

EXISTING

PANEL: L4			PANEL VOLTAGE: 208/120 3 φ 4 W										CIRCUIT CODE: blank or N : NON-CONTINUOUS																
			BUS: 150A										L : LONG-CONTINUOUS																
			MAINS: L.O.										LOCATION: STAFF OFFICE																
			AIC RATING: 10,000										MOUNTING: SURFACE																
													R : DEMANDABLE RECEPTACLES																
													K : KITCHEN NO. OF EQUIPMENT: 0																
CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					C O N N E C T E D V A										LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO		
				DESCRIPTION (NOTE) M R L					ΦA	ΦB	ΦC	A	B	C	ΦA	ΦB	ΦC	L	R	M	(NOTE) DESCRIPTION								
1	R	20	1	KITCHEN REFRIGERATOR					1000								720								RECEPTS	20	1	R	2
3	R	20	1	EXISTING						360								720							PLUG STRIP	20	1	R	4
5	R	20	1	EXISTING								360								1000					MICROWAVE	20	1	N	6
7	R	20	1	MAIN OFFICE RECEP					1080									720							RECEPTS	20	1	R	8
9	N	20	1	EXISTING							500									540					OFFICE RECEP	20	1	R	10
11	N	20	1	EXISTING								500													SPACE	20	1	R	12
13	N	20	1	EXISTING						500									1080						KITCHEN RANGE	20	1	R	14
15	N	20	1	SPARE																1080							2	R	16
17	N	20	1	EXISTING									500												SPACE				18
19	N	20	1	EXISTING						500									1200						TREADMILL	20	1	R	20
21	R	20	1	OFFICE RECEP	①						720								1200						TREADMILL	20	1	R	22
23	R	20	1	N/W HEATER										1500							1080				FRONT OFFICE RECEP	20	1	R	24
25	R	20	1	RECEPTS RM B						720															SPACE				26
27	N	20	1	REFRIGERATOR							800														SPACE				28
29	N	20	1	MICROWAVE									1000												SPACE				30
31	R	20	1	SCORE BOARD							900														SPACE				32
33	N	20	1	FRONT SOFFIT								900													SPACE				34
35	N	20	1	EXISTING									900												SPACE				36
37	R	20	1	OFFICE RECEP	①						360														SPACE				38
39	N	20	1	VENDING MACHINE	②							1200													SPACE				40
41	N	20	1	VENDING MACHINE	②								800												SPACE				42
PANEL NOTES:				PHASE TOTALS					ΦA:	8780	ΦB:	8020	ΦC:	7640	TOTAL CONNECTED VA										24440				
① NEW OFFICE RECEP				FOR RELOCATED OFFICE EQUIPMENTS.										CONNECTED VA (CODE N)										9100					
② RELOCATED VENDING MACHINE LOAD.														CONNECTED VA (CODE L)										0					
														CONNECTED VA (CODE R)										15340					
														CONNECTED VA (CODE K)										0					
														PANEL CONNECTED KVA										24.4					
														PANEL DEMAND KVA										21.8					
														PANEL DEMAND AMPS										60.5					
														HIGH φ AMPS W/DEMAND										73.2					



COMcheck Software Version 4.0.0
Interior Lighting Compliance
Certificate

Section 1: Project Information

Energy Code: 2009 IECC
Project Title: Dula Gymnasium Remodel
Project Type: Alteration

Construction Site:
441 East Bonanza Rd.
Las Vegas, NV 89101

Owner/Agent:
City of Las Vegas

Designer/Contractor:
City of Las Vegas

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Office (Gymnasium)	696	1.1	766
Total Allowed Watts =			766

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Office (Gymnasium 696 sq.ft.)				
LED 1: LED PAR 15W:	1	19	15	285
Total Proposed Watts =				285

Section 4: Requirements Checklist

Interior Lighting PASSES

Lighting Wattage:

1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
766	285	PASSES

Controls, Switching, and Wiring:

2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Exceptions:

- Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.

4. Independent controls for each space (switch/occupancy sensor).

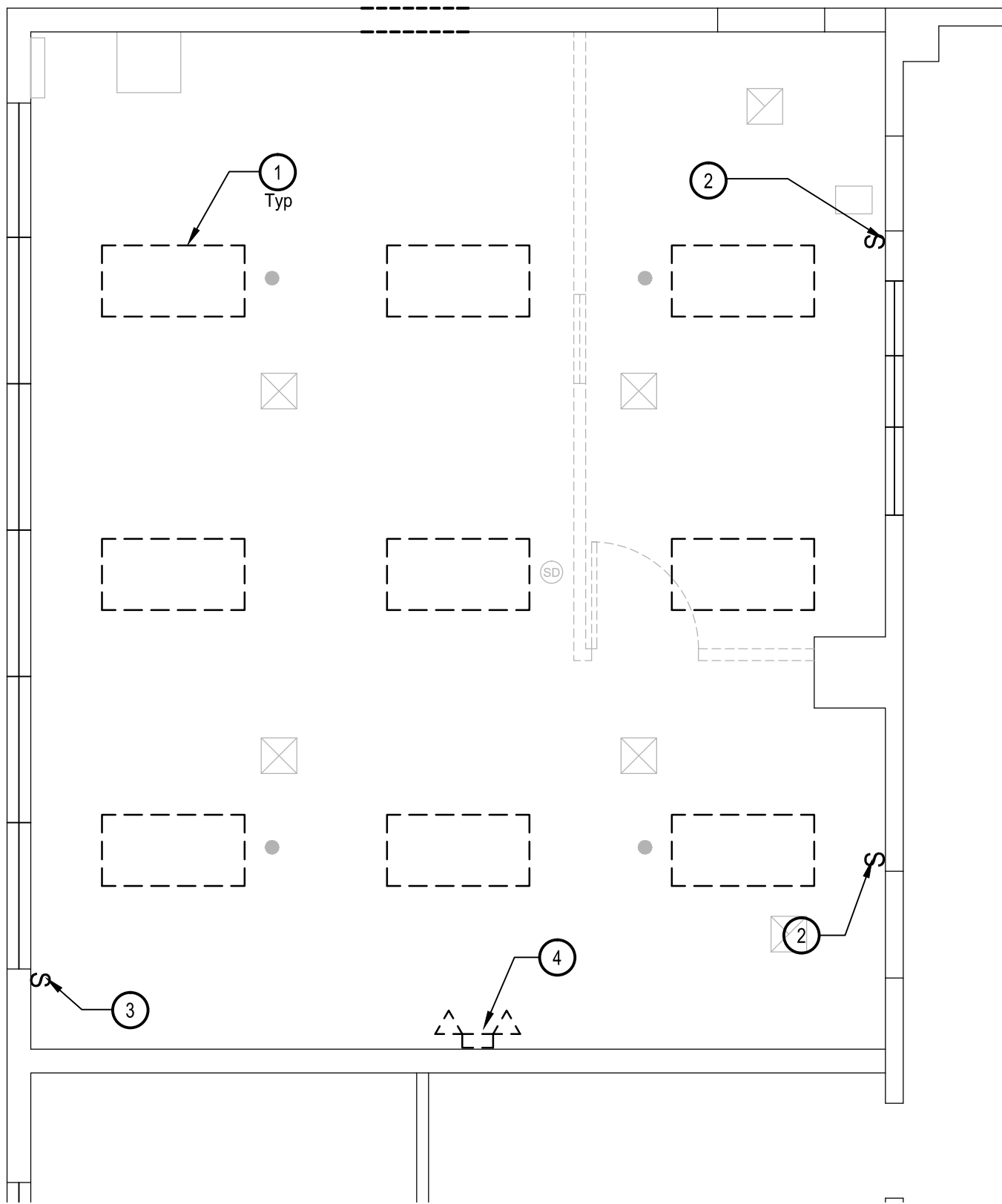
Exceptions:

- Areas designated as security or emergency areas that must be continuously illuminated.
Lighting in stairways or corridors that are elements of the means of egress.

5. Master switch at entry to hotel/motel guest room.
6. Individual dwelling units separately metered.

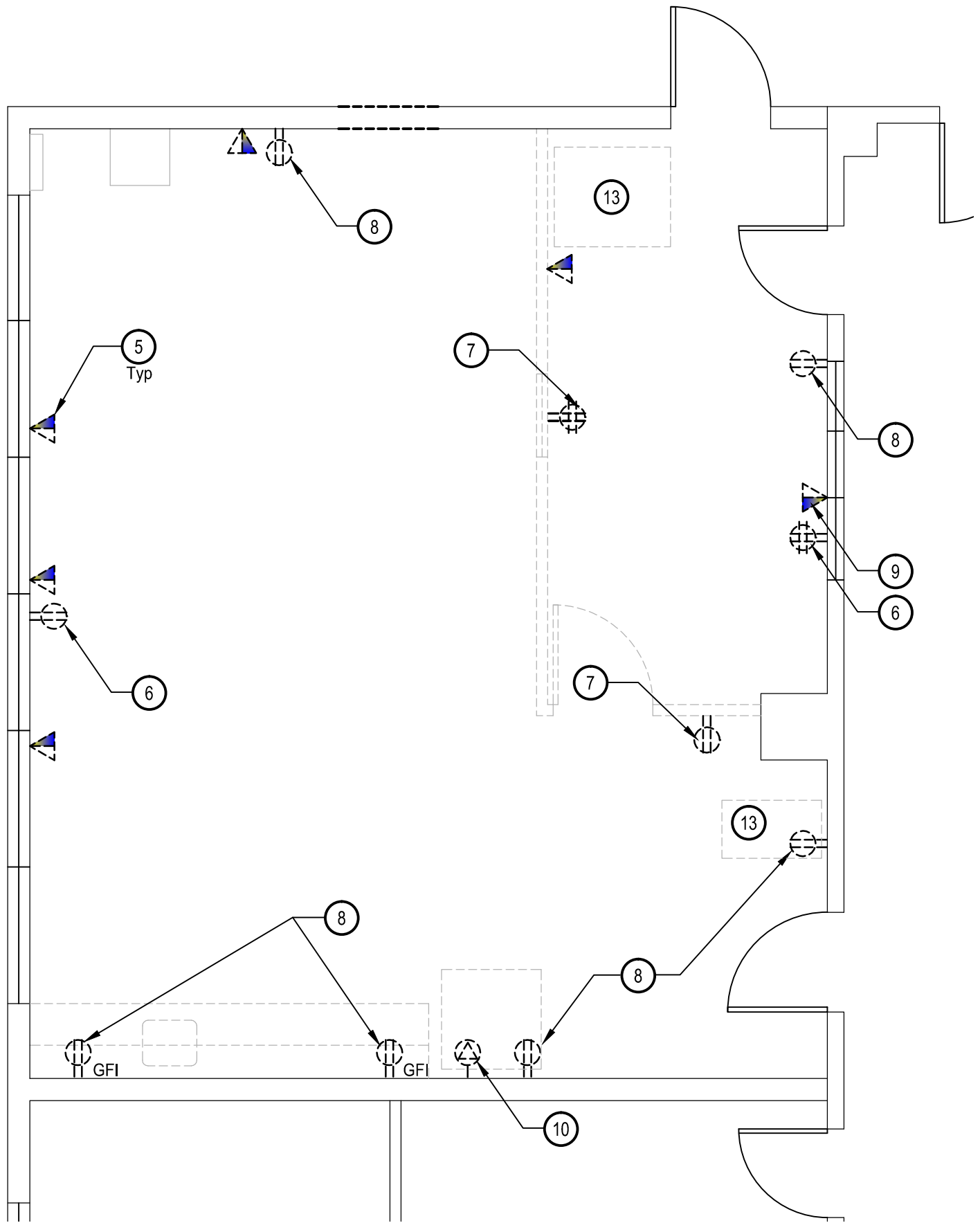
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Report date: 04/30/15
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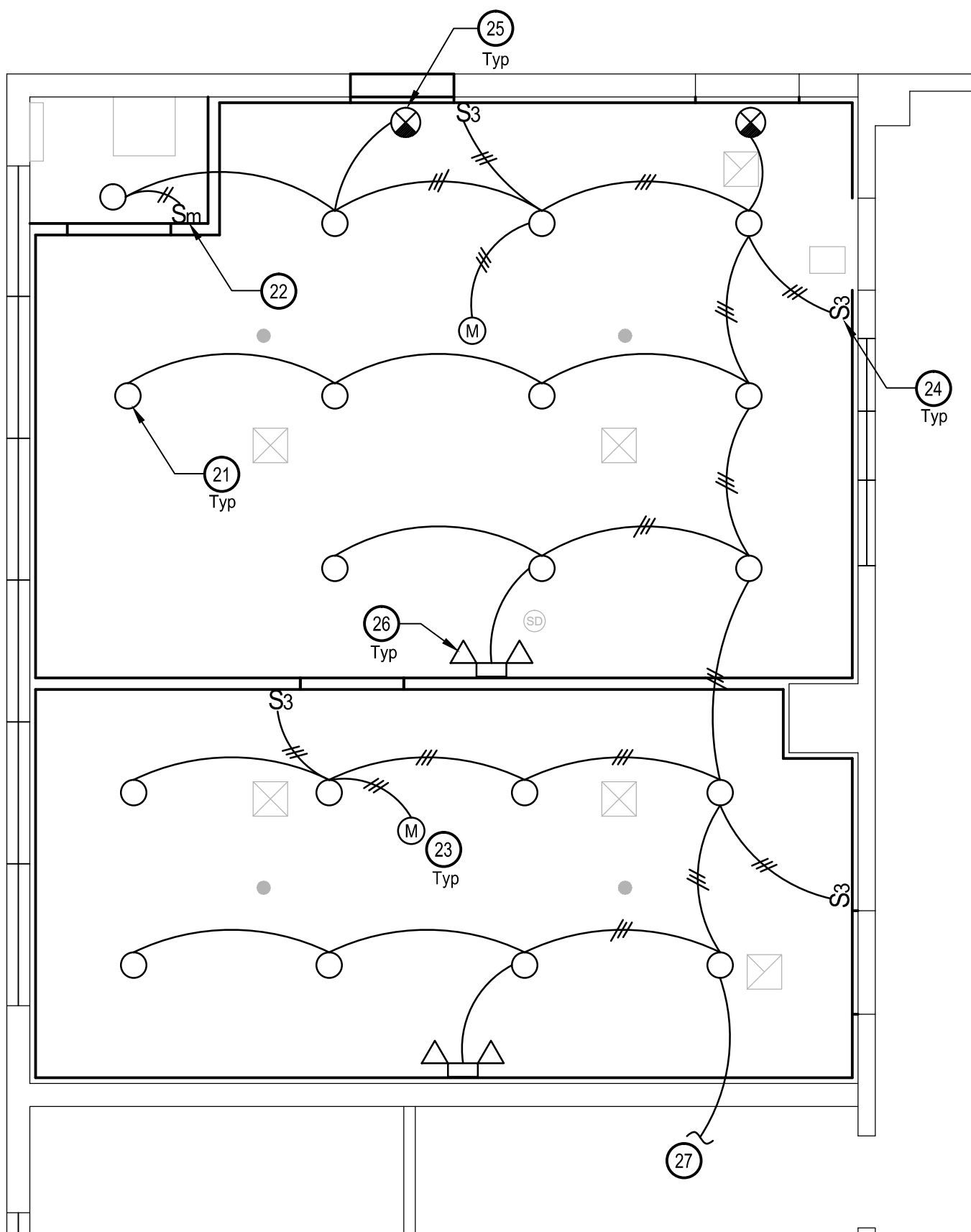
Electrical Lighting Plan - Demo

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



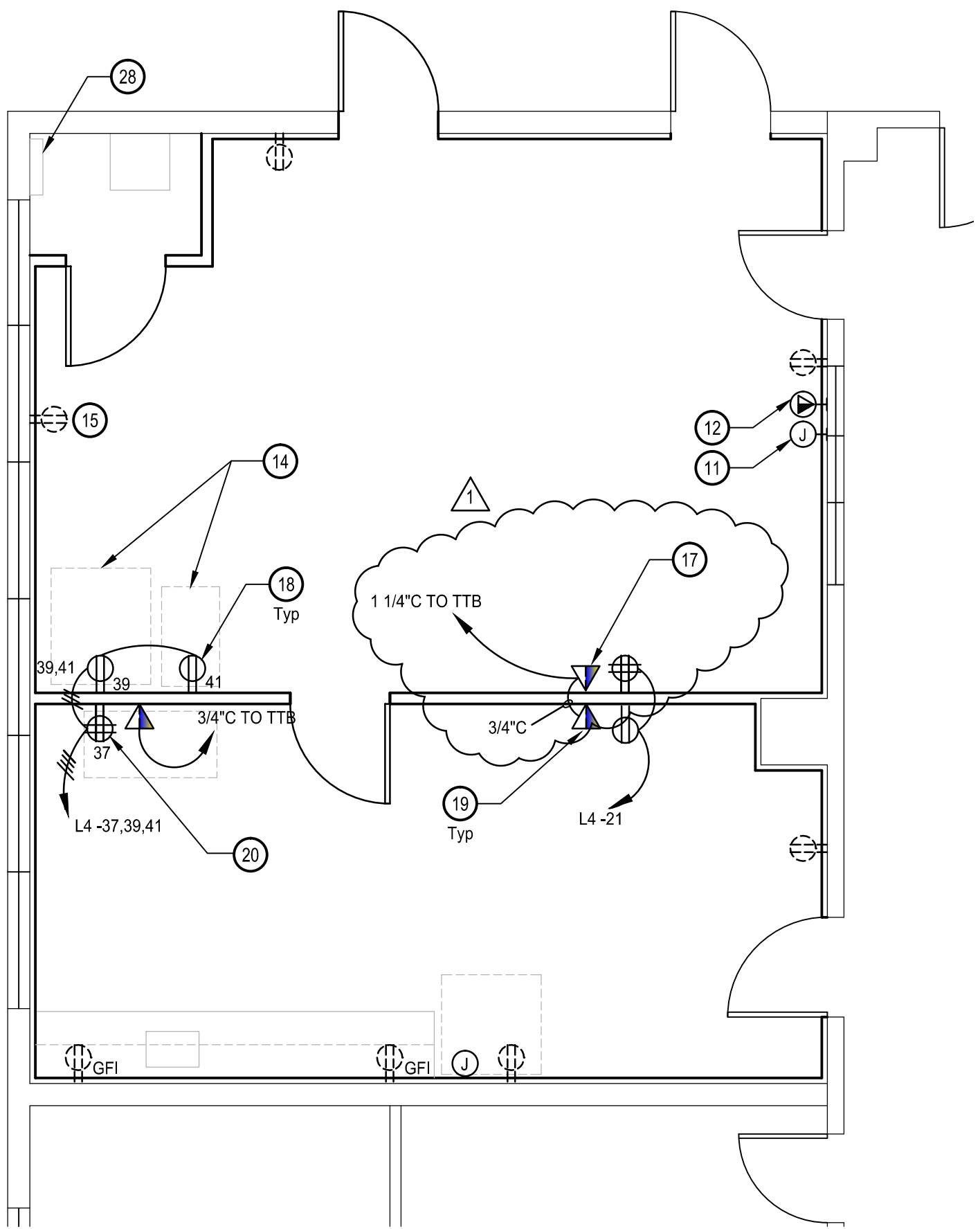
Electrical Power Plan - Demo

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



Electrical Lighting Plan - New

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



Electrical Power Plan - New

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

General Notes

- PROVIDE ALL NECESSARY DEMOLITION TO REMOVE EXISTING UNUSED CONDUIT, WIRE, CABLE, J-BOXES, RECEPTACLES, SWITCHES, LIGHTS, FIRE ALARM DEVICES, ETC., COMPLETE WITH ASSOCIATED CIRCUITING TO SOURCE. WHERE IT IS NOT FEASIBLE TO REMOVE THE ABOVE, OUTLET SHALL BE ABANDONED, WIRE REMOVED, & BLANK COVER PLATES PROVIDED.
- REFER TO ARCHITECTURAL DEMOLITION DRAWING FOR LOCATION & EXTENDS OF DEMOLITION REQUIRED. PROVIDE LABOR & MATERIALS AS REQUIRED TO MAINTAIN AND/OR RESTORE CONTINUITY OF SERVICE TO EXISTING CIRCUITS.
- FIELD VERIFY EXISTING EQUIPMENT, OR CIRCUITS THAT ARE REMAINING TO BE RECONNECTED TO EXISTING PANEL BOARD. PROVIDE SWITCHES, RECEPTACLES, CONDUIT, WIRE, ETC. AS REQUIRED TO RESTORE CONTINUITY OF CIRCUITS.
- PROVIDE NEW UPDATED PANEL BOARD DIRECTORIES FOR EXISTING & NEW CIRCUITS BEING UTILIZED FOR COMPLETION OF PROJECT.
- ALL NEW/RELOCATED RECEPTACLES, DATA/VOICE JACKS SHOWN ARE MOUNTED @ +18" AFF UNLESS NOTED OTHERWISE.
- CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN 75 DEGREE WIRE. MINIMUM WIRE SIZE SHALL BE #12 AWG.
- COORDINATE WORK WITH OTHER TRADES. ALL WORK SHALL BE IN ACCORDANCE WITH THE NEC & LOCAL GOVERNING CODES.

Sheet Notes

- EXISTING 2X4 4LAMP FLUORESCENT LIGHT TO BE REMOVED.
- EXISTING WALL SWITCH TO BE REMOVED UNLESS NOTED OTHERWISE.
- VERIFY THE FUNCTION OF WALL SWITCH. CONSULT WITH BUILDING OWNER FOR SWITCH REMOVAL OR STAY.
- EXISTING WALL EMERGENCY LIGHT TO BE REMOVED.
- EXISTING DATA/VOICE JACK TO BE REMOVED UNLESS NOTED OTHERWISE.
- EXISTING RECEPTACLE TO BE RELOCATED.
- EXISTING RECEPTACLE TO BE REMOVED.
- EXISTING RECEPTACLE TO REMAIN.
- EXISTING DATA/VOICE JACK TO BE RELOCATED & MODIFIED FOR MODULAR FURNITURE BASE FEEDER J-BOX. SEE SHEET NOTE 12 FOR NEW LOCATION.
- EXISTING RECEPTACLE TO BE CONVERTED TO J-BOX. KEEP EXISTING CIRCUIT INTACT. PROVIDE COVER PLATE & PAINT TO MATCH WALL COLOR.
- RELOCATED RECEPTACLE TO BE CONVERTED TO J-BOX FOR MODULAR FURNITURE INSTALLER.
- RELOCATED DATA/VOICE J-BOX FOR MODULAR FURNITURE BASE FEED. COORDINATE EXACT LOCATION W/MODULAR FURNITURE INSTALLER.
- EXISTING VENDING MACHINE TO BE RELOCATED.
- RELOCATED VENDING MACHINE.
- RELOCATED RECEPTACLE.
- NOT USED.
- NEW DATA/VOICE JACK ABOVE COUNTER TOP. VERIFY EXACT MOUNTING HEIGHT W/MODULAR COUNTER INSTALLER.
- NEW DUPLEX RECEPTACLE.
- NEW DATA/VOICE JACK.
- NEW DOUBLE DUPLEX RECEPTACLE.
- NEW LED DOWNLIGHT PHILIPS LIGHTOLIER LITEPROFILE CAT# P6RD15NZ10UVB-P6RD840VB-P6RDCLP.
- NEW OCCUPANCY SENSOR WALL SWITCH PHILIPS CAT# LRS2210/00.
- NEW CEILING MOUNTED OCCUPANCY SENSOR PHILIPS CAT# LRM2370/00.
- NEW 3 WAY WALL SWITCH WITH WHITE COVER PLATE.
- NEW LED EXIT SIGN MOUNTED ABOVE DOOR FRAME. DUAL LITE CAT# LX-U-G-W-E-I.
- NEW LED EMERGENCY LIGHT MOUNTED +90" AFF. NEW LIGHT SHALL BE DUAL LITE CAT# EVHC-12-H06L.
- CONTINUE TO EXISTING LIGHTING CIRCUIT HOME RUN.
- EXISTING TELEPHONE TERMINAL BOX 'TTB'.



REVISIONS

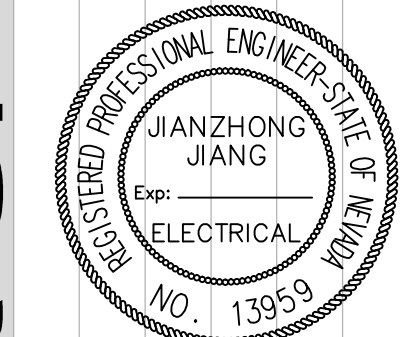
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7/6/2015

CONSULTANT

Dula Gymnasium Lobby Remodel
441 East Bonanza Road

STAMP



OWNER: CITY OF LAS VEGAS
Department of Operations & Maintenance

3104 East Bonanza Road
LAS VEGAS, NEVADA 89101
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DRAWN: Jjiang

FILE: dula/dula gym tp

DATE: May 7, 2015

SCALE: AS SHOWN

BID NO:

CLV DWG NO: 671-44D

SHT NO:

E1