GOLF SERVICE CENTER BUILDING

(FORMER LOCATION OF GARDUÑO'S RESTAURANT)

INTERIOR REMODEL

FOR A NEW

PARKS AND RECREATION DEPARTMENT

FIELD OFFICE AT BALLOON FIESTA PARK

CITY PROJECT NUMBER: P7997.03

A/E JOB NUMBER: 10-05-A1

OWNER: **CITY OF ALBUQUERQUE**

MAYOR: **RICHARD J. BERRY**

		Phone	Fax	Email
DIRECTOR DEPARTMENT OF PARKS AND RECREATION:	BARBARA BACA	768.5300	768.5305	bbaca@cabq.gov
ASSISTANT DIRECTOR DEPARTMENT OF PARKS AND RECREATION:	SANDY ZUSCHLAG	768.5366	768.5305	szuschlag@cabq.gov
ARCHITECT:	LEE GAMELSKY ARCHITECTS P.C. PRINCIPAL: LEE GAMELSKY, AIA PROJECT MANAGER: JARED WINCHESTER	842.8865	842.1693	lee@lganm.com jared@lganm.com
ELECTRICAL ENGINEER:	A C ENGINEERING ENTERPRISES, LLC. BUD TELCK, P.E.	842-5787	842-5797	bud@acenm.com
MECHANICAL ENGINEER:	ARSED ENGINEERING GROUP, LLC. BRIAN ARNOLD, P.E.	761-3100	761-3105	barnold@arsedengr.com

GENERAL NOTES

A. ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS (SUCH AS, BUT NOT LIMITED TO: INTERNATIONAL BUILDING CODE, NEW MEXICO BUILDING CODE, NATIONAL ELECTRICAL CODE, UNIFORM MECHANICAL CODE, UNIFORM PLUMBING CODE, NATIONAL LIFE AND SAFETY CODE, AND THE AMERICANS FOR DISABILITIES ACT). ANY CONFLICTS OR DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND ACTUAL SITE CONDITIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY. IN NO CASE SHALL ANY WORK BE INSTALLED THAT DOES NOT COMPLY WITH ALL APPLICABLE CODES.

B. BY THE ACT OF SUBMITTING A BID FOR THE PROPOSED CONTRACT, THE BIDDER WARRANTS THAT:
   1. THE BIDDER AND ALL SUBCONTRACTORS HAVE CAREFULLY AND THOROUGHLY REVIEWED THE CONTRACT DOCUMENTS, CONSTRUCTION DOCUMENTS, DRAWINGS, ACTUAL SITE CONDITIONS, PROJECT MANUAL, SPECIFICATIONS, AND HAVE FOUND THEM COMPLETE AND FREE FROM AMBIGUITIES AND SUFFICIENT FOR THE PURPOSE INTENDED.
   2. THE BIDDER HAS CAREFULLY EXAMINED THE PROJECT SITE AND AREA OF WORK AND THAT FROM HIS OWN INVESTIGATIONS HAS SATISFIED HIMSELF AS TO THE NATURE AND LOCATION OF THE WORK AND THE CHARACTER, QUALITY, QUANTITIES OF MATERIALS AND DIFFICULTIES TO BE ENCOUNTERED, THE KIND AND EXTENT OF EQUIPMENT AND OTHER FACILITIES NEEDED FOR THE PERFORMANCE OF THE WORK, THE GENERAL AND LOCAL CONDITIONS AND OTHER ITEMS WHICH MAY, IN ANY WAY, AFFECT THE WORK OR ITS PERFORMANCE.

C. DURING CONSTRUCTION: PROTECT ALL AREAS IMMEDIATELY OUTSIDE AND DIRECTLY ADJACENT TO THE WORK AREA. FENCE OFF OR FLAG-OFF WORK AREAS FROM PUBLIC AS NEEDED.

D. GENERAL CONTRACTOR/ SUBCONTRACTORS TO REVIEW ALL DRAWINGS FOR BUILDING PRODUCTS, SYSTEMS AND ITEMS TO BE PROVIDED/ INSTALLED WHICH MAY NOT BE SPECIFIED IN THE PROJECT SPECIFICATIONS SECTIONS OF THE PROJECT MANUAL.

E. VERIFY ALL EXISTING CONDITIONS AND LOCATIONS PRIOR TO BIDDING. LOCATIONS SHOWN ARE DIAGRAMMATIC AND NOT ALWAYS TO SCALE, AND SHALL BE FIELD VERIFIED.

F. FULLY COORDINATE WITH OWNER, USER AGENCY, BUILDING STAFF, AND ARCHITECT, ALL QUESTIONS REGARDING STAGING AREAS, TEMPORARY EQUIPMENT OR UTILITY SHUTDOWNS, AND OTHER ITEMS OF POSSIBLE INCONVENIENCE TO BUILDING USERS. BUILDING WILL BE OCCUPIED AND IN USE BY OWNER DURING TIME OF CONTRACT. ALL EXITS, HALLWAYS, AND EXTERIOR SIDEWALKS SHALL REMAIN OPEN DURING CONSTRUCTION. AREAS OF THE BUILDING CAN BE CLOSED TO THE PUBLIC IF REQUIRED FOR WORK TO BE PERFORMED IN THOSE AREAS.

G. DURING THE OPERATIONS UNDER THIS CONTRACT THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PROTECT ANY EXISTING IMPROVEMENTS THAT ARE TO REMAIN. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY AND ALL ITEMS DAMAGED DURING THE COURSE OF WORK UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER.

H. PROVIDE COMPLETE SHOP DRAWINGS AND PRODUCT / MATERIAL / EQUIPMENT SUBMITTALS FOR ALL ITEMS, TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO ORDERING, FABRICATION AND INSTALLATION.

I. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS INCLUDING ALL SUB TIER SUBCONTRACTORS TO FULLY FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND PROJECT REQUIREMENTS PRIOR TO BIDDING. SIMILARLY PRIOR TO ORDERING, FABRICATING AND COMMENCING WORK, ALL CONTRACTORS SHALL BE FULLY FAMILIARIZED WITH THE WORK.

J. NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN THE CONTRACT DOCUMENTS, AND / OR THE SITE CONDITIONS, OR MANUFACTURER'S RECOMMENDATIONS / REQUIREMENTS PRIOR TO BIDDING. NOTIFY THE ARCHITECT IF ANY INFORMATION IS NOT CLEAR OR IF AMOUNTS FOR TAKE-OFFS ARE UNCLEAR PRIOR TO BIDDING.

K. ALL NEW CONCRETE TO COMPLY WITH COA STANDARD SPECIFICATIONS FOR CONCRETE STRENGTH. PROVIDE AIR ENTRAINED CONCRETE AT EXTERIOR LOCATIONS.

L. COORDINATE SECURITY SYSTEM WIRING AND LOCATIONS W/ OWNER PROVIDED SECURITY SYSTEM CONTRACTOR/ ISD/ SECURITY ALARM SYSTEMS REPRESENTATIVES / VENDORS. CO-ORDINATE W / ARCHITECT AND ELECTRICAL ENGINEER. SEE ELECTRICAL.

M. INCORPORATE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS INTO THESE CONTRACT DOCUMENTS FOR PUBLIC WORKS CONSTRUCTION 1986 EDITION. GENERAL CONDITIONS AND TECHNICAL SPECIFICATIONS ARE INCORPORATED AND/OR SUPPLEMENTED BY THE SPECIAL PROVISIONS AND/ OR THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS, AND THE LATEST UPDATES.

N. ALL WORK IS TO BE PRICED AS PART OF THE BASE BID UNLESS NOTED OTHERWISE.

O. ALL SMALL AMOUNTS OF MISCELLANEOUS WOOD (NAILERS, BLOCKING, SHIMS, ETC.) USED ON THE PROJECT SHALL BE FIRE RETARDANT TREATED WOOD PER IBC.

P. THE EXISTING BUILDING IS FIRE SPRINKLED. THE EXISTING FIRE SPRINKLER HEADS WILL ALL NEED TO BE MODIFIED WITHIN THE WORK AREA. TYPICALLY THIS INCLUDES LOWERING THE SPRINKLER HEADS TO ACCOMMODATE THE NEW LAY-IN CEILING PANEL SYSTEM.

Q. THE FIRE SPRINKLER SYSTEM IS SUPERVISED/ MONITORED.

R. THE FIRE SPRINKLER FIRE ALARM SYSTEM IS EXISTING.

Symbols Key

- 1 / A-1.0 — Wall section detail or elevation # / Sheet on which drawing is located
- Indicates a new elevation
- Indicates an existing elevation
- 101 — Door # - see sheets A-601
- A — Window type - see sheet A-605
- A1 / I-201 — Interior elevation - see sheets I-201
- 1 — Signage Identification - see sheet A-601
- 1 / A-1.0 — Detail # / Sheet on which detail is located

NOTE: ALL DIMENSIONS ARE TO FACE OF FRAMING OR FACE OF CONCRETE UNLESS OTHERWISE NOTED.

BUILDING CODE DATA:

BASED ON: -INTERNATIONAL BUILDING CODE 2009
-NEW MEXICO BUILDING CODE 2004
-CITY OF ALBUQUERQUE UNIFORM ADMINISTRATIVE CODE 1999
-CITY OF ALBUQUERQUE ENERGY CONSERVATION CODE 2009

TYPE OF CONSTRUCTION: **II-B** (FIRE SPRINKLED)

OCCUPANCY CLASSIFICATION (SEC. 305):
GROUP A-2 AT FOOD SERVICE / MULTI PURPOSE
GROUP B AT OFFICE, GOLF SERVICE CENTER
THE BUILDING SHALL HAVE NONSEPARATED OCCUPANCIES. REQUIREMENTS OF A-2 (MOST RESTRICTIVE) SHALL BE APPLICABLE.

EXISTING BUILDING AREA:

FIRST FLOOR HEATED:	11,263 SF.
FIRST FLOOR COVERED OUTDOOR:	2,850 SF.
SECOND LEVEL HEATED:	1,017 SF.
SECOND OUTDOOR DECK:	9,144 SF.
TOTAL HEATED AREA (FIRST AND SECOND LEVEL) =	12,280 SF.
TOTAL OUTDOOR AREA	11,994 SF.
TOTAL ALL AREAS	24,274 SF.

ALLOWABLE HEIGHT AND BUILDING AREAS (TABLE 503):

GROUP A-2 / TYPE : II-B

AREA INCREASE DUE TO FRONTAGE (SEC. 506):

Aa= [At + (At If) + (At Is)]
Aa=ALLOWABLE AREA PER STORY
At=TABULAR AREA PER STORY (TABLE 503)=9,500
If=AREA INCREASE FACTOR DUE TO FRONTAGE
Is=AREA INCREASE FACTOR DUE TO SPRINKLER PROTECTION

FRONTAGE INCREASE:

$If = [\frac{F}{P} - 0.25] \frac{W}{30}$

If=AREA INCREASE DUE TO FRONTAGE

F=BUILDING PERIMETER ON PUBLIC WAY/ OPEN SPACE=562 L.F.

P=BUILDING PERIMETER=562 L.F.

W=WIDTH OF PUBLIC WAY=30 FEET

$If = [\frac{515}{515} - 0.25] \frac{30}{30}$

= [1 - 0.25] 1

= [0.75] 1

If = 0.75

Aa= [9,500 + (9,500 x 0.75) + (9,500 x 2)]

Aa= [9,500 + 7,125] + 19,500

Aa= 35,625 S.F.

35,625 S.F. > 24,274 S.F. THEREFORE O.K.

INTERIOR WALL AND CEILING FINISH REQUIREMENTS (TABLE 803.9):

ALL NEW FINISHES SHALL BE CLASS A.

MAXIMUM FLOOR AREA ALLOWANCE PER OCCUPANT (TABLE 1004.1.1):

OCCUPANT LOAD TABULATIONS:

SPACE	AREA	S.F. OCC FACTOR	NO. OCC.
FIRST LEVEL			
FOOD SERVICE / MULTI PURPOSE	3,402 SF	15 NET	227
KITCHEN	2,449 SF	100	25
GOLF CENTER	689 SF	100	7
NEW OFFICES (113,114, AND 115)	383 SF	100	4
SUBTOTAL: INDOOR FIRST LEVEL OCCUPANT LOAD			263
FIRST FLOOR COVERED			
OUTDOOR PATIO	2,850 SF	15	190
TOTAL: FIRST LEVEL OCCUPANT LOAD INDOOR AND OUTDOOR			453
SECOND LEVEL			
OFFICE 206 AND 207	265 SF	100	3
PREP AREA 205	226 SF	200	2
SUBTOTAL: INDOOR SECOND LEVEL OCCUPANT LOAD			5
WEST DECK	1,414 SF	15	95
EAST DECK	7,271 SF	15	485
STAIR	459 SF	0	0
TOTAL: SECOND LEVEL OCCUPANT LOAD OUTDOOR DECKS			580
TOTAL OCCUPANT LOAD FOR INDOOR AREAS		=	268

EGRESS WIDTH PER OCCUPANT SERVED FOR ENTIRE BUILDING AREA (SECTION 1005.1):

SECOND LEVEL OCCUPANTS:
No. OCCUPANTS X 0.3" = X" REQUIRED EGRESS WIDTH.
585 X 0.3" = 175.5"

TOTAL WIDTH OF STAIRS PROVIDED = 212"
212" > 175.5", THEREFORE OK

FIRST LEVEL OCCUPANTS:
No. OCCUPANTS X 0.2" = X" REQUIRED EGRESS WIDTH.
453 X 0.2" = 90.6"

TOTAL EXIT WIDTH PROVIDED = 288"
288" > 90.6", THEREFORE OK

EXIT ACCESS TRAVEL DISTANCE (TABLE 1016.1)
GROUP A: 250' WITH FIRE SPRINKLER SYSTEM.
MAXIMUM TRAVEL DISTANCE IS LESS THAN 250', THEREFORE OK.

INDEX TO DRAWINGS

SHEET NO. IN SET	SHEET NO.	DESCRIPTION
1	G-001	LOCATION MAP, SYMBOLS KEY, DRAWING INDEX, CODE DATA
2	G-002	PREVIOUSLY APPROVED ADMINISTRATIVE DEVELOPMENT PLAN AMENDMENT COVER SHEET. PROJECT NO. 1000363.
3	AD-101	EXISTING CONDITIONS / DEMOLITION FLOOR PLAN - LEVEL 1
4	AD-102	EXISTING CONDITIONS / DEMOLITION FLOOR PLAN - LEVEL 2
5	AD-171	EXISTING CONDITIONS / DEMOLITION REFLECTED CEILING PLAN - LEVEL 1
6	AD-172	EXISTING CONDITIONS / DEMOLITION REFLECTED CEILING PLAN - LEVEL 2
7	A-101	FLOOR PLAN - LEVEL 1
8	A-102	FLOOR PLAN - LEVEL 2
9	A-151	PARTITION TYPE SCHEDULE
10	A-171	REFLECTED CEILING PLAN - LEVEL 1
11	A-172	REFLECTED CEILING PLAN - LEVEL 2 / ROOF PLAN
12	A-601	DOOR AND FRAME SCHEDULE / EXISTING DOOR AND FRAME TYPES
13	A-602	DOOR AND FRAME TYPES / DETAILS
14	A-603	DOOR DETAILS
15	A-604	NEW AND EXISTING WINDOW TYPES / DETAILS
16	A-610	FINISH SCHEDULE
17	I-201	INTERIOR ELEVATIONS
18	P-101	PLUMBING DEMOLITION PLAN
19	M-001	MECHANICAL SCHEDULES
20	M-101	MECHANICAL DEMOLITION PLAN- LEVEL 1
21	M-102	MECHANICAL DEMOLITION PLAN - LEVEL 2
22	M-201	MECHANICAL PLAN - LEVEL 1
23	M-202	MECHANICAL PLAN - LEVEL 2
24	M-301	MECHANICAL DETAILS
25	M-401	MECHANICAL SPECIFICATIONS
26	E-001	SYMBOL LEGEND, GENERAL NOTES & FIXTURE SCHEDULE
27	E-002	SHEET SPECIFICATIONS
28	ED-101	FIRST & SECOND FLOOR DEMOLITION PLAN
29	EL-101	FIRST & SECOND FLOOR LIGHTING PLAN
30	EP-101	FIRST FLOOR POWER PLAN
31	E-501	POWER RISER DIAGRAM & PANEL SCHEDULES

BUILDING CODE DATA: CONTINUED

PLUMBING FIXTURE REQUIREMENTS: CHAPTER 29

PLUMBING FIXTURES SHALL BE BASED ON A-2 OCCUPANCY REQUIREMENTS. (GROUP B IS A MINOR USE OF THE BUILDING).

PLUMBING FIXTURE REQUIREMENTS A-2:

W.C.s	LAV.	DRINKING FOUNTAIN	SERVICE SINK
1:75 (M) 1:75 (F)	1:200	1:500	1

EXISTING PLUMBING FIXTURES PROVIDED:

PLUMBING FIXTURE REQUIREMENTS GROUP A-2

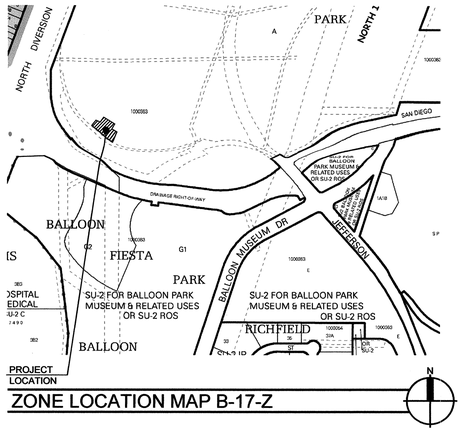
	W.C.s	URINAL	LAV.	DRINKING FOUNTAIN	SERVICE SINK
MALE	3	3	5	2	2
FEMALE	6		5		

MAXIMUM OCCUPANT LOAD BASED ON PLUMBING FIXTURES PROVIDED:

	W.C.s	URINAL	LAV.	DRINKING FOUNTAIN	SERVICE SINK
MALE	225	225	1000	500	1
FEMALE	450		1000	500	1
TOTAL OCCUPANTS	900		2000	1000	1

TOTAL NUMBER OF OCCUPANTS SERVED BY EXISTING PLUMBING FIXTURES = 900

BASED ON THE NUMBER OF EXISTING PLUMBING FIXTURES, THE OCCUPANCY OF THE UPSTAIRS DECKS WILL BE LIMITED TO 458 OCCUPANTS WHEN THE INTERIOR OF THE BUILDING IS FULLY OCCUPIED AND THE FIRST LEVEL COVERED PATIO IS FULLY OCCUPIED.



ZONE LOCATION MAP B-17-Z

SITE/BUILDING DATA

ADDRESS: 9401 BALLOON MUSEUM DRIVE NE, ALBUQUERQUE, NEW MEXICO 87113

LEGAL DESCRIPTION: LOT D1-D, SUBDIVISION OF THE ORDER OF ST. DOMINIC.

ZONING: SU-2 FOR CLUBHOUSE.
A COPY OF THE PREVIOUSLY APPROVED ADMINISTRATIVE DEVELOPMENT PLAN AMENDMENT (PROJECT NO. 1000363) IS ATTACHED AFTER THIS SHEET (SEE SHEET G-002).

PARKING REQUIREMENTS

- SEE PREVIOUS ADMINISTRATIVE DEVELOPMENT PLAN AMENDMENT.

PROJECT DESCRIPTION:

SCOPE OF WORK:
1. INTERIOR REMODEL OF PORTIONS OF AN EXISTING BUILDING. THERE ARE NO BUILDING ADDITIONS AS PART OF THIS WORK.
2. A PORTION OF THE EXISTING GOLF CENTER ON THE FIRST FLOOR WILL BE PARTITIONED INTO A NEW GOLF OFFICE.
3. THE RECEPTION AREA ON THE FIRST FLOOR WILL BE PARTITIONED INTO NEW OFFICES. PART OF THE EXISTING FOOD SERVICE / MULTI PURPOSE AREA WILL BE PARTITIONED INTO NEW OFFICES.
4. ON THE FIRST FLOOR IN THE FOOD SERVICE / MULTI PURPOSE AREA, THE LIGHTING SYSTEM WILL BE REPLACED AND NEW CEILING PANELS WILL BE INSTALLED.
5. A PORTION OF THE SECOND LEVEL PREP AREA WILL BE PARTITIONED INTO AN OFFICE.

WORK AREA SQUARE FOOTAGE:

WORK AREA	SQUARE FOOTAGE
FIRST LEVEL:	
OFFICE 104 (GOLF AREA)	232 SF.
OFFICES 113, 114, AND 115 (BY HALL 110)	383 SF.
FOOD SERVICE / MULTI PURPOSE (REPLACE LIGHTING / ADD CEILING PANELS)	3,402 SF.
SECOND LEVEL:	
OFFICES 206, 207 (UPSTAIRS OFFICE)	321 SF.
TOTAL WORK AREA;	4,338 SF.

100% CD'S 8 JULY 2011

LEE GAMELSKY ARCHITECTS P.C.
2412 MILES ROAD SE
ALBUQUERQUE, NM 87106
505.842.8865 FAX 842.1693
lee@lganm.com

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

ARCHITECTS STAMP & SIGNATURE

STATE OF NEW MEXICO — LEE D. GAMELSKY — No. 1931 — REGISTERED ARCHITECT

APPROVALS	ENGINEER	DATE
DRC Chairman		
Transportation		
Water/Wastewater		
Hydrology		
C.I.P.		
Constr. Mngmt.		

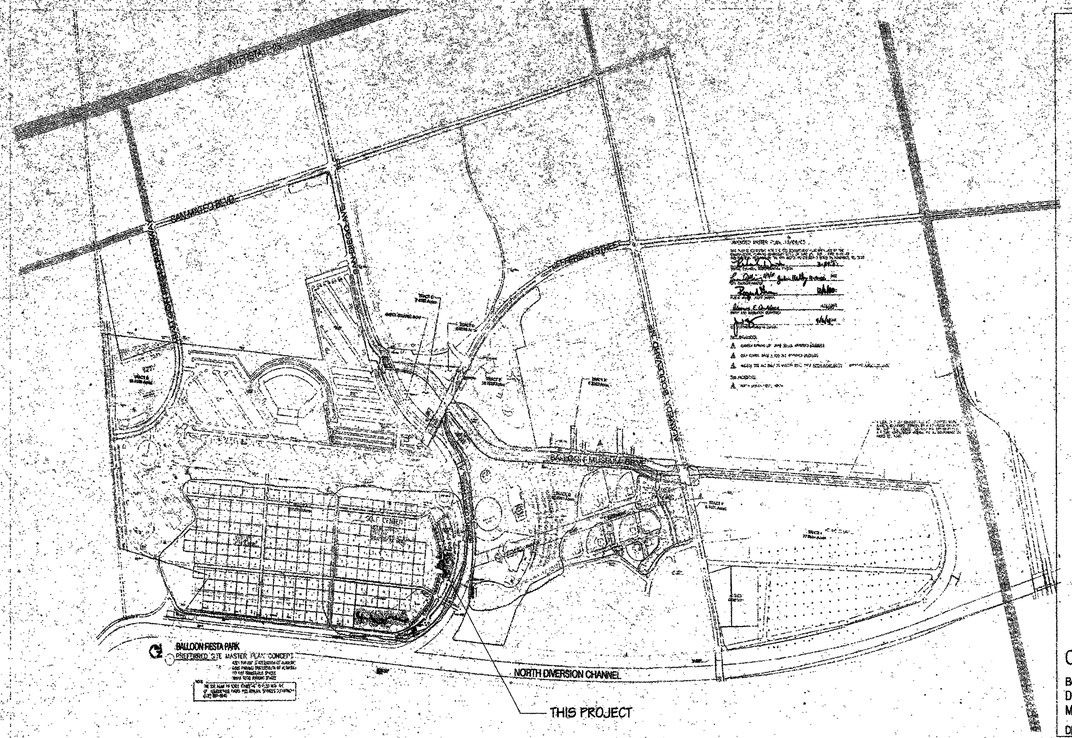
City Architect Date

City Engineer Date

City Project No. P7997.03

Sheet / Of 31

G-001



(G) Master Site Development Plan

NTS

City of Albuquerque

Balloon Fiesta Park

Consultants

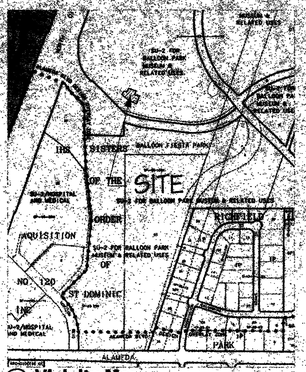
Bohannan-Huston, Inc.
DCSW Architects
Morrow & Co., Ltd.

DECEMBER 6, 2000

LEGAL DESCRIPTION	LOT: DI-D; SUBDIVISION OF THE ORDER OF ST. DOMINIC		
ZONE ATLAS PAGE	B-17-Z		
ZONING	SU-2 FOR CLUBHOUSE		
BUILDING AREAS		BLDG AREA PER APPROVED PLAN	BLDG AREA PER DOCUMENT (IF DIFFERENT)
	BALLOON MUSEUM	17,000 SF	55,000 SF
	SECOND MUSEUM	11,000 SF	40,000 SF
	FAMILY RECREATION CENTER	17,000 SF	
	SECURITY OFFICE COMMAND CENTERS	1,800 SF	
	AUDITORIUM/ ENTERTAINMENT FACILITY	75,000 SF	
	GOLF TRAINING CENTER	9,000 SF	
	TOTAL APPROVED	144,813 SF	
	AREA ADDED BY THIS PROJECT	1000 SF (< 10% OF APPROVED AREA)	

(E) Design Data - Balloon Fiesta Park

NTS



(O) Vicinity Map

B-17-Z

LEGAL DESCRIPTION	LOT: DI-D; SUBDIVISION OF THE ORDER OF ST. DOMINIC		
ZONE ATLAS PAGE	B-17-Z		
ZONING	SU-2 FOR CLUBHOUSE		
BUILDING AREAS	DOWNSTAIRS AREAS	HEATED:	10,088 SF (BUILDING) 1,175 SF (MARGARITA BAR)
		COVERED:	2,850 SF (VERANDA)
		TOTAL:	14,113 SF
	UPSTAIRS AREAS	HEATED:	1,016 SF
		UNHEATED:	1,414 SF (WEST DECK) 7,271 SF (EAST DECK) 459 SF (STAIRS)
		TOTAL:	10,160 SF
SITE & LANDSCAPE AREAS	HARD AREA (WALKS & PUBLIC PATIO)		4,766 SF
	SOFT AREA (LANDSCAPING)		4,118 SF
	PATIO (PRIVATE)		4,863 SF
	SERVICE AREA		5,159 SF
	BUILDING FOOTPRINT		11,263 SF
	TOTAL: PHASE III BOUNDARY		30,169 SF (.69 ACRES)
PARKING	REQUIRED: 1 SPACE FOR EVERY 4 SEATS		94 SPACES
	1 SPACE FOR EVERY 200 SF		7 SPACES
	TOTAL REQUIRED PARKING:		101 SPACES
	PROVIDED: RESTAURANT & PRO SHOP		108 SPACES (INCL 5 HC SPACES)

(K) Design Data - Golf Academy

OWNER	NM Golf Academy, LLC 400 Gold SW #500 Albuquerque, NM 87102 (505) 241-3801
ARCHITECT	Schlegel Lewis Architects 1620 Central Avenue SE Albuquerque, NM 87106 (505) 247-1529
LANDSCAPE	The Hilltop 7809 Edith NE Albuquerque, NM 87184 (505) 898-9690

(M) Directory

DISCRETION OF PROJECT
- MARGARITA BAR ADDITION TO THE EXISTING CLUBHOUSE

BUILDING USES
- RETAIL SALES
- PRO-SHOP SERVICES
- RESTAURANT USES INCLUDING OFF-SITE CATERING
- SALES OF ALCOHOLIC BEVERAGES FOR ON-SITE CONSUMPTION

SDP-0 COVER SHEET

SDP-1 SITE PLAN

SDP-2 LANDSCAPE PLAN

SDP-3 ELEVATIONS

(N) Detail Not Uesd

(S) Project Discription

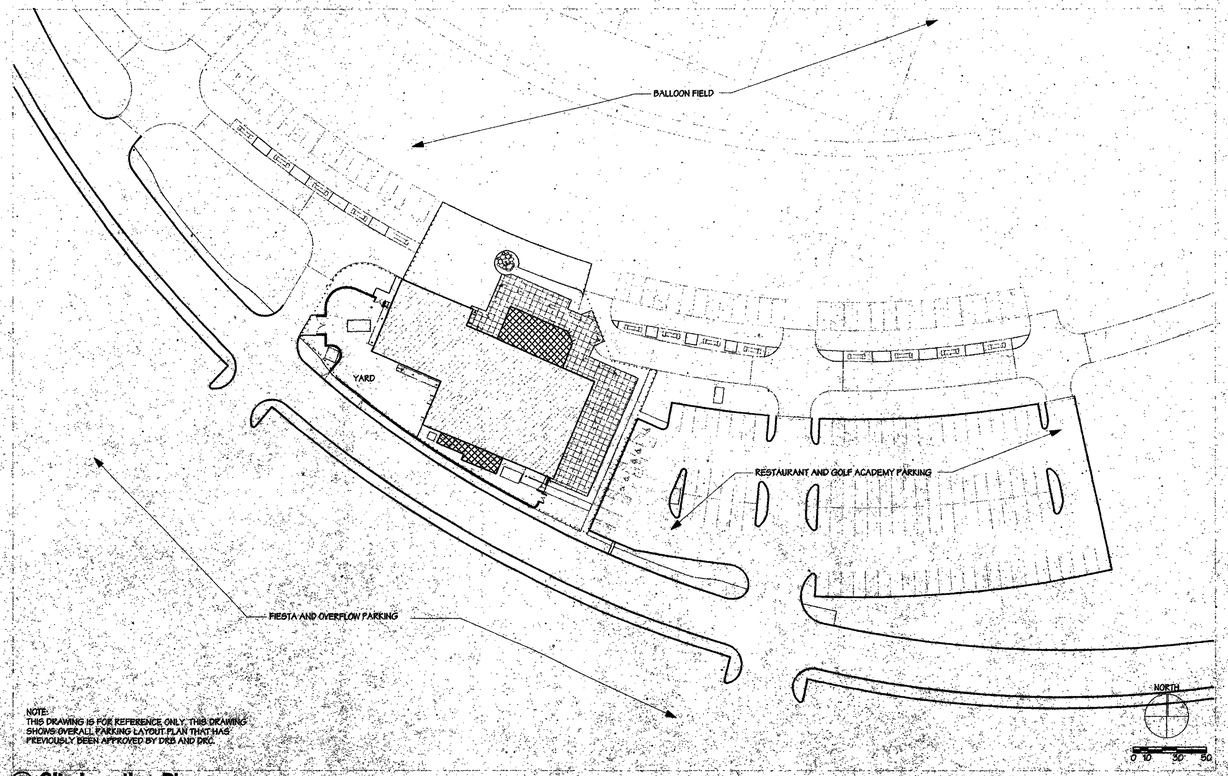
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APPLICATION #:	00450-00000-00630
FOUNDATION PERMIT #:	7653
ALAMEDA IRGS LOT DRB #:	99-70
MUSEUM SITE & BALLOON MUSEUM DR. EPC #:	00128-00000-00378

(O) Sheet Index

Project 1000363
ADMINISTRATIVE DEVELOPMENT PLAN AMENDMENT
FILE NO. 01DRB-00000-01000
APPROVED
Richard Dinelli 7/2/01
PLANNING DIRECTOR DATE

(T) Detail Not Used

(U) Site Location Plan



NOTE:
THIS DRAWING IS FOR REFERENCE ONLY. THIS DRAWING SHOWS OVERALL PARKING LAYOUT PLAN THAT HAS PREVIOUSLY BEEN APPROVED BY DRB AND DRC.

(Y) Project History

(Z) Approvals

ENGINEER

Schlegel Lewis Architects
1620 Central Ave. SE
Albuquerque NM 87106
(505) 247-1529
FAX (505) 247-1572

These drawings are the property of the Architect and are not to be used in any way without the written permission of the Architect. © 2001

An Amended Site Development Plan for Balloon Fiesta Park Golf Club House featuring

Gardunos

9401 Balloon Museum Drive NE
Albuquerque, New Mexico 87113

ISSUE DATE:
10 JUL 01

REVISIONS:

LARGE SCALE SITE PLANS

PROJECT 01122

SHEET SDP-0 OF

G-002

GENERAL NOTES

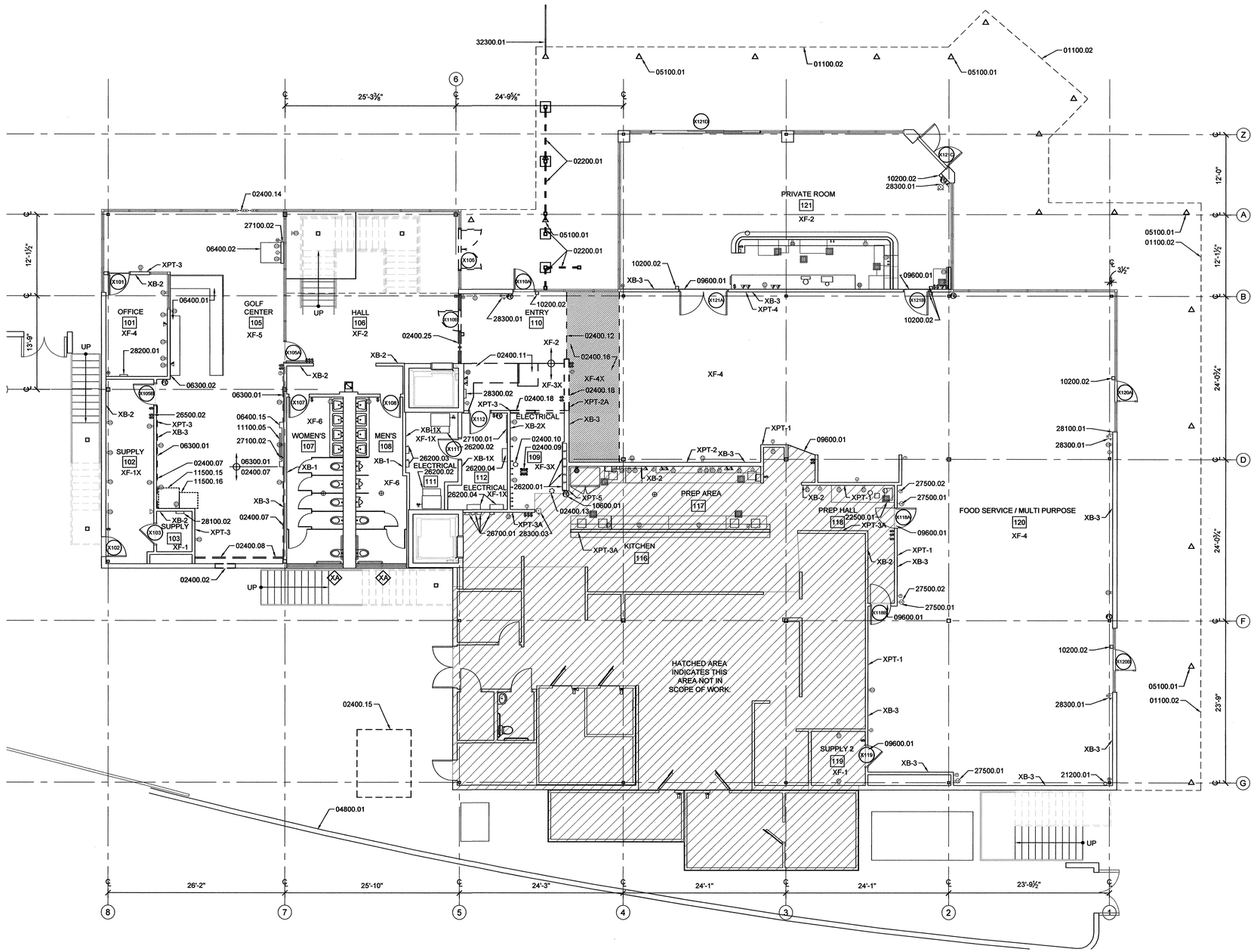
A. COORDINATE ALL WORK, DEMOLITION/ ITEMS TO BE REMOVED/ ITEMS TO BE RELOCATED WITH ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
B. OWNER HAS RIGHT TO CLAIM ANY AND ALL ITEMS TO BE REMOVED / SALVAGED. COORDINATE SALVAGE ITEMS WITH ARCHITECT/ OWNER.
C. THE SYMBOLS INDICATED IN THE EXISTING CONDITIONS DRAWINGS ARE SHOWN TO HELP CONVEY AN UNDERSTANDING OF EXISTING CONDITIONS. CONTRACTOR NEEDS TO REFER TO THE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR SPECIFIC SCOPE OF WORK AND TO VERIFY ALL CONDITIONS IN THE FIELD.
D. PRIOR TO SAWCUTTING CONCRETE SLABS, SHUT OFF ELECTRICAL POWER IN THE AREA TO MINIMIZE RISK OF ELECTRICAL SHOCK.
E. PROTECT ALL FINISHES, SURFACES, MATERIALS, EQUIPMENT, ETC. TO REMAIN AT ALL TIMES.
F. SEE SHEET A-610 FOR ROOM FINISH SCHEDULE.
G. SEE SHEET A-601 FOR DOOR SCHEDULE.
H. AT EXIST. WALLS TO REMAIN: PATCH, PRIME & PAINT. SEE FINISH SCHEDULE - TYPICAL. AT EXIST. WALLS WHERE BLOCKING, NEW ELECTRICAL, PLUMBING, HVAC, ETC. NEEDS TO BE INSTALLED, REMOVE GYP. BD. AS REQUIRED. REINSTALL GYP. BD. PATCH, PRIME & PAINT - TYPICAL.
I. WHERE PORTIONS OF THE BUILDING ARE BEING OCCUPIED, ALL EXITS, HALLWAYS, AND EXTERIOR SIDEWALKS SHALL REMAIN OPEN.
J. REMOVE AND PATCH AS REQUIRED FOR MECHANICAL/ ELECTRICAL WORK.
K. SEE MECHANICAL DRAWINGS FOR EXISTING DIFFUSERS TO REMAIN AND THOSE TO BE RELOCATED

KEYED NOTES

01100.02	DASHED LINE INDICATES EXISTING PORTAL CANOPY ABOVE. TO REMAIN.
02200.01	REMOVE EXISTING VINYL RAIL FENCING, FENCE POSTS AND ANCHOR BOLTS /PLATES
02400.02	REMOVE PORTION OF EXTERIOR WALL FOR NEW WINDOW OPENING.
02400.07	REMOVE EXISTING WALL MOUNTED SLATWALL, SAVE FOR RELOCATION - SEE SHEET A-101 AND I-201.
02400.08	REMOVE EXISTING MILLWORK CABINETS.
02400.09	REMOVE EXISTING FLOOR SINK. SEE MECHANICAL.
02400.10	REMIVE EXISTING PVC EXTENDING ABOVE FLOOR FOR BAG AND BOX LINES. CUT OUT EXPANSION FOAM. STUFF TUBES IN PVC PIPE, CAP PVC PIPE. DO NOT CUT TUBING. TOP OF PIPE CAP TO BE 2" BELOW TOP OF FINISH FLOOR. POUR CONCRETE TOPPING OVER CAP.
02400.11	REMOVE EXISTING MILLWORK.
02400.12	REMOVE HARD RUBBER TRANSITION STRIP.
02400.13	REMOVE/RELOCATE EXISTING CLEAN-OUT. SEE MECHANICAL.
02400.14	REMOVE EXISTING WINDOW GLAZING, STOREFRONT SILL FRAME, TO CONVERT TO NEW DOOR OPENING. CUT QUARTER ROUND AT FLOOR. SEE DOOR SCHEDULE.
02400.15	EXISTING SHED TO BE RELOCATED BY OWNER.
02400.16	HATCHED AREA INDICATES CARPET TO BE REMOVED.
02400.18	REMOVE WALL THIS AREA.
02400.25	REMOVE EXISTING ALUMINUM STOREFRONT SYSTEM IN ENTIRETY AT THIS LOCATION. SEE SHEET A-601 FOR EXISTING AND MODIFIED FRAME TYPES.
04800.01	EXISTING CMU WALL TO REMAIN.
05100.01	TRIANGLE TRUSS / COLUMN, TYPICAL @ PATIO PORTAL. TO REMAIN.
06300.01	DASHED LINE INDICATES EXISTING WALL MOUNTED SLATWALL. TO REMAIN.
06300.02	DASHED LINE INDICATES EXISTING SLATBOARD, BOTTOM OF BOARD @ FINISH FLOOR, TIP OF BOARD @ 48" A.F.F. TO REMAIN.
06400.01	EXISTING MILLWORK, TOP @ 40" A.F.F. TO REMAIN.
06400.02	EXISTING MILLWORK BASECABINET, TOP @ 36" A.F.F. TO REMAIN.
06400.15	EXISTING MILLWORK AROUND TV TO REMAIN.
09600.01	EXISTING HARD RUBBER TRANSITION STRIP. TO REMAIN.
10200.02	EXISTING WATERLESS HAND SANITIZER DISPENSER.
10600.01	RELOCATE EXISTING FIRE EXTINGUISHER IN KITCHEN.
11100.05	EXISTING FLAT SCREEN TV TO REMAIN.
11500.15	EXISTING SODA VENDING MACHINE, 37"W X 36"D X 80"H. RELOCATE TO LOBBY.
11500.16	EXISTING SNACK VENDING MACHINE, 33"W X 28"D X 72"H. RELOCATE TO LOBBY.
21200.01	EXISTING FIRE RISER PIPE EXTENDS FROM FLOOR TO CEILING. TO REMAIN.
22500.01	EXISTING FLOOR SINK WHITE ENAMEL, 12" X 12".
26200.01	EXISTING ELECTRICAL PANEL, 25" X 70". TO REMAIN.
26200.02	EXISTING TRANSFORMER. TO REMAIN.
26200.03	EXISTING DISCONNECT SWITCH. TO REMAIN.
26200.04	EXISTING ELECTRICAL PANEL. TO REMAIN.
26500.02	EXISTING (10) SWITCHES CONTROL GOLF RANGE LIGHTING. TO REMAIN.
26700.01	EXISTING LIGHTING CONTACTORS. TO REMAIN.
27100.01	EXISTING TELECOMMUNICATIONS/DATA CONTROL EQUIPMENT. TO REMAIN.
27100.02	EXISTING WIFI HUB, WALL MOUNTED @ 89" A.F.F. TO REMAIN.
27500.01	EXISTING MICROPHONE AND MUSIC INPUT RECEPTACLE. TO REMAIN.
27500.02	EXISTING MICROPHONE AND MUSIC SWITCH. TO REMAIN.
28100.01	EXISTING SECURITY ALARM KEYPUNCH PANEL @ 58" A.F.F. TO REMAIN.
28100.02	EXISTING SECURITY ALARM SYSTEM PANEL. TO REMAIN.
28200.01	EXISTING SECURITY CAMERA SYSTEM PANEL. TO REMAIN.
28300.01	EXISTING FIRE ALARM PULL CENTER LINE @ 42" A.F.F. TO REMAIN.
28300.02	EXISTING FIRE ALARM CONTROL PANEL. TO REMAIN.
28300.03	RELOCATE EXISTING FIRE ALARM DEVICE WHERE NEW WALL TO BE ADDED.
32300.01	EXISTING VINYL RAIL FENCING TO REMAIN.

LEGEND

- EXISTING DUPLEX ELECTRICAL RECEPTACLE.
- EXISTING QUADPLEX ELECTRICAL RECEPTACLE.
- EXISTING JUNCTION BOX.
- EXISTING FIRE ALARM/ STROBE.
- EXISTING DATA RECEPTACLE.
- EXISTING PHONE RECEPTACLE.
- EXISTING SWITCH.
- EXISTING VALVE.
- EXISTING WATER STOP W/ STOP-COCK.
- EXISTING THERMOSTAT.
- EXISTING SPECIAL USE RECEPTACLE.
- EXISTING WALL MOUNTED FIRE EXTINGUISHER.



A 1ST FLOOR EXISTING CONDITIONS / DEMOLITION PLAN
1/8" = 1'-0"

N

AS BUILT INFORMATION

BENCH MARK	DATE:
CONTRACTOR	DATE:
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MICRO-FILM INFORMATION

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NO.	

SURVEY INFORMATION

FIELD NOTES BY	DATE
NO.	

REVISIONS/REMARKS

NO.	DATE	BY

DESIGNED BY: LGA DATE:
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STATE OF NEW MEXICO
LEE D. GAMELSKY
No. 1931
REGISTERED ARCHITECT

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

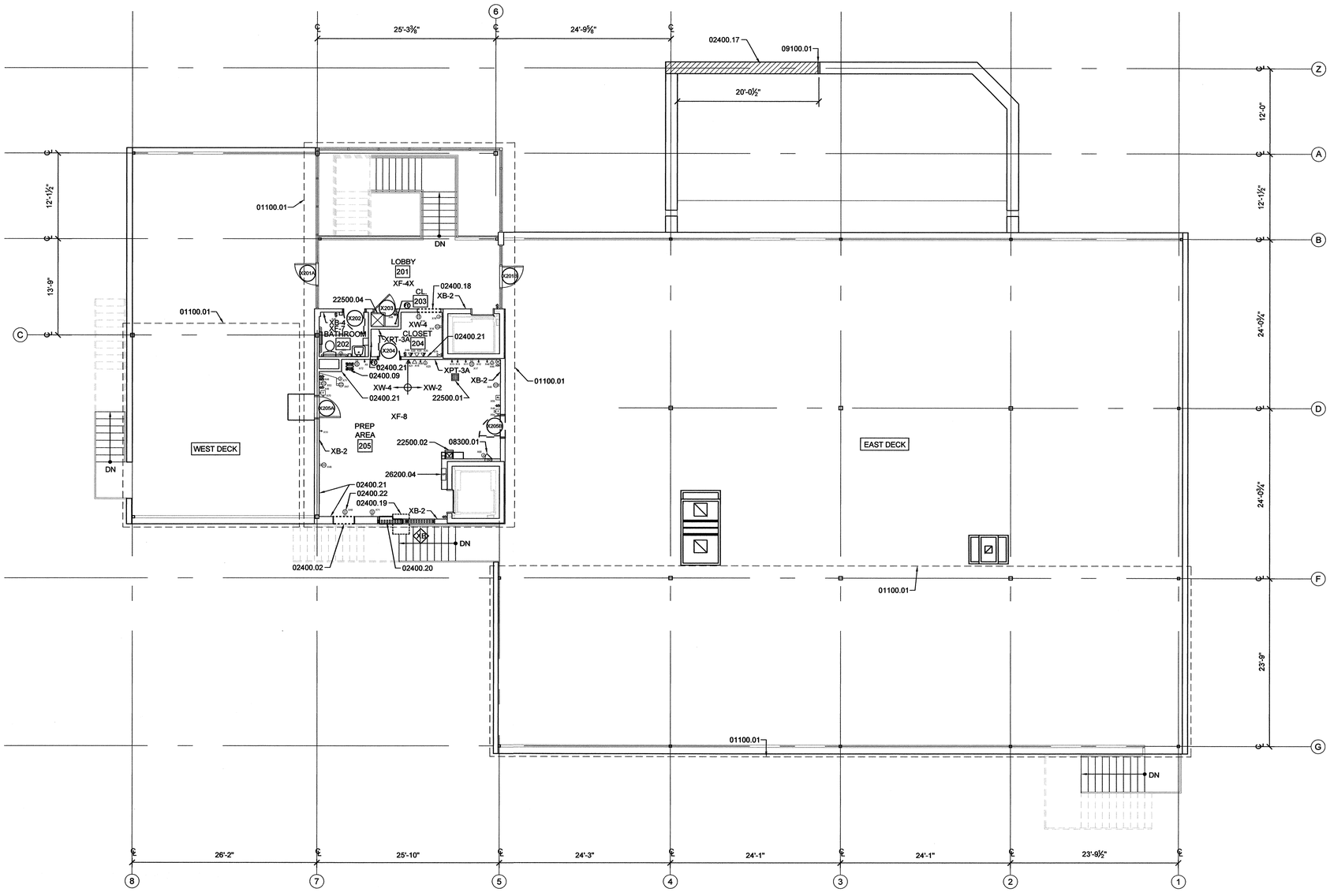
TITLE: EXISTING CONDITIONS / DEMOLITION FLOOR PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
				07/08/11

City Project No.	Zone Map No.	Sheet:
P7997.03	B-17-Z	3 OF 31 AD-101

KEYED NOTES

01100.01	DASHED LINE INDICATES EXISTING ROOF CANOPY ABOVE.
02400.09	REMOVE EXISTING FLOOR SINK. SEE MECHANICAL.
02400.17	REMOVE SLOPED PORTION OF STUCCO WALL THIS AREA. REFRAME SO THAT TOP OF WALL IS EVEN WITH TOP OF PARAPET WALL TO THE EAST. INSTALL NEW 3 COAT STUCCO SYSTEM OVER 3.4# EXPANDED STUCCO LATH OVER TYVEK OVER EXTERIOR GYP. SHEATHING OVER FRAMING.
02400.18	REMOVE WALL THIS AREA.
02400.19	REMOVE WALL MOUNTED MECHANICAL UNIT. FRIEDRICH. APPROX. 28"W X 8 ½"D X 21" H.
02400.20	REMOVE ALUMINUM STOREFRONT WINDOW UNIT THIS LOCATION.
02400.21	ROEMOVE FRP THIS AREA (ALL WALLS IN ROOM 204).
02400.22	REMOVE/RELOCATE ELECTRICAL DEVICES THIS WALL. SEE ELECTRICAL.
08300.01	EXISTING ACCESS PANEL TO REMAIN.
09100.01	BREAK/ GAP IN EXISTING STUCCO SYSTEM PARAPET WALL.
22500.01	EXISTING FLOOR SINK WHITE ENAMEL, 12" X 12".
22500.02	EXISTING STAINLESS STEEL SINK TO REMAIN.
22500.04	EXISTING MOP SINK, 9" DEEP. TO REMAIN.
26200.04	EXISTING ELECTRICAL PANEL. TO REMAIN.



A 2nd FLOOR EXISTING CONDITIONS / DEMOLITION PLAN
1/8" = 1'-0"

N

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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

STATE OF NEW MEXICO
LEE D. GAMELSKY
No. 1931
REGISTERED ARCHITECT

NO. DATE REVISIONS/REMARKS BY

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

TITLE: EXISTING CONDITIONS / DEMOLITION FLOOR PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
				07/08/11

City Project No.	Zone Map No.	Sheet:
P7997.03	B-17-Z	4 Of 3 AD-102

GENERAL NOTES

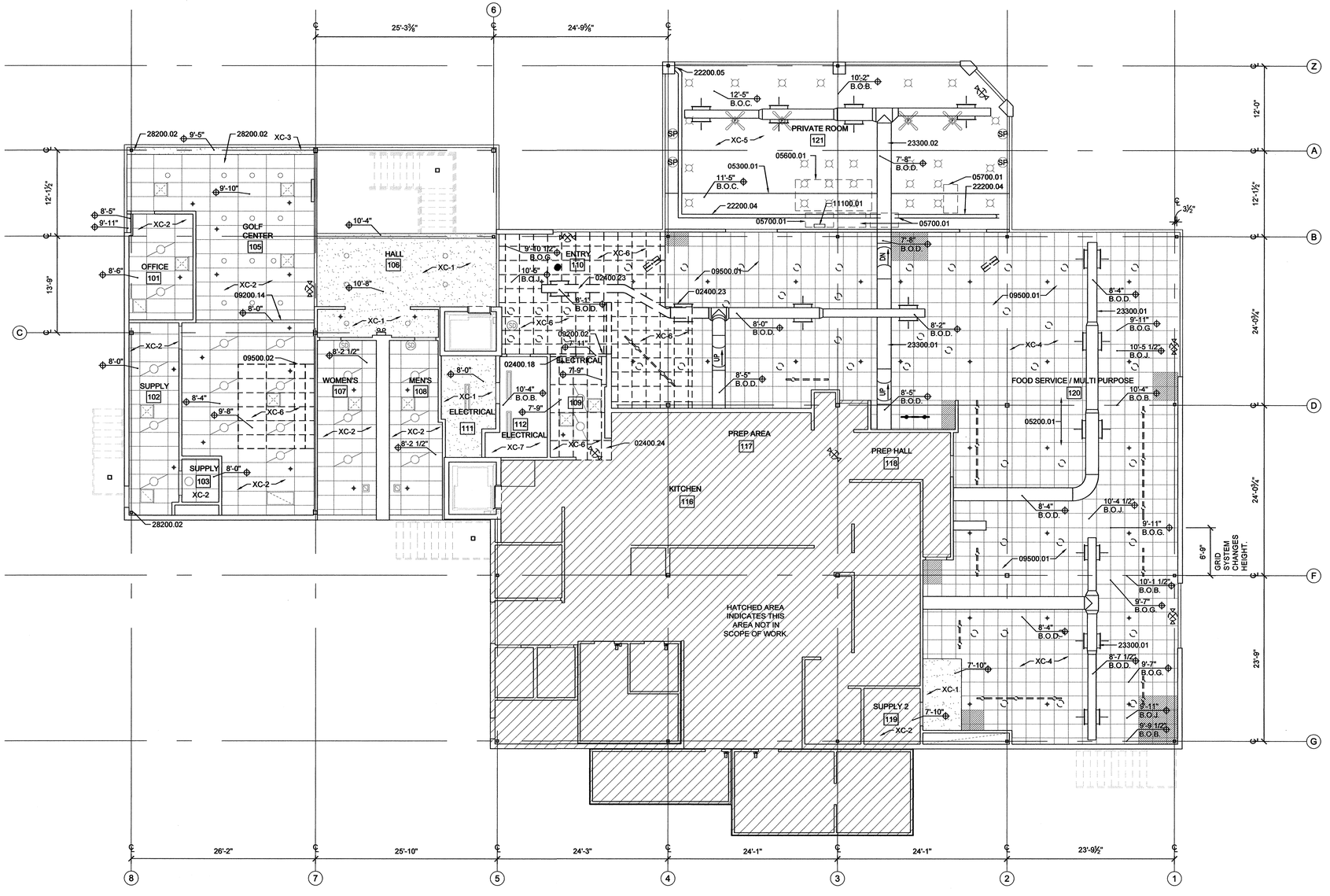
A. SEE REFLECTED CEILING PLAN FOR NEW WORK. SEE SHEET A-171.
B. DASHED LINES INDICATE CEILING MATERIALS, WALLS, ETC. TO BE REMOVED UNLESS OTHERWISE INDICATED.
C. THE BUILDING HAS AN EXISTING FIRE SPRINKLER SYSTEM THAT WILL BE MAINTAINED AND MODIFIED IN THE RENOVATED AREAS. RELOCATE FIRE SPRINKLER HEADS / DROPS AS REQUIRED FOR NEW CONSTRUCTION. SEE MECHANICAL.
D. BRACE UNSUPPORTED WALLS/ BEAMS/ STRUCTURE DURING DEMOLITION, TYPICAL.
E. CEILING HEIGHTS ABOVE FINISH FLOOR (A.F.F.) ARE PROVIDED FOR THAT ROOM IN THAT LOCATION.
F. SEE NEW FLOOR PLAN FOR WORK IN THESE AREAS.
G. SEE MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS FOR FIXTURES TO BE REMOVED, RELOCATED, ETC.
H. COORDINATE WORK ON THIS SHEET WITH MECHANICAL AND PLUMBING AND ELECTRICAL SHEETS.
I. MODIFY SUSPENDED CEILING SYSTEM LAYOUTS IN ROOMS TO ACCOMMODATE NEW WALLS, ROOMS AND SUSPENDED CEILING SYSTEM. EXISTING CEILING PANELS TO REMAIN WHERE APPLICABLE. SEE NEW REFLECTED CEILING PLAN.
J. CEILING AREAS INDICATED AS [▨] INDICATE DAMAGED CEILING GRID AREAS TO BE REPLACED ACCOUNT FOR AN ADDITIONAL 200 SF OF CEILING GRID TO BE REPLACED BEYOND WHAT IS SHOWN IN DRAWINGS. INSPECT EXISTING CEILING SYSTEM PRIOR TO WORK TO VERIFY DAMAGED AREAS TO BE REPLACED.

KEYED NOTES

02400.18 REMOVE WALL THIS AREA.
02400.23 REMOVE DUCTWORK THIS AREA. SEE MECHANICAL.
02400.24 REMOVE EXISTING CEILING SYSTEM THIS AREA.
05200.01 EXISTING OPEN WEB STEEL JOISTS ALIGNED NORTH/ SOUTH.
05300.01 EXISTING STEEL DECK DROPS 1'-0" ALONG THIS LINE, TYPICAL.
05600.01 EXISTING REBAR GRID SUSPENDED FROM CEILING BY WINCH CABLE AND MOTOR, TO REMAIN.
05700.01 EXISTING IRONWORK SHELVING AND BOTTLE HOLDERS. FIXED TO CEILING DECK AND SUPPORTED ON BAR BACK COUNTER, TO REMAIN.
09200.02 EXISTING FUR-DOWN AT CEILING TO BE REMOVED.
09200.14 EXISTING FURR DOWN TO REMAIN.
09500.01 EXISTING 2' X 2' SUSPENDED CEILING GRID SYSTEM, TO REMAIN. SEE FINISH SCHEDULE.
09500.02 LINE INDICATES EXISTING CEILING GRID SYSTEM CHANGES HEIGHT THIS AREA.
11100.01 EXISTING WINCH MOTOR, WINCH CABLE ATTACHED TO SUSPENDED REBAR GRATE.
22200.04 EXISTING ROOF DRAIN PIPE 6"Ø, CONNECTS TO 2 ROOF DRAINS, TO REMAIN.
22200.05 EXISTING ROOF DRAIN DIES INTO WALL @ 9'-3 1/2" A.F.F.
23300.01 EXISTING EXPOSED DUCTWORK TO REMAIN, TO BE PRIMED AND PAINTED.
23300.02 EXPOSED DUCTWORK TO REMAIN, CLEAN.
28200.02 EXISTING SECURITY CAMERA, TO REMAIN.

LEGEND

X'-X"	EXISTING CEILING HEIGHT ABOVE FINISH FLOOR.
B.O.D.	BOTTOM OF EXISTING EXPOSED DUCTWORK.
B.O.B.	BOTTOM OF EXISTING BEAM.
B.O.J.	BOTTOM OF EXISTING JOIST.
B.O.G.	BOTTOM OF EXISTING CEILING GRID.
B.O.C.	BOTTOM OF EXISTING METAL DECK.
	EXISTING DROP PENDANT SURFACE MOUNTED LIGHT FIXTURE.
	EXISTING 8"Ø RECESSED/ SURFACE MOUNTED LIGHT FIXTURE.
	EXISTING 8"Ø RECESSED/ SURFACE MOUNTED LIGHT FIXTURE, TO BE REMOVED.
	EXISTING TRACK LIGHTING, SURFACE MOUNTED TO CEILING GRID. TO BE REMOVED, SEE ELECTRICAL.
	EXISTING 8" X 4'-0" FLUORESCENT LIGHT, SURFACE MOUNTED.
	EXISTING 2' X 4' FLOURESCENT LIGHT, 4 LAMP.
	EXISTING 2' X 4' FLOURESCENT LIGHT, 4 LAMP TO BE REMOVED, SEE ELECTRICAL.
	EXISTING 2X2 HVAC SUPPLY AIR GRILLE.
	EXISTING HVAC RETURN AIR GRILLE.
EM	EXISTING EMERGENCY LIGHT.
	EXISTING EXIT LIGHT W/ EMERGENCY LIGHTING.
SD	EXISTING SMOKE DETECTOR.
	EXISTING FIRE SPRINKLER.
SP	EXISTING SURFACE MOUNTED SPEAKER.
	EXISTING LIGHT/ FAN, PENDANT MOUNTED.
	EXISTING HANGING SHELF FOR TV MONITOR TO BE REMOVED
	EXISTING GYP. BOARD CEILING SYSTEM TO REMAIN.
	EXISTING 2X4 SUSPENDED CEILING SYSTEM TO REMAIN.
	EXISTING 2X4 SUSPENDED CEILING SYSTEM TO BE REMOVED, SEE SHEET A-171 FOR NEW CEILING SYSTEM.
	EXISTING 2X2 SUSPENDED CEILING GRID (NO PANELS) TO REMAIN.
	EXISTING 2X2 SUSPENDED CEILING GRID TO BE REMOVED, SEE SHEET A-171 FOR NEW CEILING SYSTEM.
	AREA OF DAMAGED EXISTING 2 X 2 CEILING GRID TO BE REPLACED.



A 1ST FLOOR EXISTING CONDITIONS / DEMOLITION REFLECTED CEILING PLAN
1/8" = 1'-0"

N

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CONTRACTOR — DATE:
WORK STAKED BY — DATE:
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BENCH MARK

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FIELD NOTES
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STATE OF NEW MEXICO
LEE D. GAMELSKY
No. 19311
REGISTERED ARCHITECT

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NO. | DATE | BY

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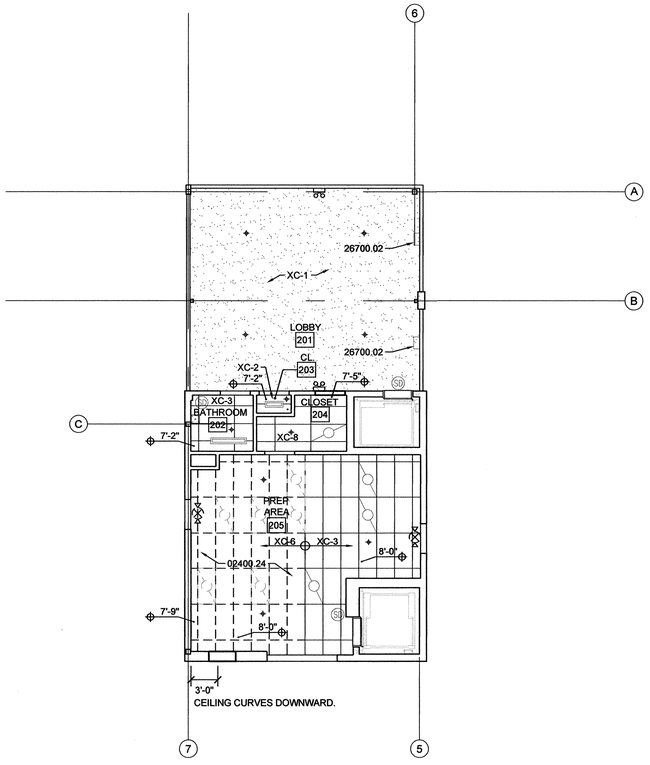
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PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

TITLE: EXISTING CONDITIONS / DEMOLITION REFLECTED CEILING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.
			07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 5 Of 31 | AD-171



A 2ND FLOOR EXISTING CONDITIONS / DEMOLITION REFLECTED CEILING PLAN
1/8" = 1'-0"

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KEYED NOTES

02400.24 REMOVE EXISTING CEILING SYSTEM THIS AREA.
26700.02 EXISTING WALL MOUNTED LIGHT FIXTURE, TO REMAIN.

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SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

STATE OF NEW MEXICO
LEE D. GAMELSKY
No. 1931
REGISTERED ARCHITECT

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

TITLE: EXISTING CONDITIONS / DEMOLITION FLOOR PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
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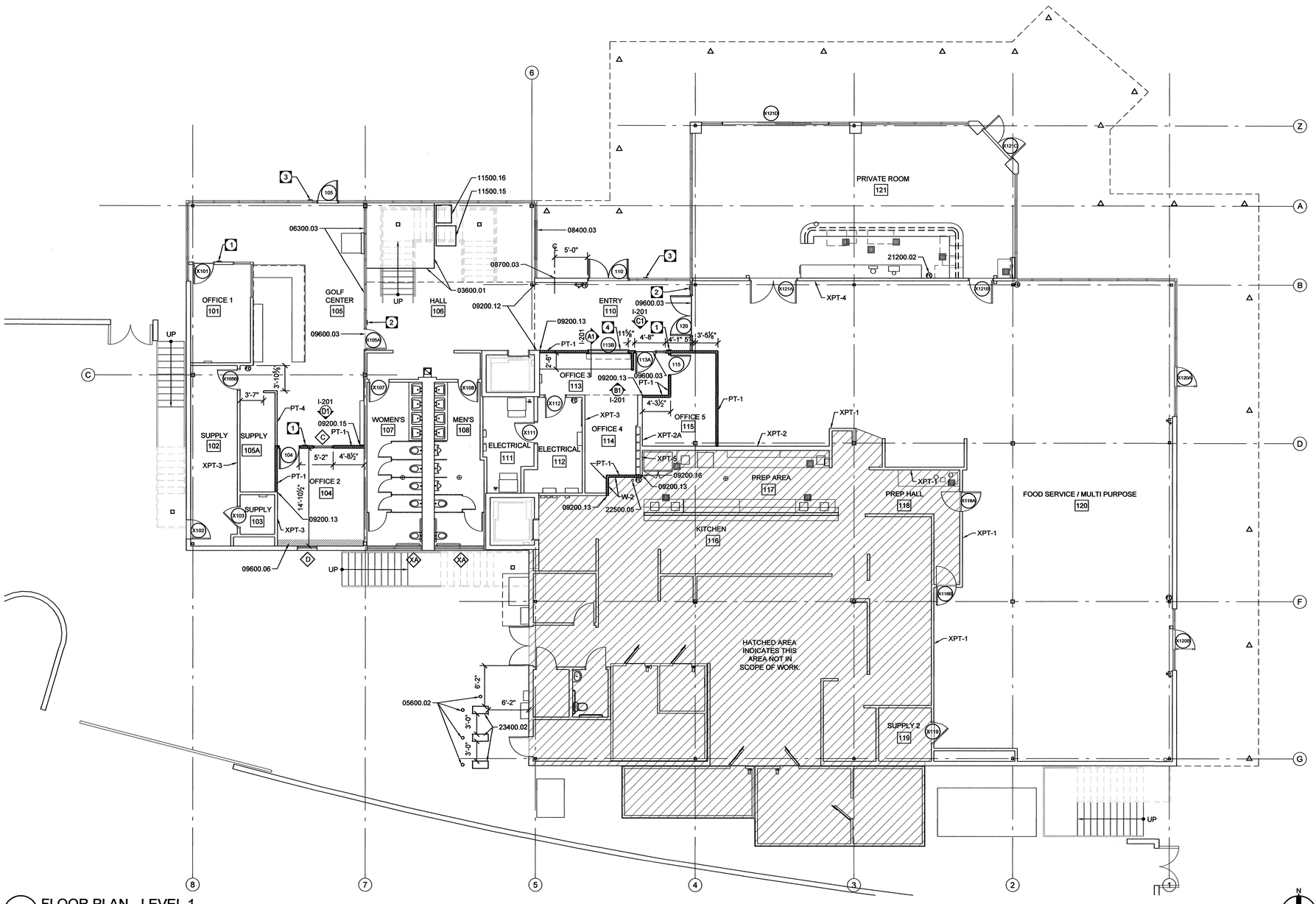
City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 6 Of 37 | AD-172

GENERAL NOTES

A. SEE SHEET A-151 FOR NEW AND EXISTING PARTITION TYPE SCHEDULE.
B. SEE I-200 SHEETS FOR INTERIOR ELEVATIONS AND MILLWORK.
C. SEE SHEET SERIES A-170 FOR REFLECTED CEILING PLAN, CEILING TYPES / FINISHES.
D. SEE SHEETS A-601 - A-603 FOR DOOR SCHEDULE, TYPES AND DETAILS.
E. SEE SHEET A-604 FOR WINDOW TYPES.
F. SEE SHEET A-610 FOR ROOM FINISH SCHEDULE.
G. SEE MECHANICAL AND ELECTRICAL DRAWINGS.
H. DOORS ARE DIMENSIONED TO EDGE OF DOOR, TYP.
I. WINDOWS ARE DIMENSIONED TO EDGE OF WINDOW UNIT.
J. PROVIDE BLOCKING / BACKING BEHIND ALL WALL MOUNTED EQUIPMENT, SHELVING, SCREENS, TV LOCATIONS, GRAB BARS, HANDRAILS AT FRAMED WALLS MILLWORK, COUNTERTOPS, FIXTURES, COORDINATE W/ MECHANICAL AND ELECTRICAL.
K. COORDINATE ALL NEW DOOR/ WINDOW OPENING DIMENSIONS W/ THE DOOR AND WINDOW SCHEDULE/ TYPES, AND THE EXISTING CONDITIONS/ DEMOLITION FLOOR PLANS.
L. PRIOR TO RUNNING ELECTRICAL CONDUIT AND CONDUCTORS, CONTRACTOR IS TO REVIEW ELECTRICAL SWITCHES, DEVICES, AND EQUIPMENT LOCATIONS W/ THE ARCHITECT, OWNERS REPRESENTATIVE, TENANT, AND ELECTRICAL ENGINEER.
M. ANY LOCATIONS OF MECHANICAL, ELECTRICAL DEVICES SHOWN IN ARCHITECTURAL DRAWINGS IS FOR REFERENCE PURPOSES ONLY. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SPECIFIC LOCATIONS AND SCOPE OF WORK..
N. AT EXISTING WALLS TO REMAIN: FRAME-IN, PATCH, MATCH FINISH OF ADJACENT WALLS, FLUSH OUT EVENLY, PRIME AND PAINT, TYPICAL. SEE FINISH SCHEDULE. AT EXISTING WALLS WHERE BLOCKING IS REQUIRED AND / OR NEW ELECTRICAL, PLUMBING, HVAC, ETC. TO BE INSTALLED, REMOVE GYP. BD. AS REQUIRED. REINSTALL GYP. BD., PATCH, PRIME AND PAINT, TYPICAL. SEE ELECTRICAL, MECHANICAL, PLUMBING DRAWINGS.
O. AT ALL WALLS TO REMAIN, REMOVE ALL FASTENERS, NAILS, ETC. PATCH WALLS BEFORE PRIMING AND PAINTING.
P. AT EXISTING WALLS WHERE THE GYP. BD. NEEDS TO BE REMOVED/ REINSTALLED TO RUN NEW MECHANICAL/ ELECTRICAL PIPING, CONDUIT, DEVICES, ETC.: PATCH WALL, MUD, TAPE, BED, PRIME AND PAINT. COORDINATE W/ MECHANICAL/ PLUMBING/ ELECTRICAL.
Q. PROVIDE VERTICAL USG GYP. BD. CONTROL JOINTS AT MAXIMUM 24'-0" O.C. ON CONTINUOUS WALL PLANES, AND AS OTHERWISE INDICATED.
R. ALL OFFICE DESKS SYSTEMS WILL BE PROVIDED BY OWNER, ALL DESK AREAS SHOWN ARE FOR INFORMATION PURPOSES ONLY UNLESS OTHERWISE NOTED.

KEYED NOTES

03600.01 EXISTING PLANTER TO REMAIN. NO CONCRETE SLAB THIS AREA.
05600.02 PIPE BOLLARDS. 6"Ø X 8'-0" LONG, REGULAR STRENGTH. SET IN 16"Ø HOLE X 4'-0" DEEP, CONCRETE FILLED. FILL PIPE WITH CONCRETE. PRIME AND PAINT SAFETY YELLOW. INSTALL/WELD 3 HAB IN EACH PIPE, 8" UP FROM BOTTOM.
06300.03 NEW QUARTER ROUND TRIM ALONG STOREFRONT. MATCH EXISTING, AND FINISH.
08400.03 PROVIDE NEW ALUMINUM STOREFRONT GLAZING SYSTEM WITHIN EXISTING STOREFRONT SYSTEM TO REMAIN. SEE SHEET A-601 FOR MODIFIED FRAME TYPES.
08700.03 NEW DOOR OPERATOR BUTTON, LOCATE 5' O.C. FROM EDGE OF DOOR. SEE ELECTRICAL.
09200.12 PATCH, PRIME AND PAINT EXISTING GYP. BOARD WALL THIS LOCATION. SEE FINISH SCHEDULE.
09200.13 OUTSIDE FACE OF NEW GYP. BOARD TO FLUSH OUT WITH EXISTING GYP. BOARD. ALIGN NEW FRAMING ACCORDING TO THIS EXISTING WALL.
09200.15 PROVIDE ±3" GAP BETWEEN MILLWORK AND FACE OF GYP. BOARD.
09200.16 LOCATE NEW PARTITION FRAME WALL AT END OF EXISTING WALL. FLUSH OUT FRP/GYP. BOARD FINISHES ON KITCHEN SIDE.
09600.03 NEW HARD RUBBER TRANSITION STRIP. CENTER UNDER DOOR.
09600.06 REPAIR AND/OR INSTALL NEW COMPOSITE WOOD FLOORING SYSTEM AT HATCHED AREA, MATCH EXISTING. FIELD VERIFY.
11500.15 EXISTING SODA VENDING MACHINE, 37"W X 36"D X 80"H. RELOCATE TO LOBBY.
11500.16 EXISTING SNACK VENDING MACHINE, 33"W X 28"D X 72"H. RELOCATE TO LOBBY.
21200.02 PROVIDE NEW FIRE EXTINGUISHER MOUNTED TO WALL THIS LOCATION. ALL OTHER FIRE EXTINGUISHERS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
22500.05 RELOCATE CLEAN OUT TO THIS LOCATION. SEE MECHANICAL.
23400.02 NEW MECHANICAL CONDENSER UNIT ON NEW CONCRETE PAD. SEE MECHANICAL FOR UNIT AND PAD DIMENSIONS.



A1 FLOOR PLAN - LEVEL 1
1/8" = 1'-0"

N

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LEE D GAMELSKY
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PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

TITLE: FLOOR PLAN - LEVEL 1

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
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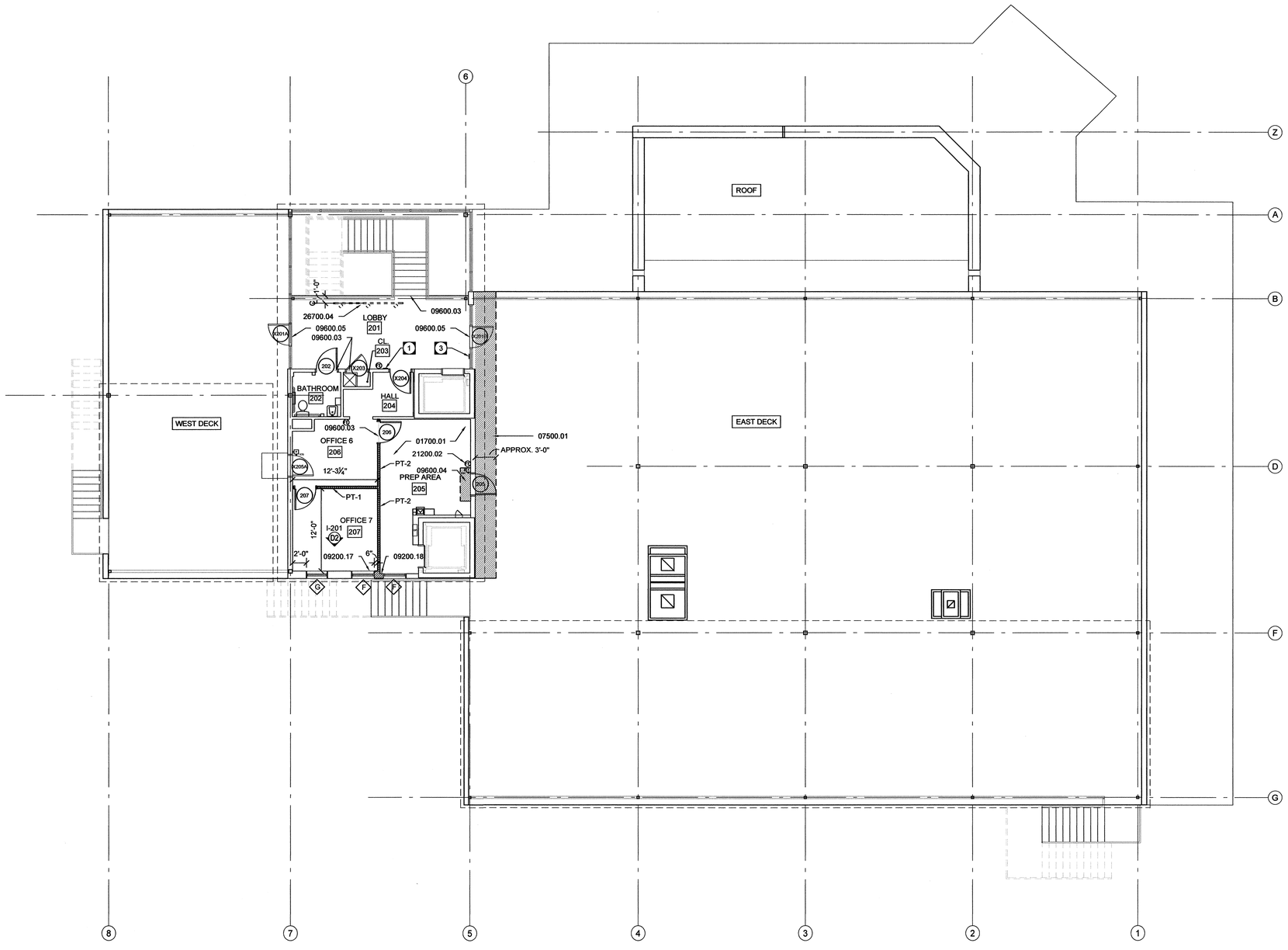
City Project No.	Zone Map No.	Sheet:
P7997.03	B-17-Z	7 Of 31 A-101

GENERAL NOTES

A. INSTALL ALL ROOFING ACCESSORIES AND DETAILS STRICTLY PER ROOFING MANUFACTURER'S RECOMMENDATIONS AND NRCA ROOFING WATERPROOFING MANUAL, CURRENT EDITION.
B. FABRICATE AND INSTALL ALL SHEET METAL FLASHING, AND ACCESSORIES PER RECOMMENDATIONS OF SMACNA ARCHITECTURAL SHEET METAL MANUAL. CURRENT EDITION.

KEYED NOTES

01700.01 THOROUGHLY CLEAN AND SANITIZE PREP AREA: ALL SURFACES: WALLS, FLOORS, CEILINGS, AND EQUIPMENT AND DEVICES.
07500.01 PATCH EXISTING ROOFING SYSTEM/BASE FLASHINGS/TIE-INS THIS AREA. APPROX. 120 SF. EXISTING ROOF IS A MODIFIED BITUMEN SYSTEM. PICK-UP/ UNSCREW EXISTING COMPOSITE WOOD DECK SYSTEM TO ACCESS ROOFING MEMBRANE. REPLACE DECKING WHEN COMPLETE. FLOOD TEST BEFORE REPLACING DECK.
09200.17 REFRAME ALONG THIS WALL (FURR OUT) TO FLUSH IT OUT ACROSS FULL LENGTH OF WALL. 5/8"GYP. BOARD OVER 3 5/8" X 25 GA. METAL STUDS AT 16" O.C. FIELD VERIFY FOR EXTENT OF FURR OUT NEEDED.
09200.18 NEW WALL FRAMING AT AREA BETWEEN NEW WINDOWS. SEE SHEET A-603 FOR WINDOW JAMB / WALL CONDITION.
09600.03 NEW HARD RUBBER TRANSITION STRIP. CENTER UNDER DOOR.
09600.04 PATCH EXISTING EPOXY FLOOR TOPPING THIS AREA. APPROX. 10 SF. MATCH EXISTING COLOR. SCRAPE, CLEAN, PREP PER MANUFACTURER REQUIREMENTS.
09600.05 EXTEND NEW CARPET TILE UNDER EXISTING THRESHOLD THIS LOCATION.
21200.02 PROVIDE NEW FIRE EXTINGUISHER MOUNTED TO WALL THIS LOCATION. ALL OTHER FIRE EXTINGUISHERS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
26700.04 NEW LIGHT FIXTURE ABOVE SHOWN ONLY TO CLARIFY LOCATION, SEE ELECTRICAL DRAWINGS FOR A LIGHTING FIXTURES, ETC.



A FLOOR PLAN - LEVEL 2
1/8" = 1'-0"

AS BUILT INFORMATION
BENCH MARK
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

STATE OF NEW MEXICO
LEE D. GAMELSKY
No. 1931
REGISTERED ARCHITECT

NO. DATE REVISIONS/REMARKS BY

DESIGNED BY: LGA DATE:
DRAWN BY: JPW DATE:
CHECKED BY: LG DATE:

LEE GAMELSKY ARCHITECTS P.C.
2412 MILES ROAD SE
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PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

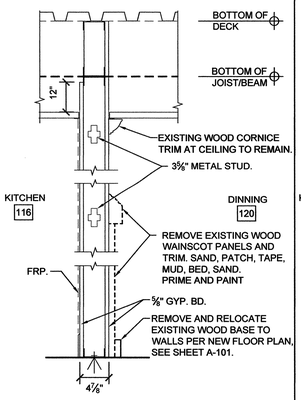
TITLE: FLOOR PLAN - LEVEL 2

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
				07/08/11

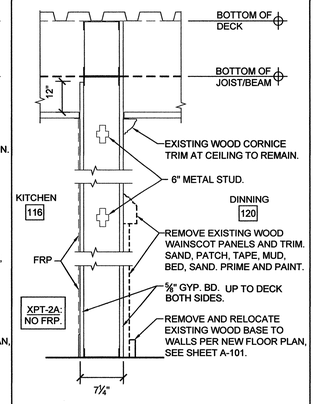
City Project No.	Zone Map No.	Sheet:
P7997.03	B-17-Z	8 Of 34 A-102

PARTITION TYPES (PT)

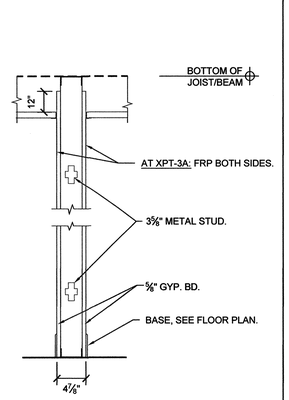
PARTITION TYPES ARE INDICATED FOR INTERIOR PARTITION FRAMING. SEE FINISH SCHEDULE A-6XX FOR FINISHES.



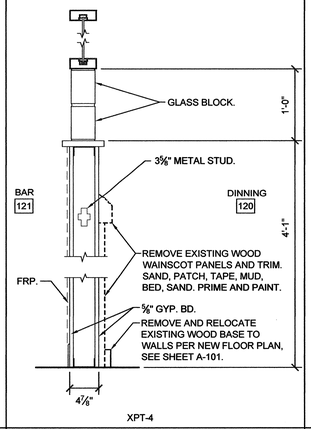
XPT-1 (EXISTING PARTITION)



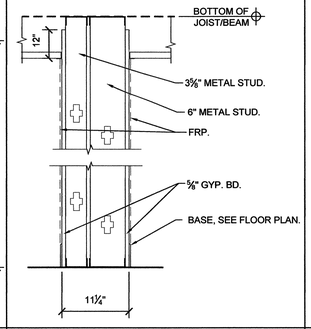
XPT-2 / XPT-2A (EXISTING PARTITION)



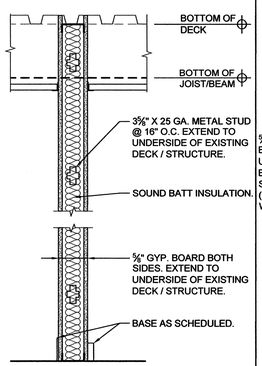
XPT-3 / XPT-3A (EXISTING PARTITION)



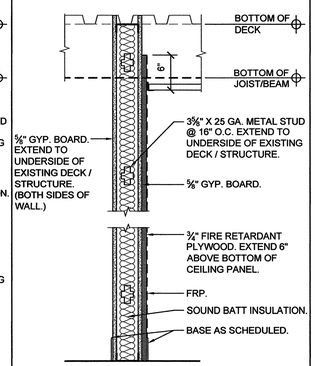
XPT-4



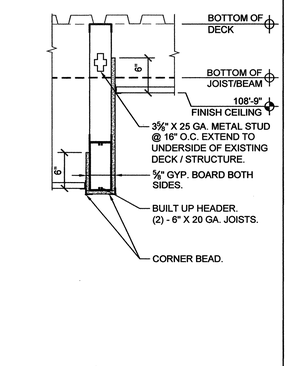
XPT-5 (EXISTING PARTITION)



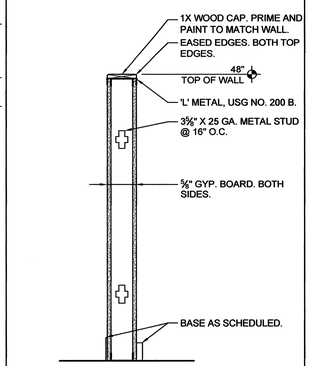
PT-1



PT-2



PT-3



PT-4

B1 NEW & EXISTING CONDITIONS PARTITION TYPE SCHEDULE

1" = 1'-0"

GENERAL NOTES

A. INSTALL ALL SILL TRACKS IN A CONTINUOUS BED OF SEALANT.
B. AT TOP OF METAL STUD TRACK, WHERE IT ABUTS METAL DECK: INSTALL FIBERGLASS BATT OR SPRAY-IN FOAM INSULATION BETWEEN THE FLUTES.
C. PROVIDE BLOCKING / BACKING IN WALLS FOR MILLWORK, ACCESSORIES, ETC. SEE FLOOR PLANS AND ACCESSORIES SCHEDULE.
D. AT ALL PLUMBING WALLS WITHOUT CERAMIC TILE PROVIDE AND INSTALL WATER RESISTANT GYPSUM BOARD.
E. WHERE SOUND BATTS ARE CALLED OUT, INSTALL FROM FLOOR TO DECK.
F. ALL PRIMING AND PAINTING INCLUDE TOUCH-UP WORK AT EXISTING WALLS, SURFACES, ETC. PRIME AND PAINT FROM CORNER TO CORNER.

AS BUILT INFORMATION
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MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES
BY DATE
NO.

STATE OF NEW MEXICO
LEE D. GAMELSKY
No. 1931
REGISTERED ARCHITECT

REVISIONS/REMARKS
NO. DATE BY

DESIGNED BY: LGA DATE:
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PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

TITLE: PARTITION TYPE SCHEDULE

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
				07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 9 Of 31 A-151

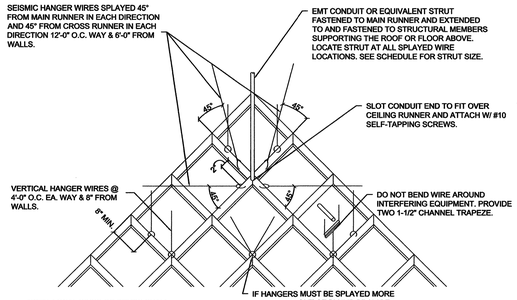
1. **VERTICAL HANGERS** - SUSPENSION WIRES SHALL NOT BE SMALLER THAN NO. 12 GAUGE SPACED AT 4' O.C. OR NO. 10 GAUGE SPACED AT 5' O.C. ALONG EACH MAIN RUNNER. EACH VERTICAL WIRE SHALL BE ATTACHED TO THE CEILING SUSPENSION MEMBER AND TO THE STRUCTURE ABOVE WITH A MINIMUM OF THREE TURNS. ANY CONNECTION DEVICE AT THE SUPPORTING CONSTRUCTION SHALL BE CAPABLE OF CARRYING NOT LESS THAN 100 POUNDS. SUSPENSION WIRES SHALL NOT HANG MORE THAN 1-IN-6 OUT-OF-PLUMB UNLESS COUNTER SLOPING WIRES ARE PROVIDED. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. A TRAPEZE OR EQUIVALENT DEVICE SHALL BE USED WHERE OBSTRUCTIONS PRECLUDE DIRECT SUSPENSION. TRAPEZE SUSPENSIONS SHALL BE A MINIMUM OF BACK-TO-BACK 1-1/4" COLD-ROLLED CHANNELS OR UNISTRUT FRAMING FOR SPANS EXCEEDING 48".

2. **PERIMETER HANGERS** - THE PERIMETER ENDS OF EACH CROSS RUNNER AND MAIN RUNNER SHALL BE SUPPORTED INDEPENDENTLY AT A MAXIMUM OF 8" FROM EACH WALL OR PERIMETER EDGE WITH NO. 12 GAUGE WIRE OR APPROVED WALL SUPPORT. THESE WIRES SHALL NOT HANG MORE THAN 1-IN-6 OUT-OF-PLUMB AND MUST BE CONNECTED TO AN ADJACENT WALL OR TO THE STRUCTURE ABOVE.

3. **LATERAL FORCE BRACING** - WHERE DESIGN CALCULATIONS BY A STRUCTURAL ENGINEER ARE NOT PROVIDED, HORIZONTAL RESTRAINTS SHALL BE EFFECTED BY FOUR NO. 12 GAUGE WIRES SECURED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS RUNNER INTERSECTION AND SPLAYED 90° FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45° FROM THE PLANE OF THE CEILING. A STRUT FASTENED TO THE MAIN RUNNER SHALL BE EXTENDED TO AND FASTENED TO THE STRUCTURAL MEMBERS SUPPORTING THE ROOF OR FLOOR ABOVE. THE STRUT SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES. THESE HORIZONTAL RESTRAINT POINTS SHALL BE PLACED 12' ON CENTER IN BOTH DIRECTIONS WITH THE FIRST POINT WITHIN 6' FROM EACH WALL. ATTACHMENT OF THE RESTRAINT WIRES TO THE STRUCTURE ABOVE SHALL BE ADEQUATE FOR THE LOAD IMPOSED. LATERAL FORCE BRACING MEMBERS SHALL BE SPACED A MINIMUM OF 6" FROM ALL HORIZONTAL PIPING OR DUCT WORK THAT IS NOT PROVIDED WITH BRACING RESTRAINTS FOR HORIZONTAL FORCES. BRACING WIRES SHALL BE ATTACHED TO THE GRID AND STRUCTURE IN SUCH A MANNER THAT THEY CAN SUPPORT A DESIGN LOAD OF NOT LESS THAN 200 POUNDS OR THE ACTUAL DESIGN LOAD, WITH A SAFETY FACTOR OF 2, WHICHEVER IS GREATER.

4. **PERIMETER MEMBERS** - WALL ANGLES OR CHANNELS SHALL BE CONSIDERED AS AESTHETIC CLOSURES AND SHALL HAVE NO STRUCTURAL VALUE ASSESSED TO THEM OR THEIR METHOD OF ATTACHMENT TO THE WALLS. ENDS OF MAIN RUNNERS AND CROSS MEMBERS SHALL BE TIED TOGETHER TO PREVENT THEM FROM SPREADING.

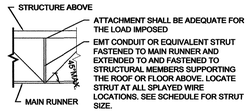
5. **ATTACHMENT OF MEMBERS TO THE PERIMETER** - TO FACILITATE INSTALLATION, MAIN RUNNERS AND CROSS RUNNERS MAY BE ATTACHED TO THE PERIMETER MEMBER AT TWO ADJACENT WALLS WITH CLEARANCE BETWEEN THE WALL AND THE RUNNERS MAINTAINED AT THE OTHER TWO WALLS.



NOTE: LOCAL KINKS OR BENDS SHALL NOT BE MADE IN HANGER WIRES FOR LEVELING.

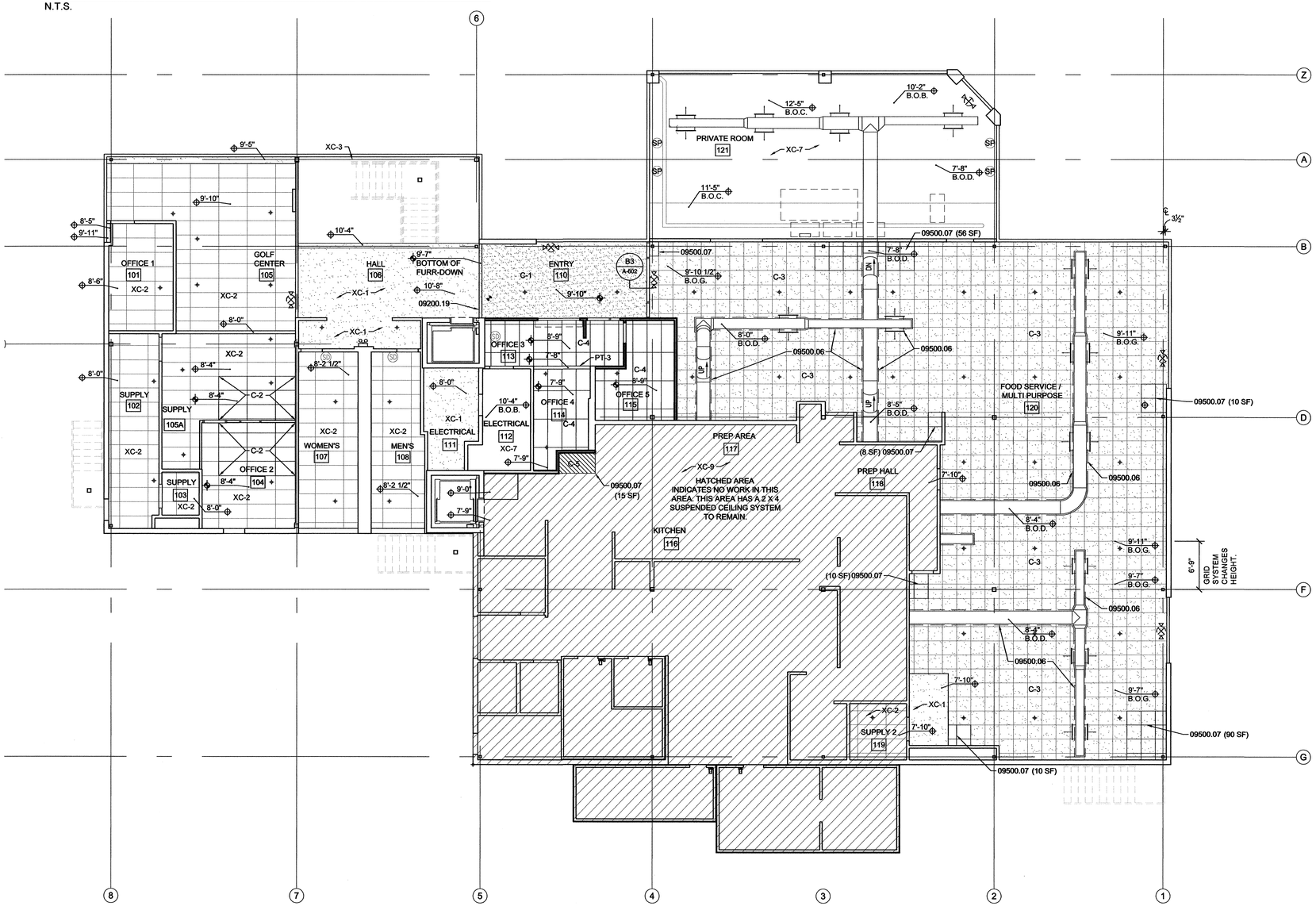
STRUT SCHEDULE	
EMT SIZE (NOMINAL)	LENGTH (Lr) ≤ 200
1/2"	≤ 3'-10"
3/4"	≤ 5'-0"
1"	≤ 6'-6"
1-1/4"	≤ 8'-6"
1/2"	≤ 9'-10"

EMT - ELECTRICAL METALLIC TUBING



D1 TYPICAL LAY-IN CEILING AND SUSPENSION CEILING SYSTEM: RESTRAINING WIRES AND VERTICAL STRUTS

N.T.S.



A1 REFLECTED CEILING PLAN - LEVEL 1

1/8" = 1'-0"

GENERAL NOTES

A. THE EXISTING SPRINKLER HEADS SHALL BE LOWERED IN THE FOOD SERVICE/ MULTIPURPOSE ROOM. CENTER SPRINKLER HEADS IN NEW CEILING PANELS. WHITE TRIM, SEE PLUMBING.
B. IN THE FOOD SERVICE/ MULTIPURPOSE ROOM, PRIME AND PAINT THE DUCTWORK. ALL GRILLES/ REGISTERS TO BE WHITE.
C. WHERE NEW LIGHT FIXTURES ARE INSTALLED IN SUSPENDED CEILING SYSTEMS, CENTER LIGHT FIXTURES IN PANELS OR AS OTHERWISE INDICATED.
D. PRIME AND PAINT ALL GYP. BD. CEILING AREAS AS REFERENCED IN THE FINISH SCHEDULE. PAINT CORNER TO CORNER.
E. THE REFLECTED CEILING PLAN INDICATES SPECIFIC AREAS WHERE THE CEILING GRID NEEDS TO BE REPLACED. IN ADDITION TO THE AREAS INDICATED, BUDGET AN ADDITIONAL 200 SF OF CEILING GRID AREA TO BE REPLACED AS DIRECTED BY THE ARCHITECT OR OWNER.
F. THROUGHOUT THE BUILDING; ELECTRICAL, MECHANICAL, PLUMBING AND ARCHITECTURAL CHANGES WILL BE MADE. COORDINATE ALL FINISH WORK WITH THESE TRADES. CONTRACTOR IS TO REPAIR/ REPLACE ANY AND ALL DAMAGED CEILING PANELS, AND SUSPENDED CEILING GRID SYSTEM AREAS AS A RESULT OF THE WORK.
G. SEE SHEET A-610 ROOM FINISH SCHEDULE FOR FINISH CEILING INFORMATION.
H. INSTALL SUSPENDED CEILING SYSTEMS IN ACCORDANCE WITH ASTM C 635/ C 636 AND A-641.
I. CEILING HEIGHTS ARE REFERENCED BY 'ABOVE FINISHED FLOOR' (A.F.F.) FOR THAT IMMEDIATE ROOM.
J. AT EXISTING GYPSUM BOARD CEILINGS TO REMAIN, PATCH, PRIME AND PAINT. SEE DEMOLITION DRAWINGS INCLUDING MECHANICAL AND ELECTRICAL ITEMS REMOVED.
K. SEE ELECTRICAL AND MECHANICAL PLANS FOR EQUIPMENT, DUCTWORK, GRILLES, LIGHTING, AND DEVICE LOCATIONS.

KEYED NOTES

09200.19 EXISTING FURR-DOWN TO REMAIN. PATCH, PRIME AND PAINT.
09500.06 INSTALL NEW CEILING GRID WALL ANGLE ON DUCTWORK WHERE GRID DIES INTO DUCTWORK. WHITE.
09500.07 NEW CEILING GRID. MATCH EXISTING PROFILE. WHITE COLOR.

AS BUILT INFORMATION
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SURVEY INFORMATION
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PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

TITLE: REFLECTED CEILING PLAN - LEVEL 1

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
				07/08/11

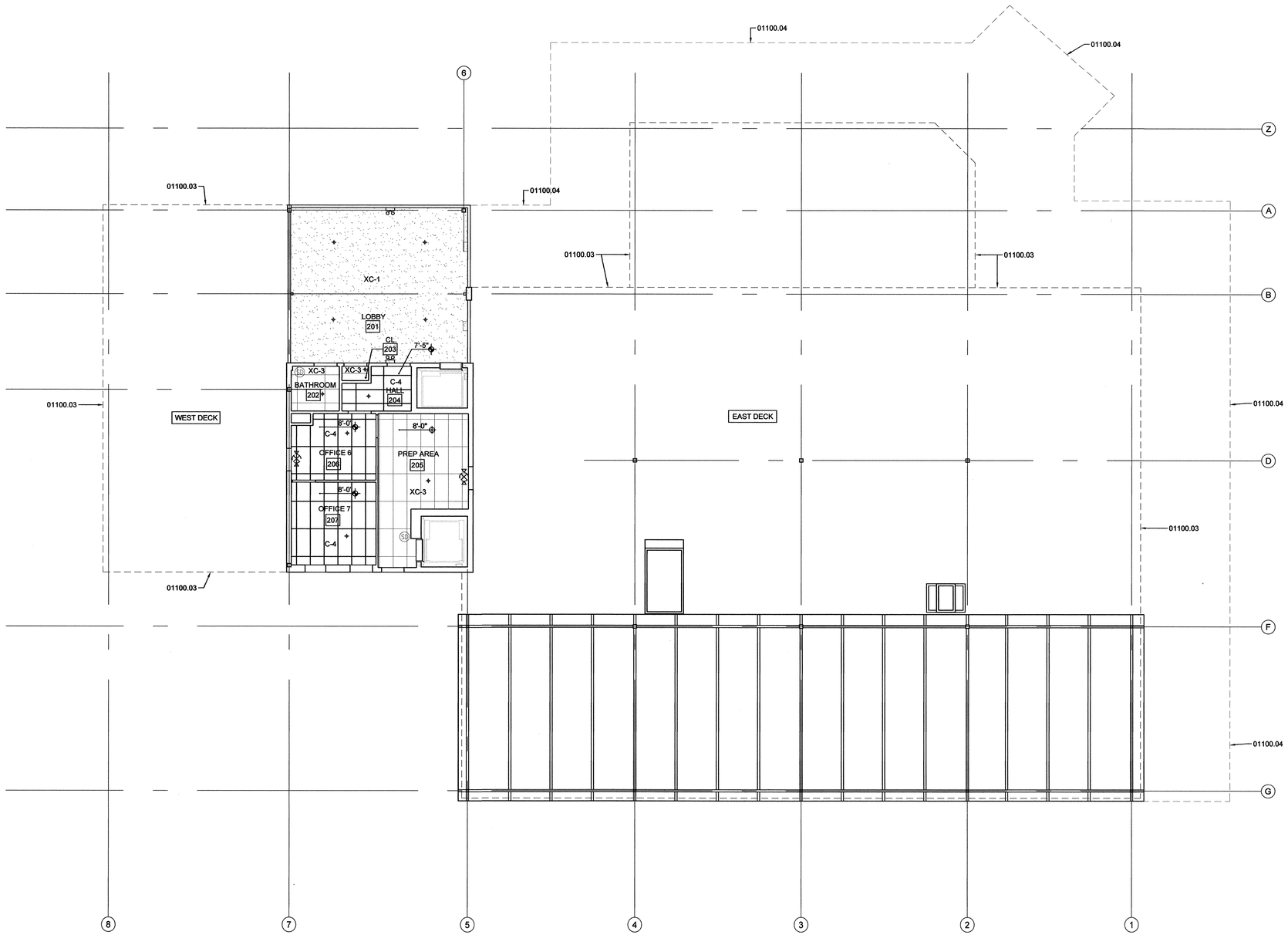
City Project No.	Zone Map No.	Sheet:
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GENERAL NOTES

A. VERIFY EXISTING CLEARANCE ABOVE CEILING STRUCTURE AT AREAS OF NEW CEILING IN OFFICES 6 & 7 PRIOR TO LOCATING AND INSTALLING NEW 2 X 4 CEILING GRID.

KEYED NOTES

01100.03 LINE INDICATES PERIMETER OF BUILDING.
01100.04 LINE INDICATES PERIMETER EDGE OF PORTAL BELOW.



A REFLECTED CEILING PLAN - LEVEL 2
1/8" = 1'-0"

N

AS BUILT INFORMATION
BENCH MARK
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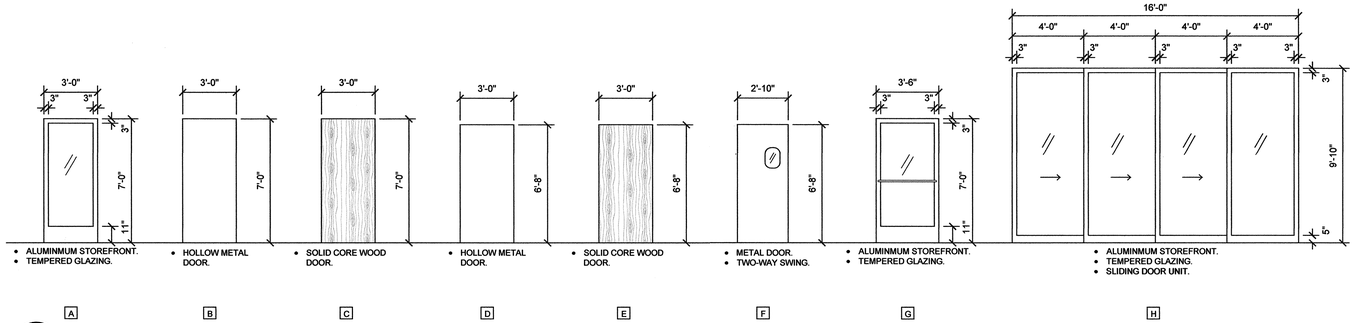
TITLE: REFLECTED CEILING PLAN - LEVEL 2

Design Review Committee	City Engineer Approval	Last Design Update	MO / DAY / YR	MO / DAY / YR
				07/08/11

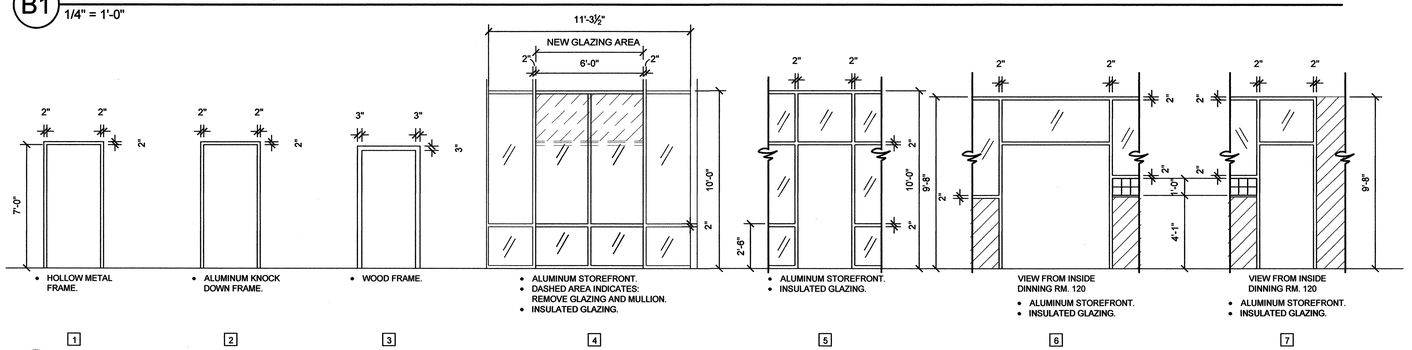
City Project No.	Zone Map No.	Sheet:	Of
P7997.03	B-17-Z	11	31 A-172

NEW AND EXISTING DOOR AND FRAME SCHEDULE

DOOR											FRAME													
DOOR No.	SIZE		MAT	EXISTING DOOR TO REMAIN	EXISTING DOOR TO BE REMOVED	EXISTING DOOR TO BE RELOCATED	NEW DOOR	GLAZING	TYPE	FINISH	EXISTING FRAME TO REMAIN	EXISTING FRAME TO BE REMOVED	EXISTING FRAME TO BE RELOCATED	NEW FRAME	MAT	TYPE	FINISH	DETAIL			HDW No.	PROVIDE SIGNAGE AT THESE DOORS. SEE SIGNAGE SCHEDULE ON THIS SHEET.	NOTES
	W X H	THK																HEAD	JAMB	SILL			
X101	3'-0" x 7'-0"	1 3/4"	WD	●					C	--	●				HM	1	--	--	--	--	--	1	--
X102	3'-0" x 7'-0"	1 3/8"	HM	●					B	--	●				HM	1	--	--	--	--	--	--	--
X103	3'-0" x 6'-8"	1 3/4"	HM	●					D	--	●				WD	3	--	--	--	--	--	--	--
104	3'-0" x 7'-0"	1 3/4"	WD				●		L	SS				●	HM	12	PT	B1/A-602	B1/A-602	--	01	1	--
X105A	3'-0" x 7'-0"	1 3/4"	AL	●				●	A	--	●				AL	11	--	--	--	--	--	2	--
X105B	3'-0" x 7'-0"	1 3/4"	WD	●					C	--	●				HM	1	--	--	--	--	--	--	--
105	3'-0" x 7'-0"	1 3/4"	AL				●	●	J	BA				●	AL	9	BA	B2/A-603	B2/A-603	A2/A-603	02	3	--
X106	PR 3'-0" x 7'-0"	1 3/4"	AL		●			●	A	--					--	--	--					--	--
X107	3'-0" x 6'-8"	1 3/4"	WD	●					E	SS	●				KD	2	--	--	--	--	--	--	SAND AND REFINISH DOOR.
X108	3'-0" x 6'-8"	1 3/4"	WD	●					E	SS	●				KD	2	--			--	--	--	SAND AND REFINISH DOOR.
X110A	3'-0" x 7'-0"	1 3/4"	AL		●			●	A	--		●			AL	8	--	--	--	--	--	--	--
X110B	3'-0" x 7'-0"	1 3/4"	AL		●			●	A	--		●			AL	10	--	--	--	--	--	--	--
110	PR 3'-0" x 7'-0"	1 3/4"	AL				●	●	J	BA				●	AL	8	--	B1/A-603	B2/A-603	A1/A-603	03	3	PROVIDE DOOR OPERATOR.
X111	3'-0" x 7'-0"	1 3/4"	WD	●					C	--	●				HM	1	--	--	--	--	--	--	DOOR HAS EXISTING CLOSER.
X112	3'-0" x 6'-8"	1 3/4"	WD	●					E	--		●			KD	2	--	--	--	--	--	--	DOOR HAS EXISTING CLOSER.
113A	3'-0" x 7'-0"	1 3/4"	WD				●		L	SS				●	HM	14	PT	B1/A-602	B1/A-602 A1/A-602	--	01	1	--
113B	6'-0" x 4-7"		ST				●		M	PC					--	--	--	C4/A-602	B4/A-602	A4/A-602	04	4	COORDINATE LOCK CYLINDER WITH DOOR MANUFACTURER.
115	3'-0" x 7'-0"	1 3/4"	WD				●		L	SS				●	HM	12	PT	B2/A-602	B2/A-602	--	05	--	NO CLOSER.
X118A	2'-10" x 6'-8"	1"	M	●				●	F	--	●				AL	5	PT	--	--	--	--	--	METAL DOOR W/ LITE, NO FRAME.
X118B	2'-10" x 6'-8"	1"	M	●				●	F	--	●				AL	5	PT	--	--	--	--	--	METAL DOOR W/ LITE, NO FRAME.
X119	3'-0" x 6'-8"	1 3/4"	WD	●					E	--	●				WD	3	--	--	--	--	--	--	--
X120A	3'-0" x 7'-0"	1 3/4"	AL	●				●	A	--	●				AL	5	--	--	--	--	--	--	--
X120B	3'-0" x 7'-0"	1 3/4"	AL	●				●	A	--	●				AL	5	PT	--	--	--	--	--	--
120	PR 3'-0" x 7'-0"	1 3/4"	AL				●	●	J	BA				●	AL	13	BA	B3/A-602	B3/A-602 A3/A-602	--	06	2	--
X121A	PR 3'-6" x 7'-0"	1 3/4"	AL	●				●	G	--	●				AL	6	PT	--	--	--	--	--	--
X121B	3'-6" x 7'-0"	1 3/4"	AL	●				●	G	--	●				AL	7	PT	--	--	--	--	--	--
X121C	PR 3'-0" x 7'-0"	1 3/4"	AL	●				●	A	--	●				AL	4	--	--	--	--	--	--	--
X121D	16'-0" x 9'-10"	1 3/4"	AL	●				●	H	--	●				--	--	--	--	--	--	--	--	--
X201A	3'-0" x 7'-0"	1 3/4"	AL	●				●	A	--	●				AL	5	--	--	--	--	--	--	--
X201B	3'-0" x 7'-0"	1 3/4"	AL	●				●	A	--	●				AL	5	--	--	--	--	--	3	
X202	3'-0" x 7'-0"	1 3/4"	WD		●				C	--		●			KD	2	--	--	--	--	--	--	KICK PLATE, CLOSER.
202	3'-0" x 7'-0"	1 3/4"	WD				●		L	SS				●	HM	12	PT	B1/A-602	B1/A-602	--	07	--	
X203	3'-0" x 7'-0"	1 3/4"	WD	●					C	SS	●				KD	2	PT	--	--	--	--	--	
X204	3'-0" x 7'-0"	1 3/4"	WD			●			C	SS			●		KD	2	PT	--	--	--	08	1	REVISE EXISTING DOOR HARDWARE, RELOCATE DOOR.
X205A	3'-0" x 7'-0"	1 3/4"	HM	●					B	PT		●			HM	1	PT			--	--	--	PRIME AND PAINT INSIDE FACE OF DOOR AND FRAME.
X205B	3'-0" x 7'-0"	1 3/4"	HM		●				B	--		●			HM	1	--	--	--	--	--	--	VIEW WINDOW.
205	3'-0" x 7'-0"	1 3/4"	HM				●		K	PT				●	HM	12	PT	B2/A-602	B2/A-602	A2/A-602	09	--	
206	3'-0" x 7'-0"	1 3/4"	WD				●		L	SS				●	HM	12	PT	B1/A-602	B1/A-602	--	05	--	KICK PLATE.
207	3'-0" x 7'-0"	1 3/4"	WD				●		L	SS				●	HM	12	PT	B1/A-602	B1/A-602	--	05	--	KICK PLATE.



B1 EXISTING DOOR TYPES
1/4" = 1'-0"



A1 EXISTING AND MODIFIED FRAME TYPES
1/4" = 1'-0"

GENERAL NOTES

A. HOLLOW METAL FRAMES ARE COLD-ROLLED STEEL WITH MITERED, COPED, AND WELDED CORNERS. FACTORY PRIMED AND FIELD PAINTED. GROUTALL FRAMES SOLID.
B. THRESHOLDS SHALL BE 1/2" HIGH MAXIMUM.
C. THE BOTTOM 10" OF ALL DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE.
D. HOLLOW METAL FRAMES ARE TYPICALLY 5-3/4" DEEP, OUTSIDE FACE TO OUTSIDE FACE, 2" WIDE, WITH A 4-7/8" THROAT, UNLESS OTHERWISE NOTED. REFERENCE THE PARTITION SCHEDULE (PT-TYPES) FOR THE WALL THICKNESS/ TYPE/ CONSTRUCTION ALONG WITH FINISHES THAT THE DOOR IS LOCATED IN.
E. PRIME AND PAINT ALL HOLLOW METAL FRAMES.
F. PROVIDE MINIMUM 3 JAMB ANCHORS EACH SIDE OF DOOR FRAME.
G. AT SILL LOCATIONS SET THRESHOLDS, AND FRAMES IN A CONTINUOUS BED OF SILICONE OR POLYURETHANE SEALANT.
H. SEE SHEETS A-602-604 FOR DOOR/WINDOW DETAILS.
F. ALL NEW DOORS SHALL BE HARDWOOD/BIRCH VENEER, CLEAR SEALED AND FINISHED TO MATCH EXISTING WOOD DOORS - CONTRACTOR TO VERIFY FINISH OF EXISTING WOOD DOORS.
G. ALL DOOR HARDWARE MUST COMPLY WITH IBC AND N.M. BUILDING CODE. ADJUST CLOSERS SO THAT FROM AN OPEN POSITION (90 DEGREES), TIME REQUIRED TO CLOSE 12 DEGREES SHALL BE (5) SECONDS, MINIMUM. (ANSI A117.1-1998 404.2.8).
H. PROVIDE TEMPERED/ SAFETY GLASS AT DOORS/ SIDE LITES AND ADJACENT LOCATIONS.
I. AT INTERIOR WOOD DOORS TO BE CLEAR SEALED : LIGHTLY SAND, CLEAN, INSTALL CLEAR SEALER , COAT WITH MINIMUM 3 COATS CLEAR POLYURETHANE FINISH.
J. AT DOORS TO BE RELOCATED AND/OR NEW DOORS/FRAMES LOCATED IN EXISTING CONSTRUCTION, GENERAL CONTRACTOR IS TO FIELD VERIFY DIMENSIONS, FIELD VERIFY LOCATIONS OF EXISTING HARDWARE, ETC. SEE HARDWARE SCHEDULE.
K. MOUNTING HEIGHT OF PANIC EXIT DEVICES IS CENTER LINE AT 39 ½" A.F.F.
L. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING DOOR/ DOOR HARDWARE CONDITIONS PRIOR TO ORDERING HARDWARE AND DEVICES, AND TO ENSURE THE HARDWARE IS COMPATIBLE WITH THE EXISTING AND CONSTRUCTED CONDITIONS.
M. DOOR HARDWARE SHALL TYPICALLY BE INSTALLED WITH THE CENTER OF THE STRIKES AT 39½" A.F.F.

SIGNAGE SCHEDULE

No.	DESCRIPTION	QTY.	REMARKS
1.	ADA COMPLIANT ROOM SIGN. PRODUCT D4 X 6CPT. CURVED ALUMINUM FRAME. NON GLARE LENS, BLACK END CAPS. DIGITAL PRINTED BACKGROUND. UPDATEABLE TRANSPARENCY MESSAGE.	4	SEE DOOR SCHEDULE.
2.	STANDARD ETCHED VINYL LETTERING ON INTERIOR GLASS DOORS OR ADJACENT SIDE LITE. TEXT = 2" HIGH LETTERS. COPY TO READ: "THE GOLF TRAINING CENTER" TO BE DETERMINED: '25 CHARACTERS'	2	
3.	STANDARD WHITE VINYL LETTERING ON EXTERIOR GLASS DOORS OR ADJACENT SIDE LITE. TEXT = 2 ½" HIGH LETTERS. COPY TO READ: "THE GOLF TRAINING CENTER" OR "PARKS AND RECREATION FIELD OFFICE" TO BE DETERMINED: '25 CHARACTERS'	3	
4.	ARCHITECTURAL DIMENSIONAL CAST METAL LETTERS. 4" HIGH LETTERS. STYLE: ROFFE. PROJECTED MOUNTING.	1	LOCATED ABOVE DOOR, PROVIDE FIRE RETARDANT 2X BLOCKING BEHIND LETTERS.

CONTACT: CENTURY SIGN BUILDERS, 505-888-2901

MATERIAL KEY

AL	ALUMINUM STOREFRONT
SCWD	SOLID CORE WOOD
WD	WOOD
HM	HOLLOW METAL
KD	KNOCK DOWN FRAME
SS	3 COATS CLEAR POLYURETHANE FINISH
PT	PRIME AND PAINT
PR	PAIR
M	METAL DOOR
BA	ALUMINUM. BAKED ENAMEL - WHITE.
PC	POWDER COATED STEEL

LEE GAMELSKY ARCHITECTS P.C.
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AS BUILT INFORMATION
BENCH MARK
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NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REVISIONS/REMARKS
NO. DATE BY

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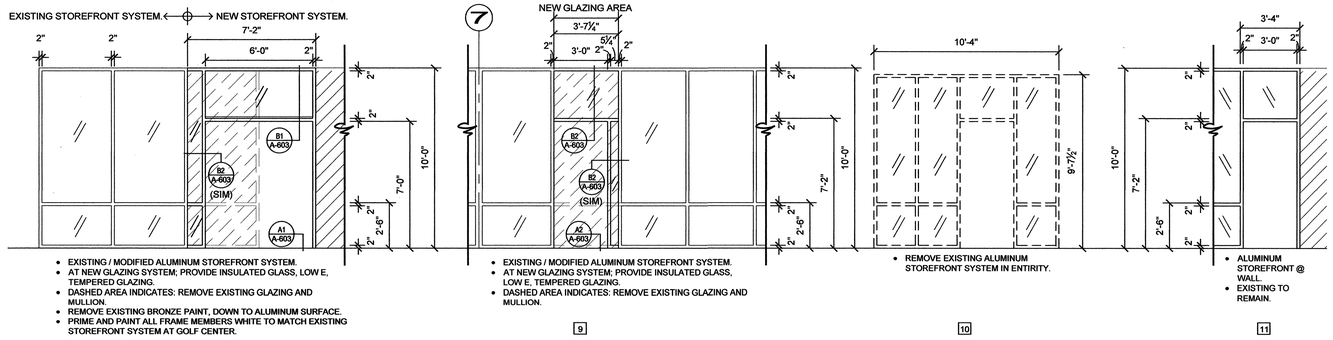
STATE OF NEW MEXICO
LEE D. GAMELSKY
No. 1931
REGISTERED ARCHITECT

PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

TITLE: DOOR AND FRAME SCHEDULE / EXISITNG DOOR AND FRAME TYPES

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
				07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 12 Of 31 | A-601



- EXISTING / MODIFIED ALUMINUM STOREFRONT SYSTEM.
- AT NEW GLAZING SYSTEM; PROVIDE INSULATED GLASS, LOW E, TEMPERED GLAZING.
- DASHED AREA INDICATES: REMOVE EXISTING GLAZING AND MULLION.
- REMOVE EXISTING BRONZE PAINT, DOWN TO ALUMINUM SURFACE.
- PRIME AND PAINT ALL FRAME MEMBERS WHITE TO MATCH EXISTING STOREFRONT SYSTEM AT GOLF CENTER.

9

- EXISTING / MODIFIED ALUMINUM STOREFRONT SYSTEM.
- AT NEW GLAZING SYSTEM; PROVIDE INSULATED GLASS, LOW E, TEMPERED GLAZING.
- DASHED AREA INDICATES: REMOVE EXISTING GLAZING AND MULLION.

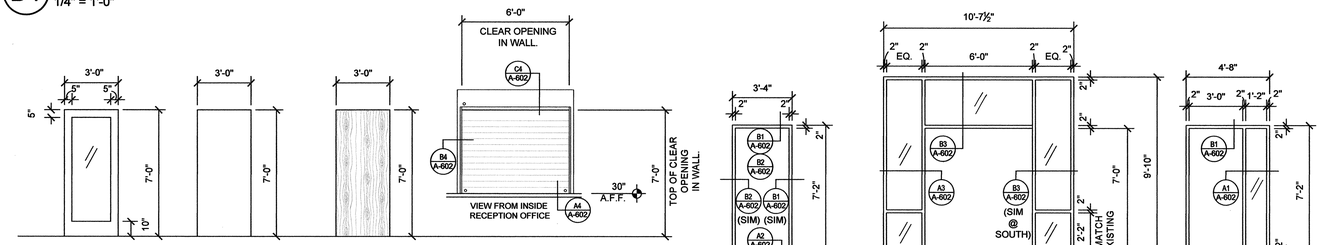
10

- REMOVE EXISTING ALUMINUM STOREFRONT SYSTEM IN ENTIRITY.

11

- ALUMINUM STOREFRONT @ WALL.
- EXISTING TO REMAIN.

D1 EXISTING AND MODIFIED FRAME TYPES
1/4" = 1'-0"



- ALUMINUM STOREFRONT.
- TEMPERED/ INSULATED GLAZING.
- AT EXTERIOR CONDITION PROVIDE LOW E GLAZING.

J

- INSULATED HOLLOW METAL DOOR.
- PRIME AND PAINT.

K

- SOLID CORE WOOD DOOR.
- HARDWOOD VENEER, MATCH EXISTING.

L

- METAL CURTAIN ROLLING COUNTER DOOR.
- OVERHEAD DOOR CO. OR EQUAL.
- INSIDE FACE OF WALL MOUNTED, ROLLED STEEL GUIDES.
- PUSH UP AND CRANK OPERATION.
- 22 GA. STEEL SLATS, POWDER COAT FINISH, STANDARD COLOR, PROVIDE POWDER COATED GUIDE RAILS.
- PROVIDE HOOD.
- PRIME AND PAINT.
- CYLINDER LOCKS.

M

- HOLLOW METAL FRAME.

12

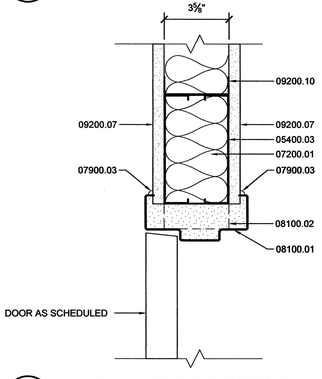
- ALUMINUM STOREFRONT.
- PROVIDE INSULATED/ TEMPERED GLAZING.

13

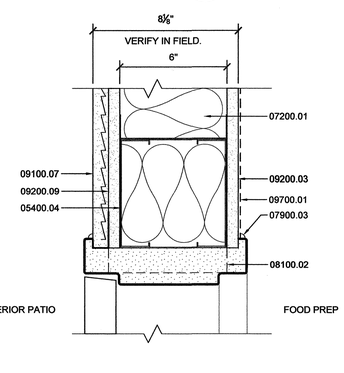
- HOLLOW METAL FRAME.
- INSULATED / TEMPERED GLAZING.

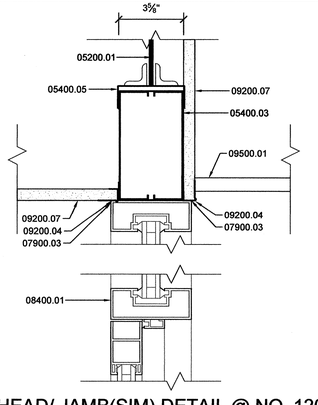
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C1 NEW DOOR TYPES
1/4" = 1'-0"

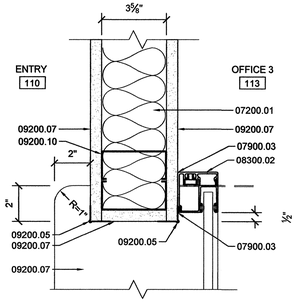


C2 NEW DOOR FRAME TYPES
1/4" = 1'-0"





C4 HEAD DETAIL @ NO. 113B
3" = 1'-0"

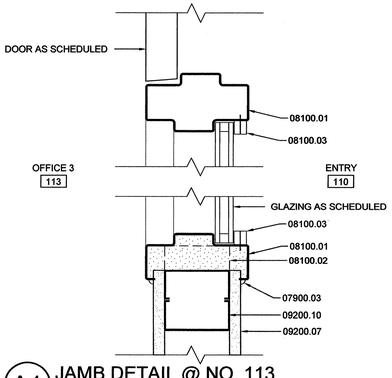


B1 HEAD/ JAMB (SIM) DETAIL
3" = 1'-0"

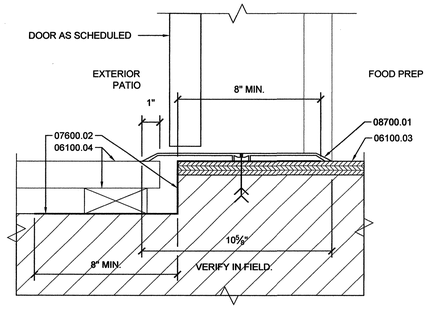
B2 HEAD/ JAMB (SIM) DETAIL @ NO. 205
3" = 1'-0"

B3 HEAD/ JAMB(SIM) DETAIL @ NO. 120
3" = 1'-0"

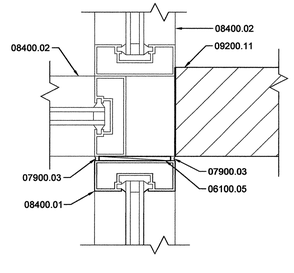
B4 JAMB DETAIL @ NO. 113B
3" = 1'-0"



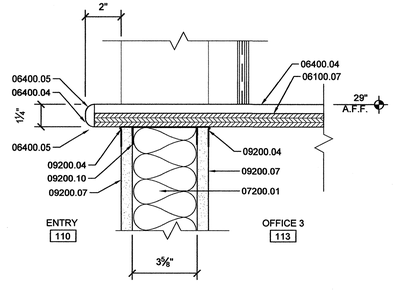
A1 JAMB DETAIL @ NO. 113
3" = 1'-0"



A2 SILL DETAIL @ NO. 205
3" = 1'-0"



A3 JAMB(NORTH) DETAIL @ NO. 120
3" = 1'-0"



A4 SILL DETAIL @ NO. 113B
3" = 1'-0"

KEYED NOTES

05200.01	EXISTING OPEN WEB STEEL JOISTS ALIGNED NORTH/ SOUTH.
05400.03	(2) C6X18 GA. BOXED-OUT HEADER.
05400.04	EXISTING HEADER TO REMAIN.
05400.05	LONG LEG/ SLIP TRACK. FASTEN TO BOTTOM OF EXISTING STRUCTURAL STEEL JOIST.
06100.03	EXISTING PLYWOOD DECKING. PATCH/ REPAIR @ THRESHOLD OF EXISTING DOOR OPENING.
06100.04	EXISTING PATIO DECKING, TO REMAIN.
06100.05	HARD WOOD SHIM, AS NECESSARY.
06100.06	5/8" FIRE RETARDANT TREATED PLYWOOD.
06100.07	3/4" AC PLYWOOD.
06400.04	1/2" SOLID SURFACE COUNTERTOP MATERIAL. FULLY ADHER TO 3/4" PLYWOOD SUBSTRATE.
06400.05	1/2"Ø BULLNOSE EDGE AT TOP AND BOTTOM CORNERS OF 1/2" THICK SOLID SURFACE NOSING.
07200.01	SOUND BATT INSULATION.
07600.02	NEW ALUMINUM BREAK METAL OVER NEW BITUTHENE WATERPROOFING MEMBRANE. EXTEND MEMBRANE UNDER THRESHOLD, DOWN EXTERIOR WALL AND OUT ACROSS THE DECK 8".
07900.03	SEALANT, TYPICAL.
08100.01	HOLLOW METAL FRAME. GROUT SOLID. PRIME AND PAINT.
08100.02	ANCHOR / GROUT FRAME SOLID.
08100.03	GLAZING STOP.
08300.02	ROLL UP DOOR TRACK.
08400.01	ALUMINUM STOREFRONT SYSTEM. (4 1/2" X 2" FRAME SYSTEM). WHITE FINISH.
08400.02	EXISTING ALUMINUM STOREFRONT SYSTEM, TO REMAIN.
08700.01	PROVIDE THRESHOLD, OVERLAP EXISTING DECK 1" MIN. SET THRESHOLD IN FULL BED OF SEALANT.
09100.07	EXISTING STUCCO SYSTEM TO REMAIN. PATCH/ REPAIR AS NECESSARY AROUND NEW DOOR FRAME.
09200.03	EXISTING 5/8" GYP. BOARD TO REMAIN.
09200.04	'L' METAL, USG NO. 200 B. MUD, TAPE, BED, AND SAND.
09200.05	(USG) CORNER BEAD. TYPICAL AT ALL OUTSIDE GYP. BD. CORNERS.
09200.07	5/8" GYP. BOARD.
09200.09	EXISTING SHEATHING TO REMAIN.
09200.10	3 5/8" X 25 GA. METAL STUDS @ 16" O.C.
09200.11	EXISTING WALL FRAMING SYSTEM, TO REMAIN.
09500.01	EXISTING 2' X 2' SUSPENDED CEILING GRID SYSTEM, TO REMAIN. SEE FINISH SCHEDULE.
09700.01	EXISTING FRP TO REMAIN.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
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MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK

SURVEY INFORMATION
FIELD NOTES
NO. DATE BY

STATE OF NEW MEXICO
LEE G. GAMELSKY
No. 1931
REGISTERED ARCHITECT
7-8-11

REVISIONS/REMARKS
NO. DATE BY

DESIGNED BY: LGA DATE:
DRAWN BY: SRT DATE:
CHECKED BY: LG DATE:

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lee@lganm.com

PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

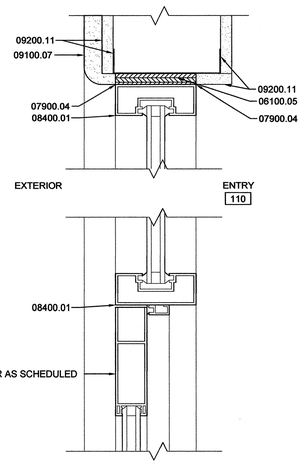
TITLE: DOOR AND FRAME TYPES / DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR	MO. / DAY / YR
				07/08/11

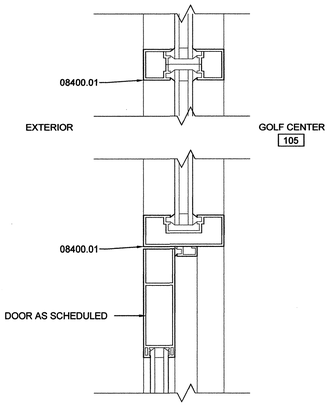
City Project No.	Zone Map No.	Sheet: 13 Of 31
P7997.03	B-17-Z	A-602

KEYED NOTES

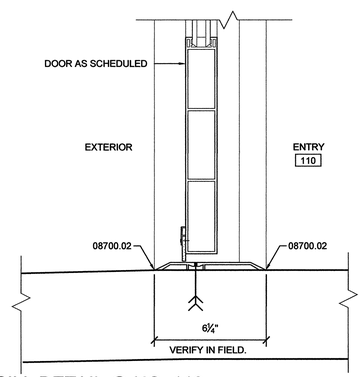
06100.05	HARD WOOD SHIM, AS NECESSARY.
07900.04	CONTINUOUS BEAD ON SEALANT.
08400.01	ALUMINUM STOREFRONT SYSTEM. (4 1/2" X 2" FRAME SYSTEM). WHITE FINISH.
08700.02	SET THRESHOLD IN FULL BED OF SEALANT.
09100.07	EXISTING STUCCO SYSTEM TO REMAIN. PATCH/ REPAIR AS NECESSARY AROUND NEW DOOR FRAME.
09200.11	EXISTING WALL FRAMING SYSTEM, TO REMAIN.
09600.02	EXISTING ENGINEERED HARD WOOD FLOORING SYSTEM. BEVEL WOOD TO FLUSH WITH THRESHOLD.



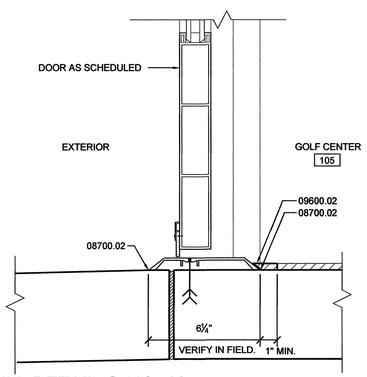
B1 HEAD DETAIL @ NO. 110
3" = 1'-0"



B2 HEAD/ JAMB (SIM) DETAIL @ NO. 105 / 110
3" = 1'-0"



A1 SILL DETAIL @ NO. 110
3" = 1'-0"



A2 SILL DETAIL @ NO. 105
3" = 1'-0"

AS BUILT INFORMATION
CONTRACTOR DATE:
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MICRO-FILM INFORMATION
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BENCH MARK

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

STATE OF NEW MEXICO
LEE D. GAMELSKY
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7-8-11
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DESIGNED BY: LGA DATE:
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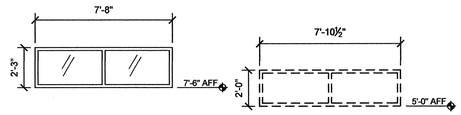
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PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

TITLE: DOOR DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
				07/08/11

City Project No. P7997.03
Zone Map No. B-17-Z
Sheet: 14 Of 31
A-603

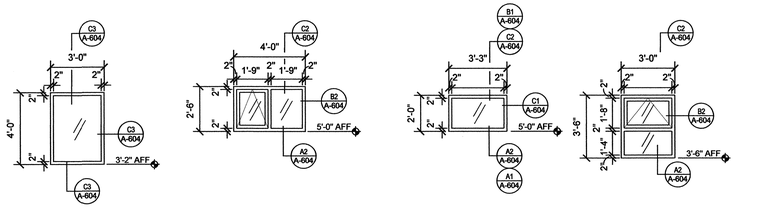


XA

- FIXED WINDOW
- ALUMINUM STOREFRONT.
- OBSCURE GLAZING.

XB

- FIXED WINDOW
- ALUMINUM STOREFRONT.



C

- FIXED WINDOW.
- ALUMINUM STOREFRONT SYSTEM.
- TEMPERED GLASS, SINGLE LITE.

D

- COMBINATION FIXED UNIT AND AWNING.
- INSULATED GLASS, LOW E.
- ALUMINUM STOREFRONT SYSTEM.

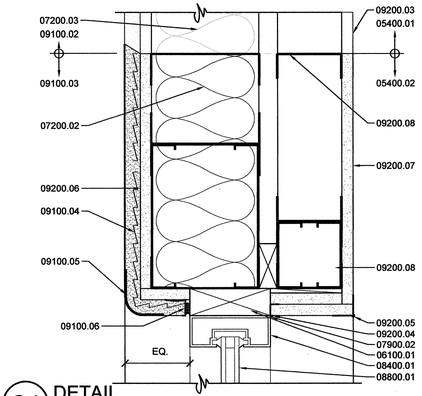
F

- FIXED WINDOW.
- INSULATED GLASS, LOW E.
- ALUMINUM STOREFRONT SYSTEM.

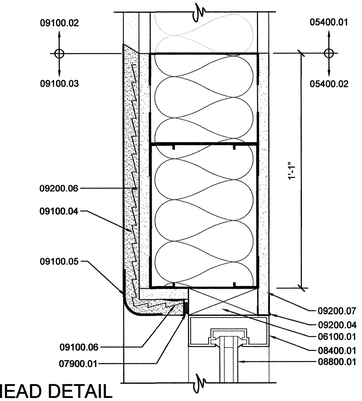
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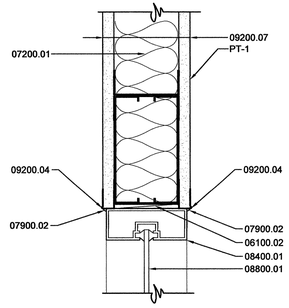
- COMBINATION FIXED UNIT AND AWNING.
- INSULATED GLASS, LOW E.
- ALUMINUM STOREFRONT SYSTEM.

D1 EXISTING WINDOW TYPES
1/4" = 1'-0"

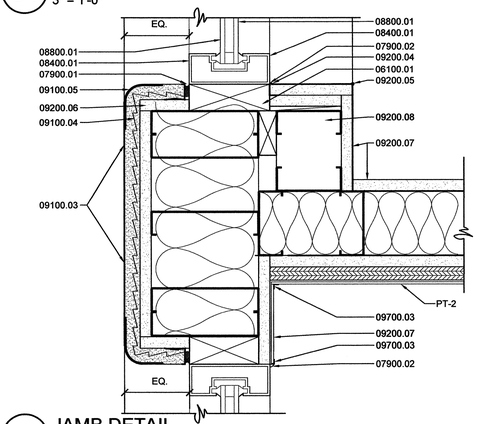


D2 NEW WINDOW TYPES
1/4" = 1'-0"

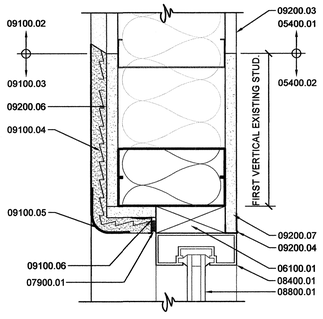




C1 DETAIL
3" = 1'-0"

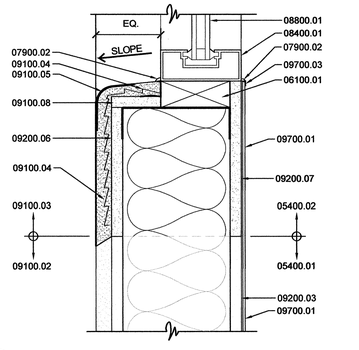


C2 HEAD DETAIL
3" = 1'-0"

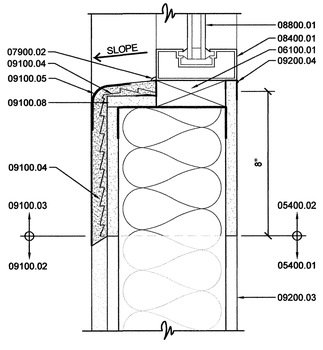


C3 HEAD JAMB & SILL DETAIL
3" = 1'-0"

B1 JAMB DETAIL
3" = 1'-0"



B2 JAMB DETAIL
3" = 1'-0"



A1 SILL DETAIL
3" = 1'-0"

A2 SILL DETAIL
3" = 1'-0"

GENERAL NOTES

A. PROVIDE WINDOW SCREENS AND LOCKS AT ALL OPERABLE WINDOWS.
B. AT SILL LOCATIONS SET THRESHOLDS, AND FRAMES IN A CONTINUOUS BED OF SILICONE OR POLYURETHANE SEALANT.
C. ALUMINUM STOREFRONT SYSTEM UTILIZES A 4 1/2" DEEP OUTSIDE TO OUTSIDE FRAME, WITH 2" WIDE MULLIONS.
D. GENERAL CONTRACTOR TO FIELD VERIFY ALL OPENINGS, ROUGH OPENINGS, AND WINDOW SIZES PRIOR TO ORDERING WINDOWS AND FRAMING OPENINGS. FIELD VERIFY WINDOW SCHEDULE. FIELD VERIFY EXISTING FRAMING CONDITIONS IN WALL BEHIND GYP. BOARD BEFORE ORDERING WINDOWS.
E. AT SEALANT LOCATIONS: PROVIDE 1/4" - 3/8" GAP BETWEEN SURFACES TO WHICH SEALANT IS TO BE INSTALLED. PROVIDE BACKER RODS.
F. PROVIDE INSULATED GLASS AT ALL EXTERIOR LOCATIONS, SEE WINDOW TYPE FOR SPECIFIC CONDITIONS.
G. PROVIDE TEMPERED / SAFETY GLASS AT HAZARDOUS LOCATIONS, PER CODE REQUIREMENTS, AND AS INDICATED.
H. PROVIDE LOW-E GLAZING AS INDICATED.
I. PROVIDE SHOP DRAWINGS TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO ORDERING WINDOWS. PROVIDE SHOP DRAWINGS OF ALUMINUM BREAK METAL ALONG WITH THE WINDOWS.
J. SEE PARTITION FRAMING SCHEDULE (PT-TYPES) FOR WALL FRAMING CONDITIONS AND WIDTH.

KEYED NOTES

05400.01	EXISTING STRUCTURAL STEEL STUD FRAMING TO REMAIN.
05400.02	6" X 18 GA. STEEL STUD FRAMING AT NEW WINDOW / DOOR LOCATIONS. BUILD UP LINTELS, JAMBS, AND SILLS. MATCH EXISTING FRAMING.
06100.01	2X FIRE RETARDANT BLOCKING.
06100.02	FIRE RETARDANT WOOD SHIM.
07200.01	SOUND BATT INSULATION.
07200.02	R-25 BATT INSULATION.
07200.03	EXISTING BATT INSULATION TO REMAIN.
07900.01	BACKER ROD AND SEALANT. TYPICAL.
07900.02	SEALANT.
08400.01	ALUMINUM STOREFRONT SYSTEM. (4 1/2" X 2" FRAME SYSTEM). WHITE FINISH.
08800.01	GLAZING AS SCHEDULED.
09100.02	EXISTING STUCCO SYSTEM TO REMAIN.
09100.03	NEW 3 COAT STUCCO SYSTEM OVER TYVEK OVER EXTERIOR GYP. SHEATHING, OVER FRAMING. PATCH / FLUSH OUT WITH EXISTING STUCCO SYSTEM.
09100.04	3.4# SELF-FURRING EXPANDED METAL LATH. TYPICAL AT ALL NEW STUCCO LOCATIONS.
09100.05	RADIUS BULLNOSE STUCCO CORNER REINFORCING. TYPICAL. MATCH EXISTING.
09100.06	STUCCO STOP.
09100.08	EXTRA LAYER OF TYVEK AT SILL CONDITIONS, TYPICAL. EXTEND DOWN BEHIND NEW STUCCO AND UP UNDER WINDOW UNIT.
09200.03	EXISTING 5/8" GYP. BOARD TO REMAIN.
09200.04	'L' METAL, USG NO. 200 B. MUD, TAPE, BED, AND SAND.
09200.05	(USG) CORNER BEAD. TYPICAL AT ALL OUTSIDE GYP. BD. CORNERS.
09200.06	5/8" EXTERIOR GYP. SHEATHING.
09200.07	5/8" GYP. BOARD.
09200.08	3 5/8 X 25 GA. METAL STUDS AT FURR-OUT. MATCH EXISTING.

AS BUILT INFORMATION
BENCH MARK
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

STATE OF NEW MEXICO
LEE D. GAMELSKY
No. 1931
REGISTERED ARCHITECT

REVISIONS/REMARKS
NO. DATE BY

DESIGNED BY: LGA DATE:
DRAWN BY: JW DATE:
CHECKED BY: LG DATE:

LEE GAMELSKY ARCHITECTS P.C.
2412 MILES ROAD SE
ALBUQUERQUE, NM 87106
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lee@lganm.com

PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

TITLE: NEW AND EXISTING WINDOW TYPES / DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
				07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 15 Of 31 A-604

ROOM FINISH SCHEDULE

ROOM NO.	FLOOR		BASE	WALLS								CEILING	NOTES
				NORTH		SOUTH		EAST		WEST			
				MATL	FINISH	MATL	FINISH	MATL	FINISH	MATL	FINISH	MATL/FINISH	
101	CONC	XF-4	XB-2	GYP	--	GYP	--	GYP	--	GYP	--	--	NO WORK THIS ROOM.
102	CONC	XF-7	XB-2	GYP	--	GYP	--	GYP	--	GYP	--	--	NO WORK THIS ROOM.
103	CONC	XF-7	XB-2	GYP	--	GYP	--	GYP	--	GYP	--	--	NO WORK THIS ROOM.
104	CONC	XF-5	B-3	GYP	W-1	GYP	XW-1	GYP	XW-1	GYP	XW-1/W-1	XC-2/C-2	SEE SHEET A-171 FOR AREAS OF CEILING TO REMAIN OR BE REMOVED AND REPLACED WITH NEW.
105	CONC	XF-5	XB-3 / XB-5 / B-3	AL	--	GYP	W-1	AL/GYP	--	AL/GYP	--	XC-2/C-2	RELOCATE WOOD BASE ALONG SOUTH WALL.
105A	CONC	XF-5	XB-3/B-3	GYP	W-1	GYP	XW-1	GYP	W-1	GYP	XW-1	XC-2	
106	CONC	XF-1	XB-3/B-3	AL	--	GYP	--	AL	--	AL	--	--	
107	CONC	XF-6	XB-1	CT	--	CT	--	CT	--	CT	--	--	
108	CONC	XF-6	XB-1	CT	--	CT	--	CT	--	CT	--	--	
110	CONC	F-1	B-3	GYP	XW-1	GYP	W-1	AL	--	GYP	--	C-1	B-3 ALONG SOUTH WALL AND PORTION OF NORTH WALL.
111	CONC	XF-2	XB-1	GYP	--	GYP	--	GYP	--	GYP	--	XC-7	NO WORK THIS ROOM.
112	CONC	XF-2	XB-1	GYP	--	GYP	--	GYP	--	GYP	--	XC-7	NO WORK THIS ROOM.
113	CONC	F-2	B-2	GYP	W-1	GYP	W-1	GYP	W-1	GYP	XW-1	C-2	
114	CONC	F-2	B-2	GYP	W-1	GYP	XW-1/W-1	GYP	XW-1/XW-4/ W-1	GYP	XW-4/W-1	C-2	
115	CONC	F-2	B-2	GYP	W-1	GYP	XW-1	GYP	W-1	GYP	XW-1/W-1	C-2	
116	CONC	XF-3	--	GYP	XW-2	GYP	XW-2	GYP	XW-2	GYP	XW-2	XC-3	AT NEW WALL ADJOINING ROOM 114, INSTALL FRP ON KITCHEN SIDE OF WALL.
117	CONC	--	--	GYP	XW-2	GYP	XW-2	GYP	XW-2	GYP	XW-2	XC-3	
118	CONC	--	--	GYP	XW-2	GYP	XW-2	GYP	XW-2	GYP	XW-2	XC-3	NO WORK THIS ROOM.
119	CONC	XF-2	--	GYP	--	GYP	--	GYP	--	GYP	--	--	NO WORK THIS ROOM.
120	CONC	XF-4	XB-3	GYP	XW-1	GYP	XW-1	GYP	XW-1	GYP	XW-1/W-1	C-3/XC-1	REMOVE EXISTING WOOD WAINSCOT PANELS AT EXISTING WOOD BASE RETAIN AND RELOCATE EXISTING WOOD BASE BACK ALONG WALL OR RELOCATE TO NEW WALLS, SEE SHEET A-101. PRIME AND PAINT ALL EXPOSED COLUMNS.
121	CONC	--	XB-1 / XB-2	GYP	--	GYP	--	GYP	--	GYP	--	XC-5	
201	CD	F-2	XB-2/B-2	GYP	--	GYP	XW-1	GYP	--	GYP	--	XC-1	
202	CD	XF-7	XB-4	GYP	XW-2	GYP	XW-2	GYP	XW-2	GYP	XW-2	XC-3	
203	CD	XF-7	XB-4	GYP	XW-2	GYP	XW-2	GYP	XW-2	GYP	XW-2	XC-3	
204	CD	F-3	B-2	GYP	XW-4	GYP	XW-4	GYP	XW-4	GYP	XW-4	C-3	EXISTING 2X4 SUSPENDED CEILING GRID TRACK SYSTEM TO REMAIN. INSTALL NEW CEILING PANELS.
205	CD	XF-3	XB-2	GYP	XW-2	GYP	XW-2	GYP	XW-2	GYP	W-2	XC-3	SEE NEW / EXISTING DEMOLITION PLANS AND RCP'S FOR NOTES PERTAINING TO THE REMOVAL OF EXISTING WINDOWS / MECH. UNITS AND INFILL FRAMING / PATCHING OF THE SOUTH WALL.
206	CD	F-3	B-2	GYP	XW-4	GYP	W-1	GYP	W-1	GYP	XW-4	C-3	SEE NEW / EXISTING DEMOLITION PLANS AND RCP'S FOR NOTES PERTAINING TO THE REMOVAL OF EXISTING WINDOWS / MECH. UNITS AND INFILL FRAMING / PATCHING OF THE SOUTH WALL.
207	CD	F-3	B-2	GYP	W-1	GYP	XW-4/W-1	GYP	W-1	GYP	XW-4	C-3	SEE NEW / EXISTING DEMOLITION PLANS AND RCP'S FOR NOTES PERTAINING TO THE REMOVAL OF EXISTING WINDOWS / MECH. UNITS AND INFILL FRAMING / PATCHING OF THE SOUTH WALL.

MATERIAL KEY

GYP	GYP BOARD / CEMENTITIOUS BOARD
CON	CONCRETE
CT	CERAMIC TILE
VCT	VINYL COMPOSITE TILE
CPT	CARPET
CMU	CONCRETE MASONRY UNIT
CD	EXISTING CEMENTITIOUS/ EPOXY COATING OVER WOOD SUBFLOOR OVER METAL DECK.
AL	ALUMINUM STOREFRONT

FINISH KEY

BASE	
XB-2X	EXISTING RUBBER BASE TO BE REMOVED.
XB-1	NO BASE.
XB-2	EXISTING 4" H RUBBER BASE. TO REMAIN.
XB-3	EXISTING 3 ½ " H WOOD BASE. TO REMAIN.
XB-4	EXISTING VINYL COMPOSITE FLOORING EXTENDING UP THE WALL 4"
XB-5	EXISTING WOOD TRIM ALONG BASE OF ALUMINUM STOREFRONT
B-2	NEW 4" H RUBBER BASE.
B-3	NEW 3 ½" H WOOD BASE, MATCH EXISTING. FINISH TO MATCH EXISTING.
FLOOR	
XF-1X	EXISTING CONCRETE FLOOR TO REMAIN.
XF-3X	EXISTING EPOXY COATING OVER CONCRETE TO REMAIN. CLEAN.
XF-4X	EXISTING CARPET TO BE REMOVED. REMOVE EXISTING MASTIC, CLEAN SLAB.
XF-1	EXISTING STAINED CONCRETE FLOOR. STRIP OFF EXISTING SEALER AND APPLY NEW WESTCOAT SINGLE COAT POLYURETHANE SEALER, PRODUCT NO. SC75.
XF-2	EXISTING EXPOSED CONCRETE. CLEAN.
XF-3	EXISTING EPOXY TOPPING. APPLY NEW EPOXY FINISH AT AREAS OF DEMOLITION WORK AS NOTED.
XF-4	EXISTING CARPET TO REMAIN.
XF-5	EXISTING FLOATING COMPOSITE WOOD FLOOR OVER CONCRETE. TO REMAIN. REPLACE ANY DAMAGED AREAS AS NOTED.
XF-6	EXISTING 12 X 12 CERAMIC TILE TO REMAIN.
XF-7	EXISTING VINYL COMPOSITE FLOORING TO REMAIN, REPAIR AND REFINISH DAMAGED AREAS AS NOTED.
F-1	CLEAN AND ACID STAIN EXISTING CONCRETE FLOOR TO MATCH XF-1. APPLY WESTCOAT SINGLE COAT POLYURETHANE, PRODUCT NO. SC75.
F-2	NEW CARPET TILES OVER EXISTING CONCRETE.
F-3	NEW CARPET TILES OVER EXISTING CEMENTITIOUS/ EPOXY COATING OVER WOOD SUBFLOOR OVER METAL DECK.
WALLS	
XW-1	EXISTING PAINTED GYP. BD. TO REMAIN. REMOVE ANY NAILS, SCREWS, ETC. PATCH ALL HOLES - MUD, TAPE, BED, SAND, PRIME AND PAINT. LEVEL 5 GYP. BD. FINISH.
XW-2	EXISTING FIBERGLASS REINFORCED PANEL (FRP) SYSTEM. WHITE. TO REMAIN.
XW-3	EXISTING CERAMIC TILE WALL TO REMAIN.
XW-4	REMOVE EXISTING FIBERGLASS REINFORCED PANEL (FRP) SYSTEM. EXISTING GYP. BD. TO REMAIN. REMOVE ANY NAILS, SCREWS, ETC. REMOVE ADHESIVE. PATCH ALL HOLES - MUD, TAPE, BED, SAND, PRIME AND PAINT. LEVEL 5 GYP. BD. FINISH.
W-1	NEW GYP. BD. FINISH: MUD, TAPE, BED, SAND SMOOTH, LEVEL 5 GYP. BD. FINISH. PRIME AND PAINT SEMI GLOSS.
W-2	NEW FIBERGLASS REINFORCED PANEL (FRP) SYSTEM. WHITE. INSTALL FROM FLOOR/ TOP OF CERAMIC TILE TO CEILING (OR OTHERWISE NOTED). WHEN INSTALLED OVER GYP. BD.: MUD, TAPE, BED, SAND SMOOTH FOR A LEVEL 1 GYP. BD. FINISH BEHIND FRP. INSTALL ALL FRP TRIM AND ACCESSORIES FOR A COMPLETE SYSTEM.
CEILINGS	
XC-1	EXISTING SUSPENDED GYPSUM BOARD CEILING TO REMAIN. PATCH ANY HOLES/PENETRATIONS. CO-ORDINATE WITH NEW MECHANICAL, PLUMBING, ELECTRICAL WORK. MUD, TAPE, BED, PRIME, AND PAINT, SEMI-GLOSS.
XC-2	EXISTING 2 X 4 SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN, FISSURED PANELS, SQUARE EDGE. REPLACE DAMAGED CEILING PANELS WITH NEW PANELS TO MATCH EXISTING.
XC-3	EXISTING 2 X 4 SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN, SMOOTH VINYL FACED PANEL TYPE. REPLACE DAMAGED CEILING PANELS WITH NEW PANELS. COORDINATE PANEL RELOCATION / MODIFICATION WITH NEW MECHANICAL, ELECTRICAL AND PLUMBING WORK. MATCH EXISTING STYLE / TEXTURE / DESIGN.
XC-4	EXISTING SUSPENDED CEILING GRID SYSTEM TO REMAIN. CLEAN, PREP FOR PAINTING.
XC-5	EXISTING SUSPENDED CEILING GRID SYSTEM TO REMAIN. CLEAN.
XC-6	REMOVE SUSPENDED CEILING GRID SYSTEM THIS AREA.
XC-7	NO CEILING SYSTEM THIS AREA.
XC-8	EXISTING SUSPENDED CEILING PANEL SYSTEM. THE GRID SYSTEM TO REMAIN. REPLACE THE CEILING PANEL SYSTEM W/ USG GLACIER PANELS.
XC-9	EXISTING 2X4 SUSPENDED ACOUSTICAL PANEL SYSTEM. SMOOTH VINYL FACED PANELS, TO REMAIN.
C-1	NEW SUSPENDED GYPSUM BOARD CEILING SYSTEM. ⅝" GYPSUM BOARD SCREWED TO GRID SUSPENSION SYSTEM. MUD, TAPE, BED, SAND SMOOTH, PRIME, PAINT SEMI-GLOSS. PROVIDE LEVEL 5 GYPSUM BOARD FINISH. CO-ORDINATE WITH NEW MECHANICAL, PLUMBING, ELECTRICAL WORK.
C-2	NEW 2'x4'x⅝" SUSPENDED ACOUSTICAL PANEL SYSTEM. FISSURED PANELS, SQUARE EDGE. TO MATCH EXISTING.
C-3	EXISTING SUSPENDED CEILING GRID SYSTEM (XC-4) TO REMAIN. REPLACE/ REPAIR GRID SYSTEM AS NOTED ON SHEET AD-171. CLEAN, PRIME AND PAINT: WHITE ENAMEL. INSTALL NEW 2'X2'X ¾" CEILING PANELS IN GRID SYSTEM AFTER IT IS COMPLETELY DRY. USG GLACIER PANELS. INSTALL NEW WALL ANGLE AT PERIMETER OF SPACE WHERE CORNICE TRIM WAS REMOVED. MUD, PATCH, SAND, PRIME AND PAINT WALLS WHERE CORNICE REMOVED.
C-4	NEW 2X4 SUSPENDED ACOUSTICAL PANEL SYSTEM. USG GLACIER. WHITE GRID.
C-5	NEW 2X4 SUSPENDED ACOUSTICAL PANEL SYSTEM. SMOOTH VINYL FACED PANELS. MATCH EXISTING. EXTEND EXISTING GRID SYSTEM INTO THIS AREA.

GENERAL NOTES

A. GENERAL CONTRACTOR TO COORDINATE ALL TRADES AND COORDINATION OF ALL WORK INCLUDING, BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL AND KITCHEN EQUIPMENT
B. GENERAL CONTRACTOR/ SUBCONTRACTOR SHALL INSPECT THE PREMISES AND TAKE FIELD MEASUREMENTS, AND VERIFY FIELD CONDITIONS PRIOR TO COMMENCING WORK.
C. PROVIDE LEVEL 5 GYP. BD. FINISH AT ALL GYP. BD. WALLS.
D. ONE CARPET TILE MANUFACTURER / COLOR / PATTERN SHALL BE SELECTED FOR THE ENTIRE PROJECT. SEE SPECIFICATIONS.
E. A MAXIMUM OF 3 DIFFERENT INTERIOR PAINT COLORS SHALL BE SELECTED.
F. A MAXIMUM OF 2 RUBBER BASE COLORS SHALL BE SELECTED.
G. COLORS SHALL BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
H. AT EXISTING CERAMIC TILE AREAS TO REMAIN: CLEAN TILE, FILL IN ANY MISSING GROUT, MATCH EXISTING COLOR.
I. AT AREAS WHERE CARPET TO REMAIN: SHAMPOO AND STEAM CLEAN CARPETS.
J. AT ALL EXISTING GYP. BOARD WALLS TO REMAIN, REMOVE ANY NAILS, SCREWS, ETC. PATCH ALL HOLES - MUD, TAPE, BED, SAND, PRIME AND PAINT. LEVEL 5 GYP. BD. FINISH. PRIME AND PAINT TO MATCH EXISTING ADJACENT FINISH.
K. WHERE NEW CARPET IS TO BE INSTALLED OVER EXISTING EPOXY COATED FLOORS: SCRAPE EXISTING FLOOR CLEAN AND REMOVE DEBRIS. USE LEVELING COMPOUND FOR INSTALLATION OF NEW CARPET MATERIAL.

AS BUILT INFORMATION
BENCH MARK
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

STATE OF NEW MEXICO
LEE D. GAMELSKY
No. 1931
REGISTERED ARCHITECT

REVISIONS/REMARKS
NO. DATE BY

DESIGNED BY: LGA DATE:
DRAWN BY: SRT DATE:
CHECKED BY: LG DATE:

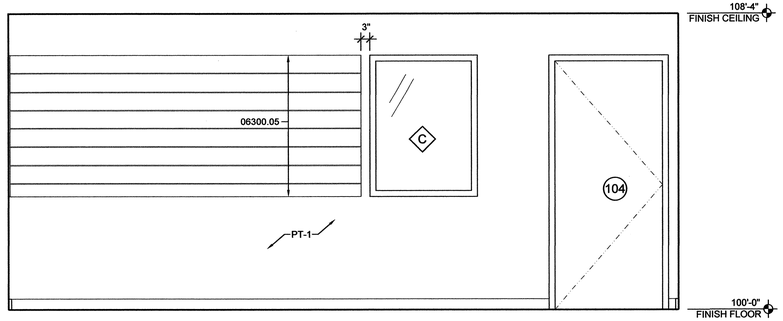
LEE GAMELSKY ARCHITECTS P.C.
2412 MILES ROAD SE
ALBUQUERQUE, NM 87106
505.842.8865 FAX 842.1693
lee@lgarm.com

PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

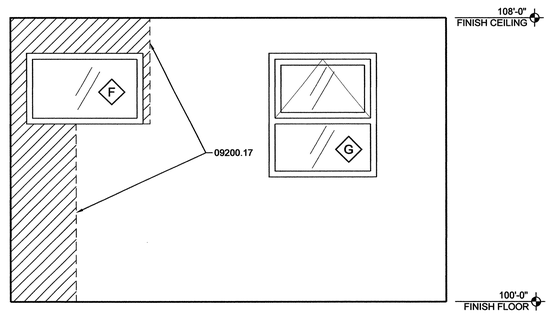
TITLE: ROOM FINISH SCHEDULE

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
				07/08/11

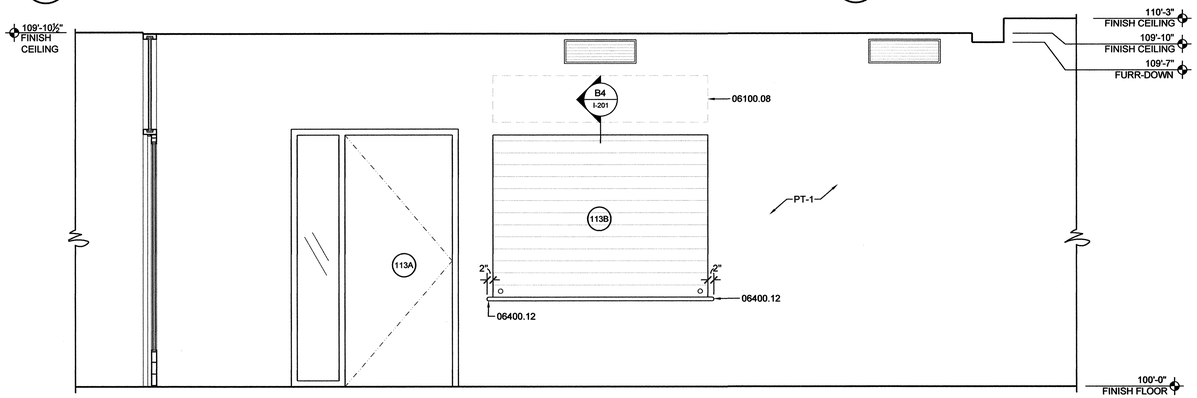
City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 16 Of 31 | A-610



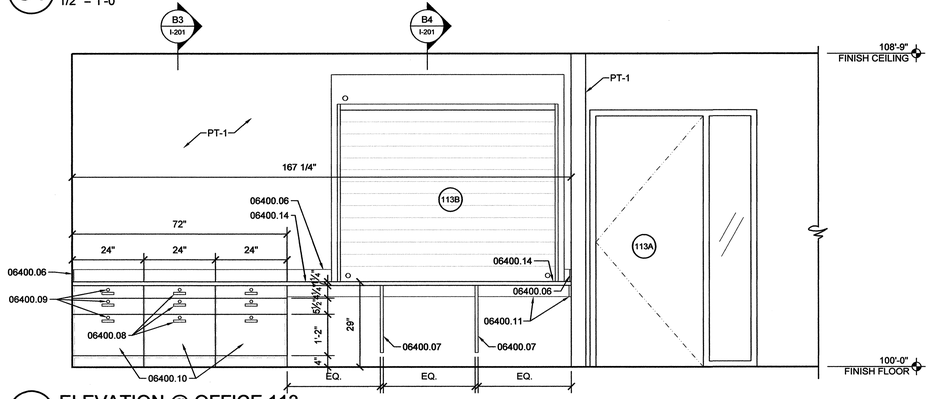
D1 ELEVATION @ GOLF CENTER 105
1/2" = 1'-0"



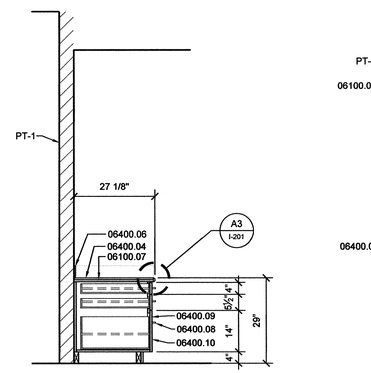
D2 ELEVATION @ OFFICE 206
1/2" = 1'-0"



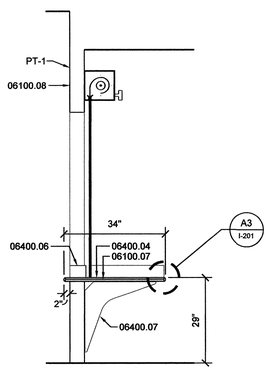
C1 ELEVATION @ ENTRY 110
1/2" = 1'-0"



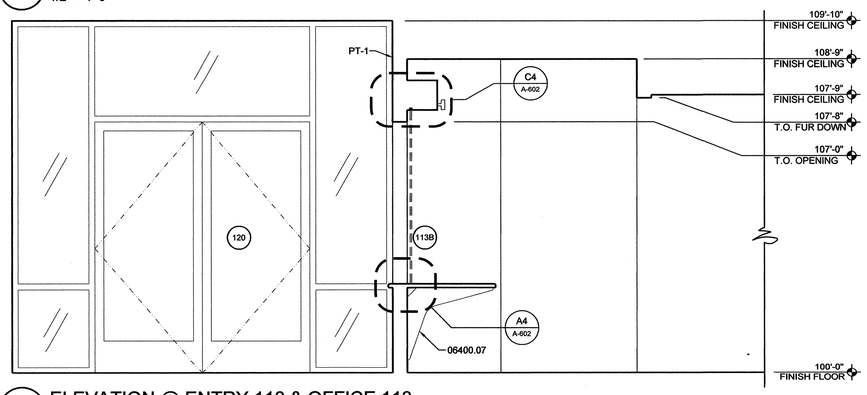
B1 ELEVATION @ OFFICE 113
1/2" = 1'-0"



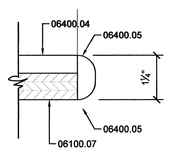
B3 SECTION @ MILLWORK
1/2" = 1'-0"



B4 SECTION @ MILLWORK
1/2" = 1'-0"



A1 ELEVATION @ ENTRY 110 & OFFICE 113
1/2" = 1'-0"



A3 MILLWORK DETAIL
6" = 1'-0"

GENERAL NOTES

A. SEE FLOOR PLANS AND MECHANICAL PLANS FOR LOCATIONS OF SUPPLY / RETURN GRILLES.
B. SEE SHEET A-170 SERIES FOR CEILING FINISH SCHEDULES.
C. SEE SHEET A-610 FOR FINISH SCHEDULES.
D. GENERAL CONTRACTOR/ SUBCONTRACTOR SHALL INSPECT THE PREMISES AND TAKE FIELD MEASUREMENTS, AND VERIFY FIELD CONDITIONS PRIOR TO COMMENCING WORK.
E. GENERAL CONTRACTOR TO COORDINATE ALL TRADES AND COORDINATION OF ALL WORK INCLUDING, BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL AND KITCHEN EQUIPMENT
F. COLORS SHALL BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
G. MILLWORK TO BE FABRICATED PER CUSTOM GRADE REQUIREMENTS/ AWI STANDARDS.
H. GENERAL CONTRACTOR/ SUBCONTRACTOR MUST PROVIDE DETAILED SHOP DRAWINGS FOR ALL MILLWORK, FOR REVIEW AND APPROVAL BY THE ARCHITECT PRIOR TO COMMENCING WORK. DIMENSIONS AND CONNECTION DETAILS MUST BE INDICATED. PROVIDE A COMPLETE SUBMITTAL OF ALL FINISHES SPECIFIED, ON THE ACTUAL MATERIAL TO BE INSTALLED. TYPICAL SAMPLE SIZE TO BE 8"X10".
I. COORDINATE MILLWORK INSTALLATION WITH ELECTRICAL AND MECHANICAL.
J. FIELD VERIFY ALL DIMENSIONS AND LOCATIONS PRIOR TO FABRICATING MILLWORK AND ORDERING CABINETRY.
K. MOUNT ALL CABINETS, FIXTURES, ETC. AT APPROPRIATE HEIGHT TO MEET CODES: ADA, IBC, ETC. COORDINATE HEIGHTS W/ ARCHITECT.
L. PROVIDE 1" OUTSIDE RADIUS - MINIMUM AT ALL OUTSIDE CORNERS, OF ALL COUNTERTOPS - UNLESS OTHERWISE NOTED.
M. PROVIDE SEALANT (SILICONE) AT EDGES OF COUNTERTOPS/BACK AND SIDE SPLASHES AND WALLS.
N. PROVIDE SOLID WOOD BACKING/ BLOCKING IN WALLS AT ALL CABINETS, LEDGERS, SUPPORTS, SHELVES, ETC.
O. KEY ALL CABINETS ALIKE IN EACH ROOM. KEY EACH ROOM DIFFERENTLY.

KEYED NOTES

06100.07 3/4" AC PLYWOOD.
06100.08 SIGNAGE AREA. PROVIDE SOLID FIRE RETARDANT 2X BACKING IN WALL THIS AREA FOR MOUNTING CAST METAL LETTERS, STUD MOUNTED.
06300.05 ALIGN SLAT WALL W/ TOP AND BOTTOM OF WINDOW FRAME.
06400.04 1/2" SOLID SURFACE COUNTERTOP MATERIAL. FULLY ADHER TO 3/4" PLYWOOD SUBSTRATE.
06400.05 1/2"Ø BULLNOSE EDGE AT TOP AND BOTTOM CORNERS OF 1/2" THICK SOLID SURFACE NOSING.
06400.06 ½" THICK X 4" HIGH SOLID SURFACING, BACKSPLASH AND SIDE SPLASH. ADHERE TO WALL. SILICONE SEAL ALL JOINTS.
06400.07 STEEL SUPPORT BRACKET. 18" HIGH X 24" DEEP. MANUFACTURE: A&M HARDWARE. 888.647.0200 OR EQUAL. WHITE COLOR. PROVIDE FIRE RETARDANT WOOD BLOCKING IN WALL BEHIND.
06400.08 DRAWER PULL/HANDLE (9). HAFELE PRODUCT NO. 162.00.730 OR EQUAL.
06400.09 DRAWER LOCK (9). HIGH SECURITY DEADBOLT. KEY ALIKE. HAFELE PRODUCT NO. 232.14.300 OR EQUAL.
06400.10 CABINET BASE. FLUSH OVERLAY DESIGN. PLASTIC LAMINATE OVER 3/4" THICK MDB, ALL EXPOSED SURFACES. PROVIDE LOW PRESSURE LAMINATE AT CONCEALED (INTERIOR) LOCATIONS. ALL DRAWER BOTTOMS TO BE FABRICATED FROM ½" THICK PLYWOOD. DRAWER GUIDES TO BE HEAVY DUTY OVER EXTENSION. HINGES TO BE DUOMATIC, 110 DEGREES OPENING ANGLE. HAFELE MODEL NO. 329.17.507 OR EQUAL.
06400.11 1 X 4 LEDGER. SIDE AND REAR LOCATIONS. PRIME AND PAINT.
06400.12 PROVIDE 2" RADIUS AT OUTSIDE EDGE OF COUNTERTOP.
06400.14 2"Ø GROMMET THRU COUNTERTOP (2). FIELD LOCATE WITH ARCHITECT / OWNER. BLACK IN COLOR.
09200.17 REFRAME ALONG THIS WALL (FURR OUT) TO FLUSH IT OUT ACROSS FULL LENGTH OF WALL. 5/8"GYP. BOARD OVER 3 5/8" X 25 GA. METAL STUDS AT 16" O.C. FIELD VERIFY FOR EXTENT OF FURR OUT NEEDED.

AS BUILT INFORMATION
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SURVEY INFORMATION
FIELD NOTES
BY DATE
NO.

REVISIONS/REMARKS
NO. DATE BY

STATE OF NEW MEXICO
LEE D. GAMELSKY
No. 1931
REGISTERED ARCHITECT

DESIGNED BY: LGA DATE:
DRAWN BY: JPW DATE:
CHECKED BY: LG DATE:

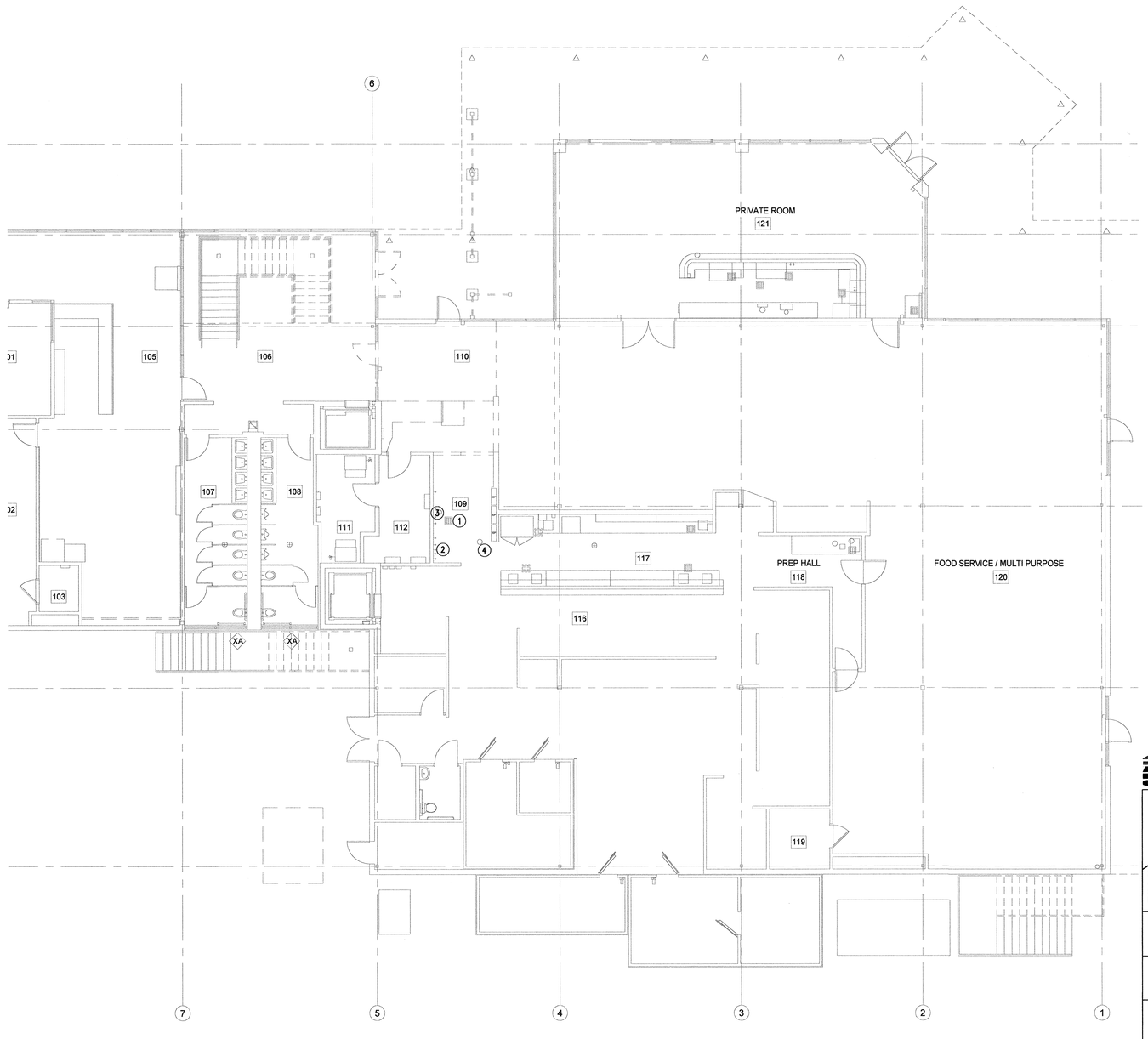
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PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

TITLE: INTERIOR ELEVATIONS

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
				07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 17 Of 31 | I-201



P1 PLUMBING PLAN—DEMOLITION FIRST FLOOR
1/8"=1'-0"

GENERAL DEMOLITION NOTES

A. REMOVE EXISTING PLUMBING FIXTURES WHERE INDICATED, COLD AND HOT WATER PIPING, CONDENSATE PIPING, SOIL AND VENT PIPING AND PLUMBING EQUIPMENT COMPLETE. SEAL ALL RESULTING SANITARY FLOOR OPENINGS TO BE WATER TIGHT WITH CONCRETE. FINISH FLOOR AS DIRECTED BY ARCHITECT.

B. THE TERM "REMOVE" MEANS "REMOVE AND FULLY DISPOSE OF" UNLESS OTHERWISE NOTED.

C. EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM SITE AND DISPOSED OF BY CONTRACTOR.

D. FLOOR SINK TRAPS AND FLOOR DRAIN TRAPS TO BE DISCONTINUED SHALL BE PLUGGED AND FILLED WITH CONCRETE. PATCH AND REPAIR FLOOR AS DIRECTED BY ARCHITECT. CARE SHALL BE TAKEN TO AVOID FILLING ANY CONCRETE IN HORIZONTAL SANITARY LINES.

E. CONTRACTOR SHALL ROD OUT EXISTING SANITARY MAIN AFTER DEMOLITION IS COMPLETED.

KEYED NOTES

1. APPROXIMATE LOCATIONS OF EXISTING PLUMBING FIXTURE TO BE REMOVED COMPLETE. REMOVE EXISTING PLUMBING FIXTURES. PIPING TO REMAIN. SEAL ALL RESULTING SANITARY FLOOR OPENINGS TO BE WATER TIGHT WITH CONCRETE. FINISH FLOOR AS DIRECTED BY ARCHITECT.
2. APPROXIMATE LOCATION OF WATER SUPPLY IN WATER TO BE CAPPED AT BRANCH TAKE OFF. WATER PIPING NOT REQUIRED TO BE REMOVED ENTIRELY. COORDINATE DISPOSAL WITH GENERAL CONTRACTOR.
3. APPROXIMATE LOCATION OF EXISTING SODA LINES. ALL EXPOSED PIPING THRU WALLS AND CEILING SPACES TO BE REMOVED ENTIRELY. EXISTING PIPING LOCATED INSIDE WALLS AND BELOW SLABS TO REMAIN AS REQUIRED, OR PLUGGED AND ABANDONED IN PLACE. COORDINATE DISPOSAL WITH GENERAL CONTRACTOR.
4. RELOCATE EXISTING CLEAN OUT TWO FEET TO THE SOUTH.

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07/08/11

PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

TITLE: PLUMBING DEMOLITION PLAN -LEVEL 1

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
				07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 18 Of 31 P-101

GENERAL NOTES

1. EQUIPMENT CAPACITIES BASED FOR OPERATION AT SITE ELEVATION.
2. DUCT DIMENSIONS SHOWN ON DRAWINGS ARE NET OUTSIDE DIMENSIONS.
3. EXACT LOCATION OF ALL GRILLES, DIFFUSERS, AND REGISTERS WILL BE COORDINATED WITH LIGHTING AND REFLECTED CEILING PLANS. WHERE INSTALLATIONS CONFLICT, FINAL LOCATION WILL BE APPROVED AND OBTAINED FROM ARCHITECT.
4. PROVIDE TURNING VANES IN ALL SQUARE (90 DEGREE) ELBOWS (EXCEPT R.A. AND EXHAUST AIR DUCTWORK).
5. FLEXIBLE ROUND DUCT BRANCHES TO SUPPLY DIFFUSERS IN LAY–IN CEILINGS WILL BE PRE–INSULATED AND WILL NOT EXCEED 5 FEET IN TOTAL LENGTH. ROUND BRANCH DUCTS AND DROPS TO CEILING MOUNTED DIFFUSERS WILL BE THE SAME NOMINAL SIZE AS THE SCHEDULED DIFFUSER NECK SIZE, UNLESS OTHERWISE NOTED ON DRAWING. USE METAL 90'S AT DIFFUSER WITH EXTERNAL INSULATION.
6. JOINTS AND SEAMS ON LOW VELOCITY SUPPLY, RETURN, AND EXHAUST DUCTS, ROUND OR RECTANGULAR, MUST BE SEALED AIR TIGHT.
7. CONTRACTOR WILL COORDINATE AIR CONDITIONING DUCTWORK, PLUMBING, AND SPRINKLER PIPING WITH OTHER TRADES, TO AVOID CONFLICTS AND MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY TO VALVES AND EQUIPMENT.
8. CONTRACTOR SHALL FURNISH ALL NECESSARY STRUCTURES, INSERTS, SLEEVES, AND HANGING DEVICES FOR INSTALLATION OF MECHANICAL AND PLUMBING EQUIPMENT, DUCTWORK AND PIPING, ETC. CONTRACTOR WILL COORDINATE INSTALLATION OF SUCH DEVICES WITH GENERAL CONTRACTOR. CONTRACTOR MUST FURTHER VERIFY WITH THE STRUCTURAL ENGINEER THAT THE DEVICES ARE ADEQUATE AS INTENDED AND DO NOT OVERLOAD THE BUILDING'S STRUCTURAL COMPONENTS IN ANY WAY.
9. PROVIDE ALL NECESSARY FITTINGS FOR RISES AND OFFSETS IN DUCTWORK AND PIPING, WHETHER OR NOT SHOWN, FOR PROPER INSTALLATION.
10. BRANCH DUCT EXTENSIONS TO AIR TERMINAL UNITS WILL BE AS SCHEDULED ON THE MECHANICAL EQUIPMENT SCHEDULE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
11. PROVIDE ACCESS PANELS OR DOORS IN INACCESSIBLE CEILINGS AND/OR CHASES FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, COILS, FAN CONTROLS, ETC. THEY WILL BE FURNISHED AS DESCRIBED IN THE SPECIFICATIONS AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS.
12. PROVIDE DUCT ACCESS DOORS TO ALL DUCT FIRE/SMOKE DAMPERS WHERE DAMPERS ARE NOT ACCESSIBLE BY ANY OTHER MEANS. SEE DETAIL.
13. CONTRACTOR WILL PROVIDE RETURN AIR OR TRANSFER AIR OPENINGS IN CEILING SPACE AT FULL HEIGHT WALLS SIZED AT 500 FPM (UNLESS OTHERWISE SPECIFICALLY SHOWN ON THE DRAWINGS) TO CREATE AND/OR MAINTAIN A RETURN AIR PATH.
14. FIRE/SMOKE DAMPERS WILL BE PROVIDED IN SUCH OPENINGS WHERE REQUIRED. SEE PLANS FOR FIRE/SMOKE DAMPER LOCATIONS.
15. COORDINATE THE LOCATIONS OF ALL DUCTWORK WITH ANY PLUMBING LINES AND ELECTRICAL CONDUIT. THE SPACE ABOVE THE CEILING IS LIMITED. IN THE EVENT THAT ANY DUCT CANNOT BE ROUTED AS SHOWN ON THE CONTRACT DRAWINGS, THE CONTRACTOR WILL MODIFY THE DUCT AS REQUIRED, MAINTAINING THE SAME NET FREE AREA AS THE DESIGNED DUCT. CONTRACTOR WILL SUBMIT SHOP DRAWINGS SHOWING THE PROPOSED CHANGES FOR APPROVAL. THIS WILL BE DONE AT NO COST TO THE OWNER.
16. CONTRACTOR TO COORDINATE INSTALLATION OF DUCTWORK, PIPING AND VALVES IN CEILING SPACES WITH OTHER TRADES TO ALLOW ADEQUATE SPACE FOR ACCESS FOR MAINTENANCE OF ALL COMPONENTS.
17. THERMOSTATS WILL BE WALL MOUNTED 4'–0" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED). PROVIDE APPROVED, CLEAR PLASTIC VENTILATED LOCKING COVERS WITH GUARDS AT ALL THERMOSTATS, UNLESS OTHERWISE DIRECTED BY OWNER.
18. ALL MECHANICAL EQUIPMENT LOCATED ON ROOF WILL BE PROVIDED WITH A BUILT–UP OR FACTORY PRE–FABRICATED CURB, FLASHED AND COUNTER–FLASHED. EQUIPMENT WILL BE MOUNTED LEVEL.
19. IN AREAS WITHOUT CEILINGS (WITH EXPOSED STRUCTURE) DUCTWORK, PIPING, DIFFUSERS AND GRILLES, AND ASSOCIATED STRUCTURES AND FITTINGS WILL BE INSTALLED IN A NEAT FASHION WITH ATTENTION TO APPEARANCE. EXCEPTION TO THIS ARE MECHANICAL, ELECTRICAL, UTILITY, AND STORAGE ROOMS.
20. IN AREAS WITHOUT CEILINGS (WITH EXPOSED STRUCTURE) ITEMS TO BE MASKED OFF FOR CEILING PAINTING INCLUDE: VALVE HANDLES, PIPING LABELS, EQUIPMENT LABELS/TAGS, MANUAL AND AUTOMATIC AIR VENTS, TEMPERATURE GAUGES, PRESSURE GAUGES, TEMPERATURE AND PRESSURE TAPS FOR GAUGES, TEMPERATURE SENSORS, SMOKE DETECTORS, FREEZE–STATS, EXPOSED MOTORS AND MOTOR ACTUATORS, AND ANY OTHER EQUIPMENT OR DEVICES THAT REQUIRE EXPOSURE TO OPERATE IN THE SPACE OR MONITOR THE ENVIRONMENT WITHIN THE SPACE. EXCEPTION TO THIS ARE MECHANICAL, ELECTRICAL, UTILITY, AND STORAGE ROOMS.
21. MECHANICAL CONTRACTOR WILL PROVIDE, (FOR A/E REVIEW), DUCTWORK FABRICATION DRAWINGS, WHICH INDICATE COORDINATION WITH ALL OTHER DISCIPLINES, I.E. ELECTRICAL, STRUCTURAL, FIRE PROTECTION, PLUMBING, ETC.). THE DRAWINGS WILL BE PROVIDED IN AN ELECTRONIC FORMAT, (I.E. CAD DRAWINGS).
22. ALL DUCT BRANCH TAKEOFF WILL BE PROVIDED WITH A SPIN–IN DAMPER FITTING.

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	NEW DUCTWORK TO BE INSTALLED	SA	SUPPLY AIR
	EXISTING DUCTWORK TO REMAIN	RA	RETURN AIR
	EXISTING DUCTWORK TO BE REMOVED	OA	OUTSIDE AIR
		A.L.	DUCT ACOUSTIC LINING
	CEILING SUPPLY AIR DIFFUSER	(E), or E	EXISTING
	CEILING RETURN AIR GRILLE	RTU–4 8,000 CFM	NEW EQUIPMENT SYMBOL DESIGNATION; CAPACITY
	EXHAUST REGISTER	ERTU–4 8,000 CFM	EXISTING ROOFTOP EQUIPMENT & CAPACITY
	CEILING SUPPLY DIFFUSER (LAY–IN CEILING)		CFM QUANTITY
	CEILING SUPPLY DIFFUSER (FIXED CEILING)	250 12"ø S	S=SUPPLY DIFFUSER; R=RETURN GRILLE; E=EXHAUST GRILLE
	SIDEWALL SUPPLY REGISTER		NECK SIZE
	SIDEWALL EXHAUST REGISTER	T	ROOM THERMOSTAT (ELECTRIC)
	VANED ELBOW OR MITERED ELBOW	7	KEYED NOTE SYMBOL DESIGNATION
	RETURN AIR OR EXHAUST DUCT THRU LOWER OR UPPER LEVEL		POINT OF CONNECTION NEW WORK TO EXISTING EQUIPMENT
	SUPPLY AIR DUCT THRU LOWER OR UPPER LEVEL		DIRECTON OF FLOW
	ROUND DUCT THRU LOWER OR UPPER LEVEL		TOP PIPE CONNECTION, 45° OR 90°
			BOTTOM PIPE CONNECTION, 45° OR 90°
6000	DROP IN DUCT IN DIRECTION OF AIR FLOW		
12"x10"	DUCT WIDTH BY DEPTH (IN INCHES)	FD	FIRE DAMPER

OUTSIDE AIR CALCULATIONS

EA pre-requisite #1 MINIMUM IAQ PERFORMANCE

Parks and Recreation: outdoor air calculations

ASHRAE 62.1-2004
CHAPTER 6
VENTILATION AIR SUPPLY -

SECTION 6 VENTILATION RATES

6.2.2.1 Breathing Zone Outdoor Flow

$V_{bz} = R_p * P_z + R_a * A_z$ — Equation 6-1

Where V_{bz} = Zone Outdoor Air Flow
A_z = Floor Area (Net Occupiable Floor Area of Zone)
P_z = Zone Population (Average)
R_p = Outdoor Airflow Rate Required Per Person (Table 4-1)
R_a = Outdoor Airflow Rate Required Per Unit Area (Table 4-1)

6.2.2.2 Zone Air Distribution Effectivness

E_z — E_z = Zone Air Distribution Effectiveness (Table 6-2)

6.2.3. Zone Outdoor Air Flow

$V_{oz} = V_{bz} / E_z$ — Equation 6-2

Where V_{oz} = Zone Outdoor Airflow
V_{bz} = Breathing Zone Outdoor Airflow

6.2.3. Single-Zone System

$V_{ot} = V_{oz}$ — Equation 6-3

Where V_{ot} = Outdoor Air Intake Flow
V_{oz} = Zone Outdoor Airflow

6.2.4. 100% Outdoor Air System

$V_{ot} = Sum_{\ all\ zones} * V_{oz}$ — Equation 6-4

Where V_{ot} = Outdoor Air Intake Flow
V_{oz} = Zone Outdoor Airflow

6.2.5. Multiple-Zone Recirculating Systems:

6.2.5.1 Primary Outdoor Fraction

$Z_p = V_{oz} / V_{pz}$ — Equation 6-5

Where Z_p = Zone Primary Outdoor Airflow Fraction
V_{oz} = Zone Outdoor Airflow
V_{pz} = Zone Primary Airflow

6.2.5.2 System Ventilation Efficiency

E_v — Where E_v = System Ventilation Efficiency (Table 6-3)

6.2.5.3 Uncorrected Outdoor Air Intake

$V_{ou} = D * Sum_{\ all\ zones} R_p * P_z + R_a * A_z$ — Equation 6-6

Where V_{ou} = Uncorrected Outdoor Air Intake
D = Diversity,

6.2.5.4 Outdoor Air Intake

$V_{ot} = V_{ou} / E_v$ — Equation 6-8

Where V_{ot} = Outdoor Air Intake Flow
V_{ou} = Uncorrected Outdoor Air Intake
E_v = System Ventilation Efficiency

Air Handling Unit	V_{ot} Zone Primary Airflow (CFM)	Service	P_z # Of People	A_z Area (ft^2)	R_p (CFM/ Person)	R_a (CFM/ft^2)	V_{bz} Breathing Zone Outdoor Airflow (CFM)	E_z Zone Air Dist Effective	V_{oz} Zone Outdoor Airflow (CFM)	Z_p Zone Primary Outdoor Airflow Fraction (CFM)	E_v System Vent Effncy	V_{ou} Uncorrected Outdoor Air Intake (CFM)	V_{ot} Outdoor Airflow Intake (CFM) per zone	V_{ot} Outdoor Airflow Intake (CFM) (per HP unit)
	1,200	Entry	8	233	5.0	0.06	54	0.8	67	0.06	1.0	54	54	
		Office	3	98	5.0	0.06	21	0.8	26	0.02	1.0	21	21	
		Office 3	3	146	5.0	0.06	24	1.8	13	0.01	1.0	24	24	
		Office 5	3	120	5.0	0.06	22	3.8	6	0.00	1.0	22	22	
														121
	800	Prep	5	233	5.0	0.06	39	0.8	48	0.04	1.0	39	39	
		Office	3	119	5.0	0.06	22	0.8	28	0.02	1.0	22	22	
		Office 6	3	147	5.0	0.06	24	1.8	13	0.01	1.0	24	24	
														85

DIFFUSER, REGISTER AND GRILLE SCHEDULE

GENERAL NOTES:
GRILLES, REGISTERS, AND DIFFUSERS SHALL BE FABRICATED OF STEEL OR ALUMINUM, AS NOTED. ONLY ALUMINUM SHALL BE USED ON EXHAUST/RETURN REGISTERS OR GRILLES WHERE HEAVY CONCENTRATIONS OF MOISTURE ARE PRESENT (I.E. SHOWER ROOMS, CARTWASHER, ETC.). STEEL GRILLES, REGISTERS, AND DIFFUSERS SHALL BE PROVIDED WITH ZINC PHOSPHATE PRIME COAT AND BAKED WHITE ENAMEL FINISH. ALUMINUM GRILLES, REGISTERS, AND DIFFUSERS SHALL BE FINISHED WITH BAKED WHITE ENAMEL. THE TYPE OF GRILLE, REGISTER, OR DIFFUSER IS SHOWN BY SYMBOL ON THE DRAWINGS. ALL SYMBOLS SHALL BE COORDINATED BY THE CONTRACTOR WITH THE ARCHITECTURAL ROOM FINISH SCHEDULE, WHICH GOVERNS IN THE EVENT OF A CONFLICT. DISCREPANCIES WILL BE CLEARLY NOTED ON THE SUBMITTALS. FURNISH ADDITIONAL T–BAR FRAMING, AS REQUIRED TO SUPPORT CEILING MOUNTED GRILLES, REGISTERS, AND DIFFUSERS. ALL UNITS SHALL BE PROVIDED WITH CONCEALED TYPE FASTENING FRAMES. EQUIPMENT MANUFACTURED BY KRUEGER, TITUS, CARNES, PRICE, TUTTLE–BAILEY, AND ANEMOSTAT ARE ACCEPTABLE. OTHER MANUFACTURERS SHALL BE ACCEPTED BY PRIOR APPROVAL ONLY. (ALL SECURITY GRILLES AND REGISTERS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO BID SUBMITTAL.) GRILLES, REGISTERS, AND DIFFUSERS REQUIRING FIRE RADIATION DAMPER ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS, AT LOCATIONS SHOWN ON THE DRAWINGS.

SYMBOL	MANUFACTURER	MODEL	USE	TYPE	COMMENTS
S1	PRICE	SCDA	SUPPLY DIFFUSER	LAYIN	CEILING SUPPLY DIFFUSER: STEEL, STAMPED FACE, LAY–IN TYPE FRAME FOR T–BAR CEILING MOUNTING, ROUND NECK, ADJUSTABLE PANEL VANED WITH ADJUSTABLE PATTERN TABS, AND REMOVABLE CORE. PRICE SCDA; KRUEGER 1400–23; TITUS TMSA–3, OR APPROVED EQUAL. WHITE POWDER COAT FINISH, OR COLOR AS SELECTED BY ARCHITECT.
S2	PRICE	500	SUPPLY DIFFUSER	SIDE WALL	SIDE WALL DIFFUSER: 12 GA. STAMPED FACE WITH WELDED 12GA. SLEEVE & RETAINING ANGLES. TAMPER PROOF OBD. DIFFUSER SIZE EQUAL TO BRANCH DUCT SIZE.
R1	PRICE	500	RETURN GRILLE	SIDE WALL	SIDE WALL DIFFUSER: 12 GA. STAMPED FACE WITH WELDED 12GA. SLEEVE & RETAINING ANGLES. TAMPER PROOF OBD. DIFFUSER SIZE EQUAL TO BRANCH DUCT SIZE.

ENERGY RECOVERY VENTILATOR SCHEDULE

SYMBOL	MFG'R (OR APPROVED EQUAL)	MODEL	OUTDOOR AIR SIDE CFM	OUTDOOR AIR SIDE EXT. PRESS. in W.C.	OUTDOOR AIR SIDE DB °F (sum/wintr)	OUTDOOR AIR SIDE WB °F (sum/wintr)	INDOOR AIR SIDE CFM	INDOOR AIR SIDE EXT. PRESS. in W.C.	INDOOR AIR SIDE DB °F (sum/wintr)	INDOOR AIR SIDE WB °F (sum/wintr)	EFFICIENCY	ELECTRICAL V/PH/HZ	ELECTRICAL FLA	DIMENSIONS LxWxH	DIMENSIONS WEIGHT
ERV–1	RENEWAIRE	G5	165	0.5	95/0	63/0	165	0.4	75/56	72/54	78	120/1/60	1.2	28"x20" x13"	50lbs
ERV–2	RENEWAIRE	G5	85	0.5	95/0	63/0	65	0.4	75/56	72/54	74	120/1/60	0.9	25"x20" x10"	50lbs

☒ VIBRATION ISOLATION CURB ☒ FROST PROTECTION ☒ WHEEL BYPASS ☒ FILTER MAINTENANCE INDICATOR STITCH ☒ FACTORY CONTROLS
NOTE: DISCONNECTS BY ELECTRICAL CONTRACTOR. ☒ SMOKE DETECTORS ☒ MOTOR STARTERS ☒ ERV WHEEL MAINTENANCE INDICATOR STITCH ☒ INTERFACE w/DDC CONTROLS

LOUVERS

SYMBOL	MANUFACTURER	MODEL	USE	TYPE	COMMENTS
L	Greenheck	EDJ–202 HP	Outside Air Intake	Stationary Louver	Frame: Heavy gauge 6063T5 extruded aluminum. Blades: J style 6063T5 extruded aluminum, positioned at 45 degree angles on approx 3" centers. Birdscreen: 3/4" x .051" flattened expanded aluminum in removable frame. Bird screen mounted on inside. Finish per Architects direction

CONDENSER SCHEDULE

TAG	MFG (O.A.E.)	MODEL	COOLING MBH	VOLTS/PH	MCA/MOCP
CU–101	LG	LMU245HV	24.0	230/1	27/30
CU–102	LG	LMU185HV	18.0	230/1	27/30
CU–201	LG	LM245HV	24.0	230/1	27/30

FAN COILS SCHEDULE

TAG	MFG (O.A.E.)	MODEL	CFM	VOLTS/PH	MCA/MOCP
FC–101	LG	LMDN185HV	530	208/1	0.3/15
FC–102	LG	LMCN125HV	459	208/1	0.3/15
FC–103	LG	LMCN125HV	459	208/1	0.3/15
FC–104	LG	LMCN125HV	459	208/1	0.3/15
FC–201	LG	LMCN125HV	459	208/1	0.3/15
FC–202	LG	LMCN125HV	459	208/1	0.3/15
FC–203	LG	LMCN125HV	459	208/1	0.3/15

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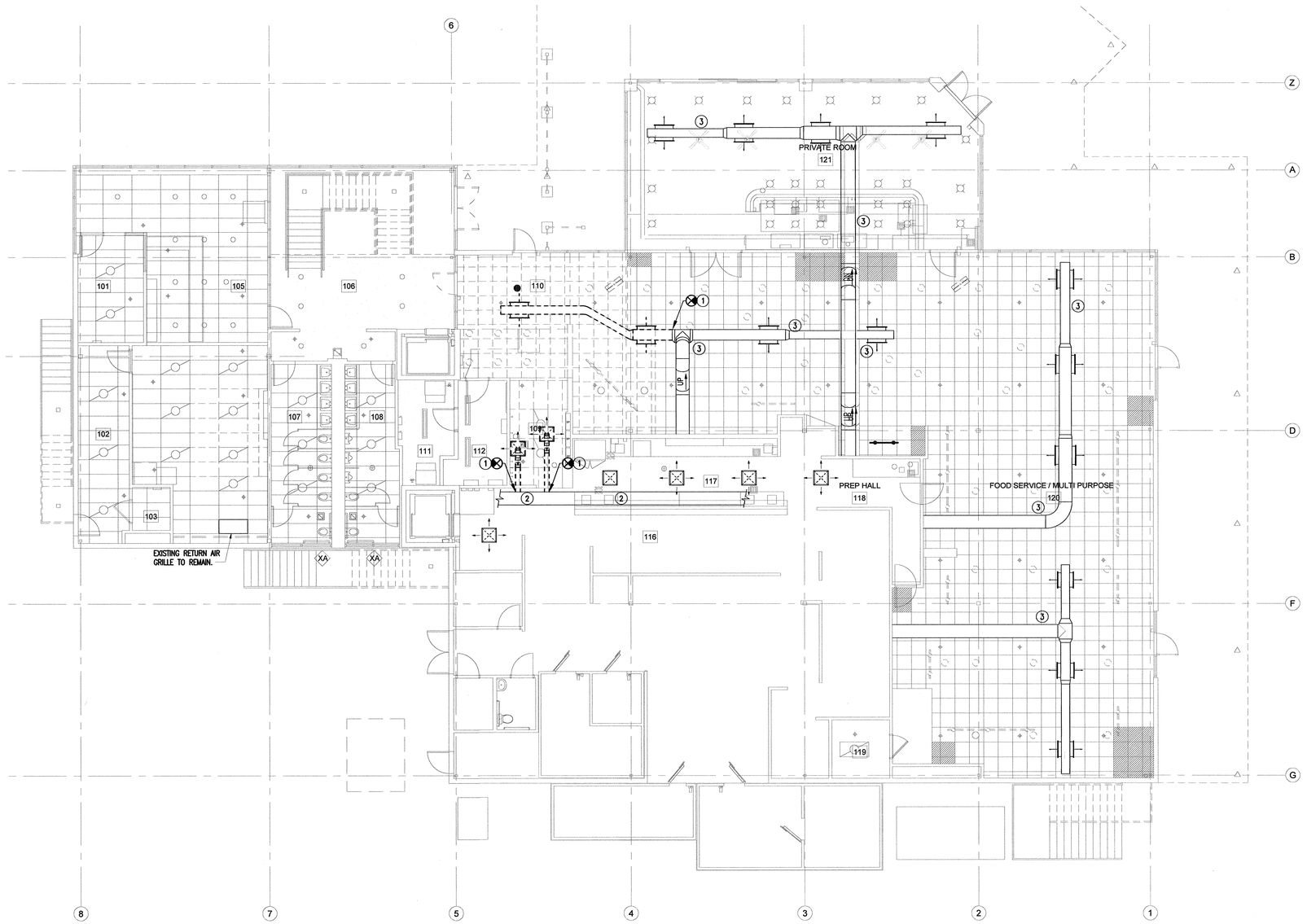
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PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

TITLE: MECHANICAL SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
				07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 19 Of 31 | M-001



M1 MECHANICAL HVAC PLAN–DEMOLITION FIRST FLOOR
1/8"=1'-0"

GENERAL NOTES

EXISTING DUCTWORK TO BE DEMOED

EXISTING DUCTWORK TO REMAIN

NEW DUCTORK

POINT OF CONNECTION OF NEW WORK TO EXISTING EQUIPMENT

POINT OF DISCONNECT

EXISTING DIFFUSER TO BE DEMOED

EXISTING DIFFUSER TO REMAIN

A. THE CONTRACTOR SHALL COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.

B. IN THE EVENT OF UNFORESEEN CONDITIONS THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND PROVIDE THE DOCUMENTATION NECESSARY FOR RESOLUTION.

C. CONTRACTOR TO PROTECT ALL EXISTING FLOOR, WALL, AND CEILING SURFACES THROUGHOUT CONSTRUCTION PROJECT FROM DAMAGE. CONTRACTOR TO PROTECT EXISTING DOORS, WINDOWS, FRAMES AND HARDWARE THAT IS TO REMAIN,

D. THESE DRAWINGS REFLECT INFORMATION GATHERED BY SITE INSPECTION, DISCUSSIONS WITH OWNER AND PREVIOUS CONSTRUCTION DRAWINGS. IT IS POSSIBLE THAT THE EXACT LOCATIONS OF MECHANICAL SYSTEMS MAY BE SLIGHTLY DIFFERENT FROM THE LOCATIONS SHOWN ON THESE DRAWINGS.

E. OWNER SHALL HAVE FIRST RIGHT FOR REFUSAL OF ANY REMOVED EQUIPMENT.

F. THE OWNER IS ENTITLED TO SALVAGE AND OR REMOVED HARDWARE, FIXTURES, AND EQUIPMENT FROM ALL AREAS OF THIS CONTRACT PRIOR TO DEMOLITION.

G. EXISTING REMOVED EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM SITE AND DISPOSED OF BY CONTRACTOR.

H. THE TERM "REMOVE" MEANS "REMOVE AND FULLY DISPOSE OF" UNLESS NOTED OTHERWISE.

I. AT THE END OF THE PROJECT THE CONTRACTOR SHALL PROVIDE A COMPLETE AS–BUILT SET OF DRAWINGS.

J. ALL EXISTING DIFFUSERS TO BE REMOVED SHALL BE CLEANED, AND REUSED AS INDICATED ON SHEET M–201 WHEREVER POSSIBLE.

K. SEE ARCHITECTURAL SHEETS FOR DIRECTION FOR PAINTING OF EXPOSED DUCT.

KEYED NOTES

1 POINT OF DISCONNECT FOR REMOVAL OF EXISTING DUCTWORK. SEE SHEET M–201 FOR NEW DUCTWORK POINT OF CONNECTION. DUCT TO BE CAPPED.

2. EXISTING EVAPORATIVE COOLING DUCTWORK TO REMAIN.

3. DUCT TO REMAIN

AS BUILT INFORMATION
BENCH MARK
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

NO. DATE REVISIONS/REMARKS BY

DESIGNED BY:
DRAWN BY: MTD
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DATE:
DATE:
DATE:

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BRIAN ARNOLD NEW MEXICO 14466 REGISTERED PROFESSIONAL ENGINEER
07/08/11

PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

TITLE: MECHANICAL DEMOLITION PLAN -LEVEL 1

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
				07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 20 Of 31 | M-101

GENERAL NOTES

EXISTING DUCTWORK TO BE DEMOED

EXISTING DUCTWORK TO REMAIN

NEW DUCTORK

POINT OF CONNECTION OF NEW WORK TO EXISTING EQUIPMENT

POINT OF DISCONNECT

EXISTING DIFFUSER TO BE DEMOED

EXISTING DIFFUSER TO REMAIN

A. THE CONTRACTOR SHALL COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.

B. IN THE EVENT OF UNFORESEEN CONDITIONS THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND PROVIDE THE DOCUMENTATION NECESSARY FOR RESOLUTION.

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D. THESE DRAWINGS REFLECT INFORMATION GATHERED BY SITE INSPECTION, DISCUSSIONS WITH OWNER AND PREVIOUS CONSTRUCTION DRAWINGS. IT IS POSSIBLE THAT THE EXACT LOCATIONS OF MECHANICAL SYSTEMS MAY BE SLIGHTLY DIFFERENT FROM THE LOCATIONS SHOWN ON THESE DRAWINGS.

E. OWNER SHALL HAVE FIRST RIGHT FOR REFUSAL OF ANY REMOVED EQUIPMENT.

F. THE OWNER IS ENTITLED TO SALVAGE AND OR REMOVED HARDWARE, FIXTURES, AND EQUIPMENT FROM ALL AREAS OF THIS CONTRACT PRIOR TO DEMOLITION.

G. EXISTING REMOVED EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM SITE AND DISPOSED OF BY CONTRACTOR.

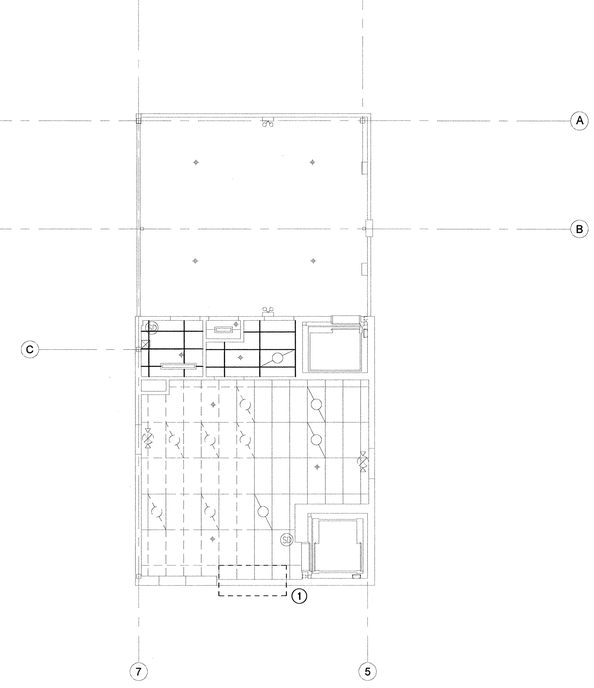
H. THE TERM "REMOVE" MEANS "REMOVE AND FULLY DISPOSE OF" UNLESS NOTED OTHERWISE.

I. AT THE END OF THE PROJECT THE CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT SET OF DRAWINGS.

J. ALL EXISTING DIFFUSERS TO BE REMOVED SHALL BE CLEANED, AND REUSED AS INDICATED ON SHEET M-201 WHEREVER POSSIBLE.

KEYED NOTES

1 EXISTING PTAC UNIT TO BE REMOVED COMPLETE. UNIT CURRENTLY LOCATED ON SOUTH WALL. WALL PENETRATION TO BE RECONSTRUCTED PER ARCHITECTS DIRECTIONS.



M1 MECHANICAL HVAC PLAN-DEMOLITION SECOND FLOOR
1/8"=1'-0"

AS BUILT INFORMATION
BENCH MARK
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

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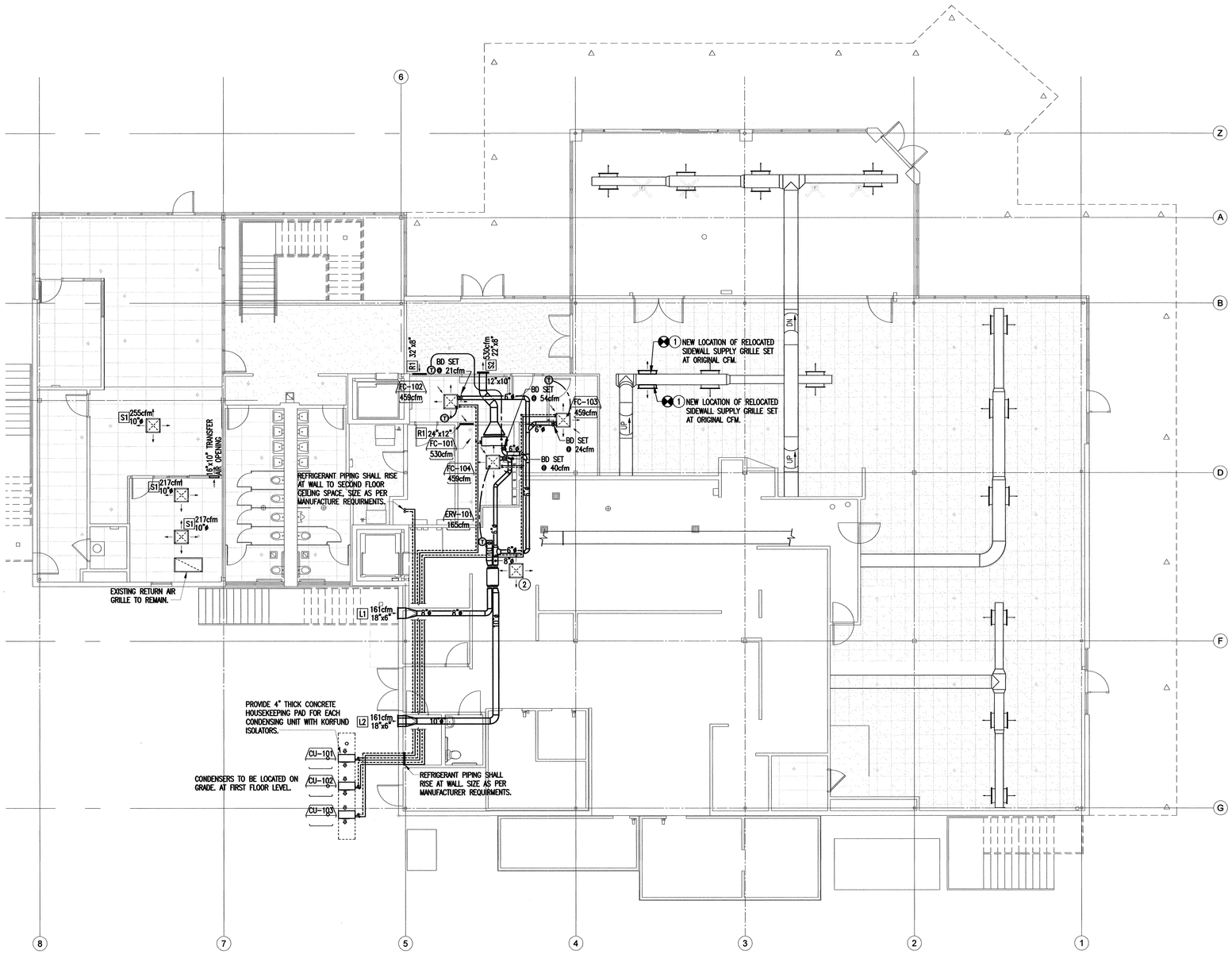
BRIAN ARNOLD NEW MEXICO 14466 REGISTERED PROFESSIONAL ENGINEER
07/08/11

PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

TITLE: MECHANICAL DEMOLITION PLAN
-LEVEL 2

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
				07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 21 Of 31 | M-102



M1 MECHANICAL HVAC PLAN–NEW
1/8"=1'–0"

GENERAL NOTES

EXISTING DUCTWORK TO BE DEMOED

EXISTING DUCTWORK TO REMAIN

NEW DUCTORK

POINT OF CONNECTION OF NEW WORK TO EXISTING EQUIPMENT

POINT OF DISCONNECT

EXISTING DIFFUSER TO BE DEMOED

EXISTING DIFFUSER TO REMAIN

A. COORDINATE THE LOCATION OF ROOF PENETRATIONS WITH ROOF STRUCTURE. FRAME EACH ROOF OPENING WITH WELDED ANGLE IRON FRAME.

B. VERIFY EQUIPMENT CONFIGURATION REQUIREMENTS BEFORE INSTALLATION. DUCT CONNECTIONS SHALL BE MADE AS REQUIRED.

C. GAUGE OF DUCT WORK SHALL BE PER SMACNA'S RECOMMENDATIONS.

D. MOUNT T'STATS AT 4' ABOVE FINISH FLOOR LEVEL.

E. WIRING OF SMOKE DETECTORS BY ELECTRICAL CONTRACTOR.

F. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

G. ALL SUPPLY REGISTERS WILL HAVE BALANCING DAMPERS.

H. ALL EXPOSED DUCTWORK TO BE PAINT GRIP STEEL. COLOR TO BE SPECIFIED BY ARCHITECT. ALL GRILLES TO HAVE A WHITE FINISH.

I. ALL DUCT PENETRATIONS BETWEEN FIRST AND SECOND TO BE PROVIDED WITH SMOKE FIRE DAMPER AT PENETRATION.

J. ALL DUCT LOCATED ON ROOF TO HAVE 1" FIBERGLASSED, ENCASES IN METAL JACKETING.

K. ALL MATERIALS IN PLENUM SHALL HAVE A FLAME–SPREAD INDEX OF LESS THAN 25 AND SMOKE–DEVELOPED RATING INDEX LESS THAN 50. THEREFOR, PLENUM IS RATED TO ALLOW FOR PLENUM RETURN AIR FLOW IN COMPLIANCE WITH 602.2.

L. ALL EXISTING DIFFUSERS TO BE REMOVED SHALL BE CLEANED, AND REUSED AS INDICATED ON SHEET M–201 WHEREVER POSSIBLE.

M. CONDENSATE ROUTED TO FLOOR SNIK IN KITCHEN.

N. PLAN FOR 10 SIDEWALL SUPPLY GRILLES TO BE RELOCATED BELOW THE CEILING GRID.

O. ALLOW FOR RELOCATION OF CEILING TILES WHERE DIFFUSERS ARE LOCATED. COORDINATE PLACEMENT W/ ARCH.

GENERAL FIRE PROTECTION NOTE

THE FIRE PROTECTION CONTRACTOR SHALL MODIFY EXISTING SYSTEM TO PROVIDE PROPER COVERAGE FOR NEW LAYOUT OF ROOMS. ALL NEW EXPANSION AND REMODELED AREAS SHALL BE SPRINKLED. THE INSTALLATION SHALL COMPLY WITH LATEST NFPA 13.

THE FIRE PROTECTION CONTRACTOR SHALL TEST RESIDUAL & STATIC PRESSURE AT SERVICE TO BUILDING AND VERIFY ADEQUACY OF EXISTING SYSTEM AND REPORT TO ARCHITECT. SHOULD THE RESIDUAL & STATIC PRESSURE PROVE TO BE INADEQUATE THE CONTRACTOR SHALL REQUEST THAT THE ARCHITECT MAKE A RULING AS TO ANY NECESSARY CHANGE OF MATERIALS.

KEYED NOTES

1 NEW AND RELOCATED GRILLES TO BE LOCATED AT 45° ANGLE BELOW GRID INSTALLATION.

2. NEW S–1 ON EVAP. SYSTEM.

AS BUILT INFORMATION
BENCH MARK
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
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DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

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CHECKED BY: DATE:

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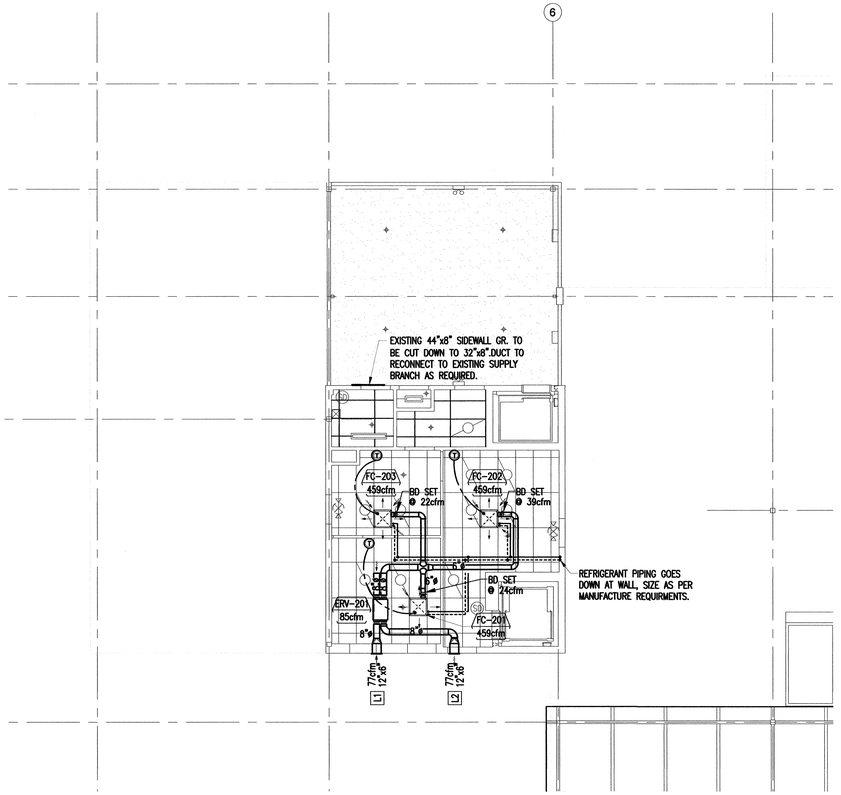
BRIAN ARNOLD NEW MEXICO 14466 REGISTERED PROFESSIONAL ENGINEER
07/08/11

PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

TITLE: FLOOR PLAN - LEVEL 1

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
				07/08/11

City Project No.	Zone Map No.	Sheet: 22 Of 31
P7997.03	B-17-Z	M-201



M1 MECHANICAL HVAC PLAN–NEW
1/8"=1'–0"

GENERAL NOTES

EXISTING DUCTWORK TO BE DEMOED

EXISTING DUCTWORK TO REMAIN

NEW DUCTORK

POINT OF CONNECTION OF NEW WORK TO EXISTING EQUIPMENT

POINT OF DISCONNECT

EXISTING DIFFUSER TO BE DEMOED

EXISTING DIFFUSER TO REMAIN

A. COORDINATE THE LOCATION OF ROOF PENETRATIONS WITH ROOF STRUCTURE. FRAME EACH ROOF OPENING WITH WELDED ANGLE IRON FRAME.

B. VERIFY EQUIPMENT CONFIGURATION REQUIREMENTS BEFORE INSTALLATION. DUCT CONNECTIONS SHALL BE MADE AS REQUIRED.

C. GAUGE OF DUCT WORK SHALL BE PER SMACNA'S RECOMMENDATIONS.

D. MOUNT T'STATS AT 4' ABOVE FINISH FLOOR LEVEL.

E. WIRING OF SMOKE DETECTORS BY ELECTRICAL CONTRACTOR.

F. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

G. ALL SUPPLY REGISTERS WILL HAVE BALANCING DAMPERS.

H. ALL EXPOSED DUCTWORK TO BE PAINT GRIP STEEL. COLOR TO BE SPECIFIED BY ARCHITECT.

I. ALL DUCT PENETRATIONS BETWEEN FIRST AND SECOND TO BE PROVIDED WITH SMOKE FIRE DAMPER AT PENETRATION.

J. ALL DUCT LOCATED ON ROOF TO HAVE 1" FIBERGLASSED, ENCASES IN METAL JACKETING.

K. ALL MATERIALS IN PLENUM SHALL HAVE A FLAME–SPREAD INDEX OF LESS THAN 25 AND SMOKE–DEVELOPED RATING INDEX LESS THAN 50. THEREFOR, PLENUM IS RATED TO ALLOW FOR PLENUM RETURN AIR FLOW IN COMPLIANCE WITH 602.2.

L. ALL EXISTING DIFFUSERS TO BE REMOVED SHALL BE CLEANED, AND REUSED AS INDICATED ON SHEET M–201 WHEREVER POSSIBLE.

KEYED NOTES

1

GENERAL FIRE PROTECTION NOTE

THE FIRE PROTECTION CONTRACTOR SHALL MODIFY EXISTING SYSTEM TO PROVIDE PROPER COVERAGE FOR NEW LAYOUT OF ROOMS. ALL NEW EXPANSION AND REMODELED AREAS SHALL BE SPRINKLED. THE INSTALLATION SHALL COMPLY WITH LATEST NFPA 13.

FIRE PROTECTION TO BE EXTENDED DOWN IN REVISED AREAS AND TO BE CENTERED WITHIN NEW CEILING TILES.

THE FIRE PROTECTION CONTRACTOR SHALL TEST RESIDUAL & STATIC PRESSURE AT SERVICE TO BUILDING AND VERIFY ADEQUACY OF EXISTING SYSTEM AND REPORT TO ARCHITECT. SHOULD THE RESIDUAL & STATIC PRESSURE PROVE TO BE INADEQUATE THE CONTRACTOR SHALL REQUEST THAT THE ARCHITECT MAKE A RULING AS TO ANY NECESSARY CHANGE OF MATERIALS.

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BENCH MARK
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INSPECTOR'S APPROVAL DATE:
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SURVEY INFORMATION
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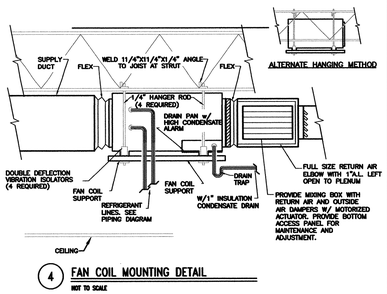
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07/08/11

PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

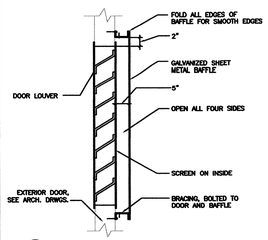
TITLE: FLOOR PLAN - LEVEL 2

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR	MO. / DAY / YR
				07/08/11

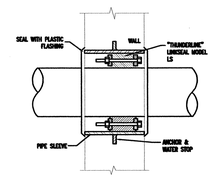
City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 23 Of 31 | M-202



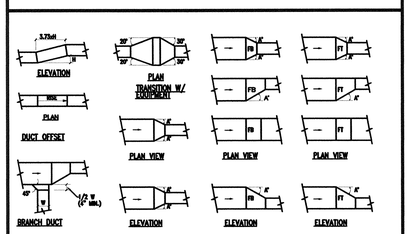
4 FAN COIL MOUNTING DETAIL
NOT TO SCALE



1 EXTERIOR LOUVER DETAIL
NOT TO SCALE



5 REFRIGERANT PIPE THRU WALL
NOT TO SCALE



NOTES:
1. ANGLE A = 30° WHEN AIR FLOWS IN DIRECTION OF ARROW (SUPPLY AIR).
2. ANGLE A = 15° WHEN AIR FLOWS IN OPPOSITE DIRECTION OF ARROW (R.A. OR EXHAUST).

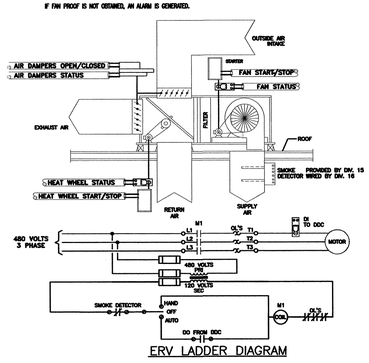
6 LOW VELOCITY DUCT FITTINGS DETAIL
NOT TO SCALE

SEQUENCE OF OPERATIONS

ERV UNIT CONTROLS ENERGY RECOVERY UNIT)

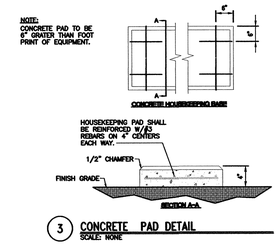
ENERGY RECOVERY UNITS ARE ENABLED OR DISED ON THE OCCUPANCY SCHEDULE (USER ADJUSTABLE).

IF FAN PROOF IS NOT OBTAINED, AN ALARM IS GENERATED.



ERV LADDER DIAGRAM

2 ERV SYSTEM CONTROL SCHEMATIC
TYPICAL OF (2) ERV UNITS



3 CONCRETE PAD DETAIL
SCALE: NONE

AECC Calculation

SECTION 503
BUILDING MECHANICAL SYSTEMS
SECTION 503.0 Simple Systems

Section 503.1.1 Compliance

Simple Systems:	☑ YES
Complex Systems:	☐ YES

Section 503.1.2 Prohibited Installations

Electric resistance heating system shall not be used for space heating, for reheating of supply air, or providing warm air mixing systems	☑

Exceptions

1. Where an electric-resistance heating system supplements a heating system in which at least 60 percent of the annual energy requirement is supplied by site-solar or recovered energy as defined in Chapter 2 of this code	☐
2. Where an electric-resistance heating system supplements a heat pump heating system and the heating capacity of the heat pump is more than 75 percent of the calculated design heating load.	☐
3. Where the total capacity of all electric-resistance heating systems serving the entire building is less than 10 percent of the total design output capacity of all heating equipment serving the entire building.	☐
4. Where the total capacity of all electric-resistance heating systems serving the building, excluding those allowed under Exception 2, is no more that 3kW.	☑
5. Like-for-like replacement in existing buildings not undergoing substantial alterations as defined in Chapter 2 of this code.	☐

Section 503.2
Provisions applicable to all mechanical systems.
Section 503.2.1 Calculation of heating and cooling loads.

Design Loads per Current Addition of ASHRAE Fundamentals Handbook. Full Calculations will be submitted upon request	☑
Heating/Cooling loads adjusted to account for load reductions that are achieved when energy recovery systems are used in accordance with ASHRAE HVAC Systems and Equipment Handbook. ☐ No Heat Recovery ☑ Heat Recovery ☑ Complies with ASHRAE Guidelines for Load Reduction	

Section 503.2.2 Equipment and system sizing

Equipment and systems capacity do not exceed the loads calculated in accordance with Section 503.2.1	☑

Exceptions

1. Required standby equipment and systems provided with controls and devices that allow such systems or equipment to operate automatically only when the primary equipment is not operating.	☐
2. Multiple units of the same equipment type with combined capacities exceeding the design load and provided with controls that have capability to sequence the operation of each unit based on load.	☐

Section 503.2.3 HVAC equipment performance requirements
HVAC Equipment Performance Per the following Table
TABLE 503.2.3 (1)
UNITARY AIR CONDITIONERS AND CONDENSING UNITS
ELECTRICALLY OPERATED, MINIMUM EFFICIENCY REQUIREMENTS

EQUIPMENT TYPE	DRAWING SYMBOL(S)	SIZE CATEGORY	SUBCATEGORY OR RATING CONDITION	REQUIRED MINIMUM EFF	SPECIFIED MINIMUM EFF	COMPLIES
Condensing Unit	CU-101,CU-102,CU-201	<65,000 BTUH	Split System	10.0 SEER	15	☑
Each heating/cooling system shall be provided with thermostatic controls per 503.2.4.1, 503.2.4.2, 503.2.4.3, 503.2.4.4, 503.4.1, 503.4.2, 503.4.3 and 503.4.4.						☐ ☑

Section 503.2.4.1 Thermostatic controls

The supply of heating and cooling energy to each zone shall be controlled by individual thermostatic controls capable of responding to temperature within the zone.	☑
Where humidification or dehumidification or both is provided at least one humidity control device shall be provided for each control system.	☑

Section 503.2.4.1.1 Heat pump supplementary heat ☑ Heat Pumps Used

Heat pumps having supplementary electric resistance heat shall have controls that, except during defrost, prevent supplementary heat operation when the heat pump can meet the heating load.	☐

503.2.4.2 Set point overlap restriction

Temperature range or deadband of at least 5 degrees F provided.	☑
Exception: Thermostats requiring manual change over between heating and cooling.	☐

503.2.4.3 Off-hour controls

Each zone is provided with thermostatic setback controls that are controlled by either an automatic time clock or programmable control system.	☑
Exceptions: Zones that operate continuously.	☐
Zones with a full HVAC load demand not exceeding 6,800 BTUH (2KW) and having readily accessible manual shutoff switch.	☐

503.2.4.3.1 Thermostatic setback capabilities

Thermostatic setback controls have the capability to set back or temporarily operate the system to maintain zone temperature to 55 degree F.	☑

503.2.4.3.2 Automatic setback and shutdown capabilities.

Automatic time clock or programmable controls capable of starting and stopping the system seven different daily schedules per week and retaining their programming and time setting during a loss of power for at least 10 hours. Controls have a manual override that allows temporary operation of the system for up to 2 hours; a manually operated timer capable of being adjusted to operate the system for up to 2 hours; or an occupancy sensor.	☑

503.2.4.4 Shutoff damper controls

Both outside air supply and exhaust ducts shall be equipped with motorized dampers that will automatically shut when the systems or spaces served are not in use.	☑
Exceptions: Gravity dampers permitted for buildings less than 3 stories.	☑
Gravity dampers permitted for buildings of any height in climate zones 1,2 and 3.	☐
Gravity dampers permitted for outside air intake or exhaust air flows of 300 cfm or less.	☐

503.2.5 Ventilation

Ventilation per ASHRAE Standard 62.1, see attached calculations.	☑

503.2.6 Energy recovery ventilation ☐ Required ☑ Not Required

Individual fan systems that have both a design supply air capacity of 5,000 cfm or greater and a minimum outside air supply of 70% or greater of the design supply air quantity shall have an energy recovery system that provides a change in the enthalpy of the outdoor air supply or 50% or more of the difference between the outdoor air and return air at design conditions. Provisions shall be made to bypass or control the energy recovery system to permit cooling with the outdoor air where cooling with outdoor	☐

Exceptions: Heat Recovery not required if:

Laboratory fume hood systems with a total exhaust rate of 15,000 cfm or less.	☐
Laboratory fume hood systems with a total exhaust rate greater than 15,000 cfm that include one of the following features: 3.1. VAV hood exhaust and room supply systems capable of reducing exhaust and makeup volume to 50% or less of design values. 3.2. Direct makeup (auxiliary) air supply the 2 degrees F below room set point, cooled to no cooler than 3 degrees F above room set point, no humidification added and not simultaneous heating and cooling used for dehumidification control.	☐
Systems serving spaces that are not cooled and are heating to less than 60 degrees F.	☐
Where more than 60% of the outdoor heating energy is provided from site recovered or site energy.	☐
Heating systems in climates with less than 3600 HDD.	☐
Cooling systems in climates with a 1% cooling design wet-bulb temperature less than 64 degrees F.	☐
Systems requiring dehumidification that employs series-style energy recovery coils wrapped around the cooling coil.	☐

503.2.7 Duct and plenum insulation and sealing.

All supply and return air ducts and plenums shall be insulated with a minimum of R-8 insulation when located in unconditioned spaces and when located outside the building. When located within a building envelope assembly, the duct or plenum shall be separated from the building exterior or unconditioned spaces or exempt spaces by a minimum of R-8 insulation.	☑
Exceptions 1. When located within equipment.	☑
2. When the design temperature difference the duct or plenum does not exceed 15 F	☐

503.2.7.1 Duct Construction

503.2.7.1.1 Low Pressure Duct Systems

Per Uniform Mechanical Code	☑

503.2.7.1.2 Medium Pressure Duct Systems

Per Uniform Mechanical Code	☐

503.2.7.1.2 High Pressure Duct Systems

Per Uniform Mechanical Code	☐

503.2.8 Piping Insulation

All piping serving as part of a heating or cooling system shall be thermally insulated in accordance with Table 503.2.8.	☐

TABLE 503.2.8 MINIMUM PIPE INSULATION (Thickness in Inches)

FLUID	NOMINAL PIPE DIAMETER ≤1.5"	NOMINAL PIPE DIAMETER >1.5"
Steam	1-1/2"	3"
Hot Water	1"	2"
Chilled water, brine or refrigerant	1"	1-1/2"

Exceptions

1. Factory installed piping within HVAC equipment test and rated in accordance with a test procedure referenced by this code.	☐
2. Piping that conveys fluids that have a design range between 55 degrees F and 105 degrees F.	☑
3. Piping that conveys fluids that have not been heated or cooled through the use of fossil fuels or electric power.	☐
4. Runout piping not exceeding 4 feet in length and 1 inch in diameter between the control valve and HVAC coil.	☐

503.2.9 HVAC system completion

Prior to the issuance of a certificate of occupancy, the design professional shall provide evidence of system completion in accordance with sections 503.2.9.1 through 503.9.3.	☑
503.2.9.1 Air system balancing	☑
503.2.9.2 Hydronic sys balancing	☐
503.2.9.2 Manuals	☑

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK

SURVEY INFORMATION
FIELD NOTES
NO. DATE BY

REVISIONS/REMARKS
NO. DATE BY

DESIGNED BY:
DRAWN BY: mtd
CHECKED BY:
DATE:
DATE:
DATE:

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BRIAN ARNOLD NEW MEXICO 14466 REGISTERED PROFESSIONAL ENGINEER
07/08/11

PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

TITLE: MECHANICAL DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
				07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 24 Of 31 M-301

FIRE SPRINKLER SPECIFICATIONS

1. SCOPE
   A. THE DESIGN AND INSTALLATION OF BUILDING COMPLETE HYDRAULICALLY CALCULATED AUTOMATIC FIRE SPRINKLER SYSTEM WITH SPRINKLER HEADS, CONTROLS, HOSE VALVES, INLET CONNECTIONS, TEST AND DRAIN CONNECTIONS, ZONE FLOW SWITCHES, TAMPER SWITCHES, VALVES, FITTINGS, PIPES AND ALL OTHER NECESSARY ACCESSORIES REQUIRED FOR A COMPLETE AND PROPERLY OPERATING SYSTEM.
   B. THE SYSTEM AND THIS CONTRACT SHALL INCLUDE CONNECTION TO THE MAIN IN THE STREET AND THE SERVICE LINE UP TO THE BUILDING.
   C. THE DESIGN AND INSTALLATION OF THE SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODES OF THE STATE OF NEW MEXICO AND TO THE APPLICABLE PROVISIONS OF NFPA STANDARDS NOS. 13, 24 AND LIFE SAFETY CODE 101. WHERE THESE SPECIFICATIONS EXCEEDING STANDARDS OF ABOVE LISTED CODES, THEN THESE SPECIFICATIONS SHALL BE FOLLOWED.
   D. ALSO REQUIREMENTS OF OWNER INSURANCE AND AUTHORITIES HAVING JURISDICTION SHALL BE INCORPORATED IN DESIGN.
   E. UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR OTHERWISE SPECIFIED, ALL MATERIALS AND EQUIPMENT USED IN INSTALLATION OF THE FIRE PROTECTION SYSTEM SHALL BE LISTED AND APPROVED FOR INTENDED SERVICE BY THE UNDERWRITERS LABORATORIES, INC. AND FACTORY MUTUAL. ALL SYSTEM COMPONENTS SHALL BE STANDARD PRODUCT OF THE LATEST DESIGN OF THE MANUFACTURER.
   F. PROVIDE TEMPORARY FIRE PROTECTION DURING CONSTRUCTION AS REQUIRED BY THE BUILDING CODE AND THE FIRE MARSHAL.
   G. THE WORK INCLUDED IN THIS CONTRACT CONSISTS OF FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS AND SERVICES, AND INCLUDES ALL COSTS OF PERMITS AND ALL COSTS WHATSOEVER WHICH MAY BE REQUIRED TO INSTALL COMPLETE, PROPERLY WORKING SYSTEMS AS DESCRIBED HEREIN.

2. EXISTING CONDITIONS
   A. THE CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS AND RELATED WORK REQUIRED FOR THE DESIGN AND INSTALLATION OF THE FIRE PROTECTION SYSTEM. THE CONTRACTOR SHALL PROVIDE A WRITTEN REPORT TO THE ARCHITECT DESCRIBING ANY CONDITIONS WHICH WOULD PREVENT PROPER PROVISIONS OF THIS WORK. BEGINNING WORK OF THE SECTION WITHOUT REPORTING UNSUITABLE CONDITIONS TO THE ARCHITECT CONSTITUTES ACCEPTANCE OF CONDITIONS BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO PERFORM ANY NECESSARY REMOVAL, REPAIR, OR REPLACEMENT OF WORK CAUSED BY UNSUITABLE CONDITIONS WHICH ARE UNREPORTED AS DESCRIBED HEREIN, AT NO ADDITIONAL COST TO THE OWNER.
   B. THE CONTRACTOR SHALL PERFORM ALL FIELD TESTS AND INSPECTIONS AS MAY BE NECESSARY TO DETERMINE WATER FLOW AND PRESSURE CHARACTERISTICS (STATIC AND RESIDUAL PRESSURE AT AVAILABLE FLOW) NECESSARY FOR THE DESIGN AND INSTALLATION OF THE FIRE PROTECTION SYSTEM.

3. SHOP DRAWINGS AND CALCULATIONS
   A. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE COMPLETE FIRE PROTECTION SYSTEM TO THE ARCHITECT FOR REVIEW. FIRE PROTECTION SYSTEM SHOP DRAWINGS SHALL BE SUBMITTED FIRST FOR REVIEW AND APPROVAL BY THE LOCAL AUTHORITIES HAVING JURISDICTION AND AFTER RECEIVING STAMPED APPROVAL SHALL BE SUBMITTED TO THE ARCHITECT FOR HIS REVIEW. NO CONSTRUCTION WORK SHALL BEGIN OR EQUIPMENT PURCHASED WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AND ENGINEER OF RECORD.
   B. SHOP DRAWINGS SHALL INCLUDE COMPLETE DATA AS REQUIRED BY NFPA 13 CHAPTER 6, DESCRIPTION OF ALL EQUIPMENT AND MATERIALS TO BE FURNISHED INCLUDING PERFORMANCE, QUALITY, DIMENSIONS AND CERTIFICATIONS OF APPROVING AGENCIES. COMPLETE DRAWINGS OF THE SYSTEM SHALL BE SUBMITTED INCLUDING PLOT PLAN SHOWING LOCATION AND ARRANGEMENT OF WATER SUPPLY CONNECTION, CONTROL VALVE, FIRE DEPARTMENT CONNECTIONS, ON_SITE FIRE MAIN ROUTING, ON_SITE FIRE HYDRANTS AND OTHER EQUIPMENT TO BE USED; AND INCLUDING HEAD LAYOUTS COORDINATED WITH LIGHTING, PLUMBING AND AIR CONDITIONING SYSTEM.
   C. THE HYDRAULIC CALCULATIONS SHALL BE BASED ON WORST CONDITION OF AVAILABLE WATER PRESSURE. SUMMER PRESSURE DROP IN WATER MAINS IN TIME OF HIGH IRRIGATION DEMAND SHALL BE ADDRESSED. IN CASE OF DOUBLE WATER SOURCE (SUCH AS ON SITE STORAGE TANK) ALWAYS LOWEST AVAILABLE PRESSURE SHALL BE TAKEN FOR CALCULATING BASE, UNLESS SPECIFICALLY (IN WRITING) ALLOWED BY THE OWNER'S INSURANCE AND/OR THE ENGINEER.
   D. THE HYDRAULIC CALCULATIONS SHALL SHOW MINIMUM OF 10% EXTRA (NOT SPENDED) PRESSURE FOR UNEXPECTED JOB SITE MODIFICATIONS OF THE SYSTEM. THIS REQUIREMENT IS IN ADDITION TO "WORST AVAILABLE" WATER PRESSURE AS DESCRIBED IN PARAGRAPH ABOVE.
   E. THE HYDRAULIC CALCULATIONS SHALL BE BASED ON AREA/DENSITY METHOD. ROOM DESIGN METHOD OR PIPE SCHEDULE SIZING SHALL NOT BE USED.
   F. THROUGHOUT THE SYSTEM THE VELOCITY SHALL NOT EXCEED 20 FEET PER SECOND.

4. CONTRACTOR QUALIFICATIONS
   A. CONTRACTOR FOR THE INSTALLATION OF THE FIRE PROTECTION SYSTEMS SPECIFIED HEREIN SHALL BE DULY LICENSED AND REGULARLY ENGAGED IN THE INSTALLATION OF AUTOMATIC SPRINKLER EQUIPMENT AS LISTED BY UNDERWRITERS LABORATORIES, INC., OR OTHER NATIONALLY RECOGNIZED TESTING LABORATORIES.

5. SERVICE CONNECTION –WATER SERVICE
   A. THE CONNECTION TO WATER SERVICE MAIN AND SERVICE LINE FOR THE FIRE PROTECTION SYSTEM SHALL BE PROVIDED AS INDICATED ON THE CIVIL SITE UTILITY DRAWINGS AND SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR COMPLETE INCLUDING ALL REQUIRED BACKFLOW PREVENTION OR DETECTION DEVICES (IF THEY ARE REQUIRED BY THE LOCAL APPLICABLE CODES AND REGULATIONS).

6. ALARM FACILITIES
   A. EQUIPMENT NECESSARY TO ACCOMPLISH THE REQUIRED WATERFLOW ALARM SHALL BE FURNISHED AND INSTALLED UNDER THIS SECTION OF THE SPECIFICATIONS. WATERFLOW DETECTION DEVICES SHALL CONSIST OF APPROVED WATERFLOW INDICATORS AS SPECIFIED HEREIN.
   B. LOCAL ALARM SHALL CONSIST OF AN APPROVED ALARM CHECK VALVE WITH COMPLETE TRIM AND MECHANICAL WATER MOTOR ALARM GONG. USE OF ELECTRICAL AUDIBLE ALARM BELL, SHALL BE PRIOR APPROVED. ALL ALARM DEVICES SHALL BE FURNISHED BY THE CONTRACTOR AND WIRED UNDER DIVISION 16 –FIRE ALARM SYSTEM (LOCATION OF ALARM BELL OR GONG AS APPROVED OR DIRECTED BY THE ARCHITECT).
   C. WATERFLOW INDICATORS, TAMPER SWITCHES AND OTHER REQUIRED SPRINKLER SYSTEM ALARM FUNCTIONS SHALL BE INTEGRATED INTO THE BUILDING FIRE ALARM SYSTEM UNDER DIVISION 16. THE CONTRACTOR SHALL COORDINATE WITH DIVISION 16, FIRE ALARM SYSTEMS, IN ORDER TO ESTABLISH EXACT REQUIREMENTS AND LOCATION OF ITEMS PROVIDED UNDER THIS SECTION WHICH REQUIRE CONNECTIONS TO THE FIRE ALARM SYSTEM.

7. ELECTRICAL CONNECTIONS
   A. ELECTRICAL CONNECTIONS FROM DEVICES AND COMPONENTS INCLUDING WATERFLOW INDICATORS, TAMPER SWITCHES, ETC., FURNISHED AND INSTALLED UNDER THIS SECTION TO THE BUILDING FIRE ALARM SYSTEM SHALL BE WIRED UNDER DIVISION 16.

8. GUARANTEE WARRANTY
   A. THE FOLLOWING GUARANTEE IS A PART OF THE SPECIFICATIONS AND SHALL BE BINDING ON THE CONTRACTOR.
   B. "THE CONTRACTOR GUARANTEES THAT THIS INSTALLATION IS FREE FROM MECHANICAL DEFECTS. HE AGREES TO REPLACE OR REPAIR TO THE SATISFACTION OF THE ARCHITECT ANY PART OF THE INSTALLATION WHICH MAY FAIL WITHIN A PERIOD OF ONE (1) YEAR AFTER DATE ESTABLISHED BELOW, PROVIDED THAT SUCH FAILURE IS DUE TO DEFECTS IN THE MATERIALS AND WORKMANSHIP OR TO FAILURE TO FOLLOW THE SPECIFICATIONS AND DRAWINGS. WARRANT OF THE CONTRACTOR FURNISHED EQUIPMENT OR SYSTEMS SHALL BEGIN ON THE DATE THE SYSTEM OR EQUIPMENT IS PLACED IN OPERATION FOR BENEFICIAL USE OF THE OWNER OR OCCUPANCY BY THE OWNER, WHICHEVER OCCURS FIRST."

PART 2 _ PRODUCTS

1. PIPING
   A. UNDERGROUND BUILDING: CLASS 200 DUCTILE IRON WITH MECHANICAL–RESTRICTED JOINTS. INTERIOR OF PIPE AND FITTINGS SHALL BE CEMENT LINED.
   B. BUILDING INTERIOR PIPING SYSTEM:
      a. PIPE SHALL BE NEW, DESIGNED FOR 175 PSI OR SYSTEM MAXIMUM WORKING PRESSURE, CONFORMING TO ASTM SPECIFICATIONS, AND HAVE THE MANUFACTURER'S NAME OR BRAND ALONG WITH THE PIPE APPLICABLE ASTM STANDARDS MARKED ON EACH LENGTH OF PIPE.
      b. PIPE SHALL BE STEEL, SCHEDULE 40, BLACK AND IN ACCORDANCE WITH SPECIFICATIONS ASTM A 135, AND A 53.
      c. PIPE SHALL BE STEEL, SCHEDULE 10, BLACK AND IN ACCORDANCE WITH SPECIFICATION ASTM A 135.
      d. TUBING SHALL BE COPPER, TYPE K, L, OR M, SUITABLE TO WITHSTAND WATER WORKING PRESSURE NOT LESS THAN 175 PSI, AND IN ACCORDANCE WITH SPECIFICATION ASTM B 75 OR ASTM B 88.
      e. OTHER STEEL PIPE SHALL BE UNDERWRITERS LABORATORIES INC., "LISTED", AND FACTORY MUTUAL SYSTEMS "APPROVED", EXTERIOR GALVANIZED, ASTM A–135 STEEL PIPE. IT SHALL BE JOINED BY SCREWED JOINTS IN ACCORDANCE WITH SPECIFICATION ANSI B 2.1 (ANSI B 1.20.1 – 1983) PER NFPA NO. 13, SECTION 3–12.1.1, OR BY WELDED JOINTS IN ACCORDANCE WITH SPECIFICATION ANSI B 31.1 AS AMENDED OR BY NFPA NO. 13 APPROVED MECHANICAL FITTINGS. COUPLINGS MAY BE OF THE ROLLED GROOVE TYPE OR THE MECHANICAL LOCKING TYPE (PUSH–ON), AND THEY SHALL BE DIMENSIONALLY COMPATIBLE WITH THE PIPE. PIPE END PREPARATION FOR THE MECHANICAL LOCKING TYPE COUPLINGS WILL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
      f. ALL STEEL PIPE FOR USE WITH PUSH–ON FITTINGS (SCHEDULE 40 OR 10) SHALL CONFORM TO ASTM A 135 TOLERANCES.
      g. SPRINKLER PIPING THAT IS EXPOSED TO THE WEATHER, OR USED IN A CORROSIVE ATMOSPHERE (WHERE NOTED ON DRAWINGS), OR USED ON DRY–PIPE SYSTEM SHALL BE GALVANIZED.
      h. ALL ASTM A 135 SPRINKLER PIPE MUST BE TESTED WITH A NON–DESTRUCTIVE ELECTRIC TEST FOR CONTINUOUS AND UNINTERRUPTED INSPECTION OF THE WELDED SEAM.
      i. ALL ASTM A 135 SPRINKLER PIPE MUST BE TESTED TO A CRITICAL WELD, BOTH CONE AND FLATTEN TEST.
      j. ALL ASTM A 53 SPRINKLER PIPE MUST BE HYDROSTATICALLY TESTED AT THE MILL PER THE ASTM STANDARDS.

2. FITTINGS
   A. PIPE FITTINGS USED IN THE SYSTEM SHALL BE DESIGNED FOR 175 PSI OR SYSTEM MAXIMUM WORKING PRESSURE IN ACCORDANCE WITH ANSI STANDARDS.
   B. SCREWED FITTINGS SHALL BE CAST IRON, 150 LB. CLASS, BLACK, AND IN ACCORDANCE WITH ANSI B 16.4 OR MALLEABLE IRON, 150 LB. CLASS, BLACK, AND IN ACCORDANCE WITH ANSI B 16.3.
   C. FLANGED FITTINGS SHALL BE CAST IRON, SHORT BODY, CLASS 125, BLACK, AND IN ACCORDANCE WITH ANSI B 16.1. GASKETS SHALL BE FULL–FACE OF 1/8" MINIMUM THICKNESS RED SHEET RUBBER. FLANGE BOLTS SHALL BE HEXAGON HEAD MACHINE BOLTS WITH HEAVY SEMI–FINISHED HEXAGON HEAD NUTS, CADMIUM PLATED, HAVING DIMENSIONS IN ACCORDANCE WITH ANSI B 18.2.
   D. WELDED FITTINGS SHALL BE STEEL, STANDARD WEIGHTS, BLACK, AND IN ACCORDANCE WITH ANSI B 16.9, ANSI B 16.25, ASTM A 234, ANSI B 16.5, AND ANSI B 16.11.
   E. GROOVED COUPLINGS AND MECHANICAL FITTINGS SHALL BE MALLEABLE IRON, 500 PSI WORKING PRESSURE, IN ACCORDANCE WITH ASTM A 47. COUPLINGS GASKET MATERIAL SHALL BE BUTYL RUBBER. GROOVED COUPLINGS AND MECHANICAL FITTINGS SHALL BE TESTED AND LISTED BY UL, FM OR NFPA NO. 13 APPROVED.

3. JOINTS
   A. SCHEDULE 40 BLACK STEEL PIPE SHALL BE JOINED BY SCREWED JOINTS IN ACCORDANCE WITH SPECIFICATION ANSI B 1.20.1–1983 (ANSI/ASME B 2.1), BY WELDED JOINTS IN ACCORDANCE WITH SPECIFICATION ANSI/ASME B 31.1, CHAP. 5, OR BY MECHANICAL GROOVED COUPLINGS OR PUSH–ON COUPLINGS, JOINED BY NFPA NO. 13 APPROVED COMBINATION OF COUPLINGS, GASKETS AND GROOVES. GROOVES MAY BE ROLLED OR CUT AND THEY SHALL BE DIMENSIONALLY COMPATIBLE WITH THE COUPLINGS.
   B. SCHEDULE 10 BLACK STEEL ASTM A 135 SPRINKLER PIPE SHALL BE JOINED BY WELDED JOINTS IN ACCORDANCE WITH SPECIFICATION ANSI/ASME B 31.1, CHAP. 5, AND BY NFPA NO. 13 APPROVED MECHANICAL COUPLINGS. COUPLINGS MAY BE OF THE ROLLED GROOVE TYPE OR THE MECHANICAL LOCKING TYPE (PUSH–ON). GROOVES FOR THE ROLLED GROOVE TYPE SHALL BE ROLLED ONLY (CUT GROOVING WILL NOT BE ALLOWED) AND THEY SHALL BE DIMENSIONALLY COMPATIBLE WITH THE COUPLINGS. PIPE END PREPARATION FOR THE MECHANICAL LOCKING TYPE COUPLINGS WILL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

4. HANGERS AND SUPPORTS
   A. HANGERS AND SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH STANDARDS SET BY NFPA NO. 13, OR AS SHOWN ON THE DRAWINGS.

5. PROTECTION OF PIPING
   A. PROTECTION OF PIPING AGAINST FREEZING, CORROSION, OR AGAINST EARTHQUAKE DAMAGE SHALL COMPLY WITH STANDARDS SET BY NFPA NO. 13, OR AS SHOWN ON THE DRAWINGS.

6. SYSTEM DRAINAGE
   A. DRAINAGE OF THE SYSTEM SHALL COMPLY WITH STANDARDS SET BY NFPA NO. 13. ALL DRAIN VALVES SHALL WITHSTAND WORKING PRESSURE OF NOT LESS THAN 175 PSI. ALL DRAINS INCLUDING AUTOMATIC BALL DRIPS SHALL BE MINIMUM 3/4" SIZE, UNLESS NOTED OTHERWISE ON THE DRAWINGS. DRAINS SHALL BE DISCHARGED TO POINTS AS SHOWN ON DRAWINGS OR AS DIRECTED BY THE ARCHITECT OR ENGINEER.

7. VALVES
   A. ALL VALVES INSTALLED AND CONTROLLING THE FIRE PROTECTION SYSTEM SHALL BE LISTED AND APPROVED FOR INTENDED SERVICE BY UNDERWRITERS LABORATORIES, INC. AND FACTORY MUTUAL, AND SHALL COMPLY WITH STANDARDS SET BY NFPA NO. 13, SECTION 3–9. ALL VALVES CONTROLLING WATER SUPPLY TO SPRINKLERS SHALL BE INDICATING TYPE (EXCEPT AS PERMITTED FOR UNDERGROUND VALVES) AND SHALL HAVE INSTALLED SUPERVISORY (TAMPER) SWITCHES AND SHALL BE LOCKED IN AN OPEN POSITION WITH CHAIN AND LOCK, IN ADDITION TO TAMPER SWITCHES. CHAIN AND LOCK MAY BE OMITTED ONLY IF SPECIFICALLY APPROVED BY THE ENGINEER.
   B. ALL VALVES FOR THE FIRE DEPARTMENT FIRE HOSE CONNECTION SHALL HAVE THREADS AND ADAPTERS TO MATCH STANDARDS OF THE LOCAL (OR RESPONDING) FIRE DEPARTMENT. THIS REQUIREMENT SHALL INCLUDE INLET CONNECTIONS, ROOF MANIFOLDS, HOSE VALVES AND FIRE PUMPS TEST HEADERS.
   C. POST INDICATORS: POST INDICATOR FIRE MAIN CONTROL VALVE SHALL BE PROVIDED AS REQUIRED BY NFPA, OR BUILDING AND LOCAL CODES. UNIT SHALL BE UNDERWRITER'S LABORATORIES, INC. LISTED AND U.L. APPROVED. POST OR WALL INDICATOR MAIN CONTROL VALVE LOCKED IN OPEN POSITION AND EQUIPPED WITH ADDITIONAL SUPERVISORY SWITCH SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS, OR AS REQUIRED BY LOCAL CODES.
   D. GATE VALVES, 2 INCHES AND UNDER, SHALL BE CRANE NO. 459, BRONZE BODY AND TRIM, OUTSIDE SCREW AND YOKE, WEDGE DISC, SCREWED CONNECTIONS, 400 PSI W.O.G. MAXIMUM WORKING PRESSURE, UNDERWRITERS LABORATORIES, INC. LISTED AND FACTORY MUTUAL APPROVED.
   E. GATE VALVES, 2_1/2 INCHES AND LARGER, SHALL BE CRANE NO. 467, OR APPROVED EQUAL, CLASS 125, FLANGED ENDS, OUTSIDE SCREW AND YOKE, BRONZE SEALS, WEDGE DISC, IRON BODY, 175 PSIG W.O.G. MAXIMUM WORKING PRESSURE, UNDERWRITERS LABORATORIES INC., LISTED AND FACTORY MUTUAL APPROVED.
   F. DRAIN VALVES SHALL BE CRANE NO. 1 GLOBE VALVE OR NO. 2, ANGLE BODY GLOBE VALVE, OR APPROVED EQUAL WITH SCREWED ENDS, BRONZE BODY AND TRIM, 200 PSIG W.O.G. MAXIMUM WORKING PRESSURE. FURNISH AND INSTALL AS REQUIRED BY NFPA NO. 13.
   G. SWING CHECK VALVES, 2 INCHES AND SMALLER SHALL BE CRANE NO. 36, OR APPROVED EQUAL, Y_PATTERN, HORIZONTAL SWING BRONZE BODY, BRONZE TRIM, SCREWED CONNECTIONS.
   H. SWING CHECK VALVES, 2_1/2 INCHES AND LARGER, SHALL BE CRANE NO. 375 OR APPROVED EQUAL, UNDERWRITERS LABORATORIES, INC. LISTED AND FACTORY MUTUAL APPROVED AND LABELED FOR FIRE PROTECTION SERVICE, 175 PSI WORKING PRESSURE, IRON BODY CLEARWAY SWING CHECK, CLASS 125 FLANGE CONNECTIONS.
   I. AUTOMATIC BALL DRIPS: AUTOMATIC BALL DRIPS SHALL BE ½ INCHES OR ¾ INCHES AS REQUIRED. UNDERWRITERS LABORATORIES, INC. LISTED AND FACTORY MUTUAL APPROVED, STANDARD FIRE WEST NO. 5248 OR APPROVED EQUAL.

FIRE SPRINKLER SPECIFICATIONS (cont.)

8. SPRINKLER HEADS
   A. ALL SPRINKLER HEADS SHALL BE UNDERWRITERS LABORATORIES, INC. LISTED AND FACTORY MUTUAL APPROVED FOR THE INTENDED SERVICE. REGULAR AUTOMATIC CLOSED TYPE HEADS OF THE REQUIRED TEMPERATURE AND RESPONSE RATING SHALL BE USED UNLESS OTHERWISE REQUIRED BY CODES, OWNER INSURANCE, NOTED ON THE DRAWINGS, OR AS SPECIFIED NO EXTENDED COVERAGE PENDANT OR UPRIGHT SPRINKLERS SHALL BE USED, UNLESS SPECIFICALLY NOTED ON THE DRAWINGS OR PRIOR APPROVED BY THE ENGINEER. USE OF EXTENDED COVERAGE SIDEWALL SPRINKLERS SHALL BE PERMITTED.
   B. SPRINKLER HEADS INSTALLED IN UNFINISHED AREAS WITHOUT SUSPENDED CEILINGS SHALL BE UPRIGHT, UNPLATTED ROUGH BRONZE OR BRASS. SIDEWALL TYPE HEADS MAY BE USED IN AREAS WITH LOW HEAD ROOM, OR AS SHOWN ON THE DRAWINGS, AND AS APPROVED BY THE FIRE MARSHAL AND THE ARCHITECT.
   C. SPRINKLER HEADS IN GENERAL FINISHED AREAS WITH SUSPENDED CEILINGS SHALL BE RECESSED, CHROME–PLATED BRONZE OR BRASS. SIDEWALL FLUSH TYPE HEADS MAY BE USED IN AREAS WITH LOW HEAD ROOM, OR AS SHOWN ON THE DRAWINGS, AND AS APPROVED BY THE FIRE MARSHALL AND THE ARCHITECT.
   D. SPRINKLER HEADS IN FINISHED AREAS WITHOUT SUSPENDED CEILING SHALL BE UPRIGHT CHROME–PLATED BRONZE OR BRASS. SIDEWALL TYPE CHROME–PLATED HEADS MAY BE USED IN AREAS WITH LOW HEAD ROOM, OR AS SHOWN ON DRAWINGS, AND AS APPROVED BY THE FIRE MARSHAL AND THE ARCHITECT.
   E. ANY OTHER SPECIAL TYPE OF SPRINKLERS (SUCH AS AUTOMATIC ON–OFF, CONCEALED, DRY PENDANT OR SIDEWALL, HEADS WITH SPECIAL COATING OR FINISH) SHALL BE PROVIDED AS REQUIRED BY APPLICABLE CODES, BY THE FIRE MARSHAL, ENGINEER, ARCHITECT, OR AS SHOWN ON THE DRAWINGS.
   F. CONTRACTOR SHALL FURNISH SPARE HEADS OF EACH TYPE AS REQUIRED BY NFPA NO. 13, INSTALLED IN A METAL CABINET WITH A SPRINKLER HEAD WRENCH FOR EACH TYPE HEAD. CABINET LOCATION SHALL BE AS DIRECTED BY THE ARCHITECT.
   G. FURNISH AND INSTALL SPRINKLER HEAD GUARDS WHERE REQUIRED TO PROTECT HEAD FROM DAMAGE AS REQUIRED BY CODE.

9. FIRE EXTINGUISHER CABINETS
   A. FIRE EXTINGUISHERS MOUNTED IN SUITABLE CABINETS SHALL BE PROVIDED IN LOCATIONS INDICATED ON THE ARCHITECTURAL DRAWINGS AND AS REQUIRED BY NFPA AND LOCAL CODES.
   B. EXTINGUISHERS AND CABINETS SHALL BE AS SPECIFIED UNDER THE ARCHITECTURAL SECTIONS OF THE SPECIFICATIONS, UNLESS SPECIFIED OTHERWISE IN THOSE SECTIONS, SUPPLY OF THE CABINETS SHALL BE THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR.

10. FIRE DEPARTMENT INLET CONNECTIONS
    A. SIAMESE INLET CONNECTION FOR FIRE PROTECTION SYSTEM SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY THE BUILDING CODE AND NFPA. PROVIDE TWO–WAY DOUBLE CLAPPER, SIAMESE INLET CONNECTION. SIERRA FIRE WEST NO. [S203, WALL TYPE] [S207, SIDEWALK TYPE] INLET, OR APPROVED EQUAL, CONSISTING OF BODY, PLUGS WITH CHAINS AND ESCUTCHEON LABELED FOR AUTOMATIC SPRINKLER AND STANDPIPE SERVICE, "AUTO SPKR." ALL EXPOSED SURFACES SHALL BE ROUGH UNPLATTED BRASS FINISH.

11. WATER FLOW INDICATORS
    A. WATER FLOW INDICATORS SHALL BE PROVIDED IN THE SPRINKLER SUPPLY PIPING AT EACH FLOOR LEVEL AS SHOWN ON THE DRAWINGS, OR AS REQUIRED BY NFPA. SWITCHES SHALL HAVE TWO SETS OF CONTACTS AT AN ADJUSTABLE 9_60 SECOND RETARD OR TIME DELAY. SWITCHES SHALL BE MANUFACTURED BY SIGNAL COMPANY, OR APPROVED EQUAL.

12. ACCESS DOORS
    A. ALL CONCEALED VALVES, CONTROLS, ETC., SHALL BE PROVIDED WITH ACCESS DOORS. .

13. SYSTEM MAIN BACKFLOW PREVENTER:
    A. WHERE SHOWN ON THE DRAWINGS OR AS REQUIRED BY THE LOCAL ORDINANCE INSTALL REQUIRED BACKFLOW PREVENTER ON THE FIRE PROTECTION WATER SUPPLY MAIN. UNIT SIZE SHALL BE SAME AS INCOMING MAIN. THE MANUFACTURER AND MODEL OF THE REQUIRED UNIT SHALL BE SELECTED BY THE CONTRACTOR IN ACCORDANCE WITH THE CODE OR LOCAL ORDINANCE.

PART 3 – EXECUTION

1. PERFORMANCE REQUIREMENTS
   A. SPRINKLER SYSTEM SHALL CONSIST OF WET PIPE SPRINKLER SYSTEM TO COMPLETELY SPRINKLE THE BUILDING, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
   B. SYSTEM SHALL ALSO INCLUDE DESIGN AND INSTALLATION OF MAIN FIRE PROTECTION SUPPLY LINE, COMPLETE.
   C. THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED UTILIZING AREA DENSITY METHOD. THE ROOM DESIGN METHOD OR PIPE SCHEDULE SIZING MAY BE USED ONLY IF SPECIFICALLY PRIOR APPROVED BY THE ENGINEER. THE REQUIRED DENSITIES SHALL BE IN ACCORDANCE WITH NFPA NO. 13, OR AS NOTED ON THE DRAWINGS.
   D. IF OWNER INSURANCE REQUIRES DENSITIES HIGHER THAN ARE REQUIRED BY APPLICABLE CODES, THE CONTRACTOR SHALL COMPLY WITH INSURANCE REQUIREMENT.
   E. THE SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE BUILDING CODE, AND APPLICABLE PROVISIONS OF NFPA NOS. 13, 14, 20, 24 AND 101. REQUIREMENTS OF OWNER INSURANCE AND AUTHORITIES HAVING JURISDICTION SHALL BE INCORPORATED IN THE DESIGN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THESE REQUIREMENTS PRIOR TO ANY DESIGN. IF THE CONTRACTOR FAILS TO DO SO, THEN ANY MODIFICATIONS TO THE SYSTEM SHALL BE ON THE CONTRACTOR'S OWN EXPENSE.

2. INSTALLATION AND PRIORITY IN THE INSTALLATION
   A. INSTALLATION OF FIRE PROTECTION SYSTEMS SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE PROVISIONS OF NFPA STANDARDS NOS. 13, 14, 20, AND 24, IN ACCORDANCE WITH CHAPTER 2 OF THE UNIFORM BUILDING CODE.
   B. THE ARRANGEMENTS OF ALL PIPING SYSTEMS SHALL CONFORM TO THE ARCHITECTURAL REQUIREMENTS AND FIELD CONDITIONS, AND SHALL BE RUN STRAIGHT AND DIRECT, FORMING RIGHT ANGLES OR PARALLEL LINES WITH BUILDING WALLS AND OTHER PIPES, AND SHALL BE NEATLY SPACED. OFFSETS WILL BE PROVIDED WHERE REQUIRED. STANDARD FITTINGS SHALL BE USED FOR OFFSETS. ALL RISERS SHALL BE ERECTED PLUMB AND TRUE, AND SHALL BE PARALLEL WITH THE WALLS AND OTHER PIPES AND SHALL BE NEATLY SPACED. ALL WORK SHALL BE COORDINATED WITH ALL SECTIONS OF DIVISION 15, MECHANICAL, AND DIVISION 16, ELECTRICAL, IN ORDER TO AVOID INTERFERENCE OF PIPE AND UNNECESSARY CUTTING OF FLOORS AND WALLS.
   C. INSTALLATION OF MECHANICAL AND FIRE PROTECTION SYSTEM WITHIN THE CEILING CAVITY IS IN THE FOLLOWING ORDER OF PRIORITY:
      a. PLUMBING SOIL, WASTE AND ROOF DRAIN LINES.
      b. SUPPLY, RETURN AND EXHAUST DUCTWORK.
      c. HEATING HOT WATER AND CHILLED WATER PIPING.
      d. LIGHTING, BUS DUCTS AND ELECTRICAL CABLE TRAYS.
      e. FIRE SPRINKLER MAINS.
      f. DOMESTIC HOT AND COLD WATER MAINS.
      g. VENT PIPING (FOR WASTE SYSTEMS).
      h. FIRE SPRINKLER BRANCH PIPING.
      i. DOMESTIC HOT AND COLD WATER BRANCH PIPING.
   D. THE FIRE PROTECTION CONTRACTOR SHALL RESPECT THESE PRIORITIES. SHOP PREFABRICATION OF THE SPRINKLER SYSTEM IS ON THE CONTRACTOR'S OWN RISK. IF ANY FIELD MODIFICATIONS ARE REQUIRED TO ACCOMMODATE PRIORITIES AS DESCRIBED ABOVE, THAN THOSE MODIFICATIONS WILL BE ON THE CONTRACTOR'S OWN EXPENSE. ALL OFFSETS OF THE SPRINKLER PIPING SHALL BE PROVIDED WITH PROPER (AS PER NFPA) DRAINS AND AIR RELIEF.
   E. THE CONTRACTOR SHALL INSURE THAT THE INSTALLATION OF ALL SPRINKLER PIPING AND SPRINKLER HEADS IS COORDINATED WITH THE INSTALLATION OF CEILING AND ROOF MATERIALS, OVERHEAD LIGHTING AND ALL OTHER ELECTRICAL ITEMS, DUCTWORK, ROOF OPENINGS, OTHER PIPING AND SUSPENDED EQUIPMENT TO PROVIDE AN INSTALLATION IN COMPLETE COMPLIANCE WITH THE APPROPRIATE NFPA CODES.
   F. SPRINKLER HEADS IN FINISHED AREAS ARE TO BE INSTALLED ON A TRUE AXIS LINE IN BOTH DIRECTIONS WITH A MAXIMUM DEVIATION FROM THE AXIS LINE OF 1/2", PLUS OR MINUS. HEADS EXCEEDING THIS, AS DIRECTED BY THE ARCHITECT, SHALL BE REMOVED AND REINSTALLED.
   G. ESCUTCHEONS SHALL BE PROVIDED AT ALL FINISHED SURFACES WHERE EXPOSED PIPING PASSES THROUGH FLOORS, WALLS, OR CEILINGS EXCEPT IN BOILER, UTILITY OR EQUIPMENT ROOMS. ESCUTCHEONS SHALL BE FASTENED SECURELY TO PIPE AND SHALL BE CHROMIUM–PLATED IRON OR CHROMIUM–PLATED BRASS, EITHER ONE PIECE OR SPLIT PATTERN, HELD IN PLACE BY INTERNAL SPRING TENSION OR SETSCREW.
   H. INTERFERENCE: NO PIPES OR OTHER APPARATUS SHALL BE INSTALLED SO AS TO INTERFERE, IN ANYWAY, WITH THE FULL SWING OF THE BUILDING DOORS, ACCESS DOORS, EQUIPMENT ACCESS, ETC.
   I. NO MAINS OR BRANCHES SHALL BE PERMITTED TO BE INSTALLED EXPOSED IN FINISHED AREAS UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS, OR APPROVED BY THE ARCHITECT OR ENGINEER.
   J. IF REQUIRED BY LOCAL BUILDING OFFICIALS AND APPROVED BY THE FIRE MARSHAL, PROVIDE SHEET METAL SHIELDS OVER HIGH VOLTAGE ELECTRICAL EQUIPMENT IN SPRINKLED ELECTRICAL ROOMS. SHIELDS SHALL BE CONSTRUCTED OF 16 GAUGE GALVANIZED STEEL AND SHALL BE SUPPORTED WITH CEILING HANGERS. THE SIZE OF THE SHIELDS SHALL BE DETERMINED IN THE FIELD BY THE FIRE PROTECTION CONTRACTOR AND SHALL PROTECT ONLY HIGH VOLTAGE EQUIPMENT FROM DIRECT WATER SPRAY.
   K. PRIOR TO ACCEPTANCE, THE CONTRACTOR SHALL FURNISH THE OWNER WITH ONE BOUND COPY OF THE COMPLETE INSTRUCTIONS, INCLUDING CATALOG CUTS, DIAGRAMS, DRAWINGS AND OTHER DESCRIPTIVE DATA COVERING THE PROPER TESTING, OPERATION AND MAINTENANCE OF EACH TYPE OF SYSTEM INSTALLED, AND THE NECESSARY INFORMATION FOR ORDERING REPLACEMENT PARTS. IN ADDITION, ONE COPY OF COMPLETE INSTRUCTIONS

FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION/ LOCATION	LAMPS			MOUNTING INSTRUCTIONS	REMARKS
				TYPE	WATTS	QTY.		
A	METALUX	#2RDI-S-432-RP-UNV EB81-PLUS-EQ	2X4 INDIRECT TROFFER	F028 T8	28	4	RECESSED GRID	
B	PORTFOLIO	#C8-232-2D32-8351 LI-WF-HB28	COMPACT FLUOR DOWNLIGHT	CF TTT	32	2	RECESSED GRID	SEE NOTE J. BELOW.
C	HALO	#LA-805-MED-NF-8-30 P-277V	TRACK AND LED HEAD	LED	18	---	TRACK - SURFACE CLG	#LA632-P-277V 8' TRACK
D	PORTFOLIO	#LD615D010-ERW6 835-YLW0-LIWFTRR6	LED DOWN LIGHT	LED	25	---	RECESSED	
F	HALO	#LA-805-MED-NF-8-30 P-120V	LED HEAD ON MONO-POINT	LED	18	---	MONO-POINT SURFACE CLG	#LZR209-WH
G	LUMARK	#MPFZ15C-ED17-HPF W	ARCHITECTURAL SCONCE - EXTERIOR	MH	150	1	WALL +9'-6" AFF	
AE	EXISTING	---	REINSTALL EXISTING 2X4 TROFFER	F032 T8	32	3	RECESSED GRID	
EM	SURE-LITE	#AP2SQ-WH	EMERGENCY LIGHT	-----	-----	-----	WALL + 8'-0"	
	DUAL-LITE	#AP7-0-R-WH-DH-SQ	EXIT LIGHT WITH DOUBLE HEADS	-----	-----	-----	WALL + 8'-0"	

FIXTURE SCHEDULE GENERAL NOTES

A. ALL FLUORESCENT FIXTURES SHALL BE PROVIDED WITH ELECTRONIC SOLID STATE BALLAST AND SYLVANIA OCTRON T8 LAMPS, SIMILAR AND EQUAL.

B. PROVIDE 10% SPARE LAMPS OF EACH TYPE AND WATTAGE. DELIVER TO OWNER IN ORIGINAL BOXES.

C. ALL EMERGENCY LIGHT FIXTURES SHALL BE IDENTIFIED WITH A RED COLORED DOT ATTACHED TO THE TRIM OR TO THE OUTSIDE OF THE FIXTURE TO INDICATE FIXTURE CONNECTED TO THE EMERGENCY LIGHTING CIRCUIT.

D. THE ARCHITECTURAL REFLECTED CEILING PLANS TAKE PRECEDENCE OVER THE LIGHTING PLANS SHOWN ON THE ELECTRICAL DRAWINGS. COORDINATE WITH ARCHITECTURAL REFLECTED PLANS AND COMPLY AS REQUIRED.

F. MOUNTING HEIGHTS OF FIXTURES ARE GENERALLY SHOWN ON THE ARCHITECTURAL ELEVATIONS. COORDINATE AND COMPLY AS REQUIRED.

G. PROVIDE A TOTAL OF FOUR (4) EXIT LIGHTS, TO BE INSTALLED IN LOCATION AS DIRECTED BY THE FIRE MARSHALL, IN THE FIELD, DURING CONSTRUCTION. INCLUDE MINIMUM 30' OF CONDUIT AND WIRE TO BE CONNECTED TO THE CLOSEST 120V EMERGENCY LIGHTING BRANCH CIRCUIT.

H. FIXTURE VOLTAGES SHALL BE COORDINATED WITH BUILDING VOLTAGE SYSTEM.

I. FIXTURES SHALL BE COMPATIBLE WITH THE CEILING TYPE INSTALLED WITHIN; PROVIDE GRID TYPE FIXTURES INSTALLED IN LAY-IN GRID CEILINGS, AND PROVIDE FLANGE TYPE FIXTURES IN GYP BOARD AND HARD CEILINGS.

J. TYPE "B" FIXTURES SHALL BE PROVIDED WITH LUTRON ECO-SYSTEM DIGITAL BALLASTS #EC3DT4MWKU2, SIMILAR AND/OR EQUAL, RATED 277V FOR TWO (2) 32W/TTT 4-PIN T4 COMPACT FLUORESCENT LAMPS.

ELECTRICAL GENERAL NOTES

A. PERFORM ALL ELECTRICAL WORK IN NEAT WORKMANLIKE MANNER IN FULL COMPLIANCE WITH ALL APPLICABLE, ADOPTED, CODES; INCLUDING BUT NOT LIMITED TO THE NATIONAL ELECTRICAL CODE (NEC), UBC, NFPA, AND ADA. ALL LOCAL AND STATE REQUIREMENTS WILL BE OBSERVED DURING THE PERFORMANCE OF THIS WORK.

B. SHOULD THE CONTRACTOR DETECT DESCREPANCIES BETWEEN CONTRACT DOCUMENTS AND ANY ASSOCIATED LEGAL OR SAFETY REQUIREMENTS HE SHALL PROMPTLY NOTFY THE ENGINEER IN WRITING. ONCE NOTIFIED THE ENGINEER SHALL MODIFY THE CONTRACT DOCUMENTS ACCORDINGLY. IF THE CONTRACTOR PROCEEDS WITH ANY WORK WHICH IS IN VARIANCE OF KNOWN LEGAL OR SAFETY REQUIREMENTS. THE CONTRACTOR SHALL ASSUME RESPONSIBITY FOR THIS WORK AND SHALL PROMPLTY CORRECT THE WORK, WHEN NOTIFIED WITHOUT ADDITIONAL COST TO THE OWNER.

C. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING. NO CLAIM FOR ADDITIONAL COST OR TIME EXTENSION WILL BE ALLOWED WITHOUT PROPER NOTICE PLUS PRIOR DETERMINATION OF TIME AND COST TO THE OWNER.

D. AFTER COMPLETION OF THE INSTALLATION, THE ENTIRE SYSTEM SHALL BE THROUGHLY CLEANED. REMOVE ALL FOREIGN MATTER, PAINT, OR DIRT, GREASE, UNNEEDED LABELS OR STICKERS FROM FIXTURES AND EQUIPMENT. REMOVE ALL RUBBISH AND DEBRIS ACCUMULATED DURING INSTALLATION FOR THE PREMISES.

E. ALL PHASES OF THE ELECTRICAL WORK SHALL BE COORDINATED WITH THE ARCHITECT AND GENERAL CONTRACTOR. WORK SHALL BE PERFORMED TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO THE OWNER.

F. CONTRACTOR SHALL RECEIVE, FROM SYSTEM SUPPLIERS, ALL WIRING DIAGRAMS FOR ALL EQUIPMENT, PRIOR TO ANY ROUGH-IN. TO ASSURE THAT PROPER ELECTRICAL CHARACTERISTICS ARE PROVIDED. ANY INCORRECT WIRING OR DEVICES INSTALLED BY ELECTRICAL CONTRACTOR WITHOUT THE WIRNG DIAGRAM SHALL BE CORRECTED AT ELECTRICAL CONTRACTOR'S EXPENSE.

G. ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL DEVICE LOCATIONS WITH ARCHITECTURAL CASE WORK DETAILS PRIOR TO ANY ROUGH-IN.

H. ELECTRICAL CONTRACTOR SHALL VERIFY FINAL LOCATIONS OF ALL SINKS WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. ANY ELECTRICAL DEVICES LOCATED ABOVE COUNTER AND BEHIND FINAL SINK LOCATIONS SHALL BE SHIFTED A MINIMUM OF 8" TO EITHER SIDE OF SINK. ANY ELECTRICAL DEVICES LEFT BEHIND SINK AT THE TIME OF FINAL ELECTRICAL WALK THROUGH SHALL BE RELOCATED AT ELECTRICAL CONTRACTOR'S EXPENSE.

I. PRIOR TO INSTALLATION, THE OWNER RESERVES THE RIGHT TO RELOCATE ANY ELECTRICAL DEVICE, UP TO A DISTANCE OF 12" WITHOUT ADDITIONAL CHARGE.

J. THE EXACT LOCATION OF ALL SYSTEMS AND EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH OTHER TRADES PRIOR TO ANY INSTALLATION. WHERE EXACT LOCATIONS ARE NECESSARY, THEY ARE DIMENSIONED ON THESE DRAWINGS. WHERE THERE IS A QUESTION OF ADEQUATE CLEARANCE OR COORDINATION BETWEEN TRADES, THIS CONTRACTOR SHALL PREPARE AS BUILT DRAWINGS FOR ENGINEERS REVIEW.

K. ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 VOLTS TYPE THHN/THWN, INSULATION, UNLESS OTHERWISE INDICATED MINIMUM WIRE SIZE SHALL BE #12 AWG AND STRANDED FOR #10 AWG OR LARGER. ALL WIRING SHALL BE RUN IN CONDUIT INCLUDING LOW VOLTAGE AND CONTROL WIRING, UNLESS OTHERWISE NOTED.

L. GENERALLY, CONDUIT SHALL BE EMT, 1/2 INCH MINIMUM. WHERE REQUIRED TO PROTECT FROM PHYSICAL DAMAGE, CONDUIT SHALL BE RIGID OR IMC TYPE. RUN CONDUIT CONCEALED UNLESS OTHERWISE SHOWN ON THE DRAWINGS. USE FLEXIBLE METALLIC CONDUIT OR SURFACE MOUNTED RACEWAY ONLY WHERE INDICATED. PROVIDE EXPANSION FITTINGS FOR CONDUIT CROSSING EXPANSION JOINTS.

M. SUPPORT ALL CONDUIT INDEPENDENTLY FROM THE BUILDING STRUCTURE. DO NOT SUPORT FROM VENTILATION DUCTS, MECHANICAL PIPING, SUSPENDED CEILING GRIDS, OR THEIR HANGERS. USE ONLY ACCEPTABLE METHODS OF SUPPORT.

N. TERMINATING AND SPLICING: ALL #10 GA AND SMALLER JOINTS AND SPLICES IN BRANCH CIRCUIT WIRING SHALL BE MADE WITH AN APPROVED, SOLDERLESS TOOL. APPLICATION OR TWIST ON CONNECTORS: #8 GA AND LARGER WITH HIGH COMPRESSION BARREL SPLICES WITH SHRINK WRAP AND MANUFACTURER'S COMPATIBLE CONNECTORS IN GUTTERS, AND SIMILAR LOCATIONS; AND NOTE ALLOWED IN RACEWAYS.

ELECTRICAL GENERAL NOTES

O. EMT CONDUIT FITTINGS: IN DRY LOCATIONS ALL EMT COUPLERS AND CONNECTORS SHALL BE STEEL SET SCREW TYPE OR "REGAL" DIE CAST SET SCREW COUPLINGS AND CONNECTORS. DIE CAST FITTINGS SHALL NOT BE USED ON THIS PROJECT. DAMP/WET LOCATIONS USE STEEL COMPRESSION GLAND TYPE COUPLER AND CONNNECTIONS.

P. SURFACE RACEWAY: ALL CONDUIT TO BE CONCEALED. WHEREVER CONCEALED CONDUIT IN FINISHED AREAS IN NOT POSSIBLE, ELECTRICAL CONTRACTOR SHALL INSTALL SURFACE MOUNTED RACEWAYS EQUAL TO WIREMOLD. RUN SURFACE RACEWAYS IN CORNER OF WALL AND CEILING. ALL RACEWAYS THAT ARE EXPOSED SHALL BE APPROVED BY ARCHITECT PRIOR TO ROUGH-IN.

Q. TYPE NM (ROMEX CABLE) NMC&MC CABLE WILL NOT BE ALLOWED ON THIS PROJECT.

R. IN ADDITION TO RACEWAY BONDING REQUIRED BY CODE AND OUTLET BOX BONDING JUMPERS, CONTRACTOR SHALL INSTALL A GREEN EQUIPMENT GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT.

S. MAINTAIN A MINIMUM OF 24 INCH SEPARATION BETWEEN POWER CONDUITS AND SIGNAL CONDUITS. ROUTE CONDUITS SO AS NOT CROSS EACH OTHER.

T. PROVIDE WIRING DEVICES RATED FOR THE GIVEN APPLICATION AS REQUIRED BY CODE. SPECIAL DEVICES SHALL BE PROVIDED AS INDICATED.

U. INSTALL EXTERIOR WIRING IN CONDUIT. UTILIZE WEATHERPROOF FITTINGS AND WEATHERPROOF BOXES/COVERS.

V. SIZE ALL BOXES AND ENCLOSURES PER THE NATIONAL ELECTRICAL CODE. WORKING SPACE FOR ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE.

W. PROVIDE A 20 AMP, 120 VOLT, GFCI PROTECTED RECEPTACLE WITH CAST BOX AND WEATHERPROOF COVERPLATE, MOUNTED ONTO A THREADED IMC CONDUIT WITHIN TWENTY-FIVE (25) FEET OF EACH ROOFTOP MECHANICAL UNIT.

X. BRANCH CIRCUITS: UTILIZE #10 CONDUCTORS ON ALL RUNS OVER 100'-0".

Y. MULTIPLE PHASE HOME RUNS MAY SHARE A COMMON NEUTRAL EXCEPT WHEN A DIMMER/DIMMING SYSTEM IS USED, AND WHEN DEDICATED COMPUTER/ EQUIPMENT CONNECTIONS ARE REQUIRED. VERIFY WITH ENGINEER PRIOR TO ROUGH-IN.

Z. SHORT CIRCUIT RATING OF PANELBOARDS AND OVER-CURRENT PROTECTION TO BE COORDINATED WITH UPSTREAM OVER-CURRENT PROTECTION AND AVAILABLE SCA. PROPERLY IDENTIFY ALL PANELBOARDS WITH A LAMINATE LABEL AND TYPE WRITE ALL PANEL SCHEDULES. INSTALL PANELBOARDS AS INDICATED ON DRAWINGS AND SCHEDULES. PROVIDE CIRCUIT BREAKERS AS REQUIRED. USE "HACR" BREAKERS FOR HEATING /AIR CONDITIONING LOADS, PROVIDE GROUND-FAULT CIRCUIT-INTERRUPTER BREAKERS AS REQUIRED.

AA. ALL NEW OR EXISTING SMOKE DETECTORS SHALL BE BAGGED OR REMOVED. IF REMOVED, STORE IN A SEALED BAG UNTIL ALL REMODELING WORK IS COMPLETE. IF SMOKE DETECTORS ARE NOT BAGGED OR REMOVED AND ARE DAMAGED. THEY SHALL BE REPLACED WITH NEW DETECTORS AT CONTRACTOR'S EXPENSE.

AB. EXTEND ALL CONDUIT AND CONDUCTORS, INSTALL ELECTRICAL EQUIPMENT AS NECESSARY, AND MAKE ALL FINAL CONNECTIONS TO MECHANICAL AND OWNER FURNISHED EQUIPMENT. LEAVE ALL EQUIPMENT IN OPERABLE CONDITION WITH APPROPRIATE OVERLOAD AND SERVICE DISCONNECT PROTECTION AS REQUIRED BY THE APPLICABLE CODES. FOLLOW MANUFACTURERS INSTALLATION GUIDELINES. WHERE APPLICABLE.

AC. THE ELECTRICAL CONTRACTOR MUST COORDINATE WITH THE MECHANICAL/PLUMBING/CONTROLS CONTRACTOR TO INSURE THAT ALL REQUIRED COMPONENTS OF CONTROL WORK ARE INCLUDED AND FULLY UNDERSTOOD. NO ADDITIONAL COST SHALL ACCRUE TO THE OWNER AS A RESULT OF LACK OF SUCH COORDINATION.

SYMBOL LEGEND

- CEILING OR WALL BRACKET FIXTURE. SEE FIXTURE SCHEDULE.
- FLUORESCENT OUTLET AND FIXTURE. SEE FIXTURE SCHEDULE.
- E "E" INDICATES FIXTURE TO BE REMAIN
- R "R" INDICATE FIXTURE TO BE REMOVED, SALVAGE & REINSTALL
- EXIT LIGHT. ARROWS INDICATE DIRECTIONAL ARROW ON FIXTURE.
- EM EMERGENCY EGRESS LIGHTING FIXTURE WITH BATTERY PACK, SEE LIGHTING FIXTURE SCHEDULE, MH= 7'- 6" TO BOTTOM
- PUSH BUTTON SWITCH
- PHOTO CELL
- $ SINGLE POLE WALL SWITCH, UP +48".
- $T THERMAL O.L. SWITCH
- $3 THREE WAY SWITCH, UP +48" TO CENTER.
- DUPLEX CONVENIENCE OUTLET, GROUNDING TYPE, UP +18" UNLESS OTHERWISE INDICATED
- FOURPLEX CONVENIENCE OUTLET, GROUNDING TYPE, UP +18" UNLESS OTHERWISE INDICATED
- 250V-2P-4W SPECIAL PURPOSE GROUNDING OUTLET. AMPERAGE AS INDICATED.
- J JUNCTION BOX FLUSH IN WALL WITH CONNECTION TO EQUIPMENT.
- J-BOX ABOVE LAY-IN CEILING W/ FLEX CONDUIT TO LAY-IN FIXTURES
- TELEPHONE OUTLET, UP +18" UNLESS OTHERWISE INDICATED.
- COMBINATION DATA/VOICE, TWO GANG BOX MOUNTED +18" AFF OR COUNTER TOP OR AS NOTED. PROVIDE 3/4" EMPTY CONDUIT WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING SPACE. DATA/VOICE CABLING AND DEVICE BY OWNER.
- TV TELEVISION OUTLET MOUNTED ON WALL. SEE PLANS
- —T— TELEPHONE CONDUIT TO BACKBOARD, 1" MIN. WITH PULL WIRE.
- —C— COMPUTER CONDUIT, 1" MIN. WITH PULL WIRE.
- —TV— TELEVISION CONDUIT, 1" MIN. WITH PULL WIRE.
- F FIRE ALARM PULL STATION UP +48" SEE SPECS AND PLANS
- FS FIRE ALARM STROBE UP +80", SEE SPECS AND PLANS
- FH FIRE ALARM HORN/STROBE UP +80" SEE SPECS AND PLANS
- S FIRE ALARM SMOKE DETECTOR. COMINATION IONIZATION/ PHOTOELECTRIC
- DD FIRE ALARM DUCT DETECTOR.
- HD FIRE ALARM HEAT DETECTOR.
- —FA— FIRE ALARM CONDUIT REFER TO SPECIFICATIONS 16721 AND #14 FOR SIGNAL
- T THERMOSTAT, UP 48" UNLESS OTHERWISE INDICATED.
- DISCONNECT SWITCH. SIZE AND POLES FOR LOAD CONNECTED.NEMA 3R
- SPECIAL SYSTEMS CABINET W/ HINGED DOOR AND KEYED LOCK
- SURFACE MOUNTED PANEL. SEE PANEL SCHEDULE FOR CHARACTERISTICS.
- FLUSH MOUNTED PANEL. SEE PANEL SCHEDULE FOR CHARACTERISTICS.
- T PAD MOUNTED TRANSFORMER
- P MOTOR CONNECTION, FRACTIONAL H.P (LESS THAN 1/3 HP)
- MOTOR CONNECTION WITH HP INDICATED.
- 12 BRANCH CIRCUIT IN WALLS OR CEILING WITH CONDUCTORS INDICATED. (NEUTRAL, HOT, SWITCHED, AND GROUNDING CONDUCTOR-LEFT TO RIGHT RESPECTIVELY)
- BRANCH CIRCUIT IN WALLS OR UNDER FLOOR, CONDUCTORS INDICATED.
- A-1 HOME RUN TO PANEL, WITH BRANCH CIRCUIT NUMBERS INDICATED.
- KEYED NOTE SYMBOL
- MECHANICAL EQUIPMENT SYMBOL
- E "E" INDICATES FIXTURE TO BE REMAIN
- R "R" INDICATE FIXTURE TO BE REMOVED, SALVAGE & REINSTALL

AS BUILT INFORMATION
BENCH MARK
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES
NO. | DATE | BY

REVISIONS/REMARKS
NO. | DATE | BY
1 | DATE: 07/08/11 | FJT
2 | DATE: 07/08/11 | FJT
3 | DATE: 07/08/11 | FJT

DESIGNED BY: FJT
DRAWN BY: FJT
CHECKED BY: FJT

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

TITLE: SYMBOL LEGEND, GENERAL NOTES, & FIXTURE SHEDULE

Design Review Committee | City Engineer Approval | Last Design Update MO./DAY/YR. 07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 26 Of 31 | E-001

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SHEET SPECIFICATIONS

SECTION 16010 - GENERAL PROVISIONS

PART 1 - GENERAL

1.01 SCOPE OF WORK

A. CONFORM WITH APPLICABLE PROVISIONS OF THE GENERAL PROVISIONS, SPECIAL CONDITIONS AND GENERAL REQUIREMENTS.

1.02 REQUIREMENTS

A. FURNISH ALL LABOR, MATERIALS, SERVICE, EQUIPMENT AND APPLIANCES REQUIRED TO COMPLETE THE INSTALLATION OF THE COMPLETE ELECTRICAL SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS AND CONTRACT DRAWINGS.

1.03 REQUIREMENTS OF REGULATORY AGENCIES AND STANDARDS

A. REGULATORY AGENCIES: INSTALLATION, MATERIALS, EQUIPMENT AND WORKMANSHIP SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) - LATEST EDITION OF THE NEW MEXICO STATE CODE, THE NATIONAL ELECTRICAL SAFETY CODE (NESC), AND THE TERMS AND THE CONDITIONS OF THE AUTHORITIES HAVING LAWFUL JURISDICTION PERTAINING TO THE WORK REQUIRED. ALL MODIFICATIONS REQUIRED BY THESE CODES, RULES, REGULATIONS AND AUTHORITIES SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL CHARGE TO THE OWNER.
B. UNDERWRITER'S LABORATORIES (UL): ALL MATERIALS, APPLIANCES, EQUIPMENT OR DEVICES SHALL CONFORM TO THE APPLICABLE STANDARDS OF UNDERWRITER'S LABORATORIES, INC. THE LABEL OF, OR LISTING BY, UL IS REQUIRED.

1.04 DEFINITIONS

A. "INSTALL" SHALL MEAN TO PLACE, FIX IN POSITION, SECURE, ANCHOR, ETC., INCLUDING NECESSARY APPURTENANCES AND LABOR SO THE EQUIPMENT OR INSTALLATION WILL FUNCTION AS SPECIFIED AND INTENDED.
B. "SUPPLY" SHALL MEAN TO PURCHASE AND SUPPLY EQUIPMENT OR COMPONENTS.
C. "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
D. "OR APPROVED EQUAL" SHALL MEAN EQUAL IN TYPE, DESIGN, QUALITY, ETC., AS DETERMINED BY THE ARCHITECT.

PART 2 - PRODUCTS

2.01 EQUIPMENT REQUIREMENTS

A. THE ELECTRICAL REQUIREMENTS FOR EQUIPMENT SPECIFIED OR INDICATED ON THE DRAWINGS ARE BASED ON INFORMATION AVAILABLE AT THE TIME OF DESIGN. IF EQUIPMENT FURNISHED FOR INSTALLATION HAS ELECTRICAL REQUIREMENTS OTHER THAN INDICATED ON THE ELECTRICAL DRAWINGS, THE CONTRACTOR SHALL MAKE ALL ADJUSTMENTS TO WIRE AND CONDUIT SIZE, CONTROLS, OVERCURRENT PROTECTION AND INSTALLATION AS REQUIRED TO ACCOMMODATE THE EQUIPMENT SUPPLIED, WITHOUT ADDITIONAL CHARGE TO THE OWNER. THE COMPLETE RESPONSIBILITY AND COSTS FOR SUCH ADJUSTMENTS SHALL BE ASSIGNED TO THE RESPECTIVE SECTION OF THIS SPECIFICATION UNDER WHICH THE EQUIPMENT IS FURNISHED.

2.02 MATERIALS

A. ALL SIMILAR MATERIALS AND EQUIPMENT SHALL BE THE PRODUCT OF THE SAME MANUFACTURER.

B. WHERE NO SPECIFIC MATERIAL, APPARATUS OR APPLIANCE IS MENTIONED, ANY FIRST-CLASS PRODUCT MADE BY A REPUTABLE MANUFACTURER MAY BE USED, PROVIDING IT CONFORMS TO THE CONTRACT REQUIREMENTS AND MEETS THE APPROVAL OF THE ENGINEER.

C. MATERIAL AND EQUIPMENT SHALL BE THE STANDARD PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTIONS OF SUCH MATERIAL AND SHALL BE THE MANUFACTURER'S CURRENT AND STANDARD DESIGN.

D. ALTITUDE: EQUIPMENT AFFECTED BY ALTITUDE SHALL PERFORM SATISFACTORILY FOR THE FUNCTION INTENDED AT AN ALTITUDE OF THE PROJECT SITE.

PART 3 - EXECUTION

3.01 GENERAL

B. FABRICATION, ERECTION AND INSTALLATION OF THE COMPLETE ELECTRICAL SYSTEM SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER BY QUALIFIED PERSONNEL EXPERIENCED IN SUCH WORK AND SHALL PROCEED IN AN ORDERLY MANNER SO AS NOT TO HOLD UP PROGRESS OF THE PROJECT. THE ELECTRICAL CONTRACTOR SHALL CHECK ALL AREAS AND SURFACES WHERE ELECTRICAL EQUIPMENT MATERIAL IS TO BE INSTALLED, REMOVED OR RELOCATED AND REPORT ANY UNSATISFACTORY CONDITIONS BEFORE STARTING WORK. COMMENCEMENT OF WORK SIGNIFIES THIS CONTRACTOR'S ACCEPTANCE OF EXISTING CONDITIONS. IN THE ACCEPTANCE OR REJECTION OF THE FINISHED INSTALLATION, NO ALLOWANCE WILL BE MADE FOR LACK OF SKILL ON THE PART OF WORKMEN.

3.02 PERFORMANCE TESTS

A. THOROUGHLY TEST ALL FIXTURES, SERVICES AND ALL CIRCUITS FOR PROPER OPERATING CONDITION AND FREEDOM FROM GROUNDS AND SHORT CIRCUITS BEFORE ACCEPTANCE IS REQUESTED. ALL EQUIPMENT, APPLIANCES, AND DEVICES SHALL BE OPERATED UNDER LOAD CONDITIONS.

3.03 AS-BUILT DRAWINGS

A. DURING PROGRESS OF THE WORK, MAINTAIN AN ACCURATE RECORD OF THE INSTALLATION OF THE SYSTEM, LOCATING EACH CIRCUIT PRECISELY BY DIMENSION. UPON COMPLETION OF THE INSTALLATION, TRANSFER ALL RECORD DATA TO BLUE LINE PRINTS OF THE ORIGINAL DRAWINGS.

3.04 DRAWINGS

A. GENERAL: THE ELECTRICAL DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL CONDUIT, EQUIPMENT, ETC. AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHER TRADES WILL PERMIT. THE ARCHITECTURAL DRAWINGS SHALL BE CONSIDERED AS PART OF THE WORK INSOFAR AS THESE DRAWINGS FURNISH THE CONTRACTOR WITH INFORMATION RELATING TO THE DESIGN AND CONSTRUCTION OF THE BUILDING. ARCHITECTURAL DRAWING SHALL TAKE PRECEDENCE OVER ELECTRICAL DRAWINGS. BECAUSE OF THE SMALL SCALE OF THE ELECTRICAL DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK AND SHALL ARRANGE HIS WORK ACCORDINGLY, PROVIDING SUCH FITTINGS, ELBOW, PULLBOXES, AND ACCESSORIES AS MAY BE REQUIRED TO MEET SUCH CONDITIONS.
B. FIELD MEASUREMENTS: THE CONTRACTOR SHALL VERIFY THE DIMENSIONS GOVERNING THE ELECTRICAL WORK AT THE BUILDING. NO EXTRA COMPENSATION SHALL BE CLAIMED OR ALLOWED ON ACCOUNT OF DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND THOSE INDICATED ON THE DRAWINGS.

END OF SECTION 16010

SECTION 16110 - RACEWAYS, BOXES AND FITTINGS

PART 1 - GENERAL

1.01 CONFORMANCE

A. CONFORM WITH APPLICABLE PROVISIONS OF THE GENERAL CONDITIONS, SPECIAL CONDITIONS AND GENERAL REQUIREMENTS.

1.02 RELATED WORK IN OTHER SECTIONS

A. SECTION 16010, GENERAL PROVISIONS; SECTION 16450, GROUNDING.

PART 2 - PRODUCTS

2.01 CONDUITS

A. ELECTRICAL METALLIC TUBING (EMT): MILD STEEL, ZINC COATED ON THE OUTSIDE AND EITHER ZINC COATED OR COATED WITH AN APPROVED CORROSION RESISTANT COATING ON THE INSIDE. MAXIMUM, SIZE 2 INCH ELECTRICAL TRADE SIZE UNLESS NOTED ON THE DRAWINGS OR SPECIFICALLY APPROVED.
B. FLEXIBLE CONDUIT: COMMERCIAL GREENFIELD, GALVANIZED STEEL, WITH A SEPARATE GROUNDING BOND WIRE INSTALLED IN THE CONDUIT IN ADDITION TO OTHER WIRES.
C. LIQUID TIGHT FLEXIBLE CONDUIT: FLEXIBLE GALVANIZED STEEL TUBING WITH EXTRUDED LIQUID TIGHT PVC OUTER JACKET AND A CONTINUOUS COPPER BONDING CONDUCTOR WOUND SPIRALLY BETWEEN THE CONVOLUTIONS. WHERE A SEPARATE GROUNDING CONDUCTOR IS INSTALLED IN THE CONDUIT, BONDING CONDUCTOR IN THE CONVOLUTIONS MAY BE OMITTED.

2.02 CONDUIT FITTINGS

A. CONNECTORS AND COUPLINGS: EMT COUPLINGS AND CONNECTORS EITHER STEEL OR MALLEABLE IRON ONLY. CONNECTORS TO HAVE INSULATED THROATS.
B. BUSHINGS: INSULATED TYPE, DESIGNED TO PREVENT ABRASION OF WIRES WITHOUT IMPAIRING THE CONTINUITY OF THE CONDUIT GROUNDING SYSTEM, FOR CONNECTORS FOR EMT.
C. EMT FITTINGS: IRON OR STEEL ONLY.
D. LIQUID TIGHT FLEXIBLE CONDUIT FITTINGS: WITH THREADED GROUNDING CONE, A STEEL, NYLON OR EQUAL PLASTIC COMPRESSION RING AND A GLAND FOR TIGHTENING. EITHER STEEL OR MALLEABLE IRON ONLY WITH INSULATED THROATS AND MALE THREAD AND LOCKNUT OR MALE BUSHING WITH OR WITHOUT "O" RING SEAT. EACH CONNECTOR SHALL PROVIDE A LOW RESISTANCE GROUND CONNECTION BETWEEN THE FLEXIBLE CONDUIT AND THE OUTLET BOX, CONDUIT OR OTHER EQUIPMENT TO WHICH IT IS CONNECTED.
E. FLEXIBLE CONDUIT FITTINGS (COMMERCIAL GREENFIELD): EITHER STEEL OR MALLEABLE IRON ONLY, WITH INSULATED THROATS.

PART 3 - EXECUTION

3.01 CONDUIT INSTALLATIONS

A. CONDUIT SYSTEMS: EMT CONDUIT UNLESS NOTED. USE FLEXIBLE CONDUIT ONLY FOR MOTOR OR EQUIPMENT CONNECTIONS AND THEN ONLY TO THE EXTENT OF MINIMUM LENGTHS REQUIRED FOR CONNECTIONS. INSTALL FLEXIBLE CONDUIT CONNECTIONS AT ALL RESILENT MOUNTED EQUIPMENT. PROVIDE LIQUID TIGHT FLEXIBLE CONDUIT IN EXTERIOR, WET OR DAMP LOCATIONS AND FOR CONNECTIONS TO THE PIPE MECHANICAL SYSTEM. USE CONDUIT ONLY WHERE APPLICABLE: AT SERVICE ENTRANCE, ETC. USE NM, NMC AND UF CABLING WHERE PERMITTED BY NEC.

3.02 CONDUIT SUPPORTS

A. SUPPORTS: PROVIDE SUPPORTS FOR HORIZONTAL CONDUITS AND EMT NOT MORE THAN 8 FEET APART WITH NOT LESS THAN TWO SUPPORTS FOR EACH 10 FOOT STRAIGHT LENGTH AND ONE SUPPORT NEAR EACH ELBOW OR BEND INCLUDING RUNS ABOVE SUSPENDED CEILINGS AND WITHIN 3 FEET OF ALL JUNCTION BOXES, SWITCHES, FITTINGS, ETC.
B. STRAPS: INSTALL ONE HOLE PIPE STRAPS ON CONDUITS 1 1/2 INCH OR SMALLER. INSTALL INDIVIDUAL PIPE HANGERS FOR CONDUITS LARGER THAN 1 1/2 INCH. SPRING STEEL FASTENERS WITH HANGER RODS MAY BE USED IN DRY LOCATIONS IN LIEU OF PIPE STRAPS.

END OF SECTION 16110

SECTION 16120 - CONDUCTORS

PART 1 - GENERAL

1.01 CONFORMANCE

A. CONFORM WITH APPLICABLE PROVISIONS OF THE GENERAL CONDITIONS, SPECIAL CONDITIONS, AND GENERAL REQUIREMENTS.

PART 2 - PRODUCTS

2.01 WIRES AND CABLES (600 VOLTS)

A. TYPE: COPPER CONDUCTORS WITH 600 VOLTS INSULATION UNLESS OTHERWISE SPECIFIED OR NOTED ON THE DRAWINGS.
B. USE OF ALUMINUM CONDUCTORS WILL NOT BE PERMITTED.
C. INSULATION: TYPE THHN/THWN INSULATION, AND SMALLER UNLESS OTHERWISE SPECIFIED OR NOTED ON THE DRAWINGS.
D. SIZE: NO. 12 MINIMUM UNLESS OTHERWISE SPECIFIED OR NOTED ON THE DRAWINGS.
E. COLOR CODING: COLOR CODING SHALL BE A-BLACK, B-RED, C-BLUE, N-WHITE, FOR 120/208 VOLTS, WITH GREEN FOR ALL GROUND CONDUCTORS.
F. TYPE NM, NMC AND UF CABLES SHALL BE PERMITTED IN ALL CONCEALED AREAS, AND WHERE PERMITTED BY NEC.

2.02 CONNECTORS AND LUGS

A. FOR COPPER CONDUCTORS NO. 6 AND SMALLER: 3M SCOTCH-LOK OR T & B STA-KON COMPRESSION OR INDENT TYPE CONNECTORS WITH INTEGRAL OR SEPARATE INSULATING CAPS.
B. FOR COPPER CONDUCTORS LARGER THAN NO. 6: SOLDERLESS, INDENT, HEX SCREW OR BOLT TYPE PRESSURE CONDUCTORS, PROPERLY TAPED OR INSULATED.

PART 3 - EXECUTION

3.01 SPLICES

A. PERMITTED ONLY AT OUTLETS OR ACCESSIBLE ENCLOSURES.

3.02 CABLE BENDS

A. RADIUS OF ENDS NOT LESS THAN 10 TIMES THE OUTER DIAMETER OF THE CABLE.

END OF SECTION 16120

SECTION 16140 - WIRING DEVICES AND PLATES

PART 1 - GENERAL

1.01 CONFORMANCE

A. CONFORM WILL APPLICABLE PROVISIONS OF THE GENERAL CONDITIONS, SPECIAL CONDITIONS AND GENERAL REQUIREMENTS.

PART 2 - PRODUCTS

2.01 SNAP SWITCHES

A. UNLESS OTHERWISE SPECIFIED, EACH SNAP SWITCH (FLUSH TUMBLER-TOGGLE) SHALL BE OF THE A.C. GENERAL USE TYPE FOR MOUNTING IN A SINGLE GANG SPACING, FULLY RATED 20 AMPERES MINIMUM AT 120/277 VOLTS. IVORY COLOR HANDLES UNLESS OTHERWISE INDICATED ON THE DRAWINGS. SILVER OR SILVER ALLOY CONTACTS.

2.02 RECEPTACLES

A. GENERAL: FIRE RESISTANT, NON-ABSORPTIVE, HOT WELDED, PHENOLIC COMPOSITION OR EQUAL BODIES AND BASES WITH METAL PLASTER EARS (INTEGRAL WITH THE SUPPORTING MEMBER). IVORY COLOR UNLESS OTHERWISE NOTED ON THE DRAWINGS. DOUBLE GRIP CONTACTS FOR EACH PRONG.
B. GROUNDING TYPE: ALL RECEPTACLES SHALL BE GROUNDING TYPE WITH A GREEN COLORED HEXAGONAL EQUIPMENT GROUND SCREW OF ADEQUATE SIZE TO ACCOMODATE AN INSULATED GROUNDING JUMPER

2.03 DEVICE PLATES

A. GENERAL: PROVIDE IVORY PHENOLIC DEVICE PLATES FOR EACH SWITCH, RECEPTACLE, SIGNAL AND TELEPHONE OUTLET.

END OF SECTION 16140

SECTION 16450 - GROUNDING

PART 1 - GENERAL

1.01 RELATED WORK IN OTHER SECTIONS

A. SECTION 16010, GENERAL PROVISIONS; SECTION 16110, RACEWAYS, BOXES AND FITTINGS; SECTION 16120, CONDUCTORS; SECTION 16133, CABINETS; SECTION 16140, WIRING DEVICES AND PLATES; SECTION 16160, PANELBOARDS; SECTION 16170, MOTOR AND CIRCUIT DISCONNECTS; SECTION 16400, SERVICE AND DISTRIBUTION.

PART 2 - PRODUCTS

2.01 GROUNDING SYSTEM

A. MATERIALS, EQUIPMENT AND DEVICES RELATED TO THE GROUNDING SYSTEM ARE SPECIFIED UNDER OTHER SECTIONS OF THESE SPECIFICATIONS.

PART 3 - EXECUTION

3.01 EQUIPMENT GROUNDING SYSTEM

A. GENERAL: PROVIDE A COMPLETE EQUIPMENT GROUNDING SYSTEM IN ACCORDANCE WITH THE MINIMUM CODE REQUIREMENTS AND AS FURTHER INDICATED ON THE DRAWINGS OR SPECIFIED. THE EQUIPMENT GROUND (GREEN CONDUCTOR) CONSISTS OF METALLIC CONDITIONS TO GROUND OF NON-CURRENT CARRYING METAL PARTS OF THE WIRING SYSTEM OR APPARATUS CONNECTED TO THE SYSTEM. THE PRIMARY PURPOSE OF EQUIPMENT GROUNDING IS TO PROVIDE GREATER SAFETY BY LIMITING THE ELECTRICAL POTENTIAL BETWEEN NON-CURRENT CARRYING PARTS OF THE SYSTEM TO PROVIDE A LOW IMPEDANCE PATH TO GROUND FOR POSSIBLE GROUND FAULT CURRENT S.

3.02 GROUNDING CONDUCTORS

A. EQUIPMENT GROUNDING CONDUCTORS SHALL BE GREEN INSULATED CONDUCTORS EQUIVALENT TO THE INSULATION ON THE ASSOCIATED PHASE CONDUCTOR, BUT NOT LESS THAN TYPE TW. THE EQUIPMENT GROUNDING CONDUCTOR OR STRAPS SHALL BE SIZED IN ACCORDANCE WITH NEC. WHERE ONE FEEDER SERVES A SERIES OF PANELBOARDS OR TRANSFORMERS, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES. GROUNDING CONDUCTORS SHALL NOT BE INSTALLED THROUGH METAL-SHEATHED HOLES. ALL CONNECTIONS SHALL BE AVAILABLE FOR INSPECTION AND MAINTENANCE.

3.03 GROUND CONNECTIONS

A. CLEAN SURFACES THOROUGHLY BEFORE APPLYING GROUND LUGS OR CLAMPS. IF SURFACE IS COATED THE COATING MUST BE REMOVED DOWN TO THE BASE METAL. AFTER THE COATING HAS BEEN REMOVED, APPLY A NON-CORROSIVE APPROVED COMPOUND TO CLEANED SURFACE AND INSTALL LUGS OR CLAMPS. WHERE GALVANIZING IS REMOVED FROM METAL, IT SHALL BE PAINTED OR TOUCHED UP WITH "GALVANOX", OR EQUAL.

END OF SECTION 16450

SECTION 16500 - LIGHTING EQUIPMENT

PART 1 - GENERAL

1.01 CONFORMANCE

A. CONFORM WITH APPLICABLE PROVISIONS OF THE GENERAL CONDITIONS, SPECIAL CONDITIONS, AND GENERAL REQUIREMENTS.

1.02 SUBMITTALS

A. SUBMIT FOR APPROVAL COMPLETE SHOP DRAWINGS, CATALOG CUTS, SPECIAL INSTALLATION INSTRUCTIONS, PHOTOMETRIC DATA AND DESCRIPTIVE LITERATURE.

PART 2 - PRODUCTS

2.01 GENERAL

A. FURNISH ALL LIGHTING FIXTURES THROUGHOUT THE TYPE INDICATED ON THE DRAWINGS, COMPLETE WITH LAMPS, SOCKETS, WIRING, FITTERS, HANGERS, PLASTER RINGS, CANOPIES, ETC., AS REQUIRED.

2.02 LAMPS

A. FLUORESCENT LAMPS SHALL BE SYLVANIA OCTRON T8, SIMILAR AND EQUAL.
B. INCANDESCENT LAMPS SHALL BE INSIDE FROSTED, MEDIUM BASE, EXTENDED SERVICE, 130 VOLT UNLESS OTHERWISE NOTED.

2.03 BALLASTS

A. BALLASTS FOR ALL FLUORESCENT FIXTURES SHALL BE OF THE ELECTRONIC SOLID STATE TYPE.

2.04 FLUORESCENT FIXTURES

A. ALL FIXTURES, BALLASTS, AND SUPPORTS SHALL BE QUIET IN OPERATION. LOUVERS, SHIELDS, REFLECTORS AND ALL SECTIONS OF THE CHANNEL STRUCTURE SHALL BE SECURELY HELD IN POSITION.

PART 3 - EXECUTION

3.01 SUPPORTS

A. SUPPORT CEILING FIXTURES TO METAL SUPPORTS PROVIDED FOR THAT PURPOSE OF SUITABLE STRENGTH AND STABILITY, ADEQUATELY ATTACHED TO AND SUPPORTED BY JOISTS, TRUSSES, OR OTHER STRUCTURAL MEMBERS.

3.02 CLEAN-UP

A. AT FINAL INSPECTION ALL FIXTURES AND LIGHTING EQUIPMENT SHALL BE IN FIRST CLASS OPERATING ORDER, IN PERFECT CONDITION AS TO FINISH AND FREE FROM DEFECTS, COMPLETELY LAMPED, CLEAN AND FREE FROM DUST, PLASTER OR PAINT SPOTS AND COMPLETE WITH THE REQUIRED GLASSWARE, REFLECTORS, SIDE PANELS, LOUVERS OR OTHER COMPONENTS NECESSARY TO COMPLETE THE FIXTURES.

END OF SECTION 16500

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARK

FREDERICK J. TELCK
STATE OF NEW MEXICO
6297
REGISTERED PROFESSIONAL ENGINEER
07/08/11

NO.	DATE	REVISIONS/REMARKS	BY
		DESIGNED BY: FJT	DATE: 07/08/11
		DRAWN BY: ACE	DATE: 07/08/11
		CHECKED BY: FJT	DATE: 07/08/11

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

TITLE: SHEET SPECIFICATIONS

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
				07/08/11

City Project No. P7997.03
Zone Map No. B-17-Z
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E-002

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GENERAL NOTES

THESE NOTES SHALL APPLY TO ENTIRE PROJECT.

A. THE CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WITH EXISTING CONDITIONS, PRIOR TO BID, AND SHALL INCLUDE ALL WORK REQUIRED TO COMPLETELY DISCONNECT ASSOCIATED EQUIPMENT AND TO COMPLETELY REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING, WHERE REQUIRED.

B. ELECTRIICAL CONTRACTOR SHALL REMOVE, CLEAN AND REINSTALL ALL LIGHT FIXTURES REQUIRED BY MECHANICAL FOR INSTALLATION OF HVAC SYSTEM. COORDINATE WITH MECHANICAL TO AVOID ANY CONFLICTS.

C. COMPUTER/DATA/PHONE CABLES SHALL BE REROUTED IF NECESSARY. CABLES SHALL BE RELOCATED PER OWNER REPRESENTATIVE REQUIREMENTS.

D. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ELECTRICAL EQUIPMENT TO BE REMOVED.

F. ALL EQUIPMENT REMOVED, NOT CLAIMED BY THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY DISPOSE OF ELECTRICAL EQUIPMENT REMOVED.

G. NOT ALL BUILDING DETAILS AND BRANCH CIRCUIT CONDUIT/WIRING TO BE REMOVED ARE SHOWN ON THE PLANS. THE CONTRACTOR MAY REQUEST, AT HIS DISCRETION, TO REVIEW EXISTING ELECTRICAL, MECHANICAL, AND ARCHITECTURAL PLANS, AT THE OFFICE OF THE ARCHITECT.

H. COORDINATE DEMOLITION FOR EXISTING ELECTRICAL EQUIPMENT BEING REMOVED. ALL ELECTRICAL EQUIPMENT DOWNSTREAM, WHICH REMAIN, AND OUT OF THE DEMOLITION AREA, SHALL REMAIN "ON" AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE GENERAL DEMOLITION WITH THE OWNER TO AVOID PROBLEMS WITH CIRCUITS BEING DISCONNECTED AND REMOVED WHICH MAY AFFECT OTHER AREAS OUTSIDE OF THE WORK AREA.

J. THE CONTRACTOR SHALL FIELD SURVEY OUTLETS TO REMOVE AND WHICH OUTLETS OR DEVICES REMAIN PRIOR TO BID. NOT ALL OUTLETS/DEVICES TO BE REMOVED ARE SHOWN ON THE PLAN. DURING DEMO PROCESS, COORDINATE REMOVALS WITH ARCHITECT IN THE FIELD. RE-FEED ALL OUTLETS THAT ARE DISCONNECTED DURING DEMO THAT SHALL REMAIN TO NEAREST AVAILABLE RECEPTACLE CIRCUIT. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY CAPACITY OF CIRCUITS TO COMBINE NEW AND EXISTING RECEPTACLES AND INTERCEPTED CIRCUITS. COMPLY AS REQUIRED FOR CODE RESTRICTIONS AND SPECS.

K. THE CONTRACTOR SHALL SURVEY SPACES ABOVE CEILING FOR UPGRADE WORK OF DEFICIENT EXISTING ELECTRICAL EQUIPMENT. THIS REMEDIAL ABOVE CEILING WORK MAY INCLUDE PROVIDING ADEQUATE CONDUIT SUPPORTS, REPLACING CODE DEFICIENT FLEXIBLE ELECTRICAL POWER CABLE, PROVIDING MISSING JUNCTION BOX COVERS, REPAIRING BROKEN OR SEPARATED CONDUIT, AND PROVIDING EXTENSION RINGS FOR OVER-CROWDED JUNCTION BOXES. ALL THIS WORK SHALL BE INCLUDED IN THE BID PRICE.

L. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESOLVE DEFICIENT CABLE RELATED WORK IN EXPOSED CEILING AREAS. THIS MAY INCLUDE ITEMS SUCH AS SUPPORT OF EXISTING CABLE AND REPLACEMENT OF NON-PLENUM RATED CABLE OR REMOVAL OF ABANDONED CABLES.

M. NOT ALL OUTLETS/DEVICES TO REMAIN ARE SHOWN ON THE PLAN. DURING THE DEMO PROCESS, COORDINATE REMAINING DEVICES WITH ARCHITECT IN THE FIELD. RE-FEED ALL OUTLETS/DEVICES TO REMAIN THAT ARE DISCONNECTED DURING DEMO.

N. EVERYWHERE IN THIS AREA, FOR THE DURATION OF THE PROJECT, THE CONTRACTOR IS RESPONSIBLE FOR DISCONNECT AND RECONNECT OF BRANCH CIRCUITS AND REPLACEMENT OF ELECTRICAL MATERIALS AND LABOR TO RESTORE COMPLETE AND OPERATIONAL SYSTEMS. THIS INCLUDES THE CORRECTION OF ANY CODE DEFICIENCIES RELATED TO RENOVATIONS ON THIS PROJECT.

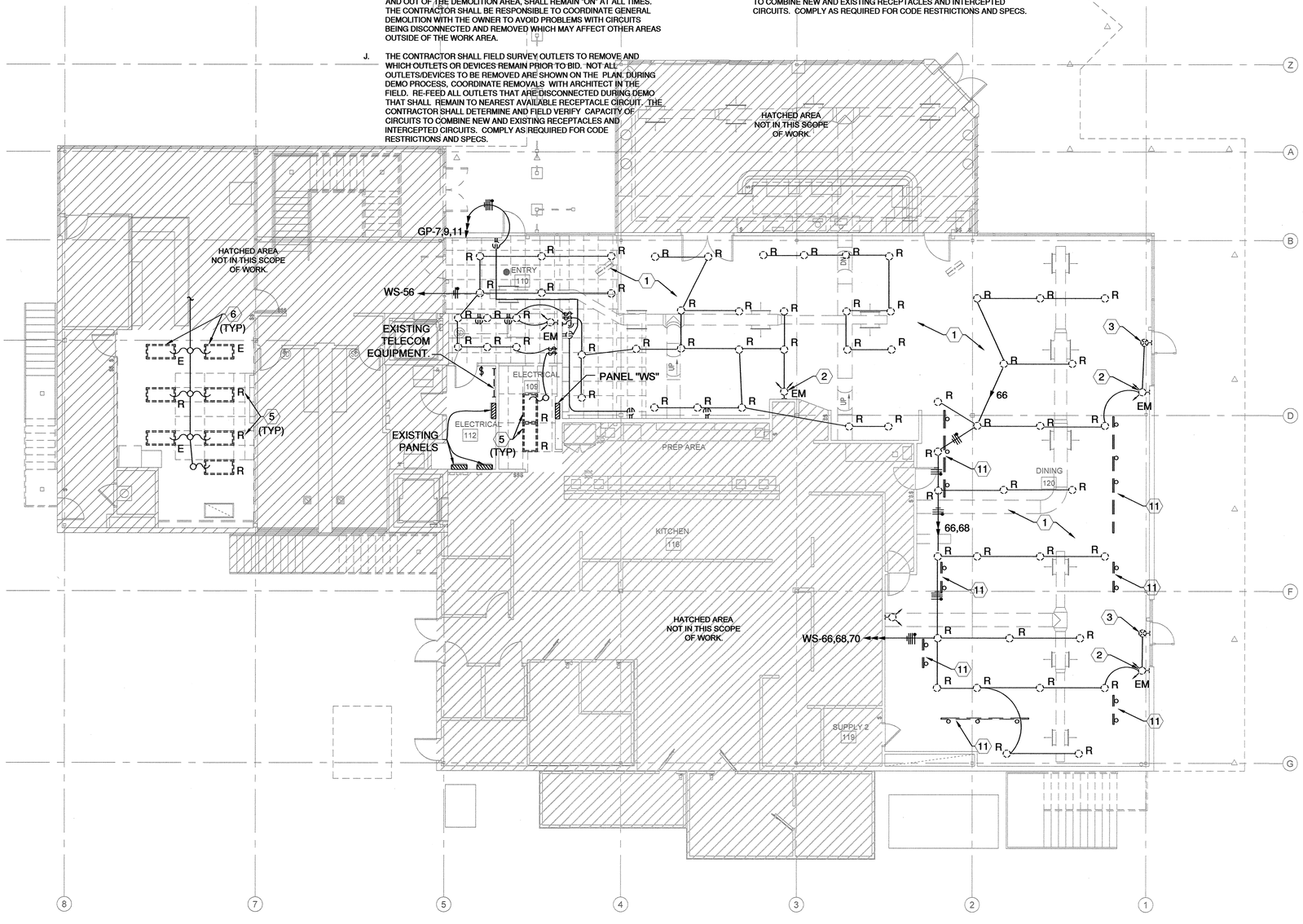
O. COORDINATE WITH ARCHITECT/ENGINEER AND FIELD VERIFY STATUS OF DEVICES, OUTLETS, CONDUIT AND WIRE AS A RELOCATION, DEMOLITION, OR TO REMAIN. FIELD VERIFY RE-FEEDING EXISTING DEVICES, RE-ROUTING OR NEW CIRCUITING. FIELD VERIFY CAPACITY OF CIRCUITS TO COMBINE NEW AND EXISTING RECEPTACLES AND INTERCEPTED CIRCUITS. COMPLY AS REQUIRED FOR CODE RESTRICTIONS AND SPECS.

P. PROVIDE NEW CIRCUIT BREAKERS OF THE SAME TYPE OR BLANK SPACE COVERS AS MAY BE NECESSARY TO FILL PANEL FOR SAFETY. FIELD SURVEY CIRCUITS THAT MAY BE ABANDONED. RELOCATE, IF NECESSSARY, CIRCUIT RUNS EXPOSED BY DEMO WORK THAT SHALL BE KEPT OPERATIONAL.

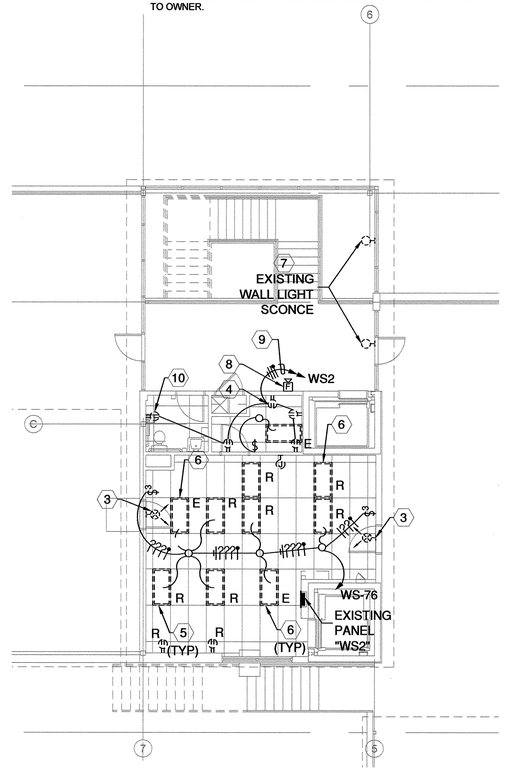
Q. DISCONNECT POWER TO ELECTRICAL CIRCUITS AND EQUIPMENT IN THESE AREAS ENTIRELY BACK TO PANEL CIRCUIT BREAKER. DISCONNECT AND REMOVE ALL EXISTING CONDUIT, CONDUCTORS, CABLE, CONTROLS, AND BOXES, ETC. FOR THIS DEMO. THE ONLY EXCEPTION WILL BE FOR NEW CONTROLS AND DEVICES WHERE EXISTING AND UNDAMAGED BOXES/CONDUIT CAN BE UTILIZED BY THE CONTRACTOR. THE CONTRACTOR SHALL REFER TO NEW WORK PLANS AND SPECIFICATIONS IN ALL DIVISIONS THAT RELATE TO ELECTRICAL WORK IN THIS PROJECT. COORDINATE DEMOLITION AND INSTALLATION WITH FIELD CONDITIONS AS THEY MAY APPLY. ALL EQUIPMENT SHALL BE MADE OPERATIONAL-NO EXCEPTIONS. COORDINATE WITH REPRESENTATIVES OF THE OWNER, ARCHITECT, AND ENGINEERS FOR CONDUIT LOCATION AND TERMINATION POINTS IF NOT SPECIFIED ON PLANS.

KEYED NOTES ⬡

1. DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL DEVICES AND ASSOCIATED BRANCH CIRCUIT CONDUIT AND WIRE AS INDICTED UNLESS OTHERWISE NOTED TO REMAIN. REFER TO THE DEMOLITION GENERAL NOTES THIS SHEET.
2. EXISTING EMERGENCY LIGHT FIXTURE REMAINS. REMOVE EXISTING BRANCH CIRCUIT CONDUIT AND WIRE AND RE-CONNECT TO THE NEW 277V LIGHTING BRANCH CIRCUIT AS INDICATED ON THE NEW WORK PLANS.
3. EXISTING EXIT LIGHT FIXTURE REMAINS. REMOVE EXISTING BRANCH CIRCUIT CONDUIT AND WIRE AND RE-CONNECT TO THE NEW 277V LIGHTING BRANCH CIRCUIT AS INDICATED ON THE NEW WORK PLANS.
4. EXISTING DUPLEX RECEPTACLE AND ASSOCIATED BRANCH CIRCUIT CONDUIT AND WIRE IN KITCHEN REMAINS.
5. EXISTING 2X4 LAY-IN TROFFER. DISCONNECT, REMOVE AND SALVAGE FOR RE-INSTALLATION IN NEW LOCATION (AS INDICTED BY "R"). REFER TO THE NEW NEW WORK PLANS.
6. EXISTING 2X4 LAY-IN TROFFER REMAINS (AS INDICATED BY "E"). REMOVE EXISTING BRANCH CIRCUIT CONDUIT AND WIRE AND RE-CONNECT AS INDICATED ON THE NEW WORK PLANS.
7. EXISTING WALL SCONCE INDIRECT HID FIXTURE AND ASSOCIATED BRANCH CIRCUIT CONDUIT AND WIRE REMAINS.
8. DISCONNECT AND REMOVE EXISTING BRANCH CIRCUIT CONDUIT AND WIRE. MAINTAIN CONTINUITY OF BRANCH CIRCUIT.
9. DISCONNECT AND REMOVE EXISTING HOMERUN BRANCH CIRCUIT IN CONFLICT WITH DEMOLITION OF WALL. MAINTAIN CONTINUITY OR BRANCH CIRCUIT. RE-FEED EXISTING DUPLEX RECEPTACLES THAT ARE TO REMAIN.
10. EXISTING DUPLEX RECEPTACLE REMAINS. RE-FEED AND MAINTAIN CONTINUITY OF THE RECEPTACLE BRANCH CIRCUIT.
11. DISCONNECT AND REMOVE EXISTING TRACK LIGHT AND ASSOCIATED BRANCH CIRCUIT CONDUIT AND WIRE COMPLETE. SALVAGE TRACK LIGHT AND FIXTURES TO OWNER.



A1 FIRST FLOOR DEMOLITION ELECTRICAL PLAN
1/8" = 1'-0"



B5 SECOND FLOOR DEMOLITION ELECTRICAL PLAN
1/8" = 1'-0"

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AS BUILT INFORMATION
BENCH MARK
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

SURVEY INFORMATION
FIELD NOTES
NO. DATE BY

REVISIONS/REMARKS
NO. DATE BY
DESIGNED BY: FJT DATE: 07/08/11
DRAWN BY: ACE DATE: 07/08/11
CHECKED BY: FJT DATE: 07/08/11

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

TITLE: FIRST & SECOND FLOOR DEMOLITION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
				07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 28 Of 31 | ED-101

LIGHTING ENERGY POWER BUDGET CALCULATIONS

NEW INTERIOR LIGHTING LOAD = 3,660 WATTS. BUILDING AREA = 4,092 SF.
LIGHTING DENSITY = 3,660 WATTS / 4,092 SF = 0.89 W/SF. I, FRED J. TELCK, DO CERTIFY THAT THE LIGHTING ENERGY POWER DENSITY DOES NOT EXCEED 0.9 W/SF AND MEETS THE 2009 ALBUQUERQUE INTERNATIONAL ENERGY CONSERVATION CODE LIGHTING ENERGY POWER BUDGET PER TABLE 505.5.2, OFFICE SPACE.
DATE: 07/07/2011

GENERAL NOTES

A. ALL LAY-IN GRID TROFFERS SHALL HAVE FLEXIBLE CONDUIT CONNECTION WITH MINIMUM #12 BRANCH CIRCUITS AND MINIMUM #12 GROUND - NO EXCEPTIONS.

B. EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED MAXIMUM 8'-0" AFF.

C. PROVIDE DUAL LEVEL SWITCHING AND/OR OCCUPANCY SENSORS FOR LIGHT FIXTURES IN OFFICES AS INDICATED ON THE PLANS. THE DUAL LEVEL SWITCHING SHALL CONSIST OF SWITCHING INNER LAMP SEPARATELY FROM OUTER LAMPS OF LIGHTS.

D. ALL DEVICE PLATES SHALL BE BRUSHED STAINLESS STEEL TYPE. ALL DEVICES SHALL BE IVORY IN COLOR.

E. COORDINATE THE EXACT LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.

F. ALL SWITCHES SHALL BE PROVIDED WITH PERMANENT LABELING IDENTIFYING PANEL AND BRANCH CIRCUIT CONNECTED TO.

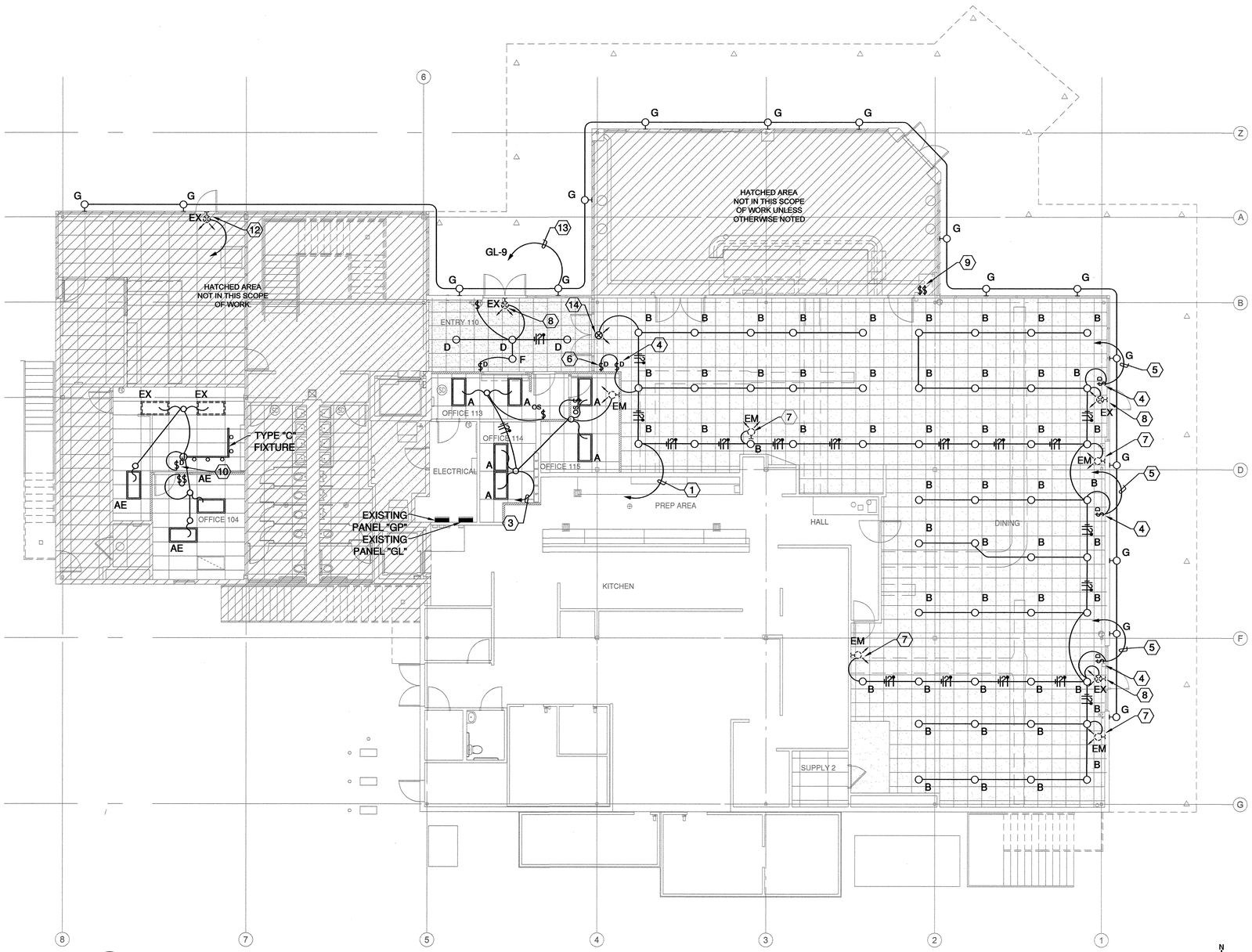
G. ALL HOMERUNS OVER 100' TO BE MINIMUM 3/4"C WITH MINIMUM #10 BRANCH CIRCUITS.

H. ALL EXTERIOR BUILDING MOUNTED LIGHT FIXTURES SHALL COMPLY WITH NEW MEXICO DARK SKIES ACT. REFER TO THE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATION PRIOR TO ROUGH-IN OF FIXTURES.

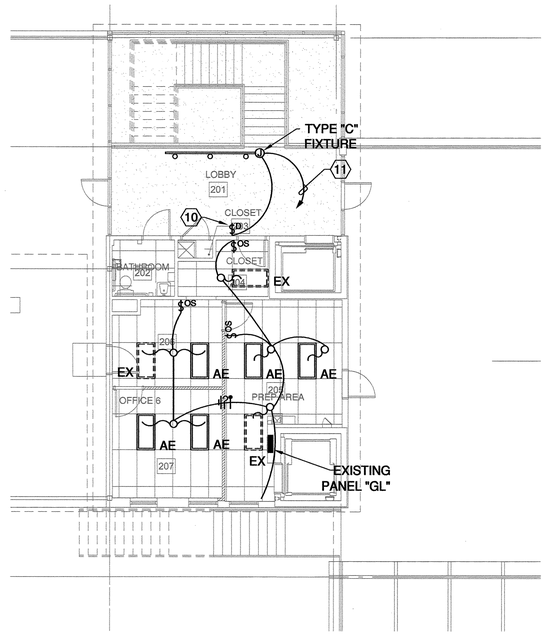
I. ALL LIGHTING BRANCH CIRCUITS SHALL BE MINIMUM 2#12 + 1#12GR IN .5"C UNLESS OTHER INDICATED.

KEYED NOTES ⬡

1. EXTEND NEW 277V LIGHTING BRANCH CIRCUIT TO SPARE 20A/1P CIRCUIT BREAKER IN EXISTING PANEL "GL". UPDATE PANEL DIRECTORY.
2. CONNECT NEW 120V LIGHTING BRANCH CIRCUIT TO EXISTING LIGHTING BRANCH CIRCUIT. FIELD VERIFY WITH EXISTING CONDITIONS.
3. CONNECT NEW 120V SWITCHED LIGHTING BRANCH CIRCUIT TO EXISTING CIRCUIT. FIELD VERIFY WITH EXISTING CONDITIONS.
4. NEW COMPACT FLUORESCENT DIMMING SWITCH, LUTRON SPACER #SPSF-6AM-277, SIMILAR AND/OR EQUAL, MULTI-LOCATION TYPE.
5. NEW .75"C WITH LOW VOLTAGE CONDUCTORS AS REQUIRED. EXTEND TO RESPECTIVE MULTI-LOCATION DIMMER SWITCH, KEYNOTE 6.
6. PROVIDE FOUR (4) MULTI-LOCATION DIMMER SWITCHES, LUTRON #SPS-AD-277. CONNECT PER THE MANUFACTURERS RECOMMENDATIONS AND WIRING DIAGRAMS.
7. EXISTING EMERGENCY LIGHT FIXTURE. RECONNECT TO NEW UNSWITCHED LIGHTING BRANCH CIRCUIT.
8. EXISTING EXIT LIGHT FIXTURE. RECONNECT TO NEW UNSWITCHED LIGHTING BRANCH CIRCUIT.
9. EXISTING SWITCHES FOR CEILING FANS WITH LIGHT KITS. THE SWITCHES PRESENTLY ARE DIMMER SWITCHES WHICH CONTROL BOTH THE FANS AND THE LIGHTS. DISCONNECT THE CEILING FANS FROM THE DIMMER SWITCHES AND PROVIDE NEW VARIABLE SPEED CONTROL SWITCHES FOR THE CEILING FANS AND PROVIDE ADDITIONAL BRANCH CIRCUIT WIRING IN THE EXISTING CONDUITS TO CONTROL THE CEILING FANS INDEPENDENT OF THE LIGHT KITS ON EACH CEILING FAN. TYPICAL OF FOUR (4) CEILING FANS. COORDINATE WITH EXISTING FIELD CONDITIONS.
10. NEW LED DIMMER SWITCH, LUTRON LUMEA #LGCL-153P-WH, SIMILAR AND/OR EQUAL.
11. EXTEND NEW 277V BRANCH CIRCUIT TO CLOSEST EXISTING 277V UNSWITCHED LIGHTING BRANCH CIRCUIT. FIELD VERIFY.
12. NEW EXIT LIGHT FIXTURE. CONNECT TO CLOSEST UNSWITCHED LIGHTING BRANCH CIRCUIT.
13. EXTEND NEW EXTERIOR LIGHTING TO SPARE 20A/1P CIRCUIT BREAKER IN EXISTING PANEL "GL", THROUGH NEW TIME CLOCK. UPDATE PANEL DIRECTORY.
14. RE-INSTALL EXISTING EXIT LIGHT PREVIOUSLY REMOVED AND INSTALL SURFACE TO CEILING.



A1 FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"



B5 SECOND FLOOR LIGHTING PLAN
1/8" = 1'-0"

AS BUILT INFORMATION
BENCH MARK
CONTRACTOR DATE:
WORK STAKED BY DATE:
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SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

FREDERICK J. TELCK — STATE OF NEW MEXICO — 6297 — REGISTERED PROFESSIONAL ENGINEER — 07-07-11

REVISIONS/REMARKS
NO. | DATE | BY
DESIGNED BY: FJT — DATE: 07/08/11
DRAWN BY: JPW — DATE: 07/08/11
CHECKED BY: FJT — DATE: 07/08/11

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

TITLE: FIRST & SECOND FLOOR LIGHTING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR	MO./DAY/YR
				07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 29 Of 31 | EL-101

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GENERAL NOTES

A. ALL DEVICE PLATES SHALL BE BRUSHED STAINLESS STEEL TYPE. ALL DEVICES SHALL BE IVORY IN COLOR.

B. ALL RECEPTACLES SHALL BE PROVIDED WITH PERMANENT LABELING IDENTIFYING PANEL AND BRANCH CIRCUIT CONNECTED TO.

C. ALL OUTLETS TO BE MOUNTED IN CONFORMANCE WITH ADA RULES AND REGULATIONS.

D. COORDINATE OUTLET HEIGHTS AND LOCATION WITH ARCHITECTURAL INTERIOR ELEVATIONS (CASEWORK, SINKS, LAVATORIES, ETC.)

E. ALL DUPLEX OUTLETS LOCATED WITHIN 6' OF ALL SINKS, IN ALL RESTROOMS, IN ALL JANITOR CLOSETS, EXTERIOR OF BUILDING, ON THE ROOF AND, ELSEWHERE AS DICTATED BY NEC, SHALL BE 20A GFI TYPE.

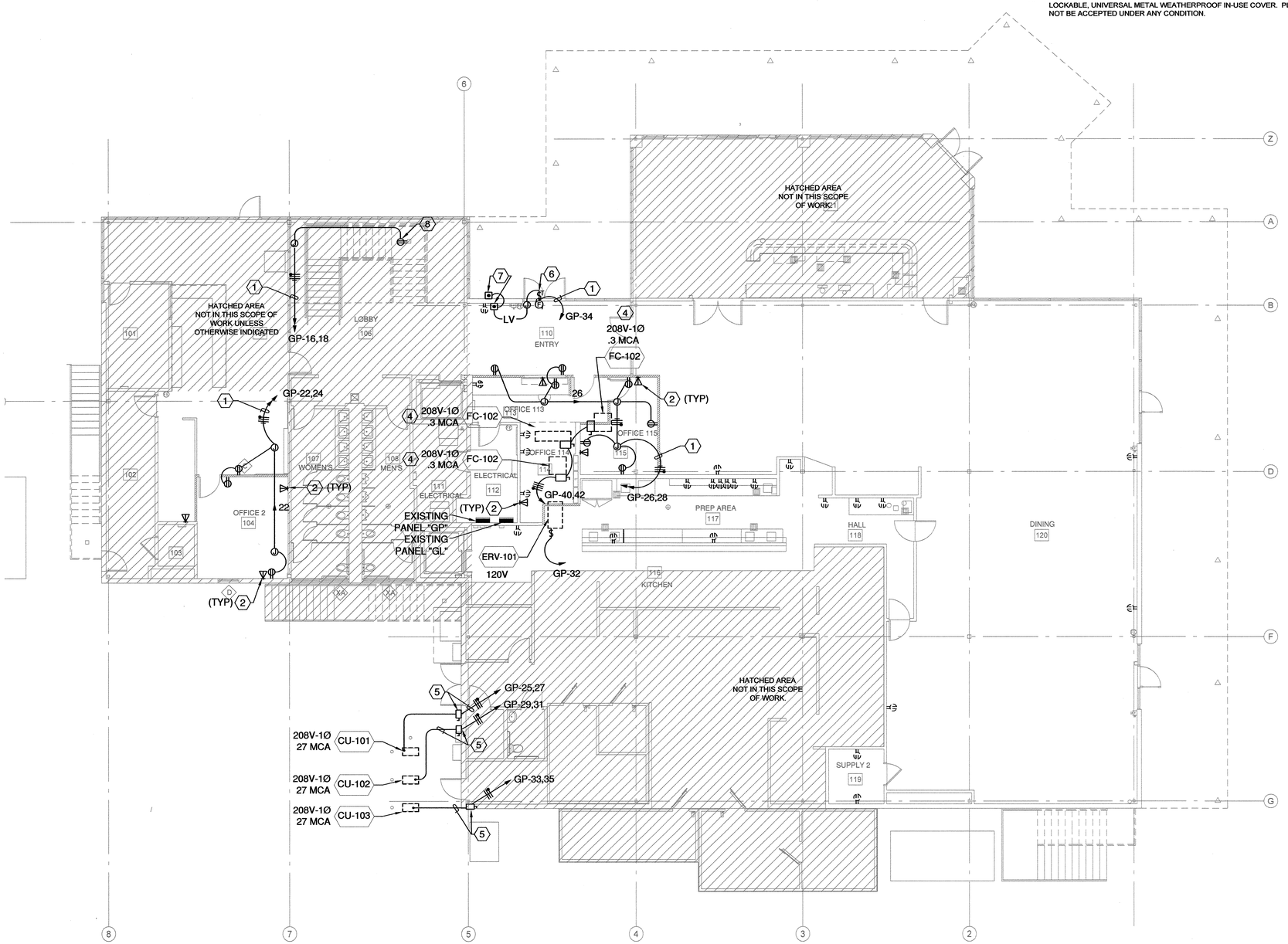
F. ALL HOMERUNS OVER 100' TO BE MINIMUM 3/4"C WITH MINIMUM #10 BRANCH CIRCUITS.

G. ALL BRANCH CIRCUITS SHALL BE MINIMUM 2#12 + 1#12 GROUND IN .5" CONDUIT, UNLESS OTHERWISE INDICATED.

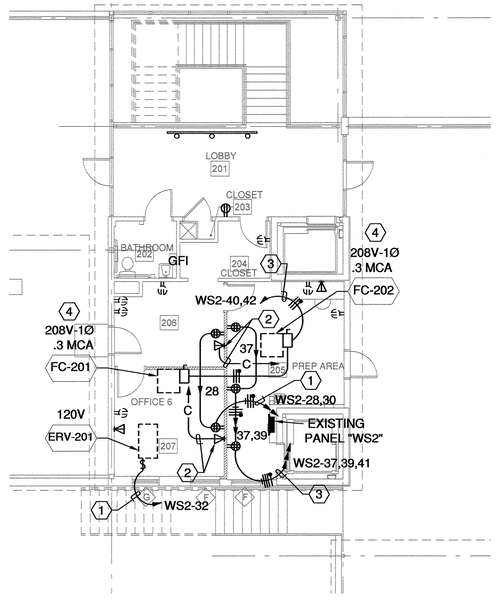
H. ALL WEATHERPROOF DUPLEX RECEPTACLES SHALL BE PROVIDED WITH LOCKABLE, UNIVERSAL METAL WEATHERPROOF IN-USE COVER. PLASTIC WILL NOT BE ACCEPTED UNDER ANY CONDITION.

KEYED NOTES

1. EXTEND NEW 120V BRANCH CIRCUITS TO EXISTING PANEL "GP". PROVIDE NEW 20A/1P CIRCUIT BREAKERS IN SPACE OF EXISTING PANEL. REFER TO THE PANEL SCHEDULE FOR DETAILS.
2. NEW TELECOMMUNICATIONS OUTLET, TWO (2) GANG, EXTRA DEEP WITH MUD RING FOR SINGLE GANG DEVICE PLATE. PROVIDE EMPTY 1"C WITH PULL STRING TO ABOVE THE CLOSEST ACCESSIBLE LAY-IN CEILING. PROVIDE BLANK STAINLESS STEEL COVER PLATE ON THE BOX.
3. EXTEND NEW RECEPTACLE BRANCH CIRCUITS TO EXISTING PANEL "WS2". PROVIDE NEW 20A/1P CIRCUIT BREAKERS IN SPACE OF EXISTING PANEL. REFER TO THE PANEL SCHEDULE FOR DETAILS.
4. 30A/2P, 240V, HD, NON-FUSIBLE DISCONNECT SWITCH IN NEMA 1 ENCLOSURE. MOUNT AT THE NEW FAN COIL UNIT AND CONNECT TO THE LUGS AT THE CONTROL PANEL. COORDINATE LOCATION AND REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN.
5. 30A/2P, 240V, HD, FUSIBLE DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. PROVIDE CONNECTIONS TOT HE LUGS AT THE CONTROL PANEL. COORDINATE LOCATION AND REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN.
6. NEW MOTORIZED DOOR. PROVIDE POWER AND CONTROL WIRING FOR A COMPLETE AND OPERATIONAL INSTALLATION. COORDINATE WITH THE MOTORIZED DOOR MANUFACTURERS WIRING DIAGRAMS. NEW 120V BRANCH CIRCUIT SHALL BE ROUTED EXPOSED ON THE EXISTING WALL TO THE TOP OF THE DOOR JAMB FOR CONNECTION TO THE MOTORIZED DOOR EQUIPMENT.
7. NEW MOTORIZED DOOR PUSHBUTTONS. COORDINATE ROUTING OF CONDUIT WITH EXISTING FIELD CONDITIONS. PROVIDE WIREMOLD #700 SURFACE RACEWAY SYSTEM WHERE EXPOSED ON WALL. PAINT COLOR TO MATCH WALL.
8. NEW DUPLEX OUTLET FOR VENDING MACHINES. PROVIDE EACH OUTLET OF THE DUPLEX RECEPTACLE ON A SEPARATE DEDICATED CIRCUIT. INSTALL OUTLET ON THE EXISTING COLUMN AND COORDINATE ROUTING WITH EXISTING FIELD CONDITIONS. VERIFY LOCATION WITH ARCHITECT IN FIELD PRIOR TO ROUGH-IN.



A1 FIRST FLOOR POWER & S.S. PLAN
1/8" = 1'-0"



B5 SECOND FLOOR POWER & S.S. PLAN
1/8" = 1'-0"

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE
AT BALLOON FIESTA PARK

TITLE: FIRST FLOOR POWER PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR	MO. / DAY / YR
				07/08/11

City Project No.	Zone Map No.	Sheet:
P7997.03	B-17-Z	30 Of 31 EP-101

PANEL SCHEDULE

PANEL: "GP" **LOCATION: BALLOON FIESTA** **VOLTS:** 120 / 208 **3 PH 4 W**
NO. POLES: 42 **ELECTRICAL ROOM 1ST FLOOR** **MAIN CIRCUIT BREAKER - 150A/3P**
BUS RATING: 250A **10 KA MINIMUM INTERRUPTING CAP.** **MOUNTING**: SURFACE - TOP FEED
EXISTING PANEL - SIEMENS S1 VINTAGE 2001

DESCRIPTION	LOAD	TYPE	BRKR	P	CKT	PH	CKT	P	BRKR	TYPE	LOAD	DESCRIPTION
RECEPTACLES	1440	R	20/1	1	1	A	2	1	20/1	R	840	RECEPTACLES
RECEPTACLES	1440	R	20/1	1	3	B	4	1	20/1	A	520	RECEPTACLES
RECEPTACLES	1440	R	20/1	1	5	C	6	1	20/1	A	1900	RECEPTACLES
RECEPTACLES	900	R	20/1	1	7	A	8	1	20/1	R	840	RECEPTACLES
RECEPTACLES	720	R	20/1	1	9	B	10	1	20/1	A	1540	RECEPTACLES
RECEPTACLES	900	R	20/1	1	11	C	12	1	20/1	A	960	AIR CURTAIN
RECEPTACLES	400	R	20/1	1	13	A	14	1	20/1	A	960	EXHAUST FAN
VAV-1,2,3,4	100	M	20/1	1	15	B	16	1	20/1	A	1630	RECEPTACLES
EC-1,2	300	M	20/1	1	17	C	18	1	20/1	A	1900	RECEPTACLES
WATER HEATER	216	M	20/1	1	19	A	20	1	20/1	A	1120	SPARE
AC-2	2174	M	30/2	2	21	B	22	1	20/1	R	720	RECEPT - OFFICE 104 (NEW LOAD)
	2471	M			23	C	24	1	20/1	R	720	RECEPT - OFFICE 104 (NEW LOAD)
CU-101	**2808**	**M**	**35/2**	**2**	25	A	26	1	20/1	R	720	RECEPT - OFFICE 114 (NEW LOAD)
208V-1PH 27 MCA	**2808**	**M**			27	B	28	1	20/1	R	720	RECEPT - OFFICE 113 (NEW LOAD)
CU-102	**2808**	**M**	**35/2**	**2**	29	C	30	1	20/1	R	720	RECEPT - OFFICE 115 (NEW LOAD)
208V-1PH 27 MCA	**2808**	**M**			31	A	32	1	20/1	M	300	ERV-101
CU-103	**2808**	**M**	**35/2**	**2**	33	B	34	1	20/1	R	900	RECEPTACLE - VENDING MACHINE
208V-1PH 27 MCA	**2808**	**M**			35	C	36	1	20/1	R	900	RECEPTACLE - VENDING MACHINE
SPACE ONLY				1	37	A	38	1	20/1			SPARE
SPACE ONLY				1	39	B	40	1	20/1			SPARE
SPACE ONLY				1	41	C	42	1	20/1			SPARE

LOAD SUMMARY	TOTAL	DEMAND FACTOR	ESTIMATED MAX. DEMAND
P=PANELS	0.0	1.00	0.0
L=LIGHTING	0.0	1.00	0.0
R=RECEPTACLES	14.3	0.65	12.2
A=APPLIANCES	10.5	1.00	10.5
M=MOTORS	22.4	1.00	22.4
0=SPARE	0.0	1.00	0.0
TOTAL	**47.3 KVA**		**45.1 KVA**

CONNECTED PHASE LOADING
PHASE A: 13352.0
PHASE B: 16080.0
PHASE C: 17827.0
Both panels - total **47.3 KVA**

EST. MAX. DEM.: 45.1 KVA
0% SPARE: 0.0 KVA
E M.D. + SPARE: 45.1 KVA
POWER FACTOR: 1.00
EST. MAX. DEM.: 125.2 AMPS

NOTE: NEW LOADS SHOW IN BOLD, ALL OTHERS EXISTING.
NOTE: PROVIDE ELEVEN (11) NEW 20A/1P AND THREE (3) 35A/2P CIRCUIT BREAKERS IN SPACE

PANEL SCHEDULE

PANEL: "WS2" **LOCATION: BALLOON FIESTA** **VOLTS:** 120 / 208 **3 PH 4 W**
NO. POLES: 42 **MAIN LUGS ONLY - 250A**
BUS RATING: 250A **10 KA MINIMUM INTERRUPTING CAP.** **MOUNTING**: SURFACE - TOP FEED
EXISTING PANEL - SIEMENS S1 VINTAGE 2001

DESCRIPTION	LOAD	TYPE	BRKR	P	CKT	PH	CKT	P	BRKR	TYPE	LOAD	DESCRIPTION
HOT FOOD TABLE	2750	A	35/2	2	1	A	2	1	20/1	R	840	POS PRINTER
	2750	A			3	B	4	1	20/1	A	520	COLD FOOD SECTION
HOT FOOD SECTION	1800	A	20/2	2	5	C	6	1	20/1	A	1900	MICROWAVE
	1800	A			7	A	8	1	20/1	R	840	POS SYSTEM
HEAT LAMPS	1250	A	20/2	2	9	B	10	1	20/1	A	1540	REFRIGERATOR
	1250	A			11	C	12	1	20/1	A	960	COFFEE BREWER
ICE MACHINE	1050	A	20/2	2	13	A	14	1	20/1	A	960	SODA DISPENSER
	1050	A			15	B	16	1	20/1	A	1630	CHIP WARMER
COFFEE BREWER	1870	A	20/2	2	17	C	18	1	20/1	A	1900	BLENDER
	1870	A			19	A	20	1	20/1	A	1120	BOTTLE COOLER
ICE TEA BREWER	890	A	20/2	2	21	B	22	1	20/1	R	1260	RECEPTACLES
	890	A			23	C	24	1	20/1	R	720	RECEPTACLES
COFFEE BREWER	1870	A	20/2	2	25	A	26	1	20/1	R	720	RECEPTACLES
	1870	A			27	B	28	1	20/1	R	720	RECEPTACLES (NEW LOAD)
REFRIGERATOR	1540	A	20/1	1	29	C	30	1	20/1	R	720	RECEPTACLES (NEW LOAD)
HEATED HOLDING CASE	1560	A	20/1	1	31	A	32	1	20/1	M	300	ERV-201 (NEW LOAD)
RECEPTACLES	200	R	20/1	2	33	B	34	1	20/1			SPARE
SPARE			20/1	1	35	C	36	1	20/1			SPARE
SPARE			20/1	1	37	A	38	1	20/1			SPARE
SPARE			20/1	1	39	B	40	2	20/2	M	250	FAN COILS (FC-201 AND FC-202)
SPARE			20/1		41	C	42			M	250	208V-1PH (NEW LOAD)

LOAD SUMMARY	TOTAL	DEMAND FACTOR	ESTIMATED MAX. DEMAND
P=PANELS	0.0	1.00	0.0
L=LIGHTING	0.0	1.00	0.0
R=RECEPTACLES	6.0	1.00	6.0
A=APPLIANCES	36.6	1.00	36.6
M=MOTORS	0.8	1.00	0.8
0=SPARE	0.0	1.00	0.0
TOTAL	**43.4 KVA**		**43.4 KVA**

CONNECTED PHASE LOADING
PHASE A: 15680.0
PHASE B: 13930.0
PHASE C: 13800.0
Both panels - total **43.4 KVA**

EST. MAX. DEM.: 43.4 KVA
0% SPARE: 0.0 KVA
E M.D. + SPARE: 43.4 KVA
POWER FACTOR: 1.00
EST. MAX. DEM.: 120.5 AMPS

NOTE: NEW LOADS SHOW IN BOLD, ALL OTHERS EXISTING. REMOVE TWO (2) 20A/1P CB'S AND PROVIDE NEW 20A/2P CB, CCT WS2-40,42.

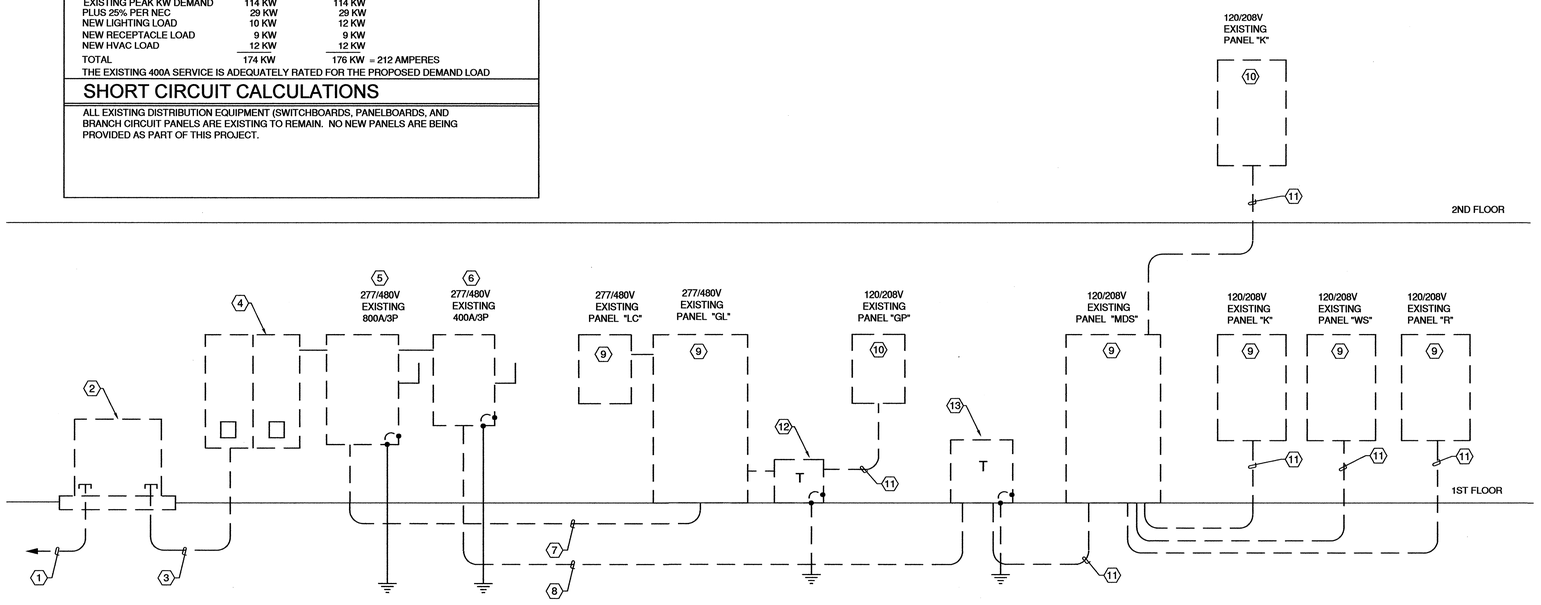
LOAD SUMMARY -- 120/208V - 3PH - 4W

LOAD	CONNECTED LOAD	DEMAND LOAD
EXISTING PEAK KW DEMAND	114 KW	114 KW
PLUS 25% PER NEC	29 KW	29 KW
NEW LIGHTING LOAD	10 KW	12 KW
NEW RECEPTACLE LOAD	9 KW	9 KW
NEW HVAC LOAD	12 KW	12 KW
TOTAL	174 KW	176 KW = 212 AMPERES

THE EXISTING 400A SERVICE IS ADEQUATELY RATED FOR THE PROPOSED DEMAND LOAD

SHORT CIRCUIT CALCULATIONS

ALL EXISTING DISTRIBUTION EQUIPMENT (SWITCHBOARDS, PANELBOARDS, AND BRANCH CIRCUIT PANELS ARE EXISTING TO REMAIN. NO NEW PANELS ARE BEING PROVIDED AS PART OF THIS PROJECT.



A1 POWER RISER DIAGRAM
NTS

GENERAL NOTES

A. ALL 120/208V BRANCH CIRCUIT PANELS WITH CIRCUIT BREAKER CONSTRUCTION SHALL BE SQ "D" NQOD, SIMILAR AND EQUAL. ALL 277/480V BRANCH CIRCUIT PANELS WITH CIRCUIT BREAKER CONSTRUCTION SHALL BE SQ "D" NEHB, SIMILAR AND EQUAL. ALL DISTRIBUTION PANELBOARDS WITH FUSE AND SWITCH CONSTRUCTION SHALL BE SQ "D" QMB, SIMILAR AND EQUAL. ALL SWITCHBOARDS SHALL BE SQ "D" QED-2 POWER STYLE, SIMILAR AND EQUAL. ALL NEW SWITCHBOARDS INSTALLED OUTDOORS SHALL BE PROVIDED WITH NEMA 3R CONSTRUCTION.

B. ALL 120/208Y PANELBOARDS SHALL HAVE MINIMUM 10KAIC RATING, UNLESS OTHERWISE NOTED. ALL 277/480Y PANELBOARDS SHALL HAVE 14KAIC RATING, UNLESS OTHERWISE NOTED. ALL SWITCHBOARDS SHALL HAVE MINIMUM 65KAIC RATING, UNLESS OTHERWISE NOTED.

C. ALL PANELBOARDS SHALL HAVE COPPER BUS, BOLT-IN BREAKERS, AND DOOR-IN-DOOR CONSTRUCTION. ALL SURFACE PANELS IN THE FINISHED AREAS SHALL BE PROVIDED WITH SKIRTS FLOOR-TO-CEILING (FIELD VERIFY DIMENSIONS), AND ELSEWHERE AS NOTED ON THE PLANS.

D. ALL PANELBOARDS SHALL HAVE TYPED CIRCUIT DIRECTORIES, PLACED BEHIND CLEAR PLASTIC PROTECTIVE COVER. DESIGNATIONS ON DIRECTORY SHALL BE MORE DESCRIPTIVE THAN AS SHOWN ON THE DRAWING PANEL SCHEDULES. "SPARES" AND "SPACES" SHALL BE INDICATED ON DIRECTORY WITH ERASABLE PENCIL (NOT TYPED).

F. ALL PANELBOARDS SHALL BE PROVIDED WITH NAMEPLATES SECURED TO EQUIPMENT WITH SELF-TAPPING STEEL SCREWS. NAMEPLATES SHALL BE LAMINATED PLASTIC WITH ENGRAVED 1/2" WHITE LETTERS ON BLACK BACKGROUND AND SHALL INDICATE PANEL DESIGNATION, VOLTAGE, PHASE, AND AMPACITY AND LOCATION OF OVER CURRENT PROTECTIVE DEVICE FEEDING PANEL.

G. ALL PANELBOARDS SHALL BE PROVIDED WITH GROUND BUS/GROUND STRIP MOUNTED ON A CLEAN SURFACE OF THE PANELBOARD CAN. GROUND CONDUCTOR SHALL BE PROVIDED TO THE PANELBOARD GROUND BUS FROM THE GROUND SYSTEM IN THE SERVICE ENTRANCE SECTION OF DISTRIBUTION SECTION.

H. ALL PANELBOARDS SHALL HAVE FACTORY FURNISHED CIRCUIT BREAKER NUMBERING. PUNCHED TAPE OR MARKERS WILL NOT BE PERMITTED. BRANCH CIRCUIT BREAKER NUMBER ON PANELBOARDS SHALL MATCH NUMBERING AS SHOWN ON THE PLANS.

J. ALL BRANCH CIRCUIT CONDUCTORS EXTENDING FROM PANELBOARDS TO RESPECTIVE DEVICES SHALL BE COLOR CODED AND SHALL BE INSTALLED CONTINUOUS IN EACH RUN AND SHALL HAVE A TAG DESIGNATING THE BRANCH CIRCUIT NUMBERS LOCATED AT ALL JUNCTION BOXES. THE COLOR CODE SCHEME SHALL BE AS FOLLOWS:

1.) FOR 120/208V: PHASE A - BLACK, PHASE B -RED, PHASE C - BLUE, NEUTRAL - WHITE,EQUIPMENT GROUND - GREEN.

2.) FOR 277/480V: PHASE A - BROWN, PHASE B - ORANGE, PHASE C-YELLOW, NEUTRAL - OFF-WHITE, EQUIPMENT GROUND - GREEN.

K. ALL CONDUCTORS IN PANELBOARDS SHALL BE NEATLY INSTALLED AND TIE-WRAPPED WITHIN PANELBOARDS.

KEYED NOTES

1. EXISTING PNM PRIMARY REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.
2. EXISTING PNM PAD MOUNT TRANSFORMER REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.
3. EXISTING SECONDARY SERVICE ENTRANCE CONDUCTORS. NO WORK. SHOWN FOR REFERENCE ONLY.
4. EXISTING CT/METER ENCLOSURE. NO WORK. SHOWN FOR REFERENCE ONLY.
5. EXISTING 800A/3P MAIN NO. 1 (DISCONNECT SWITCH) REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.
6. EXISTING 400A/3P MAIN NO. 2 (DISCONNECT SWITCH) REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.
7. EXISTING SECONDARY FEEDER FROM MAIN NO. 1 TO EXISTING PANEL "GL", TWO (2) 4"C EACH WITH 4-500KCMIL + 1#4/0 GR. NO WORK. SHOWN FOR REFERENCE ONLY.
8. EXISTING SECONDARY FEEDER FROM MAIN NO. 2 TO EXISTING 300KVA DT TRANSFORMER, 3-500KCMIL + 1#2 GR IN 3"C. NO WORK. SHOWN FOR REFERENCE ONLY.
9. EXISTING PANELBOARD REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.
10. EXISTING PANEL. PROVIDE NEW BRANCH CIRCUITS AND NEW CIRCUIT BREAKERS PER THE DRAWINGS. REFER TO THE PANEL SCHEDULE THIS SHEET. UPDATE THE PANEL DIRECTORY WITH NEW LOADS.
11. EXISTING SECONDARY FEEDER. NO WORK. SHOWN FOR REFERENCE ONLY.
12. EXISTING 45 KVA DRY TYPE TRANSFORMER REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.
13. EXISTING 300KVA DRY TYPE TRANSFORMER REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.

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FREDERICK J. TAYLOR, STATE OF NEW MEXICO, 6237, REGISTERED PROFESSIONAL ENGINEER

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK

TITLE: POWER RISER DIAGRAM & PANEL SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	MO / DAY / YR.	MO / DAY / YR.
				07/08/11

City Project No. P7997.03 | Zone Map No. B-17-Z | Sheet: 31 Of 31 | E-501

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