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- CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
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- AT HIS OWN EXPENSE, CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
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- CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL DETERMINE IN ADVANCE OF HIS CONSTRUCTION IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF CONTRACTOR.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES AND/OR OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- CONTRACTOR SHALL SUPPORT ALL EXISTING, UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWER LINE COSTS.
- CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED AT A MAXIMUM OF EVERY FIFTEEN (15) FEET. CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- ALL FINAL BACKFILL FOR TRENCHES WITHIN THE COA RIGHT-OF-WAY SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2485.
- CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
- WHEN ABUTTING EXISTING PAVEMENT TO NEW, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE FIELD ENGINEER, REMOVAL OF BROKEN OR CRACKED PAVEMENT WILL ALSO BE REQUIRED.
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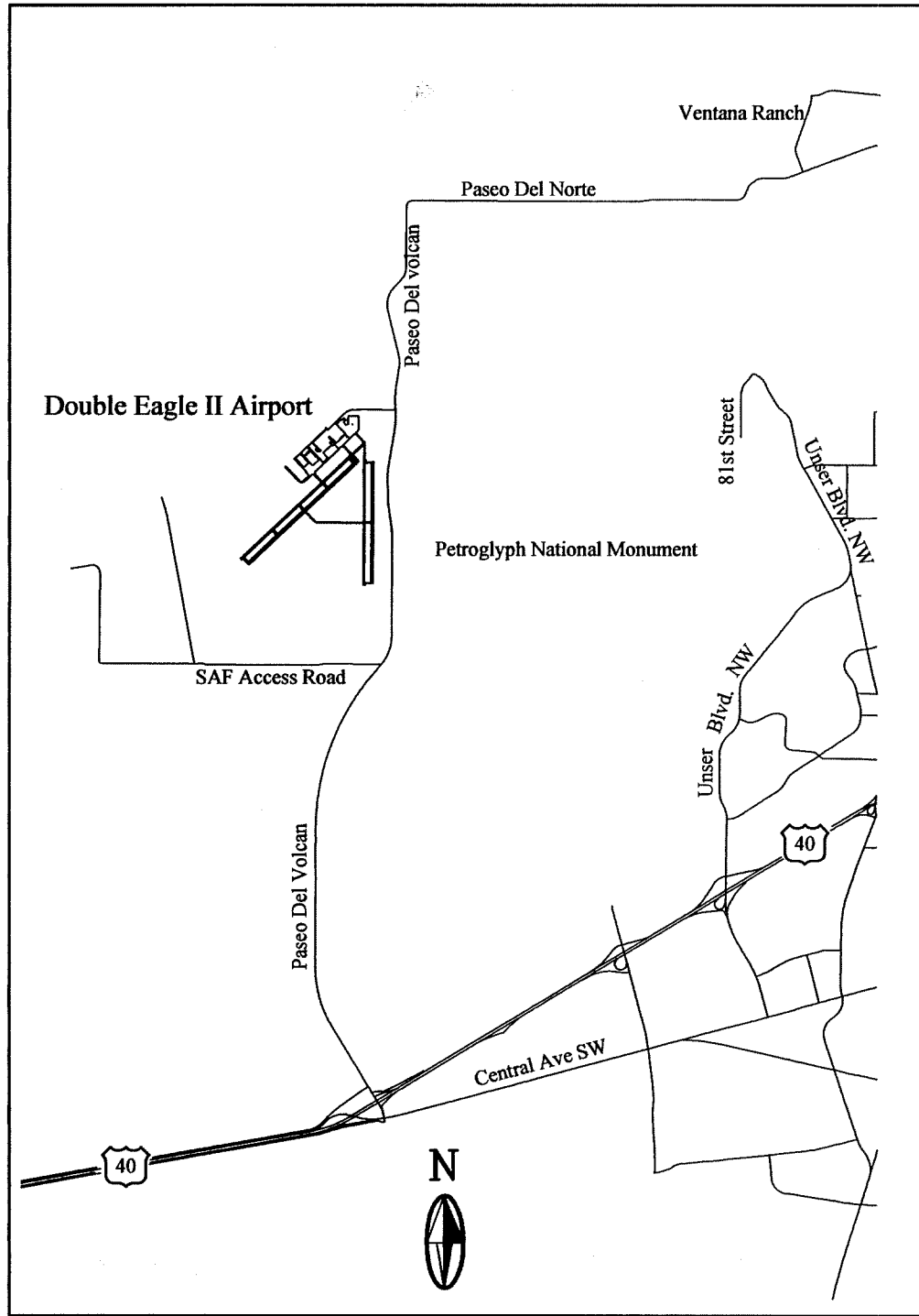
I N D E X O F D R A W I N G S

SEQUENCE	SHEET	DESCRIPTION
1	G-001	TITLE SHEET
2	G-002	PROJECT INFORMATION SHEET
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4	G-004	CONSTRUCTION PHASING/SAFETY PLAN
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W O R K I N C L U D E D  
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RELOCATION OF EXISTING ELECTRICAL EQUIPMENT  
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NEW ELECTRICAL SERVICE TO EXISTING AUTOMATIC VEHICLE GATE  
EXISTING SIGN MODULE REPLACEMENT

V I C I N I T Y M A P



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**MOLZEN-CORBIN & Associates**  
ENGINEERS/ARCHITECTS/PLANNERS

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION			
PROJECT INFORMATION SHEET			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	
725805	E-5 & E-6	G-00	2/27

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES	DATE	EAGLE AIR: N=508716.173, E=480267.340	CONTRACTOR	WORK	DATE
NO.	BY	ELEV.=5800.50	STARTED BY	DATE	
			INSPECTION	DATE	
			ACCEPTANCE BY	DATE	
			FIELD	DATE	
			CONSTRUCTION BY	DATE	
			DRAWINGS	DATE	
			CORRECTED BY	DATE	
			MICRO-FILM INFORMATION		
			RECORDED BY	DATE	
			NO.		

NO.	DATE	REMARKS	BY
		DESIGN	
DESIGNED BY	DATE	8/10/2010	
DRAWN BY	DATE	8/10/2010	
CHECKED BY	DATE	8/10/2010	

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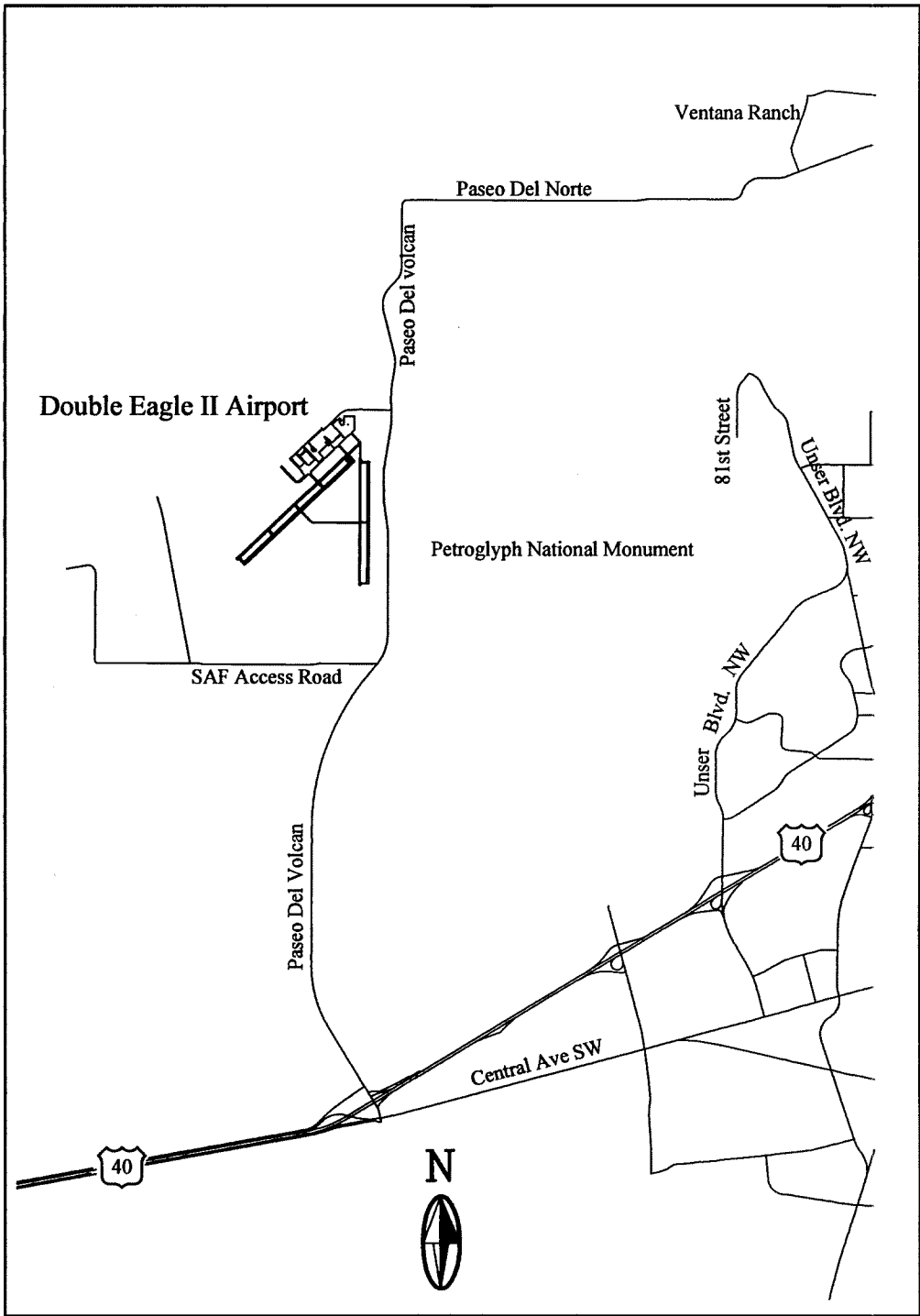
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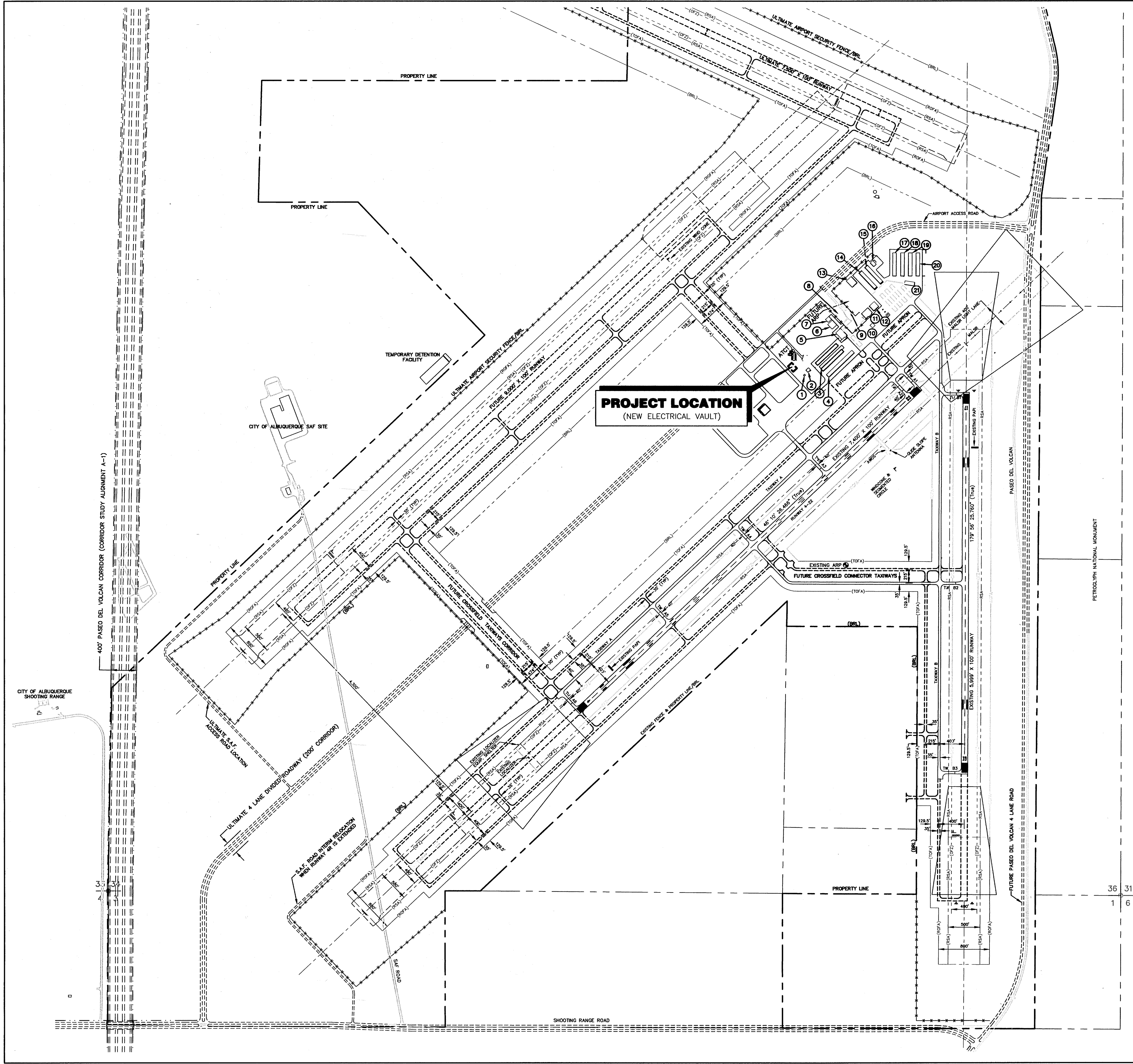
RECORD DRAWING	
DATE: 10/2011	DRAWN BY: MOLZEN CORBIN
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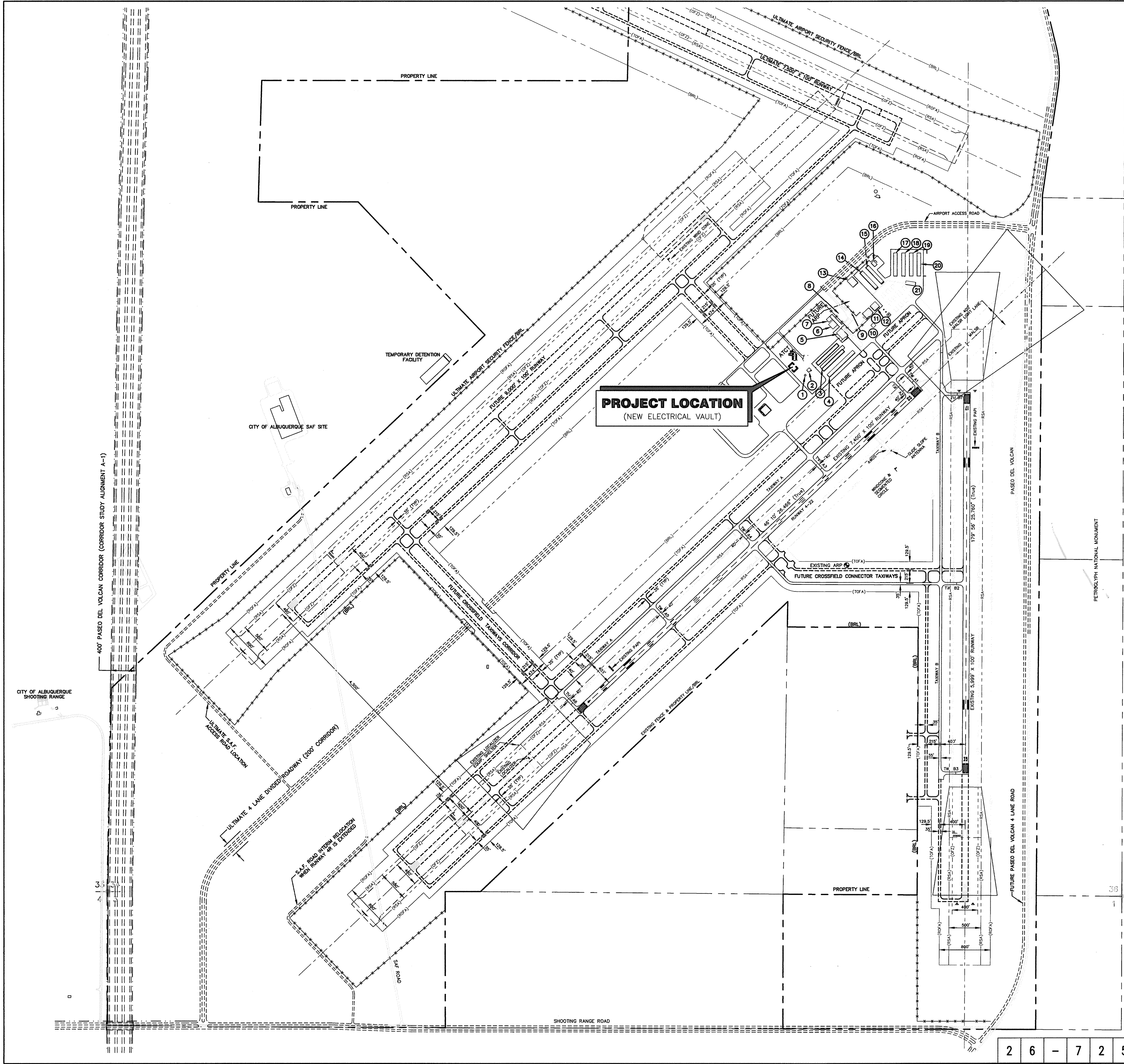
**MOLZEN-CORBIN & Associates**  
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION PROJECT INFORMATION SHEET			
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.
City Project No. 725805		Zone Map No. E-5 & E-6	Sheet G-002 Of 2/27















BARRICADING AND SAFETY NOTES

- THE AIRPORT WILL BE OPEN TO AIRCRAFT DURING THIS PROJECT. THE CONTRACTOR SHALL KEEP MEN AND EQUIPMENT CLEAR OF ALL ACTIVE RUNWAYS. THE CONTRACTOR SHALL SET AND MAINTAIN CONSTRUCTION BARRICADES SEPARATING CONSTRUCTION ZONE FROM AREAS OPEN FOR TRAFFIC.
- THE CONTRACTOR SHALL BE ALERT TO THE POSSIBILITY OF EMERGENCY SITUATIONS ARISING AT ANY TIME AND SHALL COOPERATE FULLY WITH THE AIRPORT MANAGER IN COPING WITH ANY EMERGENCIES INVOLVING AIRCRAFT.
- ALL OPERATIONS SHALL BE CONDUCTED IN FULL CONFORMITY WITH FEDERAL AVIATION ADMINISTRATION TRAFFIC AND SAFETY REGULATION WITHIN THE AIRPORT PROPERTY AND IN CONFORMITY WITH ANY APPLICABLE LAWS AND REGULATIONS OUTSIDE THE AIRPORT BOUNDARIES. SAFETY INFRACTIONS REGARDING AIR TRAFFIC WILL RESULT IN IMMEDIATE SHUTDOWN OF THE WORK UNTIL REMEDIED.
- PERMISSIBLE ACCESS ROUTES FOR CONSTRUCTION TRAFFIC OF ANY SORT SHALL BE DESIGNATED BY THE OWNER. ALL CONSTRUCTION TRAFFIC SHALL BE CONFINED TO THE DESIGNATED ROUTES WHEN OUTSIDE THE IMMEDIATE LIMITS OF CONSTRUCTION. NO CONSTRUCTION TRAFFIC WILL BE PERMITTED ON OR ACROSS ANY OPERATIONAL RUNWAY, TAXIWAY, OR PARKING APRON EXCEPT AS SPECIFICALLY PROVIDED.
- CONTRACTOR SHALL KEEP AREA SURROUNDING CONSTRUCTION ZONES, INCLUDING ALL ACCESS AND TRAVEL ROUTES CLEAN AND FREE OF DEBRIS.
- ALL THE CONTRACTORS VEHICLES AND MOVING EQUIPMENT WITHIN THE AIRPORT PROPERTY SHALL BE CLEARLY IDENTIFIED AND SHALL CARRY RED AND WHITE CHECKERED FLAGS (SEE AC 150/5370-2E), AND THAT THE CONTRACTOR EQUIP ALL EQUIPMENT AND VEHICLES WITH FLASHING YELLOW DOME LIGHTS. BARRICADING WITH BRIGHT COLORED PLASTIC FLAGGING SHALL BE PROVIDED AND PLACED AS DIRECTED BY THE ENGINEER AS REQUIRED TO DEFINE AIRCRAFT TAXILANES ETC.
- REQUIREMENTS INDICATED ON THIS SHEET DO NOT RELEASE CONTRACTOR OF HIS SOLE RESPONSIBILITY FOR CONSTRUCTION SAFETY.
- SINCE THE EXTENT AND DURATION OF TEMPORARY MEASURES NECESSARY FOR AIRPORT SECURITY AND SAFETY DURING THE CONSTRUCTION PERIOD ARE LARGELY DEPENDENT ON THE CONTRACTOR SCHEDULING AND EFFICIENT PROSECUTION OF THE WORK, THE COST OF SUCH MEASURES (BARRICADING, MARKING, TEMPORARY ACCESS ROADS, FENCING, CONSTRUCTION AREA MAINTENANCE AND CLEANUP, ETC.) SHALL BE CONSIDERED INCIDENTAL TO THE WORK AND NO SEPARATE MEASUREMENT OF PAYMENT WILL BE MADE THEREFOR, EXCEPT AS OTHERWISE MAY BE SPECIFICALLY PROVIDED FOR IN THE CONTRACT DOCUMENTS AND BID PROPOSAL.
- ALL PAVEMENT DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE REPLACED TO THE OWNER'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.
- WATER FOR CONSTRUCTION IS AVAILABLE AT THE AIRPORT FROM A ABCOWA OWNED FIRE HYDRANT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE CITY FOR ACCESS TO THE HYDRANT AND CHARGES FOR THE WATER.
- WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA PART 29.
- CONTRACTOR MUST PROMINENTLY MARK OPEN TRENCHES AND EXCAVATIONS AT THE CONSTRUCTION SITE WITH RED OR ORANGE FLAGS, AND LIGHT THEM WITH RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS. OPEN TRENCHES ARE NOT PERMITTED WITHIN 200 FEET OF THE RUNWAY CENTERLINE AND AT LEAST THE EXISTING RSA DISTANCE FROM THE RUNWAY THRESHOLD WHILE THE RUNWAY IS OPEN.

GENERAL NOTES

- ACCESS MUST BE PROVIDED DURING ALL PHASES OF CONSTRUCTION FOR ARRIVAL, DEPARTURE, AND TAXING OF AIRCRAFT TO THE MAIN TERMINAL AREA AND THE OPERATIONAL RUNWAYS AND TAXIWAYS.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY CLOSURE BARRICADES AND LIGHTING TO SEPARATE THE CONSTRUCTION AREAS FROM THE OPERATIONAL AIRFIELD AND TO PROTECT THE PUBLIC AND PROJECT PERSONNEL DURING CONSTRUCTION. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, FLAG PERSONS, LIGHTED AND UNLIGHTED BARRICADES, FENCING, SIGNAGE, AND MARKINGS.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY CABLING AND LIGHT INSTALLATIONS AS REQUIRED TO MAINTAIN OPERATIONAL PORTIONS OF THE AIRFIELD DURING CONSTRUCTION.
- CONTRACTOR SHALL PROTECT ALL FAA, NWS, AND OTHER INSTALLATIONS ENCOUNTERED DURING CONSTRUCTION, AND SHALL COORDINATE ALL ACTIVITIES AFFECTING SUCH INSTALLATIONS THROUGH THE ENGINEER.
- IF APPLICABLE, CONTRACTOR SHALL PROVIDE COMPETENT FLAG PERSONS WITH TWO WAY CONTROL TOWER RADIOS AT ALL CONSTRUCTION AREA/TAXIWAY/RUNWAY CROSSINGS, OR AS INDICATED. (TO BE COORDINATED FURTHER AT THE PRE-CONSTRUCTION MEETING).
- CONTRACTOR SHALL HAVE AT LEAST ONE OPERATIONAL VACUUM BROOM AVAILABLE AT ALL TIMES AND SHALL KEEP ALL ACTIVE AIRCRAFT TAXIWAYS WITHIN THE CONSTRUCTION AREA SWEEPED CLEAN AND FREE OF FOREIGN OBJECT DAMAGE HAZARDS.
- SEE THE SPECIAL PROVISIONS OF THE CONTRACT DOCUMENTS FOR MORE DETAILED REQUIREMENTS WITH REGARD TO CONSTRUCTION PHASING AND TRAFFIC CONTROL IN AIR OPERATIONS AREAS.
- NO NAVAIDS ARE AFFECTED BY THIS PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR REPORTING AND CLEANUP OF SPILLS WHICH ARE ASSOCIATED WITH THIS PROJECT'S CONSTRUCTION AND SHALL REPORT AND RESPOND TO SPILLS OF HAZARDOUS MATERIALS SUCH AS GASOLINE, DIESEL, MOTOR OILS, SOLVENTS, CHEMICALS, TOXIC AND CORROSIVE SUBSTANCES, AND ANY OTHER MATERIALS WHICH MAY BE CONSIDERED A THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT. THESE REPORTS SHALL BE MADE IMMEDIATELY TO THE NEW MEXICO ENVIRONMENTAL DEPARTMENT'S EMERGENCY RESPONSE TEAM AT 505-827-4308 OR 505-470-3657, AND TO THE AIRPORT MANAGER.
- THE CONTRACTOR SHALL COORDINATE WITH AIRPORT OPERATIONS AND THE ENGINEER IN CASE THE AIRPORT MOVEMENT AREAS ARE TO BE AFFECTED WITH THIS PROJECT, A MIN. OF 72 HOURS IN ADVANCE. THE AIRPORT MANAGER MAY ISSUE A NOTAM TO COMMUNICATE TO USERS THE AIRPORT CONDITIONS THAT ARE AFFECTED. THIS WOULD ALSO INCLUDE ANY UTILITY OUTAGES, EMERGENCY NOTIFICATION PROCEDURES, AND ANY NATURAL WILDLIFE ENCOUNTERED.
- CONSTRUCTION VEHICLES, CONTRACTOR EMPLOYEE PARKING, AND MATERIAL STOCKPILING SHALL BE LIMITED TO THE CONSTRUCTION STAGING AREA WHEN THESE ITEMS ARE NOT IN USE, UNLESS APPROVED OTHERWISE BY THE OWNER.
- ALL CONSTRUCTION PERSONNEL, INCLUDING OPERATING VEHICLES ON AIRPORT PROPERTY WILL BE REQUIRED TO OBTAIN AN AIRPORT BADGE, A BACKGROUND CHECK, AND CLASSROOM INSTRUCTION IS REQUIRED PRIOR TO ISSUANCE OF BADGE AND WILL BE COORDINATED PRIOR TO CONSTRUCTION ACTIVITIES. THE BADGE MUST BE PROMINENTLY DISPLAYED ON EACH PERSON AT ALL TIMES.
- CONTRACTOR NON-COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN THIS SAFETY PLAN, DESIGN DRAWINGS, AND SPECIFICATIONS OF THIS PROJECT MAY RESULT IN THE LOSS OF THIS PROJECT, AND MONETARY FINES BASED ON FEDERAL, STATE, AND/OR LOCAL LAWS AND REGULATIONS. PERIODIC INSPECTIONS BY AIRPORT OPERATIONS, AND/OR REPRESENTATIVES WILL BE CONDUCTED TO ENSURE COMPLIANCE.

CONSTRUCTION PHASING

PHASE A CONSTRUCTION

INSTALL ALL ELECTRICAL DUCT AND CONDUCTORS FROM EXISTING ELECTRICAL VAULT, AND FAA TRANSFORMER SITE TO NEW FACILITIES. CONSTRUCT NEW ELECTRICAL VAULT BUILDING AND ASSOCIATED INFRASTRUCTURE.

EXISTING AIRFIELD ELECTRICAL VAULT AND FAA TRANSFORMER SITE TO REMAIN UNDISTURBED AND ACTIVE.

CONTRACTOR SHALL REMAIN OUTSIDE OF TAXIWAY SAFETY AREA AT ALL TIMES (14.5' FROM TAXIWAY NORTH EDGE). COORDINATE WITH AIRPORT MANAGER WHEN CONSTRUCTION ACCESS TO TAXIWAY AREA IS REQUIRED.

PHASE B CONSTRUCTION

PHASE B CONSTRUCTION TO BEGIN ONLY AFTER PREVIOUS PHASE (A) HAS BEEN COMPLETED AND ACCEPTED BY OWNER.

CONTRACTOR SHALL RELOCATE EXISTING FAA TRANSFORMERS FROM EXISTING SITE LOCATION TO NEW SITE LOCATION, AND CONNECT AS REQUIRED. CONTRACTOR SHALL COORDINATE WITH FAA REPRESENTATIVES AND AIRPORT MANAGER PRIOR TO THE START OF CONSTRUCTION PHASE.

TEST AND VERIFY ALL AFFECTED FAA INFRASTRUCTURE IS OPERATIONAL AND COMPLETE.

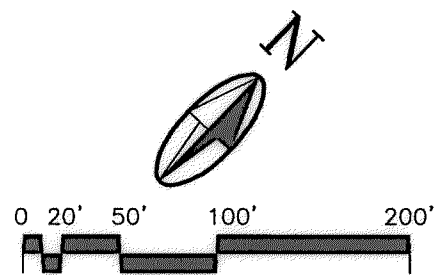
PHASE C CONSTRUCTION

PHASE C CONSTRUCTION TO BEGIN ONLY AFTER PREVIOUS PHASE (B) HAS BEEN COMPLETED AND ACCEPTED BY OWNER.

CONTRACTOR SHALL RELOCATE EXISTING AIRFIELD REGULATORS AND LIGHT CONTROL EQUIPMENT FROM EXISTING ELECTRICAL VAULT TO NEW VAULT SYSTEMATICALLY AND CONNECT AS REQUIRED. CONTRACTOR SHALL COORDINATE WITH AIRPORT MANAGER PRIOR TO THE START OF CONSTRUCTION PHASE.

TEST AND VERIFY ALL AFFECTED AIRFIELD INFRASTRUCTURE IS OPERATIONAL AND COMPLETE.

City Project No. 2 6 - 7 2 5 8 . 0 5 - 1 1



RECORD DRAWING	
DATE: 10/2011	DRAWN BY: MOLZEN CORBIN
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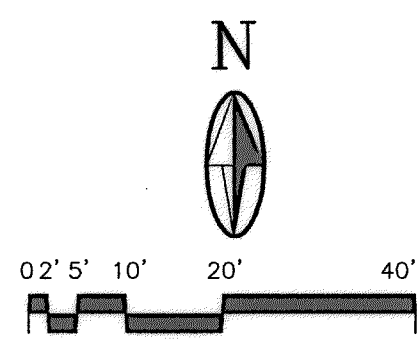
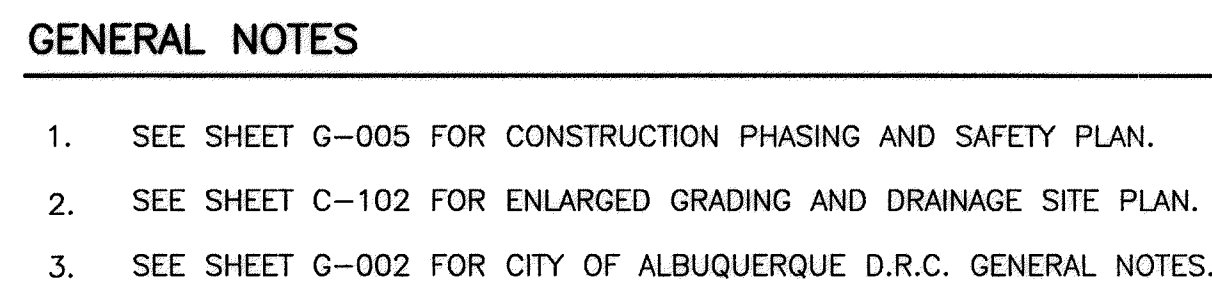
**MOLZEN-CORBIN & Associates**  
ENGINEERS/ARCHITECTS/PLANNERS

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP  
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION  
CONSTRUCTION PHASING/SAFETY PLAN



Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 725805		Zone Map No. E-5 & E-6	Sheet G-004	Of 4/27

REDRAWN FOR RECORD PURPOSES





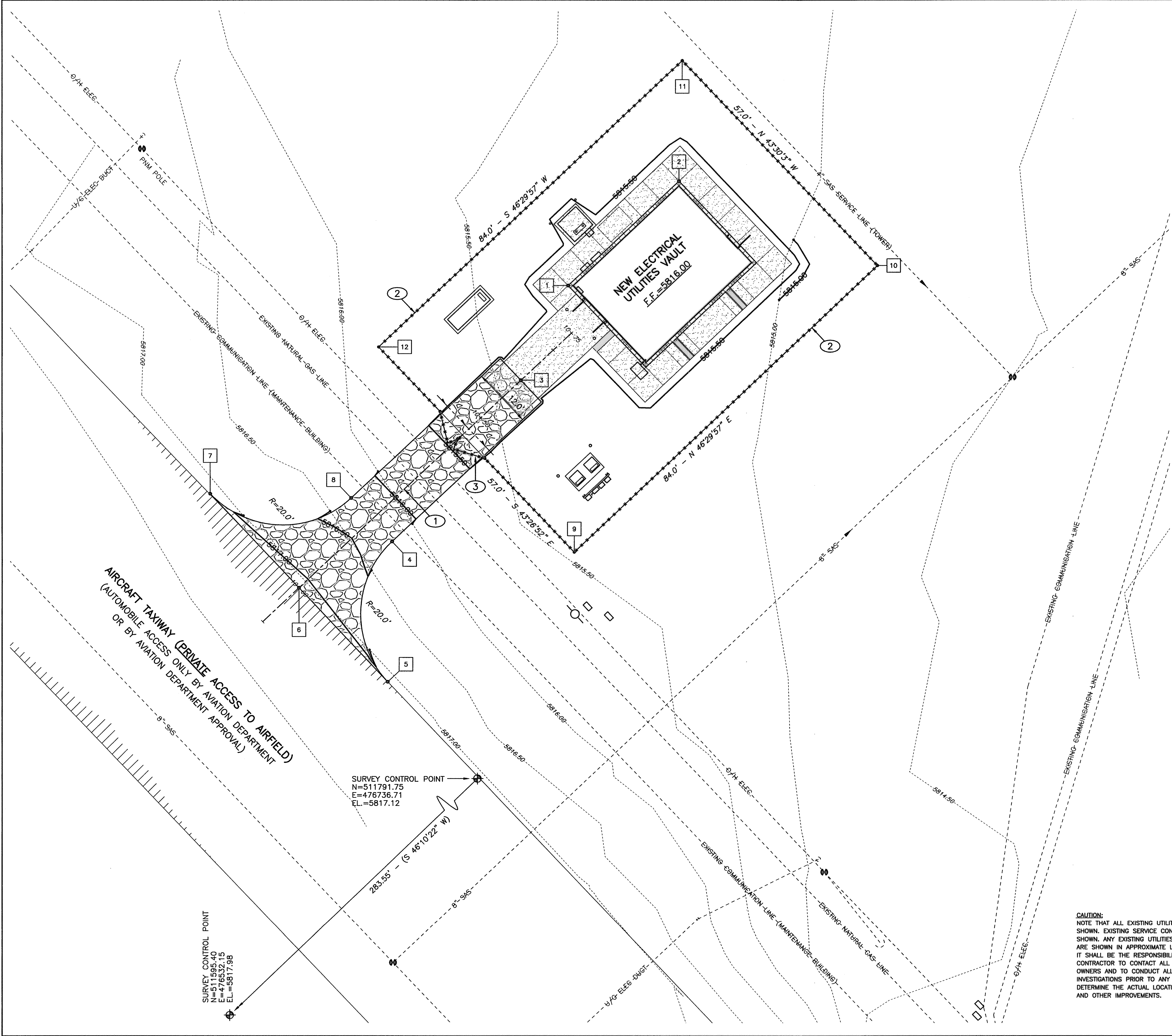
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION SITE PLAN TRAFFIC CIRCULATION LAYOUT	

Design Review Committee 		City Engineer Approval 		Last Design Update 		Mo./Day/Yr. 		Mo./Day/Yr. 	
City Project No. <b>725805</b>				Zone Map No. <b>E-5 &amp; E-6</b>		Sheet <b>C-101</b>		<b>5/27</b>	

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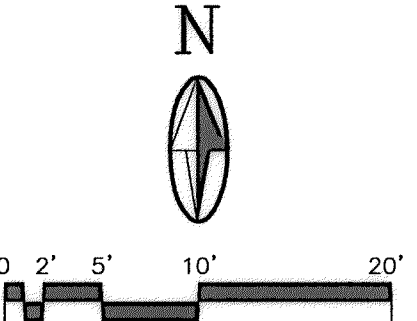


COORDINATE POINT SCHEDULE #

POINT	NORTHING	EASTING	DESCRIPTION
1	511891.23	476754.90	VAULT CORNER POINT
2	511912.34	476777.14	VAULT CORNER POINT
3	511872.14	476745.44	SERVICE DRIVE (STA. 10+61.11)
4	511839.62	476719.59	PC SERVICE DRIVE EDGE
5	511811.35	476718.71	PT SERVICE DRIVE MATCH
6	511830.30	476700.90	SERVICE DRIVE (STA. 10+00.00)
7	511849.24	476683.10	PT SERVICE DRIVE MATCH
8	511848.36	476711.37	PC SERVICE DRIVE EDGE
9	511837.47	476756.12	FENCE CORNER
10	511895.29	476817.05	FENCE CORNER
11	511936.64	476777.81	FENCE CORNER
12	511878.85	476716.92	FENCE CORNER

KEYED NOTES

- 1 12.0' WIDE SERVICE DRIVE (6" THICK - 4" DIA. COBBLE COURSE CONSTRUCTION ENTRANCE BALLAST, OVER 12" COMPACTED SUBGRADE) SEE SHEET C-201 FOR CENTERLINE PROFILE
- 2 6.0' HIGH CHAINLINK SECURITY FENCING w/BARBED WIRE TOPPING SEE DETAIL SHEET C-501
- 3 12.0' WIDE MANUAL DOUBLE SWING GATE, LOCK PROVIDED BY OWNER SEE DETAIL SHEET C-501



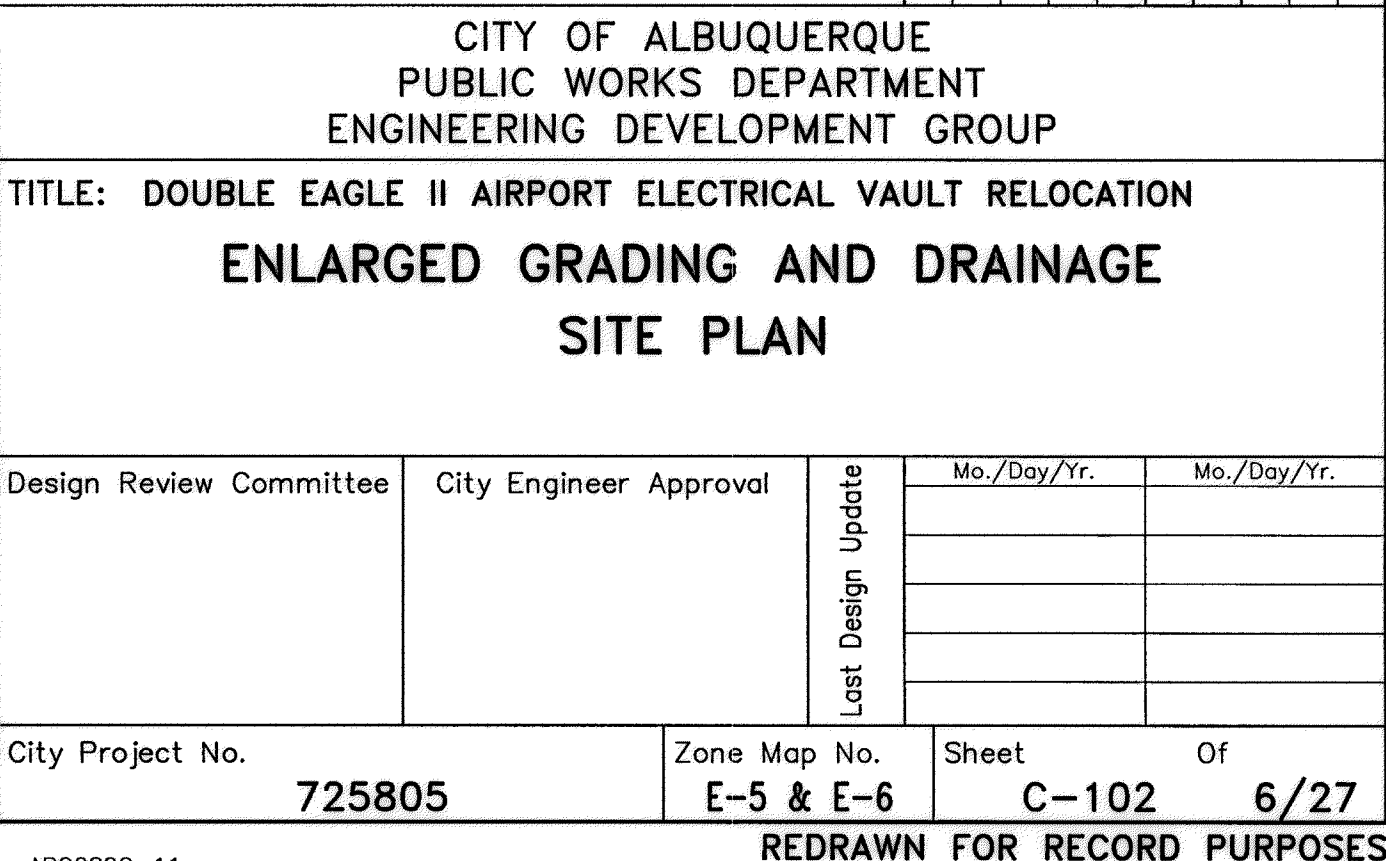
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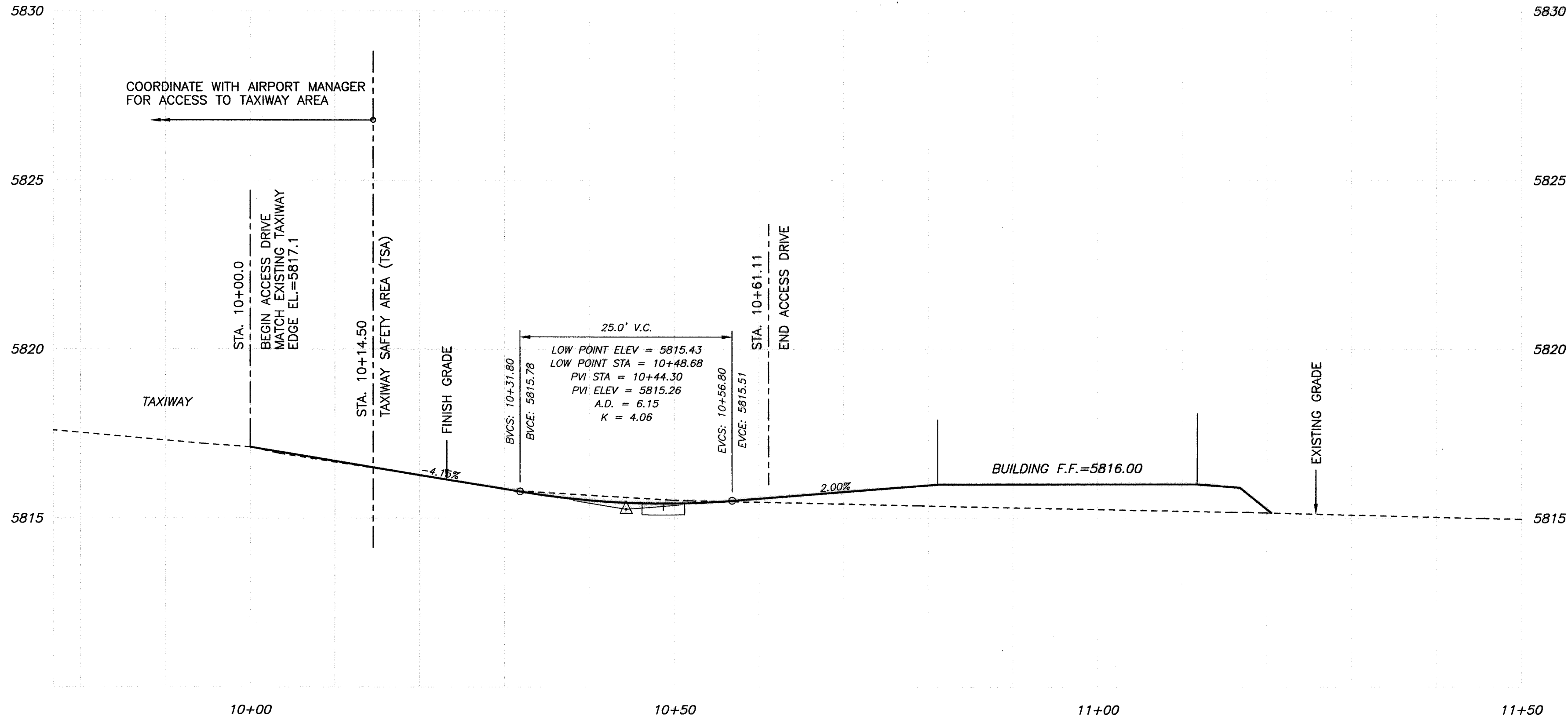
CAUTION:  
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE SHOWN IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION <b>ENLARGED GRADING AND DRAINAGE SITE PLAN</b>			
Design Review Committee APPROVE AUG 17 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVE AUG 17 2010 CITY ENGINEER	Last Design Update	
City Project No. 725805	Zone Map No. E-5 & E-6	Sheet C-102	Of 6/27

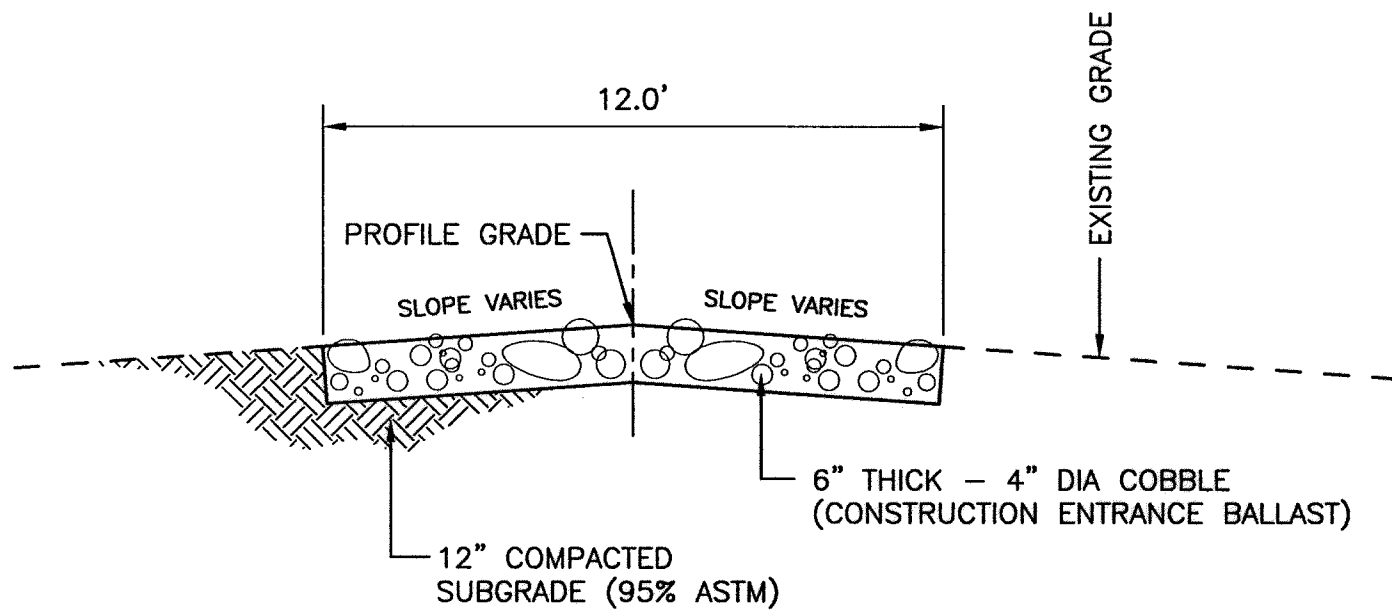
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		FIELD NOTES		CONTRACTOR		CONTRACTOR	
		NO.	BY	NO.	DATE	NO.	DATE
REMARKS		DATE		ELEV. = 5800.50		ELEV. = 5800.50	
DESIGNED BY DKS		DATE 8/10/2010		N 83 A: N=510472.458, E=480106.729		N 83 A: N=510472.458, E=480106.729	
DRAWN BY DKS		DATE 8/10/2010		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION	
CHECKED BY JMP		DATE 8/10/2010		NM STATE PLANE COORDS, NAD 83 NAVD88		NM STATE PLANE COORDS, NAD 83 NAVD88	







ACCESS DRIVE PROFILE  
SCALE: 1"=10' HORIZ.  
1"=5' VERT.



ACCESS DRIVE TYPICAL SECTION  
SCALE: 1"=10' HORIZ.

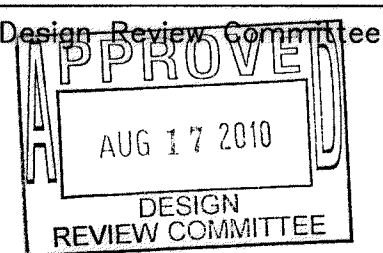
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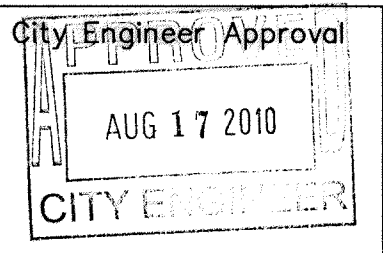


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TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION  
UNPAVED ACCESS DRIVE PROFILE AND SECTION

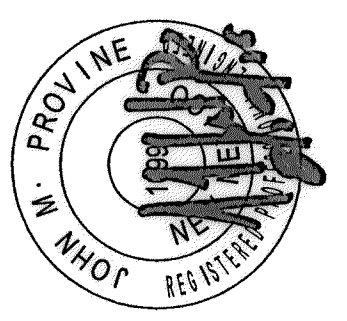
Design Review Committee  
  
AUG 17 2010  
DESIGN REVIEW COMMITTEE

City Engineer Approval  
  
AUG 17 2010  
CITY ENGINEER

City Project No.  
725805

Zone Map No.  
E-5 & E-6

Sheet  
C-201 7/27

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	NO.	BY	DATE	EAGLE AIR: N=508716.173, E=480267.340	CONTRACTOR	DATE	
	REMARKS			ELEV.=5800.50	STARTED BY	DATE	
	DESIGN			N 93 A: N=510472.458, E=480106.729	ACCEPTANCE BY	DATE	
				NMI STATE PLANE COORDS, NAD 83 NAVD88	FIELD CORRECTION BY	DATE	
DESIGNED BY	DKS	DATE	8/10/2010		CORRECTED BY	DATE	
DRAWN BY	DKS	DATE	8/10/2010		MICRO-FILM INFORMATION		
CHECKED BY	JMP	DATE	8/10/2010		RECORDED BY	DATE	
					NO.		

CAB-201 8/10/10 1:1

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GENERAL CRITERIA

1. DESIGN LOADS:
- A. VERTICAL DEAD LOADS \_\_\_\_\_ IBC 2006
- ROOF \_\_\_\_\_ 20.0 psf
- B. VERTICAL LIVE LOADS \_\_\_\_\_ IBC 2006
- ROOF \_\_\_\_\_ 20.0 psf NON-REDUCIBLE
- FLOOR \_\_\_\_\_ 100 psf
- C. WIND LOADS \_\_\_\_\_ SECTION 1609, IBC 2006
- BASIC WIND SPEED \_\_\_\_\_ V<sub>3S</sub> = 90 MPH
- EXPOSURE \_\_\_\_\_ "C"
- BUILDING GROUP \_\_\_\_\_ II
- IMPORTANCE FACTOR \_\_\_\_\_ I = 1.00
- EXPOSURE AND GUST FACTOR { \_\_\_\_\_ C<sub>e</sub> = 1.21 [10-15']
- \_\_\_\_\_ C<sub>e</sub> = 1.29 [20']
- \_\_\_\_\_ C<sub>e</sub> = 1.35 [25']
- \_\_\_\_\_ C<sub>e</sub> = 1.40 [30']
- D. SEISMIC LOADS \_\_\_\_\_ SECTION 1613, IBC 2006
- SITE CLASS \_\_\_\_\_ D
- SEISMIC DESIGN CATEGORY \_\_\_\_\_ B
- S<sub>M</sub>s = 0.7
- S<sub>M</sub>1 = 0.33
- F<sub>a</sub> = 1.4
- F<sub>v</sub> = 2.2
- ALLOWABLE 1/3 STRESS INCREASE FOR COMBINED VERTICAL AND WIND/SEISMIC LOADS

2. CAST-IN-PLACE CONCRETE:
- a. F'c = 4000psi @ 28 DAYS (AIR ENTRAINED)
- b. F'c = 4000psi @ 28 DAYS (NON- AIR ENTRAINED) - ALL BUILDING
3. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 OR A706, GRADE 60.
4. UNLESS NOTED OTHERWISE, LAP SPLICED OR EMBEDMENT LENGTHS SHALL CONFORM TO TABLE A, CLASS B SPLICE. SEE TABLE A, THIS SHEET.
5. UNLESS NOTED OTHERWISE, CONCRETE COVER OVER STEEL REINFORCEMENT SHALL CONFORM TO THE MINIMUMS REQUIRED BY CURRENT EDITION OF ACI 318.
6. REINFORCEMENT DETAILING AND PLACEMENT SHALL CONFORM TO ACI 318 AND ACI 315, EXCEPT WHERE OTHERWISE INDICATED.

FOUNDATION NOTES

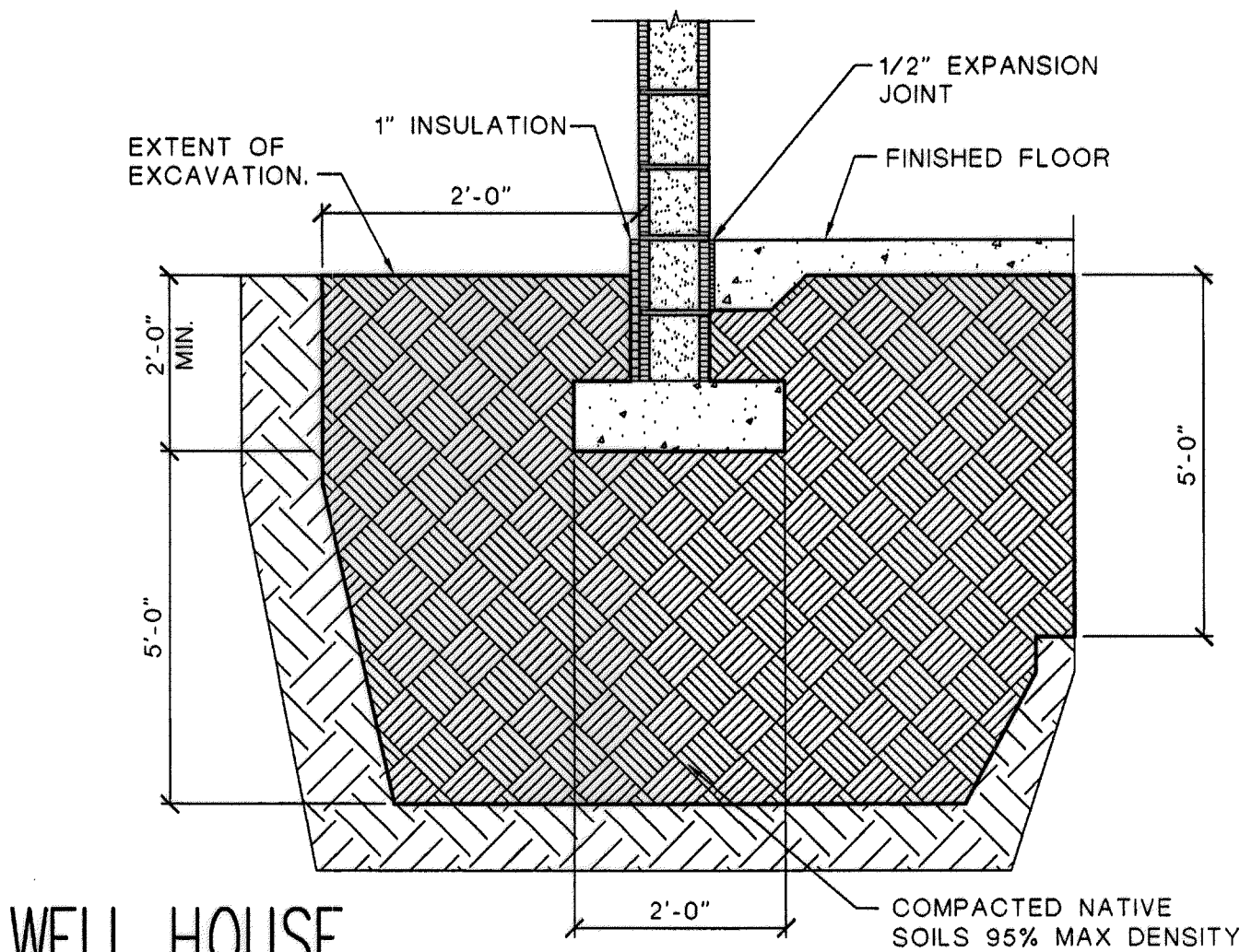
1. FOR COMPACTED FILL AND EXCAVATION REQUIREMENTS FOR WELL HOUSE, SEE EXCAVATION/FILL DETAIL, THIS SHEET AND GEOTECHNICAL REPORT BY GEOTEST, JOB NO. 1-20809 DATED DECEMBER 12, 2002
2. WELL HOUSE DESIGN FOUNDATION BEARING PRESSURE (NET) 2000 PSF DEAD + LIVE LOAD FILL DESIGN PRESSURE MAY BE INCREASED BY 1/3 FOR COMBINED VERTICAL AND WIND/SEISMIC LOADS.
3. REINFORCEMENT SHALL BE PLACED MID-DEPTH OF SLAB, UNLESS NOTED OTHERWISE.
4. CHAMFER EXPOSED EDGES OF CONCRETE 3/4", UNLESS NOTED OTHERWISE.
5. SUBGRADE PREPARATION:
- A. EXISTING FOUNDATIONS AND UTILITIES AT ANY POINT BENEATH OR WITHIN 3'-0" OF THE NEW STRUCTURE SHALL BE REMOVED ENTIRELY. ANY FILL MATERIAL FROM PREVIOUS CONSTRUCTION ACTIVITIES WHICH IS ENCOUNTERED WITHIN THE BUILDING FOOTPRINT SHOULD ALSO BE REMOVED ENTIRELY. SEE EXCAVATION/FILL DETAIL, THIS SHEET.
6. WELL HOUSE FILL:
- A. ALL NON-EXPANSIVE STRUCTURAL FILL PLACED UNDER BUILDING SLABS SHALL BE COMPACTED TO NOT LESS THAN 95% MAXIMUM DENSITY ACCORDING TO ASTM D-1557.

MASONRY

1. UNLESS NOTED OTHERWISE, ALL CONCRETE MASONRY UNITS (CMU) SHALL BE 2-CELL BLOCK AND HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI ON NET AREA.
2. ALL MASONRY BOND BEAMS, LINTELS AND BLOCKS WITH EMBEDDED ANCHOR BOLTS SHALL BE FILLED WITH 2000 PSI GROUT.
3. LAP ALL MASONRY REINFORCING BARS 40 DIAMETERS OR 18" MINIMUM UNLESS NOTED OTHERWISE.
4. GROUTED VERTICAL CELLS SHALL MAINTAIN A VERTICAL ALIGNMENT SUFFICIENT TO PROVIDE A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL NOT LESS THAN 2"x3" IN PLAN DIMENSIONS.
5. FOUNDATION DOWELS SHALL EXTEND A MINIMUM OF 40 DIAMETERS OR 18" MINIMUM INTO THE FOUNDATION CONCRETE AND 40 DIAMETERS INTO THE MASONRY WALL OR PARTITION. LAPS OR SPLICES OF REINFORCING STEEL IN MASONRY SHALL BE 2'-0" OR 40 DIAMETERS WHICHEVER IS GREATER. THERE SHALL BE A FOUNDATION DOWEL FOR EACH VERTICAL REINFORCING BAR.
6. VERTICAL WALL REINFORCING SHALL EXTEND CONTINUOUSLY FROM THE TOP OF FOUNDATION TO EMBED AT LEAST 6" INTO TOP OF WALL BOND BEAM.
7. AN ADDITIONAL VERTICAL BAR WITH FOUNDATION DOWEL, SAME SIZE AND LENGTH AS NORMAL REINFORCING BAR, SHALL BE PLACED.
- A. ON EACH SIDE OF CONTROL JOINTS.
- B. AT INTERSECTION OF EXTERIOR WALLS.
8. BOND BEAM REINFORCING STEEL FOR INTERIOR AND EXTERIOR WALLS SHALL BE CONTINUOUS THROUGHOUT.
- A. AT CONTROL JOINTS, INTERMEDIATE BOND BEAM REINFORCEMENT SHALL BE CONTINUOUS. REINFORCEMENT IN BOND BEAMS AT FLOOR AND ROOF DIAPHRAGM LEVELS SHALL BE CONTINUOUS.
9. LOCATION AND DETAILS OF CONTROL AND ISOLATION WALL JOINTS SHALL BE AS DETAILED ON CONTRACT DRAWINGS.
10. BARS AROUND PERIMETER OF OPENINGS SHALL EXTEND NOT LESS THAN 40 BAR DIAMETERS OR 24", WHICHEVER IS LARGER, BEYOND CORNER OF OPENING. FOUNDATION DOWELS ARE ONLY REQUIRED WHEN BAR DEVELOPMENT LENGTH DOES NOT EXIST BELOW THE OPENING.
11. VERTICAL REINFORCING SHALL BE SPACED AT 24" O.C. FOR ALL CMU UNLESS NOTED OTHERWISE ON THE DRAWINGS.
12. HORIZONTAL REINFORCING SHALL BE SPACED NO GREATER THAT 48" O.C. UNLESS NOTED OTHERWISE ON THE DRAWINGS.

MANUFACTURED STEEL JOISTS/JOIST GIRDERS

1. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS.
2. BRACING, BRIDGING AND BLOCKING OF JOISTS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.
3. JOIST TO BE SPACED AS SHOWN, REDUCE SPACING IF NECESSARY TO MEET THE SPECIFIED CRITERIA FOR DESIGN LOADS AND DEFLECTIONS.
4. MAXIMUM SPACING OF BRIDGING FOR ALL JOISTS SHALL BE IN ACCORDANCE WITH IBC 2006 AND MANUFACTURERS RECOMMENDATIONS.



WELL HOUSE  
EXCAVATION/FILL DETAIL

SCALE: NTS

1  
S-001

TABLE A – REINFORCEMENT TENSION LAPS, EMBEDMENT AND HOOK LENGTHS ① f <sub>y</sub> = 60000 psi    f'c = 3000 psi ② ③																
BAR SIZE (d)	CLEAR SPACING (IN) ④			EMBEDMENT AND CLASS A LAP (IN) ⑤⑥⑦						CLASS B LAP (IN) ⑥⑧						HOOK (IN) ⑨
				TOP BAR ⑩			OTHER BARS			TOP BAR ⑩			OTHER BARS			
	2d	3d	5d	2d<S>3d ⑪	S2d ⑫	S5d ⑬	2d<S>3d ⑪	S2d ⑫	S5d ⑬	2d<S>3d ⑪	S2d ⑫	S5d ⑬	2d<S>3d ⑪	S2d ⑫	S5d ⑬	
3	3/4	1 1/8	1 7/8	16	16	16	13	13	13	21	21	21	16	16	16	9
4	1	1 1/2	2 1/2	22	22	22	17	17	17	28	28	28	22	22	22	11
5	1 1/4	1 7/8	3 1/8	27	27	27	21	21	21	35	35	35	27	27	27	14
6	1 1/2	2 1/4	3 3/4	35	32	32	27	25	25	46	42	42	35	32	32	17
7	1 3/4	2 5/8	4 3/8	48	38	38	37	29	29	63	49	49	48	38	38	20
8	2	3	5	63	45	43	49	35	33	82	59	56	63	45	43	22
9	2.256	3 3/8	5 5/8	80	57	48	62	44	37	104	74	63	80	57	48	25
10	2.54	3.81	6.35	102	73	58	78	56	45	132	94	76	102	73	58	28
11	2.82	4.23	7.05	125	89	71	96	69	55	162	116	93	125	89	71	31

NOTES FOR TABLE A

1. LENGTHS SHOWN CONFORM WITH NON SEISMIC PROVISIONS OF ACI 318, CURRENT EDITION FOR UNCOATED BARS NOT ENCLOSED BY CLOSELY SPACED SPIRALS OR TIES. DEVELOPMENT OF REINFORCEMENT NOT COVERED BY THE TABLE SHALL CONFORM WITH ACI 318, CURRENT EDITION.
2. MULTIPLY LENGTHS SHOWN BY 0.87 FOR 4000 PSI. CONCRETE, BUT LENGTH OF LAP SHALL NOT BE LESS THAN 12 INCH.
3. MULTIPLY LENGTHS SHOWN BY 1.3 FOR LIGHTWEIGHT AGGREGATE CONCRETE.
4. BAR CLEAR SPACING IS THE CENTER TO CENTER BAR SPACING MINUS TWO BAR DIAMETERS WHEN ALL BARS ARE LAPPED AT THE SAME LOCATION. WHEN BAR LAPS ARE STAGGERED, AND LAP HALF THE BARS ARE LAPPED AT THE SAME LOCATION, THE BAR CLEAR SPACING IS TWICE THE CENTER TO CENTER BAR SPACING MINUS TWO BAR DIAMETERS. WHEN ALL BARS ARE EMBEDDED AT THE SAME LOCATION, THE BAR CLEAR SPACING IS THE CENTER TO CENTER BAR SPACING MINUS ONE BAR DIAMETER.
5. CLASS A LAP LENGTHS APPLY ONLY WHERE NOTED ON THE DRAWINGS.
6. LAP AND EMBEDMENT LENGTHS SHOWN APPLY WHEN MINIMUM CONCRETE COVER OVER BARS CONFORMS WITH VALUES GIVEN IN THE TABLE FOR "CONCRETE COVER". THESE COVER VALUES CONFIRM WITH ACI 318, CURRENT EDITION
7. CLASS A LAP AND EMBEDMENT LENGTH ARE EQUIVALENT.
8. CLASS B LAP LENGTHS APPLY FOR ALL SPLICES UNLESS NOTED
9. HOOK LENGTH GIVEN IS THE STRAIGHT LINE DISTANCE FROM THE LOCATION OF MAXIMUM STRESS IN THE BAR TO THE OUTSIDE END OF THE HOOK. MULTIPLY LENGTHS GIVEN BY 0.7 FOR HOOKS WITH SIDE COVER NORMAL TO THE HOOK NOT LESS THAN 2-1/2 INCH AND FOR 90 DEGREE HOOKS COVER ON BAR EXTENSION BEYOND HOOK NOT LESS THAN 2 INCHES.
10. TOP BARS ARE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12 INCHES OF CONCRETE IS CAST BELOW THE REINFORCEMENT.
11. MULTIPLY LAP AND EMBEDMENT LENGTHS GIVEN BY 2.0 FOR BARS WITH CLEAR SPACING OF TWO BAR DIAMETERS OR LESS OR CONCRETE COVER OF ONE BAR DIAMETER OR LESS.
12. MINIMUM CONCRETE COVER FROM FACE OF MEMBER TO EDGE BAR SHALL NOT BE LESS THAN TWO AND ONE HALF BAR DIAMETERS.

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION			
STRUCTURAL GENERAL NOTES			
Design Review Committee APPROVED AUG 17 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED AUG 17 2010 CITY ENGINEER	Last Design Update	Mo./Day/Yr. Mo./Day/Yr.
City Project No.	725805	Zone Map No.	Sheet Or
		E-5 & E-6	S-001

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GENERAL CRITERIA

1. DESIGN LOADS:
- A. VERTICAL DEAD LOADS \_\_\_\_\_ IBC 2006
- ROOF \_\_\_\_\_ 20.0 psf
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- ROOF \_\_\_\_\_ 20.0 psf NON-REDUCIBLE
- FLOOR \_\_\_\_\_ 100 psf
- C. WIND LOADS \_\_\_\_\_ SECTION 1609, IBC 2006
- BASIC WIND SPEED \_\_\_\_\_  $V_{3S} = 90$  MPH
- EXPOSURE \_\_\_\_\_ "C"
- BUILDING GROUP \_\_\_\_\_ II
- IMPORTANCE FACTOR \_\_\_\_\_  $I = 1.00$
- EXPOSURE AND GUST FACTOR {  $C_e = 1.21$  [0-15']  
 $C_e = 1.29$  [20']  
 $C_e = 1.35$  [25']  
 $C_e = 1.40$  [30']
- D. SEISMIC LOADS \_\_\_\_\_ SECTION 1613, IBC 2006
- SITE CLASS \_\_\_\_\_ D
- SEISMIC DESIGN CATEGORY \_\_\_\_\_ B
- $S_{MS} = 0.7$   
 $S_{M1} = 0.33$   
 $F_a = 1.4$   
 $F_v = 2.2$
- ALLOWABLE 1/3 STRESS INCREASE FOR COMBINED VERTICAL AND WIND/SEISMIC LOADS
2. CAST-IN-PLACE CONCRETE:
- a.  $F'c = 4000$ psi @ 28 DAYS (AIR ENTRAINED)
- b.  $F'c = 4000$ psi @ 28 DAYS (NON- AIR ENTRAINED) - ALL BUILDING
3. REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 OR A706, GRADE 60.
4. UNLESS NOTED OTHERWISE, LAP SPICED OR EMBEDMENT LENGTHS SHALL CONFORM TO TABLE A, CLASS B SPLICE. SEE TABLE A, THIS SHEET.
5. UNLESS NOTED OTHERWISE, CONCRETE COVER OVER STEEL REINFORCEMENT SHALL CONFORM TO THE MINIMUMS REQUIRED BY CURRENT EDITION OF ACI 318.
6. REINFORCEMENT DETAILING AND PLACEMENT SHALL CONFORM TO ACI 318 AND ACI 315, EXCEPT WHERE OTHERWISE INDICATED.

FOUNDATION NOTES

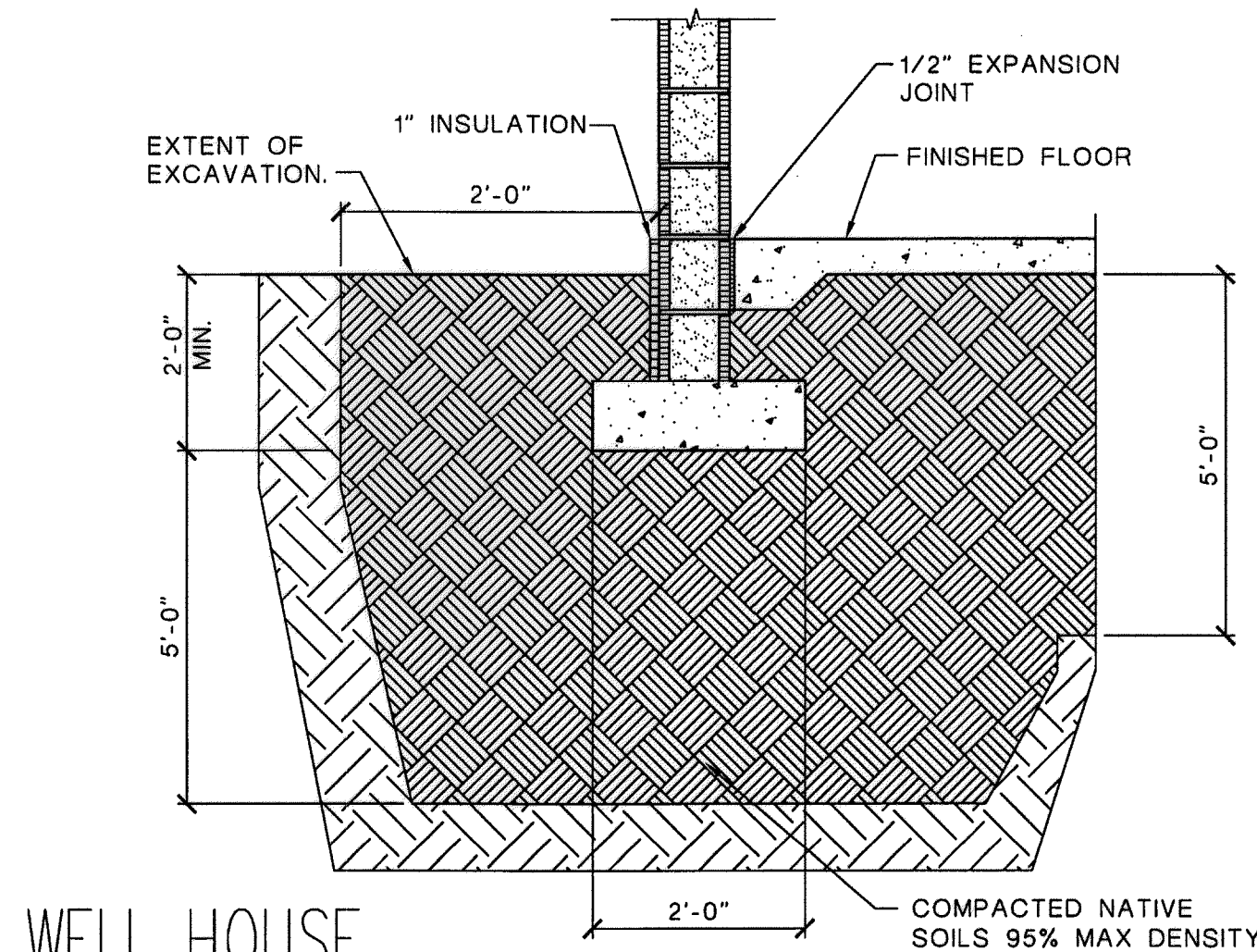
1. FOR COMPACTED FILL AND EXCAVATION REQUIREMENTS FOR WELL HOUSE, SEE EXCAVATION/FILL DETAIL, THIS SHEET AND GEOTECHNICAL REPORT BY GEOTEST, JOB NO. 1-20809 DATED DECEMBER 12, 2002
2. WELL HOUSE DESIGN FOUNDATION BEARING PRESSURE (NET) 2000 PSF DEAD + LIVE LOAD FILL DESIGN PRESSURE MAY BE INCREASED BY 1/3 FOR COMBINED VERTICAL AND WIND/SEISMIC LOADS.
3. REINFORCEMENT SHALL BE PLACED MID-DEPTH OF SLAB, UNLESS NOTED OTHERWISE.
4. CHAMFER EXPOSED EDGES OF CONCRETE 3/4", UNLESS NOTED OTHERWISE.
5. SUBGRADE PREPARATION:
- A. EXISTING FOUNDATIONS AND UTILITIES AT ANY POINT BENEATH OR WITHIN 3'-0" OF THE NEW STRUCTURE SHALL BE REMOVED ENTIRELY. ANY FILL MATERIAL FROM PREVIOUS CONSTRUCTION ACTIVITIES WHICH IS ENCOUNTERED WITHIN THE BUILDING FOOTPRINT SHOULD ALSO BE REMOVED ENTIRELY. SEE EXCAVATION/FILL DETAIL, THIS SHEET.
6. WELL HOUSE FILL:
- A. ALL NON-EXPANSIVE STRUCTURAL FILL PLACED UNDER BUILDING SLABS SHALL BE COMPACTED TO NOT LESS THAN 95% MAXIMUM DENSITY ACCORDING TO ASTM D-1557.

MASONRY

1. UNLESS NOTED OTHERWISE, ALL CONCRETE MASONRY UNITS (CMU) SHALL BE 2-CELL BLOCK AND HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI ON NET AREA.
2. ALL MASONRY BOND BEAMS, LINTELS AND BLOCKS WITH EMBEDDED ANCHOR BOLTS SHALL BE FILLED WITH 2000 PSI GROUT.
3. LAP ALL MASONRY REINFORCING BARS 40 DIAMETERS OR 18" MINIMUM UNLESS NOTED OTHERWISE.
4. GROUTED VERTICAL CELLS SHALL MAINTAIN A VERTICAL ALIGNMENT SUFFICIENT TO PROVIDE A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL NOT LESS THAN 2"x3" IN PLAN DIMENSIONS.
5. FOUNDATION DOWELS SHALL EXTEND A MINIMUM OF 40 DIAMETERS OR 18" MINIMUM INTO THE FOUNDATION CONCRETE AND 40 DIAMETERS INTO THE MASONRY WALL OR PARTITION. LAPS OR SPLICES OF REINFORCING STEEL IN MASONRY SHALL BE 2'-0" OR 40 DIAMETERS WHICHEVER IS GREATER. THERE SHALL BE A FOUNDATION DOWEL FOR EACH VERTICAL REINFORCING BAR.
6. VERTICAL WALL REINFORCING SHALL EXTEND CONTINUOUSLY FROM THE TOP OF FOUNDATION TO EMBED AT LEAS 6" INTO TOP OF WALL BOND BEAM.
7. AN ADDITIONAL VERTICAL BAR WITH FOUNDATION DOWEL, SAME SIZE AND LENGTH AS NORMAL REINFORCING BAR, SHALL BE PLACED.
- A. ON EACH SIDE OF CONTROL JOINTS.
- B. AT INTERSECTION OF EXTERIOR WALLS.
8. BOND BEAM REINFORCING STEEL FOR INTERIOR AND EXTERIOR WALLS SHALL BE CONTINUOUS THROUGHOUT.
- A. AT CONTROL JOINTS, INTERMEDIATE BOND BEAM REINFORCEMENT SHALL BE CONTINUOUS. REINFORCEMENT IN BOND BEAMS AT FLOOR AND ROOF DIAPHRAGM LEVELS SHALL BE CONTINUOUS.
9. LOCATION AND DETAILS OF CONTROL AND ISOLATION WALL JOINTS SHALL BE AS DETAILED ON CONTRACT DRAWINGS.
10. BARS AROUND PERIMETER OF OPENINGS SHALL EXTEND NOT LESS THAN 40 BAR DIAMETERS OR 24", WHICHEVER IS LARGER, BEYOND CORNER OF OPENING. FOUNDATION DOWELS ARE ONLY REQUIRED WHEN BAR DEVELOPMENT LENGTH DOES NOT EXIST BELOW THE OPENING.
11. VERTICAL REINFORCING SHALL BE SPACED AT 24" O.C. FOR ALL CMU UNLESS NOTED OTHERWISE ON THE DRAWINGS.
12. HORIZONTAL REINFORCING SHALL BE SPACED NO GREATER THAT 48" O.C. UNLESS NOTED OTHERWISE ON THE DRAWINGS.

MANUFACTURED STEEL JOISTS/JOIST GIRDERS

1. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS.
2. BRACING, BRIDGING AND BLOCKING OF JOISTS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.
3. JOIST TO BE SPACED AS SHOWN, REDUCE SPACING IF NECESSARY TO MEET THE SPECIFIED CRITERIA FOR DESIGN LOADS AND DEFLECTIONS.
4. MAXIMUM SPACING OF BRIDGING FOR ALL JOISTS SHALL BE IN ACCORDANCE WITH IBC 2006 AND MANUFACTURERS RECOMMENDATIONS.



WELL HOUSE EXCAVATION/FILL DETAIL

SCALE: NTS

1  
S-001

TABLE A – REINFORCEMENT TENSION LAPS, EMBEDMENT AND HOOK LENGTHS ① $f_y = 60000$ psi $f'c = 3000$ psi ② ③															
BAR SIZE (d)	CLEAR SPACING (IN) ④			EMBEDMENT AND CLASS A LAP (IN) ⑤⑥⑦						CLASS B LAP (IN) ⑥⑧					
	2d	3d	5d	TOP BAR ⑩			OTHER BARS			TOP BAR ⑩			OTHER BARS		
				$\geq 2d$	$\geq 2d$	$\geq 2d$	$\geq 2d$	$\geq 2d$	$\geq 2d$	$\geq 2d$	$\geq 2d$	$\geq 2d$	$\geq 2d$	$\geq 2d$	$\geq 2d$
3	3/4	1 1/8	1 7/8	16	16	16	13	13	13	21	21	21	16	16	16
4	1	1 1/2	2 1/2	22	22	22	17	17	17	28	28	28	22	22	22
5	1 1/4	1 7/8	3 1/8	27	27	27	21	21	21	35	35	35	27	27	27
6	1 1/2	2 1/4	3 3/4	35	32	32	27	25	25	46	42	42	35	32	32
7	1 3/4	2 5/8	4 3/8	48	38	38	37	29	29	63	49	49	48	38	38
8	2	3	5	63	45	43	49	35	33	82	59	56	63	45	43
9	2.256	3 3/8	5 5/8	80	57	48	62	44	37	104	74	63	80	57	48
10	2.54	3.81	6.35	102	73	58	78	56	45	132	94	76	102	73	58
11	2.82	4.23	7.05	125	89	71	96	69	55	162	116	93	125	89	71

NOTES FOR TABLE A

1. LENGTHS SHOWN CONFORM WITH NON SEISMIC PROVISIONS OF ACI 318, CURRENT EDITION FOR UNCOATED BARS NOT ENCLOSED BY CLOSELY SPACED SPIRALS OR TIES. DEVELOPMENT OF REINFORCEMENT NOT COVERED BY THE TABLE SHALL CONFORM WITH ACI 318, CURRENT EDITION.
2. MULTIPLY LENGTHS SHOWN BY 0.87 FOR 4000 PSI. CONCRETE, BUT LENGTH OF LAP SHALL NOT BE LESS THAN 12 INCH.
3. MULTIPLY LENGTHS SHOWN BY 1.3 FOR LIGHTWEIGHT AGGREGATE CONCRETE.
4. BAR CLEAR SPACING IS THE CENTER TO CENTER BAR SPACING MINUS TWO BAR DIAMETERS WHEN ALL BARS ARE LAPPED AT THE SAME LOCATION. WHEN BAR LAPS ARE STAGGERED, AND LAP HALF THE BARS ARE LAPPED AT THE SAME LOCATION, THE BAR CLEAR SPACING IS TWICE THE CENTER TO CENTER BAR SPACING MINUS TWO BAR DIAMETERS. WHEN ALL BARS ARE EMBEDDED AT THE SAME LOCATION, THE BAR CLEAR SPACING IS THE CENTER TO CENTER BAR SPACING MINUS ONE BAR DIAMETER.
5. CLASS A LAP LENGTHS APPLY ONLY WHERE NOTED ON THE DRAWINGS.
6. LAP AND EMBEDMENT LENGTHS SHOWN APPLY WHEN MINIMUM CONCRETE COVER OVER BARS CONFORMS WITH VALUES GIVEN IN THE TABLE FOR "CONCRETE COVER". THESE COVER VALUES CONFIRM WITH ACI 318, CURRENT EDITION
7. CLASS A LAP AND EMBEDMENT LENGTH ARE EQUIVALENT.
8. CLASS B LAP LENGTHS APPLY FOR ALL SPLICES UNLESS NOTED
9. HOOK LENGTH GIVEN IS THE STRAIGHT LINE DISTANCE FROM THE LOCATION OF MAXIMUM STRESS IN THE BAR TO THE OUTSIDE END OF THE HOOK. MULTIPLY LENGTHS GIVEN BY 0.7 FOR HOOKS WITH SIDE COVER NORMAL TO THE HOOK NOT LESS THAN 2-1/2 INCH AND FOR 90 DEGREE HOOKS COVER ON BAR EXTENSION BEYOND HOOK NOT LESS THAN 2 INCHES.
10. TOP BARS ARE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12 INCHES OF CONCRETE IS CAST BELOW THE REINFORCEMENT.
11. MULTIPLY LAP AND EMBEDMENT LENGTHS GIVEN BY 2.0 FOR BARS WITH CLEAR SPACING OF TWO BAR DIAMETERS OR LESS OR CONCRETE COVER OF ONE BAR DIAMETER OR LESS.
12. MINIMUM CONCRETE COVER FROM FACE OF MEMBER TO EDGE BAR SHALL NOT BE LESS THAN TWO AND ONE HALF BAR DIAMETERS.

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**MOLZEN-CORBIN & Associates**  
ENGINEERS/ARCHITECTS/PLANNERS

RECORD DRAWING



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION			
STRUCTURAL GENERAL NOTES			
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.
			Mo./Day/Yr.
			Mo./Day/Yr.
			Mo./Day/Yr.
			Mo./Day/Yr.
City Project No.	725805	Zone Map No.	E-5 & E-6
		Sheet	S-001
		Of	



QUALITY ASSURANCE PLAN

A. GENERAL REQUIREMENTS:

1. THE CONTRACTOR SHALL EMPLOY SPECIAL TESTING IN ACCORDANCE WITH SECTION 1704.1 OF THE IBC 2006 THROUGH THIS CONTRACT AND THROUGH A SEPARATE CONTRACT FOR SOILS, CONCRETE AND ASPHALT TESTING. OWNER/ARCHITECT WILL APPROVE SELECTED TESTING LAB. THIS CONTRACTOR IS RESPONSIBLE TO PROVIDE THE OWNER WITH CERTIFIED RESULTS OF SPECIAL TESTING EXCEPT FOR SOIL, CONCRETE AND ASPHALT TESTING.
2. THE PERMIT APPLICANT SHALL SUBMIT A STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PER SECTION 1704.1 OF THE IBC-2006. SEE BELOW.
3. SPECIAL INSPECTORS SHALL SUBMIT INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. THE REPORT SHALL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN SECTION 1704.1.2 OF THE IBC-2006.
4. THE REQUIRED SPECIAL INSPECTIONS FOR THE FACILITY ARE LISTED BELOW. ALL OTHER NORMAL INSPECTIONS AND TESTING NOT LISTED IN THE SPECIAL INSPECTIONS LISTED BELOW (SOILS COMPACTION TESTING, CONCRETE SAMPLING AND TESTING, PERMIT AGENCY INSPECTIONS, ETC.) SHALL BE PAID FOR BY THE GENERAL CONTRACTOR. ALL TESTING AND INSPECTIONS, AS WELL AS ALL QUALITY ASSURANCE TESTING AND INSPECTIONS, SHALL BE COORDINATED AND SCHEDULED BY THE GENERAL CONTRACTOR TO FIT WITHIN THE WORK FLOW OF THE PROJECT.
5. ALL STRUCTURAL LOAD BEARING MEMBERS AND ASSEMBLIES FABRICATED IN THE FABRICATORS' SHOP SHALL BE REQUIRED TO HAVE SPECIAL INSPECTIONS. THESE SPECIAL INSPECTIONS SHALL CONSIST OF VERIFICATION BY SPECIAL INSPECTOR THAT FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATORS' ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THESE INSPECTIONS ARE NOT REQUIRED IF THE FABRICATOR IS REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. THE FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE ENGINEER/ARCHITECT/OWNER/BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

B. CONCRETE CONSTRUCTION: SPECIAL INSPECTIONS FOR THE CONCRETE ELEMENTS OF THIS FACILITY ARE:

1. PERIODIC INSPECTION IS REQUIRED FOR ALL REINFORCING STEEL AND ALL CAST-IN-PLACE ANCHORS, BOLTS AND RODS.
2. PERIODIC INSPECTION IS REQUIRED TO VERIFY THE APPROVED DESIGN MIX.
3. CONTINUOUS INSPECTION IS REQUIRED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND TO DETERMINE THE TEMPERATURE OF THE CONCRETE.
4. CONTINUOUS INSPECTION IS REQUIRED TO VERIFY PROPER APPLICATION TECHNIQUES, INCLUDING CONVEYING AND DEPOSITING OF MATERIAL.
5. PERIOD INSPECTION IS REQUIRED TO VERIFY THE SPECIFIED CURING TEMPERATURE AND TECHNIQUES.

CONCRETE CONSTRUCTION TABLE 1704.4-IBC 2006 \*

VERIFICATION & INSPECTION ITEM	CONTINUOUS	PERIODIC
1,4,7,9		X
5,6	X	

\* SEE TABLE 1704.4 FOR REFERENCED STANDARDS AND IBC REFERENCES

C. CMU CONSTRUCTION. THE SPECIAL INSPECTION FOR THE MASONRY ELEMENTS OF THIS FACILITY ARE:

1. VERIFICATION OF SITE-PREPARED MORTAR MIX DESIGN PLACEMENT
2. PERIODIC INSPECTION OF REINFORCING STEEL PLACEMENT
3. PERIODIC INSPECTION OF CMU STRUCTURAL EMBEDS
4. PERIODIC INSPECTION OF GROUT SPACE TO ENSURE SPACE IS CLEAN

MASONRY TABLE 1704.5.1-IBC-2006  
CMU LEVEL 1 SPECIAL INSPECTION

VERIFICATION & INSPECTION ITEM	CONTINUOUS	PERIODIC
1.a, 1.b, 1.c		X
2.a, 2.b, 2.c, 2.e		X
3.a, 3.b, 3.c, 3.d		X
4	X	
5	X	

D. SEISMIC RESISTANCE REQUIREMENTS:

1. SEISMIC-FORCE-RESISTING SYSTEM FOR THIS BUILDING CONSISTS OF LOAD BEARING CONCRETE AND MASONRY SHEAR WALLS.
2. THE SPECIAL INSPECTIONS AND TESTING TO BE PROVIDED SHALL BE IN ACCORDANCE WITH THE SECTIONS 1704, 1707, AND 1708 OF THE IBC-2006.
3. THE TESTING AND SPECIAL INSPECTION REPORTS SHALL BE DISTRIBUTED DURING THE CONSTRUCTION PERIOD. SUBMIT THE REPORTS TO THE FOLLOWING:
  - a. BUILDING OFFICIALS
  - b. DESIGN PROFESSIONALS (ENGINEER & ARCHITECT) AND FACILITY OWNER.

E. STRUCTURAL OBSERVATIONS

1. STRUCTURAL OBSERVATIONS SHALL BE PERFORMED BY A REGISTERED ENGINEER FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM.
2. SIGNIFICANT CONSTRUCTION STAGES ARE:
  - a. AFTER FOUNDATION REINFORCING IS IN PLACE BEFORE CONCRETE PLACEMENT
  - b. AFTER FOUNDATION CONCRETE PLACEMENT
  - c. DURING MASONRY CONSTRUCTION
  - d. AFTER ALL STRUCTURAL SYSTEMS IN PLACE

F. CONTRACTOR RESPONSIBILITY: EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF ANY OF THE SYSTEMS LISTED ABOVE SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL, THE REGISTERED DESIGN PROFESSIONAL PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTORS' STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:

1. ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THIS QUALITY ASSURANCE PLAN.
2. ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.
3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTORS' ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION OF REPORTS.
4. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

G. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL SPECIAL INSPECTIONS. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTORS OF THE TIME AND DATE OF THE INSPECTIONS.

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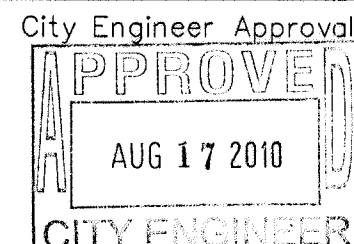
MOLZEN-CORBIN

& Associates  
ENGINEERS/ARCHITECTS/PLANNERS

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION

QUALITY ASSURANCE  
PLAN



Last Design Update

Mo./Day/Yr.

Mo./Day/Yr.

City Project No.

725805

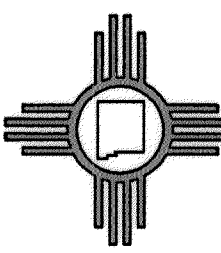
Zone Map No.

E-5 & E-6

Sheet

S-002

Of



ABQ Engineering

Engineers Planners Construction Services  
6739 Academy Rd. NE, Suite 130, Albuquerque, NM 87109  
505.255.7802 ABQ Project: 10-039

REVISED

QUALITY ASSURANCE PLAN

A. GENERAL REQUIREMENTS:

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CONCRETE CONSTRUCTION TABLE 1704.4-IBC 2006 \*

VERIFICATION & INSPECTION ITEM	CONTINUOUS	PERIODIC
1,4,7,9		X
5,6	X	

\* SEE TABLE 1704.4 FOR REFERENCED STANDARDS AND IBC REFERENCES

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MASONRY TABLE 1704.5.1-IBC-2006  
CMU LEVEL 1 SPECIAL INSPECTION

VERIFICATION & INSPECTION ITEM	CONTINUOUS	PERIODIC
1.a, 1.b, 1.c		X
2.a, 2.b, 2.c, 2.e		X
3.a, 3.b, 3.c, 3.d		X
4	X	
5	X	

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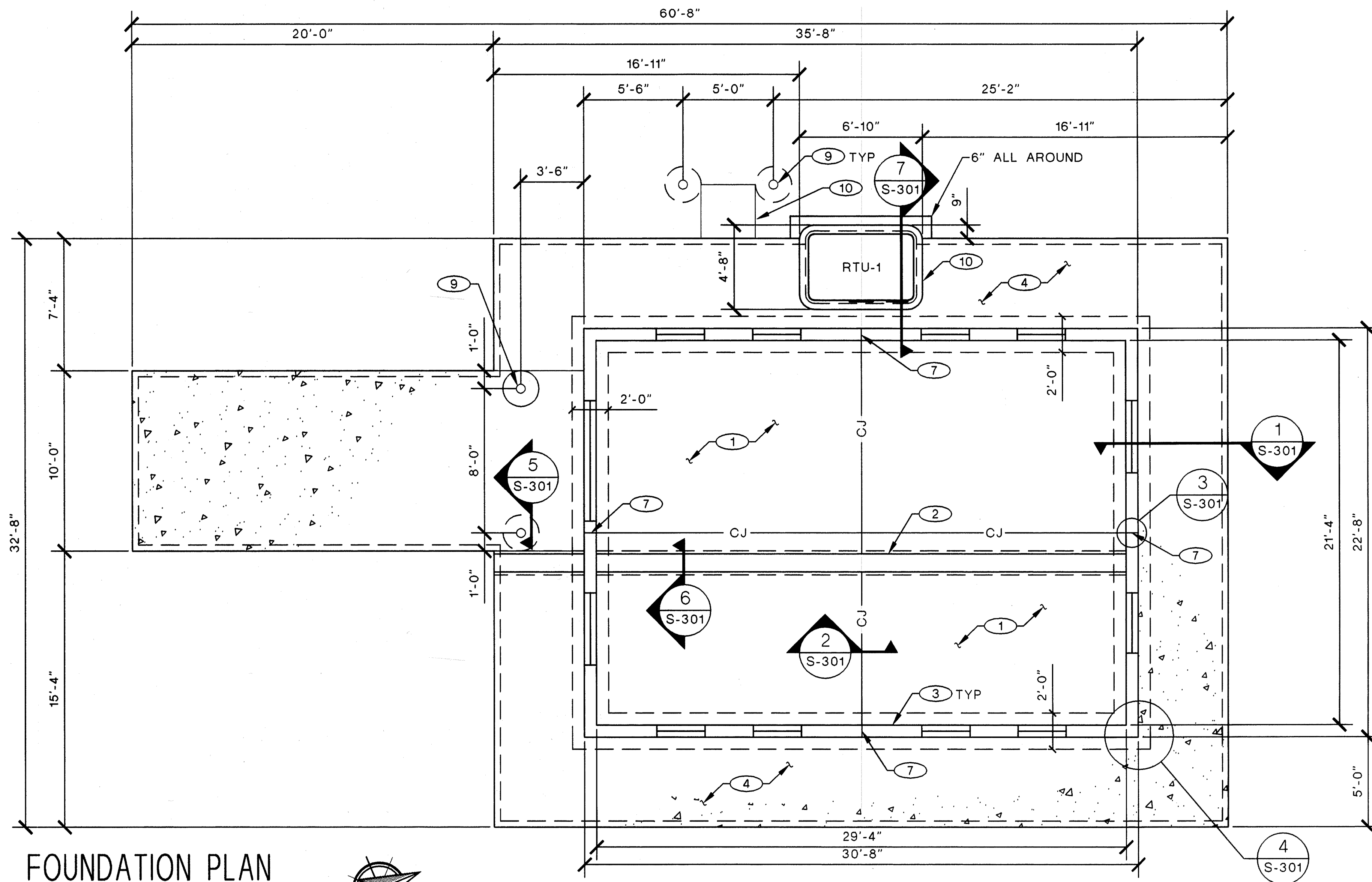
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ENGINEERS/ARCHITECTS/PLANNERS

RECORD DRAWING



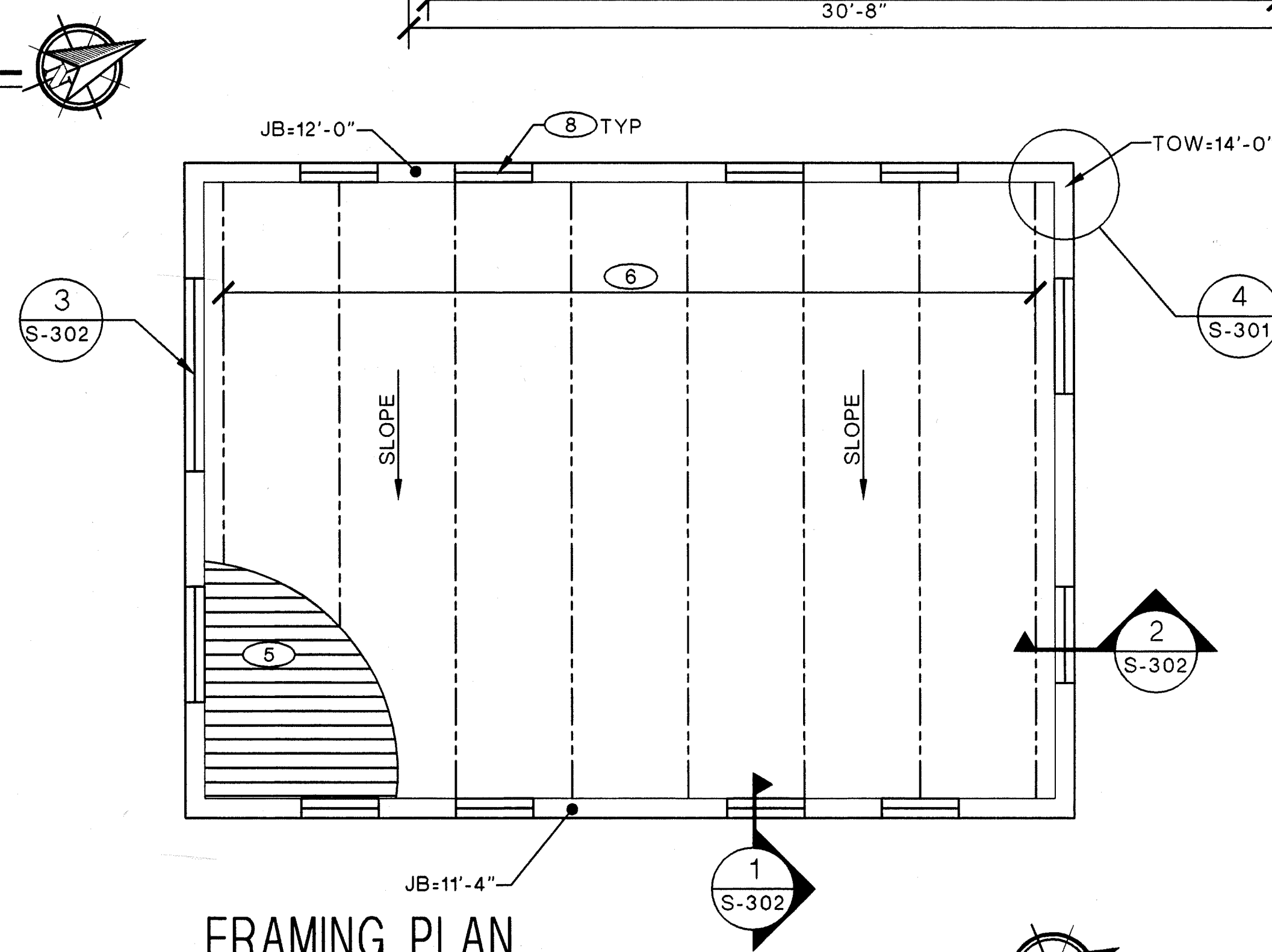
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION			
QUALITY ASSURANCE PLAN			
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr. Mo./Day/Yr.
City Project No.	725805	Zone Map No.	Sheet Of
		E-5 & E-6	S-002





FOUNDATION PLAN

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



FRAMING PLAN

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

### General Notes

- CONTRACTOR WILL COORDINATE BUILDING DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO FORMING.
- CONTRACTOR WILL COORDINATE ROOF/FLOOR PENETRATIONS WITH MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
- SEE CIVIL DRAWINGS FOR FINISHED FLOOR ELEVATIONS.

### Keyed Notes

- 6" CONCRETE SLAB WITH #4 BARS @ 18" O.C.E.W.
- ELECTRICAL FLOOR TRENCH, SEE ELECTRICAL DRAWINGS FOR PLACEMENT.
- 8" CMU WALL.
- 4" CONCRETE SLAB W/6x6~W1.4xW1.4 WWF. SIDEWALK.
- 22ga 1.5 TYPE B GALVANIZED ROOF DECK, SEE 4/S-302 AND 5/S302 FOR ROOF PENETRATION DETAIL.
- 12 K3 STEEL JOIST @ 4'-0" O.C.
- WALL CONTROL JOINT. SEE 3/S-301.
- CMU LINTEL, SEE 3/S-302.
- CONCRETE FILLED STEEL BOLLARD. SEE 5/S-301.
- 6" CONCRETE PAD WITH #4 BARS @ 18" O.C.E.W. COORDINATE WITH EQUIPMENT SUPPLIED.

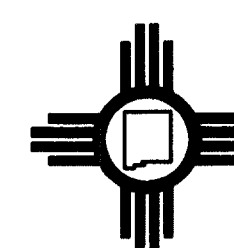
### Legend

- CJ — CONTROL JOINT
- JB JOIST BEARING
- FOUNDATION
- JOIST LINE
- WALL LINE
- TOW TOP OF WALL

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FAX: 505.242-5673

**MOLZEN-CORBIN & Associates**  
ENGINEERS/ARCHITECTS/PLANNERS

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION			
STRUCTURAL FOUNDATION AND FRAMING PLANS			
Design Review Committee APPROVED AUG 17 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED AUG 17 2010 CITY ENGINEER	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 725805	Zone Map No. E-5 & E-6	Sheet S-101	REVISOR



**ABQ Engineering**  
Engineers Planners Construction Services  
6739 Academy Rd. NE, Suite 130, Albuquerque, NM 87109  
505.255.7802 ABQ Project: 10-039

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
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STAMPED BY	DATE	ELEV.=5800.50	DATE	BY	DATE		
ACCEPTANCE BY	DATE	N 83 A: N=510472.458, E=480106.729	DATE			NO.	BY
FIELD INSPECTION BY	DATE		DATE				REMARKS
CORRECTED BY	DATE		DATE				DESIGN
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							DRAWN BY ASA
							CHECKED BY RGB
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							DATE 6/11/2010
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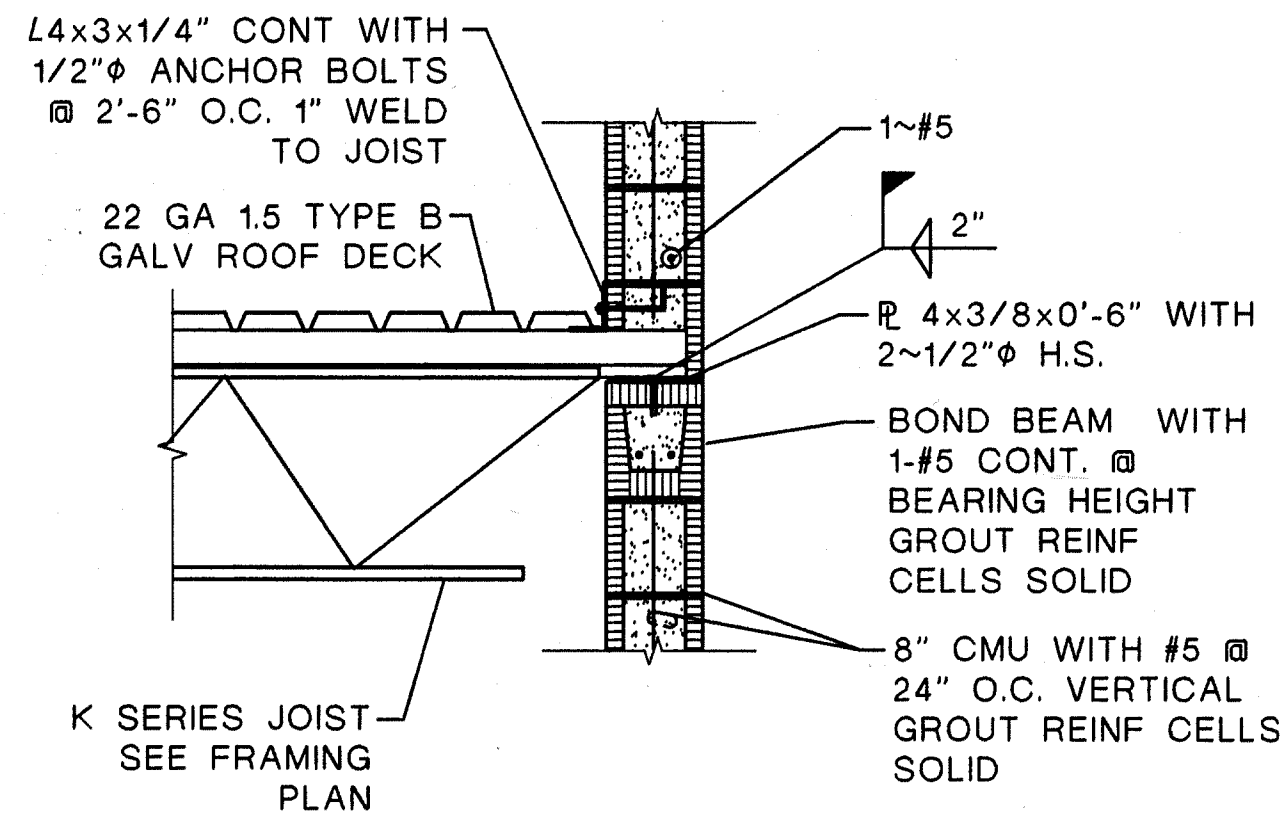








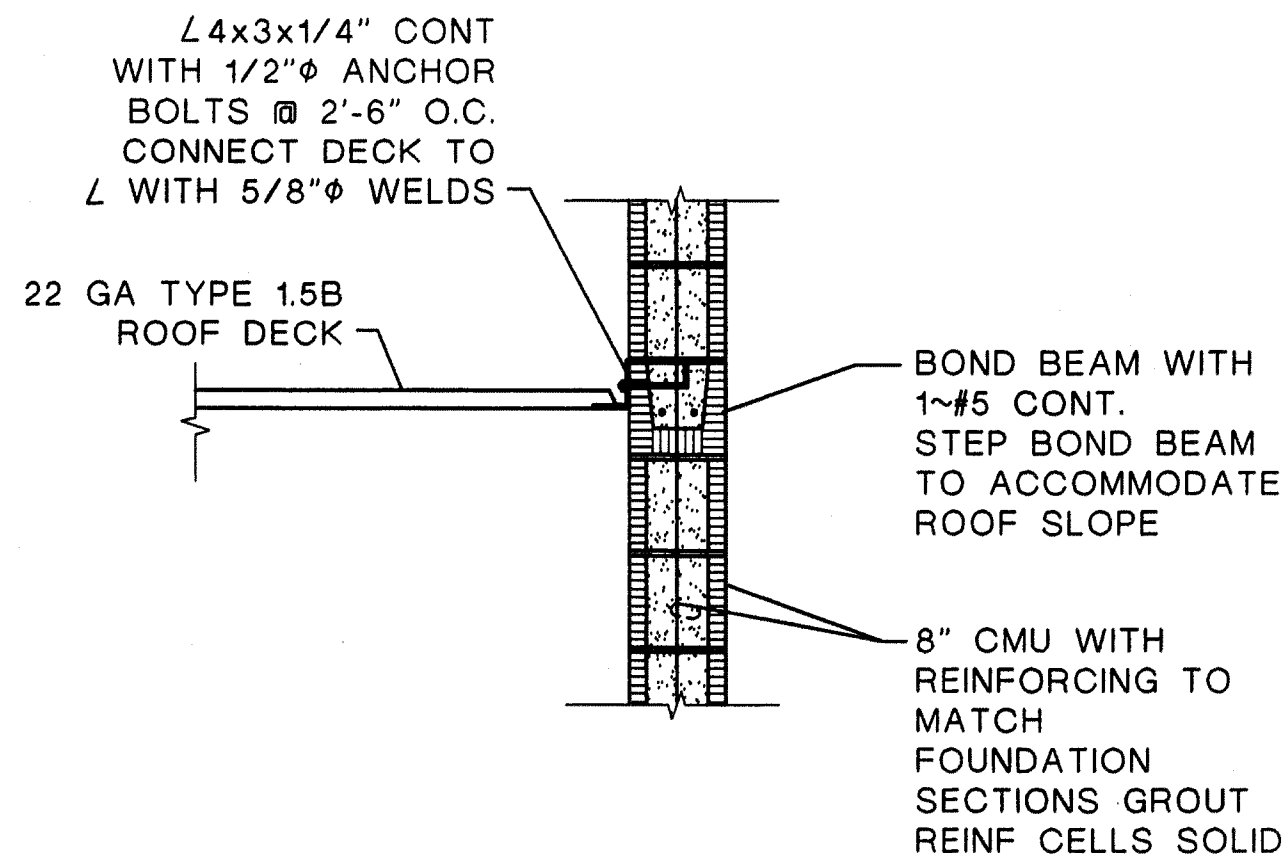




### SECTION

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

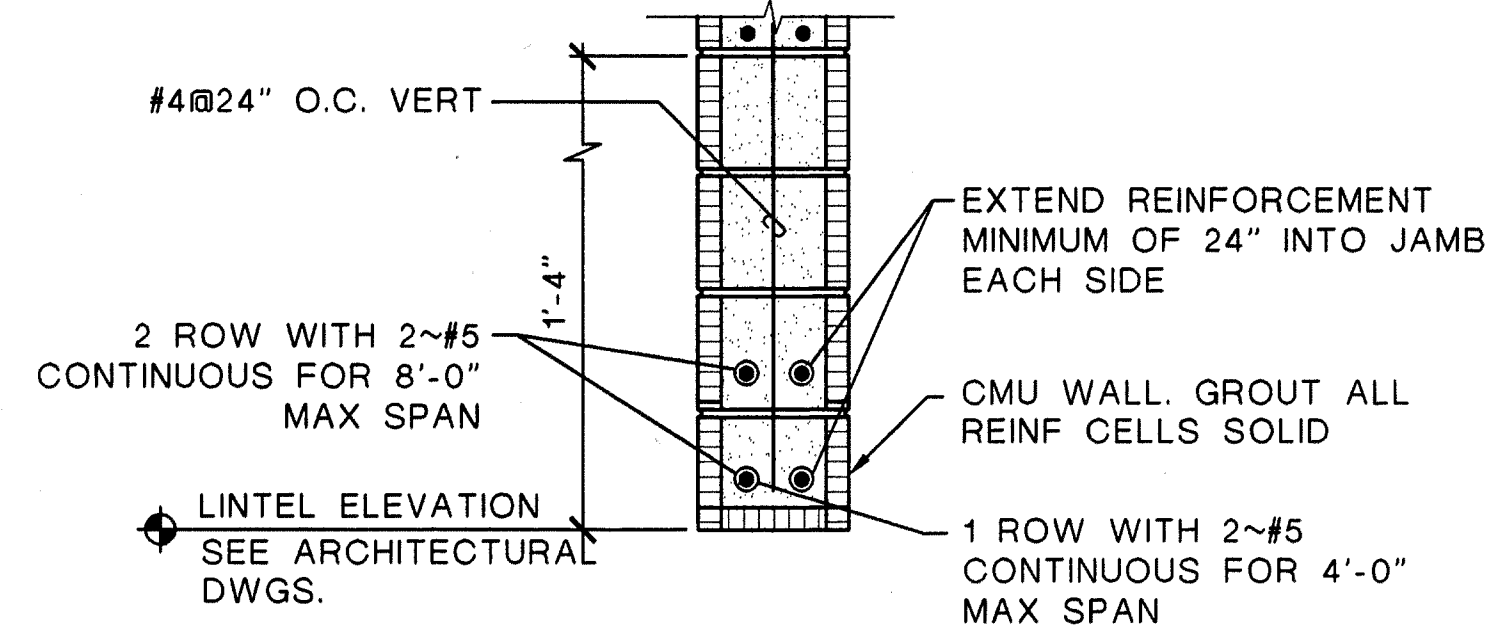
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S-302



### SECTION

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

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S-302

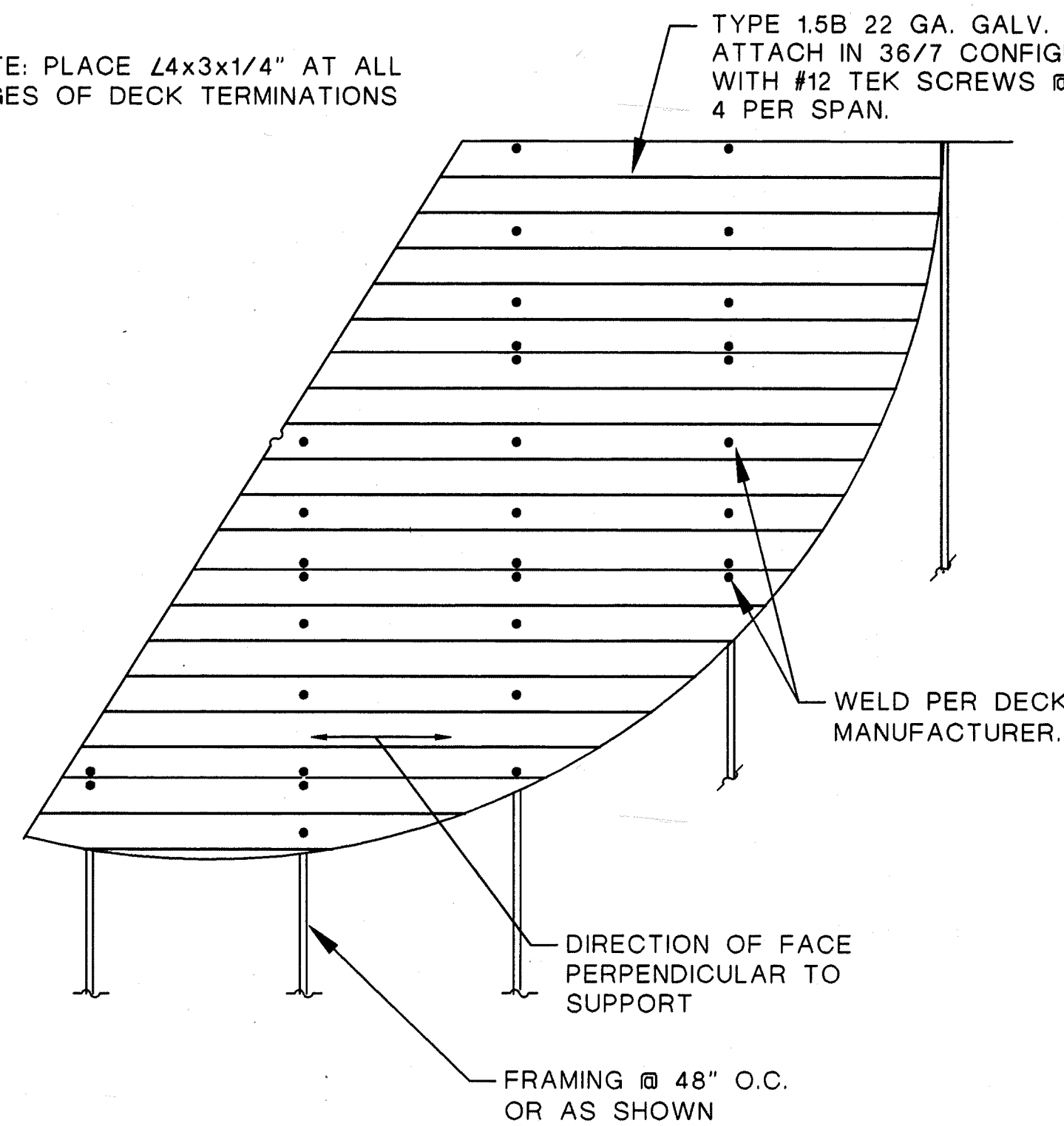


### TYPICAL 8" MASONRY LINTEL DETAIL

SCALE: NONE

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S-302

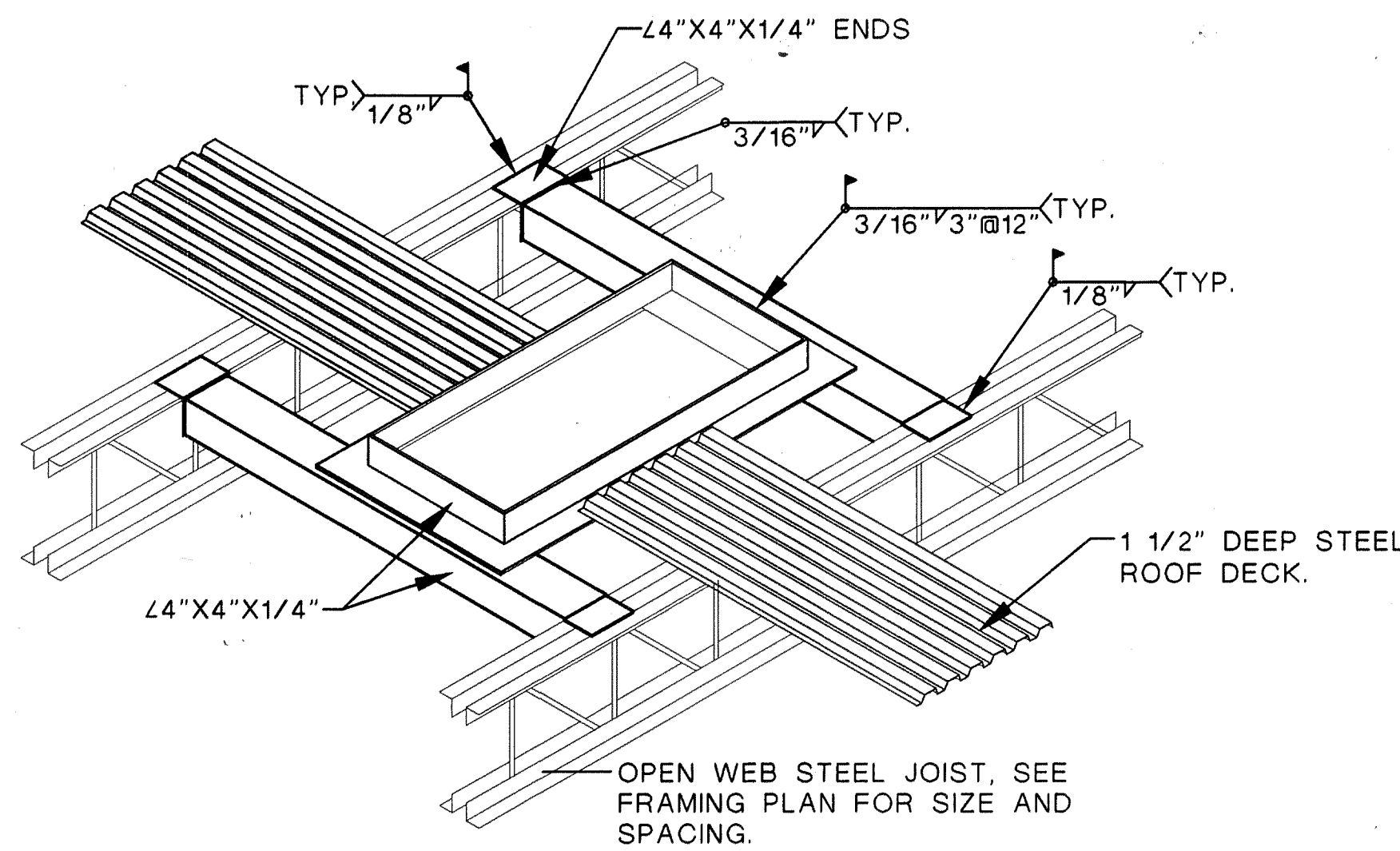
NOTE: PLACE L4x3x1/4" AT ALL EDGES OF DECK TERMINATIONS



### TYPICAL STEEL ROOF DECKING LAYOUT DETAIL

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

4  
S-302



### ROOF PENETRATION DETAIL

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

5  
S-302

NOTE: SCREW TYPES - #12 TEKS, SIDELAP FASTENERS

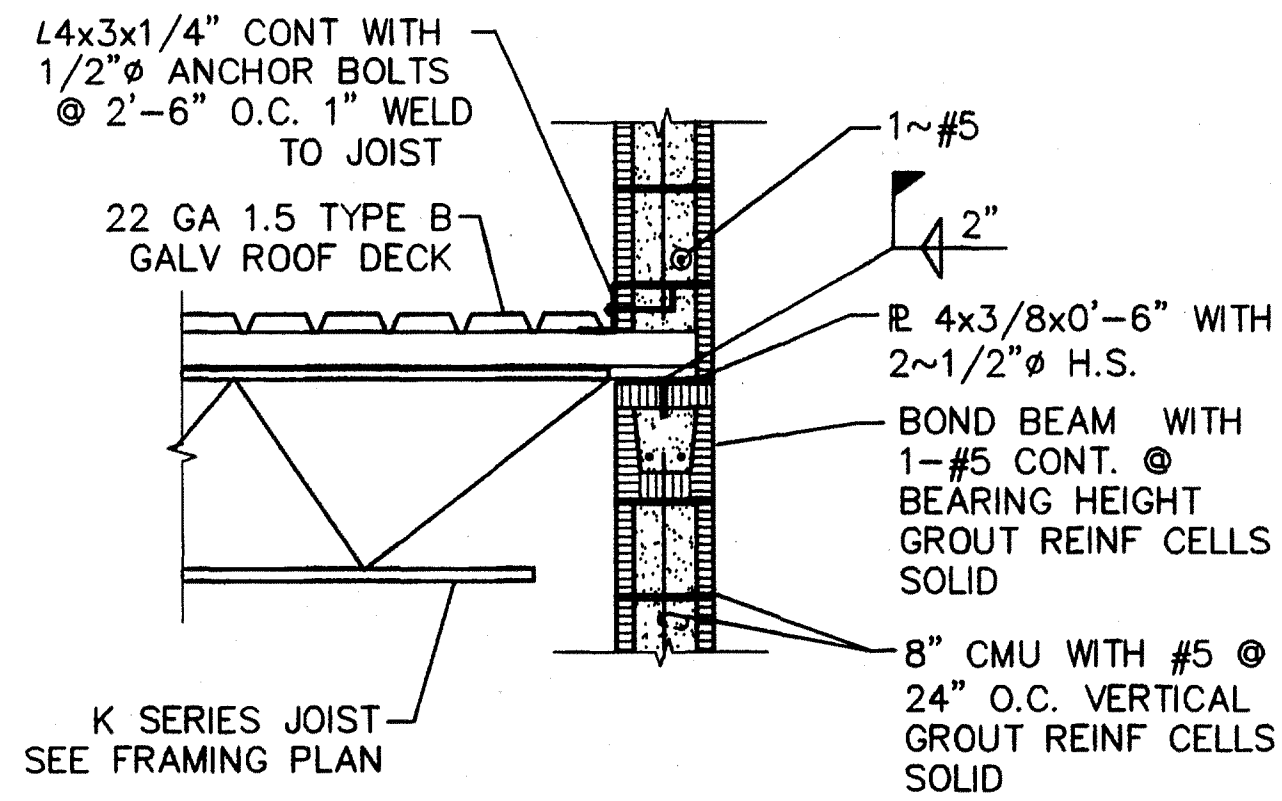
2701 MILES RD SE  
ALBUQUERQUE, NM 87108  
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FAX: 505.242-0873

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION			
STRUCTURAL FRAMING SECTIONS AND DETAILS			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED AUG 17 2010 DESIGN REVIEW COMMITTEE	APPROVED AUG 17 2010 CITY ENGINEER		
City Project No.	Zone Map No.	Sheet	Of
725805	E-5 & E-6	S-302	

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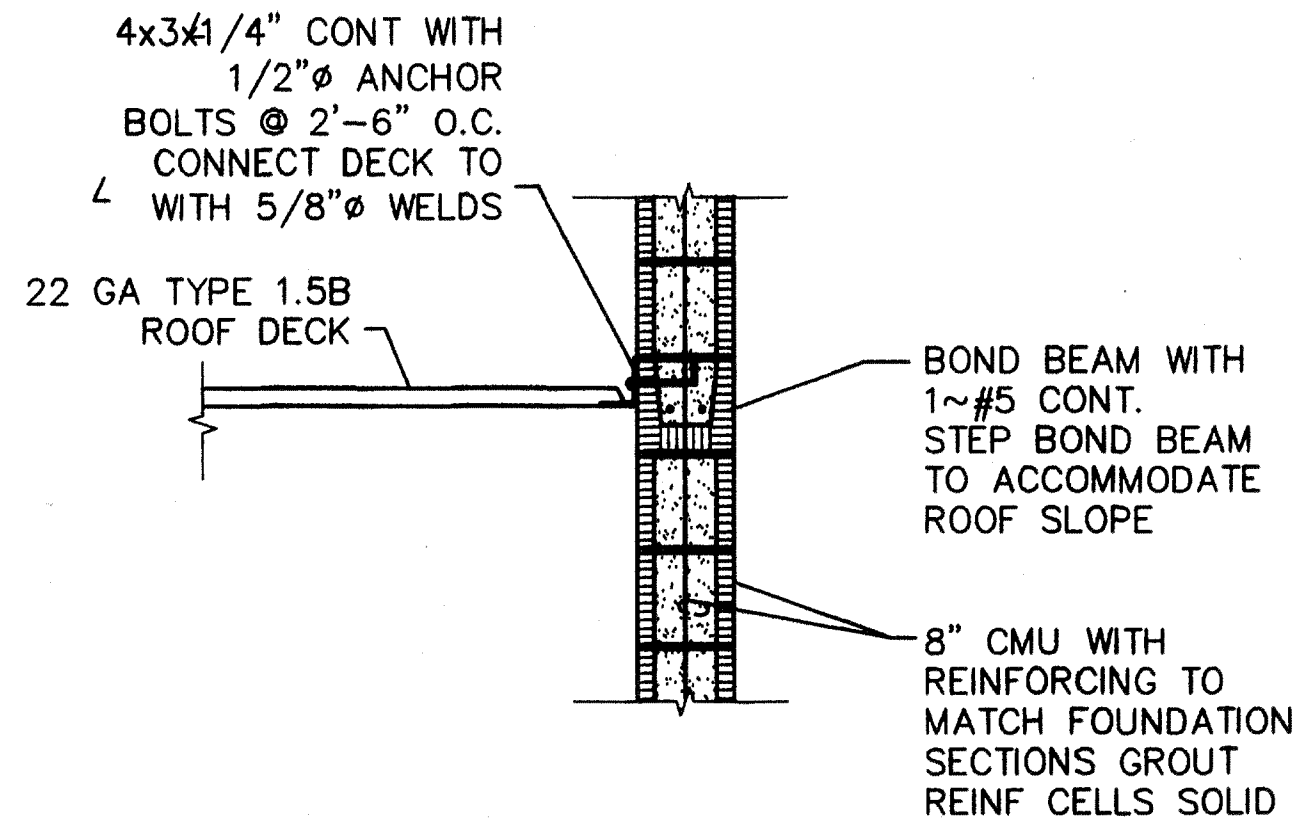
REVISED



## SECTION

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

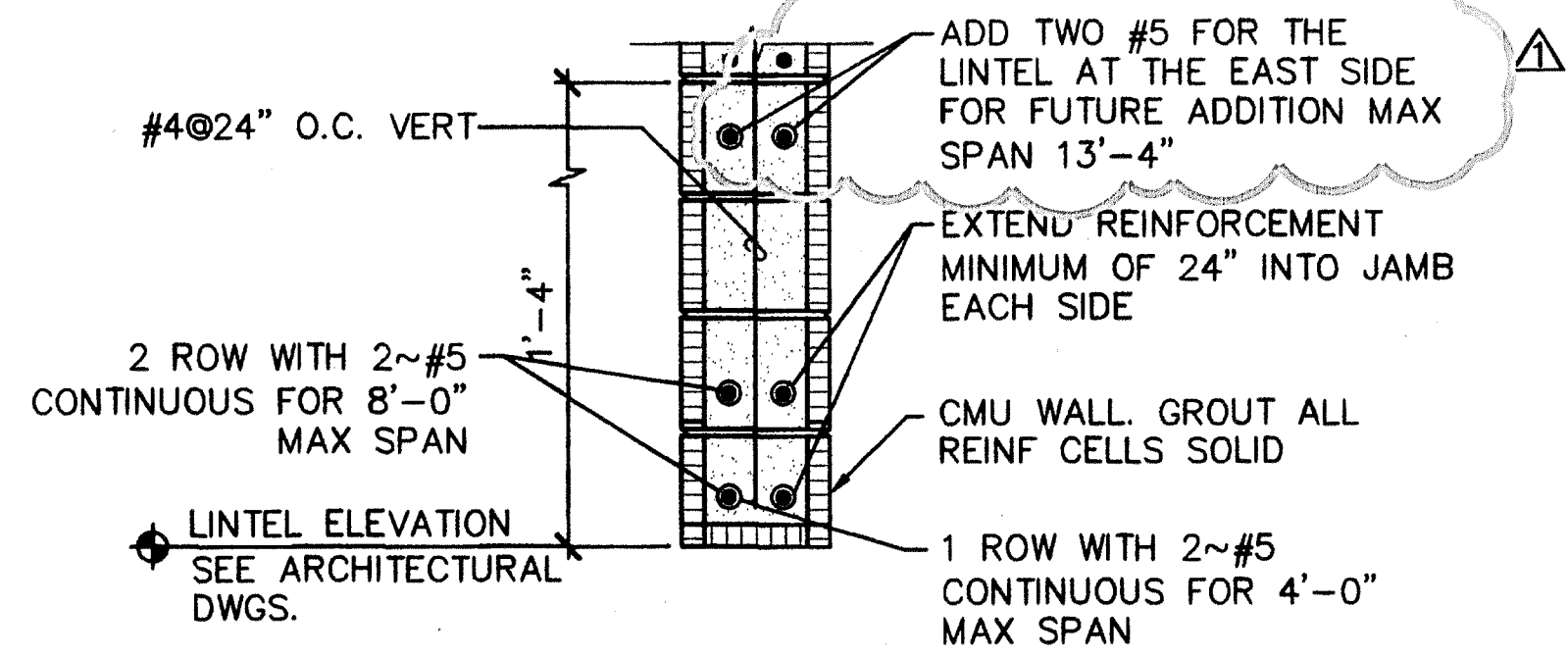
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S-302



## SECTION

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

2  
S-302

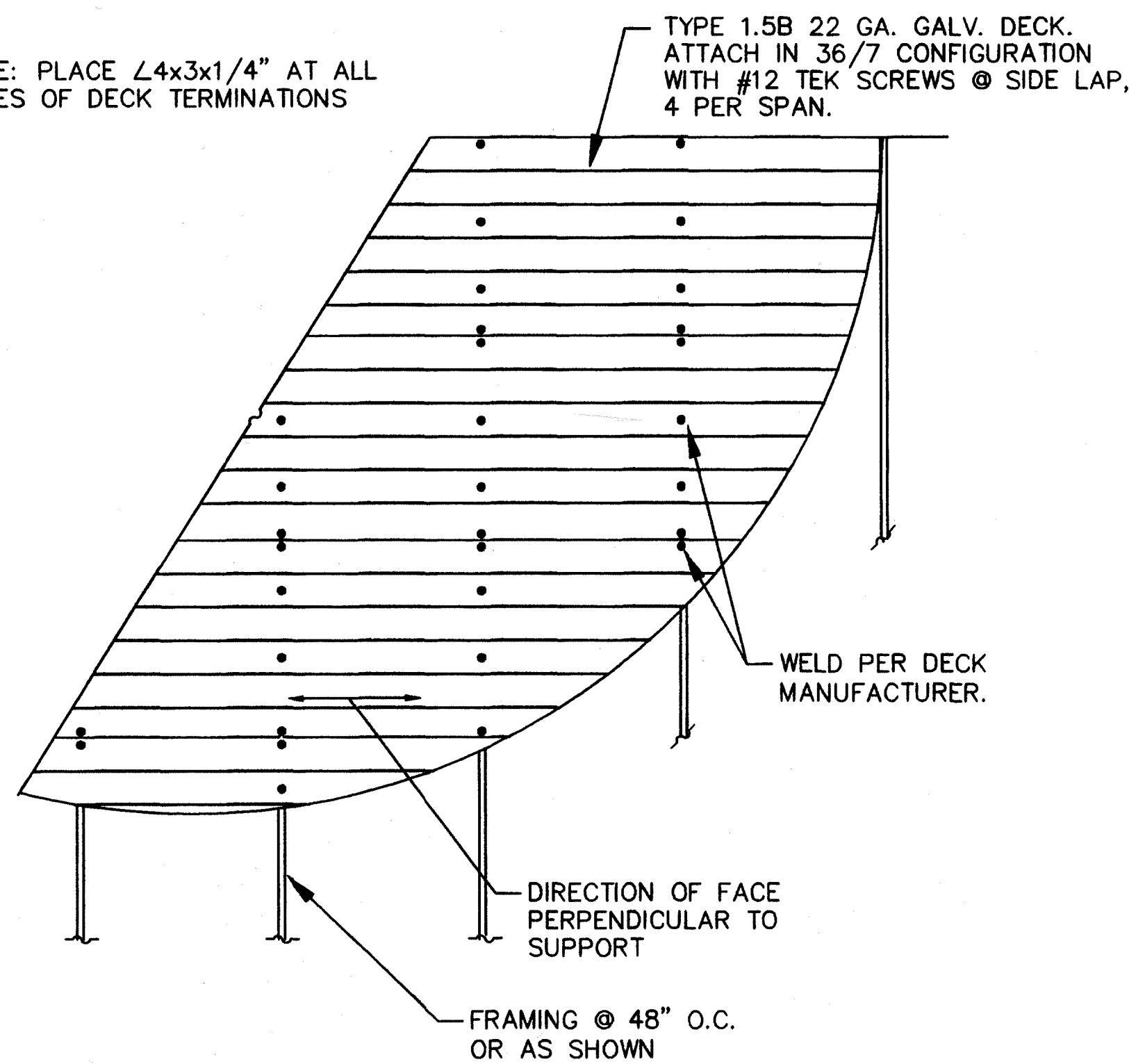


## TYPICAL 8" MASONRY LINTEL DETAIL

SCALE: NONE

3  
S-302

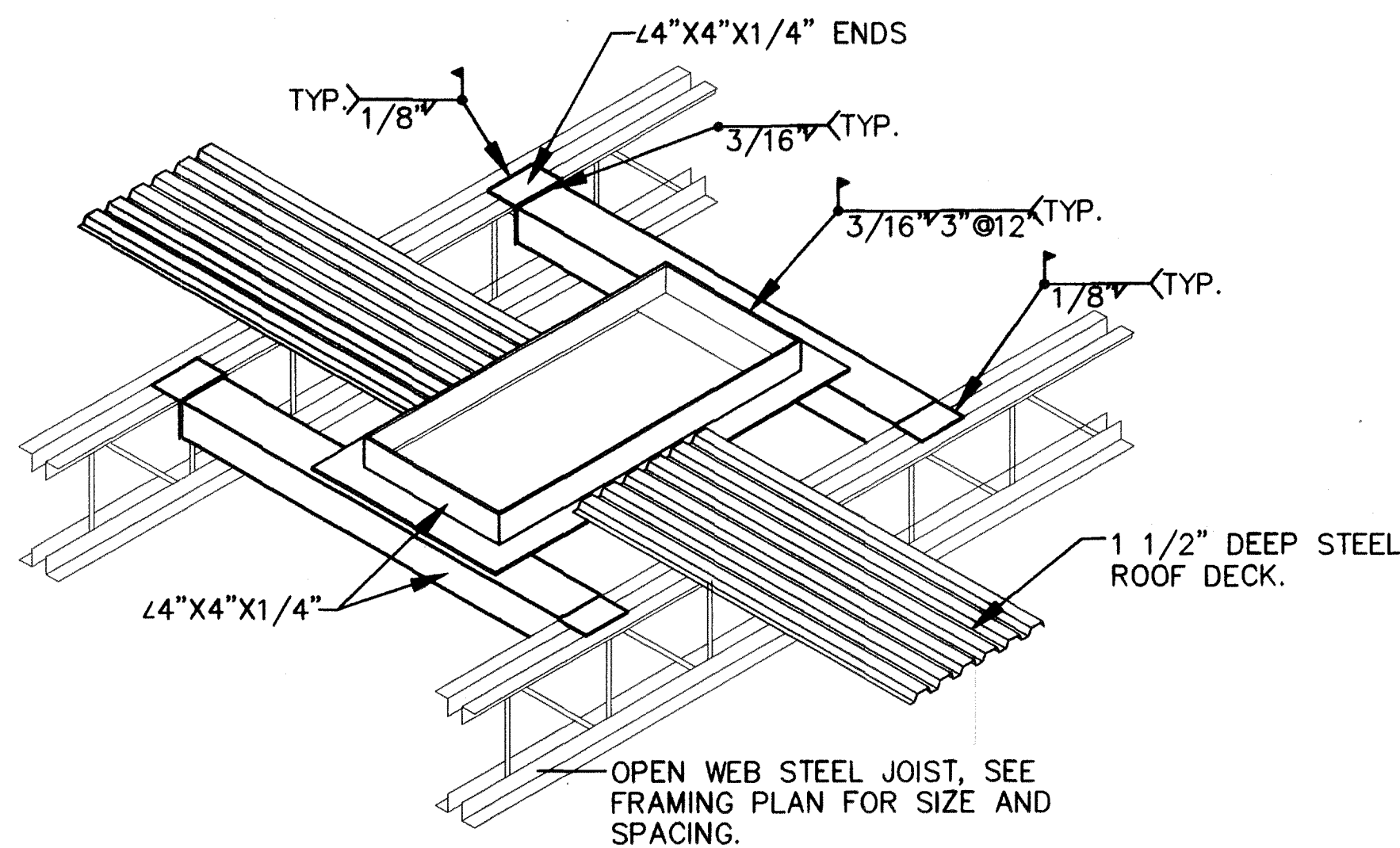
NOTE: PLACE 4x3x1/4" AT ALL EDGES OF DECK TERMINATIONS



## TYPICAL STEEL ROOF DECKING LAYOUT DETAIL

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

4  
S-302



## ROOF PENETRATION DETAIL

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

5  
S-302

NOTE: SCREW TYPES - #12 TEKS, SIDELAP FASTENERS

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## RECORD DRAWING



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION			
STRUCTURAL FRAMING SECTIONS AND DETAILS			
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
725805	E-5 & E-6	S-302	

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

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AB00826-11

REDRAWN FOR RECORD PURPOSES



SYMBOLS LEGEND

SECTION INDICATOR

DETAIL INDICATOR

INTERIOR ELEVATION INDICATOR

ROOM IDENTIFIER

WINDOW TYPE IDENTIFIER  
GLASS BLOCK (G#), AND LOUVER (L#)

DOOR TAG

KEYED NOTE INDICATOR

NAME  
#  
AREA  
OLF  
LOAD

ROOM NAME  
ROOM NUMBER  
ROOM AREA (SQ. FT.)  
OCCUPANT LOAD FACTOR  
TOTAL OCCUPANT LOAD

EXIT DOOR  
OR  
WIDTH

DOOR DESCRIPTION  
EGRESS OCCUPANT LOAD AT DOOR  
DOOR AND EGRESS WIDTH IN INCHES

PORTABLE FIRE EXTINGUISHER  
SEE BUILDING CRITERIA FOR QUANTITY AND TYPE

EXIT TO PUBLIC WAY

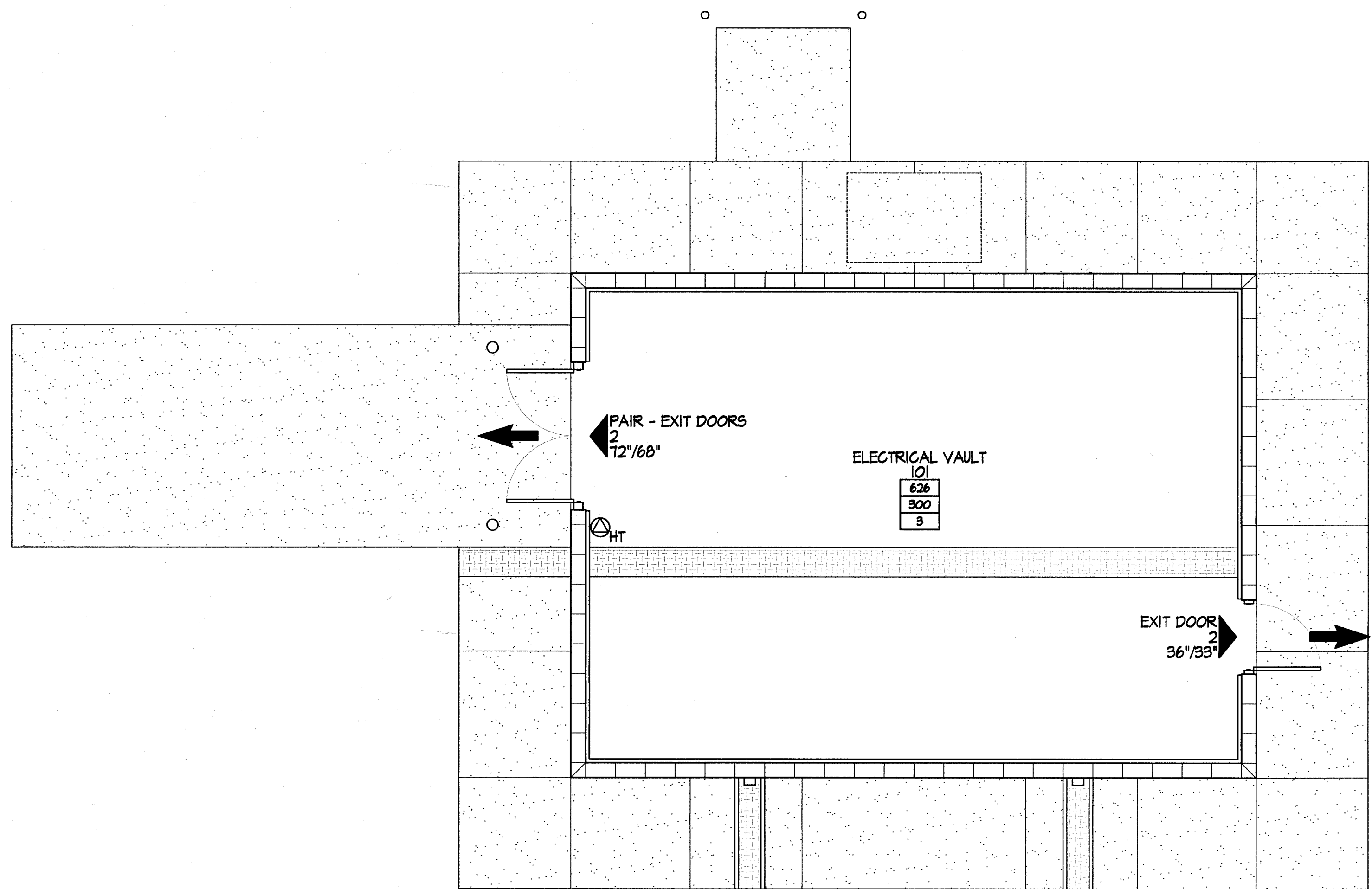
ELEVATION MARKER

WALL MOUNTED LIGHT FIXTURE

INTERIOR CEILING OR PENDANT  
MOUNT LIGHT FIXTURE

BUILDING CRITERIA

CITY OF ALBUQUERQUE AVIATION DEPARTMENT - DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT BUILDING ALBUQUERQUE, NEW MEXICO	
BUILDING CRITERIA per 2006 NMBC, IBC AND IFC	
TYPE	BUILDING USE OCCUPANCY CLASSIFICATION TYPE OF CONSTRUCTION
BUILDING ATTRIBUTES TABLE 503	LOW HAZARD STORAGE S-2 NON-COMBUSTIBLE IIB
EXTERIOR PROTECTION	ALLOWABLE AREA PER FLOOR ALLOWABLE BUILDING HEIGHT
	26,000 SF 4 STORIES / 55 FT
	ACTUAL FLOOR AREA ACTUAL BUILDING HEIGHT
INTERIOR PROTECTION	626 SF 1 STORY / 14 FT
	STRUCTURAL CRITERIA
	SEE SHEET S00-001
DESIGN OCCUPANT LOAD MEANS OF EGRESS	FIRE SEPARATION DISTANCES
	DISTANCE FROM BUILDING FACE TO CLOSEST INTERIOR LOT LINE, CENTER OF PUBLIC WAY, OR MIDPOINT BETWEEN TWO BUILDINGS ON A LOT
	NORTH <30 FT EAST <30 FT SOUTH <30 FT WEST <30 FT
PLUMBING FIXTURES TABLES 2802.1	EXTERIOR WALL FIRE RESISTANCE RATING BASED ON FIRE SEPARATION DISTANCE AND TABLE 602
	NONE REQUIRED
	FIRE SPRINKLERED NOT REQUIRED
PLUMBING FIXTURES TABLES 2802.1	FIRE EXTINGUISHERS per IFC 906
	1 HALATRON
	OCCUPANCY FLOOR AREA FOR MEANS OF EGRESS CALCULATIONS GROSS FLOOR AREA PER OCCUPANT OCCUPANT LOAD MEANS OF EGRESS REQUIRED MEANS OF EGRESS PROVIDED EGRESS WIDTH REQUIRED EGRESS WIDTH PROVIDED
PLUMBING FIXTURES TABLES 2802.1	EQUIPMENT ROOM 626 SF 300 GROSS 3 1 2 32 INCHES CLEAR 1 AT 33 INCHES AND 1 AT 68 INCHES CLEAR
	PLUMBING FACILITIES CLASSIFICATION
	4 INDUSTRIAL
PLUMBING FIXTURES TABLES 2802.1	FACILITIES ARE LOCATED IN EXISTING ON-SAME-SITE FACILITIES
	IBC 2902.4.1 EXCEPTION: NO OTHER PLUMBING FACILITIES WILL BE PROVIDED IF APPROVED BY THE BUILDING OFFICIAL



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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION  
**ELECTRICAL VAULT BUILDING  
CRITERIA/LIFE SAFETY PLAN**

Design Review Committee  
**APPROVED**  
AUG 17 2010  
DESIGN REVIEW COMMITTEE

City Engineer Approval  
**APPROVED**  
AUG 17 2010  
CITY ENGINEER

Lost Design Update

Mo./Day/Yr.

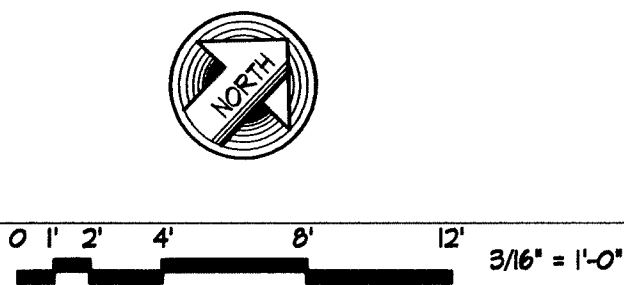
Mo./Day/Yr.

City Project No. 725805

Zone Map No. E-5 & E-6


Sheet A-100 14/27


SAFETY PLAN





**REVISED**


SYMBOLS LEGEND


SECTION INDICATOR


DETAIL INDICATOR


INTERIOR ELEVATION INDICATOR


ROOM IDENTIFIER


WINDOW TYPE IDENTIFIER  
GLASS BLOCK (G#), AND LOUVER (L#)


DOOR TAG


KEYED NOTE INDICATOR

PORTABLE FIRE EXTINGUISHER  
SEE BUILDING CRITERIA FOR QUANTITY AND TYPE

EXIT TO PUBLIC WAY

ELEVATION MARKER

WALL MOUNTED LIGHT FIXTURE

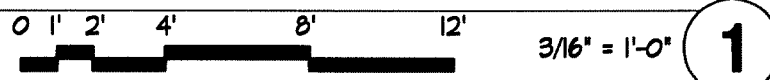
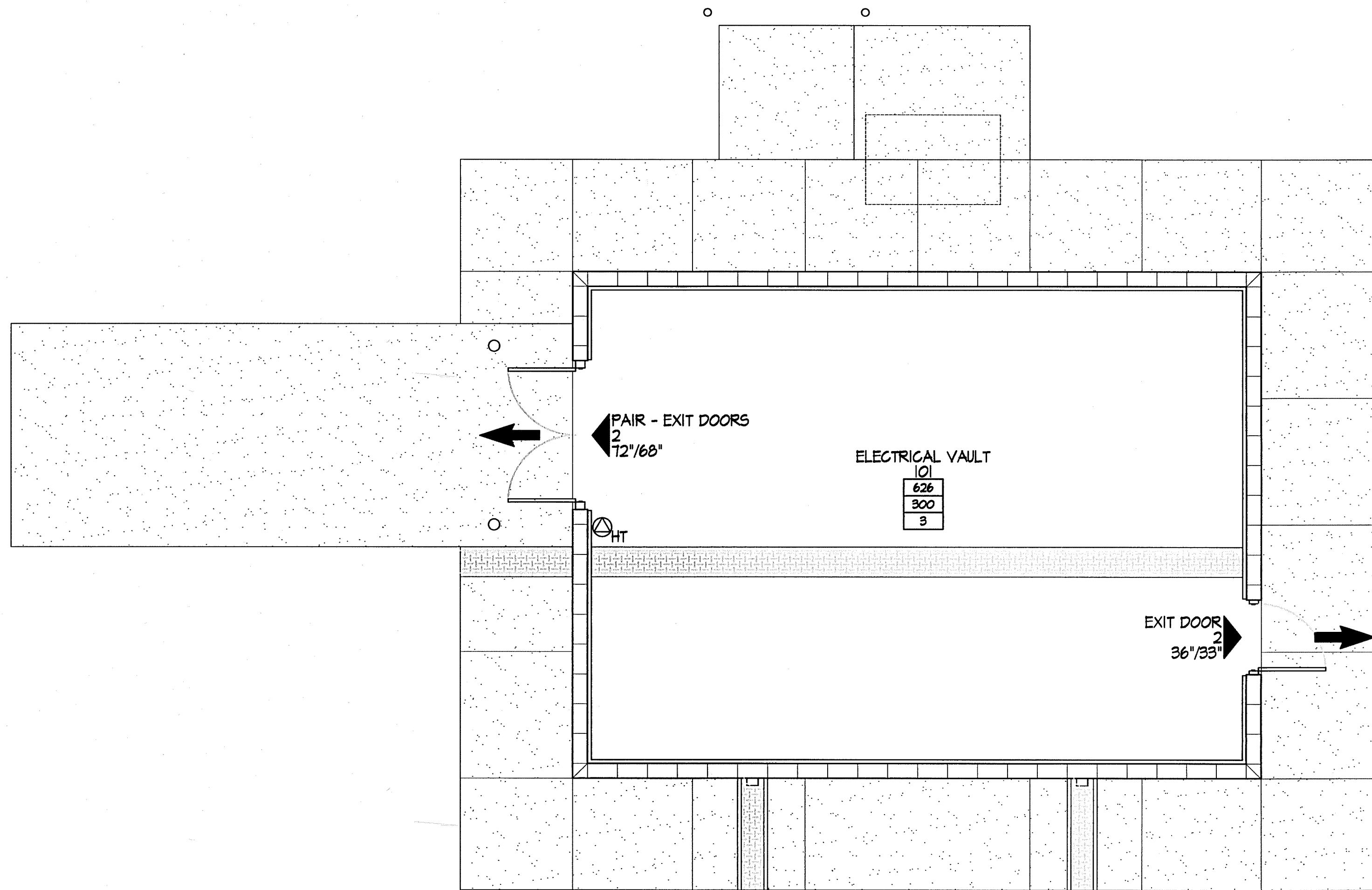
INTERIOR CEILING OR PENDANT  
MOUNT LIGHT FIXTURE

NAME  
#  
AREA  
OLF  
LOAD

ROOM NAME  
ROOM NUMBER  
ROOM AREA (SQ. FT.)  
OCCUPANT LOAD FACTOR  
TOTAL OCCUPANT LOAD

EXIT DOOR  
OL  
WIDTH

DOOR DESCRIPTION  
EGRESS OCCUPANT LOAD AT DOOR  
DOOR AND EGRESS WIDTH IN INCHES



SAFETY PLAN

BUILDING CRITERIA

CITY OF ALBUQUERQUE AVIATION DEPARTMENT - DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT BUILDING ALBUQUERQUE, NEW MEXICO	
BUILDING CRITERIA per 2006 NMBC, IBC AND IFC	
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	STRUCTURAL CRITERIA
	SEE SHEET S00-001
DESIGN OCCUPANT LOAD MEANS OF EGRESS	FIRE SEPARATION DISTANCES
	DISTANCE FROM BUILDING FACE TO CLOSEST INTERIOR LOT LINE, CENTER OF PUBLIC WAY, OR MIDPOINT BETWEEN TWO BUILDINGS ON A LOT
	NORTH EAST SOUTH WEST
PLUMBING FIXTURES TABLES 2002.1	<30 FT <30 FT <30 FT <30 FT
	EXTERIOR WALL FIRE RESISTANCE RATING BASED ON FIRE SEPARATION DISTANCE AND TABLE 602
	NONE REQUIRED
FIRE SPRINKLERED	FIRE EXTINGUISHERS per IFC 906
	NOT REQUIRED
	1 HALATRON
OCCUPANCY FLOOR AREA FOR MEANS OF EGRESS CALCULATIONS GROSS FLOOR AREA PER OCCUPANT OCCUPANT LOAD MEANS OF EGRESS REQUIRED MEANS OF EGRESS PROVIDED EGRESS WIDTH REQUIRED EGRESS WIDTH PROVIDED	EQUIPMENT ROOM 626 SF 300 GROSS 3 1 2 32 INCHES CLEAR 1 AT 33 INCHES AND 1 AT 68 INCHES CLEAR
	PLUMBING FACILITIES CLASSIFICATION
	4 INDUSTRIAL
FACILITIES ARE LOCATED IN EXISTING ON-SAME-SITE FACILITIES	IBC 2902.4.1 EXCEPTION: NO OTHER PLUMBING FACILITIES WILL BE PROVIDED IF APPROVED BY THE BUILDING OFFICIAL

2701 MILES RD SE  
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FAX: 505.242-0673

**MOLZEN-CORBIN & Associates**  
ENGINEERS/ARCHITECTS/PLANNERS

RECORD DRAWING

DATE: 10/2011

DRAWN BY: MOLZEN CORBIN

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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION  
ELECTRICAL VAULT BUILDING  
CRITERIA/LIFE SAFETY PLAN

Design Review Committee

City Engineer Approval

Last Design Update

Mo./Day/Yr.

Mo./Day/Yr.

City Project No.

Zone Map No.

Sheet

Of

725805

E-5 & E-6

A-100

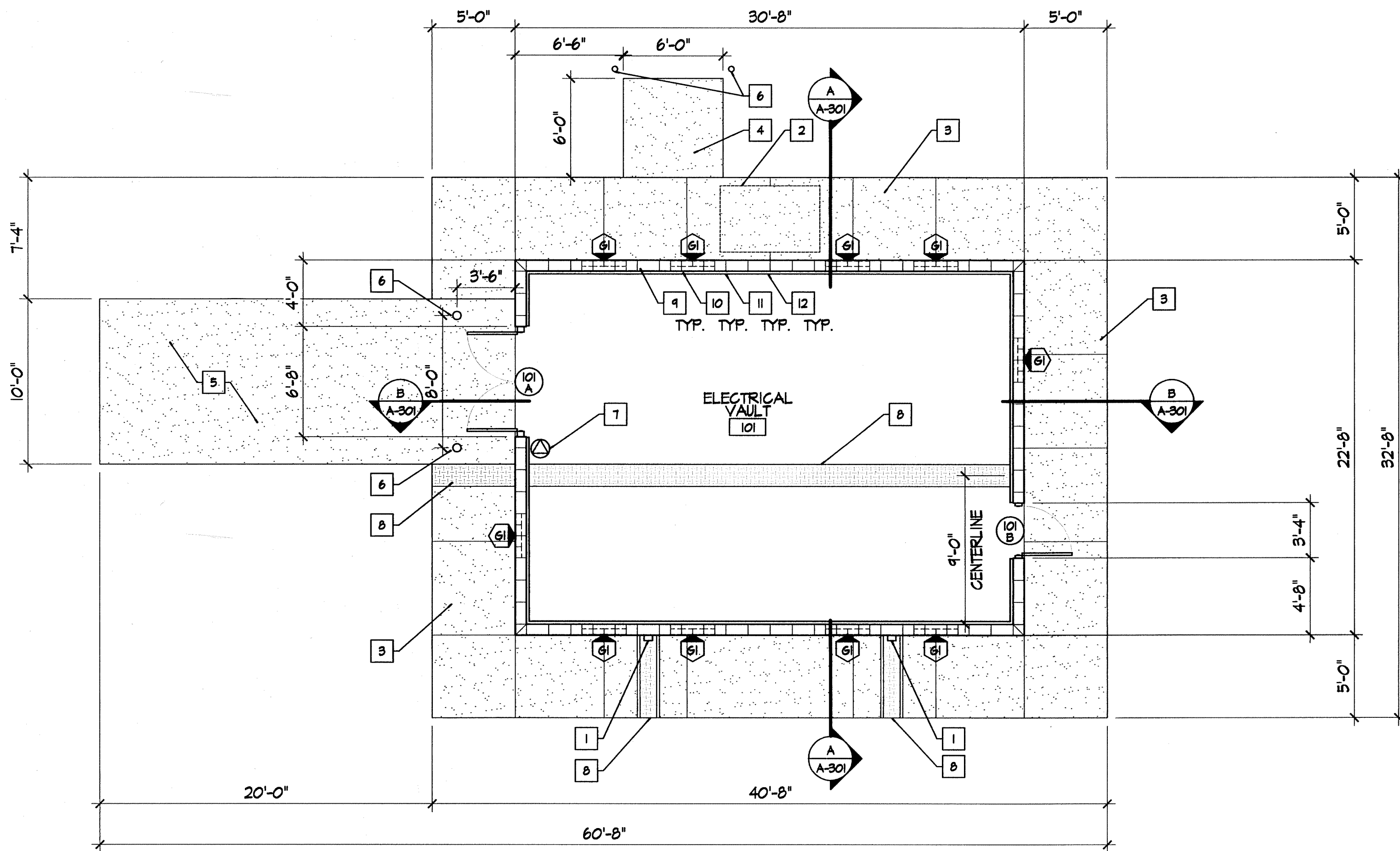
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REDRAWN FOR RECORD PURPOSES

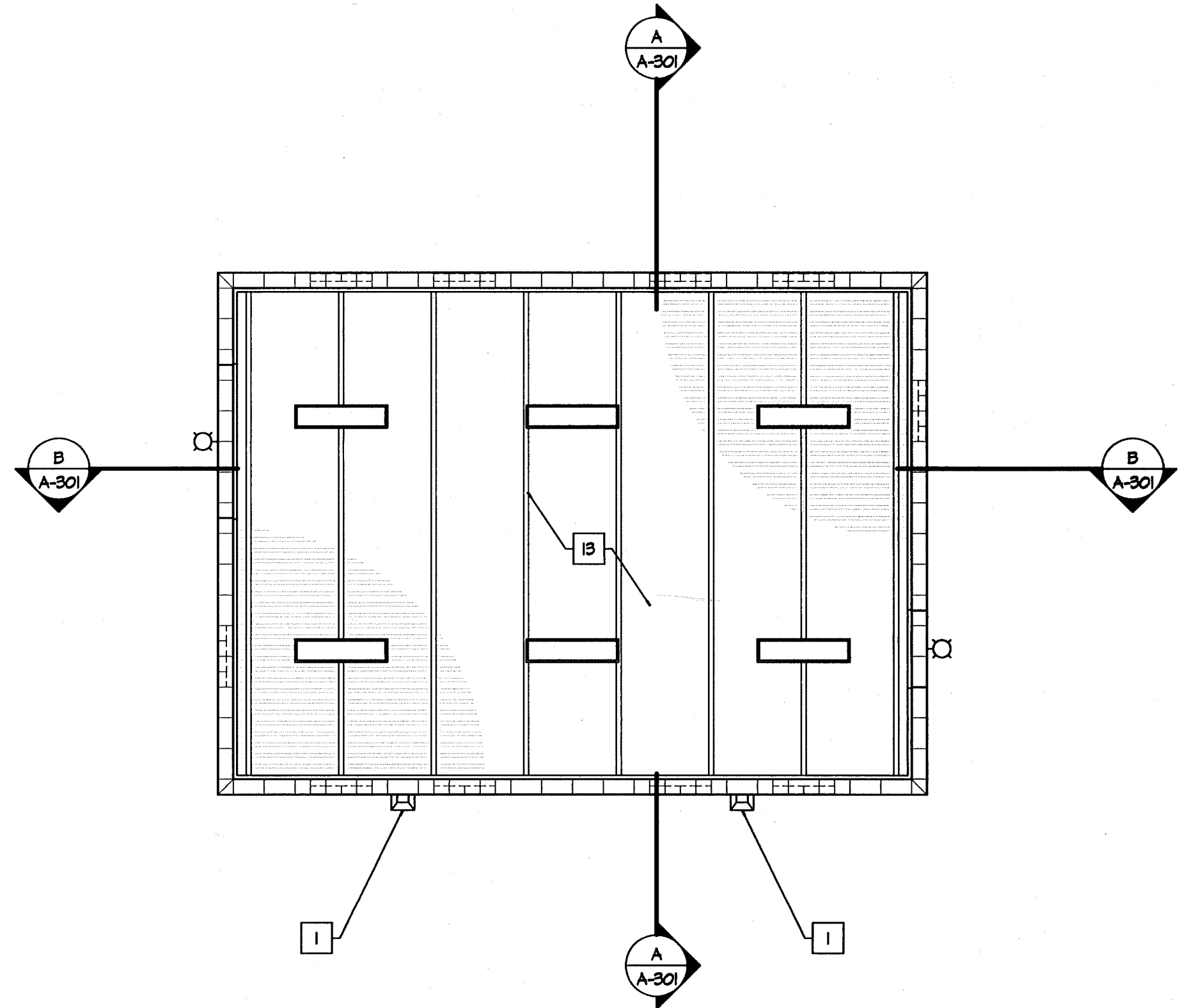
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STARTED BY	LONE MOUNTAIN
DATE	DATE
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NO.	BY
ENGINEER'S SEAL	
NO.	DATE
REMARKS	BY
DESIGN	DATE
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

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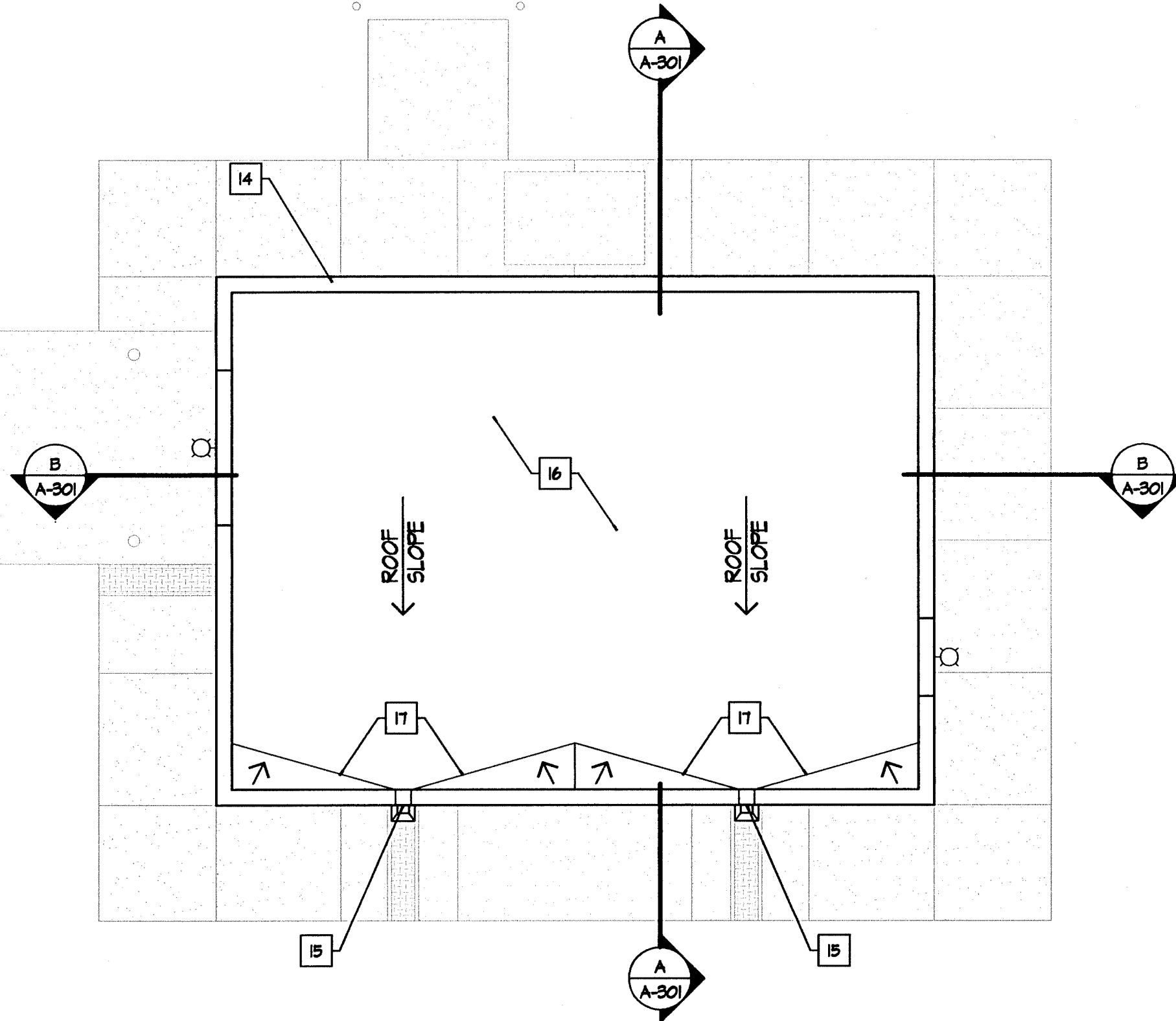




**FLOOR PLAN**



**REFLECTED CEILING PLAN**



**ROOF PLAN**

**GENERAL NOTES:**

- SEE ELEVATIONS FOR LOCATION OF GLASS BLOCK PANELS
- INTERIOR CONCRETE SLAB TO BE FINISHED WITH AN WATER BASED EPOXY FLOOR COATING
- SEE ELECTRICAL DWGS FOR EQPM & LIGHTING LAYOUT

**KEYED NOTES:**

- MTL DOWNSPOUT, PAINTED
- CONC PAD FOR HVAC EQPM 6" LARGER THAN EQPM SPEC'D, AND 2" HIGHER THAN CONC WALK, SEE MECH/STRUCT DWGS
- CONC WALK AND APRON, SEE STRUCT/CIVIL DWGS
- CONC PAD FOR ELECT EQPM, SEE STRUCT DWGS
- THICKENED REINFORCED CONC DRIVE PAD
- CONC FILLED BOLLARD, SEE STRUCT & CIVIL DWGS
- HALOTRON FIRE EXTINGUISHER W/SIGN "FOR ELECTRICAL FIRE"
- MTL PLATE OVER CONC FLOOR TRENCH
- 8" CMU EXTERIOR WALL, SEE STRUCT DWGS FOR GROUT AND REINFORCING
- 2" Z-FURRING CHANNEL FRAMING, 20 GA., FULL HEIGHT 16" O.C.
- 2" FOIL FACED POLYISO RIGID INSULATION BD
- 1/2" GYP BD FINISH, PAINTED
- METAL JOIST AND UNDERSIDE OF MTL DECKING, PAINTED
- MTL PARAPET CAP, PAINTED, TYP
- THROUGH WALL MTL SCUPPER AND CONDUCTOR HEAD
- SINGLE-PLY ROOFING SYSTEM
- TAPERED INSULATION

**SYMBOLS LEGEND:**

- INTERIOR CEILING OR PENDANT MOUNTED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- ILLUMINATED EXIT SIGN

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PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION  
**ELECTRICAL VAULT BUILDING  
FLOOR PLAN**

Design Review Committee  
**APPROVED**  
AUG 17 2010  
DESIGN REVIEW COMMITTEE

City Engineer Approval  
**APPROVED**  
AUG 17 2010  
CITY ENGINEER

City Project No. **725805**

Zone Map No. **E-5 & E-6**

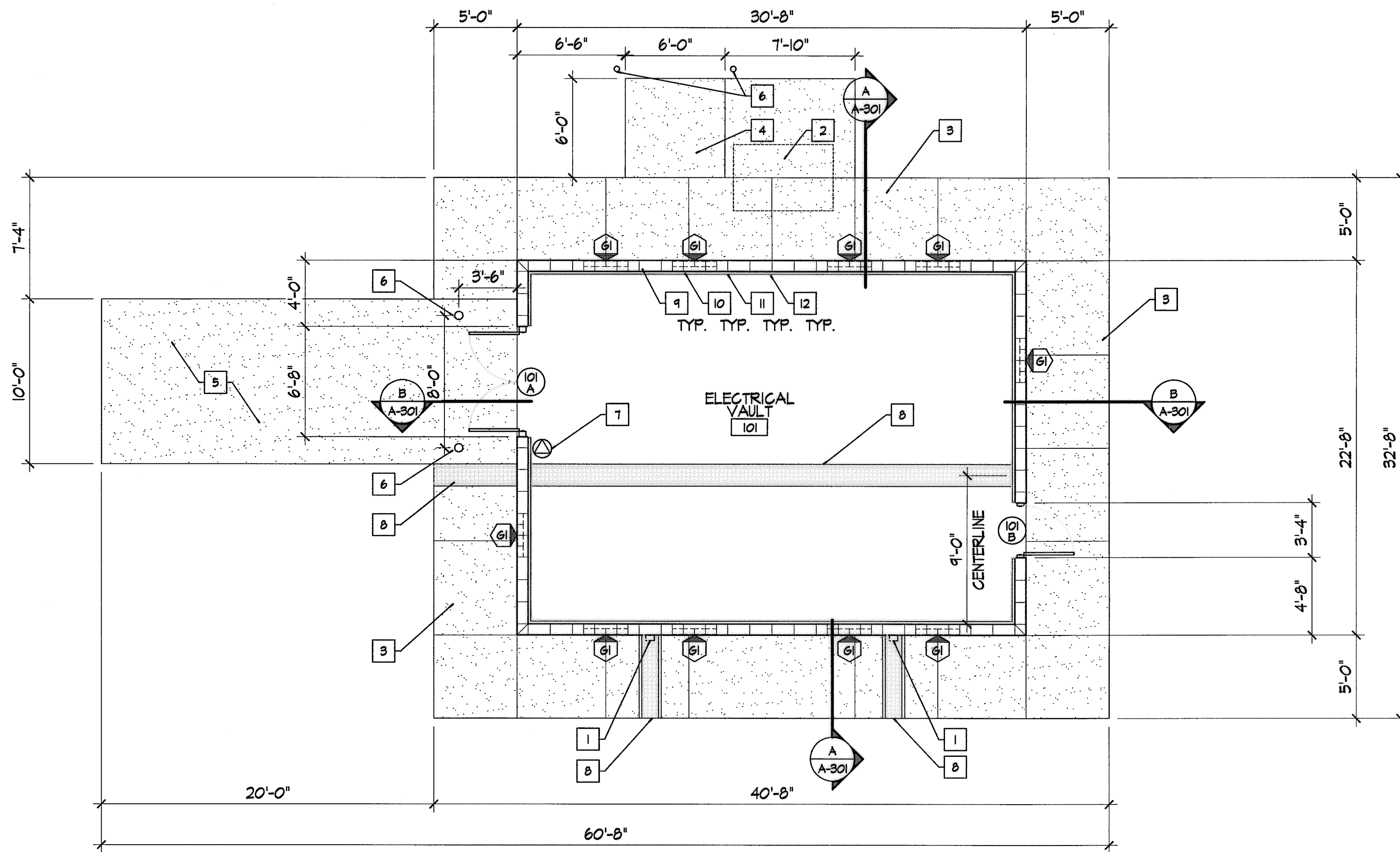
Sheet **A-10** 15/27

AS BUILT INFORMATION			
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STARTED BY	DATE	BY	NO.
INSURANCE BY	DATE	BY	NO.
FIELD ACCEPTANCE BY	DATE	BY	NO.
DRAWINGS	DATE	BY	NO.
CORRECTED BY	DATE	BY	NO.
MICRO-FILM INFORMATION			
RECORDED BY	DATE	BY	NO.
NO.			

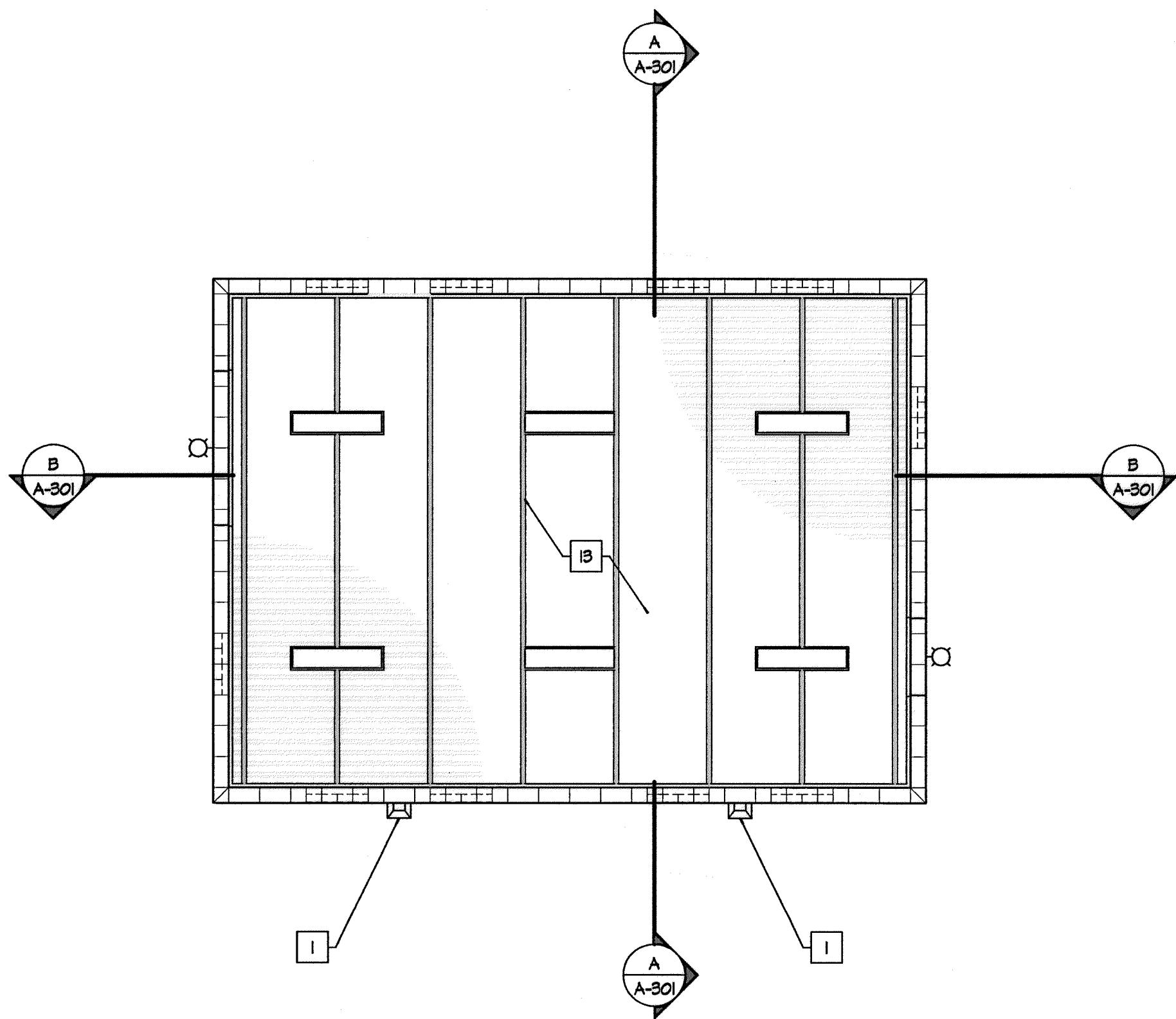
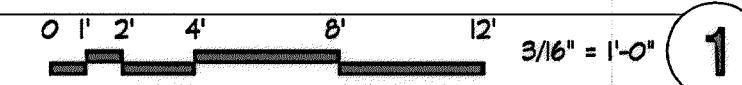
STATE OF NEW MEXICO  
**JOHN QUINN PATE**  
NO. 1784  
REGISTERED ARCHITECT

REVISIONS			
NO.	DATE	REMARKS	BY
		DESIGN	
DESIGNED BY	DATE		
DRAWN BY	DATE		
CHECKED BY	DATE		

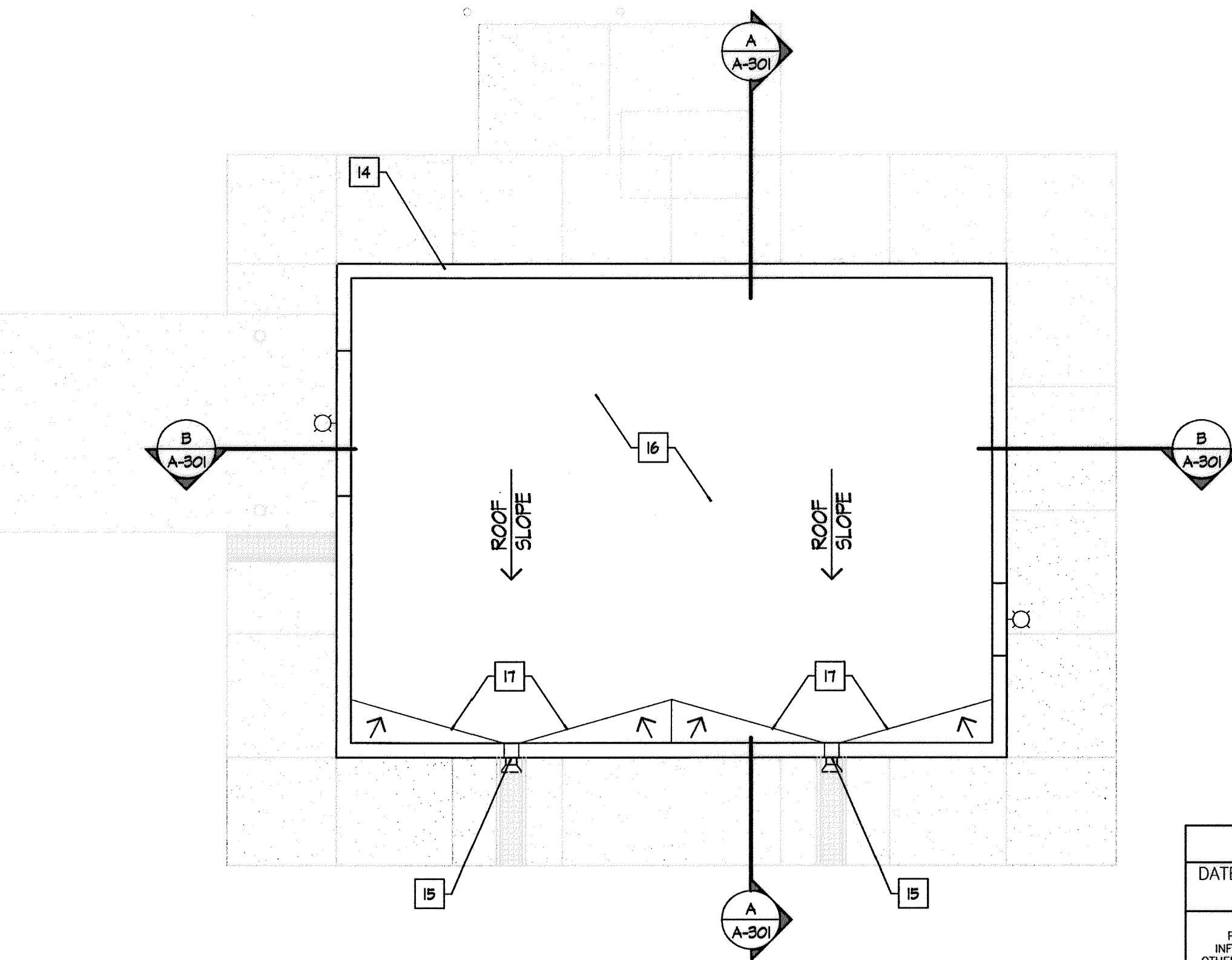
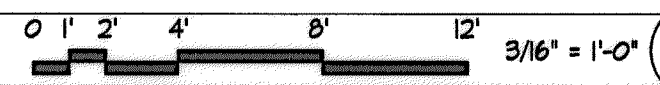
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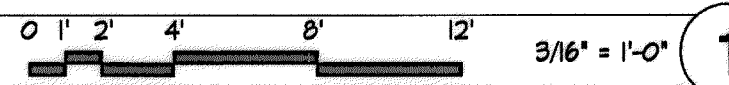
FLOOR PLAN



REFLECTED CEILING PLAN



ROOF PLAN



RECORD DRAWING  
DATE: 10/2011  
DRAWN BY: MOLZEN CORBIN

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GENERAL NOTES:

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- C. SEE ELECTRICAL DWGS FOR EQPM & LIGHTING LAYOUT

KEYED NOTES:

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- 6 CONC FILLED BOLLARD, SEE STRUCT & CIVIL DWGS
- 7 HALOTRON FIRE EXTINGUISHER W/SIGN "FOR ELECTRICAL FIRE"
- 8 MTL PLATE OVER CONC FLOOR TRENCH
- 9 8" CMU EXTERIOR WALL, SEE STRUCT DWGS FOR GROUT AND REINFORCING
- 10 2" Z-FURRING CHANNEL FRAMING, 20 GA., FULL HEIGHT 16" O.C.
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- 13 METAL JOIST AND UNDERSIDE OF MTL DECKING, PAINTED
- 14 MTL PARAPET CAP, PAINTED, TYP
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SYMBOLS LEGEND:

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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

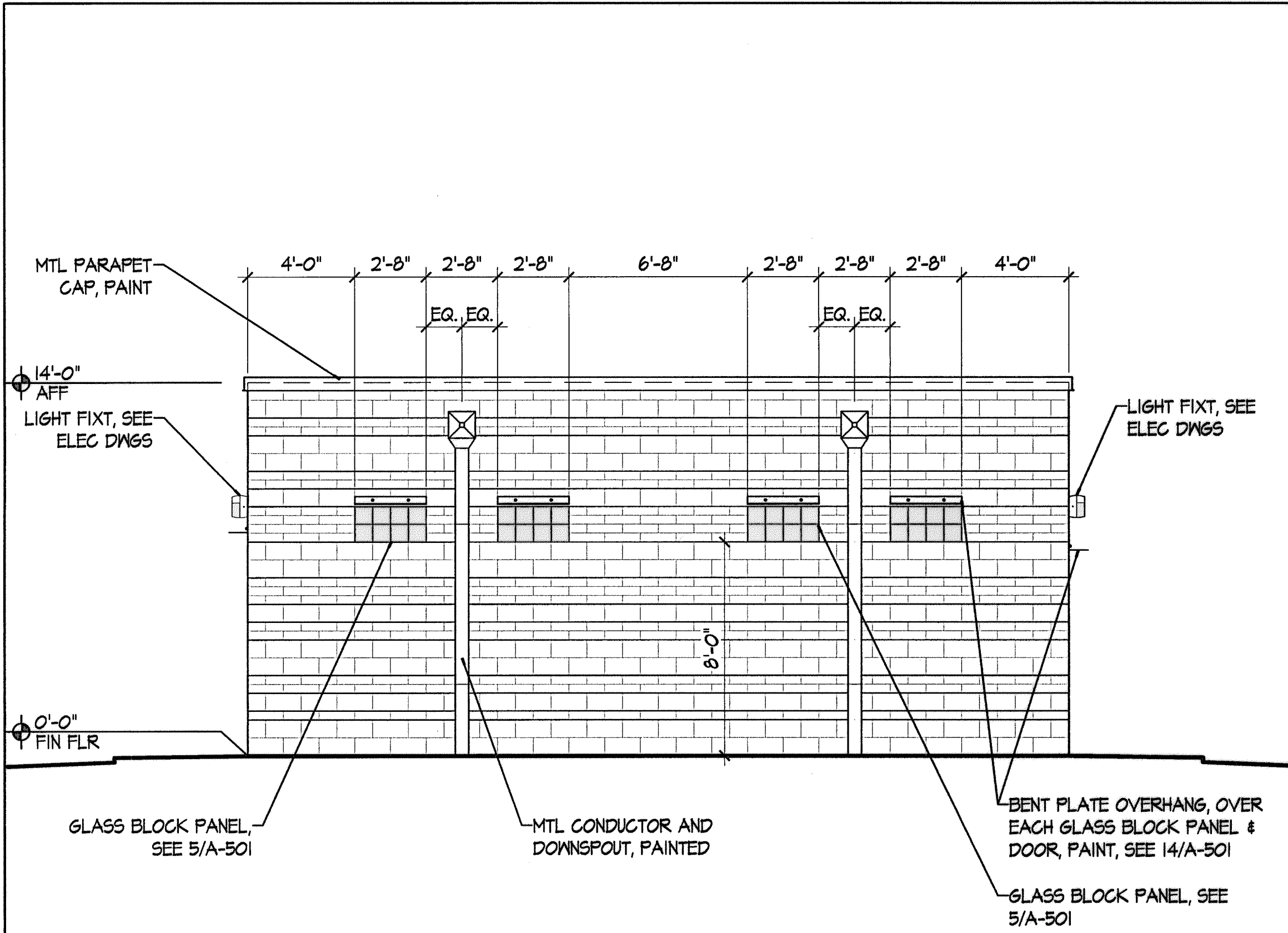
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION

**ELECTRICAL VAULT BUILDING  
FLOOR PLAN**

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
725805	E-5 & E-6	A-101	15/27

REDRAWN FOR RECORD PURPOSES



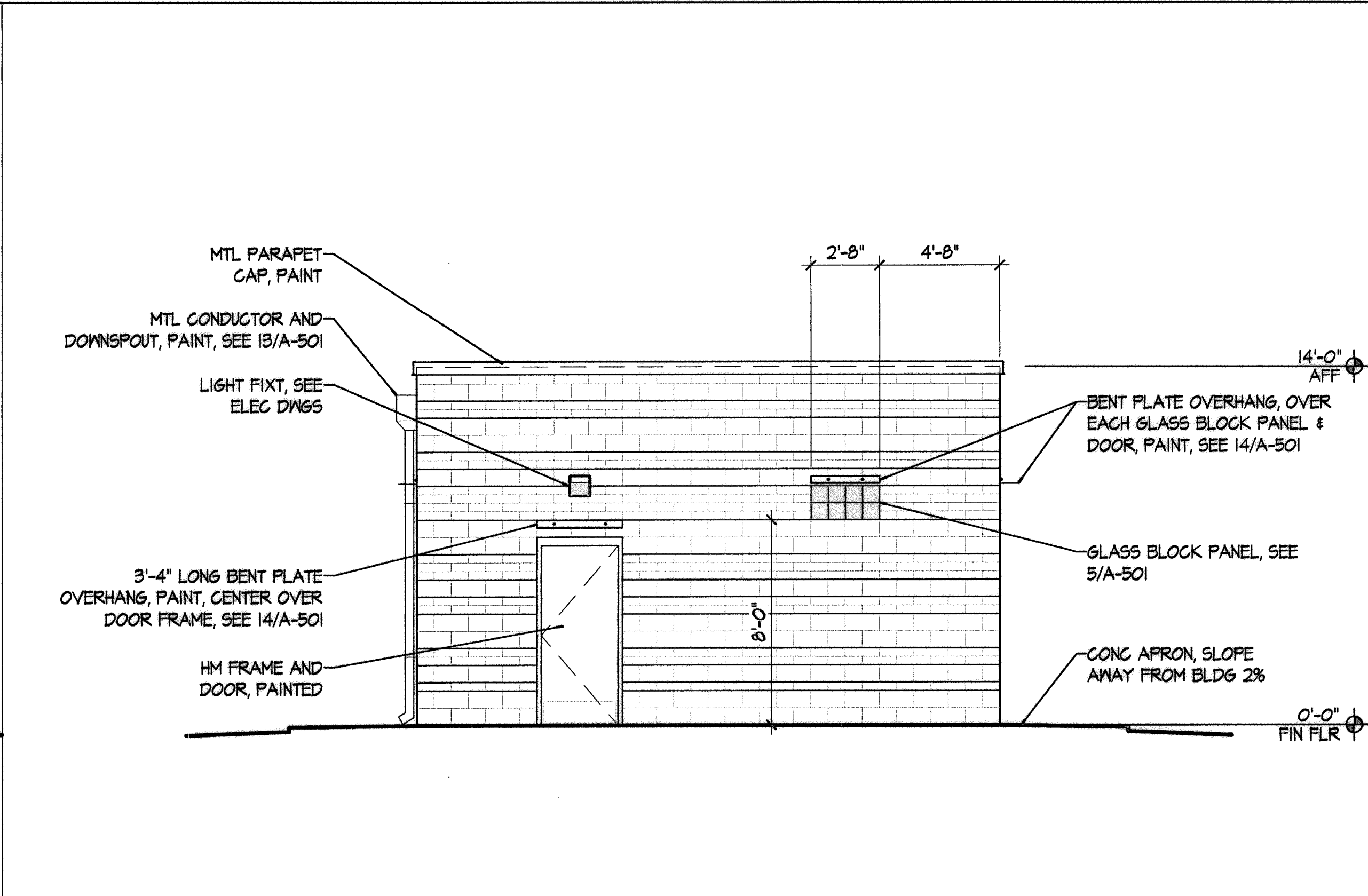


\* SEE 5/A-201 FOR BLOCK PATTERN AND COLOR

**SOUTH ELEVATION**

1/4" = 1'-0"

3

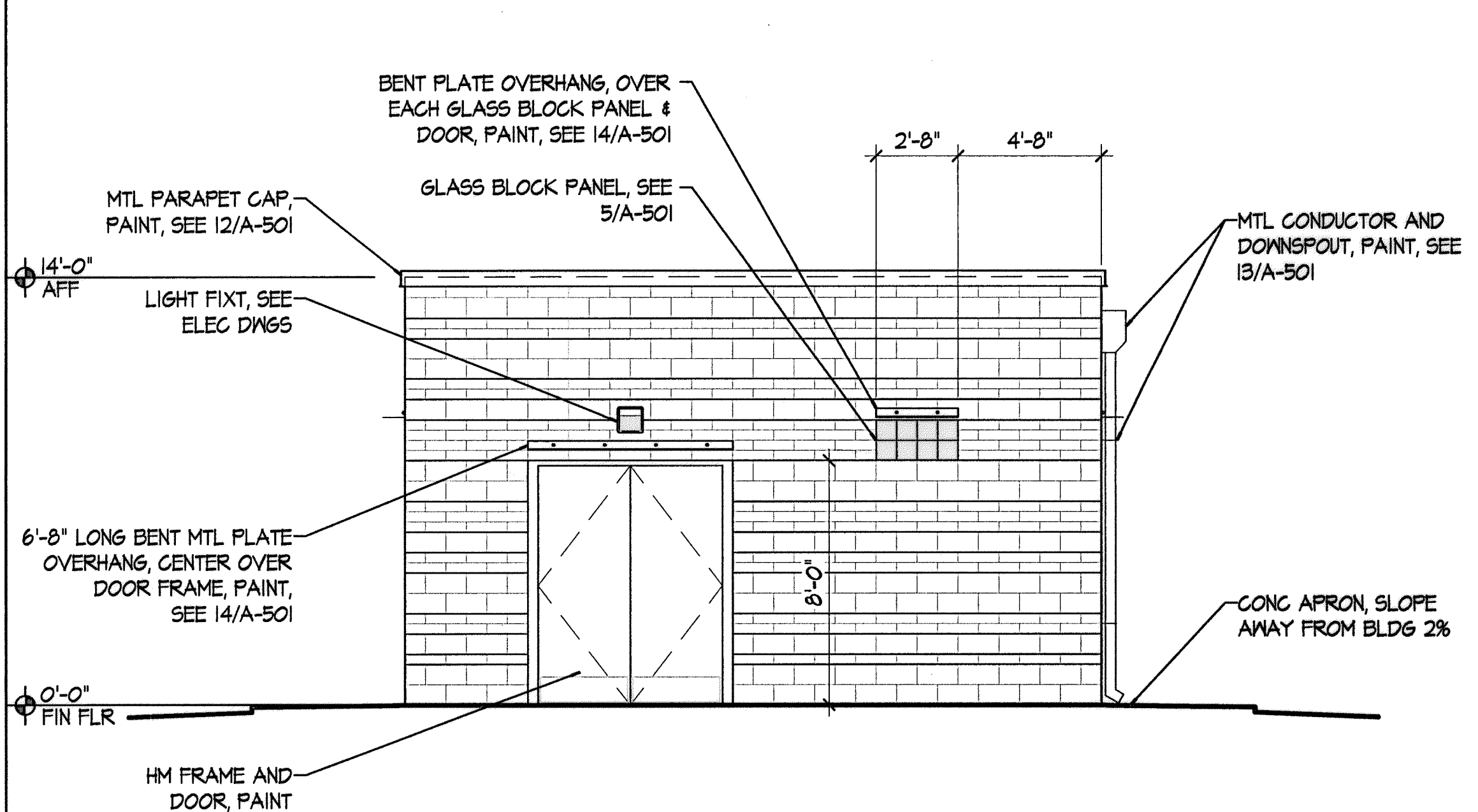


\* SEE 5/A-201 FOR BLOCK PATTERN AND COLOR

**EAST ELEVATION**

1/4" = 1'-0"

1

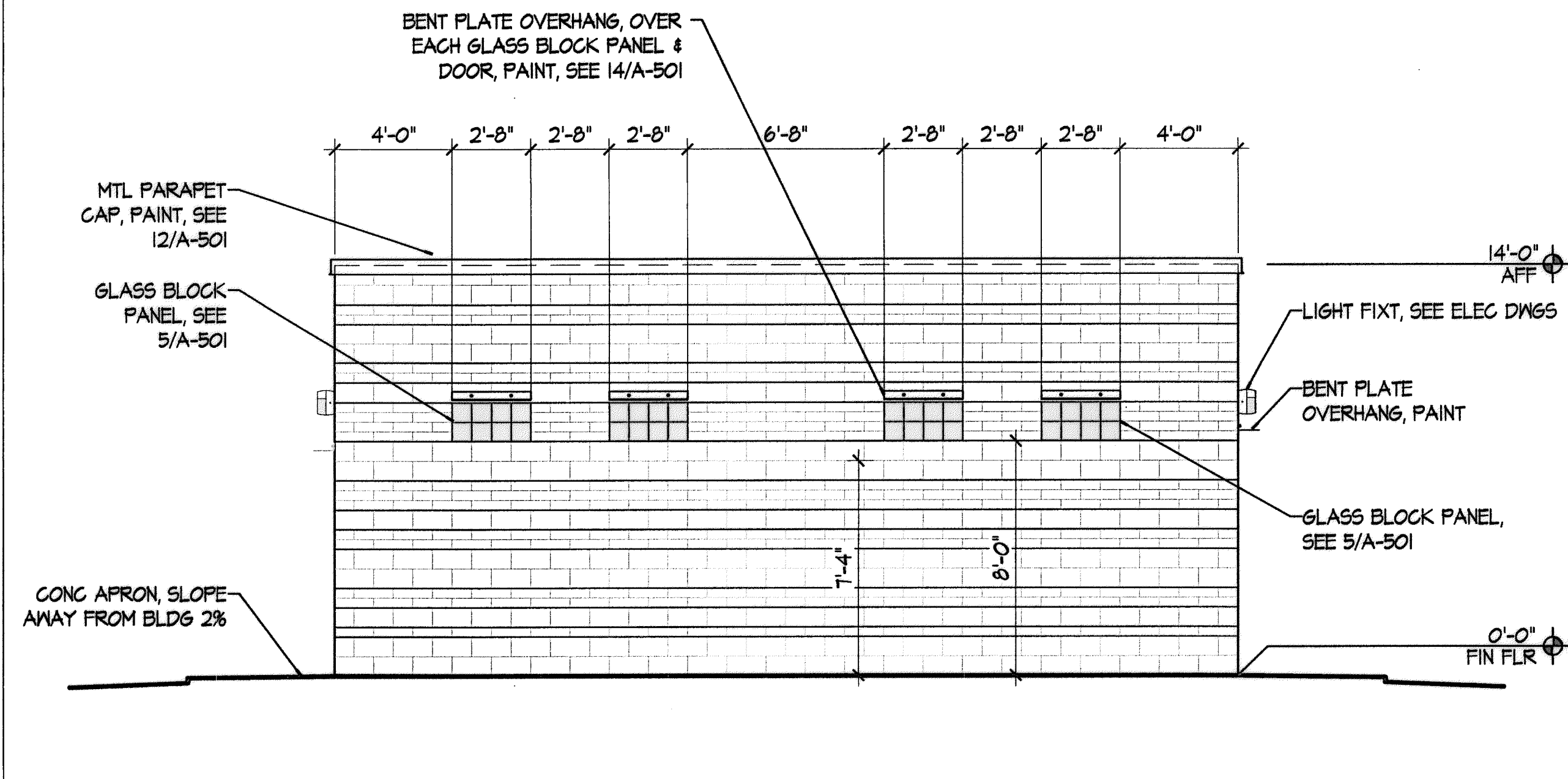


\* SEE 5/A-201 FOR BLOCK PATTERN AND COLOR

**WEST ELEVATION**

1/4" = 1'-0"

4

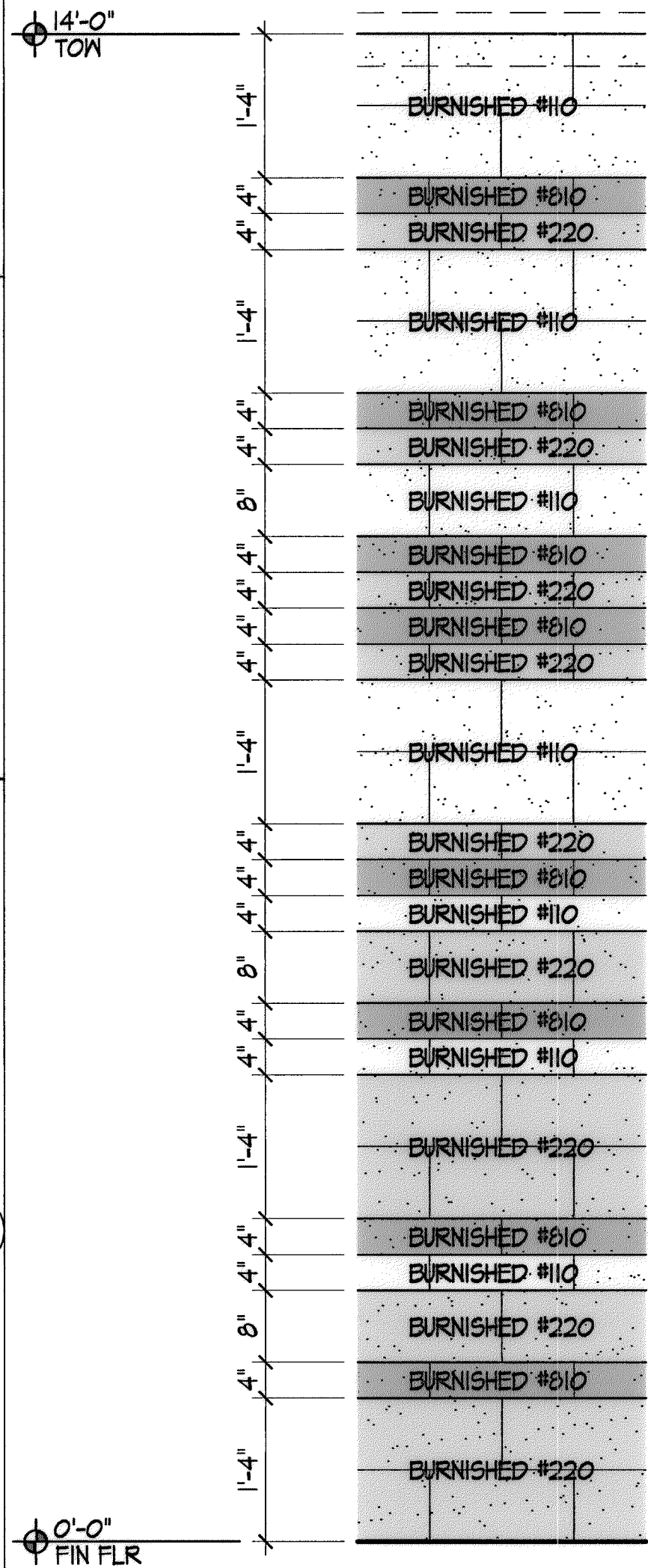


\* SEE 5/A-201 FOR BLOCK PATTERN AND COLOR

**NORTH ELEVATION**

1/4" = 1'-0"

2



BLOCK PATTERN/COLOR DESIGN BASED ON UTILITY BLOCK COLOR LEGEND

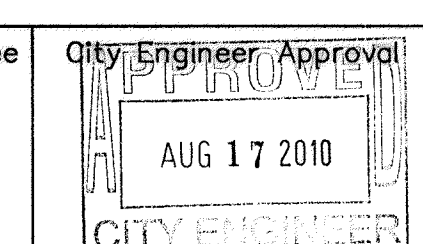
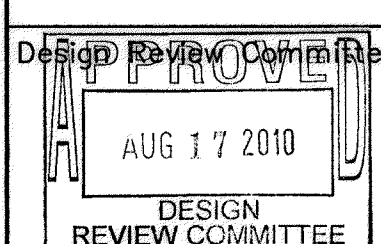
**BLOCK PATTERN**

5

**EXTERIOR FINISH SCHEDULE**

MATERIAL	COLOR
BURNISHED CMU	LT BROWN LT GREY DK GREY
DOORS, TRIM & EXTERIOR METAL	LT GREY

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP  
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION  
**ELECTRICAL VAULT BUILDING**  
**EXTERIOR**  
**BUILDING ELEVATIONS**



City Project No. 725805

Zone Map No. E-5 & E-6

Sheet A-201 16/27

AS BUILT INFORMATION

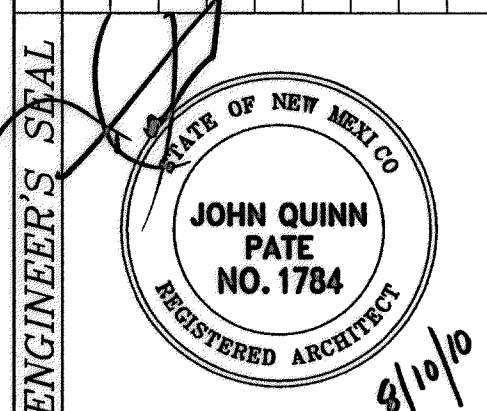
CONTRACTOR	WORK
STARTED BY	DATE
ACCEPTANCE BY	DATE
FIELD BY	DATE
DRAWINGS BY	DATE
CHECKED BY	DATE
RECORDED BY	DATE

BENCH MARKS

EAGLE AIR: N=508716.173; E=480267.340
ELEV.=5800.50
N 93 A: N=510472.458; E=480106.729
NMI STATE PLANE COORDS, NAD 83 NAVD88

SURVEY INFORMATION

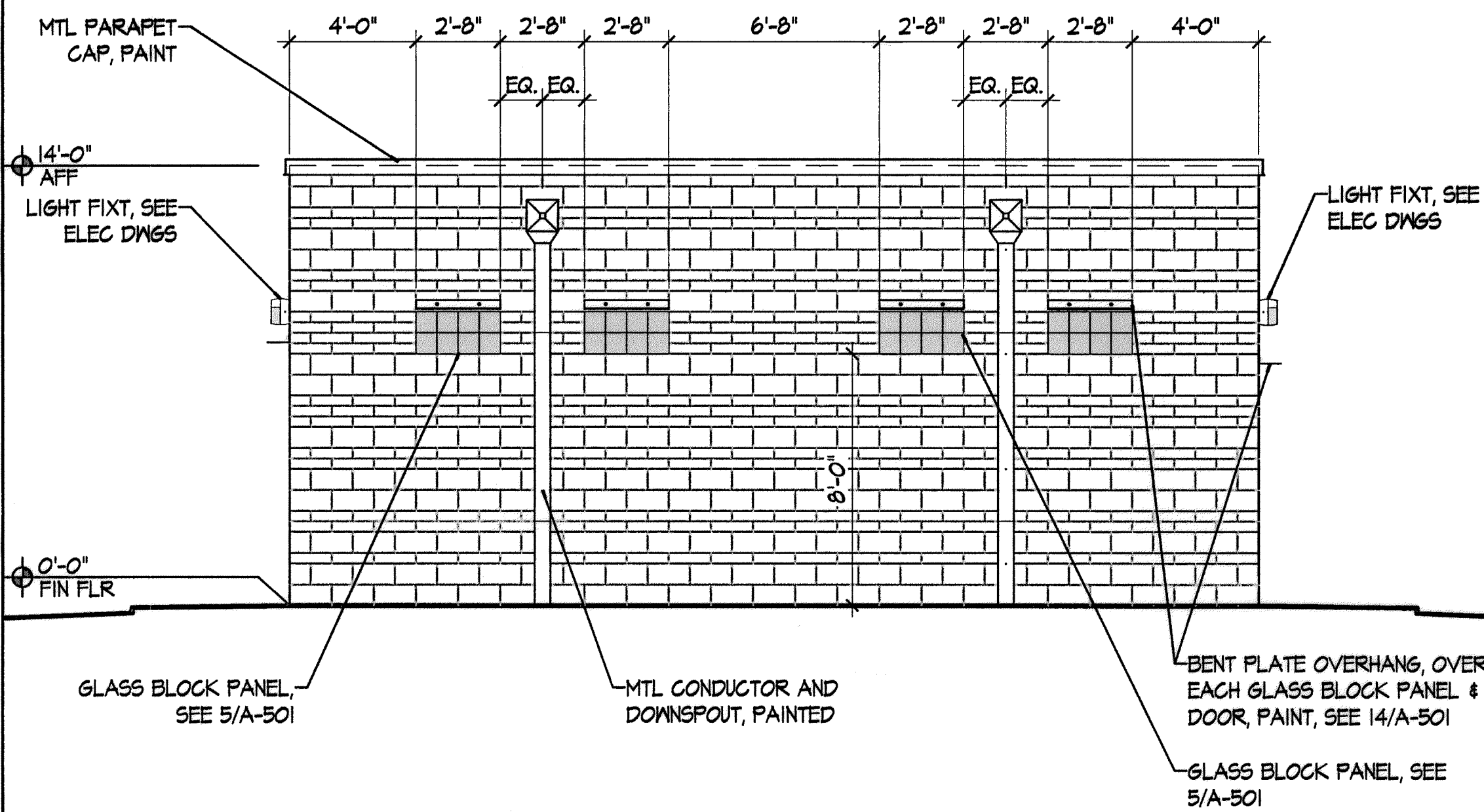
FIELD NOTES	DATE
NO.	BY



NO.	DATE	REMARKS	BY
		DESIGN	
	06/14/2010		
	06/14/2010		
	06/14/2010		

REVISED



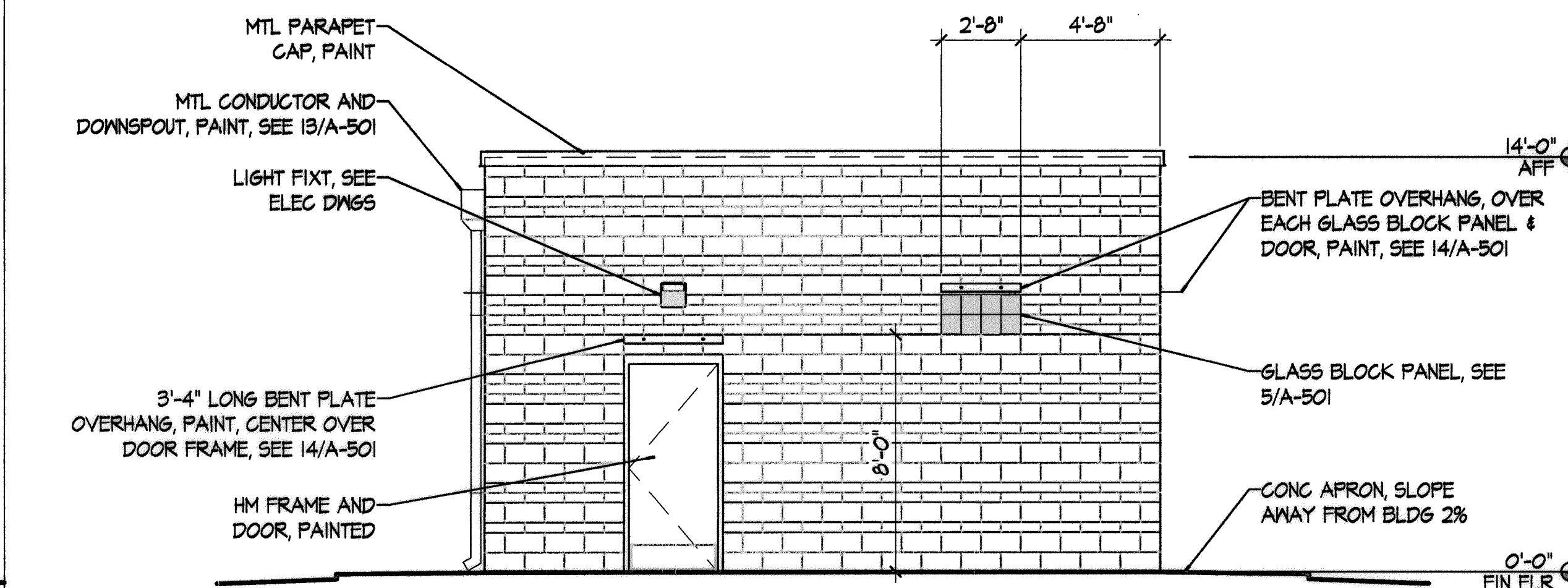


\* SEE 5/A-201 FOR BLOCK PATTERN AND COLOR

## SOUTH ELEVATION

1/4" = 1'-0"

3

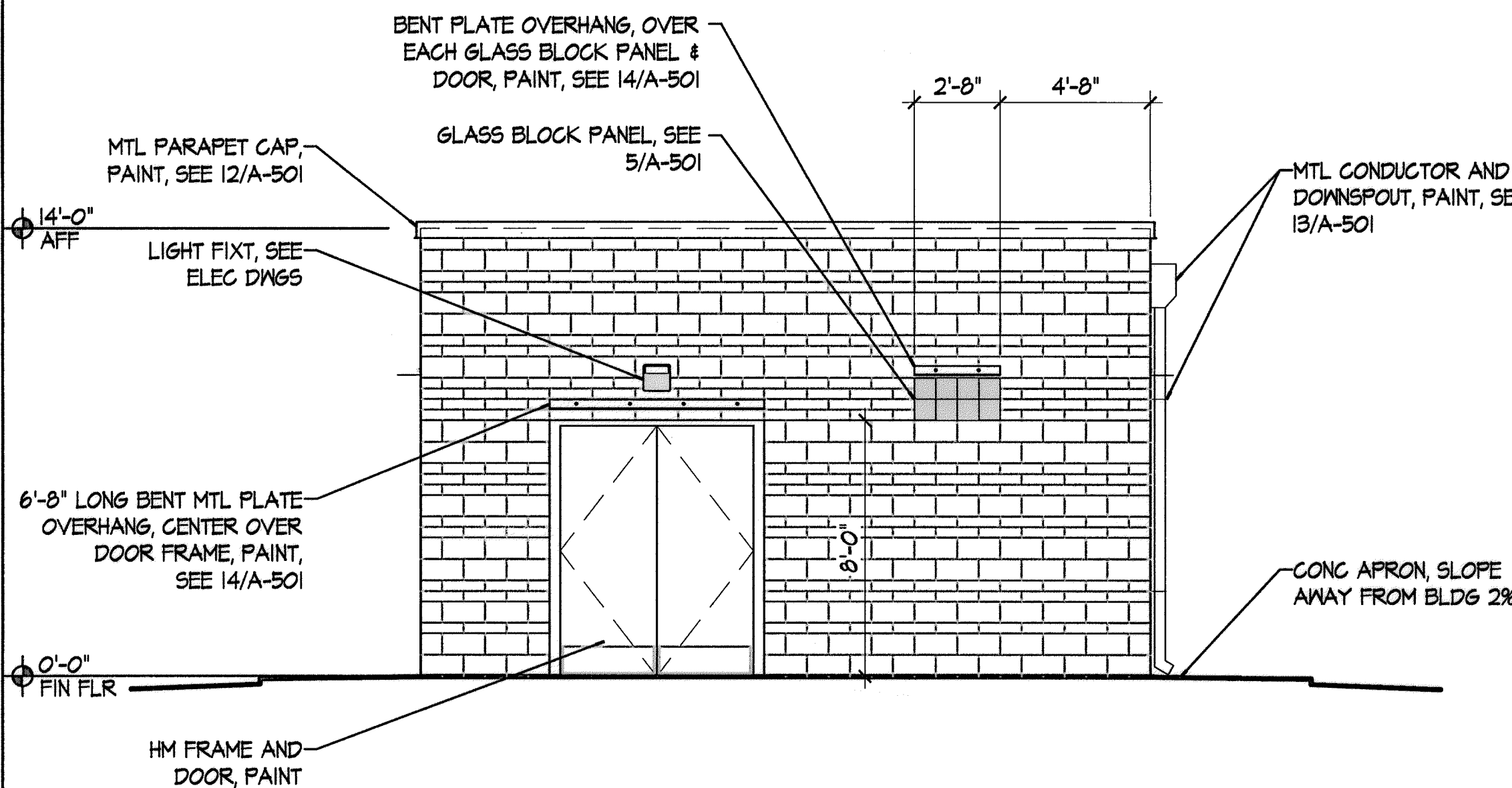


\* SEE 5/A-201 FOR BLOCK PATTERN AND COLOR

## EAST ELEVATION

1/4" = 1'-0"

1

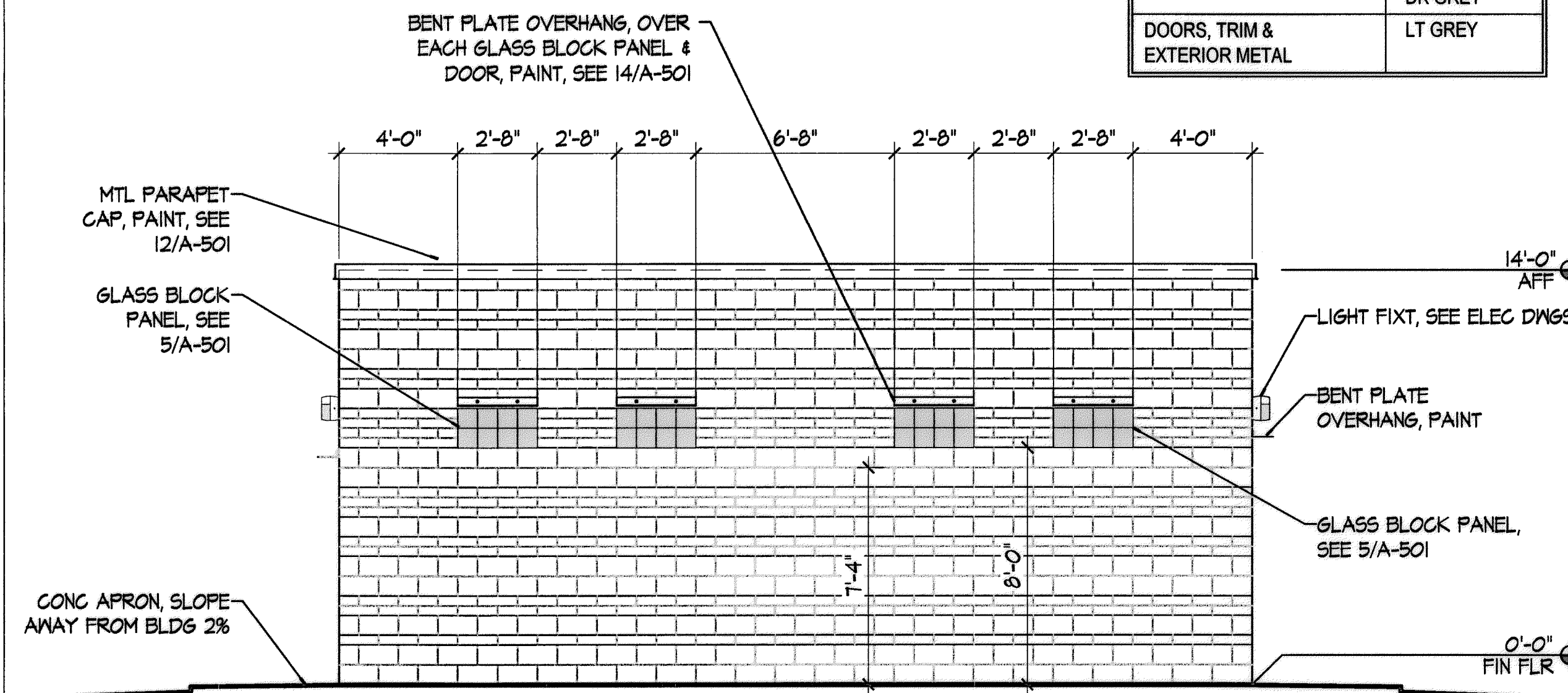


\* SEE 5/A-201 FOR BLOCK PATTERN AND COLOR

## WEST ELEVATION

1/4" = 1'-0"

4



\* SEE 5/A-201 FOR BLOCK PATTERN AND COLOR

## NORTH ELEVATION

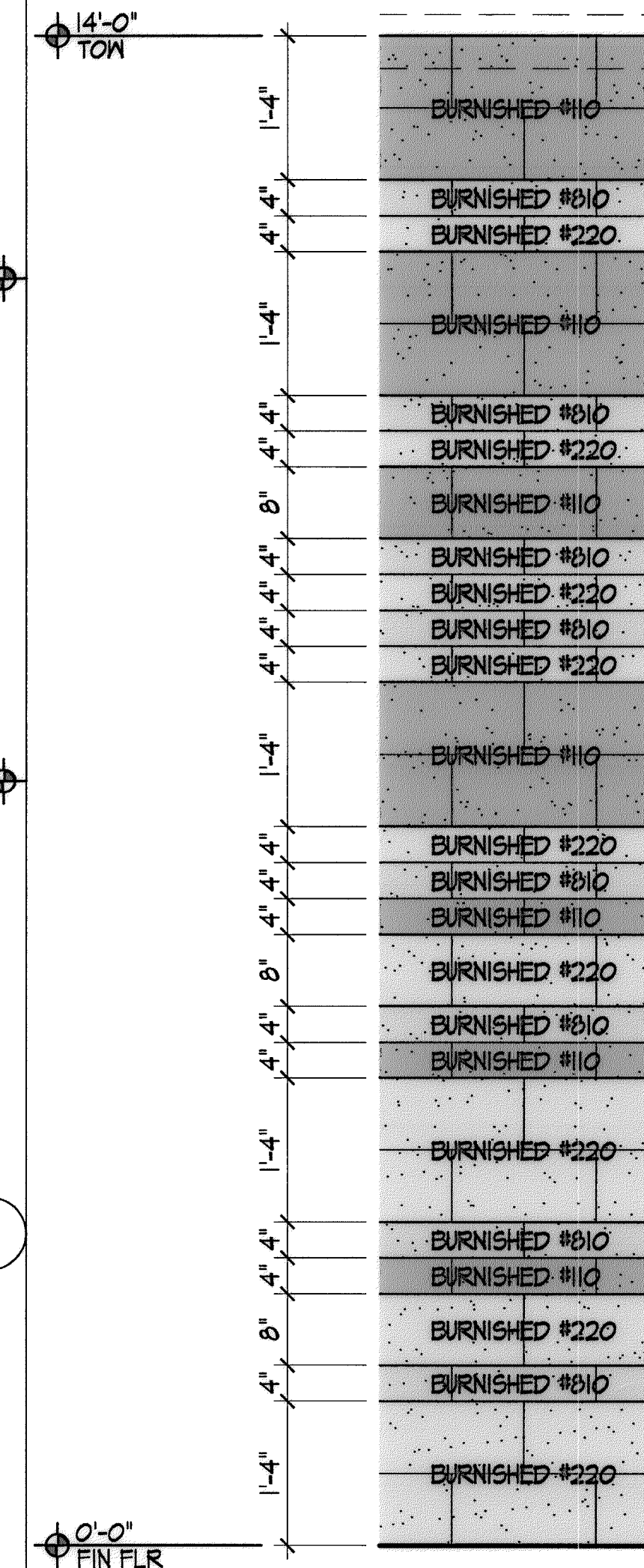
1/4" = 1'-0"

2

### EXTERIOR FINISH SCHEDULE

MATERIAL	COLOR
BURNISHED CMU	LT BROWN LT GREY DK GREY
DOORS, TRIM & EXTERIOR METAL	LT GREY

RECORD DRAWING	
DATE:	DRAWN BY:
10/2011	MOLZEN CORBIN
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. MOLZEN-CORBIN AND ASSOCIATES WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.	



BLOCK PATTERN/COLOR DESIGN BASED ON UTILITY BLOCK COLOR LEGEND

## BLOCK PATTERN

5

2701 MILES RD SE  
ALBUQUERQUE, NM 87106  
TEL: 505.242.5700  
FAX: 505.242.0673

**MOLZEN-CORBIN & Associates**  
ENGINEERS/ARCHITECTS/PLANNERS

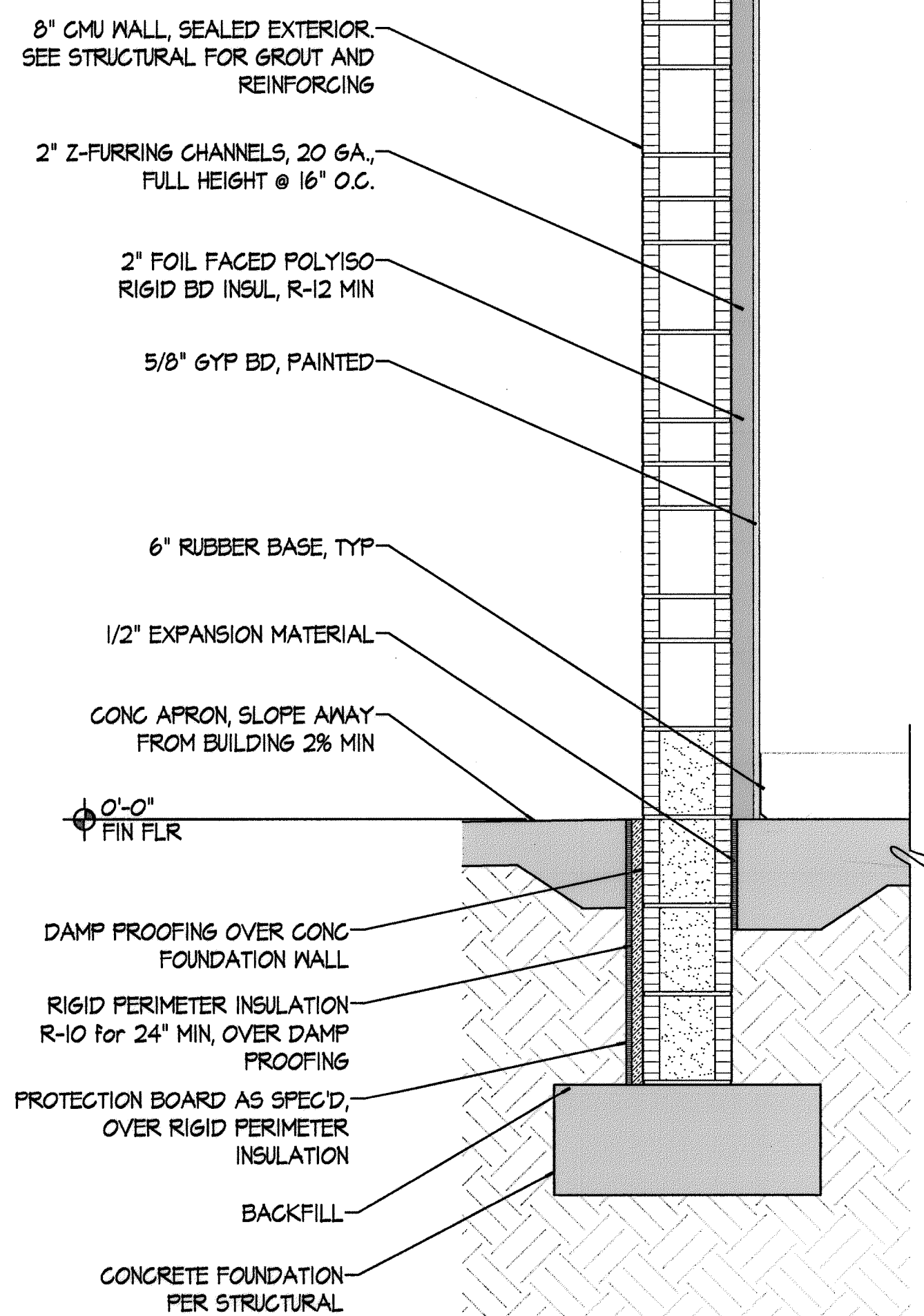
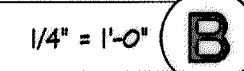
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP		TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION <b>ELECTRICAL VAULT BUILDING EXTERIOR BUILDING ELEVATIONS</b>	
Design Review Committee	City Engineer Approval	City Project No. 725805	Zone Map No. E-5 & E-6
Last Design Update		Sheet A-201	Of 16/27
Mo./Day/Yr.		Mo./Day/Yr.	
DESIGNED BY: MCA		DATE: 06/14/2010	
DRAWN BY: A. ARANDA III		DATE: 06/14/2010	
CHECKED BY: J.Q. PATE		DATE: 06/14/2010	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	LOVE MOUNTAIN CONTRACTING, INC.	EAGLE AIR	N=508716.173, E=480267.340	FIELD NOTES	NO.	BY	DATE
STARTED BY	LOVE MOUNTAIN	ELEV.	5800.50				
FINISHED BY	LOVE MOUNTAIN	N 93 A	N=510472.458, E=480106.729				
DATE	DATE	DATE	DATE				
DATE	DATE	DATE	DATE				
DATE	DATE	DATE	DATE				
DATE	DATE	DATE	DATE				
DATE	DATE	DATE	DATE				
DATE	DATE	DATE	DATE				








$$I^n = I^1 - O^n$$


1	Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	City Project No. <b>725805</b>	Zone Map No. <b>E-5 &amp; E-6</b>	Sheet <b>A-301</b>	Of <b>17/27</b>	

[illegible]



HARDWARE SCHEDULE.

HWDR SET #1.0 - DOOR 101A

QTY	ITEM	MANUFACTURER'S No.	FINISH	MANUFACTURER
6	HINGES	T4A3T86 4 1/2x4 1/2 NFR	26D	McKINNEY
2	FLUSH BOLTS	555	U526D	ROCKWOOD
1	STOREROOM LOCK	AU 540BLN 5210 PREP LESS CORE	626	YALE
2	CLOSER	UNI-1500 H	689	NORTON
2	PROTECTION PLATE	K1050 10"x2" LDW	U532D	ROCKWOOD
1	LATCH PROTECTOR	320CL	U532D	ROCKWOOD
1	DUST PROOF STRIKE	570	U526D	ROCKWOOD
1	ASTRAGAL	355 CS x D.H.		PEMCO
1	WEATHERSTRIP	303 AS x D.S.		PEMCO
2	DOOR BOTTOM	315 CN x D.M.		PEMCO
1	THRESHOLD	171 A x D.M.		PEMCO

NOTE: 5210 CORE BY OWNER. HARDWARE SUPPLIER PROVIDES TEMPORARY CORE FOR CONSTRUCTION. MOUNT ASTRAGAL ON INSIDE TO INACTIVE LEAF. MOUNT LATCH PROTECTOR ON OUTSIDE OF ACTIVE LEAF.

HWDR SET #2.0 - DOOR 101B

QTY	ITEM	MANUFACTURER'S No.	FINISH	MANUFACTURER
3	HINGES	T4A3T86 4 1/2x4 1/2 NFR	26D	McKINNEY
1	STOREROOM LOCK	AU 540BLN 5210 PREP LESS CORE	626	YALE
1	CLOSER	UNI-1500 H	689	NORTON
1	PROTECTION PLATE	K1050 10"x2" LDW	U532D	ROCKWOOD
1	LATCH PROTECTOR	320CL	U532D	ROCKWOOD
1	WEATHERSTRIP	303 AS x D.S.		PEMCO
1	DOOR BOTTOM	315 CN x D.M.		PEMCO
1	THRESHOLD	171 A x D.M.		PEMCO

NOTE: 5210 CORE BY OWNER. HARDWARE SUPPLIER PROVIDES TEMPORARY CORE FOR CONSTRUCTION.

ABBREVIATIONS.

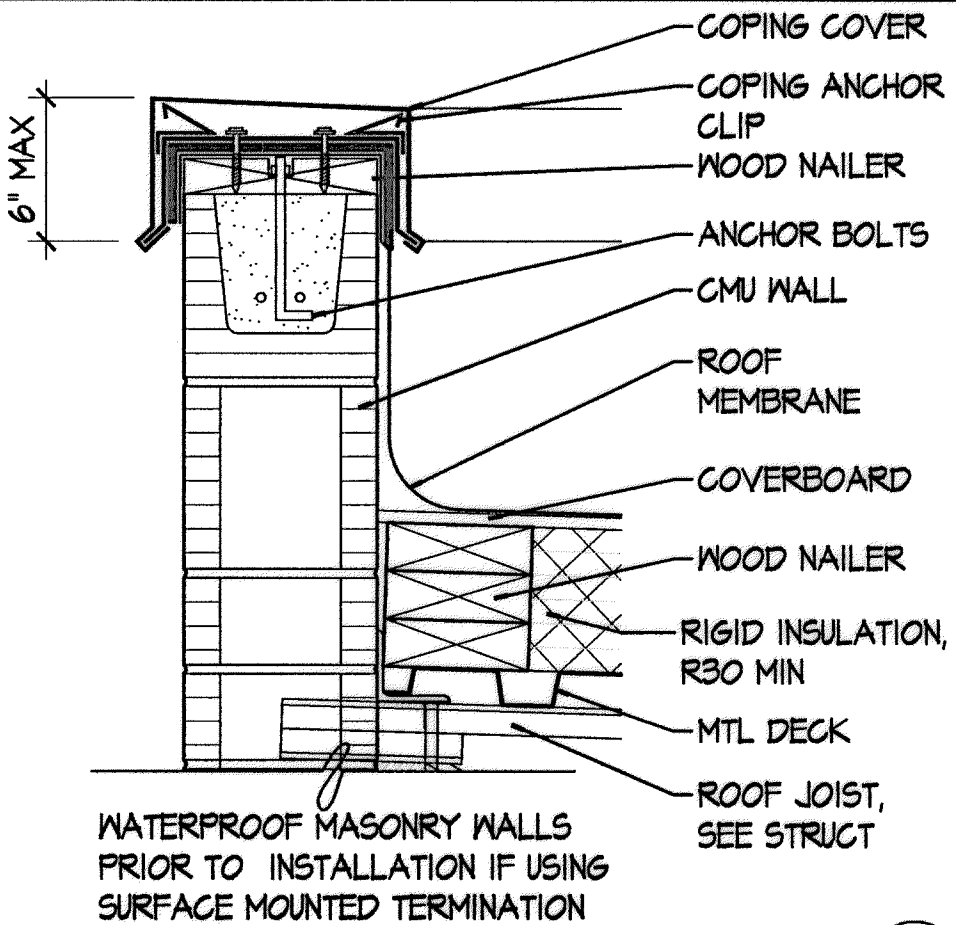
CONC	CONC	N	NARROW LIGHT
CMU	CONCRETE MASONRY UNIT	NF	NO FINISH
EPX	EPOXY FLOOR COATING	NO.	NUMBER
FIN	FINISH	OH	OVERHEAD
EXP	EXPOSED STRUCTURE	PT	PAINT
GB	GYPSUM BOARD	RUBR	RUBBER
HM	HOLLOW METAL	SEAL	CLEAR WATERPROOF SEALER
MATL	MATERIAL	VAR	VARIES

ROOM FINISH SCHEDULE.

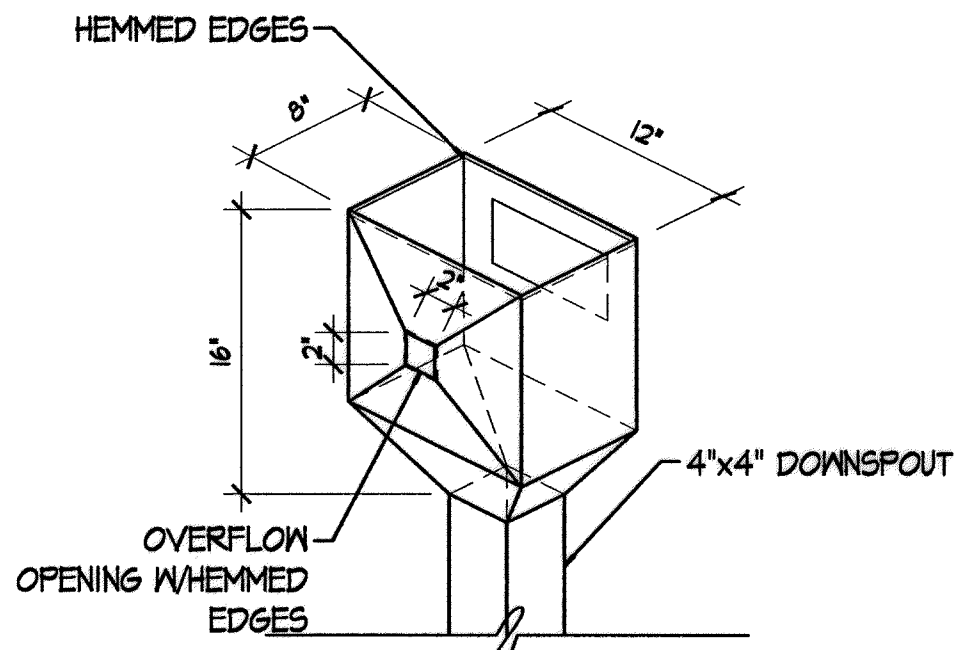
NO.	ROOM NAME	FLOOR		BASE		WALLS								CEILING			REMARKS
						NORTH		EAST		SOUTH		WEST					
		MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN	HT	
101	ELECTRICAL VAULT	CONC	EPX	RUBR	6"	GB	PT	GB	PT	GB	PT	GB	PT	EXP	PT	VAR	

DOOR SCHEDULE.

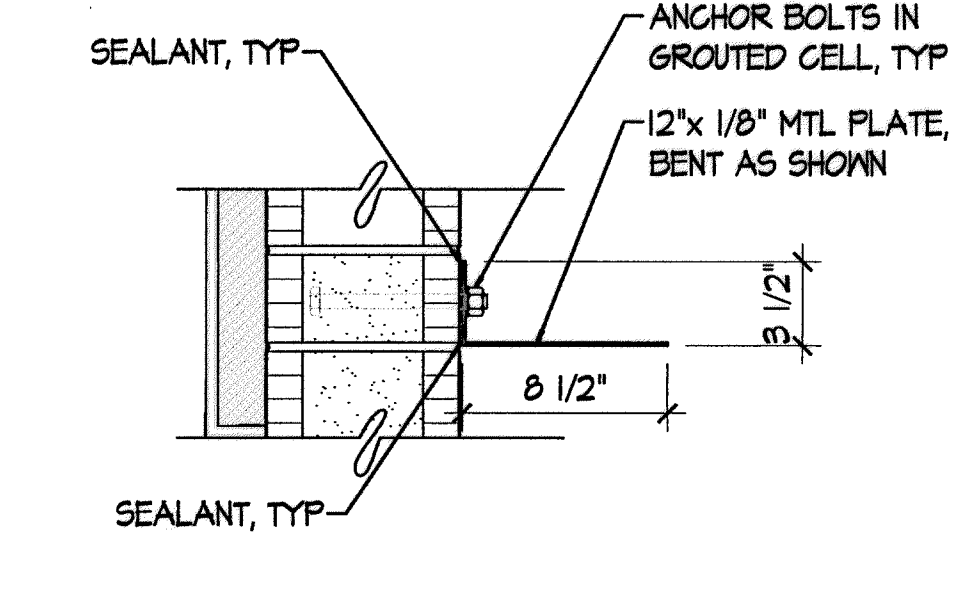
DOOR						FRAME									DOOR NO.	REMARKS
DOOR NO.	SIZE				MATERIAL	TYPE	MATERIAL	TYPE	DEPTH JAMB / HEAD	DETAILS				LABEL		
	PAIR	WIDTH	HEIGHT	THICKNESS						HEAD	JAMB	MILLION	SILL / THRESHOLD			
101A	•	3'-0"	7'-10"	1-3/4"	HM	F-2	HM	HM-2	4'-2"	7/A-501	8/A-501		9/A-501	1.0	INSULATED EXTERIOR DOOR, PAINTED	
101B		3'-0"	7'-0"	1-3/4"	HM	F-1	HM	HM-1	2'-4"	7/A-501	8/A-501		9/A-501	2.0	INSULATED EXTERIOR DOOR, PAINTED	



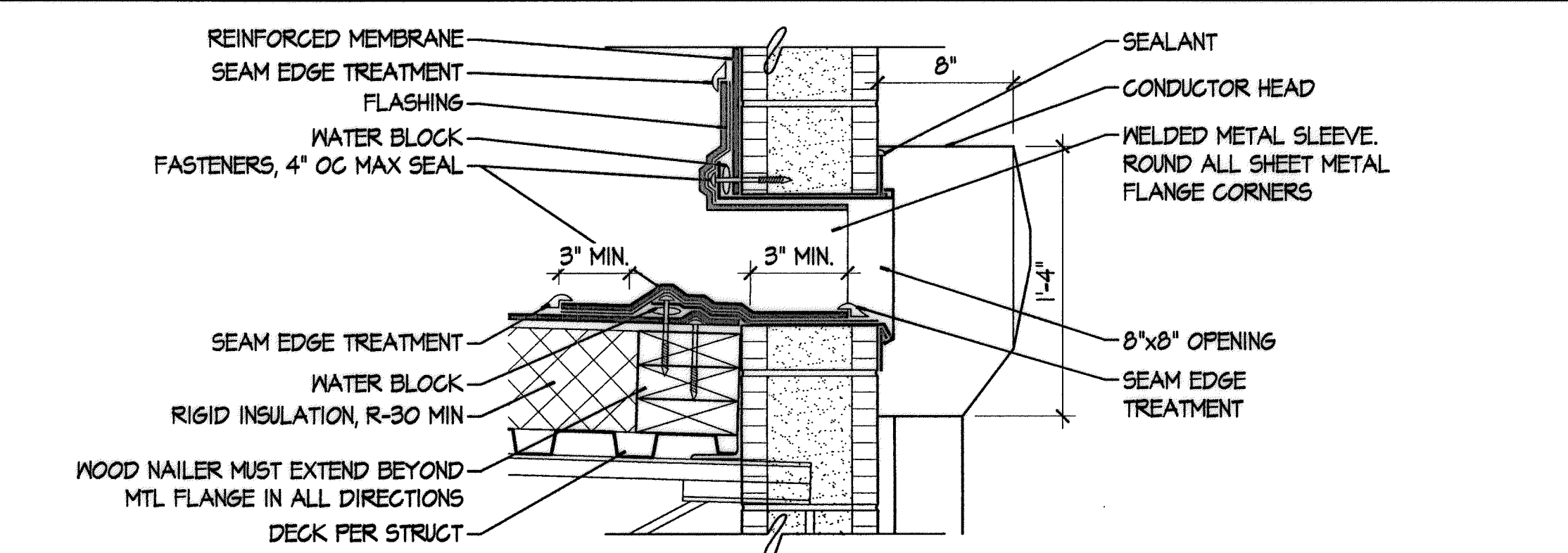
PARAPET 1 1/2" = 1'-0"



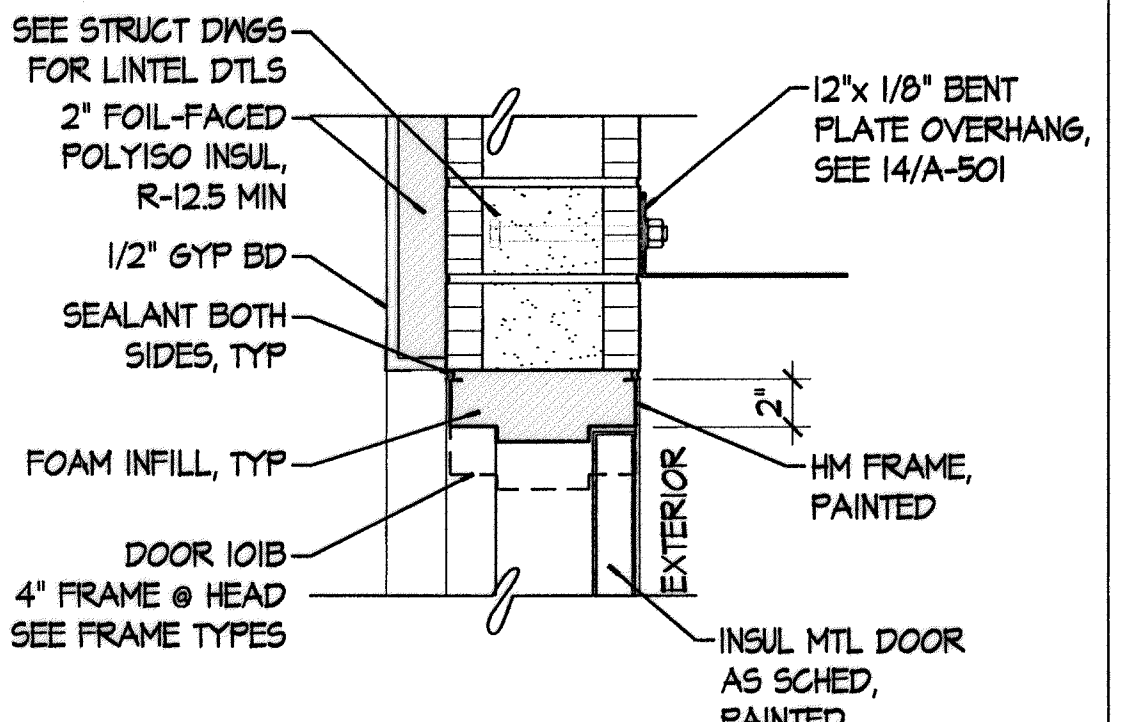
CONDUCTOR HD 1" = 1'-0"



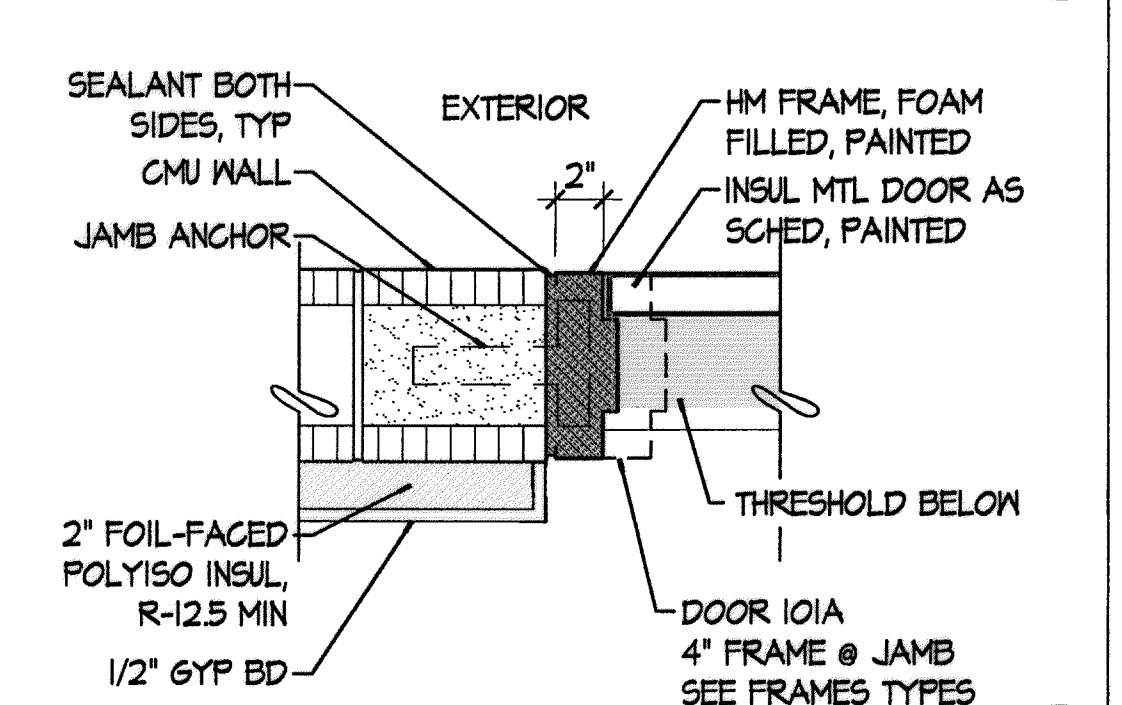
BP OVERHANG 1 1/2" = 1'-0"



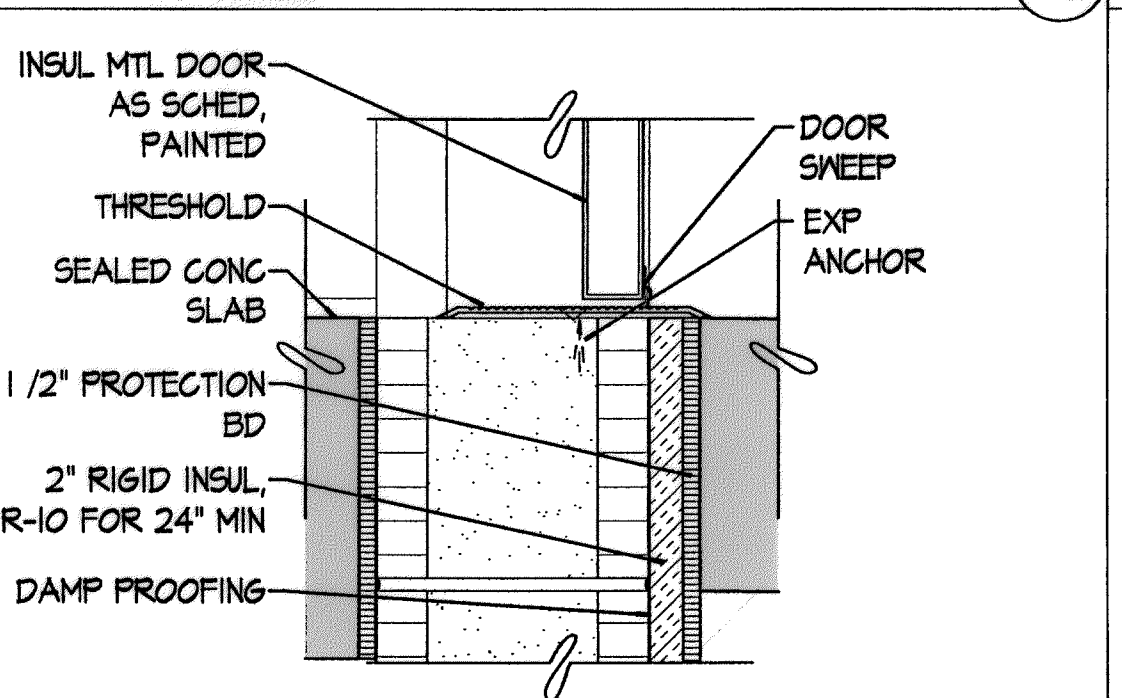
SCUPPER / CONDUCTOR HEAD 1 1/2" = 1'-0"



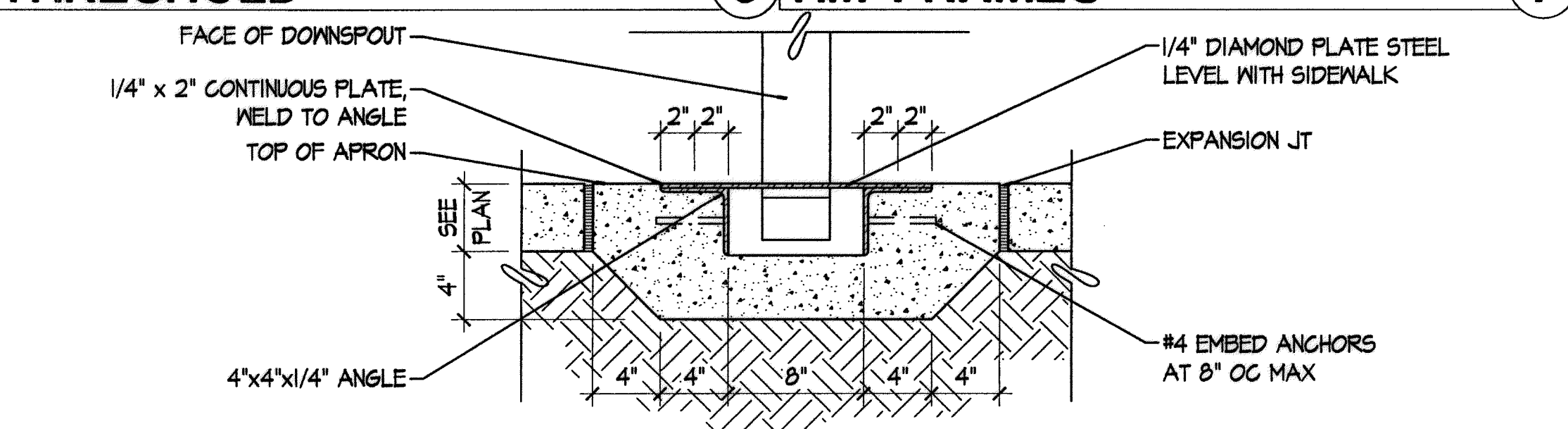
HM HEAD 1 1/2" = 1'-0"



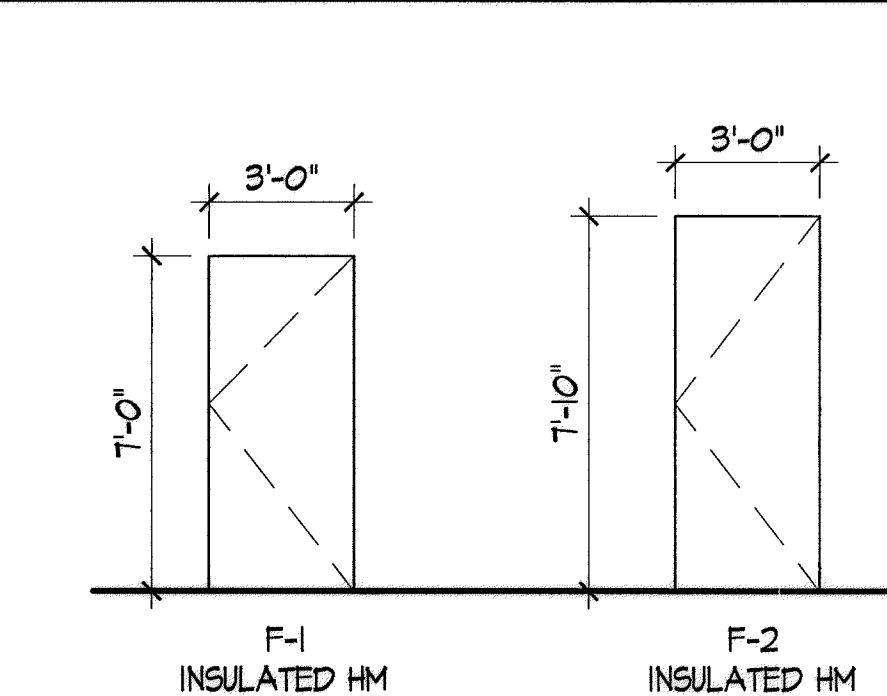
HM JAMB 1 1/2" = 1'-0"



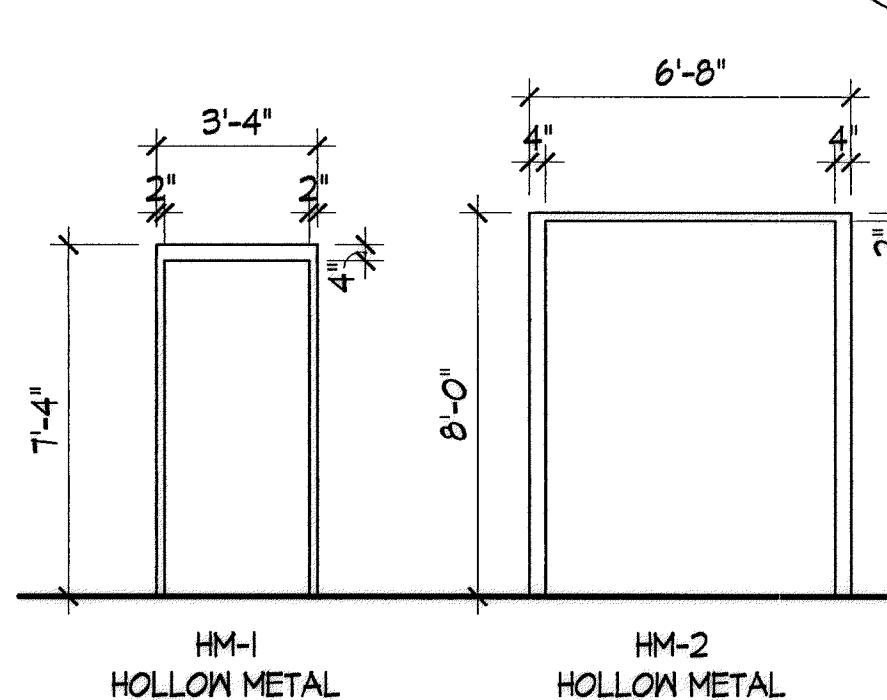
THRESHOLD 1 1/2" = 1'-0"



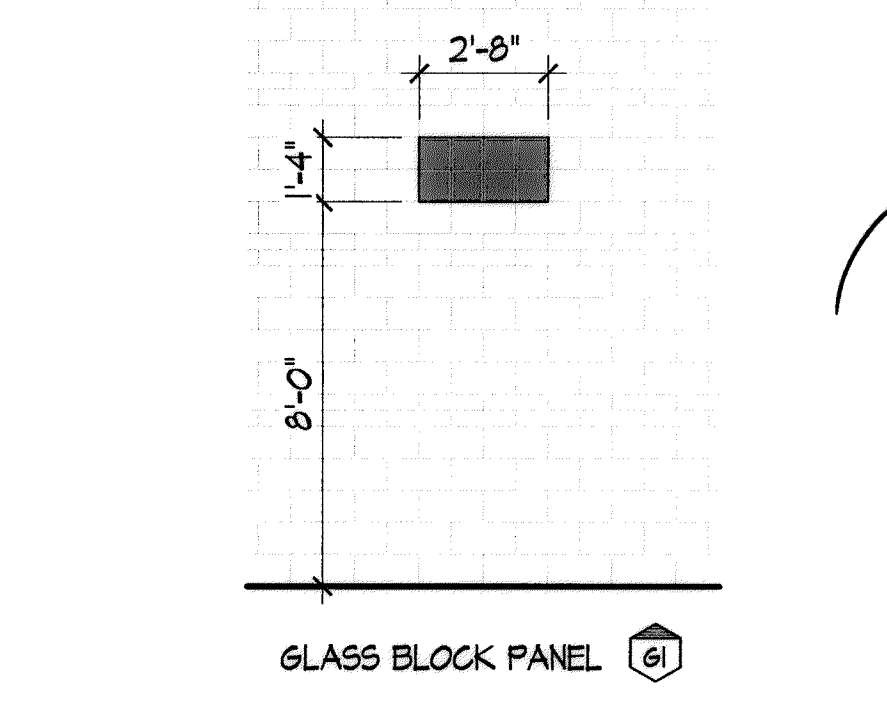
SIDEWALK TRENCH 1 1/2" = 1'-0"



DOOR TYPES 1/4" = 1'-0"



FRAME TYPES 1/4" = 1'-0"



GLASS BK PANEL 1 1/2" = 1'-0"

GLASS BK JAMB 1 1/2" = 1'-0"

GLASS BK PANEL 1 1/2" = 1'-0"

GLASS BK JAMB 1 1/2" = 1'-0"

GLASS BK PANEL 1 1/2" = 1'-0"

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GLASS BK PANEL 1 1/2" = 1'-0"

GLASS BK JAMB 1 1/2" = 1'-0"

GLASS BK PANEL 1 1/2" = 1'-0"

GLASS BK JAMB 1 1/2" = 1'-0"

AS BUILT INFORMATION	
CONTRACTOR	WORK
STARTED BY	DATE
ACCEPTANCE BY	DATE
FIELD DRAWING BY	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	
EAGLE AIR: N=508716.173, E=480267.340	
ELEV.=5800.50	
N 83 A: N=510472.458, E=480106.729	
NMI STATE PLANE COORDS, NAD 83 NAVD88	

SURVEY INFORMATION	
FIELD NOTES	NO.
BY	

ENGINEER'S SEAL	
STATE OF NEW MEXICO	
JOHN QUINN	
PATE NO. 1784	
REGISTERED ARCHITECT	
9/10/10	

REVISIONS	
NO.	DATE
1	06/14/2010
2	06/14/2010
3	06/14/2010

REMARKS	
DESIGN	REVIEW
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION

ELECTRICAL VAULT BUILDING  
SCHEDULES

APPROVED AUG 17 2010 DESIGN REVIEW COMMITTEE

APPROVED AUG 17 2010 CITY ENGINEER

City Project No. 725805 Zone Map No. E-5 & E-6 Sheet A-501



HARDWARE SCHEDULE.

HWNR SET #1.0 - DOOR 101A

QTY	ITEM	MANUFACTURER'S No.	FINISH	MANUFACTURER
6	HINGES	T4A3786 4 1/2x4 1/2 NPR	26D	McKINNEY
2	FLUSH BOLTS	555	US26D	ROCKWOOD
1	STOREROOM LOCK	AU 5405LN 5210 PREP LESS CORE	626	YALE
2	CLOSER	UNI-7500 H	689	NORTON
2	PROTECTION PLATE	K1050 10"x2" LDW	US32D	ROCKWOOD
1	LATCH PROTECTOR	320CL	US32D	ROCKWOOD
1	DUST PROOF STRIKE	570	US26D	ROCKWOOD
1	ASTRAGAL	355 CS x D.H.		PEMCO
1	WEATHERSTRIP	303 AS x D.S.		PEMCO
2	DOOR BOTTOM	315 CN x D.W.		PEMCO
1	THRESHOLD	171 A x D.W.		PEMCO

NOTE: 5210 CORE BY OWNER. HARDWARE SUPPLIER PROVIDES TEMPORARY CORE FOR CONSTRUCTION. MOUNT ASTRAGAL ON INSIDE TO INACTIVE LEAF. MOUNT LATCH PROTECTOR ON OUTSIDE OF ACTIVE LEAF.

HWNR SET #2.0 - DOOR 101B

QTY	ITEM	MANUFACTURER'S No.	FINISH	MANUFACTURER
3	HINGES	T4A3786 4 1/2x4 1/2 NPR	26D	McKINNEY
1	STOREROOM LOCK	AU 5405LN 5210 PREP LESS CORE	626	YALE
1	CLOSER	UNI-7500 H	689	NORTON
1	PROTECTION PLATE	K1050 10"x2" LDW	US32D	ROCKWOOD
1	LATCH PROTECTOR	320CL	US32D	ROCKWOOD
1	WEATHERSTRIP	303 AS x D.S.		PEMCO
1	DOOR BOTTOM	315 CN x D.W.		PEMCO
1	THRESHOLD	171 A x D.W.		PEMCO

NOTE: 5210 CORE BY OWNER. HARDWARE SUPPLIER PROVIDES TEMPORARY CORE FOR CONSTRUCTION.

ABBREVIATIONS.

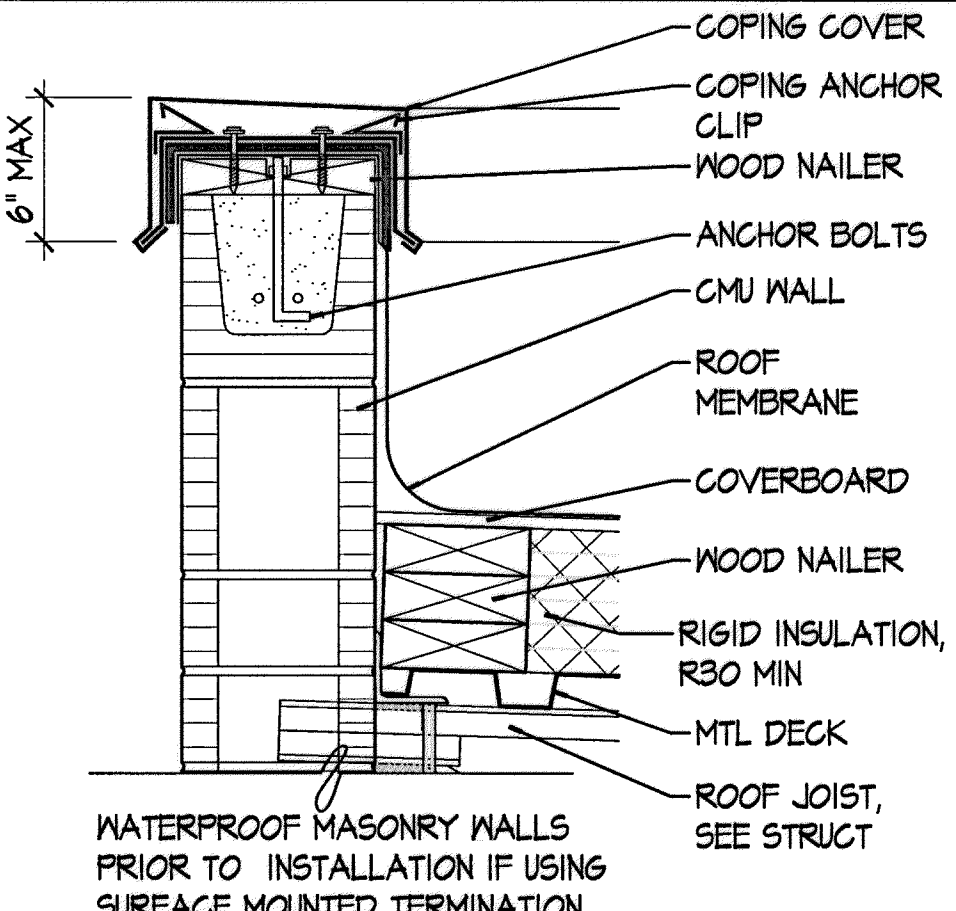
CONC	CONC	N	NARROW LIGHT
CMU	CONCRETE MASONRY UNIT	NF	NO FINISH
EPX	EPOXY FLOOR COATING	NO.	NUMBER
FIN	FINISH	OH	OVERHEAD
EXP	EXPOSED STRUCTURE	PT	PAINT
GB	GYPSUM BOARD	RUBR	RUBBER
HM	HOLLOW METAL	SEAL	CLEAR WATERPROOF SEALER
MATL	MATERIAL	VAR	VARIES

ROOM FINISH SCHEDULE.

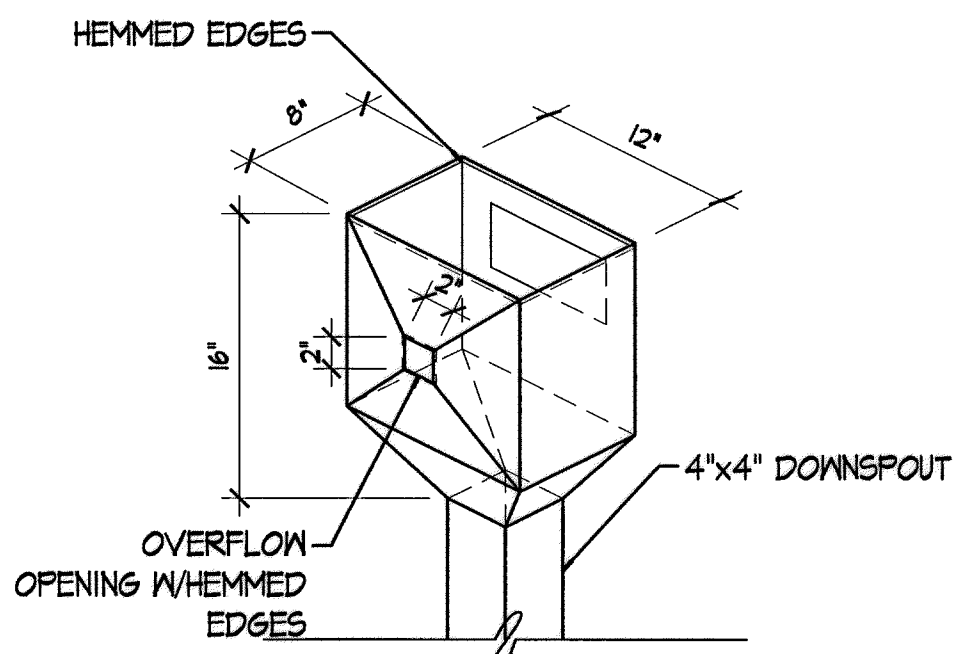
NO.	ROOM NAME	FLOOR	BASE	WALLS								CEILING			REMARKS
				NORTH	EAST	SOUTH	WEST	MATL	FIN	MATL	FIN	MATL	FIN	HT	
				MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN	HT	
101	ELECTRICAL VAULT			MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN	HT	

DOOR SCHEDULE.

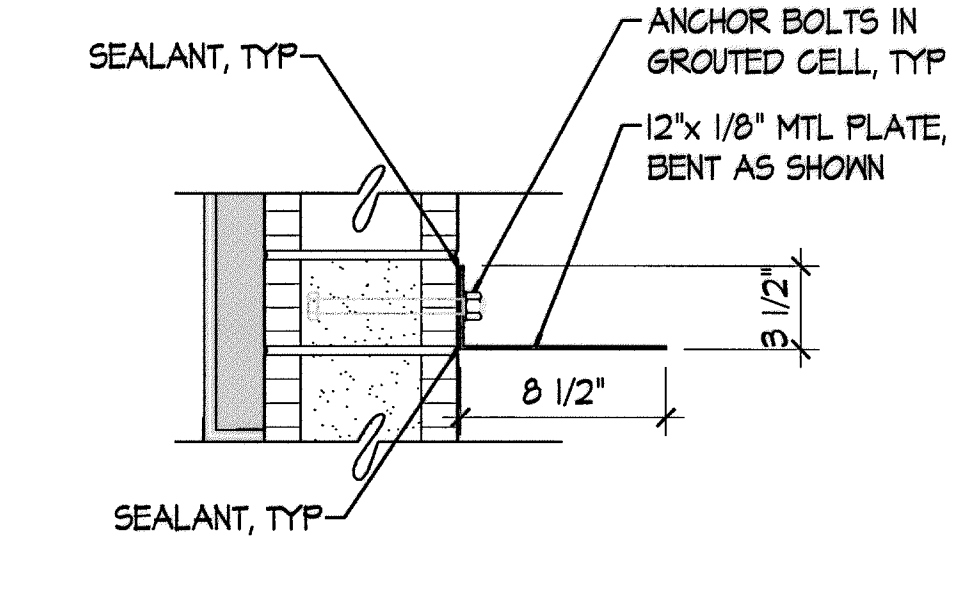
DOOR NO.	SIZE				MATERIAL	TYPE	FRAME		DETAILS	REMARKS
	PAIR	WIDTH	HEIGHT	THICKNESS			MATERIAL	TYPE		
101A	•	3'-0"	7'-10"	1-3/4"	HM	F-2	HM	HM-2	4'-2"	1/A-501
101B		3'-0"	7'-0"	1-3/4"	HM	F-1	HM	HM-1	2'-4"	1/A-501



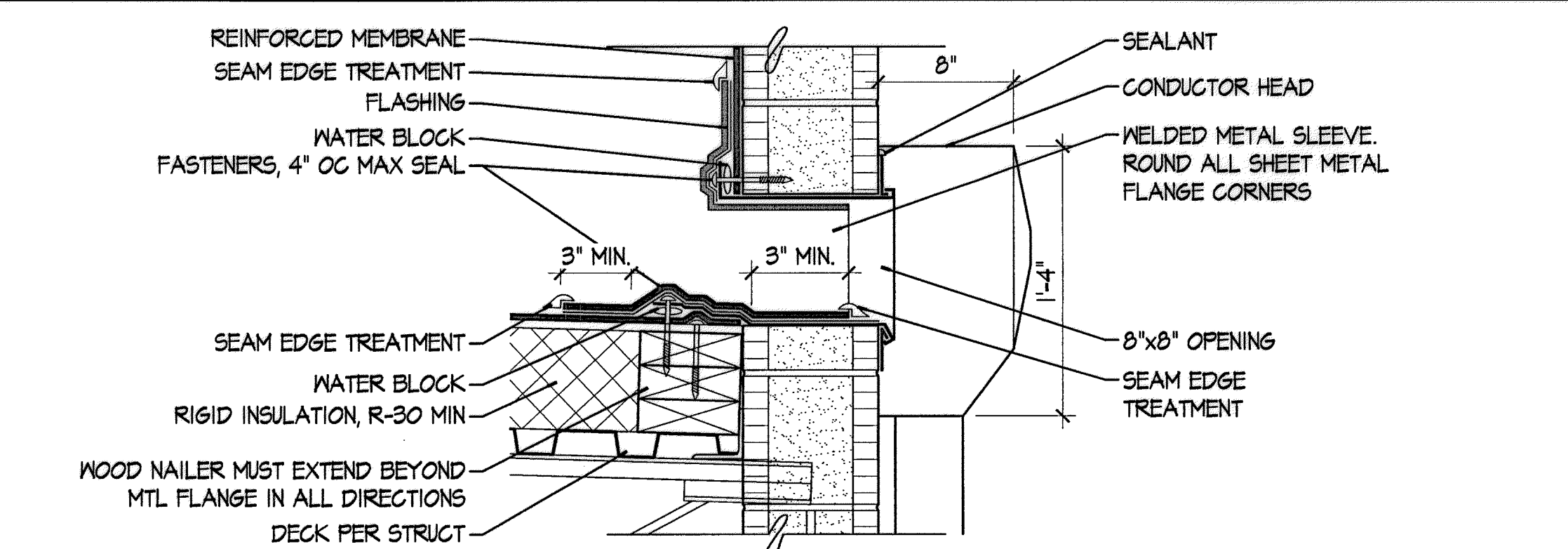
PARAPET 1 1/2" = 1'-0"



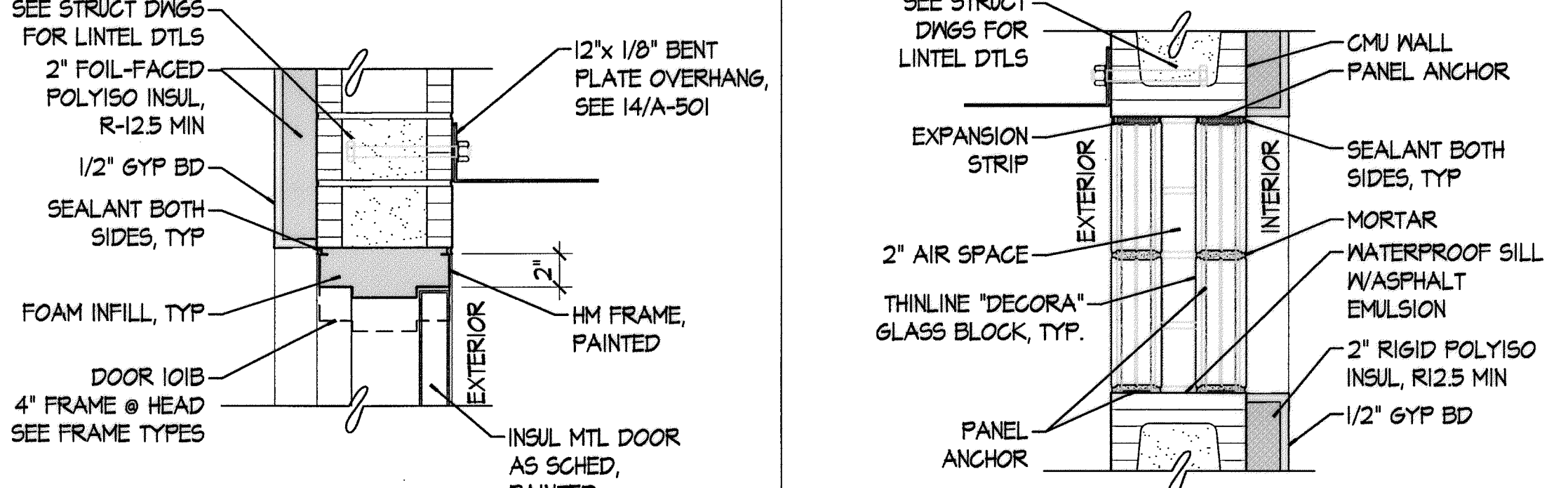
CONDUCTOR HD 1" = 1'-0"



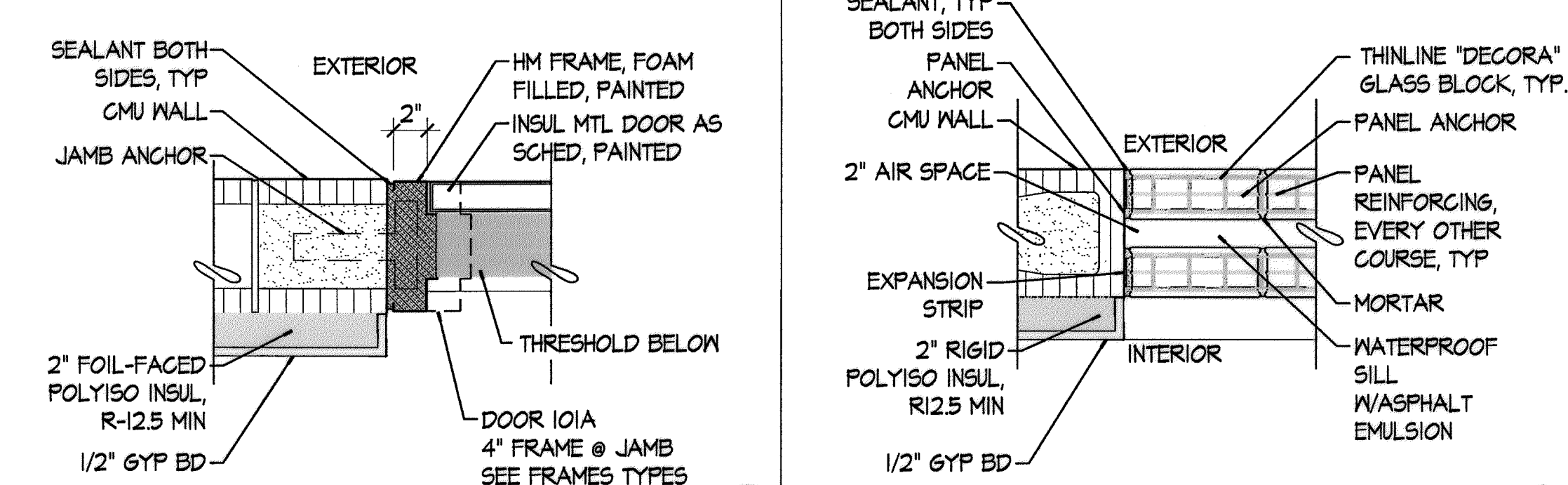
BP OVERHANG 1 1/2" = 1'-0"



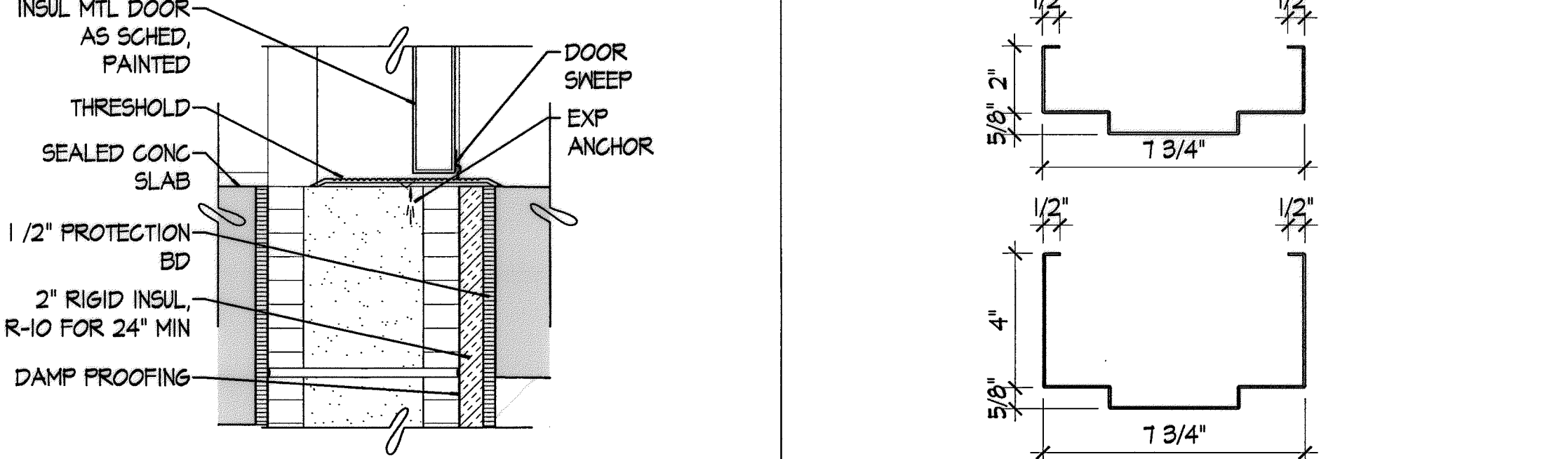
SCUPPER / CONDUCTOR HEAD 1 1/2" = 1'-0"



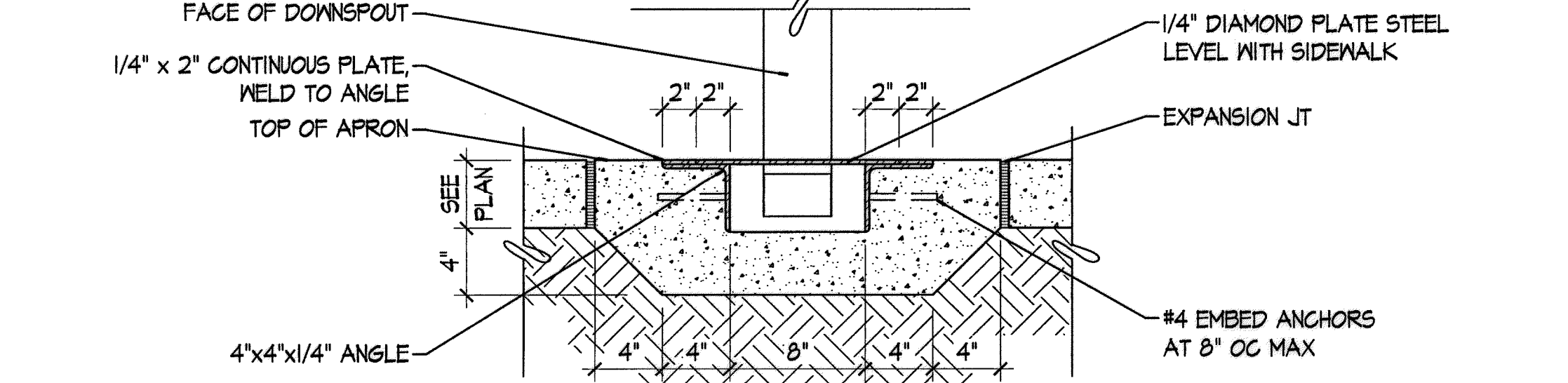
HM HEAD 1 1/2" = 1'-0"



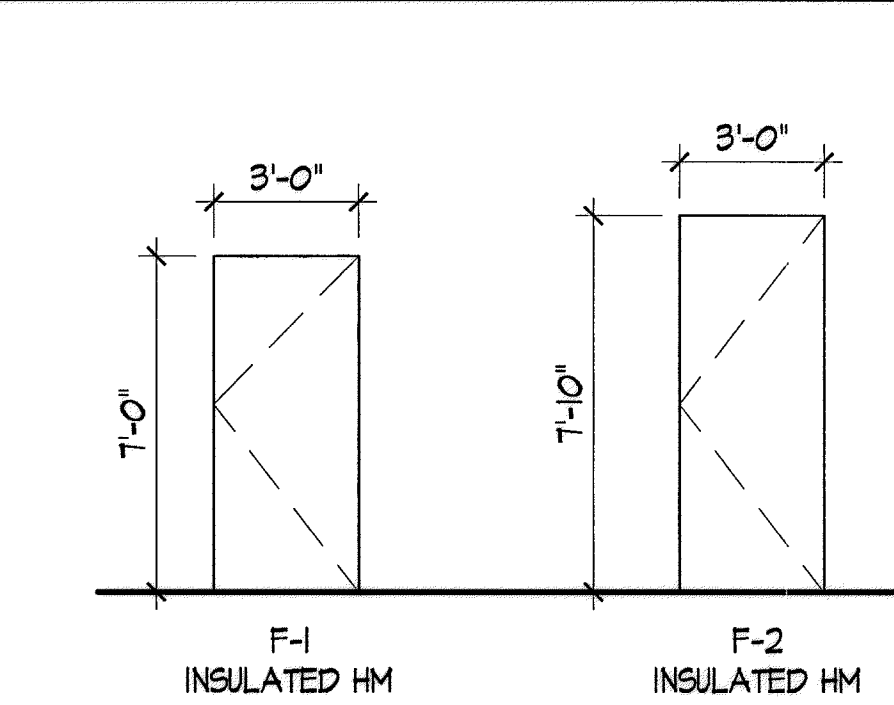
HM JAMB 1 1/2" = 1'-0"



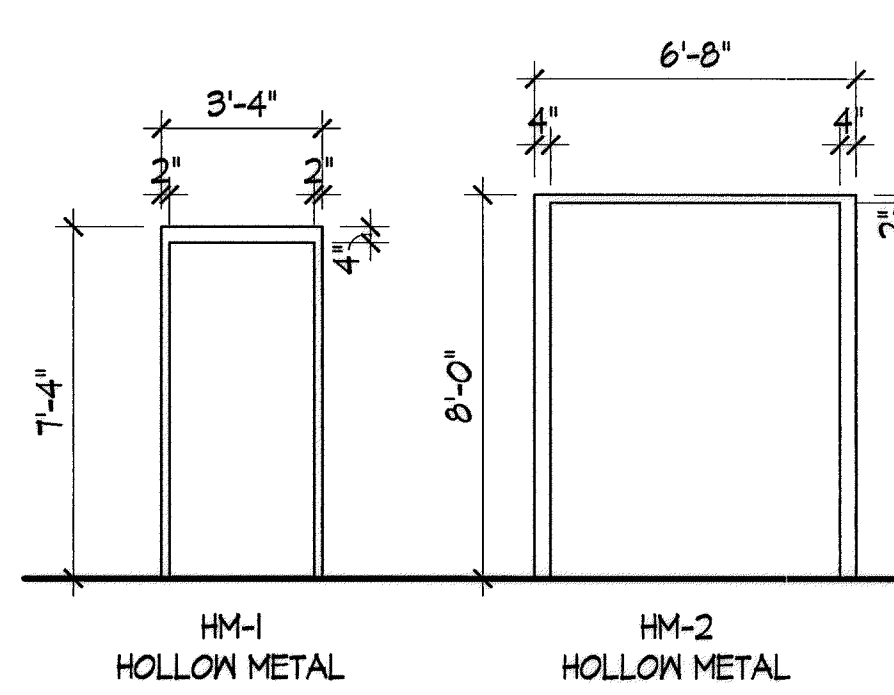
THRESHOLD 1 1/2" = 1'-0"



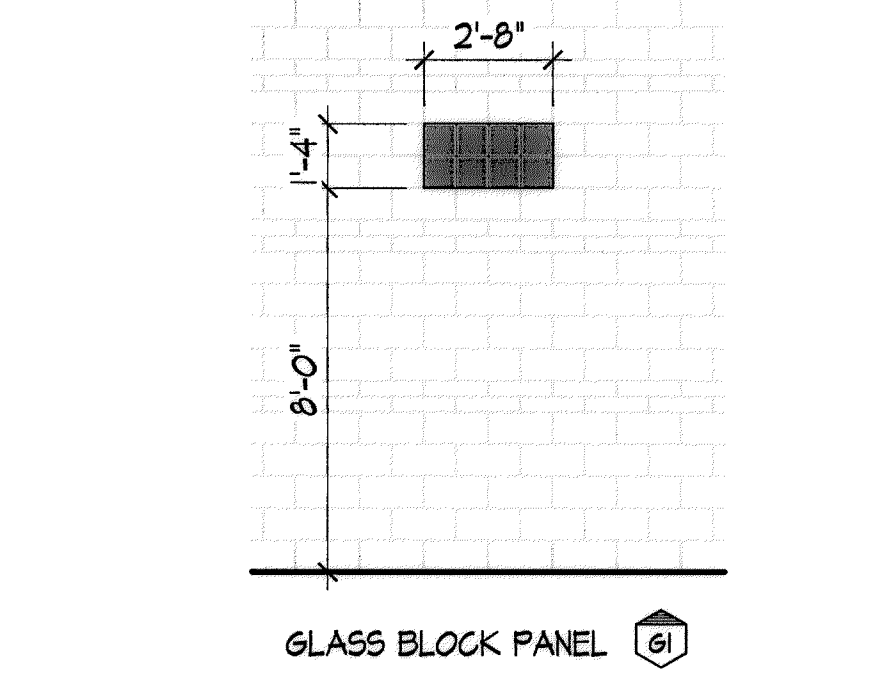
SIDEWALK TRENCH 1 1/2" = 1'-0"



DOOR TYPES 1/4" = 1'-0"



FRAME TYPES 1/4" = 1'-0"



GLASS BK PANEL 1 1/2" = 1'-0"

GLASS BK JAMB 1 1/2" = 1'-0"

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GLASS BK PANEL 1 1/2" = 1'-0"

GLASS BK JAMB 1 1/2" = 1'-0"

GLASS BK PANEL 1 1/2" = 1'-0"

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GLASS BK PANEL 1 1/2" = 1'-0"

GLASS BK JAMB 1 1/2" = 1'-0"

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR: LONE MOUNTAIN CONTRACTING, INC.		EAGLE AIR: N=508716.173, E=480267.340		DATE: 10/2011		NO. 1	
WORK: ELEVATION=5800.50		DATE: 10/2011		BY: A. ARANDA		DATE: 06/14/2010	
DESIGNED BY: MCA		DATE: 06/14/2010		DRAWN BY: J.Q. PATE		DATE: 06/14/2010	
CHECKED BY: J.Q. PATE		DATE: 06/14/2010		REMARKS		REVISIONS	
NO.		DATE		REMARKS		REVISIONS	
1		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
2		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
3		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
4		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
5		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
6		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
7		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
8		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
9		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
10		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
11		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
12		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
13		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	
14		10/2011		SEE ELEVATION DRAWINGS FOR LOCATION OF GLASS BLOCK PANELS & BENT PLATE OVERHANG		DESIGN	

RECORD DRAWING	
DATE: 10/2011	DRAWN BY: MOLZEN CORBIN
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION			
ELECTRICAL VAULT BUILDING DETAILS SCHEDULES			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 725805	Zone Map No. E-5 & E-6	Sheet A-501	Of 18/27



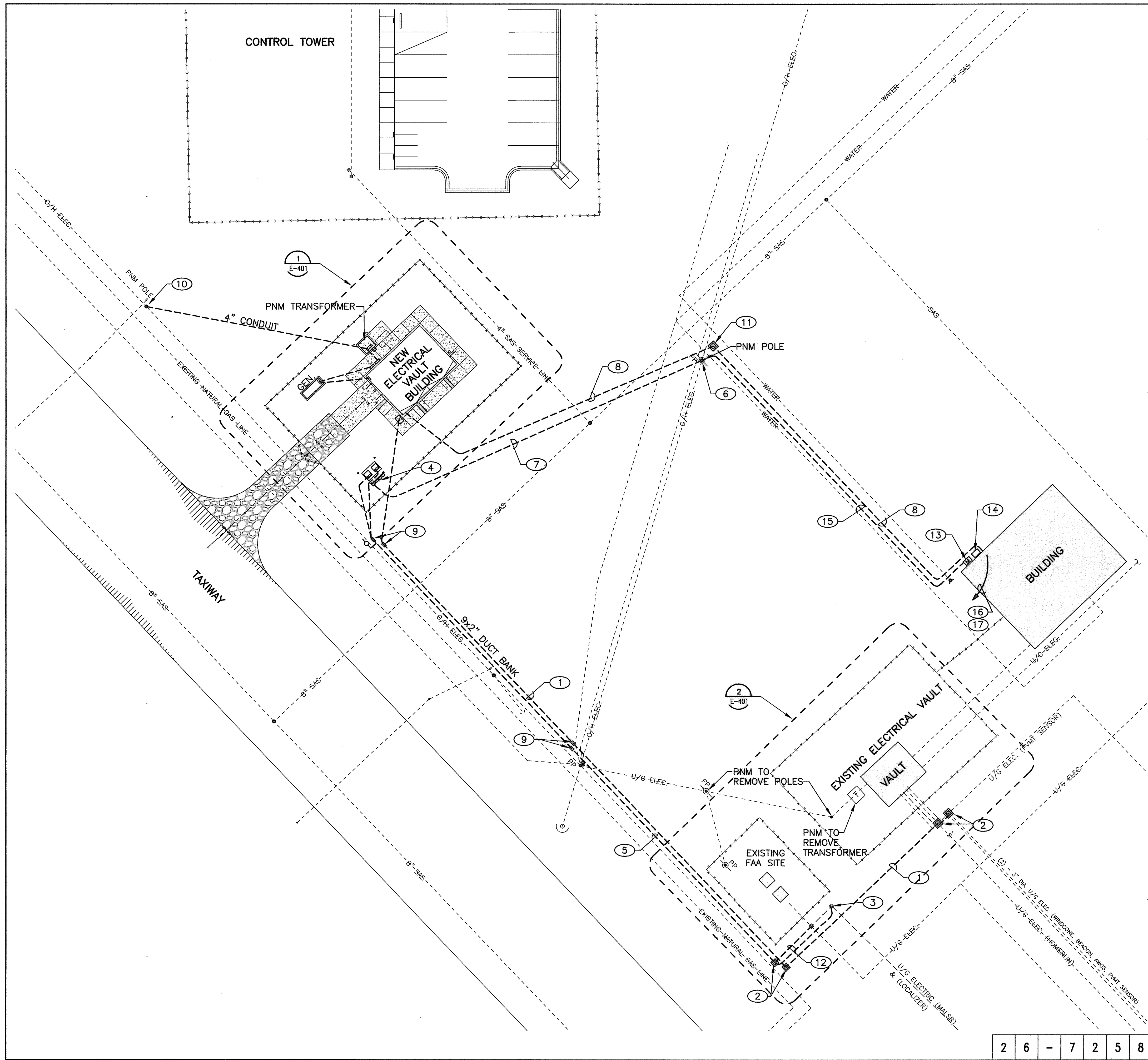












- GENERAL NOTES**
1. VERIFY BURIED UTILITY LOCATIONS PRIOR TO EXCAVATION.
  2. COORDINATE AIRFIELD LIGHTING OUTAGES WITH AIRPORT MANAGER
  3. INSTALL WARNING TAPE 12" BFG IN TRENCHES.
- KEYED NOTES**
- 1 7-CIRCUITS, 2 #6-5KV CABLE (L-824) AND 1 #6 BARE COPPER COUNTERPOISE IN RESPECTIVE 2" CONDUITS. 2-SPARE, 2" CONDUITS.
  - 2 NEW JUNCTION BOXES.
  - 3 EXISTING PULL BOX.
  - 4 NEW FAA SERVICE EQUIPMENT.
  - 5 2-2" CONCRETE ENCASED DUCT. INSTALL 2-#6 5KV CABLE (L-824) WITH #6 BA CU GROUND IN EACH. MIN. 4" CONCRETE COVERS.
  - 6 INSTALL 2-2" RISER PER PNM DS-10-6.4.
  - 7 2" CONDUIT WITH 3 #2/0 THWN-2.
  - 8 1" PVC CONDUIT WITH 6 PR. SHIELDED TELEPHONE CABLE. TIE INTO EXISTING TEL. CKT IN OLD MAINTENANCE BUILDING.
  - 9 INSTALL INDIVIDUAL DUCT MARKERS "MLSR" AND "AFLGTS".
  - 10 INSTALL 4" RISER PER PNM-DS-7-15.0.
  - 11 13" X 24" COMPOSITE PULLBOX WITH "COMMUNICATIONS" ON LID.
  - 12 2-2" PVC CONDUITS WITH 2 #6 5KV CABLE AND 1 #6 BARE CU GROUND IN EACH.
  - 13 INSTALL 200A 120/240V METER SOCKET PER PNM MS-2-5.0.
  - 14 INSTALL 200A, 2 POLE NEMA 3R FUSED DISCONNECT.
  - 15 INSTALL 2" CONDUIT WITH 3 #2/0 THWN.
  - 16 INSTALL 2" CONDUIT AND 3 #2/0 THWN AND 1 #6 GROUND AND RE-FEED EXISTING PANEL. RE-ARRANGE CIRCUIT BREAKERS TO FREE UP PHASE B.
  - 17 LABEL EXISTING PANEL-"120/240V FED PHASE B DISCONNECTED".

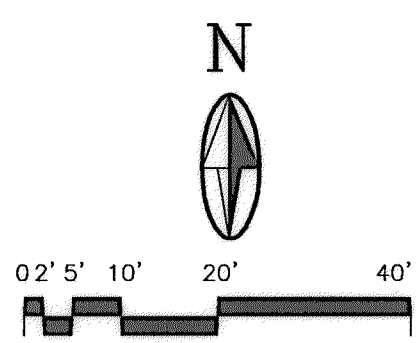
**RECORD DRAWING**

DATE:	DRAWN BY:
10/2011	MOLZEN CORBIN

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**MOLZEN-CORBIN & Associates**  
ENGINEERS/ARCHITECTS/PLANNERS

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ALBUQUERQUE, NM 87105  
TEL: 505.242.5700  
FAX: 505.242.0673



2	6	-	7	2	5	8	.	0	5	-	1	1
City Project No. <b>725805</b>												
Zone Map No. <b>E-5 &amp; E-6</b>												
Sheet <b>E-101</b> Of <b>20/27</b>												

**CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP**

**TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION  
ELECTRICAL VAULT BUILDING  
ELECTRICAL SITE PLAN**

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

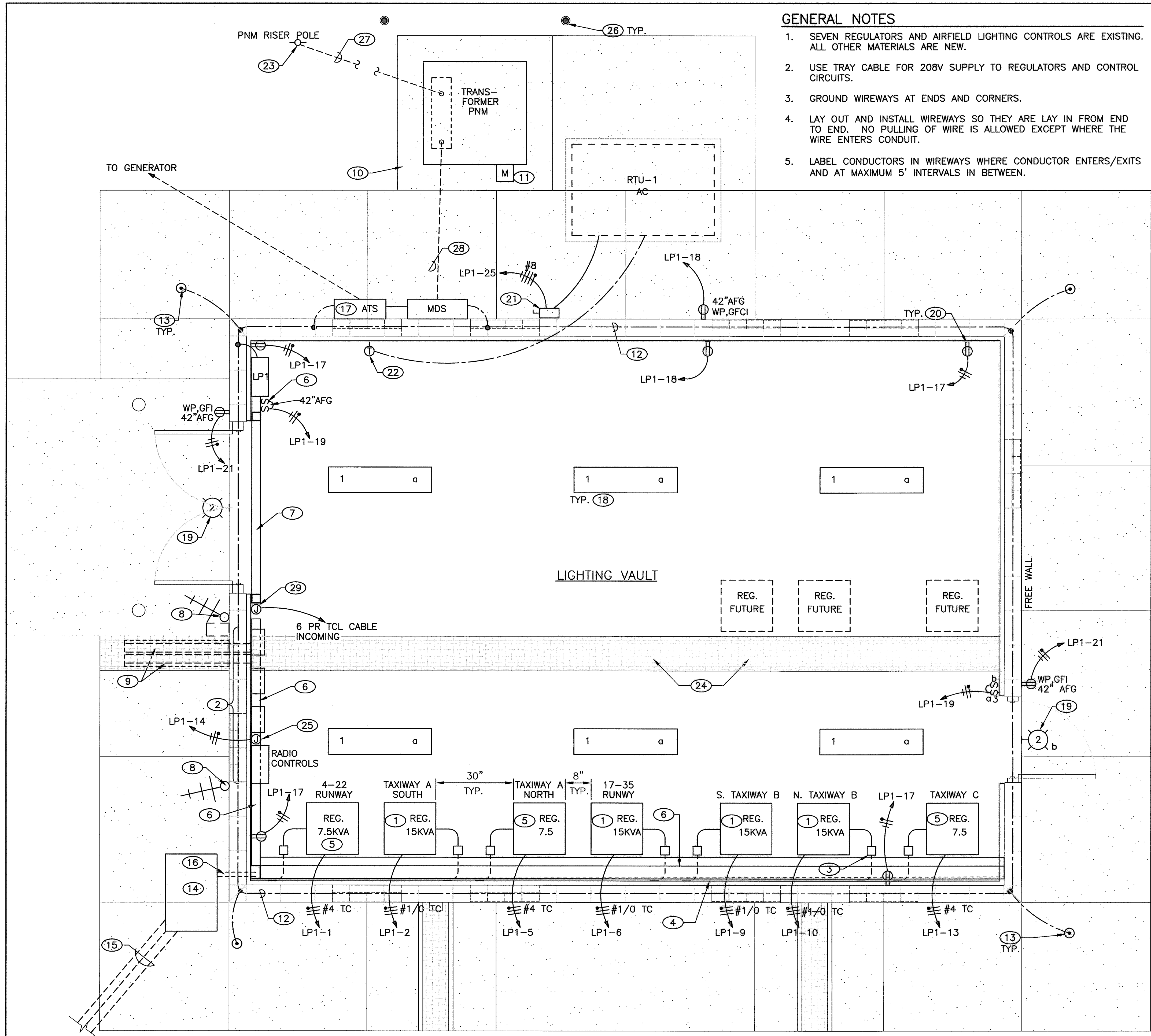
City Project No. **725805** Zone Map No. **E-5 & E-6** Sheet **E-101** Of **20/27**

BENCH MARKS				AS BUILT INFORMATION			
EAGLE AIR: N=508716.173, E=480267.340				CONTRACTOR: LONE MOUNTAIN CONTRACTING, INC.			
ELEV.=5800.50				STARTED BY	DATE	DATE	DATE
N 93 A: N=510472.458, E=480106.729				ACCEPTANCE BY	DATE	DATE	DATE
				FIELD DRAWINGS	DATE	DATE	DATE
				CORRECTED BY	DATE	DATE	DATE
				MICRO-FILM INFORMATION			
				RECORDED BY	DATE	DATE	DATE
				NO.	NO.	NO.	NO.









- GENERAL NOTES**
- SEVEN REGULATORS AND AIRFIELD LIGHTING CONTROLS ARE EXISTING. ALL OTHER MATERIALS ARE NEW.
  - USE TRAY CABLE FOR 208V SUPPLY TO REGULATORS AND CONTROL CIRCUITS.
  - GROUND WIREWAYS AT ENDS AND CORNERS.
  - LAY OUT AND INSTALL WIREWAYS SO THEY ARE LAY IN FROM END TO END. NO PULLING OF WIRE IS ALLOWED EXCEPT WHERE THE WIRE ENTERS CONDUIT.
  - LABEL CONDUCTORS IN WIREWAYS WHERE CONDUCTOR ENTERS/EXITS AND AT MAXIMUM 5' INTERVALS IN BETWEEN.

- KEYED NOTES**
- INSTALL 15KVA REGULATOR FROM EXISTING VAULT.
  - INSTALL RADIO AND LIGHTING CONTROLS. (REMOVED FROM OLD VAULT).
  - INSTALL 5KV S-1 PLUG BYPASS CUTOUT FOR EACH REGULATOR CIRCUIT 48\"/>

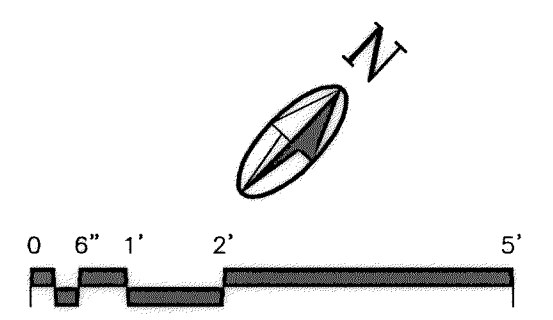
**RECORD DRAWING**

DATE: 10/2011 DRAWN BY: MOLZEN CORBIN

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**ELECTRICAL FLOOR PLAN**  
SCALE: 1/2"=1'-0"

2	6	-	7	2	5	8	.	0	5	-	1	1	City Project No.	725805	Zone Map No.	E-5 & E-6	Sheet	E-102	Of	21/27
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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION  
**ELECTRICAL VAULT BUILDING  
POWER PLAN**

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

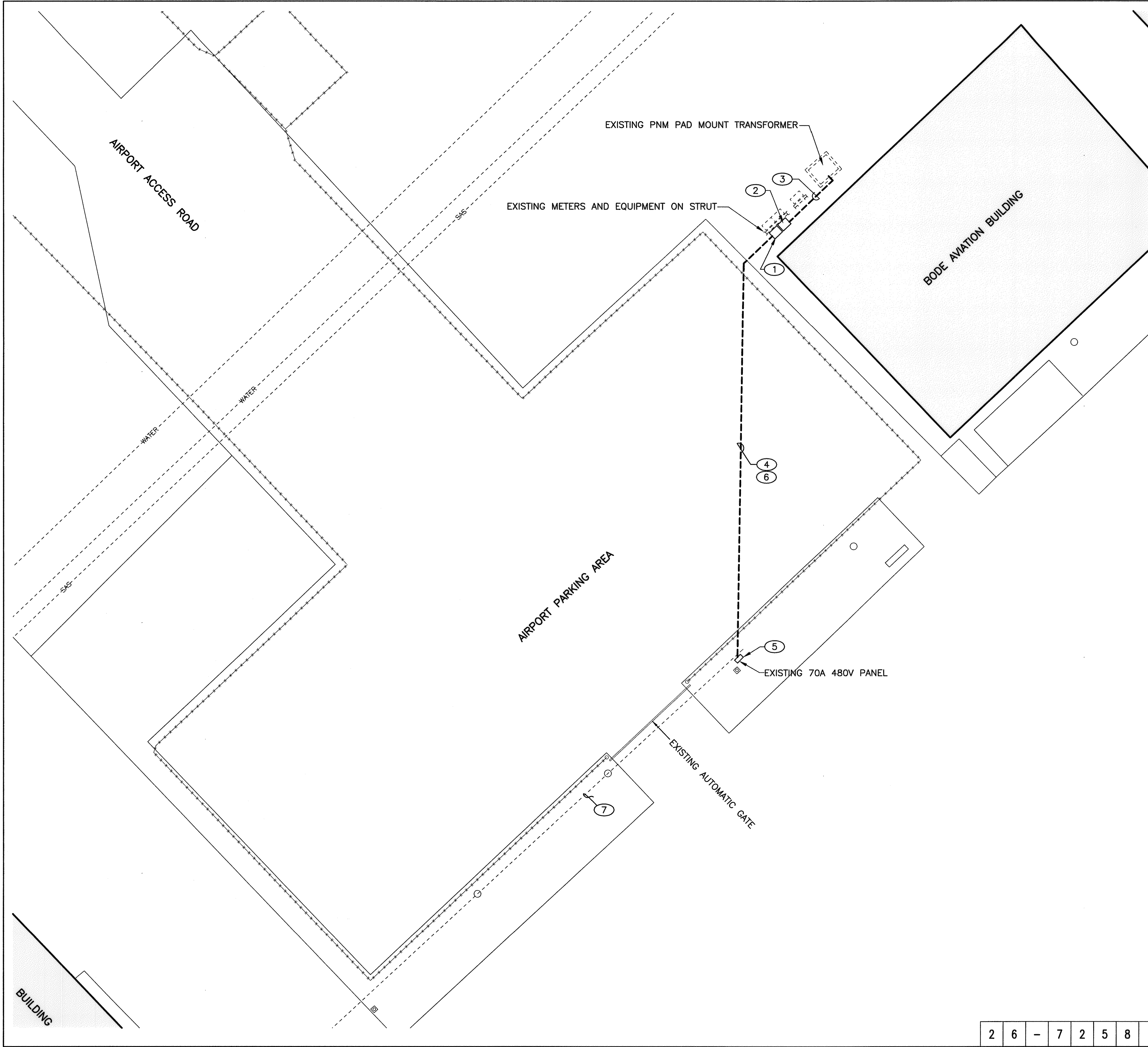
City Project No. 725805 Zone Map No. E-5 & E-6 Sheet E-102 Of 21/27

REDRAWN FOR RECORD PURPOSES

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	LOVE MOUNTAIN CONTRACTING, INC.	WORK	LOVE MOUNTAIN	EAGLE AIR	N=508716.173, E=480267.340	DATE		NO.	BY	DATE					
STARTED BY		ACCEPTANCE BY		ELEV.	-5800.50										
DATE		DATE		N 93 A	N=510472.458, E=480106.729										
DATE		DATE													
DATE		DATE													
DATE		DATE													
DATE		DATE													







GENERAL NOTES

- COORDINATE WITH PNM FOR NEW 277/480V SERVICE AND TO INSTALL SERVICE CONDUIT IN TRANSFORMER.
- VERIFY BURIED UTILITY LOCATIONS PRIOR TO EXCAVATION.
- COORDINATE WITH BODE AVIATION FOR WORK IN PARKING LOT.

KEYED NOTES

- INSTALL 100A, 480V METER ENCLOSURE PER PNM M5-2-6.0. MOUNT ON BACK SIDE OF EXISTING EQUIPMENT FRAME.
- INSTALL 100A 3P NEMA 3R FUSED DISCONNECT SWITCH.
- INSTALL 2" CONDUIT WITH 3 #3 THWN AND 1 #8 GROUND FOR SERVICE.
- 1 1/2" CONDUIT WITH 4 #3 THWN AND 1 #8 GROUND.
- RE-FEED EXISTING 480V PANEL FROM NEW SERVICE.
- SAWCUT PARKING LOT ASPHALT FOR TRENCH. PAVEMENT REPLACEMENT PER CITY OF ALBUQUERQUE STANDARD DRAWING 2465
- ABANDON EXISTING CIRCUIT FROM VAULT.

RECORD DRAWING	
DATE: 10/2011	DRAWN BY: MOLZEN CORBIN
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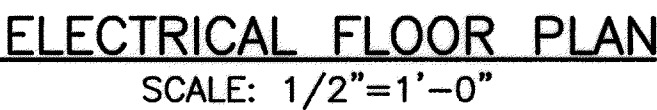
MOLZEN-CORBIN & Associates  
ENGINEERS/ARCHITECTS/PLANNERS

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FAX: 505.242-0673

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION AIRPORT MAIN ENTRANCE GATE MODIFICATIONS PLAN			
Design Review Committee	City Engineer Approval	Last Design Update	
		Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 725805		Zone Map No. E-5 & E-6	Sheet E-103 Of 22/27

ENGINEER'S SEAL				SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
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								STARTED BY	LONE MOUNTAIN
								ACCEPTANCE BY	DATE
								FIELD DRAWING BY	DATE
								CORRECTED BY	DATE
								MICRO-FILM INFORMATION	
								RECORDED BY	DATE
								NO.	





1. REMOVE 5KV BYPASS CUTOUTS AND ASSOCIATED REGULATOR CONDUCTORS AND EQUIPMENT TO SALVAGE.

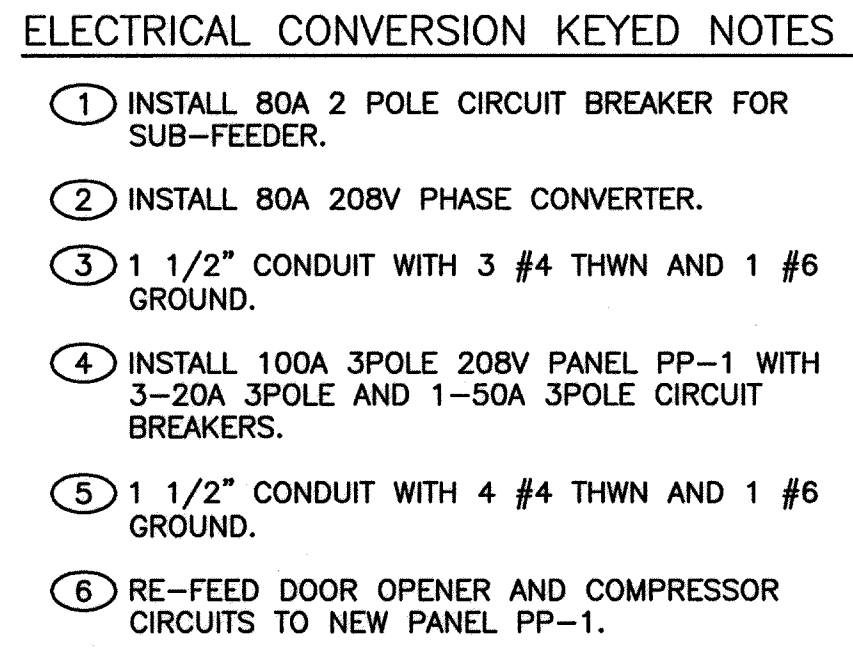
- ① REMOVE 15KVA REGULATOR. PRESERVE FOR INSTALLATION IN NEW VAULT.
- ② NOT USED.
- ③ REMOVE RUNWAY LIGHTING CONTROL EQUIPMENT. PRESERVE FOR INSTALLATION IN NEW VAULT.
- ④ REMOVE LIGHTING CONTROL ANTENNAS. PRESERVE FOR INSTALLATION ON NEW VAULT.
- ⑤ REMOVE 7 1/2KVA REGULATOR. PRESERVE FOR INSTALLATION IN NEW VAULT.

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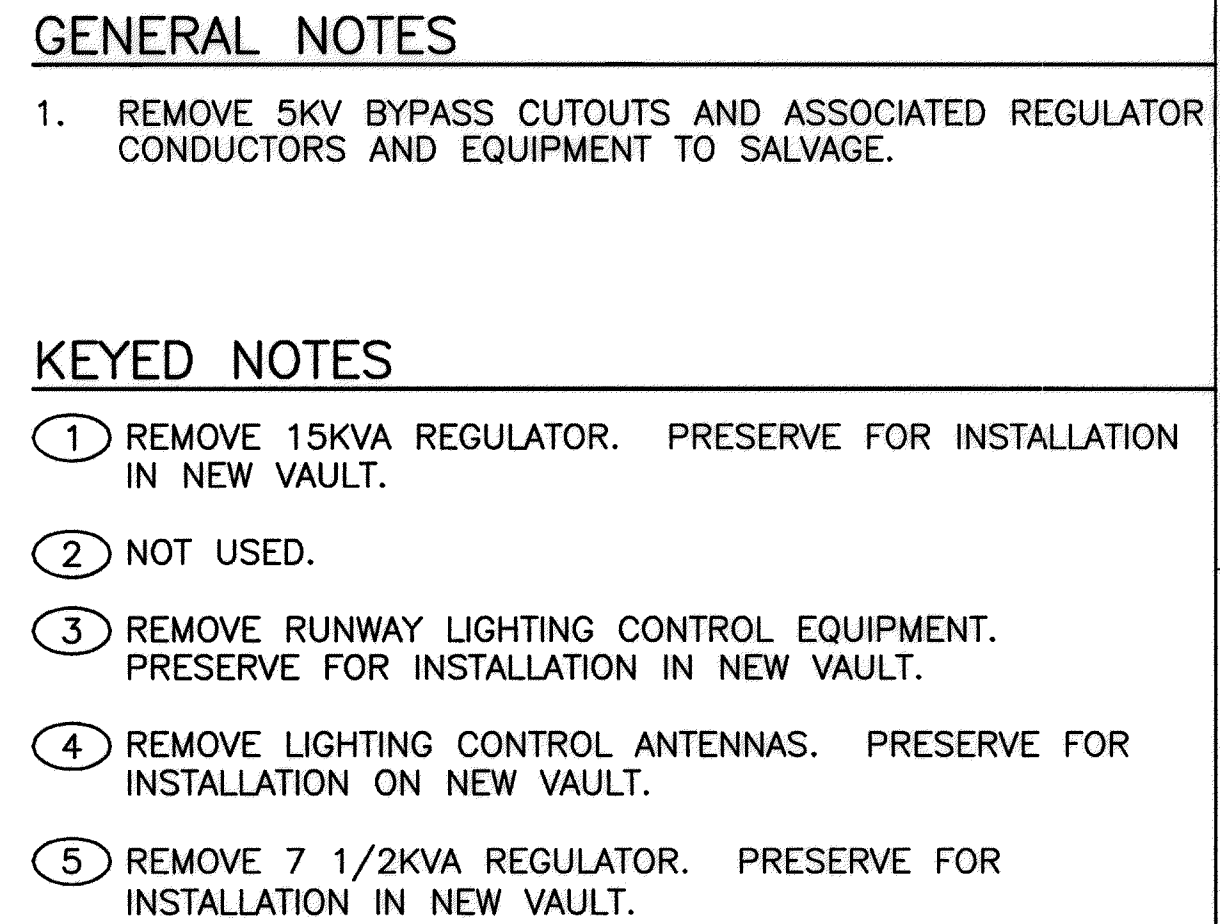
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City Project No.	Zone Map No.	Sheet
725805	E-5 & E-6	E-201 23/27



ELECTRICAL FLOOR PLAN  
SCALE: 1/2"=1'-0"



### KEYED NOTES

- ① REMOVE 15KVA REGULATOR. PRESERVE FOR INSTALLATION IN NEW VAULT.
- ② NOT USED.
- ③ REMOVE RUNWAY LIGHTING CONTROL EQUIPMENT. PRESERVE FOR INSTALLATION IN NEW VAULT.
- ④ REMOVE LIGHTING CONTROL ANTENNAS. PRESERVE FOR INSTALLATION ON NEW VAULT.
- ⑤ REMOVE 7 1/2KVA REGULATOR. PRESERVE FOR INSTALLATION IN NEW VAULT.

[illegible]

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DATE: 10/2011	DRAWN BY: MOLZEN CORBIN
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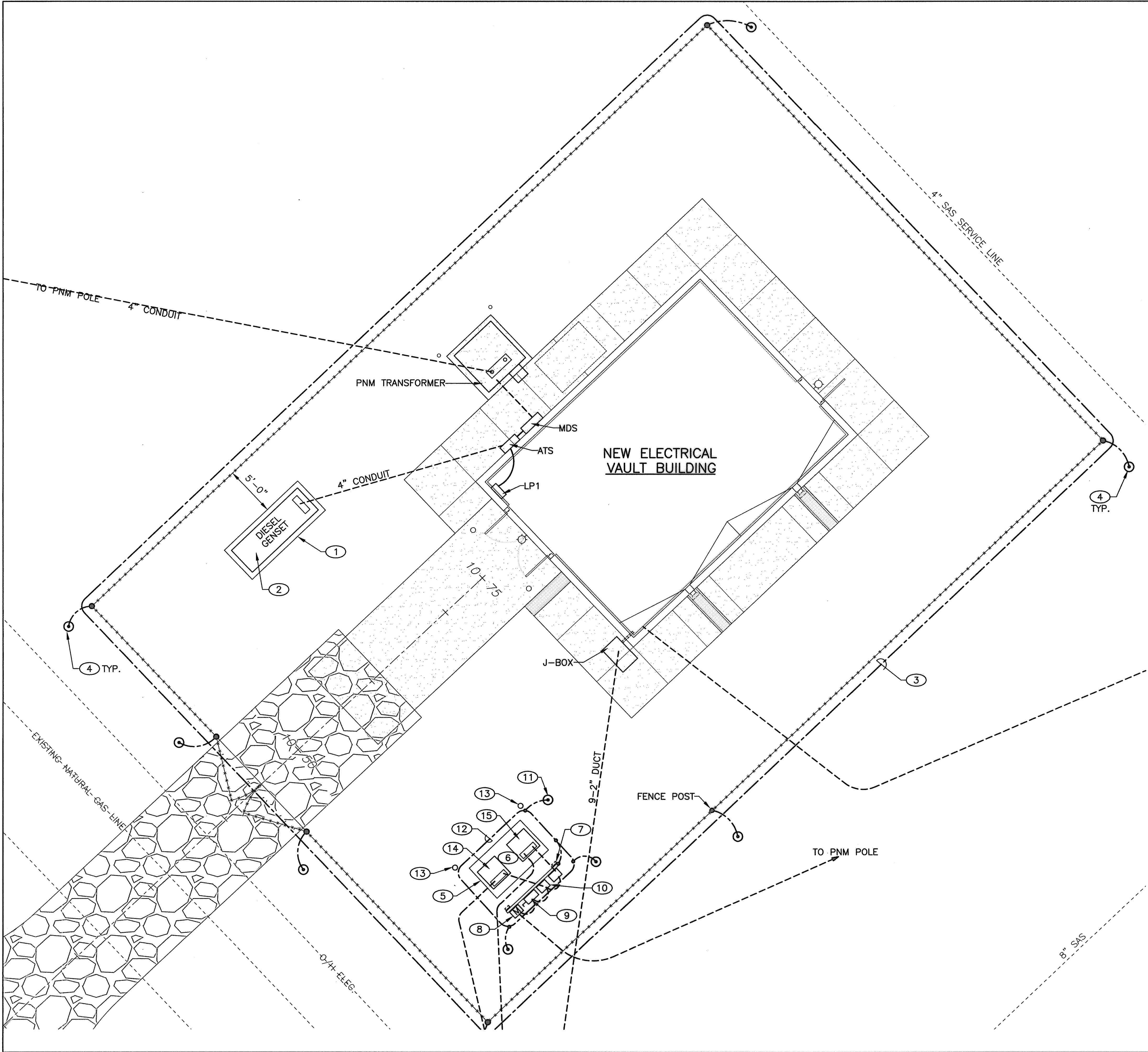
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FAX: 505.242-0873



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ENGINEERS/ARCHITECTS/PLANNERS

<p align="center">CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP</p>				
<p align="center">TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION</p> <p align="center"><b>EXISTING ELECTRICAL VAULT ELECTRICAL DEMOLITION PLAN</b></p>				
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of	
<b>725805</b>	<b>E-5 &amp; E-6</b>	<b>E-201</b>	<b>23</b>	<b>27</b>
<p align="center">480083C-11</p> <p align="center"><b>REDRAWN FOR RECORD PURPOSES</b></p>				

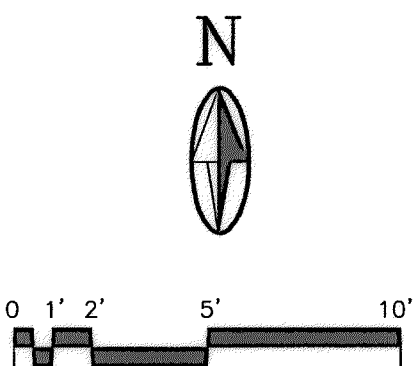




- GENERAL NOTES**
1. GROUNDING OF FENCE, GATE, AND EQUIPMENT PER FAA STANDARD 019e.
  2. CAD WELD GROUNDING CONNECTIONS.
- KEYED NOTES**
- 1 CONCRETE PAD FOR GENSET. SEE DETAIL SHEET E-501.
  - 2 100KW, 208V DIESEL GENERATOR SET.
  - 3 #2/0 BARE COPPER PERIMETER FENCE GROUND.
  - 4 5/8": X 10' GROUND ROD. BOND TO FENCE POST.
  - 5 CONCRETE TRANSFORMER PAD. SEE DETAIL SHEET E-501.
  - 6 INSTALL FAA 15KVA AND 25KVA TRANSFORMERS. REMOVED FROM FORMER SITE.
  - 7 GALVANIZED METAL STRUT FOR EQUIPMENT MOUNTING. EMBED BACK TO BACK STRUT LEGS IN 18" X 24" DEEP CONCRETE. INSTALL 5/8" X 10' VERTICAL AIR TERMINAL ATTACHED TO STRUT.
  - 8 METER ENCLOSURE, PER PNM MS-2-5.0.
  - 9 120/240V 2P NEMA 3R DISCONNECT SWITCH MDS.
  - 10 DISCONNECT SWITCHES DS-M AND DS-L.
  - 11 5/8" X 10' GROUND ROD, BOND TO COUNTERPOISE.
  - 12 #2/0 BARE COPPER COUNTERPOISE.
  - 13 BOLLARDS (2) PER DETAIL SHEET E-501.
  - 14 25KVA 240V/2400V TRANSFORMER (MALSAR).
  - 15 15KVA 240V/2400V TRANSFORMER (LOCALIZER).

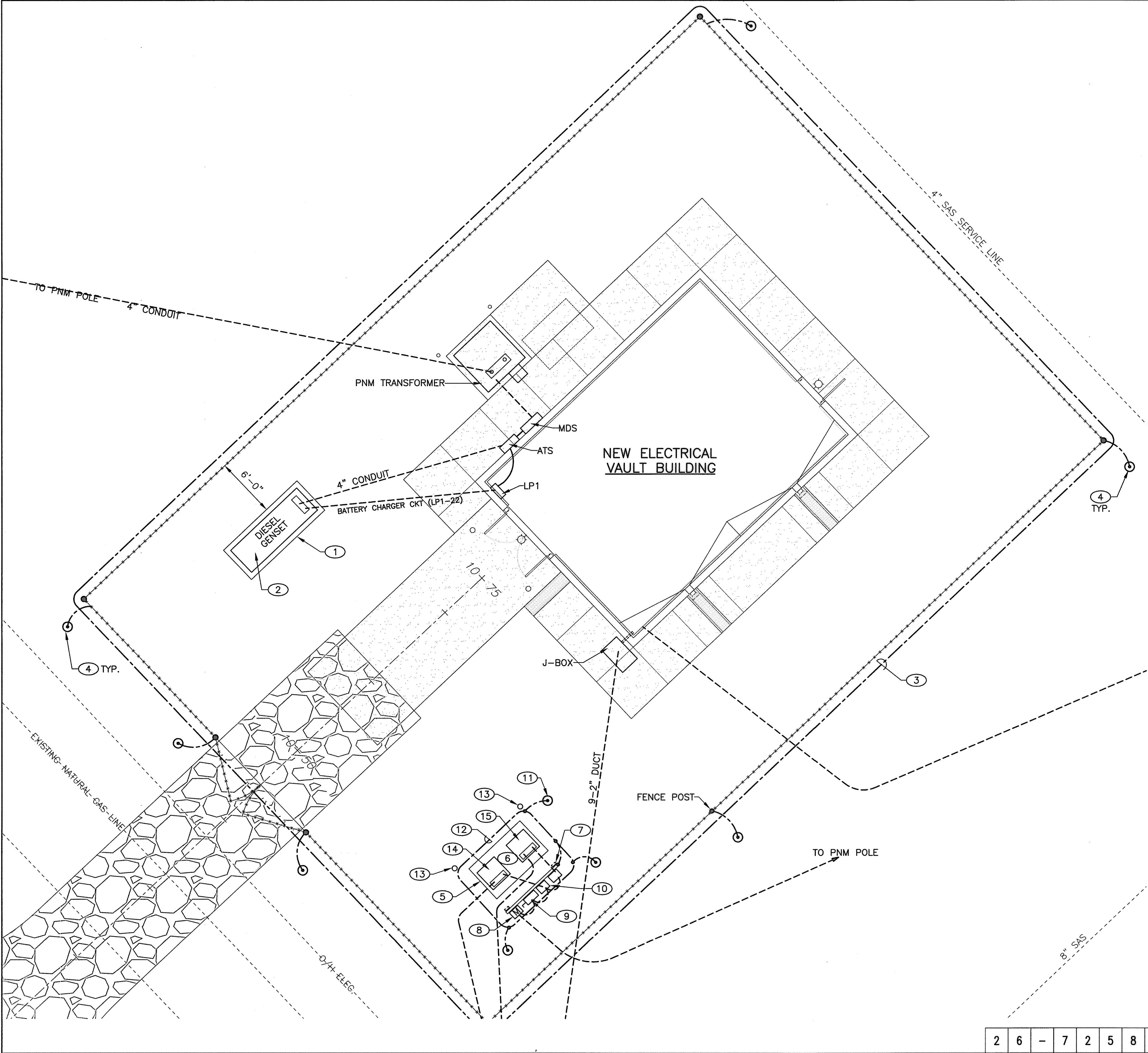
2701 MILES RD SE  
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION			
ELECTRICAL VAULT BUILDING ENLARGED SITE PLAN			
Design Review Committee APPROVE AUG 17 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVAL AUG 17 2010 CITY ENGINEER	Last Design Update	Mo./Day/Yr.     
City Project No. 725805	Zone Map No. E-5 & E-6	Sheet E-401	24/27

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	BY	FIELD NOTES		EAGLE AIR: N=508716.173, E=480267.340 ELEV.=5800.50 N 93 A: N=510472.458, E=480106.729 NM STATE PLANE COORDS, NAD 83 NAVD88	CONTRACTOR		
		NO.	DATE		NO.	DATE	
REVISIONS		MICRO-FILM INFORMATION		CONTRACTOR		RECORDED BY	
NO.	DATE	REMARKS	BY	NO.	DATE	NO.	DATE
DESIGNED BY		BS	DATE	3/30/2010			
DRAWN BY		RLA	DATE	3/30/2010			
CHECKED BY		SES	DATE	3/30/2010			



- GENERAL NOTES**
- GROUNDING OF FENCE, GATE, AND EQUIPMENT PER FAA STANDARD 019e.
  - CAD WELD GROUNDING CONNECTIONS.
- KEYED NOTES**
- CONCRETE PAD FOR GENSET. SEE DETAIL SHEET E-501.
  - 100KW, 208V DIESEL GENERATOR SET.
  - #2/0 BARE COPPER PERIMETER FENCE GROUND.
  - 5/8": X 10' GROUND ROD. BOND TO FENCE POST.
  - CONCRETE TRANSFORMER PAD. SEE DETAIL SHEET E-501.
  - INSTALL FAA 15KVA AND 25KVA TRANSFORMERS. REMOVED FROM FORMER SITE.
  - GALVANIZED METAL STRUT FOR EQUIPMENT MOUNTING. EMBED BACK TO BACK STRUT LEGS IN 18" X 24" DEEP CONCRETE. INSTALL 5/8" X 10' VERTICAL AIR TERMINAL ATTACHED TO STRUT.
  - METER ENCLOSURE, PER PNM MS-2-5.0.
  - 120/240V 2P NEMA 3R DISCONNECT SWITCH MDS.
  - DISCONNECT SWITCHES DS-M AND DS-L.
  - 5/8" X 10' GROUND ROD, BOND TO COUNTERPOISE.
  - #2/0 BARE COPPER COUNTERPOISE.
  - BOLLARDS (2) PER DETAIL SHEET E-501.
  - 25KVA 240V/2400V TRANSFORMER (MALSAR).
  - 15KVA 240V/2400V TRANSFORMER (LOCALIZER).

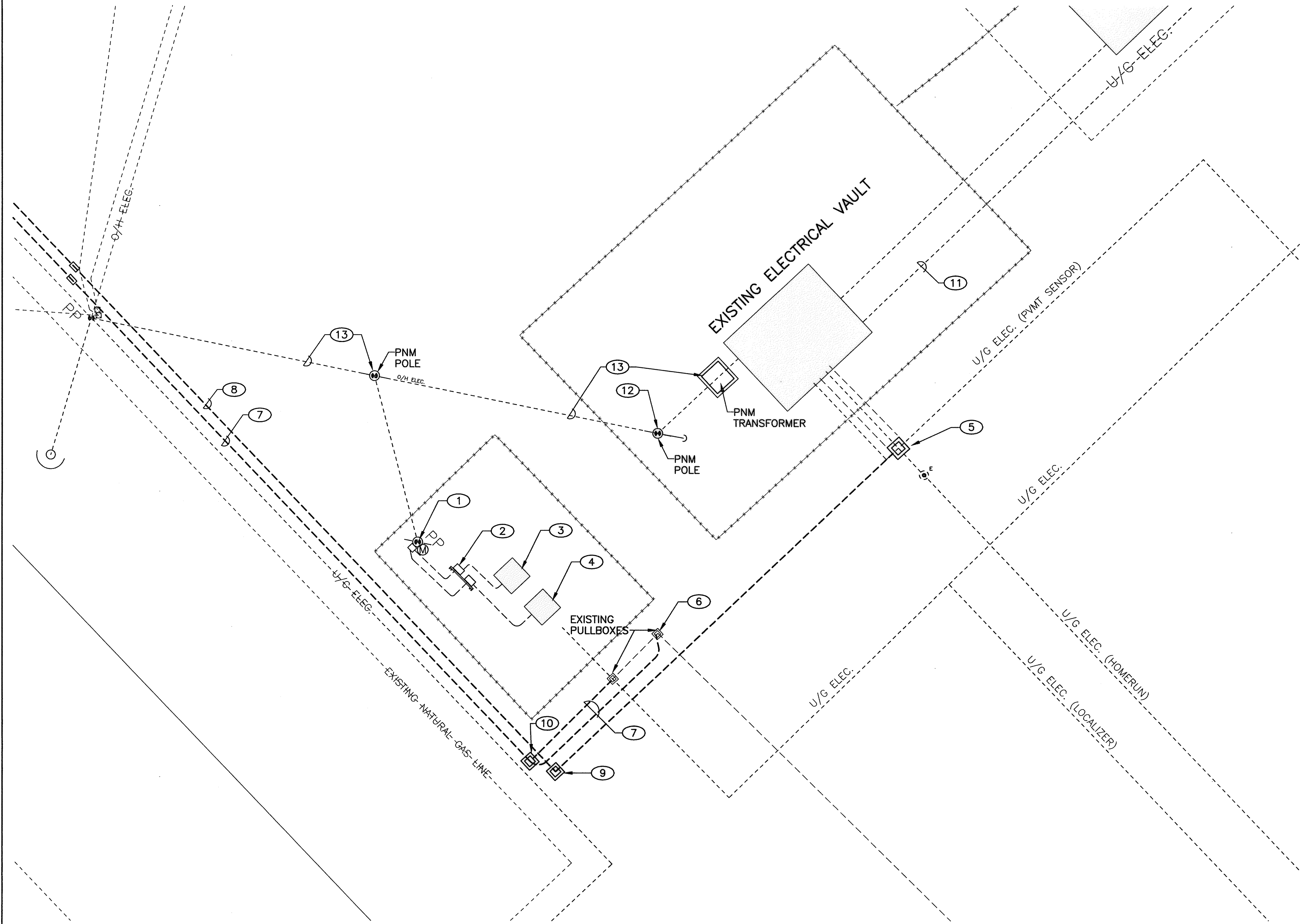
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DATE: 10/2011 DRAWN BY: MOLZEN CORBIN  
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ENGINEERS/ARCHITECTS/PLANNERS

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION <b>ELECTRICAL VAULT BUILDING ENLARGED SITE PLAN</b>			
Design Review Committee	City Engineer Approval	Last Design Update	
City Project No.	Zone Map No.	Sheet	Of
725805	E-5 & E-6	E-401	24/27

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	FIELD NOTES	DATE	EAGLE AIR: N=508716.173, E=480267.340	CONTRACTOR	LONE MOUNTAIN CONTRACTING, INC.	
				ELEV.=5800.50	STARTED BY	LONE MOUNTAIN	
					ACCEPTANCE BY	DATE	
					FIELD DRAWINGS	DATE	
					REVISION BY	DATE	
					CORRECTED BY	DATE	
					MICRO-FILM INFORMATION		
					RECORDED BY	DATE	
					NO.		





GENERAL NOTES

1. RETURN REMOVED EQUIPMENT TO DESIGNATED AIRPORT REPRESENTATIVE.
2. COORDINATE OUTAGE AND REMOVALS WITH AIRPORT REPRESENTATIVE.
3. REMOVE CONDUCTORS AT FAA INSTALLATION AND ABANDON CONDUITS.

KEYED NOTES

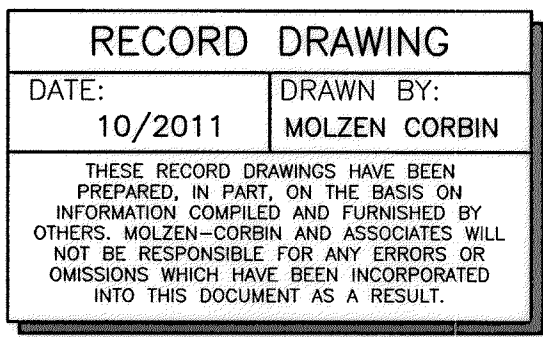
- 1 REMOVE METER POLE AND DISCONNECT.
- 2 REMOVE METER FRAME AND DISCONNECT SWITCHES.
- 3 REMOVE FAA 25KVA TRANSFORMER. PRESERVE FOR RE-INSTALLATION.
- 4 REMOVE FAA 15KVA TRANSFORMER. PRESERVE FOR RE-INSTALLATION.
- 5 INSTALL 24" X 36" X 30" COMPOSITE JUNCTION BOX. ROUTE ALL 5KV LIGHTING CIRCUITS IN AND CONNECT TO NEW CABLES, (L-823 CONNECTORS). TAG EACH CIRCUIT FOR IDENTIFICATION. "ELECTRIC" LOGO ON GASKETED LID.
- 6 CONNECT NEW 5KV CABLES TO EXISTING CABLE IN PULLBOX.
- 7 2-2" PVC DUCT (FAA).
- 8 9-2" PVC DUCT (AIRFIELD LIGHTING).
- 9 24" X 36" X 30" COMPOSITE PULLBOX. "ELECTRIC" LOGO ON GASKETED LID. TAG CABLES FOR IDENTIFICATION.
- 10 13" X 24" COMPOSITE PULL BOX. "ELECTRIC" LOGO ON GASKETED LID.
- 11 ABANDON 480V CIRCUIT TO MAIN GATE PANEL.
- 12 REMOVE RMC RISER AFTER PNM HAS REMOVED CABLES.
- 13 PNM TO REMOVE POLES, TRANSFORMER, AND WIRE.

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**MOLZEN-CORBIN & Associates**  
ENGINEERS/ARCHITECTS/PLANNERS

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION <b>EXISTING ELECTRICAL VAULT BUILDING ENLARGED SITE PLAN</b>			
Design Review Committee <b>APPROVE</b> AUG 17 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval <b>APPROVE</b> AUG 17 2010 CITY ENGINEER	Last Design Update	
City Project No. <b>725805</b>	Zone Map No. <b>E-5 &amp; E-6</b>	Sheet <b>E-402</b>	25/27

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	16 August 2010	NO.	BY	DATE	EAGLE AIR: N=508716.173, E=480267.340 ELEV.=5800.50	CONTRACTOR	DATE
						STARTED BY	DATE
						INSPECTED BY	DATE
						FIELD ACCEPTANCE BY	DATE
						FIELD CORRECTION BY	DATE
						RECORDED BY	DATE
						NO.	



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2	6	-	7	2	5	8	.	0	5	-	1	1	City Project No. <b>725805</b>	Zone Map No. <b>E-5 &amp; E-6</b>	Sheet <b>E-402</b>	Of <b>25/27</b>
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N



## GENERAL NOTES

1. RETURN REMOVED EQUIPMENT TO DESIGNATED AIRPORT REPRESENTATIVE.
2. COORDINATE OUTAGE AND REMOVALS WITH AIRPORT REPRESENTATIVE.
3. REMOVE CONDUCTORS AT FAA INSTALLATION AND ABANDON CONDUITS.

## KEYED NOTES

- ① REMOVE METER POLE AND DISCONNECT.
- ② REMOVE METER FRAME AND DISCONNECT SWITCHES.
- ③ REMOVE FAA 25KVA TRANSFORMER. PRESERVE FOR RE-INSTALLATION.
- ④ REMOVE FAA 15KVA TRANSFORMER. PRESERVE FOR RE-INSTALLATION.
- ⑤ INSTALL 24" X 36" X 30" COMPOSITE JUNCTION BOX. ROUTE ALL 5KV LIGHTING CIRCUITS IN AND CONNECT TO NEW CABLES, (L-823 CONNECTORS). TAG EACH CIRCUIT FOR IDENTIFICATION. "ELECTRIC" LOGO ON GASKETED LID.
- ⑥ CONNECT NEW 5KV CABLES TO EXISTING CABLE IN PULLBOX.
- ⑦ 2-2" PVC DUCT (FAA).
- ⑧ 9-2" PVC DUCT (AIRFIELD LIGHTING, WIND CONE, BEACON, AWOS, PVMT SENSOR).
- ⑨ 24" X 36" X 30" COMPOSITE PULLBOX. "ELECTRIC" LOGO ON GASKETED LID. TAG CABLES FOR IDENTIFICATION.
- ⑩ 13" X 24" COMPOSITE PULL BOX. "ELECTRIC" LOGO ON GASKETED LID.
- ⑪ ABANDON 480V CIRCUIT TO MAIN GATE PANEL.
- ⑫ REMOVE RMC RISER AFTER PNM HAS REMOVED CABLES.
- ⑬ PNM TO REMOVE POLES, TRANSFORMER, AND WIRE.

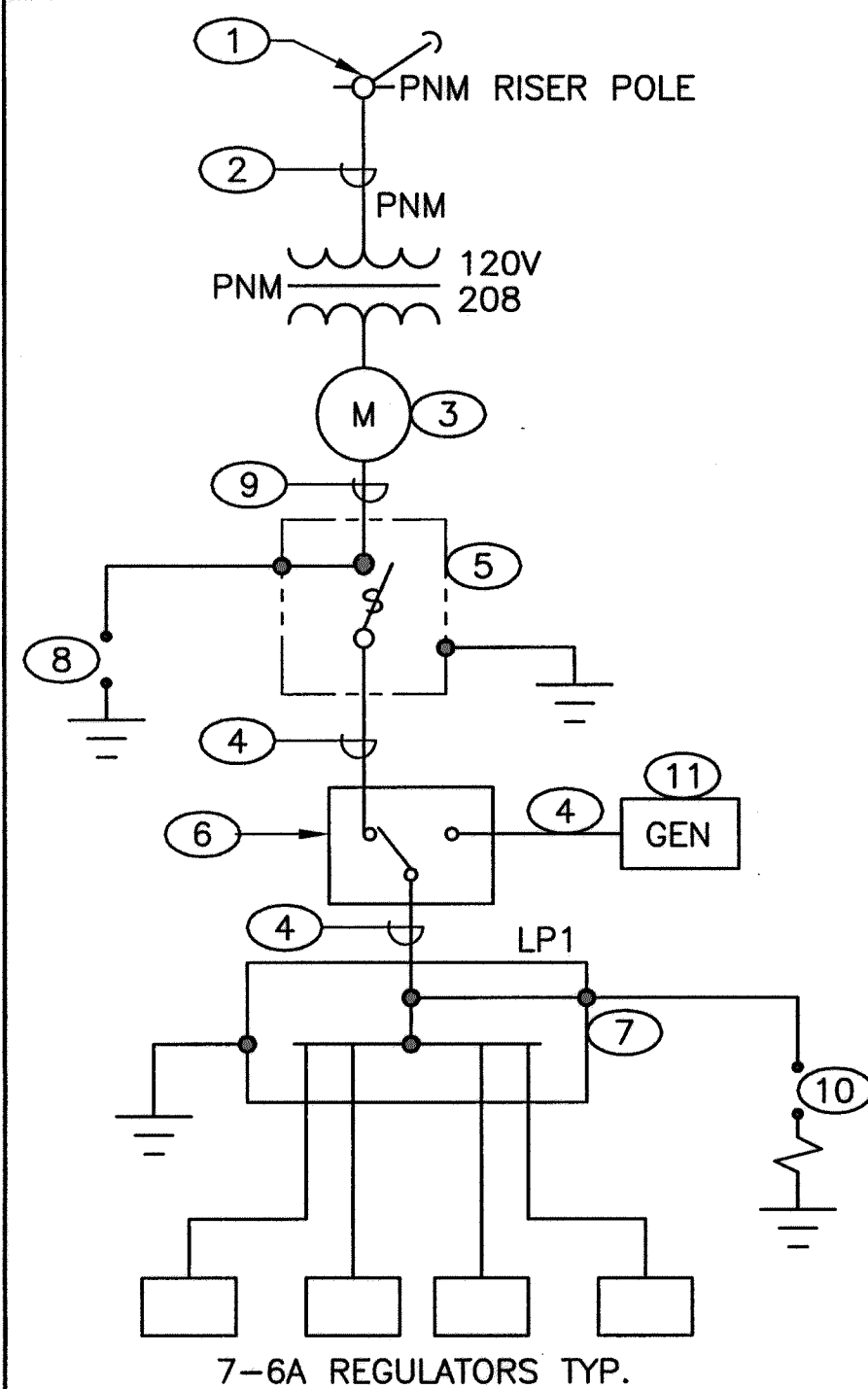
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EAB-402	10/4/11	1:1
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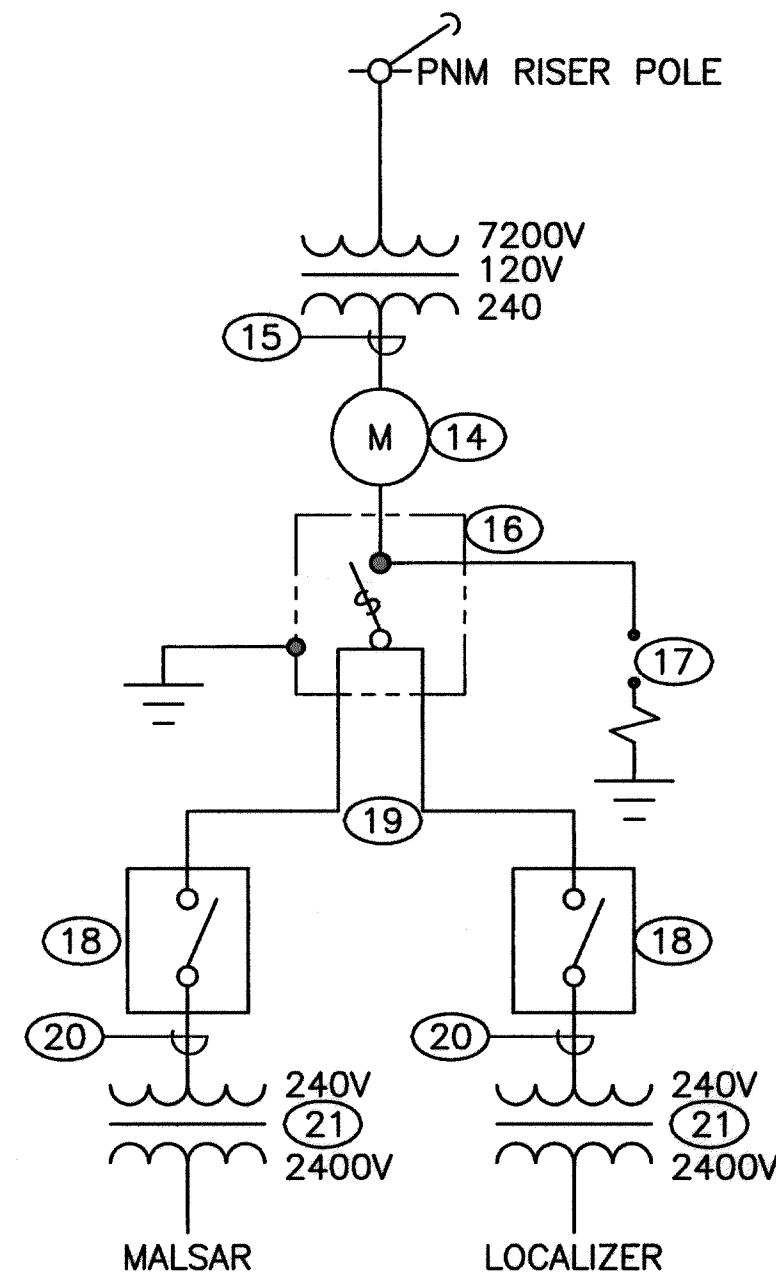
© COPYRIGHT ABQ082G-11

REDRAWN FOR RECORD PURPOSES

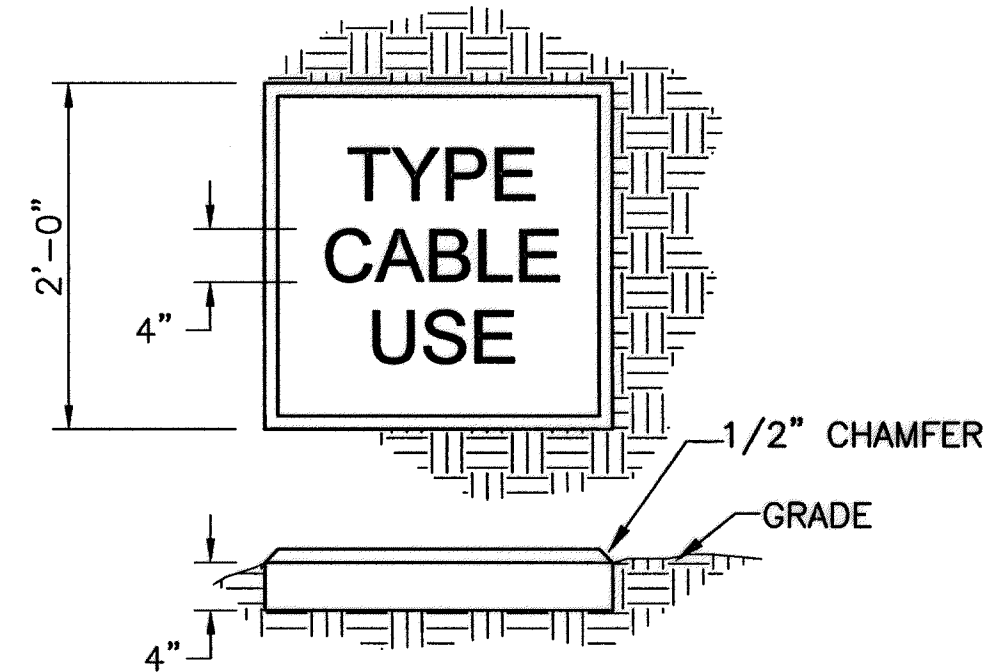




**LIGHTING VAULT ELECTRICAL ONE-LINE DIAGRAM**  
SCALE: NONE



**FAA FACILITY ONE-LINE DIAGRAM**  
SCALE: NONE



- NOTES:**
1. LETTERS HAVE A STROKE WIDTH OF 1/2" AND 1/4" DEPTH.
  2. CABLE MARKERS TO BE INSTALLED DIRECTLY ABOVE CABLE.
  3. PLACE EACH CABLE MARKER ALONG CABLE RUN AND AT EACH CHANGE OF DIRECTION. DISTANCE BETWEEN ANY TWO CABLE MARKERS SHALL NOT EXCEED 200'.
  4. MARKER DESIGNATION SHOULD REFLECT TYPE AND USE OF CABLE BEING MARKED.

**CABLE MARKER DETAIL**  
SCALE: NONE

LUMINAIRE SCHEDULE			
ITEM #	DESCRIPTION	MANUFACTURER*	LAMPS
1	2-TUBE, 32W 1X4 FLUOR. WITH WIRE GUARD	METALUX DI	4'-32W FLUORESCENT
2	50W HPS WALL MOUNT	LUMMARK WY	50HPS
* OR ENGINEER APPROVED SUBSTITUTE			

LP1				RUNWAY LIGHTING VAULT			
CKT. NO.	TRIP/POLES	LOAD SERVED	PHASE	LOAD SERVED	TRIP/POLES	CKT. NO.	
1	50/2	RWY 4-22 LIGHT	31 A 23	TAXIWAY A SOUTH	40/2	2	
3		REGULATOR	31 B 23	LIGHT REGULATOR		4	
5	30/2	TAXIWAY A NORTH	12 C 30	RUNWAY 17-35 LIGHT	50/2	6	
7		LIGHT REGULATOR	12 A 30	REGULATOR		8	
9	50/2	TAXIWAY B SOUTH	31 B 40	TAXIWAY B NORTH	50/2	10	
11		LIGHT REGULATOR	31 C 40	LIGHT REGULATOR		12	
13	30/2	TAXIWAY C LIGHT	18 A 2	RADIO CONTROLS	20/1	14	
15		REGULATOR	18 B 5	ENGINE COOLANT	20/2	16	
17	20/1	VAULT RECEPTACLES	10 C 5	HEATER	20/1	18	
19	20/1	LIGHTING	5 A 5	EXHAUST FAN		20	
21	20/1	OUTSIDE RECEPTS.	15 B			22	
23	20/1	BATTERY CHARGER	2 C			24	
25	40/3	A/C	30 A			26	
27		RTU-1	30 B			28	
29			30 C			30	
31			A			32	
33			B			34	
35			C			36	
37			A			38	
39			B			40	
41			C			42	

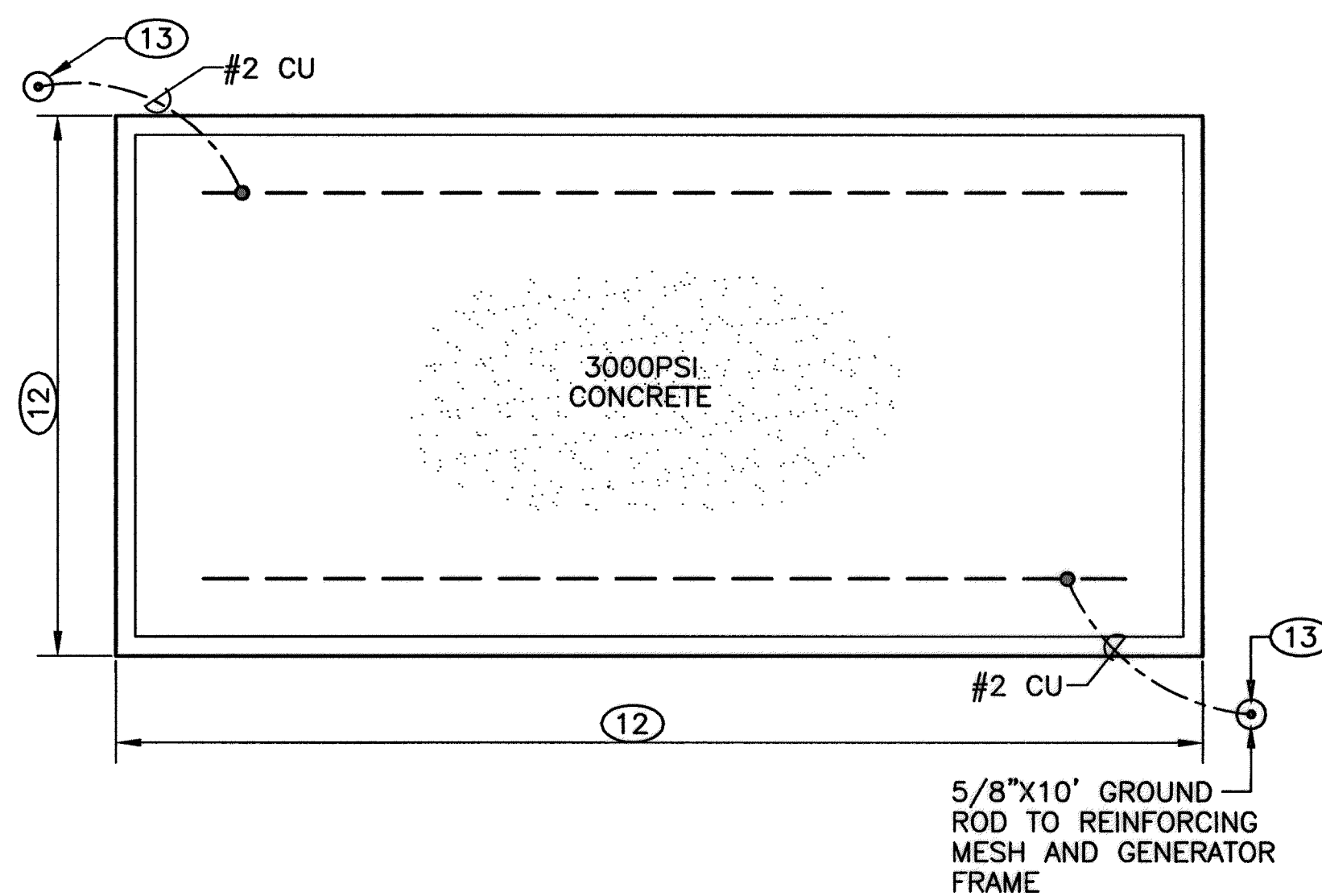
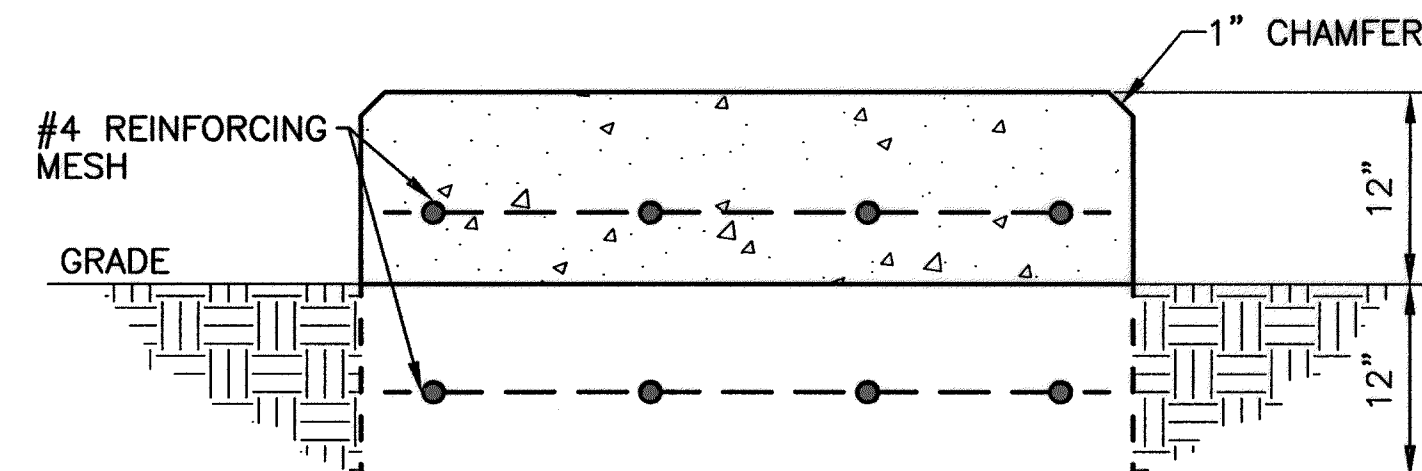
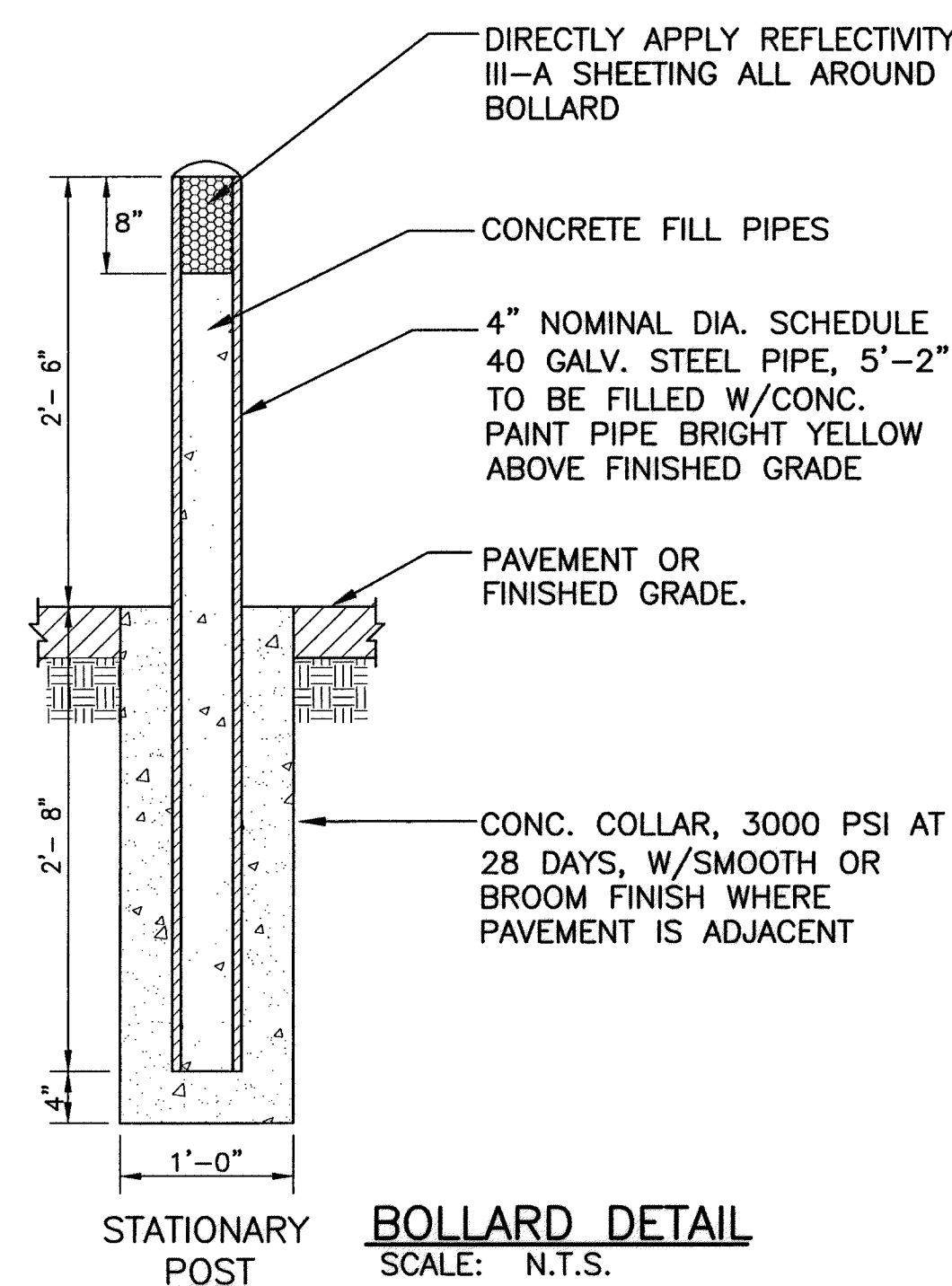
L-N VOLTS 120  
L-L VOLTS 208  
3 Ph 4 W  
POLES 42  
BUS AMPS 400  
MCB AMPS 300  
CB AIC 10000  
AVAIL FLT <10000

Ph A = 156 Amps  
Ph B = 193 Amps  
Ph C = 160 Amps  
125% = 241 Amps  
70 kVA

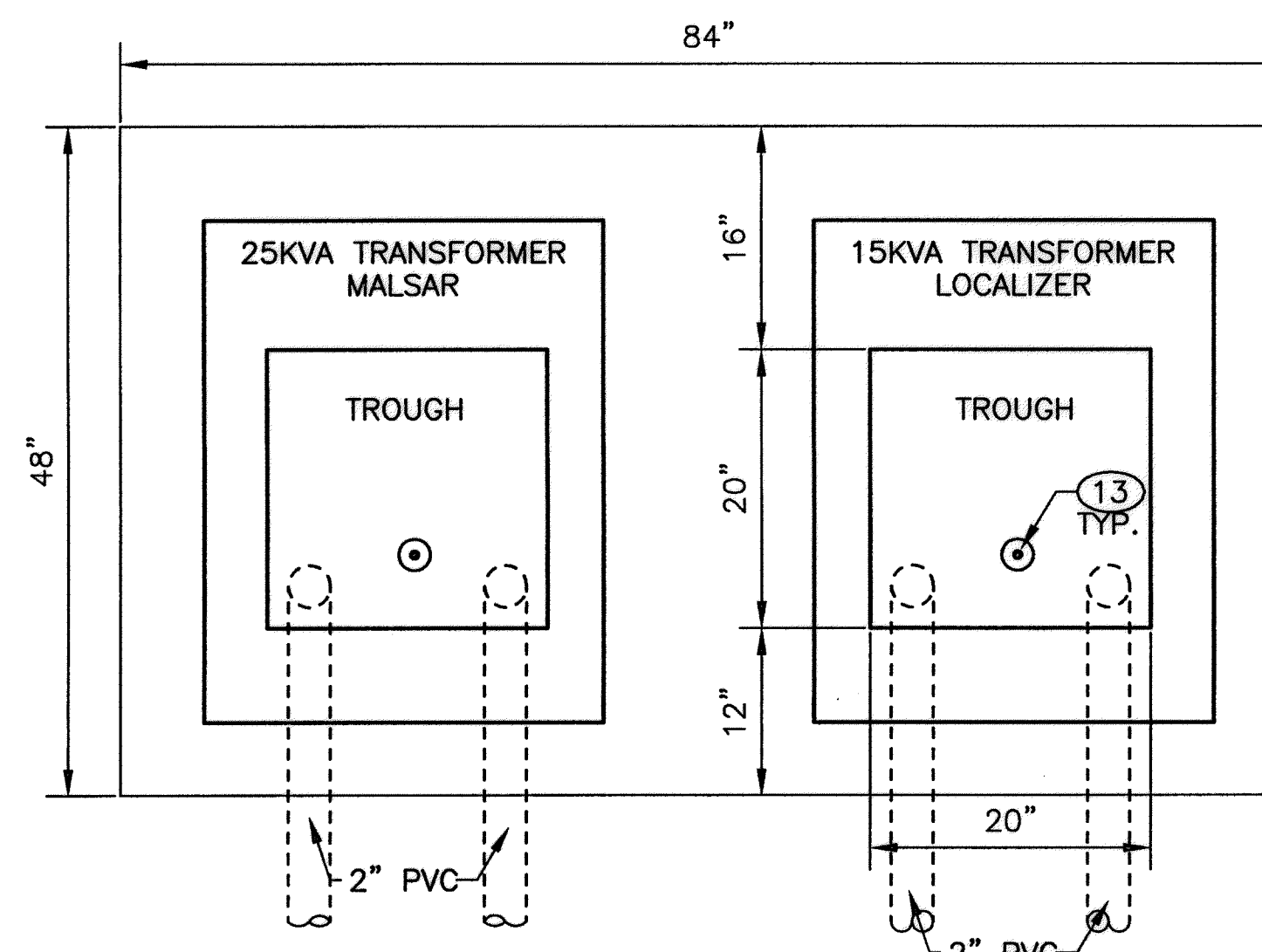
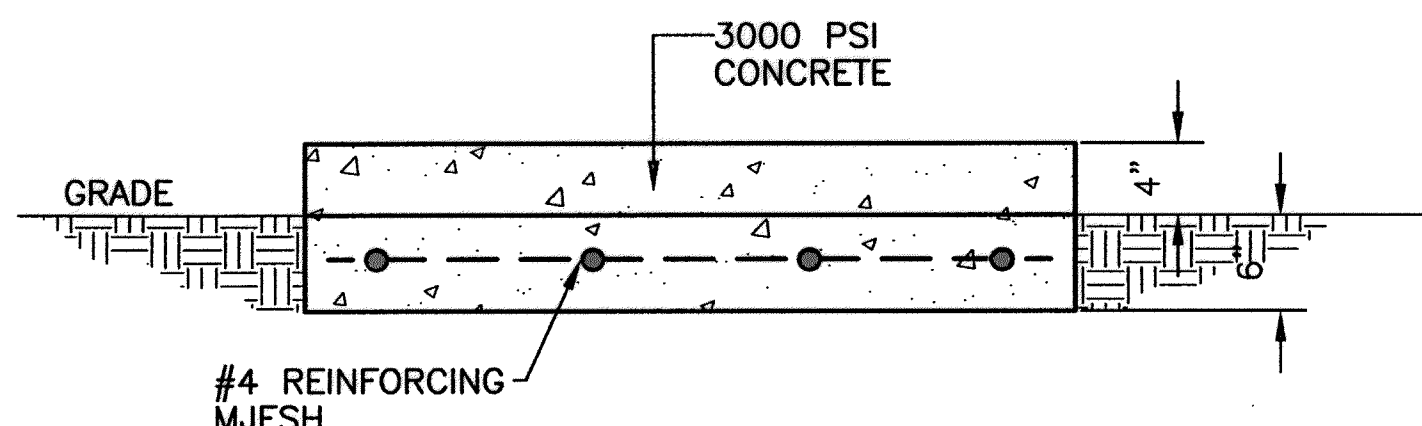
ENCLOSURE: NEMA 1

## KEYED NOTES

- 1 4" RMC RISER PER PNM DS-DS-7-15.0.
- 2 4" CONDUIT WITH PULL CORD PER PNM DS-7-15.0.
- 3 METER ENCLOSURE MOUNTED ON PNM TRANSFORMER PER PNM DS-2-7.0.
- 4 4" CONDUIT WITH 4-500KCMIL THWN AND 1 #3 GROUND.
- 5 400A NEMA 3R DISCONNECT SWITCH SUITABLE AS SERVICE EQUIPMENT. FUSE AT 300 AMPS.
- 6 400A AUTOMATIC TRANSFER SWITCH IN NEMA 3R ENCLOSURE.
- 7 400A, NEMA1, 42 POLE 4 WIRE PANEL, LP1.
- 8 SURGE ARRESTER.
- 9 4" CONDUIT WITH 4 #500 KCMIL THWN 2.
- 10 INSTALL 3 Ø 208V TYPE 2 SPD.
- 11 100KW, 120/208V DIESEL GENERATOR SET.
- 12 PAD DIMENSIONS NOMINAL 6" LARGER THAN BASE TANK ALL AROUND.
- 13 5/8" X 10" GROUND ROD.
- 14 200A METER BASE PER PNM MS-2-5.0.
- 15 RISER AND SERVICE PER PNM DS-4-9.5. 2 1/2" CONDUIT WITH 3 #3/0 THWN 2 AND #6 GROUND.
- 16 200A 240V 2P, NEMA 3 FUSED MAIN DISCONNECT SWITCH.
- 17 240V 1Ø TYPE 2 SPD.
- 18 100A FUSED 2P FUSED DISCONNECT SWITCH. LABEL.
- 19 2- 1 1/2" CONDUITS WITH 3 #3 THWN AND 1 #8 GRD IN EACH.
- 20 1 1/2" CONDUIT WITH 3 #3 THWN AND 1 #8 GRD.
- 21 FAA FURNISHED TRANSFORMERS (RELOCATED).
- 22 SIZE FOR HEATER FURNISHED.



**GENSET PAD DETAIL**  
SCALE: NONE



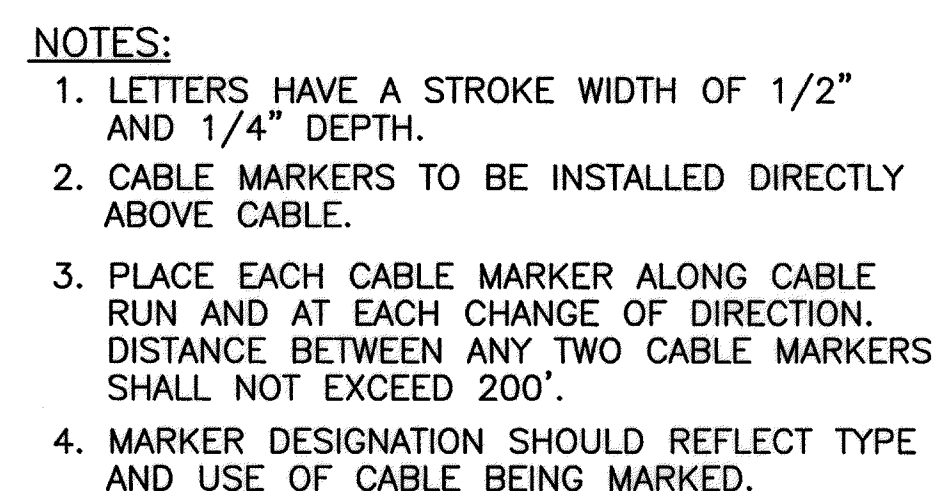
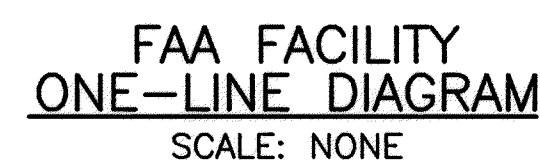
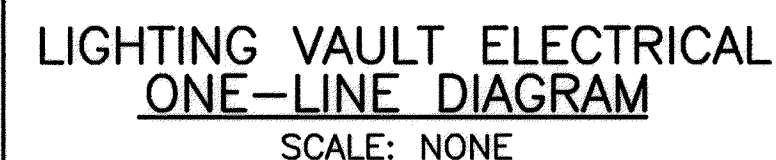
**FAA TRANSFORMER PAD**  
SCALE: NONE

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**MOLZEN-CORBIN & Associates**  
ENGINEERS/ARCHITECTS/PLANNERS

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION			
ELECTRICAL ONE-LINE DIAGRAM DETAILS AND SCHEDULES			
Design Review Committee APPROVE AUG 17 2010 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVE AUG 17 2010 CITY ENGINEER	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	
725805	E-5 & E-6	E-501	26/27





CABLE MARKER DETAIL  
SCALE: NONE

LUMINAIRE SCHEDULE			
ITEM #	DESCRIPTION	MANUFACTURER*	LAMPS
1	2-TUBE, 32W 1X4 FLUOR. WITH WIRE GUARD	METALUX DI	4'-32W FLUORESCENT
2	50W HPS WALL MOUNT	LUMMARK WY	50HPS
	* OR ENGINEER APPROVED SUBSTITUTE.		

LP1				RUNWAY LIGHTING VAULT				
CKT. NO.	TRIP/ POLES	LOAD SERVED	PHASE		LOAD SERVED	TRIP/ POLES	CKT. NO.	
			AMPS	AMPS				
1	50/2	RWY 4-22 LIGHT	31	A	23	40/2	2	
3		REGULATOR	31	B	23		4	
5	30/2	TAXIWAY A NORTH	12	C	30		50/2	6
7		LIGHT REGULATOR	12	A	30		8	
9	50/2	TAXIWAY B SOUTH	31	B	40	50/2	10	
11		LIGHT REGULATOR	31	C	40		12	
13	30/2	TAXIWAY C LIGHT	18	A	2		20/1	14
15		REGULATOR	18	B	5	20/2	16	
17	20/1	VAULT RECEPTACLES	10	C	5		HEATER (22)	18
19	20/1	LIGHTING	5	A	5		EXHAUST FAN	20/1
21	20/1	OUTSIDE RECEPTS.	15	B			GEN BATTERY CHARGER	22
23	20/1	BATTERY CHARGER	2	C			WIND CONE	24
25	40/3	A/C	30	A			BEACON	26
27		RTU-i	30	B			PAVEMENT SENSOR	28
29			30	C				30
31				A				32
33	20/3	SURGE SUPPRESSOR		B				34
35				C				36
37	20/2	AWOS		A				38
39				B				40
41				C				42

L-N VOLTS 120	
L-L VOLTS 208	
3 Ph 4 W	Ph A = 156 Amps
POLES 42	Ph B = 193 Amps
	Ph C = 160 Amps
BUS AMPS 400	125% = 241 Amps
MCB AMPS 300	70 kVA
CB AIC 10000	
AVAIL FLT <10000	

ENCLOSURE: NEMA 1

- (1) 4" RMC RISER PER PNM DS-MS-7-15.0.
- (2) 4" CONDUIT WITH PULL CORD PER PNM DS-7-15.0.
- (3) METER ENCLOSURE MOUNTED ON PNM TRANSFORMER PER PNM DS-2-7.0.
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- (19) 2- 1 1/2" CONDUITS WITH 3 #3 THWN AND 1 #8 GRD IN EACH.
- (20) 1 1/2" CONDUIT WITH 3 #3 THWN AND 1 #8 GRD.
- (21) FAA FURNISHED TRANSFORMERS (RELOCATED).
- (22) SIZE FOR HEATER FURNISHED.



RECORD DRAWING	
DATE: 10/2011	DRAWN BY: MOLZEN CORBIN
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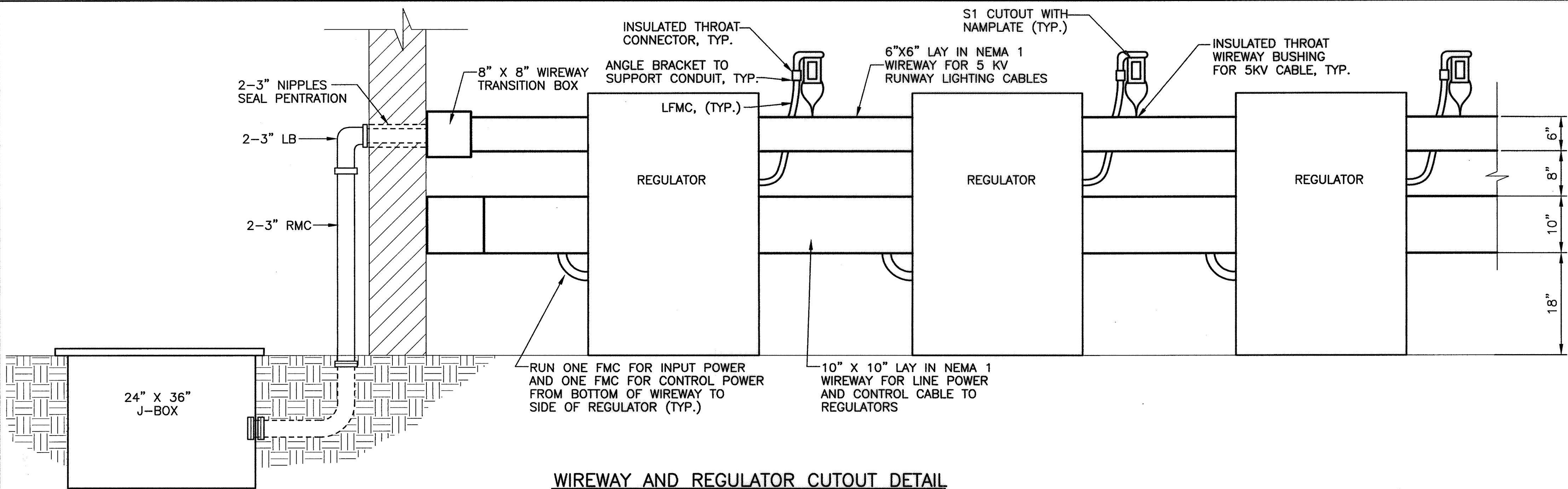
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ALBUQUERQUE, NM 87106  
TEL: 505.242-5700  
FAX: 505.242-0621

**MOLZEN-CORBIN** & Associates  
ENGINEERS/ARCHITECTS/PLANNERS

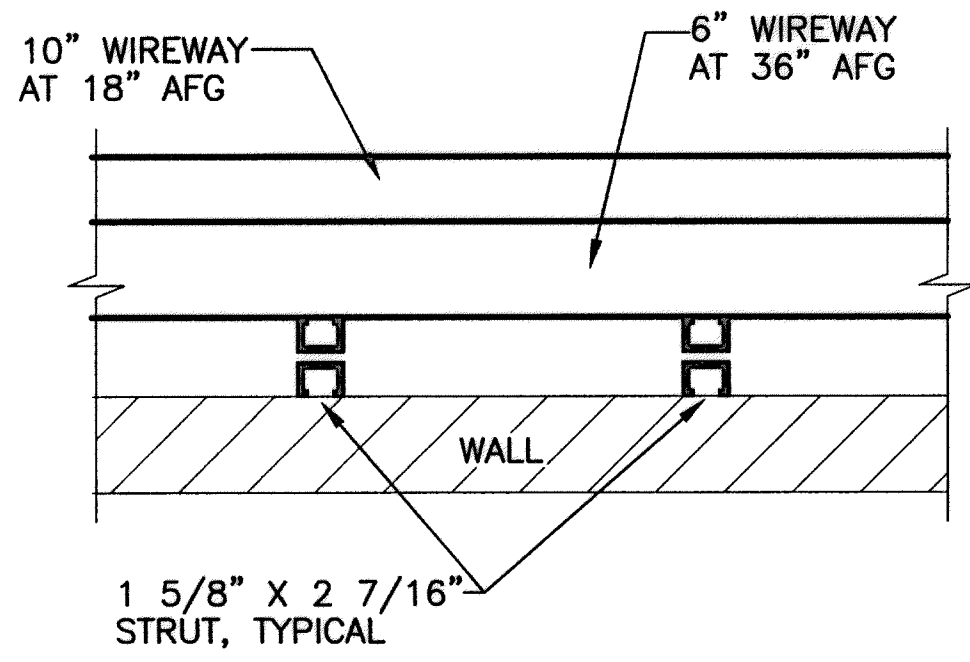
CITY OF ALBUQUERQUE	
PUBLIC WORKS DEPARTMENT	
ENGINEERING DEVELOPMENT GROUP	
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION	
ELECTRICAL ONE—LINE DIAGRAM	
DETAILS AND SCHEDULES	

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of	
725805	E-5 & E-6	E-501	26/27	

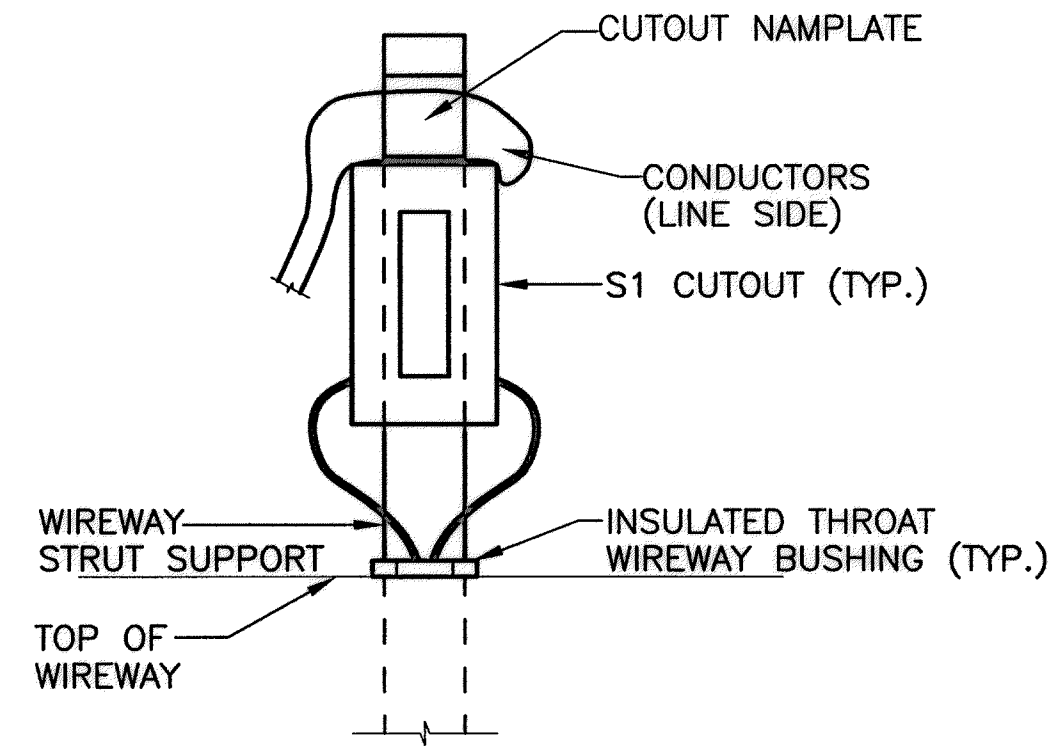




WIREWAY AND REGULATOR CUTOUT DETAIL  
SCALE: NONE



WIREWAY SUPPORT DETAIL  
SCALE: NONE



REGULATOR CUTOUT DETAIL  
SCALE: NONE

GENERAL NOTES

1. AT ALL LOCATIONS WHERE WIREWAY IS SUPPORTED FROM THE WALL, MOUNT ON 1 5/8" WIDE BY 2 7/16" DEEP STRUT. RUN ANY CONDUITS BEHIND WIREWAYS.

REMOVE AND REPLACE EXISTING SIGN PANEL (1) WITH NEW SIGN PANEL AS SHOWN (EXIST. SIGN: A.D.G. SIZE 1, STYLE 2, CLASS 2, LED)

REMOVE AND REPLACE EXISTING SIGN PANELS (3) WITH NEW SIGN PANELS AS SHOWN (EXIST. SIGN: A.D.G. SIZE 1, STYLE 2, CLASS 2, LED)

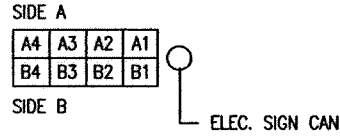
REMOVE AND REPLACE EXISTING SIGN PANEL (1) WITH NEW SIGN PANEL AS SHOWN (EXIST. SIGN: A.D.G. SIZE 1, STYLE 2, CLASS 2, LED)

REMOVE AND REPLACE EXISTING SIGN PANELS (2) WITH NEW SIGN PANELS AS SHOWN (EXIST. SIGN: A.D.G. SIZE 1, STYLE 2, CLASS 2, LED)

SIGN NO.	SIZE	STYLE	CLASS	# MOD	COLOR MOD A1	COLOR MOD A2	COLOR MOD A3	COLOR MOD B1	COLOR MOD B2	COLOR MOD B3
27	1	2	2	3	EXIST TO REMAIN	EXIST TO REMAIN	EXIST TO REMAIN	EXIST TO REMAIN	B A1	B ←
28	1	2	2	1	EXIST TO REMAIN			L A1		
29	1	2	2	3	EXIST TO REMAIN	EXIST TO REMAIN	EXIST TO REMAIN	BLANK	B A1	B ←
30	1	2	2	1	B A1 →			EXIST TO REMAIN		

7 REPLACEMENT PANEL MODULES TOTAL

L= YELLOW LEGEND AND BORDER ON BLACK BACKGROUND  
B= BLACK LEGEND ON YELLOW BACKGROUND  
R= WHITE LEGEND ON RED BACKGROUND WITH BLACK OUTLINE ON WHITE LEGEND  
W= WHITE LEGEND ON BLACK BACKGROUND  
BLANK= BLANK FACE (SOLID BLACK BACKGROUND)

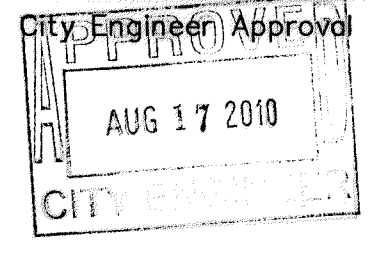


AIRFIELD SIGNAGE IMPROVEMENTS PLAN  
SCALE: NONE

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ENGINEERS/ARCHITECTS/PLANNERS

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP  
TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION

ELECTRICAL DETAILS



City Project No. 725805

Zone Map No. E-5 & E-6

Sheet E-502 27/27

AS BUILT INFORMATION				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	WORK	DATE	DATE	NO.	BY	DATE	DATE	NO.	DATE	REMARKS	BY
EAGLE AIR: N=508716.173, E=480267.340	ELEV.=5800.50										
INSPECTED BY	DATE	DATE	DATE								
ACCEPTANCE BY	DATE	DATE	DATE								
VERIFICATION BY	DATE	DATE	DATE								
DRAWINGS	DATE	DATE	DATE								
CORRECTED BY	DATE	DATE	DATE								
MICRO-FILM INFORMATION	DATE	DATE	DATE								
RECORDED BY	DATE	DATE	DATE								
NO.											

REUSED



SCALE: NONE



SCALE: NONE



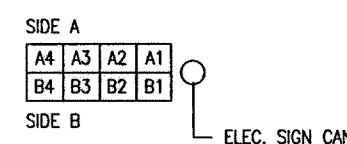
SCALE: NONE



SCALE: NONE

7 REPLACEMENT PANEL MODULES TOTAL

L= YELLOW LEGEND AND BORDER ON BLACK BACKGROUND  
B= BLACK LEGEND ON YELLOW BACKGROUND  
R= WHITE LEGEND ON RED BACKGROUND WITH BLACK OLUTLINE ON WHITE LEGEND  
W= WHITE LEGEND ON BLACK BACKGROUND  
BLANK= BLANK FACE (SOLID BLACK BACKGROUND)



REMOVE AND REPLACE EXISTING -  
SIGN PANELS (2) WITH NEW SIGN  
PANELS AS SHOWN (EXIST. SIGN:  
A.D.G. SIZE 1, SYLE 2, CLASS 2,  
LED)

REMOVE AND REPLACE EXISTING  
SIGN PANEL (1) WITH NEW SIGN  
PANEL AS SHOWN (EXIST. SIGN:  
A.D.G. SIZE 1, STYLE 2, CLASS 2  
LED)

## GENERAL NOTES

1. AT ALL LOCATIONS WHERE WIREWAY IS SUPPORTED FROM THE WALL, MOUNT ON 1 5/8" WIDE BY 2 7/16" DEEP STRUT. RUN ANY CONDUITS BEHIND WIREWAYS.

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE			
					EAGLE AIR. N=508716.173, E=480267.340	CONTRACTOR	LONE MOUNTAIN CONTRACTING, INC.
					ELEV.=8800.50	STAKED BY	LONE MOUNTAIN
						INSPECTOR'S	DATE
						FIELD	DATE
						POST TARGET BY	DATE
					N 83 A. N=510472.458, E=480106.729	VERIFICATION BY	DATE
						ADJUSTED BY	DATE
						CORRECTED BY	DATE 10/2011
					MICRO-FILM INFORMATION		
					NW STATE PLANE COORDS, NAD 83 NAVD88	RECORDED BY	DATE
						NO.	
DESIGNED BY	BS	DATE	5/6/2010				
DRAWN BY	RLA	DATE	5/6/2010				
CHECKED BY	SES	DATE	5/6/2010				

RECORD DRAWING	
DATE: 10/2011	DRAWN BY: MOLZEN CORBIN
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<p style="text-align: center;">CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP</p> <p>TITLE: DOUBLE EAGLE II AIRPORT ELECTRICAL VAULT RELOCATION</p>
--

## ELECTRICAL DETAILS

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

2	6	-	7	2	5	8	.	0	5	-	1	1	City Project No. <b>725805</b>	Zone Map No. <b>E-5 &amp; E-6</b>	Sheet <b>E-502</b>	Of <b>27/27</b>
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REDRAWN FOR RECORD PURPOSES