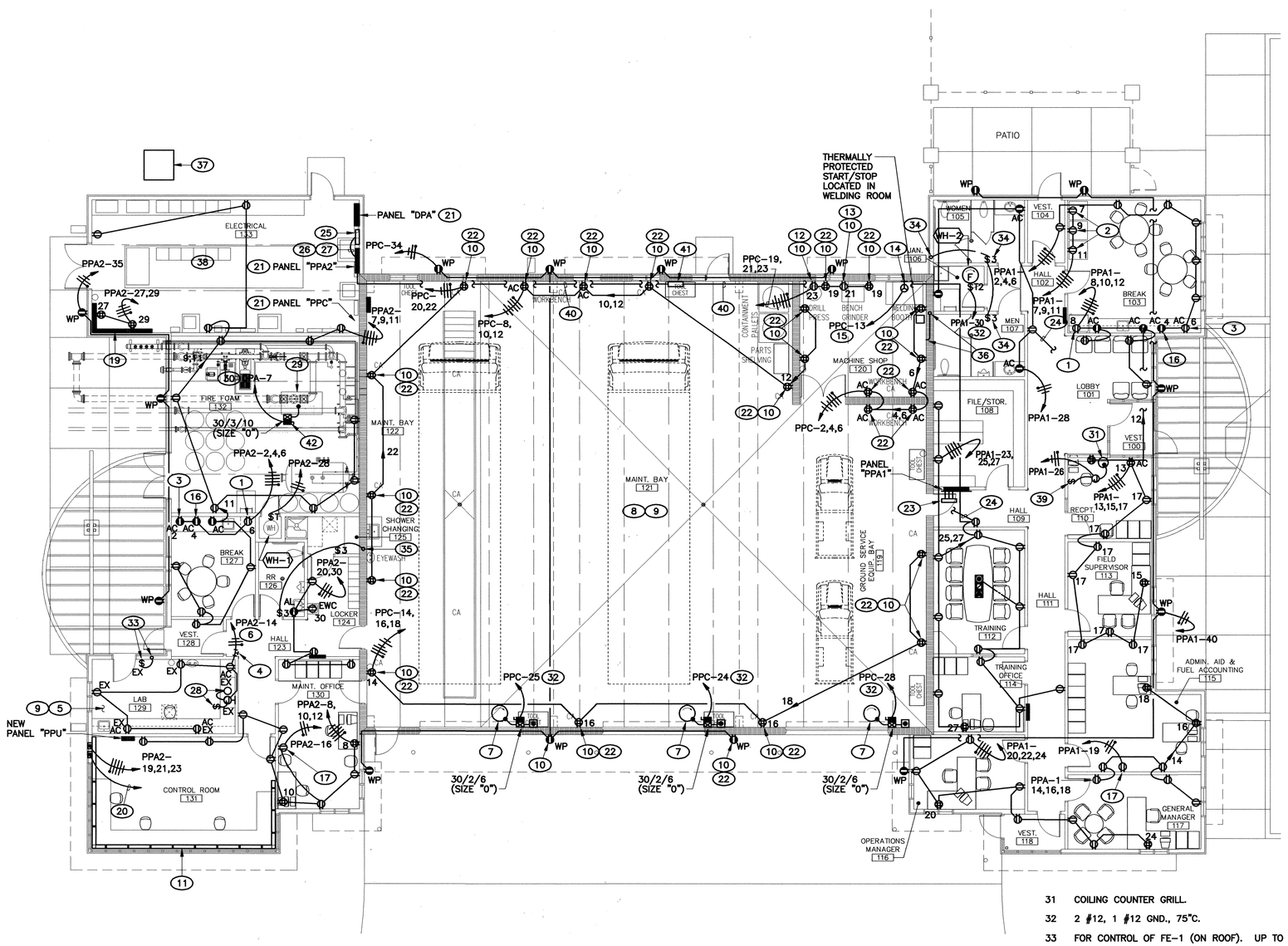
CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
POWER PLAN

Design Review Committee APPROVED JUL - 9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL - 9 2004 CITY ENGINEER
Last Design Update

	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	39	44	E102



KEYED NOTES

1 FOR REFRIGERATOR.

2 FOR VENDING MACHINE.

3 FOR MICROWAVE OVEN.

4 PROVIDE CONDUIT SEALING FITTING.

5 ALL WORK IN THIS ROOM SHALL BE CLASS 1, DIVISION 1.

6 CIRCUITS SHALL BE FED FROM A GFCI CIRCUIT BREAKER.

7 MOTORIZED DOOR.

8 ALL WORK IN THIS AREA SHALL BE CLASS 1, DIVISION 2 TO 18" AFF. WORK IN PIT SHALL BE CLASS 1, DIVISION 1.

9 ALL WORK IN THIS AREA SHALL CONFORM TO NEC, ARTICLE 500 REQUIREMENTS FOR CLASSIFIED HAZARDOUS LOCATIONS.

10 MOUNTED +24" AFF.

11 SURFACE MOUNTED TWO-COMPARTMENT STEEL RACEWAY FOR POWER, TELEPHONE AND DATA SYSTEMS, WIREMOLD #V6000 SERIES OR APPROVED EQUAL. PROVIDE DUPLEX CONVENIENCE RECEPTACLES ON 36" CENTERS AND POWER WIRING IN UPPER COMPARTMENT. PROVIDE COMBINATION TELEPHONE/DATA OUTLETS ON 72" CENTERS AND ASSOCIATED CABLES IN LOWER COMPARTMENT. COMBINATION TELEPHONE/DATA OUTLETS SHALL BE MOUNTED DIRECTLY BENEATH DUPLEX RECEPTACLES. CONNECT A MAXIMUM OF (4) RECEPTACLES PER CIRCUIT. MOUNT RACEWAY +36" AFF.

12 FOR DRILL PRESS.

13 FOR BENCH GRINDER.

14 FOR WELDER. 50A, 125/250V, 3P4W GROUNDING SINGLE RECEPTACLE. COORDINATE EXACT TYPE WITH EQUIPMENT PROVIDED.

15 3 #6, 1 #10 GND., 1.00"C.

16 FOR COFFEE MAKER.

17 FOR COPY MACHINE. COORDINATE EXACT LOCATION WITH OWNER.

18 NOT USED.

19 TELEPHONE/DATA TERMINAL BOARD "TTB/FO".

20 (6) 4-PAIR CAT. 6 TELEPHONE AND (6) 4-PAIR CAT. 6 DATA CABLES IN 1.25"C. TO "TTB/FO".

21 COORDINATE EXACT LOCATION WITH FUEL FARM DRAWINGS.

22 PROVIDE "GFCI" RECEPTACLES.

23 6" X 6" X 24" NEMA 1 WIREWAY, HOFFMAN #F-66G24 OR APPROVED EQUAL, MOUNTED ABOVE ACCESSIBLE CEILING WITH (3) 3.00" EMPTY CONDUITS FROM WIREWAY TO PANEL "PPA1" FOR FUTURE WIRING.

24 CONNECT TO CONTROL TRANSFORMER "CT1". SEE KEYED NOTE #9 ON SHEET E103.

25 PROVIDE TRANSIENT VOLTAGE SURGE SUPPRESSOR UNIT LISTED AS SUITABLE FOR PARALLEL INSTALLATION ON 208/120V, 60Hz SUPPLY, RATED FOR 80KA PER PHASE AND 40KA PER MODE L-L, L-N, L-G AND N-G.

26 4 #1/0, 1 #1/0 GND., 2"C. CONNECT (AS REQUIRED) TO MAIN BUS OF PANEL "PPA2" PER MANUFACTURER'S RECOMMENDATION. SEE KEYED NOTE #27 ON THIS SHEET.

27 TWIST CIRCUIT CONDUCTORS TOGETHER PRIOR TO INSTALLATION IN CONDUIT. MINIMIZE TO THE GREATEST DEGREE POSSIBLE, THE CIRCUIT LENGTH BETWEEN THE CIRCUIT BREAKER CONNECTION AND THE TVSS UNIT. MINIMIZE THE NUMBER OF BENDS REQUIRED TO ROUTE THE CIRCUIT CONDUCTORS BETWEEN THE CIRCUIT BREAKER CONNECTION AND THE TVSS UNIT. AVOID SHARP BENDS WHERE BENDS ARE REQUIRED.

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30 3 #12, 1 #12 GND., .75"C.

31 COILING COUNTER GRILL.

32 2 #12, 1 #12 GND., 75"C.

33 FOR CONTROL OF FE-1 (ON ROOF). UP TO FE-1.

34 FOR CONTROL OF EF-2 (ON ROOF). UP TO EF-2.

35 FOR CONTROL OF EF-1 (ON ROOF). UP TO EF-1.

36 THREE POLE, THREE PHASE THERMAL SWITCH FOR CONTROL OF EF-3 (ON ROOF). UP TO EF-3.

37 POWER COMPANY PAD MOUNTED TRANSFORMER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH POWER COMPANY.

38 SEE FUEL FARM DRAWINGS FOR ELECTRICAL EQUIPMENT LAYOUT IN THIS ROOM.

39 COORDINATE EXACT SWITCH REQUIREMENTS WITH COILING COUNTER GRILL CONTROL.

40 4 #4/0, 1 #4 GND., 2.50"C. (225A) FEEDER FOR PANEL "PPA1" SECURED TO WALL.

41 24"x24"x6 NEMA 1 ENCLOSURE WITH SCREW REMOVABLE COVER, HOFFMAN #A-SE24X24X6NK OR APPROVED EQUAL.

42 FOR COMBINATION STARTER MOUNTING, SEE DETAIL "C1" ON SHEET E502.

C3	POWER PLAN
1/8"=1'-0"	E102

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

WARNING
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AS BUILT INFORMATION
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APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO
WEST. ELEV. = 5308.73

	CONTRACTOR	KL HOUSE	DATE 10/06
WORK STAKED BY			
INSPECTION & ACCEPTANCE BY	KL HOUSE		DATE
VERIFICATION BY			DATE
CORRECTIONS RECORDED BY			DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL

No.	Remarks	By	Date
	REVISIONS		
	DESIGN		7/09/04
	Designed By M. KIDDER		Date 7/09/04
	Drawn By L. DOTSON		Date 7/09/04
	Checked By D. ROMERO		Date 7/09/04

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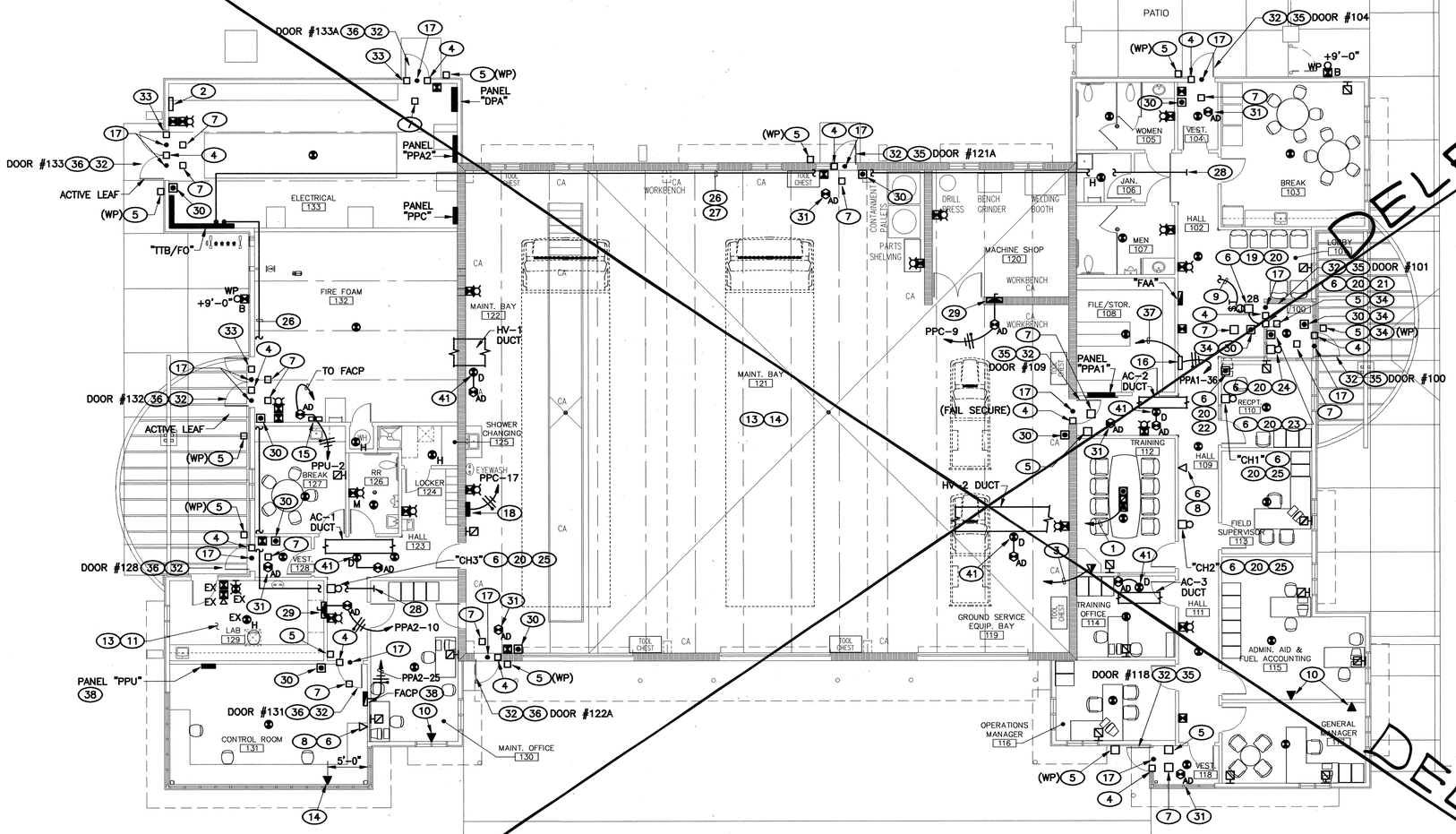
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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING POWER PLAN**

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

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	39	44	E102



KEYED NOTES

1. (1) 4–PAIR CAT. 6 (TELEPHONE CABLE), (1) 4–PAIR CAT. 6 (DATA CABLE) IN 1.00"C. TO "TTB/FO".
2. CABLE TELEVISION CABINET "CATV". 20"X20"X8" NEMA 1 ENCLOSURE WITH SCREW REMOVABLE COVER, HOFFMAN #A–20208GSC OR APPROVED EQUAL.
3. (1) RG–6/U COAXIAL CABLE IN .75"C. TO "CATV" IN ROOM #133. SEE KEYED NOTE #2 ON THIS SHEET.
4. ELECTRIC DOOR STRIKE.
5. ACCESS CONTROL CARD READER. PROVIDE CARD READER HOOD FOR EXTERIOR WEATHERPROOF APPLICATIONS.
6. NUMBER AND SIZE OF CONDUCTORS SHALL BE AS RECOMMENDED BY EQUIPMENT MANUFACTURER.
7. MATRIX MX "RCM".
8. PIEZO SIREN, SENTROL HAS–395 OR APPROVED EQUAL. CONNECT (AS REQUIRED) TO MATRIX MX RDP CONTROL PANEL.
9. CONNECT TO RECEPTACLE. SEE KEYED NOTE #24 ON SHEET E102.
10. FOR FAX MACHINE. COORDINATE EXACT LOCATION WITH OWNER.
11. ALL WORK IN THIS ROOM SHALL BE CLASS 1, DIVISION 1.
12. ALL WORK IN THIS AREA SHALL BE CLASS 1, DIVISION 2 TO 18" AFF. WORK IN PIT SHALL BE CLASS 1, DIVISION 1.
13. ALL WORK IN THIS AREA SHALL CONFORM TO NEC, ARTICLE 500 REQUIREMENTS FOR CLASSIFIED HAZARDOUS LOCATIONS.
14. INSTALL DEDICATED TELEPHONE OUTLET FOR FAX MACHINE IN LOWER COMPARTMENT OF SURFACE RACEWAY.
15. FIRE PROTECTION RELEASING PANEL.
16. MATRIX MX RDP CONTROL PANEL.
17. DOOR CONTACT.
18. FE–2 REMOTE START CONTROL PANEL PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.
19. CONTROL TRANSFORMER "CT1" FOR DOOR STRIKE OPENER, BUZZER AND CHIMES, MOUNTED ON JUNCTION BOX ABOVE ACCESSIBLE CEILING.
20. SEE WIRING DETAIL #K1 ON SHEET E501.
21. ELECTRIC DOOR STRIKE OPENER "DS1" (NORMALLY LOCKED) (24VAC). PROVIDE IN DOOR HARDWARE PACKAGE AS SPECIFIED IN ARCHITECTURAL SPECIFICATIONS.
22. PUSHBUTTON "PB1". MOUNT PUSHBUTTON DIRECTLY BENEATH COUNTER (OUT OF SIGHT). COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER.
23. PUSHBUTTON "PB2". RECESS MOUNTED IN STORE FRONT DOOR FRAME. COORDINATE EXACT MOUNTING REQUIREMENTS WITH ARCHITECT.
24. BUZZER "B1" MOUNTED ABOVE PUSHBUTTON "PB2". COORDINATE EXACT MOUNTING REQUIREMENTS WITH ARCHITECT.
25. CHIME, MOUNTED SAME HEIGHT AS FIRE ALARM HORN/STROBES.
26. 1.50" EMPTY CONDUIT WITH PULL CORD FOR ASIG NETWORK WIRING.
27. SECURE TO WALL.
28. STUB–OUT AND BUSH ABOVE ACCESSIBLE CEILING.
29. FIRE/SMOKE DAMPER (F/SD) PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. INTEGRAL SMOKE DETECTOR BY MECHANICAL CONTRACTOR SHALL BE COMPATIBLE WITH FIRE ALARM SYSTEM. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL WIRE, CONDUIT AND CONNECTIONS TO FIRE ALARM SYSTEM.
30. EXIT PUSH BUTTON.
31. FIRE ALARM ADDRESSIBLE INTERFACE MODULE FOR CONNECTION TO FIRE ALARM SYSTEM.
32. FOR DOOR SECURITY REQUIREMENTS, SEE SHEET E502.
33. ELECTRIC HINGE.
34. RECESSED MOUNTED IN STORE FRONT DOOR FRAME. COORDINATE EXACT MOUNTING REQUIREMENTS WITH ARCHITECT.
35. "RCM" FOR DOORS #100, #101, #104, #109, #118 AND #121A SHALL BE CONNECTED TOGETHER WITH 1.00" CONDUIT AND MATRIX LOOP CABLE PROVIDED FOR ONE LOOP. CONNECT (AS REQUIRED) TO MATRIX MX RDP CONTROL PANEL. SEE KEYED NOTE #16 ON THIS SHEET AND WIRING DIAGRAM #C7 ON SHEET E502.
36. "RCM" FOR DOORS #122A, #128, #131, #132, #133 AND #133A SHALL BE CONNECTED TOGETHER WITH 1.00" CONDUIT AND MATRIX LOOP CABLE PROVIDED FOR ONE LOOP. CONNECT (AS REQUIRED) TO MATRIX MX RDP CONTROL PANEL. SEE KEYED NOTE #16 ON THIS SHEET AND WIRING DIAGRAM #C7 ON SHEET E502.
37. NEW FIBER OPTICS CABLE (4 STRAND MULTIMODE) IN 1.00"C. TO TTB/FO. TERMINATE (AS REQUIRED) TO FIBER OPTICS PATCH PANEL.
38. AS SHOWN ON FUEL FARM DRAWINGS. COORDINATE EXACT LOCATION WITH FUEL FARM DRAWINGS.
39. NOT USED.
40. CONTRACTOR SHALL COORDINATE WITH FUEL FARM DRAWINGS FOR ADDITIONAL FIRE ALARM WORK.
41. DUCT MOUNTED SMOKE DETECTORS SHALL BE PROVIDED, INSTALLED AND LOCATED BY MECHANICAL CONTRACTOR. SEE GENERAL NOTE "I" ON SHEET E001.

C3	SPECIAL SYSTEMS PLAN (40)
1/8"=1'–0"	E103

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'–0"

AS BUILT INFORMATION
CONTRACTOR K.L. Howe DATE 10-06
WORK OBSERVED BY K.L. Howe
INSPECTORS FIELD REMARKS BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY DATE
MICRO–FILM INFORMATION
WEST. ELEV. = 5308.73
RECORDED BY DATE

BENCH MARKS
"1–N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
DANIEL M. ROMERO JR. NEW MEXICO 10004 REGISTERED PROFESSIONAL ENGINEER

No.	Description	By	Date
1	11/15/04 Building Permit/Review Comments	DMR	4/28/04

REVISIONS
DESIGN Designed By M. KIDDER Date 4/28/04
Remarks Drawn By L. DOTSON Date 4/28/04
Checked By D. ROMERO Date 4/28/04

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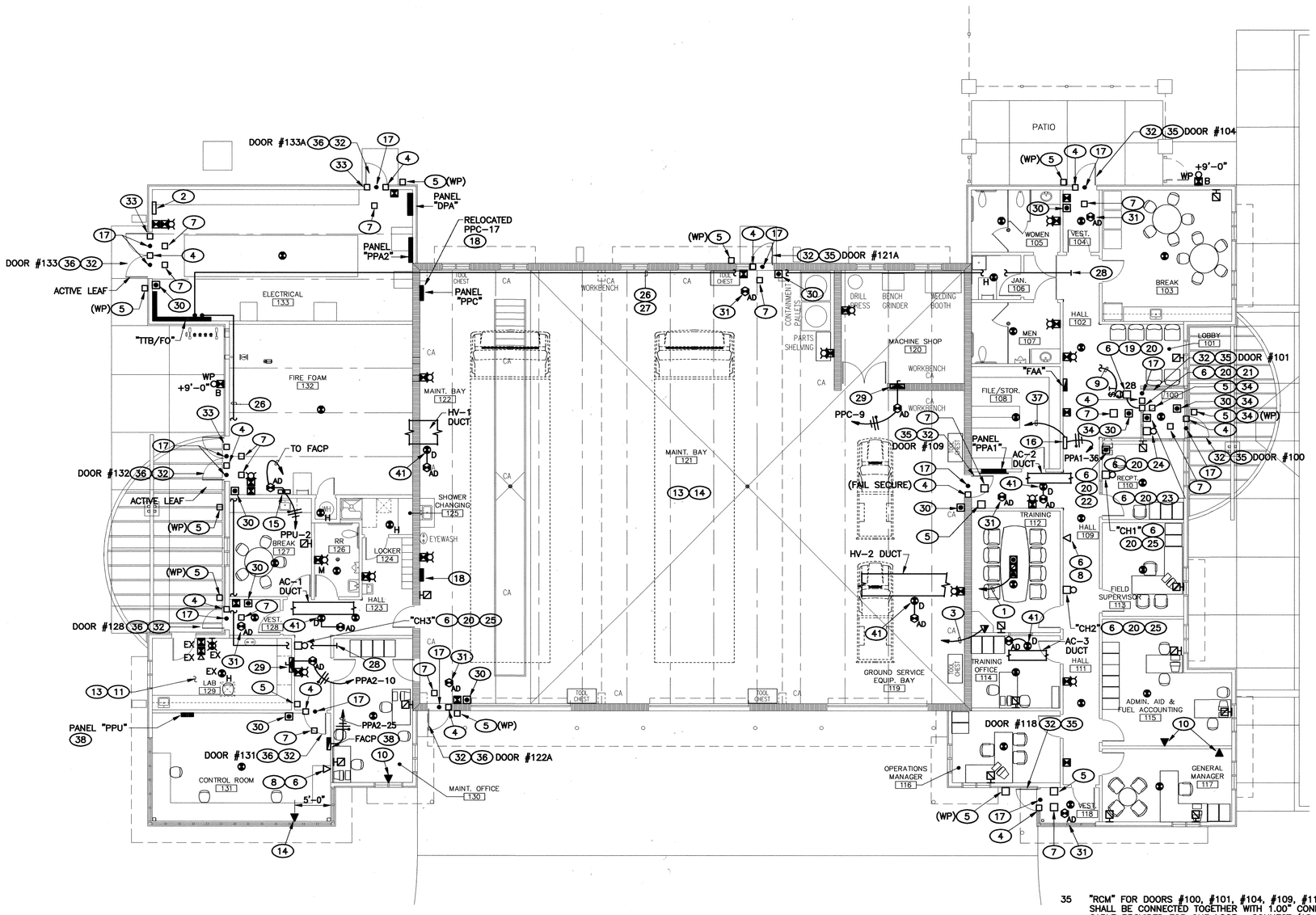
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(505) 855–7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE:
SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
SPECIAL SYSTEMS PLAN

Design Review Committee: APPROVED JUL – 9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL – 9 2004 CITY ENGINEER
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No. 13 5922-
Zone Map No. N15
Sheet 40 Of 44
Dwg. E103



C3	SPECIAL SYSTEMS PLAN (40)
1/8"=1'-0"	E103

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

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KEYED NOTES

1 (1) 4-PAIR CAT. 6 (TELEPHONE CABLE), (1) 4-PAIR CAT. 6 (DATA CABLE) IN 1.00"C. TO "TTB/FO".

2 CABLE TELEVISION CABINET "CATV". 20"X20"X8" NEMA 1 ENCLOSURE WITH SCREW REMOVABLE COVER, HOFFMAN #A-20208GSC OR APPROVED EQUAL.

3 (1) RG-6/U COAXIAL CABLE IN .75"C. TO "CATV" IN ROOM #133. SEE KEYED NOTE #2 ON THIS SHEET.

4 ELECTRIC DOOR STRIKE.

5 ACCESS CONTROL CARD READER. PROVIDE CARD READER HOOD FOR EXTERIOR WEATHERPROOF APPLICATIONS.

6 NUMBER AND SIZE OF CONDUCTORS SHALL BE AS RECOMMENDED BY EQUIPMENT MANUFACTURER.

7 MATRIX MX "RCM".

8 PIEZO SIREN, SENTROL #AS-395 OR APPROVED EQUAL. CONNECT (AS REQUIRED) TO MATRIX MX RDP CONTROL PANEL.

9 CONNECT TO RECEPTACLE. SEE KEYED NOTE #24 ON SHEET E102.

10 FOR FAX MACHINE. COORDINATE EXACT LOCATION WITH OWNER.

11 ALL WORK IN THIS ROOM SHALL BE CLASS 1, DIVISION 1.

12 ALL WORK IN THIS AREA SHALL BE CLASS 1, DIVISION 2 TO 18" AFF. WORK IN PIT SHALL BE CLASS 1, DIVISION 1.

13 ALL WORK IN THIS AREA SHALL CONFORM TO NEC, ARTICLE 500 REQUIREMENTS FOR CLASSIFIED HAZARDOUS LOCATIONS.

14 INSTALL DEDICATED TELEPHONE OUTLET FOR FAX MACHINE IN LOWER COMPARTMENT OF SURFACE RACEWAY.

15 FIRE PROTECTION RELEASING PANEL.

16 MATRIX MX RDP CONTROL PANEL.

17 DOOR CONTACT.

18 FE-2 REMOTE START CONTROL PANEL PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.

19 CONTROL TRANSFORMER "CT1" FOR DOOR STRIKE OPENER, BUZZER AND CHIMES, MOUNTED ON JUNCTION BOX ABOVE ACCESSIBLE CEILING.

20 SEE WIRING DETAIL #K1 ON SHEET E501.

21 ELECTRIC DOOR STRIKE OPENER "DS1" (NORMALLY LOCKED) (24VAC). PROVIDE IN DOOR HARDWARE PACKAGE AS SPECIFIED IN ARCHITECTURAL SPECIFICATIONS.

22 PUSHBUTTON "PB1". MOUNT PUSHBUTTON DIRECTLY BENEATH COUNTER (OUT OF SIGHT). COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER.

23 PUSHBUTTON "PB2". RECESS MOUNTED IN STORE FRONT DOOR FRAME. COORDINATE EXACT MOUNTING REQUIREMENTS WITH ARCHITECT.

24 BUZZER "B1" MOUNTED ABOVE PUSHBUTTON "PB2". COORDINATE EXACT MOUNTING REQUIREMENTS WITH ARCHITECT.

25 CHIME, MOUNTED SAME HEIGHT AS FIRE ALARM HORN/STROBES.

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27 SECURE TO WALL.

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30 EXIT PUSH BUTTON.

31 FIRE ALARM ADDRESSIBLE INTERFACE MODULE FOR CONNECTION TO FIRE ALARM SYSTEM.

32 FOR DOOR SECURITY REQUIREMENTS, SEE SHEET E502.

33 ELECTRIC HINGE.

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35 "RCM" FOR DOORS #100, #101, #104, #109, #118 AND #121A SHALL BE CONNECTED TOGETHER WITH 1.00" CONDUIT AND MATRIX LOOP CABLE PROVIDED FOR ONE LOOP. CONNECT (AS REQUIRED) TO MATRIX MX RDP CONTROL PANEL. SEE KEYED NOTE #16 ON THIS SHEET AND WIRING DIAGRAM #C7 ON SHEET E502.

36 "RCM" FOR DOORS #122A, #128, #131, #132, #133 AND #133A SHALL BE CONNECTED TOGETHER WITH 1.00" CONDUIT AND MATRIX LOOP CABLE PROVIDED FOR ONE LOOP. CONNECT (AS REQUIRED) TO MATRIX MX RDP CONTROL PANEL. SEE KEYED NOTE #16 ON THIS SHEET AND WIRING DIAGRAM #C7 ON SHEET E502.

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39 NOT USED.

40 CONTRACTOR SHALL COORDINATE WITH FUEL FARM DRAWINGS FOR ADDITIONAL FIRE ALARM WORK.

41 DUCT MOUNTED SMOKE DETECTORS SHALL BE PROVIDED, INSTALLED AND LOCATED BY MECHANICAL CONTRACTOR. SEE GENERAL NOTE "I" ON SHEET E001.

AS BUILT INFORMATION
CONTRACTOR KL HOUSE DATE 10/06
WORK STOPPAGE'S KL HOUSE
ACCEPTANCE BY DATE
CERTIFICATION BY DATE
DRAWINGS RECORDED BY DATE
RECORDED BY

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

MICRO-FILM INFORMATION
DATE
RECORDED BY

ENGINEER'S SEAL

No.	Remarks	By	Date
	REVISIONS		
	DESIGN		7/09/04
	Designed By M. KIDDER		7/09/04
	Drawn By L. DOTSON		7/09/04
	Checked By D. ROMERO		

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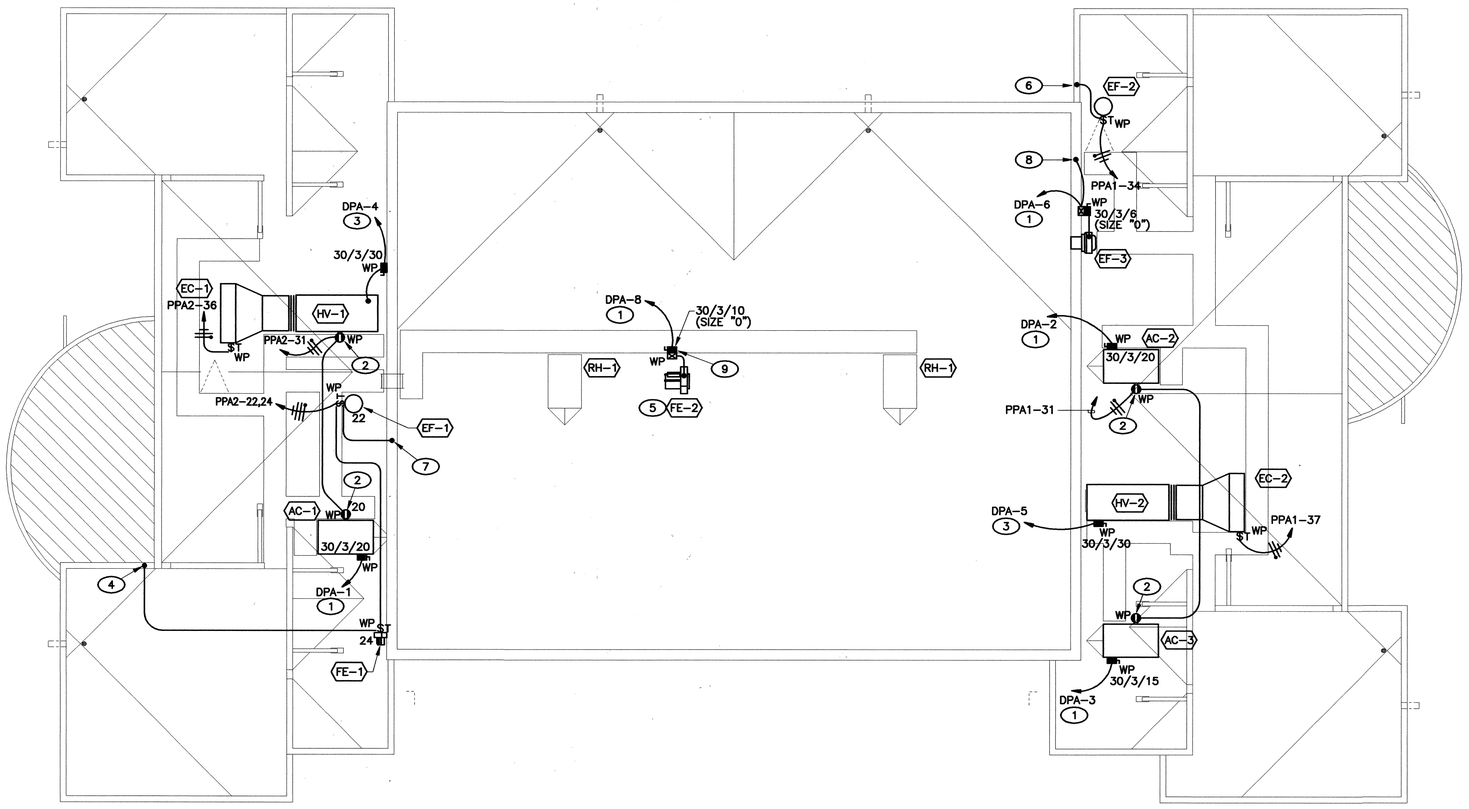
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ALBUQUERQUE, NM 87110
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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE:
SUNPORT JET-A FUEL FARM
FUELING OPERATIONS BUILDING
SPECIAL SYSTEMS PLAN

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

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	40	44	E103



KEYED NOTES

1. 3 #12, 1 #12 GND., .75"C.
2. MOUNT RECEPTACLE ON SIDE OF EQUIPMENT.
3. 3 #8, 1 #10 GND., .75"C.
4. DOWN TO ON/OFF SWITCH IN ROOM #129. SEE KEYED NOTE #33 ON SHEET E102.
5. FE-2 CONTROL SHALL BE BY START/STOP TRANSMITTERS PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. ALL REQUIRED WIRE, CONDUIT AND CONNECTIONS SHALL BE PROVIDED AND INSTALLED BY CONTROLS CONTRACTOR. (SEE SHEET M102.)
6. DOWN TO THREE-WAY SWITCH IN ROOM #105 FOR CONTROL OF EF-2. SEE KEYED NOTE #34 ON SHEET E102.
7. DOWN TO THREE-WAY SWITCH IN ROOM #125 FOR CONTROL OF EF-1. SEE KEYED NOTE #35 ON SHEET E102.
8. DOWN TO THERMAL SWITCH IN ROOM #120 FOR CONTROL OF EF-3. SEE KEYED NOTE #36 ON SHEET E102.
9. PROVIDE UNISTRUT SUPPORT.

C3	ELECTRICAL ROOF PLAN
1/8"=1'-0"	E104

0' 4' 8' 24'
GRAPHIC SCALE: 1/8"=1'-0"

AS BUILT INFORMATION
CONTRACTOR K.L. Howse DATE 10-04
WORK VERIFIED BY K.L. Howse
INSPECTOR'S ACCEPTANCE BY DATE
VERIFICATION BY DATE
CORRECTIONS RECORDED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
DANIEL M. ROMERO JR. NEW MEXICO 10004 REGISTERED PROFESSIONAL ENGINEER
5/7/04

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No.	Remarks	By	Date
1	11/17/04 Building Permit/Revised Comments	PMH	4/28/04

REVISIONS
DESIGN
Designed By M. KIDDER Date 4/28/04
Drawn By L. DOTSON Date 4/28/04
Checked By D. ROMERO Date 4/28/04

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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

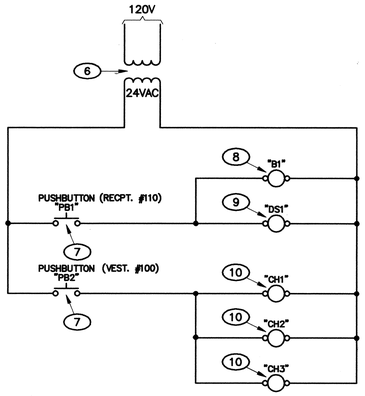
TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
ELECTRICAL ROOF PLAN

Design Review Committee
APPROVED JUL - 9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL - 9 2004 CITY ENGINEER

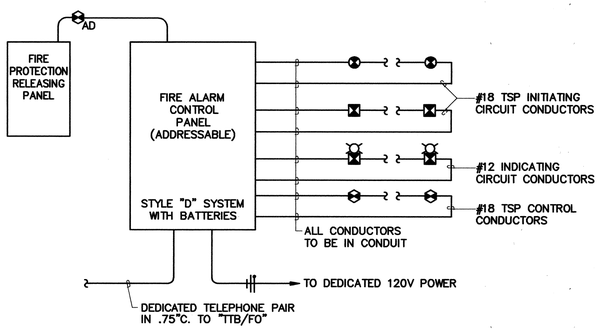
Last Design Update

No./Day/Yr.	No./Day/Yr.

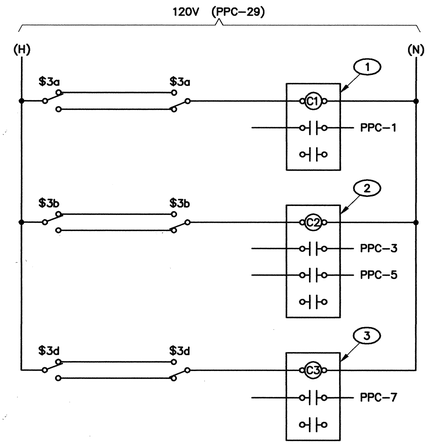
City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	41	44	E104



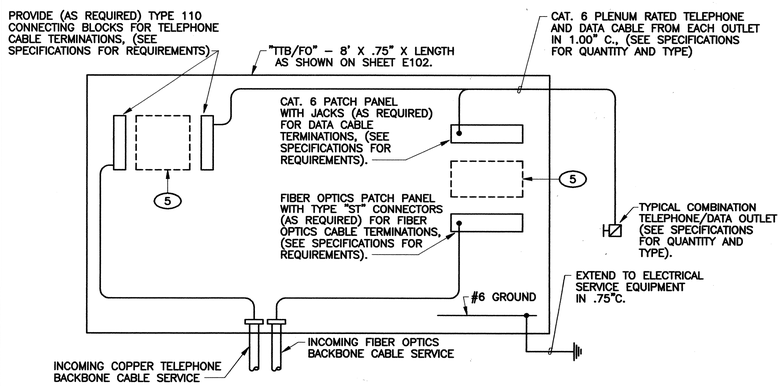
K1	DOOR STRIKE, BUZZER AND CHIME WIRING DETAIL (11)
NONE	E501



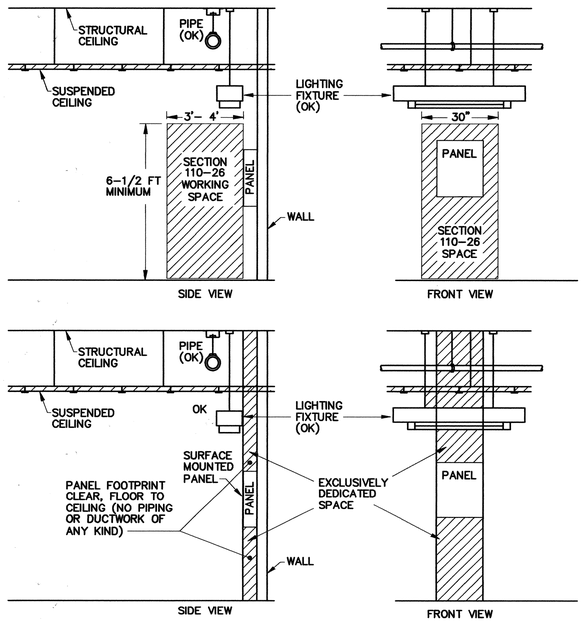
F1	FIRE ALARM RISER DIAGRAM DETAIL (4)
NONE	E501



H7	LIGHTING CONTROL WIRING DIAGRAM
NONE	E501



A1	TELEPHONE/DATA RISER DIAGRAM DETAIL (4)
NONE	E501



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

A7	POWER PANEL CLEARANCE DETAIL
NONE	E501

KEYED NOTES

1 CONTACTOR "C1", 60A 2P ELECTRICALLY HELD LIGHTING CONTACTOR WITH A 120V COIL IN A NEMA 1 ENCLOSURE, SQUARE D #SPG1V02 OR APPROVED EQUAL.

2 CONTACTOR "C2", 30A 3P ELECTRICALLY HELD LIGHTING CONTACTOR WITH A 120V COIL IN A NEMA 1 ENCLOSURE, SQUARE D #SMG2V02 OR APPROVED EQUAL.

3 CONTACTOR "C3", 30A 2P ELECTRICALLY HELD LIGHTING CONTACTOR WITH A 120V COIL IN A NEMA 1 ENCLOSURE, SQUARE D #SMG1V02 OR APPROVED EQUAL.

4 RISER DIAGRAM DETAILS DENOTES TYPICAL CONNECTIONS ONLY AND NOT ALL DEVICES ARE SHOWN.

5 HUBS, SWITCHES AND ASSOCIATED EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY OWNER.

6 CONTROL TRANSFORMER "CT1". 100VA, 120/24VAC, EDWARDS SIGNALING #88–100 OR APPROVED EQUAL. SEE KEYED NOTE #19 ON SHEET E103.

7 PUSH BUTTON "PB1" AND "PB2", EDWARDS SIGNALING #691–W WITH STAINLESS STEEL PLATE #147–1 OR APPROVED EQUAL. SEE KEYED NOTES #22 AND #23 ON SHEET E103.

8 BUZZER "B1", EDWARDS SIGNALING #340A–G5 OR APPROVED EQUAL. SEE KEYED NOTE #24 ON SHEET E103.

9 ELECTRIC DOOR STRIKE OPENER "DS1". SEE KEYED NOTE #21 ON SHEET E103.

10 CHIME, EDWARDS SIGNALING #338–G5 OR APPROVED EQUAL. SEE KEYED NOTE #25 ON SHEET E103.

11 ALL EQUIPMENT SHOWN SHALL BE PROVIDED AND INSTALLED UNDER THIS CONTRACT.

AS BUILT INFORMATION
CONTRACTOR K.L. Howse DATE 10-04
WORK PERFORMED BY K.L. Howse
INSPECTORS ACCEPTANCE BY DATE
VERIFICATION BY DATE
CORRECTED BY DATE
RECORDED BY DATE

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APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
DANIEL M. ROMERO JR. NEW MEXICO 10084 REGISTERED PROFESSIONAL ENGINEER 5-17-04

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No.	Remarks	Date	By
1	1/17/04 Building Permit Review Comments	4/28/04	L. DOTSON

REVISIONS
DESIGN Date 4/28/04
Designed By M. KIDDER
Drawn By L. DOTSON
Checked By D. ROMERO

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
ELECTRICAL DETAILS

Design Review Committee
APPROVED JUL -9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL -9 2004 CITY ENGINEER

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

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	42	44	E501

DOOR SECURITY REQUIREMENTS (MATRIX MX ACCESS SYSTEM)

DOOR NUMBER	RCM	CARD READER	EXIT PUSH BUTTON	ELECTRIC STRIKE	DOOR CONTACT	FIRE ALARM MODULE	ELECTRIC HINGE	FUNCTION	REMARKS
100	X	X	X	X	X			FAIL SAFE	PROVIDE ROUGH-IN ONLY (2)
101	X	X	X	X	X			FAIL SAFE	PROVIDE ROUGH-IN ONLY (2)
104	X	X	X	X	X	X		FAIL SECURE (3)	PROVIDE ROUGH-IN ONLY (2)
109	X	X	X	X	X	X		FAIL SECURE (3)	
118	X	X		X	X	X		FAIL SECURE (3)	
121A	X	X	X	X	X	X		FAIL SECURE (3)	PROVIDE ROUGH-IN ONLY (2)
122A	X	X	X	X	X	X		FAIL SECURE (3)	PROVIDE ROUGH-IN ONLY (2)
128	X	X	X	X	X	X		FAIL SECURE (3)	PROVIDE ROUGH-IN ONLY (2)
131	X	X	X	X	X			FAIL SAFE	
132	X	X	X	X	X		X	FAIL SECURE (3)	
133	X	X	X	X	X		X	FAIL SECURE (3)	
133A	X	X		X	X		X	FAIL SECURE (3)	

EQUIPMENT REQUIRED

RDP CONTROL PANEL – TO HAVE COMMUNICATION CARD, ALARM CARD, I/O RELAY CARD AND BE FIBER OPTIC CAPABLE, MATRIX MX PART NUMBER 01-61604.

RCM RELAY CONTROL MODULE – MATRIX MX PART NUMBER 01-13561.

MX CARD READER – MATRIX MX PART NUMBER 0112015C.

MX CARD READER HOOD – MATRIX MX PART NUMBER 34-13615.

MATRIX LOOP CABLE MS-277 POWER – MATRIX MX PART NUMBER 53-12010.

EXIT PUSH BUTTON – 2" DIAMETER, RED-MOM-DPDT-S/G WITH LIGHT, SECURITRON PART NUMBER PB5.

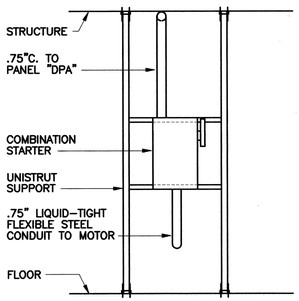
DOOR CONTACT – 3/4" STEEL, NORMALLY CLOSED, SENTROL PART NUMBER 1078C.

KEYED NOTES

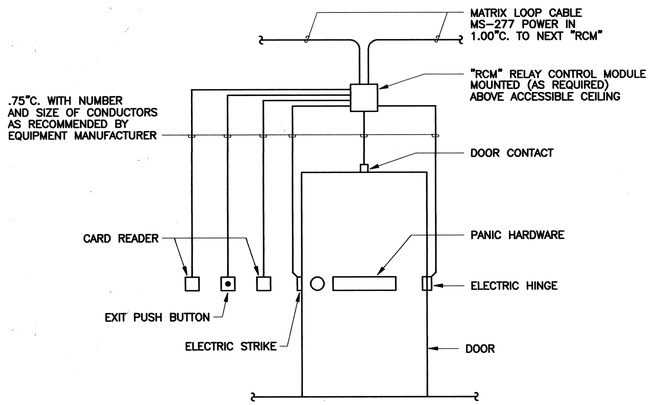
1 SEE SHEET E103 FOR DEVICE QUANTITIES AND LOCATIONS.

2 ROUGH-IN WILL INCLUDE JUNCTION BOXES AND CONDUIT ONLY. NO DEVICES. MATRIX LOOP CABLE SHALL EXTEND THRU ROUGH-IN BOX. COIL ACCESS CABLE FOR FUTURE CONNECTION.

3 FAIL SECURE DOOR STRIKE SHALL BE CONNECTED (AS REQUIRED) TO FIRE ALARM SYSTEM FOR AUTOMATIC RELEASE UPON FIRE ALARM ACTIVATION. PROVIDE ADDRESSABLE INTERFACE MODULE.



C1	COMBINATION STARTER UNISTRUT SUPPORT DETAIL
NONE	E502



C7	TYPICAL DOOR DEVICE WIRING DIAGRAM (1)
NONE	E502

AS BUILT INFORMATION
CONTRACTOR KL Houser DATE 10-04
STAKED BY KL Houser DATE
INSPECTED BY DATE
FIELD STAKED BY DATE
VERIFICATION BY DATE
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MICRO-FILM INFORMATION
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APPROX. S 10° E, 1180 FT. FROM THE
INTERSECTION OF EXISTING ACCESS ROAD "B"
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SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

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No.	Remarks	By	Date
1	1/7/04 Building Permit Review Comments	DMR	4/28/04

REVISIONS
DESIGN Date 4/28/04
Designed By M. KIDDER
Drawn By L. DOTSON
Checked By D. ROMERO

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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
DOOR SECURITY REQUIREMENTS

Design Review Committee APPROVED JUL - 9 2004 DESIGN REVIEW COMMITTEE
APPROVED JUL - 9 2004 CITY ENGINEER

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

City Project No. 5922-13 | Zone Map No. N15 | Sheet 43 Of 44 | Dwg. E502

PANEL **PPA2** (SECTION #1)
DESCRIPTION: Description / Sub-Feed — 208/120V, 3PH, 4W, 400 AMP MAIN CIRCUIT BREAKER, 22,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR, FEED-THRU LUGS
NOTES: 1. PROVIDE GFCI CIRCUIT BREAKER.

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
1		LIGHTING	20A/1P	1226	2826			1600	20A/1P	MICROWAVE OVEN		2
3		LIGHTING	20A/1P	1200		2200		1000	20A/1P	COFFEE MAKER		4
5		LIGHTING	20A/1P	1475			2275	800	20A/1P	REFRIGERATOR		6
7		RECEPTACLES	20A/1P	1080	2280			1200	20A/1P	RECEPTACLES		8
9		RECEPTACLES	20A/1P	900		2200		1300	20A/1P	RECEPTACLES, F/SD		10
11		RECEPTACLES	20A/1P	900			2160	1260	20A/1P	RECEPTACLES		12
13		RECEPTACLES	20A/1P	1260	2360			1100	20A/1P	RCPTS., FUME HOOD LTG. (1)		14
15		RECEPTACLES	20A/1P	1200		2800		1600	20A/1P	COPY MACHINE		16
17		RECEPTACLES	20A/1P	1200			1200		20A/1P	SPARE		18
19		SURFACE RACEWAY	20A/1P	1600	2500			900	20A/1P	RECEPTACLES		20
21		SURFACE RACEWAY	20A/1P	1600		2267		667	20A/1P	EF-1 (ON ROOF)		22
23		SURFACE RACEWAY	20A/1P	1600			2428	828	20A/1P	FUME HOOD EXH. FAN FE-1		24
25		FACP	20A/1P	1000	1000				20A/1P	SPARE		26
27		"TTB/FO" RECEPTACLES	20A/1P	1000		2000		1000	20A/1P	WATER HEATER WH-1 CONTROL		28
29		"TTB/FO" RECEPTACLES	20A/1P	1000			1600	600	20A/1P	EWC		30
31		RECEPTACLES (ON ROOF)	20A/1P	360	360				20A/1P	SPARE		32
33		SPARE	20A/1P			0			20A/1P	SPARE		34
35		RECEPTACLES	20A/1P	540			667	127	20A/1P	EC-1 (ON ROOF)		36
37		Panel 'PPA1'	225A/3P	13897	13897					UNUSEABLE SPACE		38
39		***	***	12157		12157				UNUSEABLE SPACE		40
41		***	***	14320			14320			UNUSEABLE SPACE		42
		Feed-Thru			0	0	0	(Panel 'PPA2(2)' (SECTION #2))				
					25223	23624	24650					
		Total KVA		73.5	208V		204 Amps					

Softec Systems, Panel_Ez v1.1e

PANEL **PPA2** (SECTION #2)
DESCRIPTION: Description / Sub-Feed — 208/120V, 3PH, 4W, 400 AMP MAIN LUGS ONLY, 22,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
43		SPARE	20A/1P		0				20A/1P	SPARE		44
45		SPARE	20A/1P			0			20A/1P	SPARE		46
47		SPARE	20A/1P				0		20A/1P	SPARE		48
49		SPARE	20A/1P		0				20A/1P	SPARE		50
51		SPARE	20A/1P			0			20A/1P	SPARE		52
53		SPARE	20A/1P				0		20A/1P	SPARE		54
55		SPARE	20A/1P		0				20A/1P	SPARE		56
57		SPARE	20A/1P			0			20A/1P	SPARE		58
59		SPARE	20A/1P				0		20A/1P	SPARE		60
61		SPACE ONLY			0					SPACE ONLY		62
63		SPACE ONLY				0				SPACE ONLY		64
65		SPACE ONLY					0			SPACE ONLY		66
67		SPACE ONLY			0					SPACE ONLY		68
69		SPACE ONLY				0				SPACE ONLY		70
71		SPACE ONLY					0			SPACE ONLY		72
73		SPACE ONLY			0					SPACE ONLY		74
75		SPACE ONLY				0				SPACE ONLY		76
77		SPACE ONLY					0			SPACE ONLY		78
79		SPACE ONLY			0					SPACE ONLY		80
81		SPACE ONLY				0				SPACE ONLY		82
83		SPACE ONLY					0			SPACE ONLY		84
		Feed-Thru		0	0	0						
		Total KVA		0.0	208V		0 Amps					

Softec Systems, Panel_Ez v1.1e

PANEL **PPC**
DESCRIPTION: Description / Sub-Feed — 240/120V, 1PH, 3W, 300 AMP MAIN CIRCUIT BREAKER, 10,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B		LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
1		LIGHTING	35A/1P	2970	4570			1600	20A/1P	RECEPTACLES		2
3		LIGHTING	30A/1P	2430		4030		1600	20A/1P	RECEPTACLES		4
5		LIGHTING	30A/1P	1890	3490			1600	20A/1P	RECEPTACLES		6
7		LIGHTING	30A/1P	2430		4030		1600	20A/1P	RECEPTACLES		8
9		LIGHTING, F/SD	20A/1P	500	2100			1600	20A/1P	RECEPTACLES		10
11		LIGHTING	20A/1P	1620		3220		1600	20A/1P	RECEPTACLES		12
13		RELOCATED WELDER	50A/2P	4200	5000			800	20A/1P	RECEPTACLES		14
15		***	***	4200		5800		1600	20A/1P	RECEPTACLES		16
17		FE-2 CONTROL PANEL	20A/1P	1000	2600			1600	20A/1P	RECEPTACLES		18
19		RECEPTACLES	20A/1P	1600		3200		1600	20A/1P	RECEPTACLES		20
21		BENCH GRINDER	20A/1P	1600	3200			1600	20A/1P	RECEPTACLES		22
23		DRILL PRESS	20A/1P	1600		2188		588	20A/2P	MOTORIZED DOOR		24
25		MOTORIZED DOOR	20A/2P	588	1176			588	***	***		26
27		***	***	588		1176		588	20A/2P	MOTORIZED DOOR		28
29		LIGHTING, C1, C2, C3 COILS	20A/1P	1380	1968			588	***	***		30
31		SPARE	20A/1P			1000		1000	20A/1P	BUILDING SIGN LIGHTING		32
33		SPACE ONLY			1080			1080	20A/1P	RECEPTACLES		34
35		SPACE ONLY				0				SPACE ONLY		36
37		SPACE ONLY			0					SPACE ONLY		38
39		SPACE ONLY				0				SPACE ONLY		40
		Feed-Thru			25184	24644						
		Total KVA		49.8	240V		208 Amps					

Softec Systems, Panel_Ez v1.1e

PANEL **DPA**
DESCRIPTION: Description / Sub-Feed — 480/277V, 3PH, 4W, 225 AMP MAIN LUGS ONLY, 65,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
				3324	6648			3324				
1		AC-1 (ON ROOF)	20A/3P	3324		6648		3324	20A/3P	AC-2 (ON ROOF)		2
				3324			6648	3324				
				2244	7821			5577				
3		AC-3 (ON ROOF)	20A/3P	2244		7821		5577	35A/3P	HV-1 (ON ROOF)		4
				2244			7821	5577				
				5577	6374			797				
5		HV-2 (ON ROOF)	35A/3P	5577		6374		797	20A/3P	EF-3 (ON ROOF)		6
				5577			6374	797				
				2019	4038			2019				
7		AIR COMPRESSOR	20A/3P	2019		4038		2019	20A/3P	FE-2 (ON ROOF)		8
		(EXISTING/RELOCATED)		2019			4038	2019				
				3718	7436			3718				
9		FUTURE BRIDGE CRANE		3718		7436		3718		FUTURE BRIDGE CRANE		10
		(ROOMS #121 & #122)		3718			7436	3718		(ROOM #119)		
					0							
11		SPACE ONLY				0				SPACE ONLY		12
							0					
					0							
13		SPACE ONLY				0				SPACE ONLY		14
							0					
		Feed-Thru		32317	32317	32317						
		Total KVA		97.0	480V		117 Amps					

Softec Systems, Panel_Ez v1.1e

PANEL **PPA1** (SECTION #1)
DESCRIPTION: Description / Sub-Feed — 208/120V, 3PH, 4W, 225 AMP MAIN LUGS ONLY, 22,000 AIC, FLUSH MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR, FEED-THRU LUGS

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
1		LIGHTING	20A/1P	1403	2483			1080	20A/1P	RECEPTACLES		2
3		LIGHTING	20A/1P	1590		2590		1000	20A/1P	COFFEE MAKER		4
5		LIGHTING	20A/1P	1500			3100	1600	20A/1P	MICROWAVE OVEN		6
7		VENDING MACHINE	20A/1P	1600	2600			1000	20A/1P	REFRIGERATOR		8
9		VENDING MACHINE	20A/1P	1600		2500		900	20A/1P	RECEPTACLES		10
11		VENDING MACHINE	20A/1P	1600			2800	1200	20A/1P	RECEPTACLES		12
13		RECEPTACLES	20A/1P	1200	2100			900	20A/1P	RECEPTACLES		14
15		RECEPTACLES	20A/1P	1200		2400		1200	20A/1P	RECEPTACLES		16
17		RECEPTACLES	20A/1P	1260			2460	1200	20A/1P	RECEPTACLES		18
19		COPY MACHINE	20A/1P	1600	2800			1200	20A/1P	RECEPTACLES		20
21		SPARE	20A/1P			1080		1080	20A/1P	RECEPTACLES		22
23		RECEPTACLES	20A/1P	1260			2460	1200	20A/1P	RECEPTACLES		24
25		RECEPTACLES	20A/1P	1260	1927			667	20A/1P	COILING COUNTER GRILL		26
27		RECEPTACLES	20A/1P	1200		2020		820	20A/1P	RECEPTACLES, CT1		28
29		SPARE	20A/1P				1500	1500	20A/2P	WATER HEATER WH-2		30
31		RECEPTACLES (ON ROOF)	20A/1P	360	1860			1500	***	***		32
33		SPARE	20A/1P			667		667	20A/1P	EF-2 (ON ROOF)		34
35		SPARE	20A/1P				1000	1000	20A/1P	MATRIX MX RDP CONTROL PANEL		36
37		EC-2 (ON ROOF)	20A/1P	127	127				20A/1P	SPARE		38
39		SPARE	20A/1P			900		900	20A/1P	RECEPTACLES		40
41		SPARE	20A/1P				1000	1000	20A/1P	PARKING LOT SIGN LIGHTING		42
		Feed-Thru		0	0		0	(Panel 'PPA1(2)' (SECTION #2))				
				13897	12157		14320					
		Total KVA		40.4	208V		112 Amps					

Softec Systems, Panel_Ez v1.1e

PANEL **PPA1** (SECTION #2)
DESCRIPTION: Description / Sub-Feed — 208/120V, 3PH, 4W, 225 AMP MAIN LUGS ONLY, 22,000 AIC, FLUSH MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
43		SPARE	20A/1P		0				20A/1P	SPARE		44
45		SPARE	20A/1P			0			20A/1P	SPARE		46
47		SPARE	20A/1P				0		20A/1P	SPARE		48
49		SPARE	20A/1P		0				20A/1P	SPARE		50
51		SPARE	20A/1P			0			20A/1P	SPARE		52
53		SPARE	20A/1P				0		20A/1P	SPARE		54
55		SPARE	20A/1P		0				20A/1P	SPARE		56
57		SPARE	20A/1P			0			20A/1P	SPARE		58
59		SPARE	20A/1P				0		20A/1P	SPARE		60
61		SPACE ONLY			0					SPACE ONLY		62
63		SPACE ONLY				0				SPACE ONLY		64
65		SPACE ONLY					0			SPACE ONLY		66
67		SPACE ONLY			0					SPACE ONLY		68
69		SPACE ONLY				0				SPACE ONLY		70
71		SPACE ONLY					0			SPACE ONLY		72
73		SPACE ONLY			0					SPACE ONLY		74
75		SPACE ONLY				0				SPACE ONLY		76
77		SPACE ONLY					0			SPACE ONLY		78
79		SPACE ONLY			0					SPACE ONLY		80
81		SPACE ONLY				0				SPACE ONLY		82
83		SPACE ONLY					0			SPACE ONLY		84
		Feed-Thru		0	0	0						
		Total KVA		0.0	208V		0 Amps					

Softec Systems, Panel_Ez v1.1e

ENERGY CODE ANALYSIS

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

INTERIOR LIGHTING LOAD ---- 20,100 W/10,500 SQ. FT. = 1.9 W/SQ.FT.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	MOUNTING
A	FLUORESCENT 2X4 4L PARABOLIC (18-CELL) TROFFER, LITHONIA #2PM3N-G-B-432-18LD-120-GEB10RS	4/F32T8 SP35/RS	LAY-IN
A1	FLUORESCENT 2 X 4 3L PARABOLIC (18-CELL) TROFFER, LITHONIA #2PM3N-G-B-332-18LD-120-GEB10RS	3/F32T8 SP35/RS	LAY-IN
B	FLUORESCENT 2 X 4 3L TROFFER, LITHONIA #2SP8-G-332-A12125-120-GEB10RS	3/F32T8 SP35/RS	LAY-IN
C	FLUORESCENT 2 X 4 2L TROFFER, LITHONIA #2SP8-G-232-A12125-120-GEB10RS	2/F32T8 SP35/RS	LAY-IN
D	FLUORESCENT 2 X 2 2L TROFFER, LITHONIA #2SP8-G-217-A12125-120-GEB10RS	2/F17T8 SP35/RS	LAY-IN
E	FLUORESCENT 4' 4L HO INDUSTRIAL STRIP, WILLIAMS #82-4-448-HO-GLR-WG-8211-1/4L-120 (NOTE #1, #3)	4/F48T12/HO SP35/RS (800ma)	(NOTE #4)
F	FLUORESCENT 4' 2L STRIP, LITHONIA #C-232-120-GEB10RS-WGCUN (NOTE #1)	2/F32T8 SP35/RS	SURFACE
G	FLUORESCENT 4' 2L MIRROR LIGHT, LIGHTOLIER #LWB240WB-120SO	2/F32T8 SP35/RS	MOUNTED DIRECTLY ABOVE MIRROR
H	FLUORESCENT 2' 2L MIRROR LIGHT, LIGHTOLIER #LWB220WB-120SO	2/F17T8 SP35/RS	MOUNTED DIRECTLY ABOVE MIRROR
K	COMPACT FLUWET LOCATION DOWNLIGHT, GOTHAM #LGF-2#30DTT-7SB-T73-120-GEB10RS	2/13DTT	RECESSED
M	HID WALL PACK, LSI #CWX-FT-70HPS-F-120V-BRZ-PCI120V	1/70W HPS	MTD. +9'-0" UNLESS NOTED OTHERWISE
N	FLUORESCENT 4' 1L UNDERCABINET FIXTURE, LITHONIA #2UC-132-120-GEB10RS	1/F32T8 SP35/RS	UNDERCABINET
P	FLUORESCENT 4L EXPLOSIONPROOF, RATED FOR CLASS 1, DIVISION 1 HAZARDOUS LOCATIONS, CROUSE-HINDS #EVF24022	4/F32T8 SP35/RS	PENDENT MOUNTED ON 6" STEMS
X	EXIT LIGHT, LITHONIA #LE-S-1/2-R-120/277 (NOTE #2)	LED	UNIVERSAL
X1	SELF-CONTAINED VANDAL-RESISTANT EXIT LIGHT, LITHONIA #LE-S-1/2-R-120/277-ELNSD-VR (NOTE #2)	LED	UNIVERSAL
EM	EMERGENCY LIGHTING UNIT, LITHONIA #ELM4SD-ELAWG4/8 (NOTE #1)	W/UNIT	MOUNTED +9'-0" AFF
EM1	EMERGENCY LIGHTING UNIT, LITHONIA #ELM4SD	W/UNIT	MOUNTED 12" BELOW CEILING TO CENTER
	NOTES:		
	1. PROVIDE WIRE GUARD.		
	2. PROVIDE FACES AND ARROWS AS SHOWN ON PLANS.		
	3. PROVIDE BALLAST FUSING FOR EACH FIXTURE.		
	4. PENDENT MOUNT FIXTURE FROM BOTTOM OF ROOF DECK WITH BOTTOM OF FIXTURE AT BOTTOM OF JOIST.		

DELETED

AS BUILT INFORMATION
BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE INTERSECTION OF EXISTING ACCESS ROAD "B" AND CLARK CARR BLVD; AND APPROX. 100 FT. SSE OF A CHAIN LINK GATE ALIGNED EAST TO WEST. ELEV. = 5308.73
CONTRACTOR KL House DATE 10-04
WORK STAKED BY KL House DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

ENGINEER'S SEAL
DANIEL M. ROMERO Jr. NEW MEXICO 10021 REGISTERED PROFESSIONAL ENGINEER

No.	By	Remarks	Date
1	DMR	Building Permit / Review Comments	4/28/04

REVISIONS
DESIGN Date 4/28/04
Designed By M. KIDDER
Drawn By L. DOTSON Date 4/28/04
Checked By D. ROMERO Date 4/28/04

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(505) 855-7500

CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE:
SUNPORT JET-A FUEL FARM FUELING OPERATIONS BUILDING SCHEDULES AND ENERGY CODE ANALYSIS

Design Review Committee
APPROVED — DESIGN REVIEW COMMITTEE
APPROVED — CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of	Dwg.
5922-13	N15	44	44	E601

PANEL **PPA2** (SECTION #1)

DESCRIPTION: Description / Sub-Feed — 208/120V, 3PH, 4W, 400 AMP MAIN CIRCUIT BREAKER, 22,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR, FEED-THRU LUGS

NOTES: 1. PROVIDE GFCI CIRCUIT BREAKER.

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
1		LIGHTING	20A/1P	1226	2826			1600	20A/1P	MICROWAVE OVEN		2
3		LIGHTING	20A/1P	1200		2200		1000	20A/1P	COFFEE MAKER		4
5		LIGHTING	20A/1P	1475			2275	800	20A/1P	REFRIGERATOR		6
7		RECEPTACLES	20A/1P	1080	2280			1200	20A/1P	RECEPTACLES		8
9		RECEPTACLES	20A/1P	900		2200		1300	20A/1P	RECEPTACLES, F/SD		10
11		RECEPTACLES	20A/1P	900			2160	1260	20A/1P	RECEPTACLES		12
13		SPARE	20A/1P	1260	2360			1100	20A/1P	RCPTS., FUME HOOD LTG. (1)		14
15		SPARE	20A/1P	1200		2800		1600	20A/1P	COPY MACHINE		16
17		SPARE	20A/1P	1200			1200		20A/1P	SPARE		18
19		SURFACE RACEWAY	20A/1P	1600	2500			900	20A/1P	RECEPTACLES		20
21		SURFACE RACEWAY	20A/1P	1600		2267		667	20A/1P	EF-1 (ON ROOF)		22
23		SURFACE RACEWAY	20A/1P	1600			2428	828	20A/1P	FUME HOOD EXH. FAN FE-1		24
25		FACP	20A/1P	1000	1000				20A/1P	SPARE		26
27		"TTB/FO" RECEPTACLES	20A/1P	1000		2000		1000	20A/1P	WATER HEATER WH-1 CONTROL		28
29		"TTB/FO" RECEPTACLES	20A/1P	1000			1600	600	20A/1P	EWC		30
31		RECEPTACLES (ON ROOF)	20A/1P	360	360				20A/1P	SPARE		32
33		SPARE	20A/1P			0			20A/1P	RECEPTACLES		34
35		SPARE	20A/1P	540			667	127	20A/1P	EC-1 (ON ROOF)		36
37		Panel 'PPA1'	225A/3P	13897	13897					UNUSEABLE SPACE		38
39		***	***	12157		12157				UNUSEABLE SPACE		40
41		***	***	14320			14320			UNUSEABLE SPACE		42
		Feed-Thru		0	0	0	0			(Panel 'PPA2(2)' (SECTION #2))		
				25223	23624	24650						
		Total KVA	73.5	208V	204	Amps						

Softec Systems, Panel_Ez v1.1a

PANEL **PPA2** (SECTION #2)

DESCRIPTION: Description / Sub-Feed — 208/120V, 3PH, 4W, 400 AMP MAIN LUGS ONLY, 22,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
43		SPARE	20A/1P		0				20A/1P	SPARE		44
45		SPARE	20A/1P			0			20A/1P	SPARE		46
47		SPARE	20A/1P				0		20A/1P	SPARE		48
49		SPARE	20A/1P		0				20A/1P	SPARE		50
51		SPARE	20A/1P			0			20A/1P	SPARE		52
53		SPARE	20A/1P				0		20A/1P	SPARE		54
55		SPARE	20A/1P		0				20A/1P	SPARE		56
57		SPARE	20A/1P			0			20A/1P	SPARE		58
59		SPARE	20A/1P				0		20A/1P	SPARE		60
61		SPACE ONLY			0					SPACE ONLY		62
63		SPACE ONLY				0				SPACE ONLY		64
65		SPACE ONLY					0			SPACE ONLY		66
67		SPACE ONLY			0					SPACE ONLY		68
69		SPACE ONLY				0				SPACE ONLY		70
71		SPACE ONLY					0			SPACE ONLY		72
73		SPACE ONLY			0					SPACE ONLY		74
75		SPACE ONLY				0				SPACE ONLY		76
77		SPACE ONLY					0			SPACE ONLY		78
79		SPACE ONLY			0					SPACE ONLY		80
81		SPACE ONLY				0				SPACE ONLY		82
83		SPACE ONLY					0			SPACE ONLY		84
		Feed-Thru		0	0	0						
		Total KVA	0.0	208V	0	Amps						

Softec Systems, Panel_Ez v1.1a

PANEL **PPC**

DESCRIPTION: Description / Sub-Feed — 240/120V, 1PH, 3W, 300 AMP MAIN CIRCUIT BREAKER, 10,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B		LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
1		LIGHTING	35A/1P	2970	4570			1600	20A/1P	RECEPTACLES		2
3		LIGHTING	30A/1P	2430		4030		1600	20A/1P	RECEPTACLES		4
5		LIGHTING	30A/1P	1890	3490			1600	20A/1P	RECEPTACLES		6
7		LIGHTING	30A/1P	2430		4030		1600	20A/1P	RECEPTACLES		8
9		LIGHTING, F/SD	20A/1P	500	2100			1600	20A/1P	RECEPTACLES		10
11		LIGHTING	20A/1P	1620		3220		1600	20A/1P	RECEPTACLES		12
13		RELOCATED WELDER	50A/2P	4200	5000			800	20A/1P	RECEPTACLES		14
15		***	***	4200		5800		1600	20A/1P	RECEPTACLES		16
17		FE-2 CONTROL PANEL	20A/1P	1000	2600			1600	20A/1P	RECEPTACLES		18
19		RECEPTACLES	20A/1P	1600		3200		1600	20A/1P	RECEPTACLES		20
21		BENCH GRINDER	20A/1P	1600	3200			1600	20A/1P	RECEPTACLES		22
23		DRILL PRESS	20A/1P	1600		2188		588	20A/1P	MOTORIZED DOOR		24
25		MOTORIZED DOOR	20A/2P	588	1176			588	20A/1P	EF-3 CONTRACTOR		26
27		***	***	588		1176		588	20A/2P	MOTORIZED DOOR		28
29		LIGHTING, C1, C2, C3 COILS	20A/1P	1380	1968			588	~~10~~ 20A/1P	SMOKE DETECTOR HALL 123		30
31		HIGH BAY NITE LITE	20A/1P			1000		1000	20A/1P	BUILDING SIGN LIGHTING		32
33		SPACE ONLY			1080			1080	20A/1P	RECEPTACLES		34
35		SPACE ONLY				0			20A/1P	SMOKE DETECTOR HIGH BAY		36
37		SPACE ONLY			0					SPACE ONLY		38
39		SPACE ONLY				0				SPACE ONLY		40
		Feed-Thru			25184	24644						
		Total KVA			49.8	240V	208	Amps				

Softec Systems, Panel_Ez v1.1a

PANEL **DPA**

DESCRIPTION: Description / Sub-Feed — 480/277V, 3PH, 4W, 225 AMP MAIN LUGS ONLY, 65,000 AIC, SURFACE MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
				3324	6648			3324				
1		AC-1 (ON ROOF)	20A/3P	3324		6648		3324	20A/3P	AC-2 (ON ROOF)		2
				3324			6648	3324				
				2244	7821			5577				
3		AC-3 (ON ROOF)	20A/3P	2244		7821		5577	35A/3P	HV-1 (ON ROOF)		4
				2244			7821	5577				
				5577	6374			797				
5		HV-2 (ON ROOF)	35A/3P	5577		6374		797	20A/3P	EF-3 (ON ROOF)		6
				5577			6374	797				
				2019	4038			2019				
7		AIR COMPRESSOR (EXISTING/RELOCATED)	20A/3P	2019		4038		2019	20A/3P	FE-2 (ON ROOF)		8
				2019			4038	2019				
				3718	7436			3718				
9		SPACE ONLY		3718		7436		3718		SPACE ONLY		10
				3718			7436	3718				
					0							
11		SPACE ONLY				0				SPACE ONLY		12
							0					
					0							
13		SPACE ONLY				0				SPACE ONLY		14
							0					
		Feed-Thru		32317	32317	32317						
		Total KVA	97.0	480V	117	Amps						

Softec Systems, Panel_Ez v1.1a

PANEL **PPA1** (SECTION #1)

DESCRIPTION: Description / Sub-Feed — 208/120V, 3PH, 4W, 225 AMP MAIN LUGS ONLY, 22,000 AIC, FLUSH MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR, FEED-THRU LUGS

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
1		LIGHTING	20A/1P	1403	2483			1080	20A/1P	RECEPTACLES		2
3		LIGHTING	20A/1P	1590		2590		1000	20A/1P	COFFEE MAKER		4
5		LIGHTING	20A/1P	1500			3100	1600	20A/1P	MICROWAVE OVEN		6
7		VENDING MACHINE	20A/1P	1600	2600			1000	20A/1P	REFRIGERATOR		8
9		VENDING MACHINE	20A/1P	1600		2500		900	20A/1P	RECEPTACLES		10
11		VENDING MACHINE	20A/1P	1600			2800	1200	20A/1P	RECEPTACLES		12
13		RECEPTACLES	20A/1P	1200	2100			900	20A/1P	RECEPTACLES		14
15		RECEPTACLES	20A/1P	1200		2400		1200	20A/1P	RECEPTACLES		16
17		RECEPTACLES	20A/1P	1260			2460	1200	20A/1P	RECEPTACLES		18
19		COPY MACHINE	20A/1P	1600	2800			1200	20A/1P	RECEPTACLES		20
21		SPARE	20A/1P			1080		1080	20A/1P	RECEPTACLES		22
23		RECEPTACLES	20A/1P	1260			2460	1200	20A/1P	RECEPTACLES		24
25		RECEPTACLES	20A/1P	1260	1927			667	20A/1P	COILING COUNTER GRILL		26
27		RECEPTACLES	20A/1P	1200		2020		820	20A/1P	RECEPTACLES, CT1		28
29		SPARE	20A/1P				1500	1500	20A/2P	WATER HEATER WH-2		30
31		RECEPTACLES (ON ROOF)	20A/1P	360	1860			1500	***	***		32
33		SPARE	20A/1P			667		667	20A/1P	EF-2 (ON ROOF)		34
35		SPARE	20A/1P				1000	1000	20A/1P	MATRIX MX RDP CONTROL PANEL		36
37		EC-2 (ON ROOF)	20A/1P	127	127				20A/1P	SPARE		38
39		SMOKE DECETOR HALL 109	20A/1P			900		900	20A/1P	RECEPTACLES		40
41		SMOKE DETECTOR ROOM 114	20A/1P				1000	1000	20A/1P	PARKING LOT SIGN LIGHTING		42
		Feed-Thru		0	0	0						
				13897	12157	14320				(Panel 'PPA1(2)' (SECTION #2))		
		Total KVA	40.4	208V	112	Amps						

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PANEL **PPA1** (SECTION #2)

DESCRIPTION: Description / Sub-Feed — 208/120V, 3PH, 4W, 225 AMP MAIN LUGS ONLY, 22,000 AIC, FLUSH MOUNTED, DOOR-IN-DOOR, NEUTRAL BAR, GROUND BAR

CCT NO.	Load Code	LOAD DESCRIPTION	BKR SIZE	LOAD (VA)	PHASE A	PHASE B	PHASE C	LOAD (VA)	BKR SIZE	LOAD DESCRIPTION	Load Code	CCT NO
43		SPARE	20A/1P		0				20A/1P	SPARE		44
45		SPARE	20A/1P			0			20A/1P	SPARE		46
47		SPARE	20A/1P				0		20A/1P	SPARE		48
49		SPARE	20A/1P		0				20A/1P	SPARE		50
51		SPARE	20A/1P			0			20A/1P	SPARE		52
53		SPARE	20A/1P				0		20A/1P	SPARE		54
55		SPARE	20A/1P		0				20A/1P	SPARE		56
57		SPARE	20A/1P			0			20A/1P	SPARE		58
59		SPARE	20A/1P				0		20A/1P	SPARE		60
61		SPACE ONLY			0					SPACE ONLY		62
63		SPACE ONLY				0				SPACE ONLY		64
65		SPACE ONLY					0			SPACE ONLY		66
67		SPACE ONLY			0					SPACE ONLY		68
69		SPACE ONLY				0				SPACE ONLY		70
71		SPACE ONLY					0			SPACE ONLY		72
73		SPACE ONLY			0					SPACE ONLY		74
75		SPACE ONLY				0				SPACE ONLY		76
77		SPACE ONLY					0			SPACE ONLY		78
79		SPACE ONLY			0					SPACE ONLY		80
81		SPACE ONLY				0				SPACE ONLY		82
83		SPACE ONLY					0			SPACE ONLY		84
		Feed-Thru		0	0	0						
		Total KVA	0.0	208V	0	Amps						

Softec Systems, Panel_Ez v1.1a

ENERGY CODE ANALYSIS

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

INTERIOR LIGHTING LOAD ---- 20,100 W/10,500 SQ. FT. = 1.9 W/SQ.FT.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	MOUNTING
A	FLUORESCENT 2X4 4L PARABOLIC (18-CELL) TROFFER, LITHONIA #2PM3N-G-B-432-18LD-120-GEB10RS	4/F32T8 SP35/RS	LAY-IN
A1	FLUORESCENT 2 X 4 3L PARABOLIC (18-CELL) TROFFER, LITHONIA #2PM3N-G-B-332-18LD-120-GEB10RS	3/F32T8 SP35/RS	LAY-IN
B	FLUORESCENT 2 X 4 3L TROFFER, LITHONIA #2SP8-G-332-A12125-120-GEB10RS	3/F32T8 SP35/RS	LAY-IN
C	FLUORESCENT 2 X 4 2L TROFFER, LITHONIA #2SP8-G-232-A12125-120-GEB10RS	2/F32T8 SP35/RS	LAY-IN
D	FLUORESCENT 2 X 2 2L TROFFER, LITHONIA #2SP8-G-217-A12125-120-GEB10RS	2/F17T8 SP35/RS	LAY-IN
E	FLUORESCENT 4' 4L HO INDUSTRIAL STRIP, WILLIAMS #82-4-448-HO-GLR-WG-8211-1/4L-120 (NOTE #1, #3)	4/F48T12/HO SP35/RS (800ma)	(NOTE #4)
F	FLUORESCENT 4' 2L STRIP, LITHONIA #C-232-120-GEB10RS-WGCUN (NOTE #1)	2/F32T8 SP35/RS	SURFACE
G	FLUORESCENT 4' 2L MIRROR LIGHT, LIGHTOLIER #LWB240WB-120SO	2/F32T8 SP35/RS	MOUNTED DIRECTLY ABOVE MIRROR
H	FLUORESCENT 2' 2L MIRROR LIGHT, LIGHTOLIER #LWB220WB-120SO	2/F17T8 SP35/RS	MOUNTED DIRECTLY ABOVE MIRROR
K	COMPACT 7" WET LOCATION DOWNLIGHT, GOTHAM #LGF-2/13DTT-7SB-T73-120-GEB10RS	2/13DTT	RECESSED
M	HID WALL PACK, LSI #CHWS-FT-70HPS-F-120V-BRZ-PCI120V	1/70W HPS	MTD. +9'-0" UNLESS NOTED OTHERWISE
N	FLUORESCENT 4' 1L UNDERCABINET FIXTURE, LITHONIA #2UC-132-120-GEB10RS	1/F32T8 SP35/RS	UNDERCABINET
P	FLUORESCENT 4L EXPLOSIONPROOF, RATED FOR CLASS 1, DIVISION 1 HAZARDOUS LOCATIONS, CROUSE-HINDS #EVF24022	4/F32T8 SP35/RS	PENDENT MOUNTED ON 6" STEMS
X	EXIT LIGHT, LITHONIA #LE-S-1/2-R-120/277 (NOTE #2)	LED	UNIVERSAL
X1	SELF-CONTAINED VANDAL-RESISTANT EXIT LIGHT, LITHONIA #LE-S-1/2-R-120/277-ELNSD-VR (NOTE #2)	LED	UNIVERSAL
EM	EMERGENCY LIGHTING UNIT, LITHONIA #ELM4SD-ELAWG4/8 (NOTE #1)	W/UNIT	MOUNTED +9'-0" AFF
EM1	EMERGENCY LIGHTING UNIT, LITHONIA #ELM4SD	W/UNIT	MOUNTED 12" BELOW CEILING TO CENTER
	NOTES:		
	1. PROVIDE WIRE GUARD.		
	2. PROVIDE FACES AND ARROWS AS SHOWN ON PLANS.		
	3. PROVIDE BALLAST FUSING FOR EACH FIXTURE.		
	4. PENDENT MOUNT FIXTURE FROM BOTTOM OF ROOF DECK WITH BOTTOM OF FIXTURE AT BOTTOM OF JOIST.		

WARNING
THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

SURVEY INFORMATION
FIELD NOTES

No.	By	Date
2050	URS	8/02

BENCH MARKS
"1-N16 RESET", AN ACS ALUMINUM CAP
APPROX. S 10° E, 1180 FT. FROM THE
INTERSECTION OF EXISTING ACCESS ROAD "B"
AND CLARK CARR BLVD; AND APPROX. 100 FT.
SSE OF A CHAIN LINK GATE ALIGNED EAST TO
WEST. ELEV. = 5308.73

AS BUILT INFORMATION
CONTRACTOR KL HOUSE DATE 10/06
WORK STAKED BY KL HOUSE DATE
AS-BUILTED BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

ENGINEER'S SEAL

No.	Remarks	By	Date
	REVISIONS		
	DESIGN		7/09/04
	Designed By M. KIDDER		7/09/04
	Drawn By L. DOTSON		7/09/04
	Checked By D. ROMERO		

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CITY OF ALBUQUERQUE
AVIATION DEPARTMENT

TITLE: **SUNPORT JET-A FUEL FARM**
FUELING OPERATIONS BUILDING
SCHEDULES AND ENERGY CODE ANALYSIS

Design Review Committee

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

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