

PARKS AND RECREATION FIELD OFFICE  
AT BALLOON FIESTA PARK

9401 Balloon Museum Drive NE  
Albuquerque, New Mexico 87113

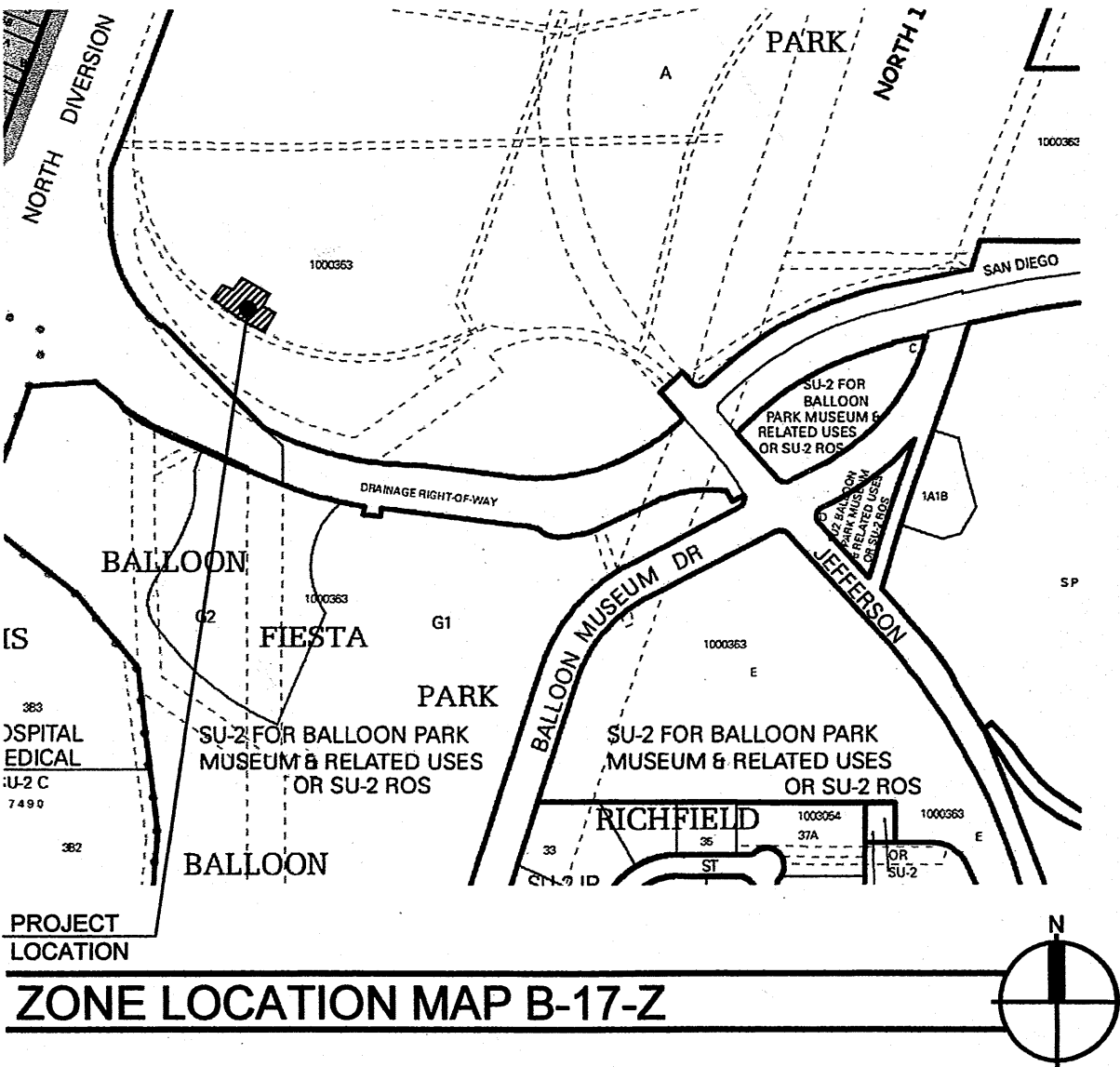
CITY PROJECT NUMBER: P7997.03  
A/E JOB NUMBER:  
OWNER: CITY OF ALBUQUERQUE  
MAYOR: RICHARD J. BERRY

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MECHANICAL ENGINEER: ARSED ENGINEERING GROUP, LLC.  
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PROJECT DESCRIPTION:

SCOPE OF WORK:  
1. XXXXX

ENVIRONMENTAL NOTES:

A. XXXXXX

INDEX TO DRAWINGS

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Symbols Key

	Wall section detail or elevation #
	Sheet on which drawing is located
	Indicates a new elevation
	Indicates an existing elevation
	Door # - see sheets A-601
	Window type - see sheet A-605
	Interior elevation - see sheets I-201
	Detail #
	Sheet on which detail is located

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

REV.	SHEETS	CITY ENGINEER	APPROVALS	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ARCHITECTS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE			
		DRC Chairman			NOT FOR CONSTRUCTION			
		Transportation						
		Water/Wastewater						
		Hydrology						
		C.I.P.						
Constr. Mngmt.								
City Project No.		P7997.03		Sheet		Of		
				G-001				

# KEYED NOTES

05200.01 EXISTING OPEN WEB STEEL JOISTS ALIGNED NORTH/ SOUTH.  
05300.01 EXISTING STEEL DECK DROPS 1'-0".  
05600.01 EXISTING REBAR GRID SUSPENDED FROM CEILING BY WINCH CABLE AND MOTOR.  
05700.01 EXISTING IRONWORK SHELVEING AND BOTTLE HOLDERS. FIXED TO CEILING DECK AND SUPPORTED ON BAR BACK COUNTER.  
08200.02 EXISTING FUR-DOWN.  
09500.01 EXISTING 2' X 2' SUSPENDED CEILING GRID TRACKS TO REMAIN.  
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 STORM DRAIN PIPE 6"Ø, CONNECTS TO 2 ROOF DRAINS.  
22200.05 EXISTING STORM DRAIN DIES INTO WALL @ 9'-3 1/2" A.F.F.  
23300.01 EXISTING EXPOSED DUCTWORK, PAINTED.  
28200.02 EXISTING SECURITY CAMERA.

# 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 CEILING DECKING.
- ⊗ EXISTING DROP PENDANT SURFACE MOUNTED LIGHT FIXTURE.  
○ EXISTING 8"Ø RECESSED/ SURFACE MOUNTED LIGHT FIXTURE.  
— EXISTING TRACK LIGHTING, SURFACE MOUNTED TO CEILING GRID, TO BE RELOCATED  
— EXISTING 8" X 4'-0" FLUORESCENT LIGHT, SURFACE MOUNTED.  
— EXISTING 2' X 4' FLUORESCENT LIGHT, 4 LAMP.  
— EXISTING 2X2 HVAC SUPPLY AIR GRILLE.  
— EXISTING HVAC RETURN AIR GRILLE.  
— EXISTING EMERGENCY LIGHT.  
— EXISTING EXIT LIGHT W/ EMERGENCY LIGHTING.  
— 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.  
— EXISTING 2X4 SUSPENDED CEILING SYSTEM.  
— EXISTING 2X2 SUSPENDED CEILING GRID (NO PANELS) TO REMAIN  
— AREA OF DAMAGED EXISTING 2 X 2 CEILING GRID TO BE REPLACED

# FINISH KEY

CEILINGS	
XC-1	EXISTING 2' X 4' MEDIUM TEXTURE CEILING PANEL.
XC-2	EXISTING 2' X 4' SMOOTH TEXTURE CEILING PANEL.
XC-3	EXISTING GYP. BD. CEILING SYSTEM.
XC-4	EXISTING EXPOSED STRUCTURE.

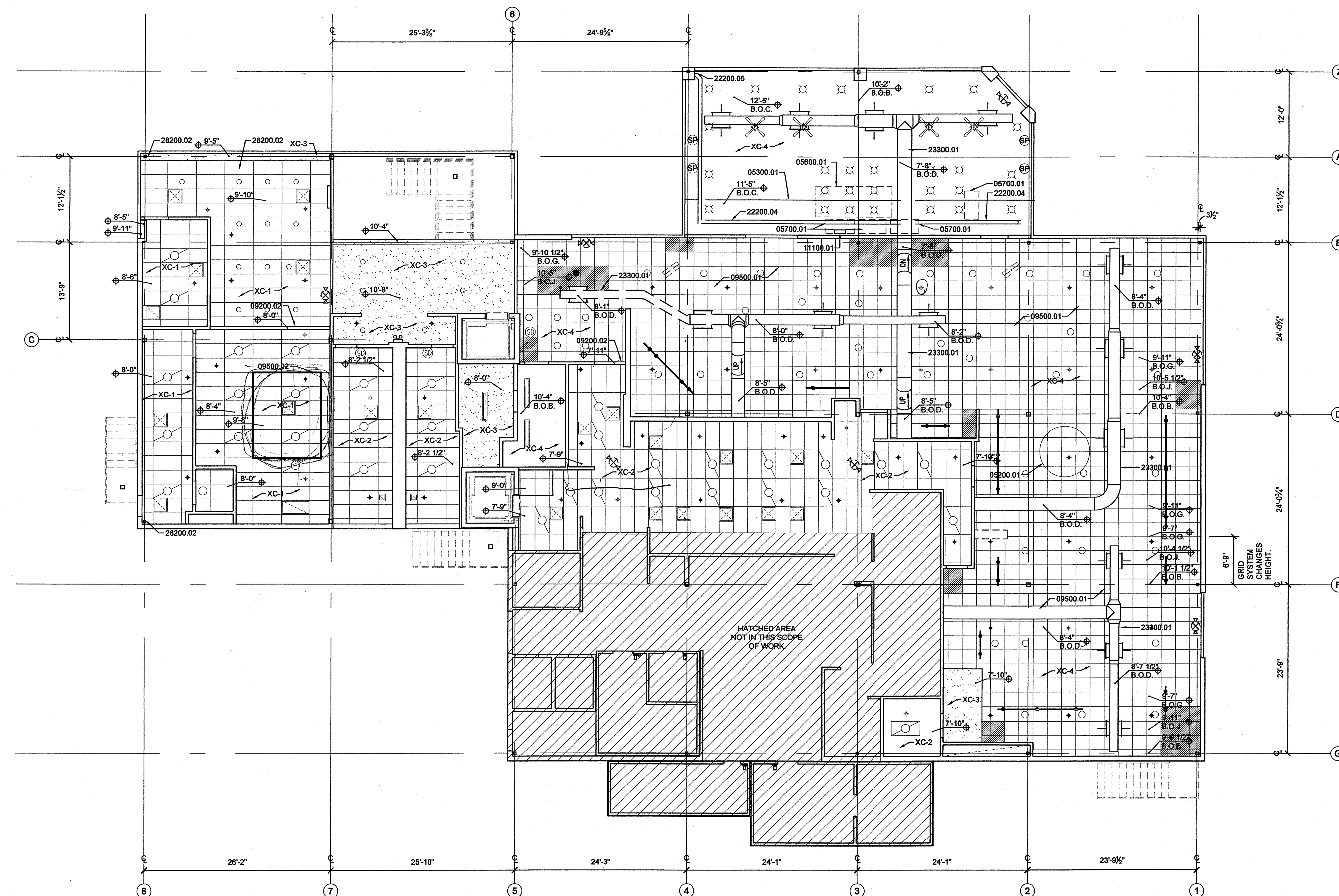
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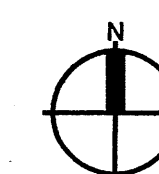
PARKS AND RECREATION DEPARTMENT FIELD OFFICE  
AT BALLOON FIESTA PARK

TITLE: EXISTING CONDITIONS / DEMOLITION  
REFLECTED CEILING PLAN

Design Review Committee	City Engineer Approval	MO. DATE / YR.	MO. DATE / YR.
			06/01/11
City Project No.	Zone Map No.	Sheet	Of
P7997.03	B-17-Z		AD-171

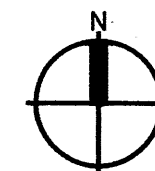


A 1ST FLOOR EXISTING CONDITIONS / DEMOLITION REFLECTED CEILING PLAN  
1/8" = 1'-0"





26700.02 EXISTING SCONE LIGHT FIXTURE, WALL MOUNTED.



NO.		DATE	REVISIONS/REMARKS	BY	SURVEY INFORMATION			BENCH MARK		AS BUILT INFORMATION	
					FIELD NOTES						
					NO.	BY	DATE	CONTRACTOR			
								WORK STAGED BY			
								INSPECTOR'S APPROVAL			
							FIELD VERIFICATION BY				
							DRAWING CORRECTED BY				
								MICRO-FILM INFORMATION			
								RECORDED BY			
								DATE:			
								NO.			
DESIGNED BY: LGA								DATE:			
DRAWN BY: SRT								DATE:			
CHECKED BY: LG								DATE:			

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TITLE: **EXISTING CONDITIONS / DEMOLITION  
FLOOR PLAN**

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.
				05/09/11

City Project No.	P7997.03	Zone Map No.	B-17-Z	Sheet:	Of	AD-172
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FINISH KEY

BASE	
XB-1	NO BASE.
XB-2	EXISTING 4" H RUBBER BASE.
XB-3	EXISTING 3 1/2" H WOOD BASE.
XB-4	EXISTING VINYL COMPOSITE FLOORING EXTENDS UP WALL 4".
FLOOR	
XF-1	EXISTING EXPOSED CONCRETE.
XF-2	EXISTING STAINED CONCRETE.
XF-3	EXISTING EPOXY TOPPING OVER CONCRETE.
XF-4	EXISTING CARPET.
XF-5	EXISTING FLOATING HARDWOOD FLOOR OVER CONCRETE.
XF-6	EXISTING 12 X 12 CERAMIC TILE.
XF-7	EXISTING VINYL COMPOSITE FLOORING.
XF-8	EXISTING EPOXY, OVER 3/4" PLYWOOD, OVER WOOD DECKING.

KEYED NOTES

01100.02 DASHED LINE INDICATES EXISTING PORTAL CANOPY ABOVE.  
05100.01 TRINGLE TRUSS / COLUMN, TYPICAL @ PATIO PORTAL.  
06300.01 DASHED LINE INDICATES EXISTING SLATBOARD, BOTTOM OF BOARD @ 39" A.F.F., TOP OF BOARD @ 87" A.F.F.  
06300.02 DASHED LINE INDICATES EXISTING SLATBOARD, BOTTOM OF BOARD @ FINISH FLOOR, TIP OF BOARD @ 48" A.F.F.  
06400.01 EXISTING MILLWORK, TOP @ 40" A.F.F.  
06400.02 EXISTING MILLWORK BASECABINET, TOP @ 36" A.F.F.  
06400.03 EXISTING MILLWORK CABINETS, TOP @ 80" A.F.F.  
09600.01 EXISTING HARD RUBBER TRANSITION STRIP.  
10200.01 EXISTING PAPER TOWEL DISPENSER.  
10200.02 EXISTING WATERLESS HAND SANITIZER DISPENSER.  
11500.01 EXISTING STAINLESS STEEL COUNTERTOP W/ SINK, 60"W X 35 1/2"H X 24"D W/ 2"D X 7"H BACKSPLASH AND SIDESPLASH, ON ONE SIDE. SINK W/ CABINET BELOW, OPEN SHELF BELOW REST OF COUNTERTOP.  
11500.02 EXISTING STAINLESS STEEL COUNTERTOP W/ SINK, DRAIN, HOLE IN COUNTERTOP. 112"W X 30"D X 36"H W/ 6 1/2"H BACKSPLASH.  
11500.03 EXISTING STAINLESS STEEL PRO-CLEAN GLASSWASHER. 24"W X 38"D X 34"H.  
11500.04 EXISTING STAINLESS STEEL SINK. 18"W X 24"D X 32"H W/ 7"H BACKSPLASH.  
11500.05 EXISTING STAINLESS STEEL JOCKEY BOX W/ SIDE COMPARTMENTS. 36"W X 24"D X 32"H W/ 7"H BACKSPLASH AND 4" X 4 1/2"D SPEEDRAIL.  
11500.06 EXISTING STAINLESS STEEL ICE BIN, 2 DOOR/ TOP LOADING W/ BROKEN DOORS. 48"W X 25"D X 34"H.  
11500.07 EXISTING BEER TAP. 6 1/2"Ø BEER TAP W/ 20" X 10" DRAIN BOARD MOUNTED ON COUNTERTOP.  
11500.08 EXISTING BEER TAP. 9"Ø BEER TAP W/ 16" X 5" DRAIN BOARD, MOUNTED ON COUNTERTOP.  
11500.09 EXISTING POS STATION.  
11500.10 EXISTING STAINLESS STEEL SHELF UNIT, 96"W X 12"D X 12"H W/ BRACKETS, 1 1/2"H BACKSPLASH.  
11500.11 EXISTING STAINLESS STEEL SHELF UNIT, 90"W X 12"D X 12"H W/ BRACKETS, 1 1/2"H BACKSPLASH.  
11500.12 EXISTING STAINLESS STEEL TEXICAN WARMING UNIT, 29"W X 26 1/2"D X 36"H.  
11500.13 EXISTING STAINLESS STEEL BEVERAGE AIR / PEIDMONT LINE (4) DOOR REFRIGERATOR, 52"W X 34"D X 85"H.  
11500.14 EXISTING STAINLESS STEEL COUNTERTOP W/ 2 SINKS, 277 1/2"W X 30"D X 36"H W/ 6 1/2"H BACKSPLASH.  
11500.15 EXISTING SODA VENDING MACHINE, 37"W X 36"D X 80"H.  
11500.16 EXISTING SNACK VENDING MACHINE, 33"W X 28"D X 72"H.  
11500.17 EXISTING STAINLESS STEEL COUNTERTOP, 102"W X 24"D X 36"H.  
11500.18 EXISTING STAINLESS STEEL WARMING TABLE, 72"W X 24"D X 36"H.  
11500.19 EXISTING STAINLESS STEEL PASSOVER COUNTERTOP, 24"W X LENGTH OF LOW WALL, TOP @ 56" A.F.F.  
21200.01 EXISTING FIRE RISER PIPE EXTENDS FROM FLOOR TO CEILING.  
22200.01 EXISTING CLEANOUT 4"Ø METAL CAP.  
22200.02 EXISTING PVC PIPE 5"Ø EXTENDS UP FROM FLOOR 6". BAG IN BOX LINES EXTEND FROM PIPE.  
22200.03 EXISTING FLOOR DRAIN, 4"Ø W/ METAL DRAIN GRILLE.  
22500.01 EXISTING FLOOR SINK WHITE ENAMEL, 12" X 12".  
26200.01 EXISTING ELECTRICAL PANEL, 25" X 70".  
26200.02 EXISTING TRANSFORMER.  
26200.03 EXISTING DISCONNECT SWITCH.  
26200.04 EXISTING ELECTRICAL PANEL.  
26500.01 EXISTING ELECTRICAL BOX.  
26500.02 EXISTING (10) SWITCHES CONTROL GOLF RANGE LIGHTING.  
26700.01 EXISTING LIGHTING CONTACTS.  
27100.01 EXISTING TELECOMMUNICATIONS/DATA CONTROL EQUIPMENT.  
27100.02 EXISTING WIFI HUB, WALL MOUNTED @ 88" A.F.F.  
27500.01 EXISTING MICROPHONE AND MUSIC INPUT RECEPTACLE.  
27500.02 EXISTING MICROPHONE AND MUSIC SWITCH.  
28100.01 EXISTING SECURITY ALARM KEYPUNCH PANEL @ 58" A.F.F.  
28100.02 EXISTING SECURITY ALARM SYSTEM PANEL.  
28200.01 EXISTING SECURITY CAMERA SYSTEM PANEL.  
28300.01 EXISTING FIRE ALARM PULL CENTER LINE @ 42" A.F.F.  
28300.02 EXISTING FIRE ALARM CONTROL PANEL.

AS BUILT INFORMATION		BENCH MARK		SURVEY INFORMATION		FIELD NOTES		REVISIONS/REMARKS		DESIGNED BY:		DATE:	
CONTRACTOR	DATE:	WORK STAKED BY	DATE:	NO.	BY	NO.	BY	NO.	DATE:	LOA	SRT	LG	DATE:
INSPECTOR'S APPROVAL	DATE:	INSPECTOR'S APPROVAL	DATE:										
FIELD VERIFICATION BY	DATE:	FIELD VERIFICATION BY	DATE:										
DRAWING CORRECTED BY	DATE:	DRAWING CORRECTED BY	DATE:										
MICRO-FILM INFORMATION	DATE:	MICRO-FILM INFORMATION	DATE:										
RECORDED BY	DATE:	RECORDED BY	DATE:										
NO.		NO.											

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.

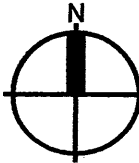
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PARKS AND RECREATION DEPARTMENT FIELD OFFICE  
AT BALLOON FIESTA PARK

TITLE: EXISTING CONDITIONS / DEMOLITION  
FLOOR PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO / DAY / YR	MO / DAY / YR
				05/09/11
City Project No.	Zone Map No.	Sheet	Of	
P7997.03	B-17-Z			AD-101

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











\* Match Existing lock system of Existing Doors



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TITLE: FLOOR PLAN - LEVEL 2

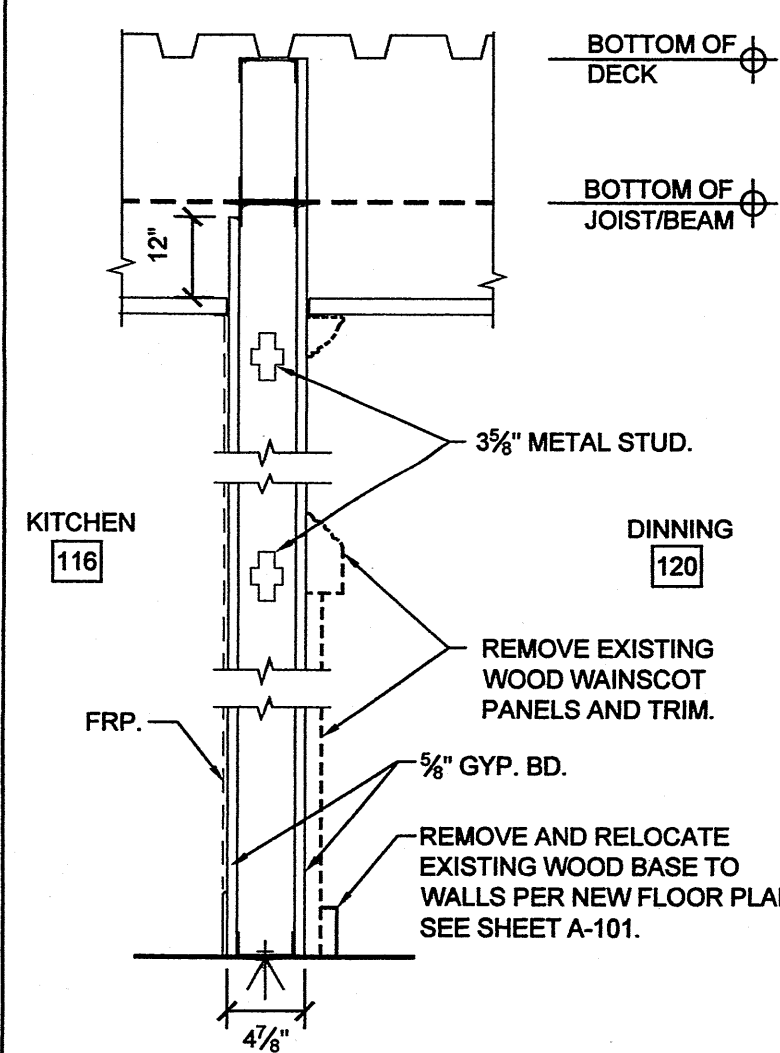
Design Review Committee	City Engineer Approval	Last Design Update	MO/DOY/YR	MO/DOY/YR		
				06/01/11		
City Project No.	P7997.03	Zone Map No.	B-17-Z	Sheet:	Of	A-102

## PARTITION TYPES (PT)

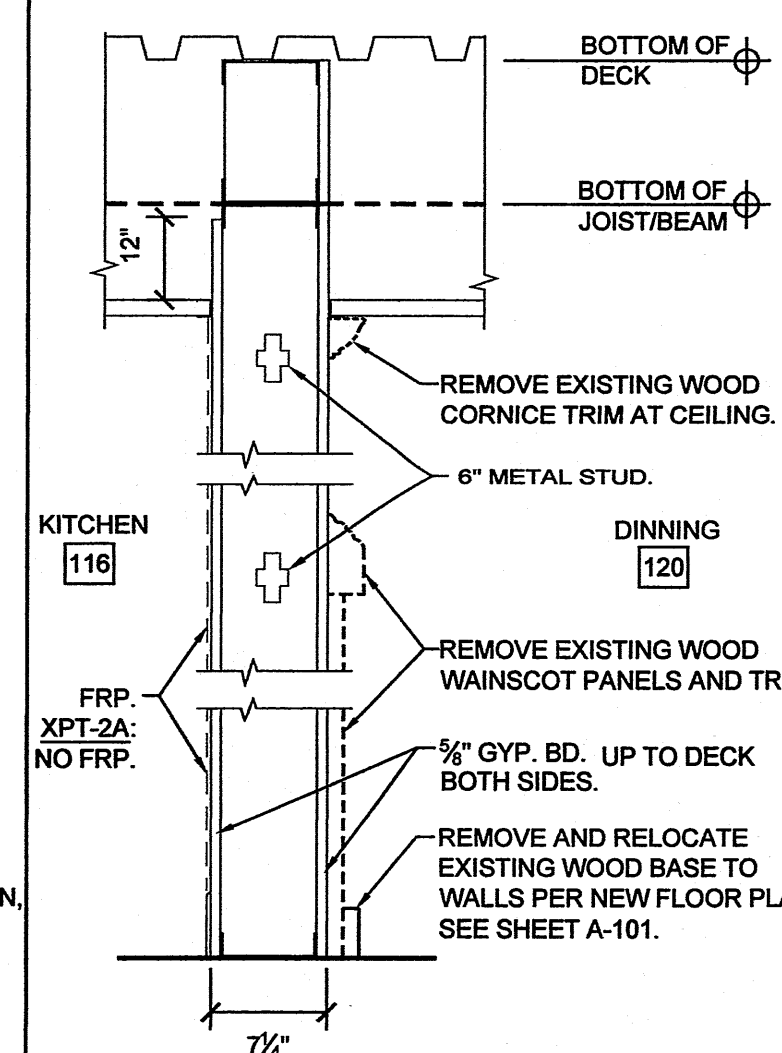
PARTITION TYPES ARE INDICATED FOR INTERIOR PARTITION FRAMING. SEE FINISH SCHEDULE A-6XX FOR FINISHES

## GENERAL NOTES

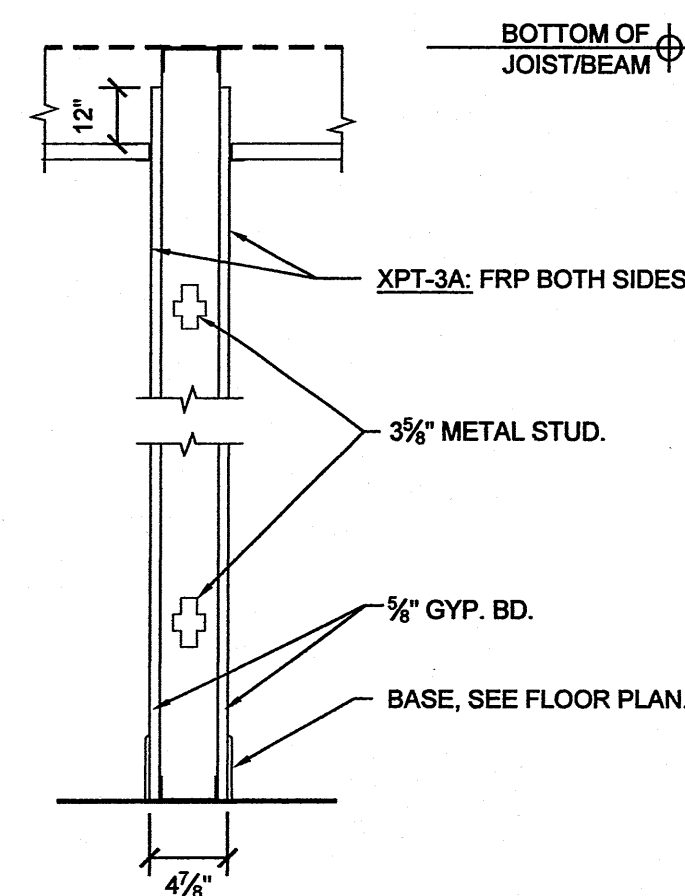
- A. INSTALL ALL SILL TRACKS IN A CONTINUOUS BED OF SEALANT.
- B. AT TOP OF METAL STUD TRACK, WHERE IT ABUTS METAL DECK: INSTALL FIBERGLASS BATT OR SPRAY-IN FOAM INSULATION BETWEEN THE FLUTES.
- C. PROVIDE BLOCKING / BACKING IN WALLS FOR MILLWORK, ACCESSORIES, ETC. SEE FLOOR PLANS AND ACCESSORIES SCHEDULE.
- D. BEHIND CERAMIC WALL TILE PROVIDE AND INSTALL  $\frac{1}{2}$ " DENS BOARD OR CEMENTITIOUS BACKER BOARD IN LIEU OF GYPSUM BOARD. TAPE, BED AND PREPARE PER MANUFACTURERS REQUIREMENTS.
- E. AT ALL JUMBBING WALLS PROVIDE CERAMIC TILE PROVIDE AND INSTALL WATER RESISTANT GYPSUM BOARD.
- F. PROVIDE SOUND BATTS IN WALLS - FLOORS TO DECK AROUND TOILET ROOMS



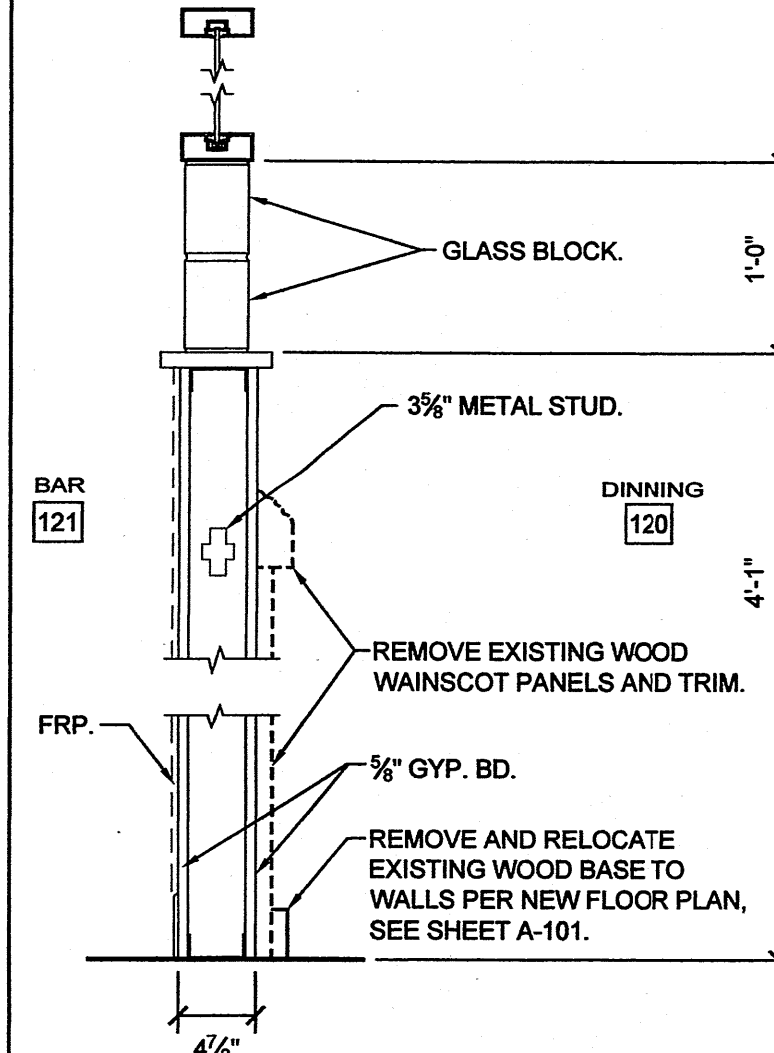
XPT



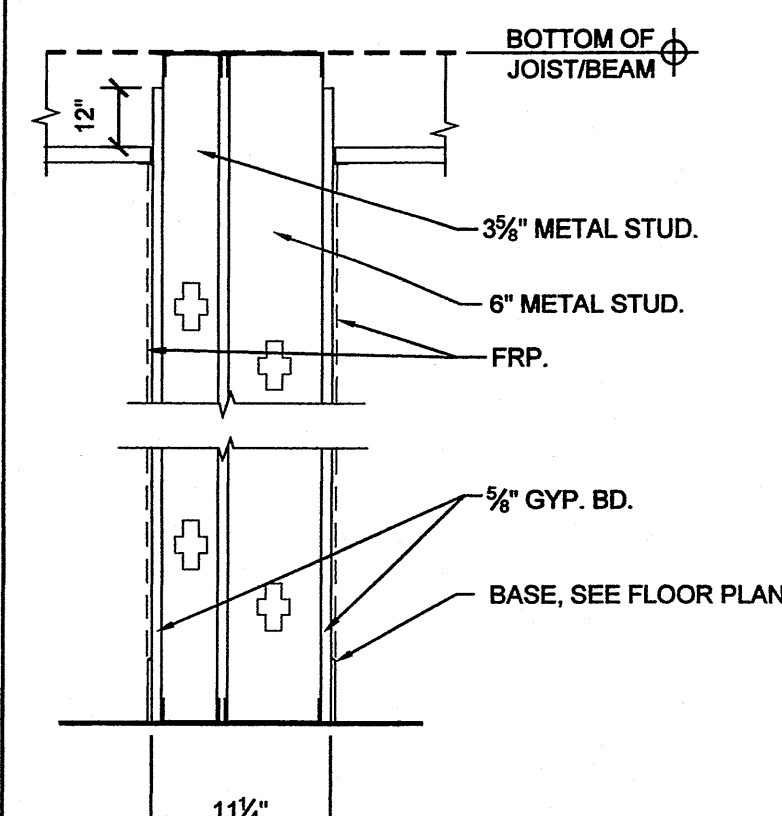
XPT-2 / XPT-2A



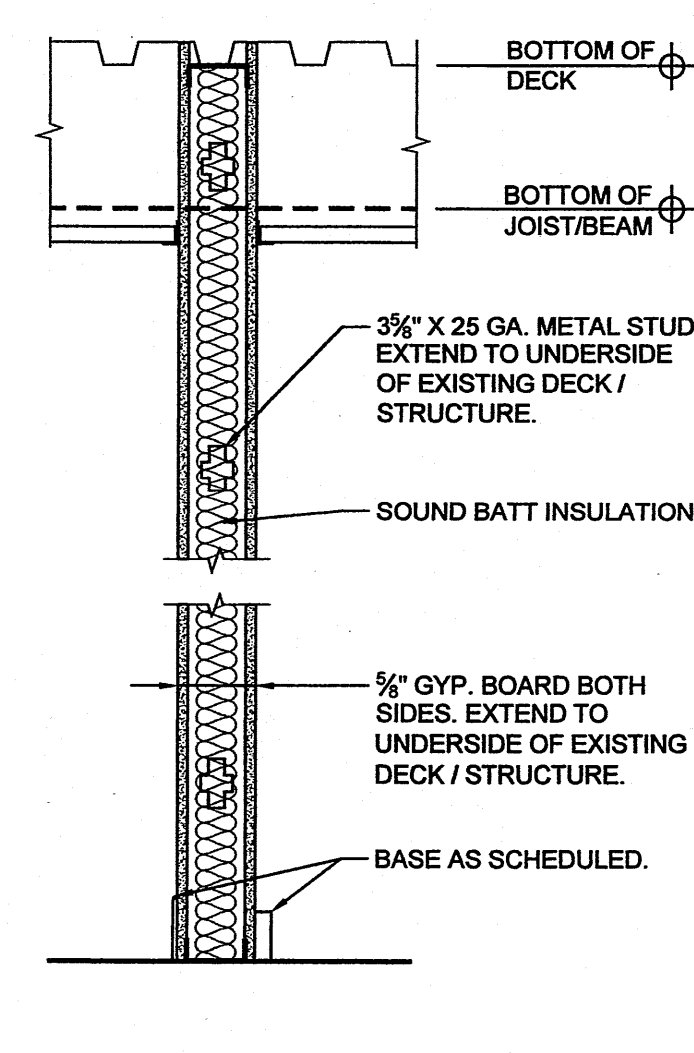
XPT-3 / XPT-3A



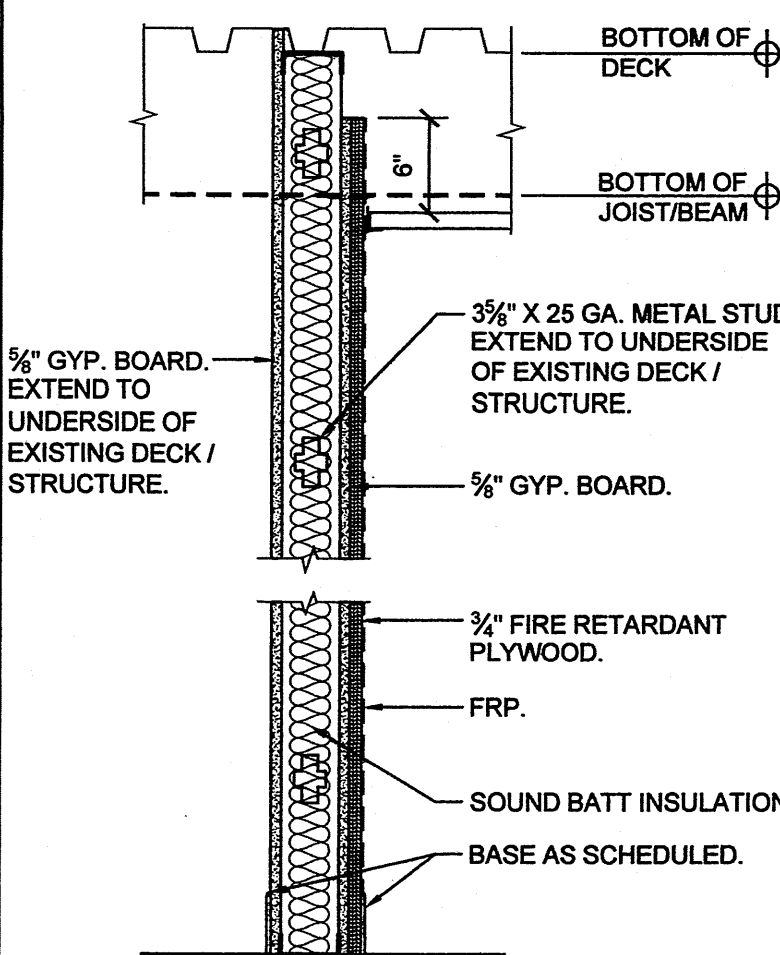
XPT-4



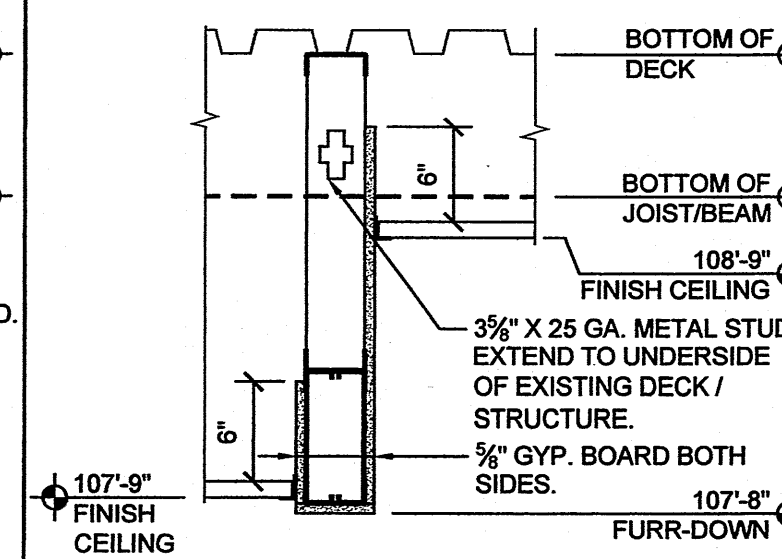
XPT-5 XPT-5



PT-4



PT-3



PT-3

PT-X

PT-X

PT-X

PT-X

**B1** NEW CONSTRUCTION & EXISTING CONDITIONS PARTITION TYPE SCHEDULE  
1" = 1'-0"

[illegible]

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AT BALLOON FIESTA PARK

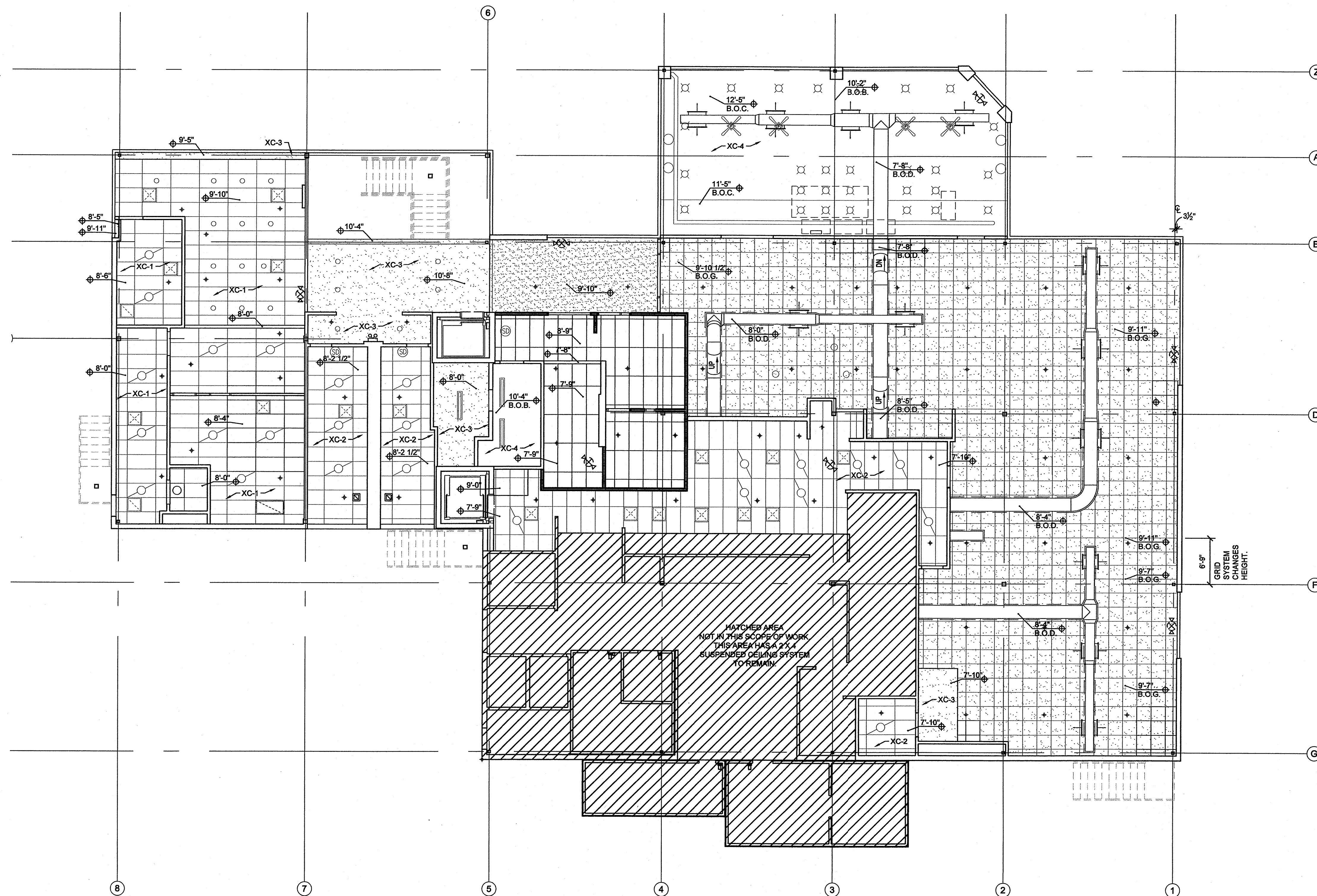
TITLE: PARTITION TYPE SCHEDULE

Design Review Committee	City Engineer Approval	Last Design Update	REVISIONS	REVISIONS
				06/01/11

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



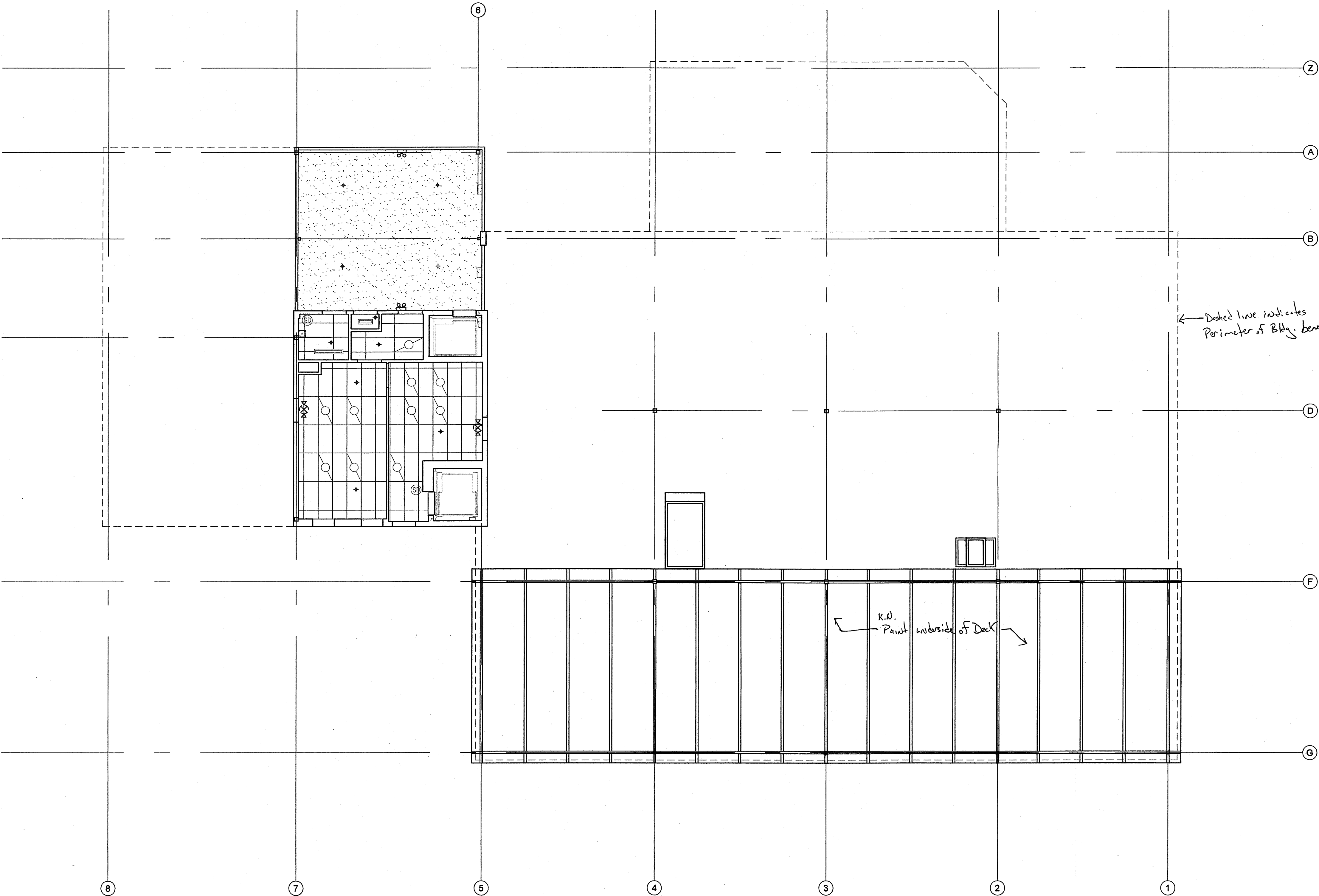
## KEYED NOTES



<h1>FINISH KEY</h1>		BY: 	
<b>CEILING</b>		REVISIONS/REMARKS:	
XC-1	EXISTING 2' X 4' MEDIUM TEXTURE CEILING PANEL.		
XC-2	EXISTING 2' X 4' SMOOTH TEXTURE CEILING PANEL.		
XC-3	EXISTING GYP. BD. CEILING SYSTEM.		
XC-4	EXISTING EXPOSED STRUCTURE.		
		NO. DATE:	
LEE GAMESKY ARCHITECTS P.C.  2412 MILES ROAD SE ALBUQUERQUE, NM 87106 505.842.8865 FAX 842.1693 lee@lgamm.com		DESIGNED BY: LGA DRAWN BY: JPW CHECKED BY: LG	
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
			06/01/11
City Project No.	P7997.03	Zone Map No.	B-17-Z
		Sheet	Of
			A-171

KEYED NOTES

AS BUILT INFORMATION		BENCH MARK		SURVEY INFORMATION		FIELD NOTES		REVISIONS/REMARKS		BY		DATE		DESIGNED BY:		DATE:		DRAWN BY:		DATE:		CHECKED BY:		DATE:	
CONTRACTOR	DATE:	WORK STAKED BY	DATE:	INSPECTOR'S APPROVAL	DATE:	FIELD VERIFICATION BY	DATE:	DRAWING CORRECTED BY	DATE:	RECORDED BY	NO.	NO.	NO.	LGA	JPW	LG									
INSPECTOR'S APPROVAL	DATE:	FIELD VERIFICATION BY	DATE:	DRAWING CORRECTED BY	DATE:	RECORDED BY	NO.																		
MICRO-FILM INFORMATION		RECORDED BY		NO.																					



FINISH KEY	
CEILINGS	
XC-1	EXISTING 2' X 4' MEDIUM TEXTURE CEILING PANEL.
XC-2	EXISTING 2' X 4' SMOOTH TEXTURE CEILING PANEL.
XC-3	EXISTING GYP. BD. CEILING SYSTEM.
XC-4	EXISTING EXPOSED STRUCTURE.

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK	
TITLE: REFLECTED CEILING PLAN - LEVEL 2	
Design Review Committee	City Engineer Approval
City Project No. P7997.03	Zone Map No. B-17-Z
Sheet: A-172	Of
Last Design Update: 06/01/11	

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



NEW AND EXISTING DOOR AND FRAME SCHEDULE

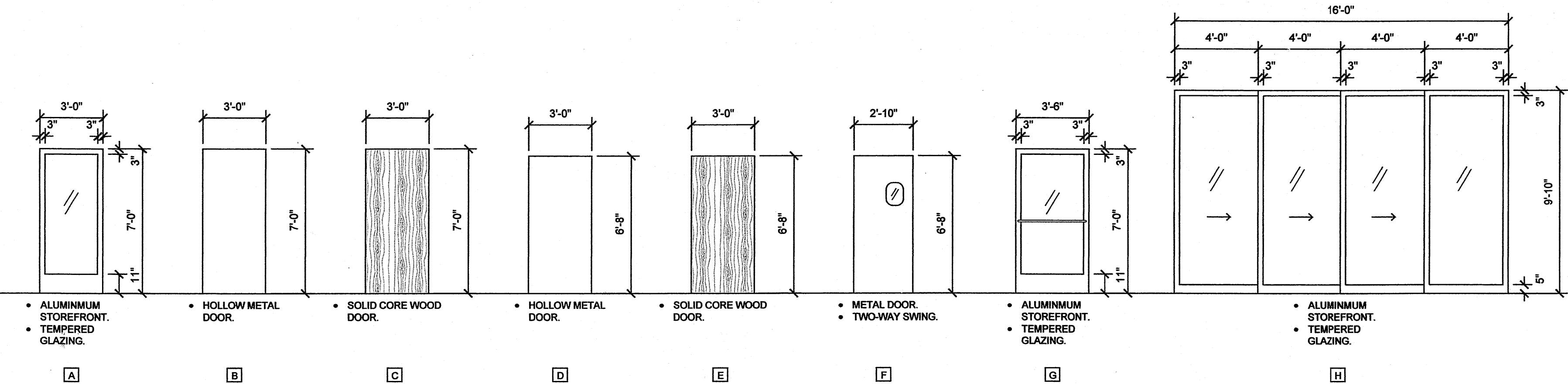
DOOR														FRAME										HDW No.	PANIC HDW	NOTES	
DOOR No.	SIZE		MAT	EXISTING DOOR TO REMAIN	EXISTING DOOR TO BE REMOVED	EXISTING DOOR TO BE RELOCATED	NEW DOOR	GLAZING	TYPE	FINISH	EXISTING FRAME TO REMAIN	EXISTING FRAME TO BE REMOVED	EXISTING FRAME TO BE RELOCATED	NEW FRAME	MAT	TYPE	FINISH	DETAIL									
	W X H	THK																HEAD	JAMB	SILL							
X101	3'-0" x 7'-0"	1 3/4"	WD	●					C	SS	●					HM	1	PT	--	--	--	--				--	
X102	3'-0" x 7'-0"	1 3/8"	HM	●					B	PT	●					HM	1	PT	--	--	--	--				--	
X103	3'-0" x 6'-8"	1 3/4"	HM	●					D	PT	●					WD	3	PT	--	--	--	--				--	
104	3'-0" x 7'-0"	1 3/4"	WD				●		L	SS				●	HM	12	PT	B1/A-602	B1/A-602	--	--	--	--				KICK PLATE, CLOSER
X105A	3'-0" x 7'-0"	1 3/4"	AL	●				●	A	--	●				AL	11	--	--	--	--	--	--				--	
X105B	3'-0" x 7'-0"	1 3/4"	WD	●					C	SS	●				HM	1	PT	--	--	--	--	--				--	
105	3'-0" x 7'-0"	1 3/4"	AL				●	●	J	--				●	AL	9	--	B2/A-603	B2/A-603	A2/A-603	--	--				--	
X106	PR 3'-0" x 7'-0"	1 3/4"	AL			●		●	A	--				●	AL	8	--	B1/A-603	B2/A-603	A1/A-603	--	--	●			DOOR OPERATOR, PULL SIDE HANDLES, CLOSER.	
X107	3'-0" x 6'-8"	1 3/4"	WD	●					E	SS	●				KD	2	PT	--	--	--	--	--				--	
X108	3'-0" x 6'-8"	1 3/4"	WD	●					E	SS	●				KD	2	PT	--	--	--	--	--				--	
X110A	3'-0" x 7'-0"	1 3/4"	AL		●			●	A	PT			●		AL	8	PT	--	--	--	--	--				PULL SIDE HANDLE, CLOSER.	
X110B	3'-0" x 7'-0"	1 3/4"	AL		●			●	A	PT			●		AL	10	--	--	--	--	--	--				RESTAURANT SIDE OF DOOR IS BRONZE FINISH, CLOSER, DEAD BOLT.	
X111	3'-0" x 7'-0"	1 3/4"	WD	●					C	SS	●				HM	1	PT	--	--	--	--	--				CLOSER	
X112	3'-0" x 6'-8"	1 3/4"	WD	●					E	SS			●		KD	2	PT	--	--	--	--	--				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	--	--	--				KICK PLATE, CLOSER	
113B	6'-0" x 4'-6"		ST				●		M	PT					--	--	--	C4/A-602	B4/A-602	A4/A-602	--	--				--	
115	3'-0" x 7'-0"	1 3/4"	WD				●		L	SS				●	HM	12	PT	B2/A-602	B2/A-602	--	--	--				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	SS	●				WD	3	PT	--	--	--	--	--					
X120A	3'-0" x 7'-0"	1 3/4"	AL	●				●	A	PT	●				AL	5	PT	--	--	--	--	--				CLOSER.	
X120B	3'-0" x 7'-0"	1 3/4"	AL	●				●	A	PT	●				AL	5	PT	--	--	--	--	--				CLOSER.	
120	PR 3'-0" x 7'-0"	1 3/4"	AL				●	●	J	MI				●	AL	13	--	B3/A-602	B3/A-602 A3/A-602	--	--	--					
X121A	PR 3'-6" x 7'-0"	1 3/4"	AL	●				●	G	PT	●				AL	6	PT	--	--	--	--	--				PULL BAR, DEAD BOLT.	
X121B	3'-6" x 7'-0"	1 3/4"	AL	●				●	G	PT	●				AL	7	PT	--	--	--	--	--				PULL BAR, DEAD BOLT.	
X121C	PR 3'-0" x 7'-0"	1 3/4"	AL	●				●	A	PT	●				AL	4	--	--	--	--	--	--					
X121D	16'-0" x 9'-10"	1 3/4"	AL	●				●	H	PT	●				--	--	--	--	--	--	--	--					
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	--	--	--	--	--	--					
X202	3'-0" x 7'-0"	1 3/4"	WD		●				C	SS			●		KD	2	PT	--	--	--	--	--				KICK PLATE, CLOSER.	
202	3'-0" x 7'-0"	1 3/4"	WD				●		L	SS				●	HM	12	PT	B1/A-602	B1/A-602	--	--	--					
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	--	--	--	--	--				KICK PLATE, CLOSER	
X205A	3'-0" x 7'-0"	1 3/4"	HM	●					B	PT			●		HM	1	PT	--	--	--	--	--				VIEW WINDOW	
X205B	3'-0" x 7'-0"	1 3/4"	HM		●				B	PT			●		HM	1	PT	--	--	--	--	--				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	--	--					
206	3'-0" x 7'-0"	1 3/4"	WD				●		L	SS				●	HM	12	PT	B1/A-602	B1/A-602	--	--	--				KICK PLATE	

GENERAL NOTES

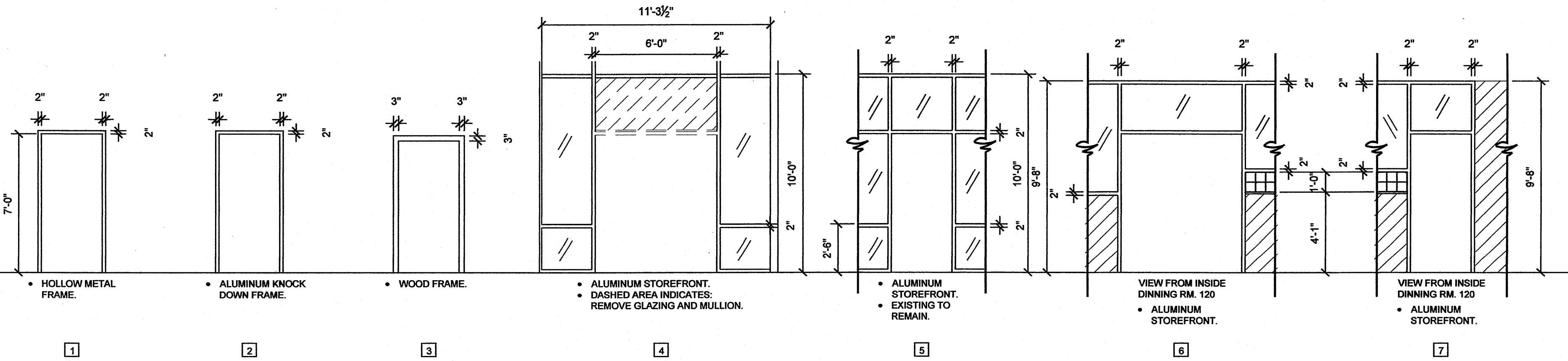
- A. HOLLOW METAL FRAMES ARE COLD-ROLLED STEEL WITH MITERED, COPED, AND WELDED CORNERS. FACTORY PRIMED AND FIELD PAINTED.
- B. PROVIDE LABELED AND FIRE RATED STANDARD STEEL DOOR AND FRAME ASSEMBLIES AS NOTED.
- C. THRESHOLDS SHALL BE 1/2" HIGH MAXIMUM.
- D. THE BOTTOM 10" OF ALL DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE.
- E. 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.
- F. PRIME AND PAINT ALL HOLLOW METAL FRAMES.
- G. GROUT ALL HOLLOW METAL FRAMES SOLID, AND PROVIDE MINIMUM 3 JAMB ANCHORS EACH SIDE.
- H. AT SILL LOCATIONS SET THRESHOLDS, AND FRAMES IN A CONTINUOUS BED OF SILICONE OR POLYURETHANE SEALANT.
- I. SEE SHEETS A-602-605 FOR DOOR/WINDOW DETAILS.
- J. 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 (6) SECONDS, MINIMUM. (ANSI A117.1-1998 404.2.8).
- K. SEE DOOR HARDWARE SET NUMBERS ON SHEET A-601.
- L. PROVIDE TEMPERED/ SAFETY GLASS AT DOORS/ SIDE LITES AND ADJACENT LOCATIONS.
- M. PREPARE EXISTING FRAMES FOR REUSE. CLEAN, SAND, PATCH, PRIME AND PAINT. ADJUST STOPS AS REQUIRED FOR NEW DOORS.
- N. AT ALL NEW DOORS TO BE RELOCATED TO AN EXISTING DOOR FRAME, GENERAL CONTRACTOR IS TO FIELD VERIFY DIMENSIONS. VERIFY ALL EXISTING DOOR AND FRAME DIMENSIONS TO BE MODIFIED. FIELD VERIFY LOCATIONS OF EXISTING BUTTS, BUTT JOINTS, STRIKES, LOCKSETS, ETC. SEE HARDWARE SCHEDULE.
- O. AT INTERIOR WOOD DOORS TO BE CLEAR SEALED: LIGHTLY SAND, CLEAN, INSTALL CLEAR SEALER, COAT WITH MINIMUM 3 COATS CLEAR POLYURETHANE FINISH.
- P. 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.
- Q. MOUNTING HEIGHT OF PANIC EXIT DEVICES IS CENTER LINE AT 40" ABOVE FINISHED FLOOR.
- R. EXISTING LEVER STYLE/ HANDICAPPED COMPLIANT OFFICE FUNCTION LOCKSET MAY BE REMOVED AND RELOCATED/ REINSTALLED.
- S. 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.
- T. DOOR HARDWARE SHALL TYPICALLY BE INSTALLED WITH THE CENTER OF THE STRIKES AT 39 1/2" A.F.F.

MATERIAL KEY

AL	ALUMINUM STOREFRONT
SCWD	SOLID CORE WOOD
WD	WOOD
HM	HOLLOW METAL
KD	KNOCK DOWN FRAME
SS	STAIN AND SEAL
PT	PAINTED
PR	PAIR
M	METAL DOOR
MI	MIL FINISH ALUMINUM



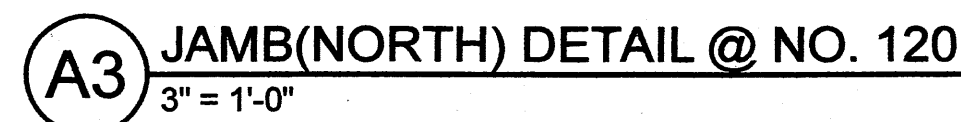
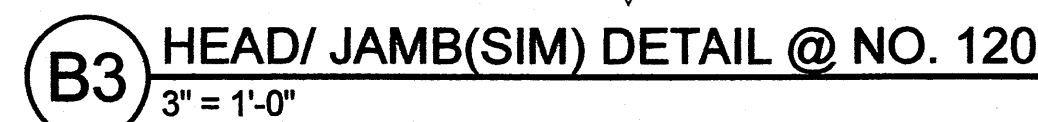
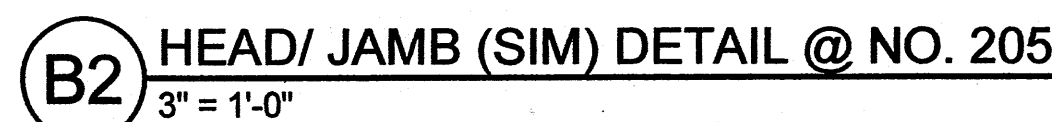
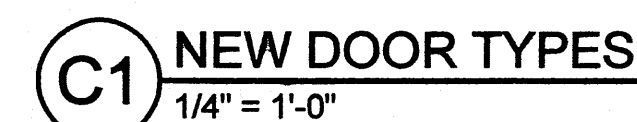
B1 EXISTING DOOR TYPES  
1/4" = 1'-0"



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

LEE GAMESKY ARCHITECTS P.C.		DESIGNED BY: LGA		DATE: 06/01/11	
2412 MILES ROAD SE ALBUQUERQUE, NM 87106 505.842.8865 FAX 505.842.1693 lee@gamesky.com		DRAWN BY: SRT		DATE:	
		CHECKED BY: LG		DATE:	
PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK					
TITLE: DOOR AND FRAME SCHEDULE / EXISTING DOOR AND FRAME TYPES					
Design Review Committee		City Engineer Approval		MO/TA/RY/LE	
City Project No. P7997.03		Zone Map No. B-17-Z		Sheet Of A-601	



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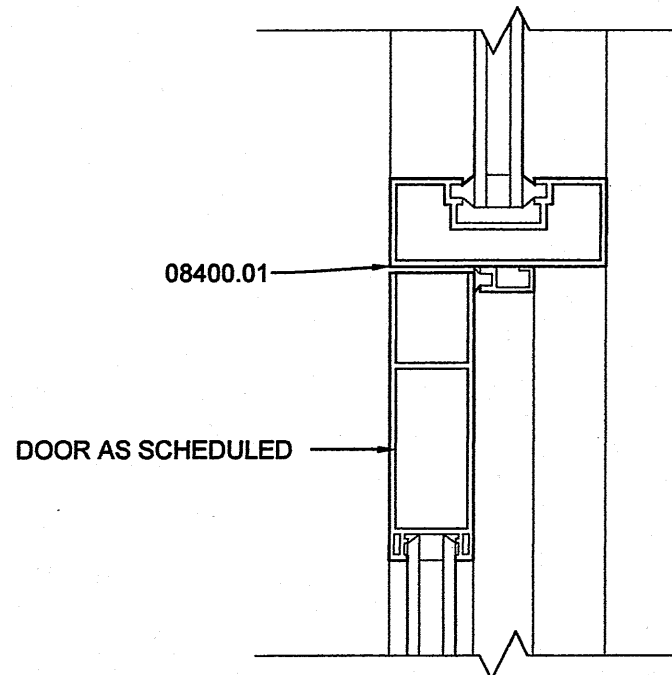
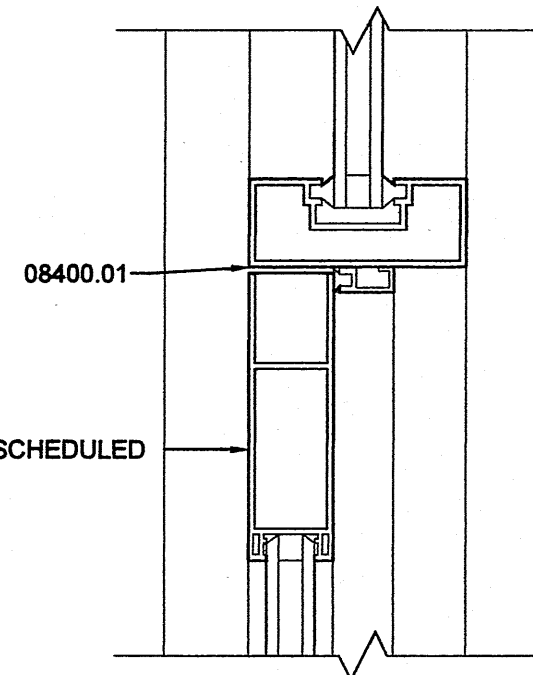
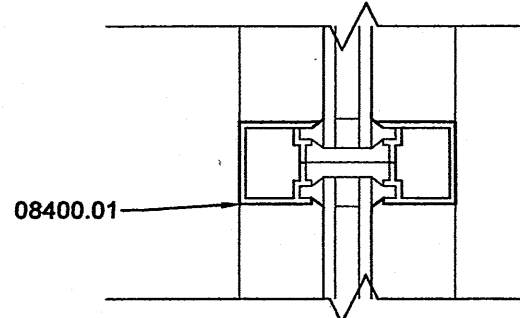
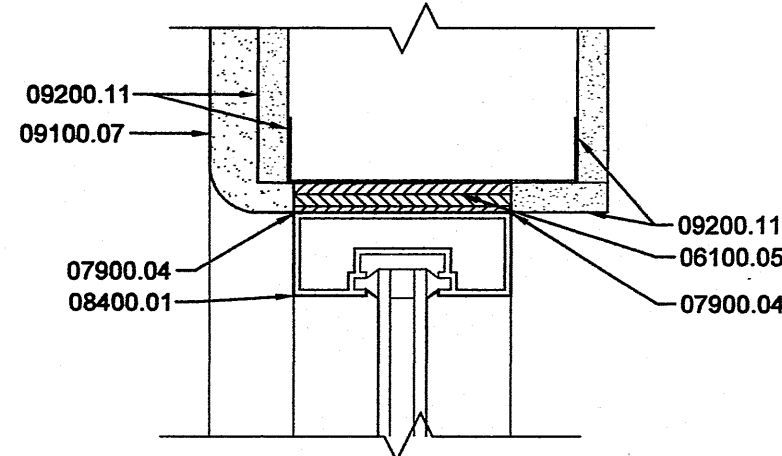
Design Review Committee	City Engineer Approval	Last Design Update	MO / DAY / YR	MO / DAY / YR	
				06/01/11	
City Project No.	P7997.03	Zone Map No.	B-17-Z	Sheet:	Of
				A-602	



KEYED NOTES

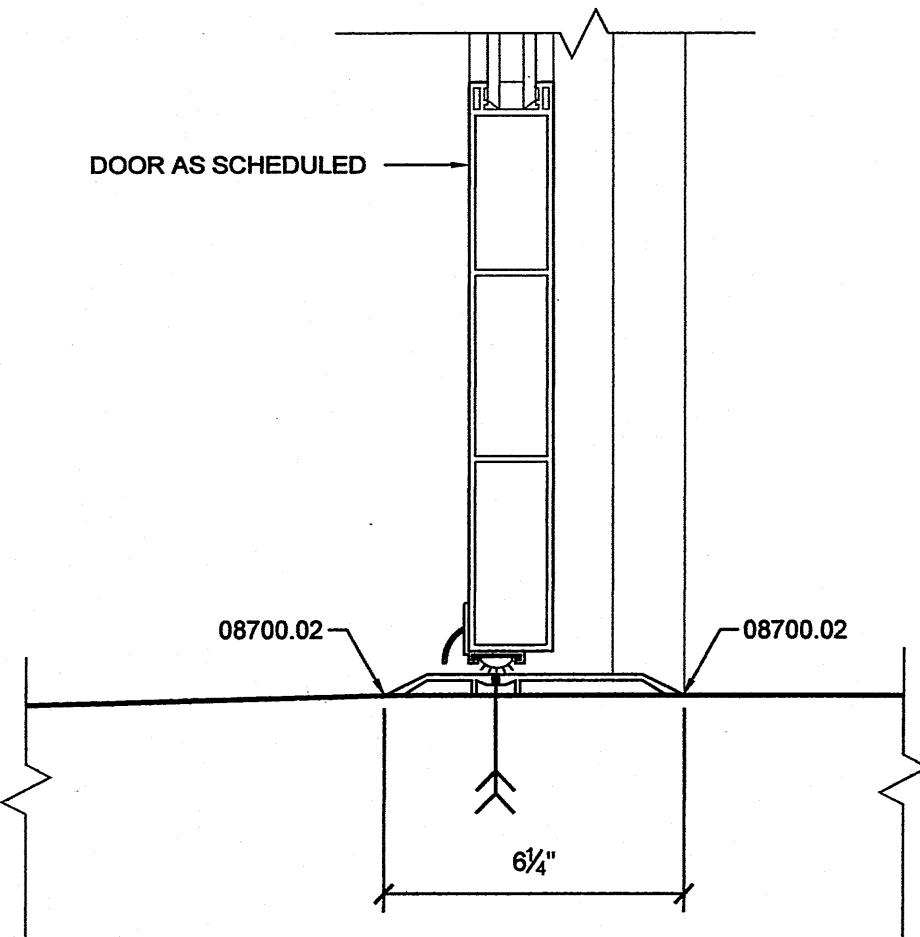
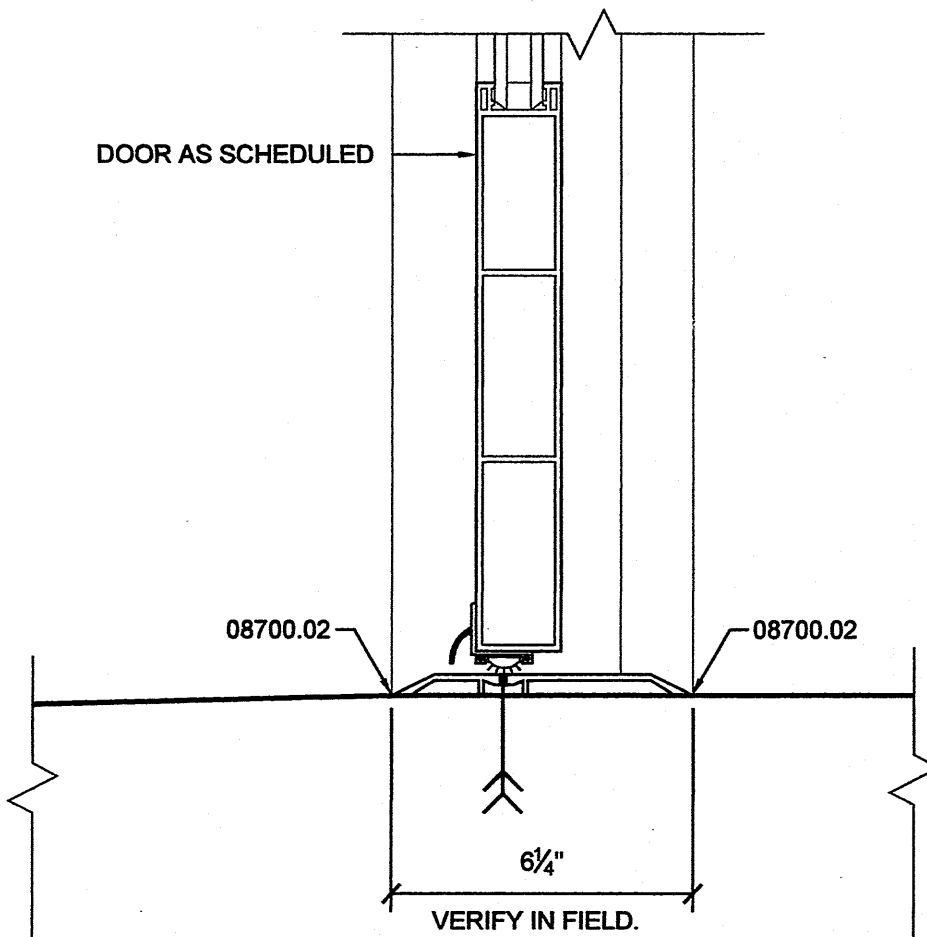
06100.05 HARD WOOD SHIM, AS NECESSARY.  
07900.04 CONTINUOUS BEAD OF SEALANT.  
08400.01 ALUMINUM STOREFRONT SYSTEM.  
08700.02 SET THRESHOLD IN FULL BED OF SEALANT.  
09100.07 EXISTING STUCCO SYSTEM TO REMAIN. PATCH/ REPAIR AS NECESSARY AROUND NEW DOOR FRAME.  
09200.11 EXISTING WALL FRAMING SYSTEM, TO REMAIN.

AS BUILT INFORMATION		BENCH MARK		SURVEY INFORMATION		FIELD NOTES		REVISIONS/REMARKS		BY		DATE		DESIGNED BY:		DRAWN BY:		CHECKED BY:		DATE:		DATE:		DATE:	
CONTRACTOR				NO.		BY														RECORDED BY		DATE:		NO.	
WORK STAKED BY																									
INSPECTOR'S APPROVAL																									
FIELD VERIFICATION BY																									
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B1 HEAD DETAIL @ NO. X106  
3" = 1'-0"

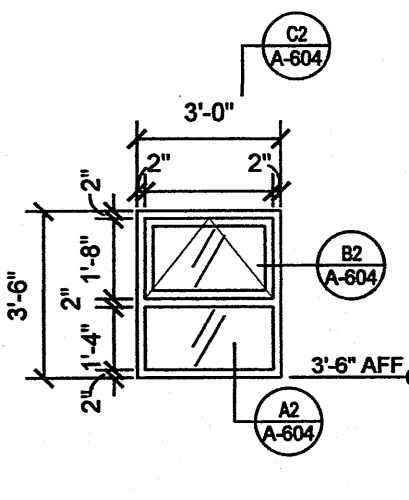
B2 HEAD/ JAMB (SIM) DETAIL @ NO. 105  
3" = 1'-0"



A1 SILL DETAIL @ NO. X106  
3" = 1'-0"

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

LEE GAMELSKY ARCHITECTS P.C. 2412 MILES ROAD SE ALBUQUERQUE, NM 87106 505.842.8865 FAX 842.1693 lee@lgam.com			
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 06/01/11
City Project No. P7997.03	Zone Map No. B-17-Z	Sheet: A-603	Of



- COMBINATION FIXED UNIT AND AWNING
- ALUMINUM STOREFRONT SYSTEM.

**A2** SILL DETAIL  
3" = 1'-0"

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	7/8" THICK WOOD SHIM.
06100.02	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.
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-FRURING EXPANDED METAL LATH. TYPICAL AT ALL NEW STUCCO LOCATIONS.
09100.05	RADIUS BULLNOSE STUCCO CORNER REINFORCING. TYPICAL. MATCH EXISTING.
09100.06	STUCCO STOP.
09200.03	EXISTING 5/8" GYP. BOARD TO REMAIN.
09200.04	1" METAL, USG NO. 200 B.
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.

LEE GAMELSKY ARCHITECTS P.C.		NO. DATE REV _____ _____ _____		DESIGNED BY: LGA DRAWN BY: JW CHECKED BY: LG
2412 MILES ROAD SE ALBUQUERQUE, NM 87106 505.842.8865 FAX 842.1693 lee@lgaarm.com				
PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK				
TITLE: <b>NEW AND EXISTING WINDOW TYPES /</b> <b>DETAILS</b>				
Design Review Committee	City Engineer Approval	Last Design Update _____ _____ _____ _____	MO / DAY / YR _____ _____ _____ _____	MO / DAY / YR 06/01/11
City Project No.	P7997.03	Zone Map No.	B-17-Z	Sheet: _____ Of _____
		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		

MATERIAL KEY	
GYP	GYP BOARD / CEMENTITIOUS BOARD
CON	CONCRETE
CT	CERAMIC TILE
VCT	VINYL COMPOSITE TILE
CPT	CARPET
CMU	CONCRETE MASONRY UNIT

FINISH KEY	
BASE	
XB-1	NO BASE.
XB-2	EXISTING 4" H RUBBER BASE.
B-2	NEW 4" H RUBBER BASE.
XB-3	EXISTING 3 1/2" H WOOD BASE.
B-3	NEW 3 1/2" H WOOD BASE, MATCH EXISTING.
XB-4	EXISTING VINYL COMPOSITE FLOORING EXTENDING UP THE WALL 4"

FLOOR	
XF-1	EXISTING EXPOSED STAINED CONCRETE FLOOR. STRIP OFF EXISTING SEALER AND APPLY NEW WESTCOAT SINGLE COAT POLYURETHANE SEALER, PRODUCT NO. SC75.
F-1	CLEAN AND ACID STAIN TO MATCH EXISTING CONCRETE FLOOR. APPLY WESTCOAT SINGLE COAT POLYURETHANE, PRODUCT NO. SC75.
XF-2	EXISTING EXPOSED CONCRETE. CLEAN.
F-2	NEW CARPET OVER EXISTING CONCRETE.
XF-3	EXISTING EPOXY TOPPING OVER CONCRETE. APPLY NEW EPOXY FINISH AT AREAS OF DEMOLITION WORK AS NOTED.
F-3	NEW CARPET OVER EXISTING WOOD FLOOR
XF-4	EXISTING CARPET TO REMAIN.
XF-5	EXISTING FLOATING HARDWOOD FLOOR OVER CONCRETE.
XF-6	EXISTING 12 X 12 CERAMIC TILE TO REMAIN.
XF-7	EXISTING VINYL COMPOSITE FLOORING TO REMIAN, REPAIR AND REFINISH DAMAGED AREAS AS NOTED.

WALLS	
XW-1	EXISTING PAINTED GYP. BD. TO REMAIN.
W-1	NEW GYP. BD.: MUD, TAPE, BED, SAND SMOOTH, LEVEL 5 GYP. BD. FINISH. PRIME AND PAINT SEMI GLOSS.
XW-2	EXISTING FIBERGLASS REINFORCED PANEL (FRP) SYSTEM. WHITE.
W-2	NEW FIBERGLASS REINFORCED PANEL (FRP) SYSTEM. WHITE. INSTALL FROM FLOOR/ TOP OF CERAMIC TILE TO CEILING (OR OTHERWISE NOTED). INSTALL 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.
XW-3	NEW PRIME AND PAINT OVER EXISTING GYP BOARD WALLS.PRIOR TO PAINTING, REMOVE ANY NAILS, SCREWS, ETC. PATCH ALL HOLES - MUD, TAPE, BED, SAND, PRIME AND PAINT. LEVEL 5 GYP. BD. FINISH.

CEILINGS	
XC-1	EXISTING SUSPENDE 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.
C-1	NEW SUSPENDE GYPSUM BOARD CEILING SYSTEM. 5/8" 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.
XC-2	EXISTING 2 X 4 SUSPENDE ACOUSTICAL PANEL CEILING TO REMAIN - FISSURED PANELS, SQUARE EDGE. REPLACE DAMAGED CEILING PANELS WITH NEW PANELS TO MATCH EXISTING.
C-2	NEW 2"x4"x5/8" SUSPENDE ACOUSTICAL PANEL SYSTEM. FISSURED PANELS, SQUARE EDGE.
XC-3	EXISTING 2 X 4 SUSPENDE ACOUSTICAL PANEL CEILING 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.
C-3	NEW 2 X 2 CEILING PANELS SET INTO EXISTING 2 X 2 SUSPENDE OPEN CEILING GRID TRACKS. TYPE: USG GLACIER.
XC-4	EXISTING EXPOSED STEEL STRUCTURE TO REMAIN. VACUUM CLEAN AND WIPE DOWN.

- GENERAL NOTES
- A. ALL NEW INTERIOR ARCHITECTURAL CONCRETE JOINTS, MULTI-PURPOSE ROOM IN MULTI-PURPOSE BUILDING AND CLASSROOMS IN BAY BUILDING, SHALL BE SAWCUT 3/8" WIDTH X 5/16" DEEP. GROUT WITH A COLORED GROUT BEFORE FINISHING/ SEALING CONCRETE.

B. PROVIDE LEVEL 5 GYP. BD. FINISH AT ALL GYP. BD. WALLS.

C. ONE CARPET MANUFACTURER / COLOR / PATTERN SHALL BE SELECTED FOR THE ENTIRE PROJECT. SEE SPECIFICATIONS.

D. A MAXIMUM OF 5 DIFFERENT INTERIOR PAINT COLORS SHALL BE SELECTED.

E. A MAXIMUM OF 3 DIFFERENT STAIN COLORS SHALL BE SELECTED FOR ALL WOODWORK/ DOORS. ALL WOODWORK TO RECEIVE A MINIMUM OF 3 COATS CLEAR POLYURETHANE FINISH.

F. A MAXIMUM OF 2 RUBBER BASE COLORS SHALL BE SELECTED.

G. PRIOR TO INSTALLING CONCRETE FINISH/ SEALER @ THE MULTI-PURPOSE ROOM AND CLASSROOMS IN THE BAY BUILDING: CONDUCT A MOISTURE TEST OF THE CONCRETE SLAB TO DETERMINE THE AMOUNT OF MOISTURE IN THE SLAB. DO NOT PROCEED WITH THE INSTALLATION OF ANY FINISHES IF THE AMOUNT OF ALLOWABLE MOISTURE EXCEEDS THE MANUFACTURERS RECOMMENDATIONS/ REQUIREMENTS.

H. AT THE EXPOSED/ SEALED CONCRETE: DO NOT APPLY CONCRETE RETARDER/SEALER/CURING COMPOUND AFTER POURING. AFTER MEDIUM-HARD TROWELING, WATER CURE CONCRETE WITH A POLYETHYLENE COVER FOR A MINIMUM OF 10 DAYS. DO NOT ALLOW CONCRETE TO FREEZE. SAW CUTTING CAN OCCUR AFTER 7 DAYS.

I. SEE ROOM FINISH SCHEDULE, A-610.

J. AT EXISTING CERAMIC TILE AREAS TO REMAIN: CLEAN TILE, FILL IN ANY MISSING GROUT, MATCH EXISTING COLOR.

K. AT AREAS WHERE CARPET TO REMAIN: SHAMPOO AND STEAM CLEAN CARPETS 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.

L.

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DRAWN BY: SRT

CHECKED BY: LG

DATE:

DATE:

DATE:

PARKS AND RECREATION DEPARTMENT FIELD OFFICE

AT BALLOON FIESTA PARK

TITLE: ROOM FINISH SCHEDULE

Design Review Committee

City Engineer Approval

Last Design Update

NO TODAY YR

NO TODAY YR

06/01/11

City Project No.

Zone Map No.

Sheet

Of

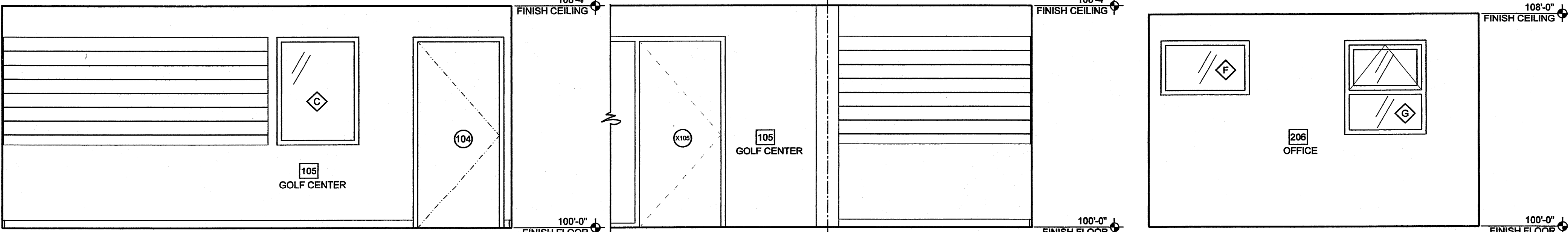
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B-17-Z

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A-601

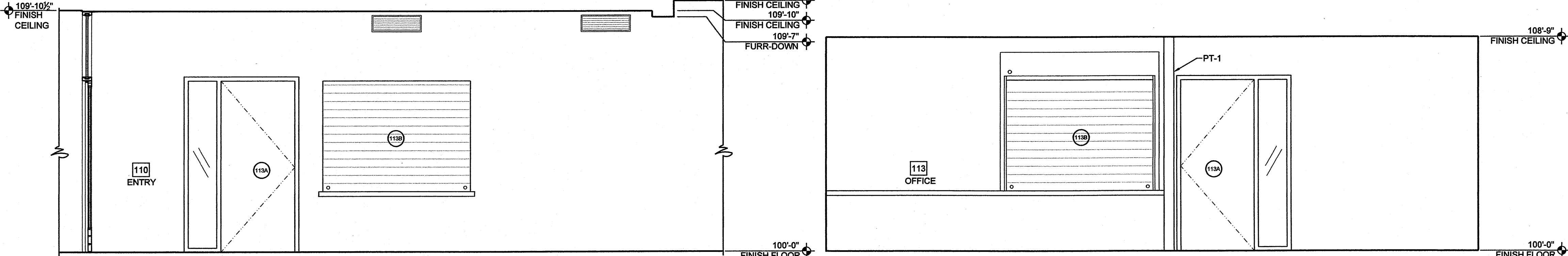
## GENERAL NOTES



**(D1) ELEVATION @ GOLF CENTER 105**  
3/8" = 1'-0"

**(D2) ELEVATION @ GOLF CENTER 105**  
3/8" = 1'-0"

**D3** ELEVATION @ OFFICE 206  
3/8" = 1'-0"



**C1** ELEVATION @ ENTRY 110  
3/8" = 1'-0"

**C3** ELEVATION @ OFFICE 113  
3/8" = 1'-0"

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

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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
				06/01/11
City Project No. P7997.03		Zone Map No. B-17-Z	Sheet: Of	I-201

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



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 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
	CEILING SUPPLY AIR DIFFUSER	AL	DUCT ACOUSTIC LINING
	CEILING RETURN AIR GRILLE	(E), or E	EXISTING
	EXHAUST REGISTER	RTU-4	NEW EQUIPMENT SYMBOL DESIGNATION; CAPACITY
	CEILING SUPPLY DIFFUSER (LAY-IN CEILING)	ERTU-4	EXISTING ROOFTOP EQUIPMENT & CAPACITY
	CEILING SUPPLY DIFFUSER (FIXED CEILING)	250 12"	CFM QUANTITY S=SUPPLY DIFFUSER; R=RETURN GRILLE; E=EXHAUST GRILLE NECK SIZE
	SIDEWALL SUPPLY REGISTER	T	ROOM THERMOSTAT (ELECTRIC)
	SIDEWALL EXHAUST REGISTER	7	KEYED NOTE SYMBOL DESIGNATION
	VANED ELBOW OR MITERED ELBOW	⊙	POINT OF CONNECTION NEW WORK TO EXISTING EQUIPMENT
	RETURN AIR OR EXHAUST DUCT THRU LOWER OR UPPER LEVEL	→	DIRECTION OF FLOW
	SUPPLY AIR DUCT THRU LOWER OR UPPER LEVEL	⊥	TOP PIPE CONNECTION, 45° OR 90°
	ROUND DUCT THRU LOWER OR UPPER LEVEL	⊥	BOTTOM PIPE CONNECTION, 45° OR 90°
	DROP IN DUCT IN DIRECTION OF AIR FLOW		FIRE DAMPER
	DUCT WIDTH BY DEPTH (IN INCHES)		

# OUTSIDE AIR CALCULATIONS

EA pre-requisite #1 MINIMUM IAG 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

$$V_{bz} = R_p \cdot P_p + R_p \cdot A_z$$

Equation 6-1

Where  $V_{bz}$  = Zone Outdoor Air Flow

$A_z$  = Floor Area (Net Occupiable Floor Area of Zone)

$P_p$  = Zone Population (Average)

$R_p$  = Outdoor Airflow Rate Required Per Person (Table 4-1)

$R_p$  = Outdoor Airflow Rate Required Per Unit Area (Table 4-1)

##### 6.2.2.2 Zone Air Distribution Effectiveness

$E_z$

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

##### 6.2.2.3 Zone Outdoor Air Flow

$$V_{bz} = V_{bz}/E_z$$

Equation 6-2

Where  $V_{bz}$  = Zone Outdoor Airflow

$V_{bz}$  = Breathing Zone Outdoor Airflow

##### 6.2.3 Single-Zone System

$$V_{bz} = V_{bz}$$

Equation 6-3

Where  $V_{bz}$  = Outdoor Air Intake Flow

$V_{bz}$  = Zone Outdoor Airflow

##### 6.2.4 100% Outdoor Air System

$$V_{bz} = \text{Sum of } V_{bz}$$

Equation 6-4

Where  $V_{bz}$  = Outdoor Air Intake Flow

$V_{bz}$  = Zone Outdoor Airflow

##### 6.2.5 Multiple-Zone Recirculating Systems:

###### 6.2.5.1 Primary Outdoor Fraction

$$Z_p = V_{bz}/V_{bz}$$

Equation 6-5

Where  $Z_p$  = Zone Primary Outdoor Airflow Fraction

$V_{bz}$  = Zone Outdoor Airflow

$V_{bz}$  = 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 Unconnected Outdoor Air Intake

$$V_{bz} = D \cdot \text{Sum of } V_{bz} \cdot P_p + R_p \cdot A_z$$

Equation 6-6

Where  $V_{bz}$  = Unconnected Outdoor Air Intake

$D$  = Diversity

###### 6.2.5.4 Outdoor Air Intake

$$V_{bz} = V_{bz}/E_v$$

Equation 6-8

Where  $V_{bz}$  = Outdoor Air Intake Flow

$V_{bz}$  = Unconnected Outdoor Air Intake

$E_v$  = System Ventilation Efficiency

Air Handling Unit	V <sub>bz</sub> Zone Primary Airflow (CFM)	Service	P <sub>p</sub> # of People	A <sub>z</sub> Area (ft <sup>2</sup> )	R <sub>p</sub> (CFM/Person)	R <sub>p</sub> (CFM/ft <sup>2</sup> )	V <sub>bz</sub> Breathing Zone Outdoor Airflow (CFM)	E <sub>z</sub> Zone Air Dist. Effectiveness	V <sub>bz</sub> Zone Outdoor Airflow (CFM)	Z <sub>p</sub> Zone Primary Outdoor Airflow Fraction (CFM)	E <sub>v</sub> System Vent. Efficiency	V <sub>bz</sub> Unconnected Outdoor Air Intake (CFM)	V <sub>bz</sub> Outdoor Airflow Intake (CFM) per zone	V <sub>bz</sub> Outdoor Airflow Intake (CFM) (per HP unit)
1,200 Entry	8	257	5.0	0.06	55	0.8	89	0.06	1.0	55	55			
Office 3	3	140	5.0	0.06	24	1.8	13	0.01	1.0	24	24			
Office 4	5	254	5.0	0.06	40	2.8	14	0.01	1.0	40	40			
Office 5	3	120	5.0	0.06	22	3.8	6	0.00	1.0	22	22			
														142
800 Entry	5	233	5.0	0.06	39	0.8	49	0.04	1.0	39	39			
Office 6	9	270	5.0	0.06	51	1.8	17	0.01	1.0	51	51			79

142

70

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-BAILLY, 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
[SI]	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.
[RI]	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	MFC/R (OR APPROVED EQUAL)	MODEL	OUTDOOR AIR SIDE				INDOOR AIR SIDE				ELECTRICAL
			CFM	EXT. PRESS. in W.C.	DB °F (sum/wheel)	WB °F (sum/wheel)	CFM	EXT. PRESS. in W.C.	DB °F (sum/wheel)	WB °F (sum/wheel)	
ERV-1	RENEWARE	GS	165	0.5	95/0	63/0	165	0.4	75/56	72/54	78
ERV-2	RENEWARE	GS	77	0.5	95/0	63/0	77	0.4	75/56	72/54	74
NOTE: <input checked="" type="checkbox"/> VIBRATION ISOLATION CURB <input checked="" type="checkbox"/> FROST PROTECTION <input checked="" type="checkbox"/> WHEEL BYPASS <input checked="" type="checkbox"/> FILTER MAINTENANCE INDICATOR SWITCH <input checked="" type="checkbox"/> FACTORY CONTROLS <input checked="" type="checkbox"/> DISCONNECTS BY ELECTRICAL CONTRACTOR. <input checked="" type="checkbox"/> SMOKE DETECTORS <input checked="" type="checkbox"/> MOTOR STARTERS <input checked="" type="checkbox"/> ERV WHEEL MAINTENANCE INDICATOR SWITCH <input checked="" type="checkbox"/> INTERFACE w/DC CONTROLS											

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

FAN COILS SCHEDULE					
TAG	MFG (O.A.E.)	MODEL	CFM	VOLTS/PH	MCA/MOCP
FC-101	LG	LMCN185HV	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

Specs on DWGS

All new interior grilles - diffusers - white! to be

Add  
Genl NOTE - Lower fire sprinkler head

We need  
Sheet INDEX

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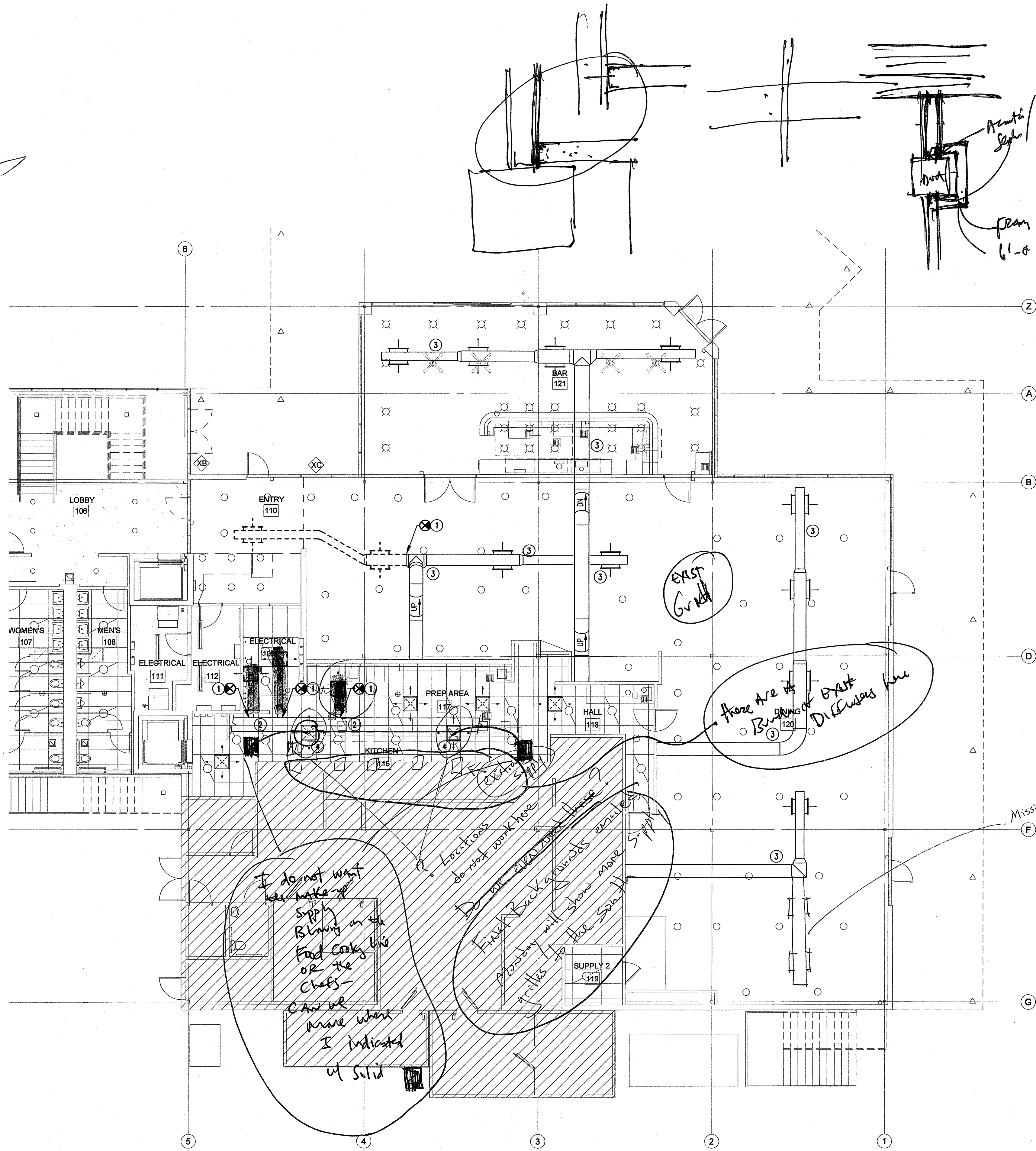
PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK	
TITLE: MECHANICAL SCHEDULES	
Design Review Committee	City Engineer Approval
City Project No. P7997.03	Zone Map No. B-17-Z
Sheet: Of	M-001
Last Design Update	
MO. / DAY / YR. 05/09/11	

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



Do we need a note here about extending down Duct and/or relocating?

Staff could do demo here?



## GENERAL NOTES

- EXISTING DUCTWORK TO BE DEMOLISHED
- EXISTING DUCTWORK TO REMAIN
- NEW DUCTWORK
- POINT OF CONNECTION OF NEW WORK TO EXISTING EQUIPMENT
- POINT OF DISCONNECT
- EXISTING DIFFUSER TO BE DEMOLISHED
- EXISTING DIFFUSER TO REMAIN

- THE CONTRACTOR SHALL COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
- IN THE EVENT OF UNFORESEEN CONDITIONS THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND PROVIDE THE DOCUMENTATION NECESSARY FOR RESOLUTION.
- 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.
- 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.
- OWNER SHALL HAVE FIRST RIGHT FOR REFUSAL OF ANY REMOVED EQUIPMENT.
- THE OWNER IS ENTITLED TO SALVAGE AND OR REMOVED HARDWARE, FIXTURES, AND EQUIPMENT FROM ALL AREAS OF THIS CONTRACT PRIOR TO DEMOLITION.
- EXISTING REMOVED EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM SITE AND DISPOSED OF BY CONTRACTOR.
- THE TERM "REMOVE" MEANS "REMOVE AND FULLY DISPOSE OF" UNLESS NOTED OTHERWISE.
- AT THE END OF THE PROJECT THE CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT SET OF DRAWINGS.
- ALL EXISTING DIFFUSERS TO BE REMOVED SHALL BE CLEANED, AND REUSED AS INDICATED ON SHEET M-201 WHEREVER POSSIBLE.

## KEYED NOTES

- POINT OF DISCONNECT FOR REMOVAL OF EXISTING DUCTWORK. SEE SHEET M-201 FOR NEW DUCTWORK POINT OF CONNECTION. DUCT TO BE CAPPED.
- EXISTING EVAPORATIVE COOLING DUCTWORK TO REMAIN.
- DUCT TO REMAIN
- NEW LOCATION OF RELOCATED DIFFUSER CONNECT TO EXISTING EMP. DUCT AND SET AT ORIGINAL CFM.

See Architectural Drawings for Primary Notes of Ductwork

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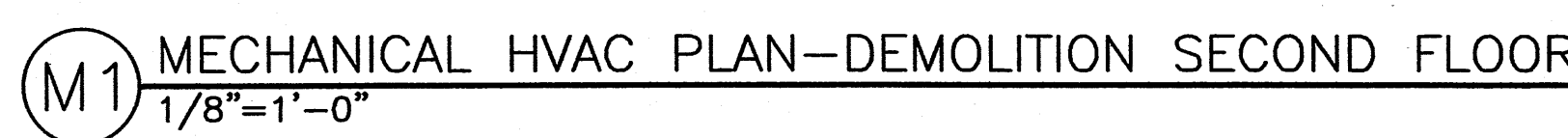
PARKS AND RECREATION DEPARTMENT FIELD OFFICE  
AT BALLOON FIESTA PARK

TITLE: MECHANICAL DEMOLITION PLAN  
-LEVEL 1

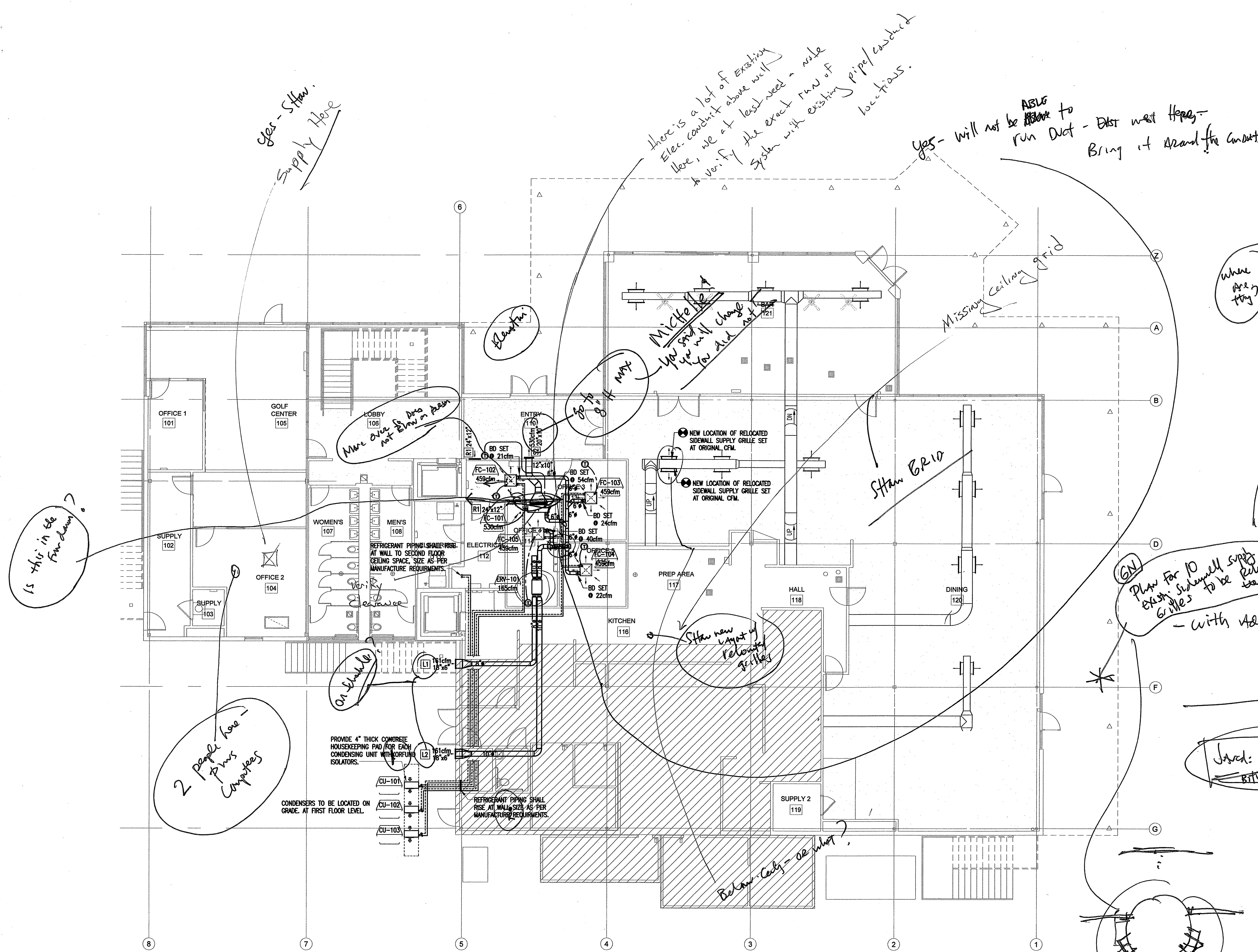
Design Review Committee	City Engineer Approval	MO. / DAY / YR.	MO. / DAY / YR.
		05/09/11	
City Project No.	Zone Map No.	Sheet	or
P7997.03	B-17-Z		M-101

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





Design Review Committee	City Engineer Approval	Last Design Update	MO. / DAY / YR.	MO. / DAY / YR.
				05/09/11
City Project No. P7997.03		Zone Map No. B-17-Z	Sheet: Of M-102	



GENERAL NOTES

- EXISTING DUCTWORK TO BE DEMOED
- EXISTING DUCTWORK TO REMAIN
- NEW DUCTWORK
- 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. ALL ROOF PENETRATIONS SHALL BE FLASHED AND COUNTER FLASHED AS REQUIRED TO BE WATER TIGHT.
- C. VERIFY EQUIPMENT CONFIGURATION REQUIREMENTS BEFORE INSTALLATION. DUCT CONNECTIONS SHALL BE MADE AS REQUIRED.
- D. GAUGE OF DUCT WORK SHALL BE PER SMACNA'S RECOMMENDATIONS.
- E. MOUNT T'STATS AT 4" ABOVE FINISH FLOOR LEVEL.
- F. WIRING OF SMOKE DETECTORS BY ELECTRICAL CONTRACTOR.
- G. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- H. ALL SUPPLY REGISTERS WILL HAVE BALANCING DAMPERS.
- I. ALL EXPOSED DUCTWORK TO BE PAINT GRIP STEEL. COLOR TO BE SPECIFIED BY ARCHITECT.
- J. ALL DUCT PENETRATIONS BETWEEN FIRST AND SECOND TO BE PROVIDED WITH SMOKE FIRE DAMPER AT PENETRATION.
- K. ALL DUCT LOCATED ON ROOF TO HAVE 1" FIBERGLASS, ENCASED IN METAL JACKETING.
- L. ALL MATERIALS IN PLENUM SHALL HAVE A FLAME-SPREAD INDEX OF LESS THAN 25 AND SMOKE-DEVELOPED RATING INDEX LESS THAN 50. THEREFORE, PLENUM IS RATED TO ALLOW FOR PLENUM RETURN AIR FLOW IN COMPLIANCE WITH 602.2.
- M. ALL EXISTING DIFFUSERS TO BE REMOVED, CLEANED, AND REUSED AS INDICATED ON SHEET M-201 WHEREVER POSSIBLE.

KEYED NOTES

add note that Party Ductwork/grilles exist

Plan for 10 existing sidewall supply grilles to be relocated Below Cals Grid - in addition to what is indicated to be relocating - with adding New Cals Panels - Any concern - need to change supply grilles at the Ductwork?

Label: you need Genl Rng Notes / for BTR/Armed



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PARKS AND RECREATION DEPARTMENT FIELD OFFICE  
AT BALLOON FIESTA PARK

TITLE: MECHANICAL PLAN - LEVEL 1

Design Review Committee	City Engineer Approval	MO. / DAY / YR.	MO. / DAY / YR.
			05/09/11
City Project No.	Zone Map No.	Sheet	Of
D7007.02	D 17 7		M 201

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



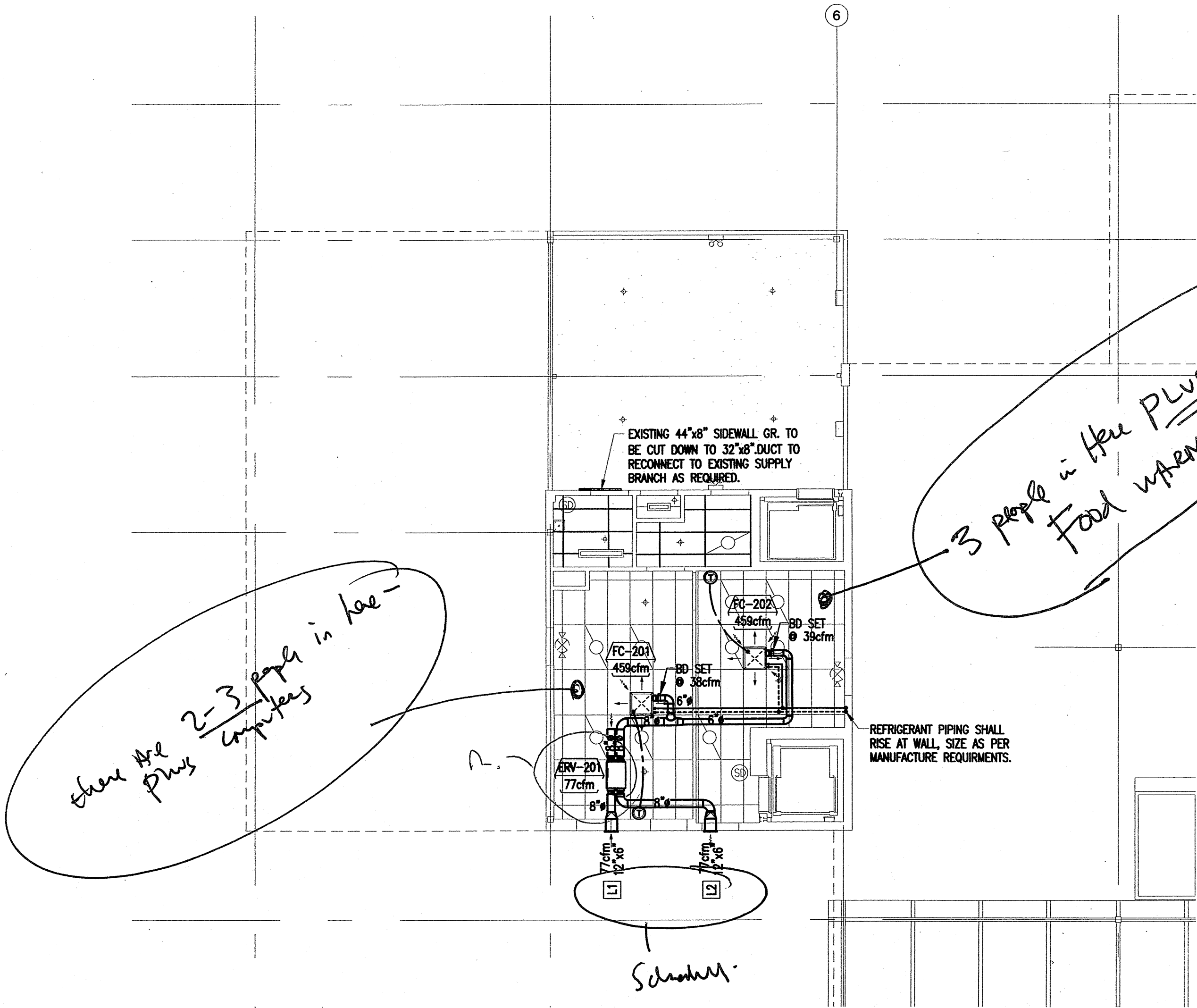
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- M. ALL EXISTING DIFFUSERS TO BE REMOVED SHALL BE CLEANED, AND REUSED AS INDICATED ON SHEET M-201 WHEREVER POSSIBLE.

KEYED NOTES

1



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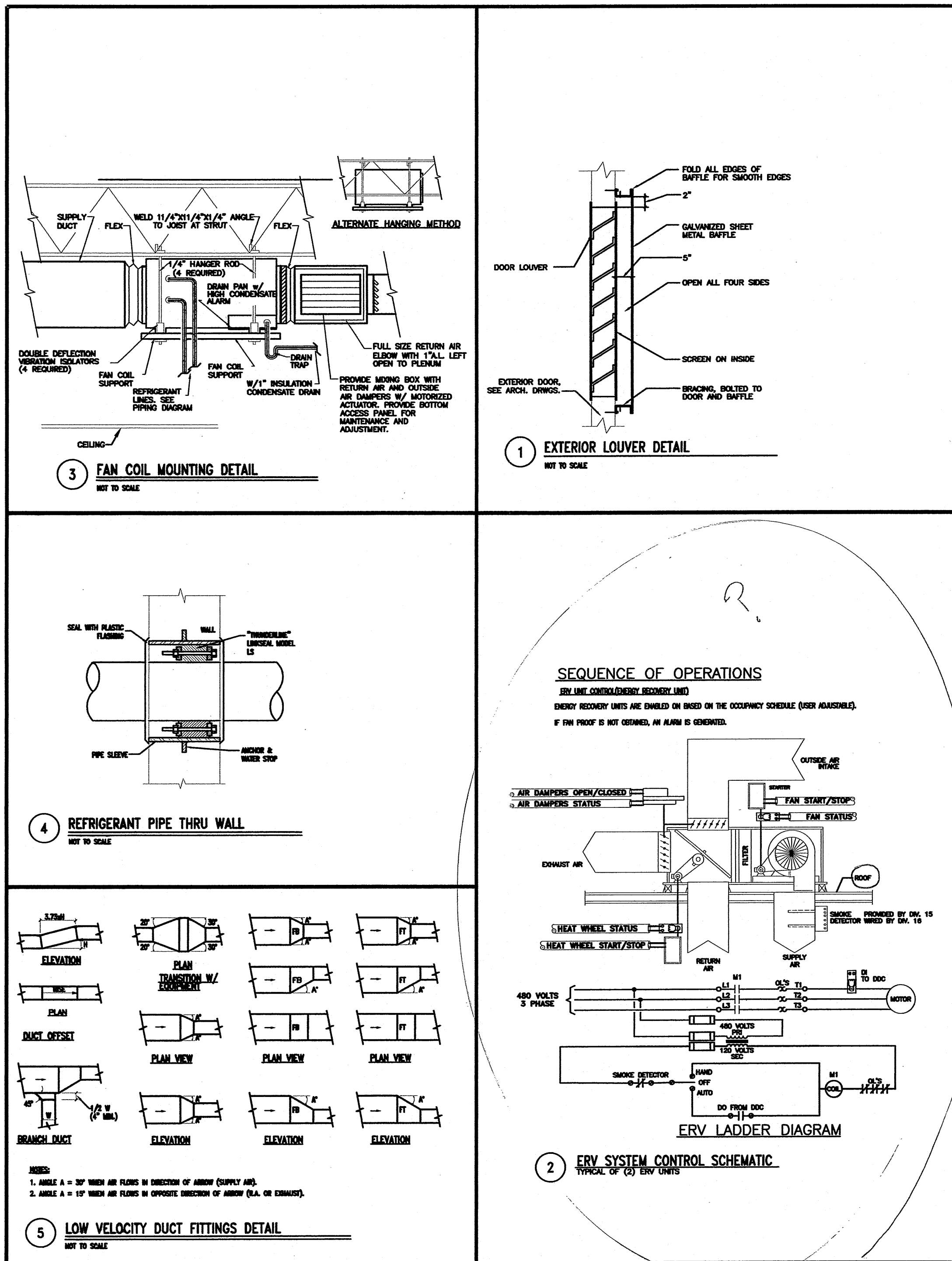


PARKS AND RECREATION DEPARTMENT FIELD OFFICE  
AT BALLOON FIESTA PARK

TITLE: MECHANICAL PLAN - LEVEL 2

Design Review Committee	City Engineer Approval	MO / DAY / YR	MO / DAY / YR
			05/09/11
City Project No.	Zone Map No.	Sheet	Of
D7007 02	D 17 7		M 202

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



Do we need a Mounting Detail for Condenser + Conv. Curb?

Yes

By Arsed

AECC Calculation

SECTION 503 BUILDING MECHANICAL SYSTEMS SECTION 503.0 Simple Systems

503.2.5 Ventilation

503.2.6 Energy recovery ventilation

503.2.7 Duct and plenum insulation and sealing

503.2.8 Piping insulation

503.2.9 HVAC system completion

503.2.9.1 Air system balancing

503.2.9.2 Hydronic system balancing

503.2.9.2 Manuals

503.2.4.3.1 Thermostatic setback capabilities

503.2.4.3.2 Automatic setback and shutdown capabilities

503.2.4.4 Shutoff damper controls

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE  
AT BALLOON FIESTA PARK

TITLE: MECHANICAL DETAILS

Design Review Committee

City Engineer Approval

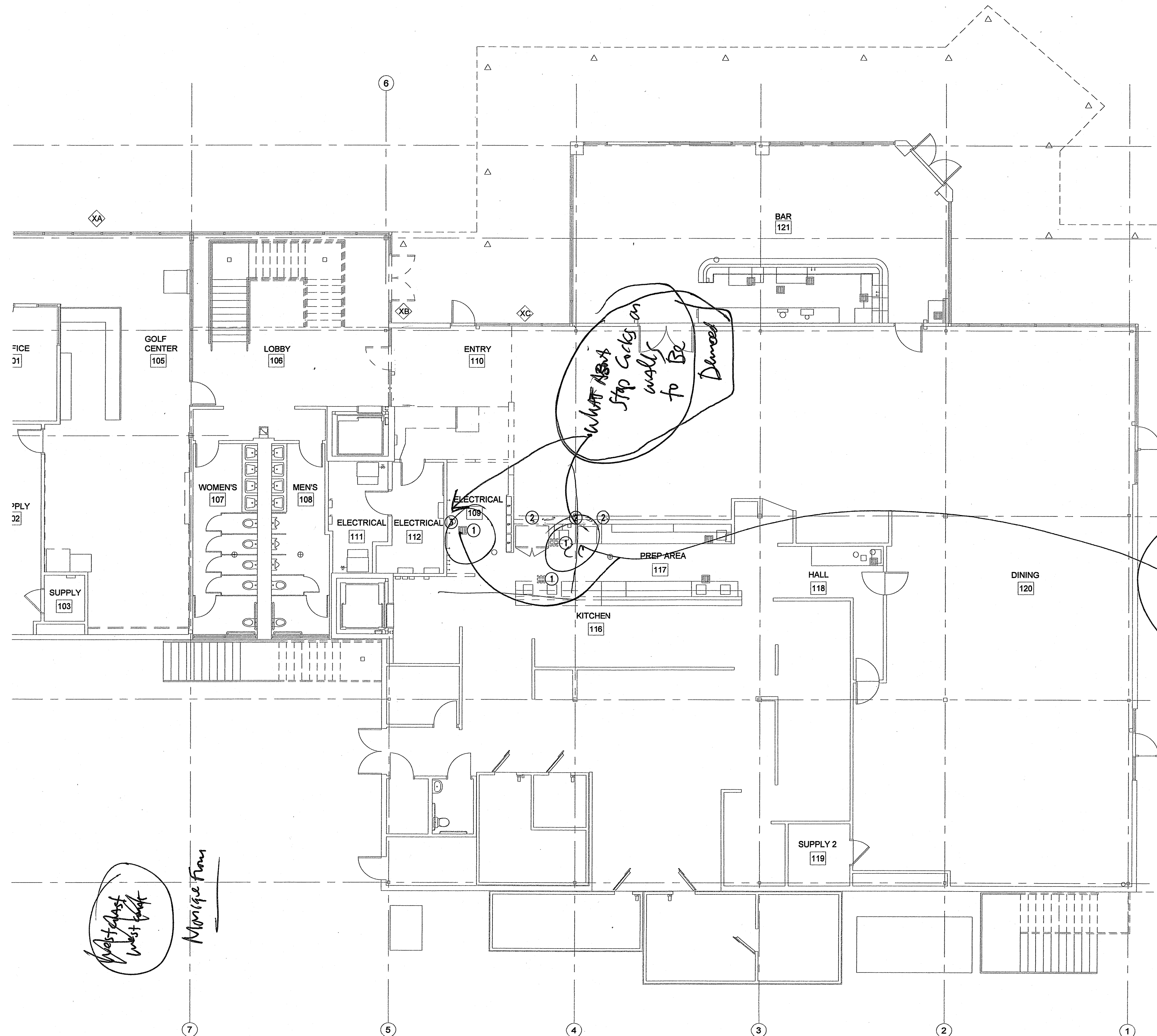
City Project No. P7997.03

Zone Map No. B-17-Z

Sheet: M-301

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# GENERAL DEMOLITION NOTES

- 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.
- THE TERM "REMOVE" MEANS "REMOVE AND FULLY DISPOSE OF" UNLESS OTHERWISE NOTED.
- EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM SITE AND DISPOSED OF BY CONTRACTOR.
- 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.
- CONTRACTOR SHALL ROD OUT EXISTING SANITARY MAIN AFTER DEMOLITION IS COMPLETED.

# KEYED NOTES

- APPROXIMATE LOCATION 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.
- 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.
- 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.

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE  
AT BALLOON FIESTA PARK

TITLE: PLUMBING DEMOLITION PLAN  
-LEVEL 1

Design Review Committee	City Engineer Approval	MO. / DAY / YR.	MO. / DAY / YR.
			05/09/11
City Project No.	Zone Map No.	Sheet	Of
P7997.03	B-17-Z		P-101

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



Dimmable light in Dining

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
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 DESCREPARNCIES BETWEEN CONTRACT DOCUMENTS AND ANY ASSOCIATED LEGAL OR SAFETY REQUIREMENTS HE SHALL PROMPTLY NOTIFY 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 RESPONSIBILITY FOR THIS WORK AND SHALL PROMPTLY 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 DISCREPARNCIES 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 THOROUGHLY 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 WIRING 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 SUPPORT 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. DAMPWET 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 JUMPEERS, 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.
- EXIT LIGHT. ARROWS INDICATE DIRECTIONAL ARROW ON FIXTURE.
- 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".
- THERMAL O.L. SWITCH
- 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.
- 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.
- TELEVISION OUTLET MOUNTED ON WALL. SEE PLANS
- TELEPHONE CONDUIT TO BACKBOARD, 1" MIN. WITH PULL WIRE.
- COMPUTER CONDUIT, 1" MIN. WITH PULL WIRE.
- TELEVISION CONDUIT, 1" MIN. WITH PULL WIRE.
- FIRE ALARM PULL STATION UP +48" SEE SPECS AND PLANS
- FIRE ALARM STROBE UP +80", SEE SPECS AND PLANS
- FIRE ALARM HORN/STROBE UP +80" SEE SPECS AND PLANS
- FIRE ALARM SMOKE DETECTOR. COMINATION IONIZATION/ PHOTOELECTRIC
- FIRE ALARM DUCT DETECTOR.
- FIRE ALARM HEAT DETECTOR.
- FIRE ALARM CONDUIT REFER TO SPECIFICATIONS 16721 AND #14 FOR SIGNAL
- 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.
- PAD MOUNTED TRANSFORMER
- MOTOR CONNECTION, FRACTIONAL H.P (LESS THAN 1/3 HP)
- MOTOR CONNECTION WITH HP INDICATED.
- 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.
- HOME RUN TO PANEL, WITH BRANCH CIRCUIT NUMBERS INDICATED.
- KEYED NOTE SYMBOL
- MECHANICAL EQUIPMENT SYMBOL

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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	
City Project No.		Zone Map No.	
P7997.03		B-17-Z	
		Sheet: Or	
		E-001	



SHEET SPECIFICATIONS

SECTION 16100 - 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. UNDERWRITERS' LABORATORIES (UL): ALL MATERIALS, APPLIANCES, EQUIPMENT OR DEVICES SHALL CONFORM TO THE APPLICABLE STANDARDS OF UNDERWRITERS' 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 MANUFACTURERS' 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 DRAWINGS 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 16100

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 16100, 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 LOCKWOT 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 RESILIENT 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 CABLE 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 5 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 THIRTYTHREE 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-BRED, 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 IDENT 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 WITH 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, NOT 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 ACCOMMODATE 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 16400 - GROUNDING

PART 1 - GENERAL

1.01 RELATED WORK IN OTHER SECTIONS

A. SECTION 16100, 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 CONNECTIONS 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 CONNECTORS 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 COATINGS MUST BE REMOVED DOWN TO THE BARE 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 16400

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 TS, 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 CLEANUP

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		BENCH MARK		SURVEY INFORMATION		FIELD NOTES		REVISIONS/REMARKS		BY		DATE		DESIGNED BY: LG		DATE: 06/01/11		DRAWN BY: ACE		DATE: 06/01/11		CHECKED BY: LG		DATE: 06/01/11											
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.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.										
<div>LEE GAMESKY ARCHITECTS P.C. 2412 MILES ROAD SE ALBUQUERQUE, NM 87106 505.842.8865 FAX 842.1693 lee@lgam.com</div> <div><b>AC ENGINEERING ENTERPRISES, LLC</b> 120 Aliso Drive, SE Albuquerque, New Mexico 87108 Phone 505.842.5797 Facsimile 505.842.5797</div>																																			
PARKS AND RECREATION DEPARTMENT FIELD OFFICE AT BALLOON FIESTA PARK																																			
TITLE: SHEET SPECIFICATIONS																																			
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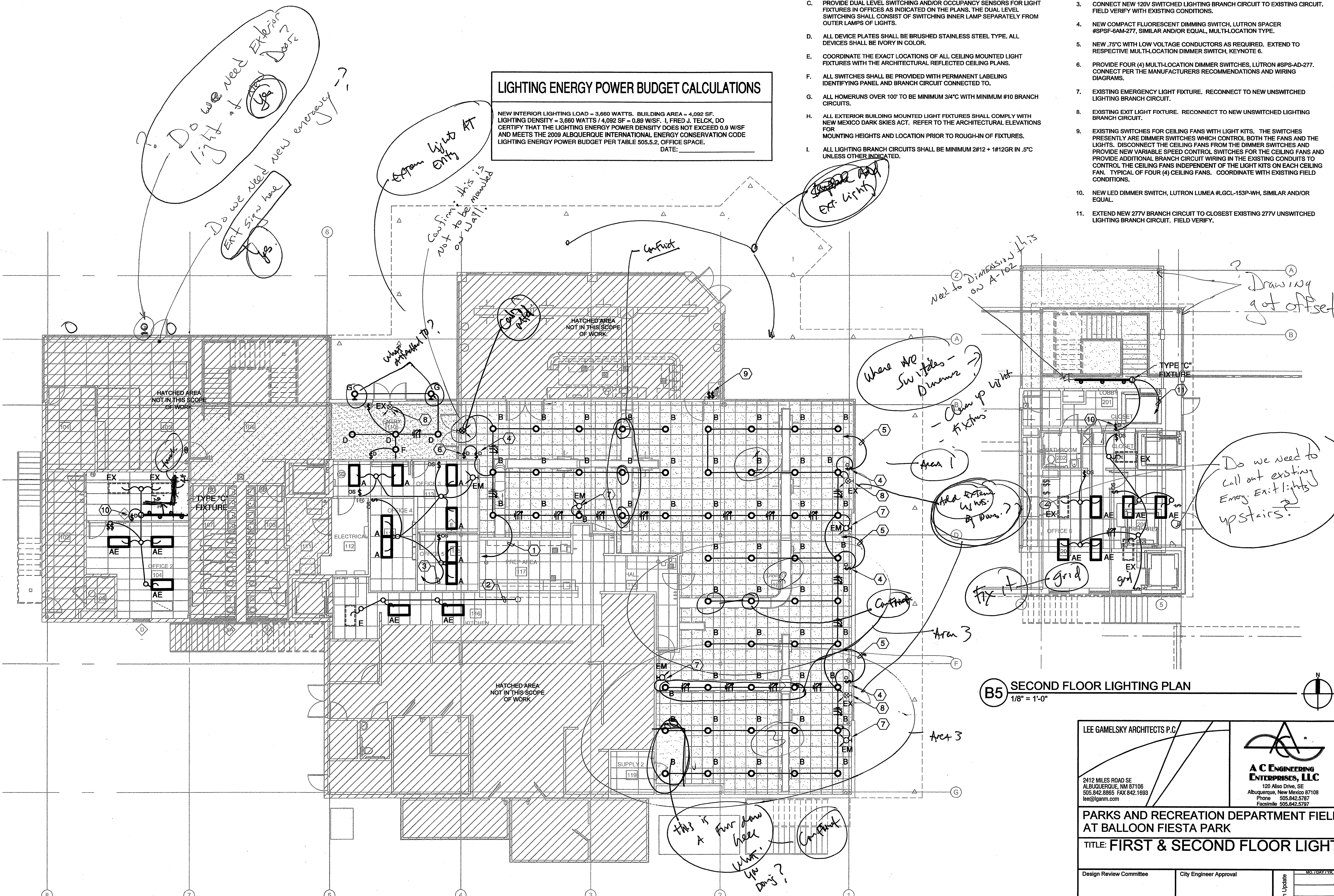


- A. ALL LAY-IN GRID TROFFERS SHALL HAVE FLEXIBLE CONDUIT CONNECTION WITH MINIMUM #12 BRANCH CIRCUITS AND MINIMUM #12 GROUND - NO EXCEPTIONS.
- B. EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED MAXIMUM 8'-0" AFF.
- C. PROVIDE DUAL LEVEL SWITCHING AND/OR OCCUPANCY SENSORS FOR LIGHT FIXTURES IN OFFICES AS INDICATED 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" 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" UNLESS OTHER INDICATED.

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 #L-GCL-153P-WH, SIMILAR AND/OR EQUAL.
11. EXTEND NEW 277V BRANCH CIRCUIT TO CLOSEST EXISTING 277V UNSWITCHED LIGHTING BRANCH CIRCUIT. FIELD VERIFY.

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: \_\_\_\_\_


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LIGHTING ENERGY POWER BUDGET PER TABLE 505.5.2, OFFICE SPACE.  
DATE: \_\_\_\_\_



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

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

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PARKS AND RECREATION DEPARTMENT FIELD OFFICE  
AT BALLOON FIESTA PARK

TITLE: FIRST & SECOND FLOOR LIGHTING PLAN

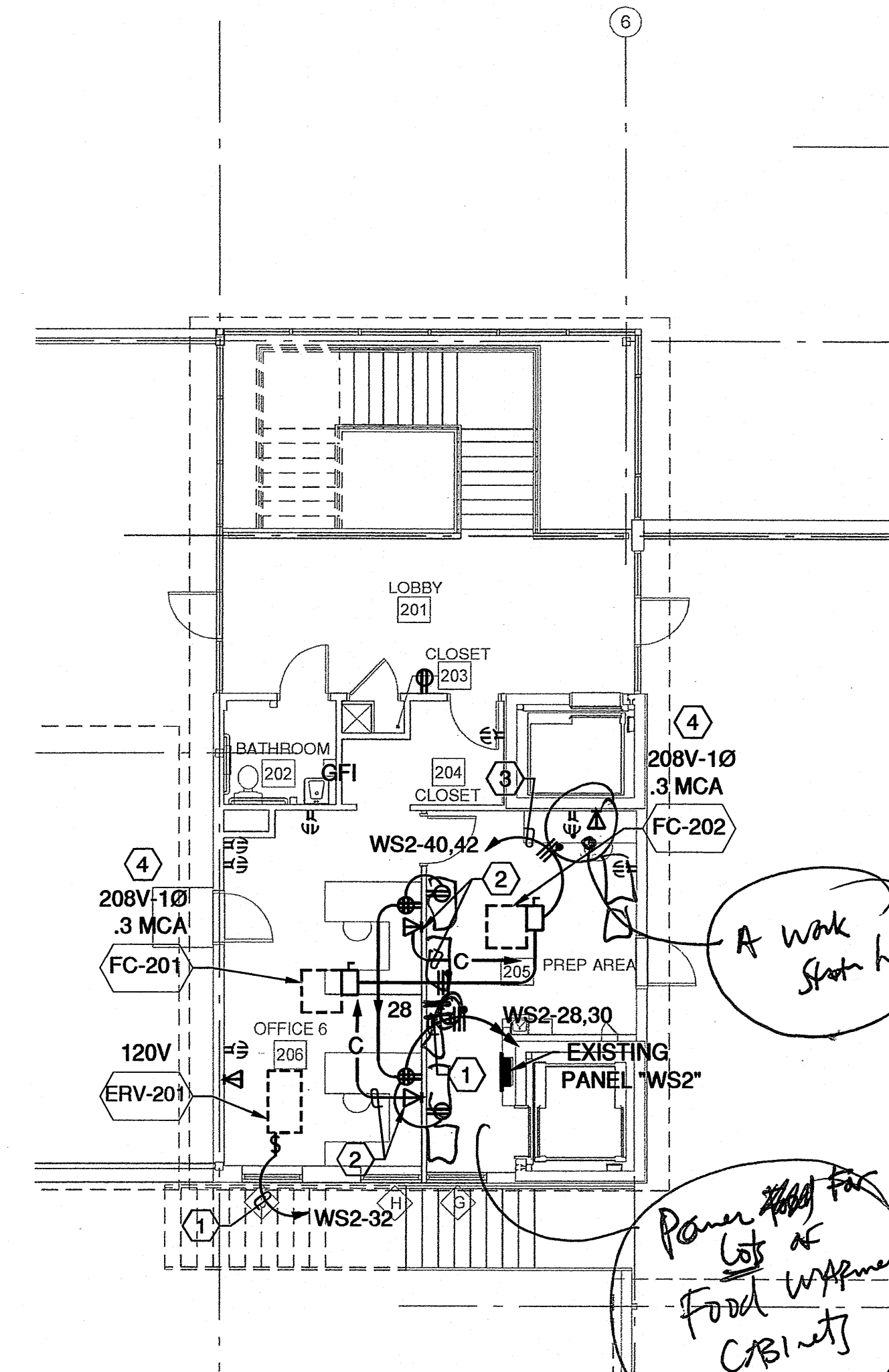
Design Review Committee	City Engineer Approval	Last Design Update	MO, DAY/YR	MO, DAY/YR
				06/01/11
City Project No.	P7997.03	Zone Map No. B-17-Z	Sheet:	Of E-101


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- 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.

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" 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. PROVIDE CONNECTIONS TO THE NEW FAN COIL LUGS 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 TO THE 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.



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TITLE: **FIRST FLOOR POWER PLAN**

Design Review Committee	City Engineer Approval	Last Design Update	MO / DAY / YR	MO / DAY / YR	
				06/01/11	
City Project No.	P7997.03	Zone Map No.	B-17-Z	Sheet:	Of
					EP-101

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

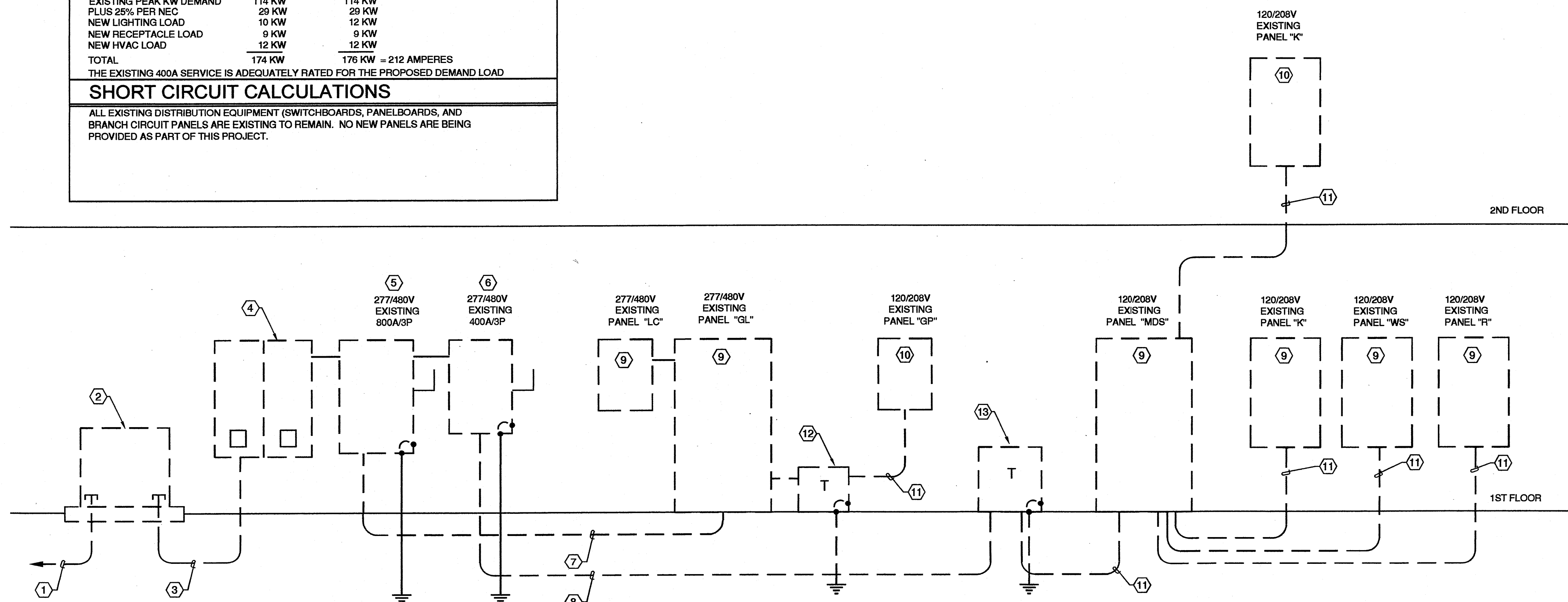
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PANEL SCHEDULE												
PANEL: "GP"			LOCATION: BALLOON FIESTA			VOLTS: 120 / 208			3 PH 4 W			
NO. POLES: 42			ELECTRICAL ROOM 1ST FLOOR			10 KA MINIMUM INTERRUPTING CAP.			MAIN CIRCUIT BREAKER - 150A/3P			
BUS RATING: 250A									MOUNTING: SURFACE - 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	SPARE
EC-1,2	300	M	20/1	1	17	C	18	1	20/1	A	1900	SPARE
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
SPACE ONLY				1	33	B	34	1	20/1			SPARE
SPACE ONLY				1	35	C	36	1	20/1			SPARE
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
		DEMAND	ESTIMATED		CONNECTED							
LOAD SUMMARY	TOTAL	FACTOR	MAX. DEMAND		PHASE LOADING							
P=PANELS	0.0	1.00	0.0		PHASE A: 13352.0							
L=LIGHTING	0.0	1.00	0.0		PHASE B: 12372.0							
R=RECEPTACLES	12.5	0.65	11.3		PHASE C: 14119.0							
A=APPLIANCES	10.5	1.00	10.5		Both panels - total 39.8 KVA							
M=MOTORS	16.8	1.00	16.8									
0=SPARE	0.0	1.00	0.0									
TOTAL	39.8 KVA		38.6 KVA									
					EST. MAX. DEM:				38.6 KVA			
					0% SPARE:				0.0 KVA			
					E.M.D. + SPARE:				38.6 KVA			
					POWER FACTOR:				1.00			
					EST. MAX. DEM.:				107.1 AMPS			

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

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

PANEL SCHEDULE														
PANEL: "WS2"		LOCATION: BALLOON FIESTA		VOLTS: 120 / 208		3 PH 4 W								
NO. POLES: 42				10 KA MINIMUM INTERRUPTING CAP.		MAIN LUGS ONLY - 250A								
BUS RATING: 250A						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)		
<b>LOAD SUMMARY</b>		<b>TOTAL</b>	<b>DEMAND FACTOR</b>	<b>ESTIMATED MAX. DEMAND</b>	<b>CONNECTED PHASE LOADING</b>			<b>EST. MAX. DEM.:</b>						
P=PANELS	0.0		1.00	0.0	PHASE A: 15680.0			43.4 KVA			43.4 KVA			
L=LIGHTING	0.0		1.00	0.0	PHASE B: 13930.0			0% SPARE: 0.0 KVA			0.0 KVA			
R=RECEPTACLES	6.0		1.00	6.0	PHASE C: 13800.0			E.M.D. + SPARE: 43.4 KVA			43.4 KVA			
A=APPLIANCES	36.6		1.00	36.6	Both panels - total 43.4 KVA			POWER FACTOR: 1.00			1.00			
M=MOTORS	0.8		1.00	0.8				EST. MAX. DEM.:			120.5 AMPS			
0=SPARE	0.0		1.00	0.0										
<b>TOTAL</b>		<b>43.4 KVA</b>		<b>43.4 KVA</b>										

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.

## GENERAL NOTES

- 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.
- ALL 120/208V PANELBOARDS SHALL HAVE MINIMUM 10KAIC RATING, UNLESS OTHERWISE NOTED. ALL 277/480V PANELBOARDS SHALL HAVE 14KAIC RATING, UNLESS OTHERWISE NOTED. ALL SWITCHBOARDS SHALL HAVE MINIMUM 65KAIC RATING, UNLESS OTHERWISE NOTED.
- ALL PANELBOARDS SHALL HAVE COPPER BUS, BOLT-IN BREAKERS, AND DOOR-IN-DOOR CONSTRUCTION. ALL SURFACE PANELS IN THE FINISHED AREAS SHALL BE PLACED WITH SKIRTS FLOOR-TO-CEILING (FIELD VERIFY DIMENSIONS), AND ELSEWHERE AS NOTED ON THE PLANS.
- 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 "0" SHALL BE INDICATED ON DIRECTORY WITH ERASABLE PENCIL (NOT TYPED).
- 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.
- 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.
- 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.
- 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:
  - FOR 120/208V: PHASE A - BLACK, PHASE B - RED, PHASE C - BLUE, NEUTRAL - WHITE, EQUIPMENT GROUND - GREEN.
  - FOR 277/480V: PHASE A - BROWN, PHASE B - ORANGE, PHASE C - YELLOW, NEUTRAL - OFF-WHITE, EQUIPMENT GROUND - GREEN.
- ALL CONDUCTORS IN PANELBOARDS SHALL BE NEATLY INSTALLED AND TIE-WAPPED WITHIN PANELBOARDS.

## KEYED NOTES

- EXISTING PNM PRIMARY REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.
- EXISTING PNM PAD MOUNT TRANSFORMER REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.
- EXISTING SECONDARY SERVICE ENTRANCE CONDUCTORS. NO WORK. SHOWN FOR REFERENCE ONLY.
- EXISTING CT/METER ENCLOSURE. NO WORK. SHOWN FOR REFERENCE ONLY.
- EXISTING 800A/3P MAIN NO. 1 (DISCONNECT SWITCH) REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.
- EXISTING 400A/3P MAIN NO. 2 (DISCONNECT SWITCH) REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.
- 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.
- EXISTING SECONDARY FEEDER FROM MAIN NO. 2 TO EXISTING 300KVA DT TRANSFORMER, 3-500KCMIL + 1#2 GR IN 3". NO WORK. SHOWN FOR REFERENCE ONLY.
- EXISTING PANELBOARD REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.
- 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.
- EXISTING SECONDARY FEEDER. NO WORK. SHOWN FOR REFERENCE ONLY.
- EXISTING 45 KVA DRY TYPE TRANSFORMER REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.
- EXISTING 300KVA DRY TYPE TRANSFORMER REMAINS. NO WORK. SHOWN FOR REFERENCE ONLY.

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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	MO/TWY/YR	MO/TWY/YR
			06/01/11
City Project No.	Zone Map No.	Sheet:	Of
P7997.03	B-17-Z		E-501