

# ADDENDUM NO. 4

## BUILDING "R" TOILET ROOMS RENOVATION

NTD #2007-SH29-01

DSA A-#3-113596 FILE #19-C5



Pasadena City College  
1570 E. Colorado Blvd.  
Pasadena, California 91106

**November 30, 2011**

NTD ARCHITECTURE  
955 Overland Court, Suite 100  
San Dimas, CA 91773



---

Jay R. Tittle, #C-12955

### 1. PART 1 - GENERAL

- 1.1. The following revisions and/or clarifications shall be made to the Bidding Requirements and Contract Documents. Revise and amend the Documents for the above named project in accordance with this Addendum. The bid shall reflect these addendum changes and each bidder shall make reference in their bid to this addendum.
- 1.2. All Bidding Requirements and Contract Documents shall apply to this addendum as originally indicated in the applicable portions of the contract documents, unless otherwise modified by this addendum.
  - 1.2.1. Previous Addendum #1 issued November 10, 2011.
  - 1.2.2. Previous Addendum #2 issued November 21, 2011.
  - 1.2.3. Previous Addendum #3 issued November 29, 2011.

### 2. PART 2 - PROJECT MANUALS

#### 2.1. REVISIONS TO BIDDING/CONTRACT REQUIREMENTS

NOT USED

#### 2.2. REVISIONS TO SPECIFICATIONS

- 2.2.1. Section 09 65 00, Resilient Flooring:
  - 2.2.1.1. Clarification to provide resilient tile series: Colorpoint premium tile by Mannington, or approved equal. Allow for two (2) colors in any floor pattern to be determined at a later date. Final colors to be selected by Architect at a later date.

### **3. PART 3 - DRAWINGS**

#### **3.1. ARCHITECTURAL DRAWINGS**

**3.1.1.** Drawing D2.1 – Modify as follows:

**3.1.1.1.** Revise to remove all existing light fixtures in both existing Elevator Lobby and Foyer per the attached Drawing E0.1 (Addendum #4), clouded revision. .

**3.1.2.** Drawing A4.1 – Modify as follows:

**3.1.2.1.** Revise to furnish and install all 2x4 light fixtures in both existing Elevator Lobby and Foyer per the attached Drawing E2.1 (Addendum #4), clouded revisions.

#### **3.2. ELECTRICAL DRAWINGS**

**3.2.1.** Drawing E0.1 – Modify as follows:

**3.2.1.1.** Revise to remove existing 4x4 light fixtures per the attached Drawing E0.1 (Addendum #4), clouded revisions. Reference Drawing AD2-A05 for Base and Alternate Bids' scopes of work.

**3.2.2.** Drawing E2.1 – Modify as follows:

**3.2.2.1.** Revise to provide and install 2x4 light fixtures per the attached Drawing E2.1 (Addendum #4), clouded revisions. Reference Drawing AD2-A06 for Base and Alternate Bids' scopes of work.

### **END OF ADDENDUM #4 INCLUDING REFERENCED ENCLOSURES**

#### **Enclosures:**

(Note that these are listed here for clarity only. Refer to narrative above for detailed descriptions of revisions related to these enclosures.)

l) New Drawings Issued:

- a) Drawing E0.1 (Addendum #4), Electrical Partial Demo Enlarged Floor Plan, clouded revision.
- b) Drawing E2.1 (Addendum #4), First Floor Lighting and Power Plan, clouded revisions.

**End of Enclosures**

### REFERENCE NOTES:

- ① REMOVE EXISTING LIGHTING AND WIRING TO HOMERUN J-BOX.
- ② REMOVE EXISTING LIGHTING. LEAVE WIRING IN PLACE.
- ③ REMOVE EXISTING OUTLET. LEAVE WIRING IN PLACE.
- ④ REMOVE EXISTING WALL SWITCH AND WIRING BACK TO HOMERUN J-BOX.

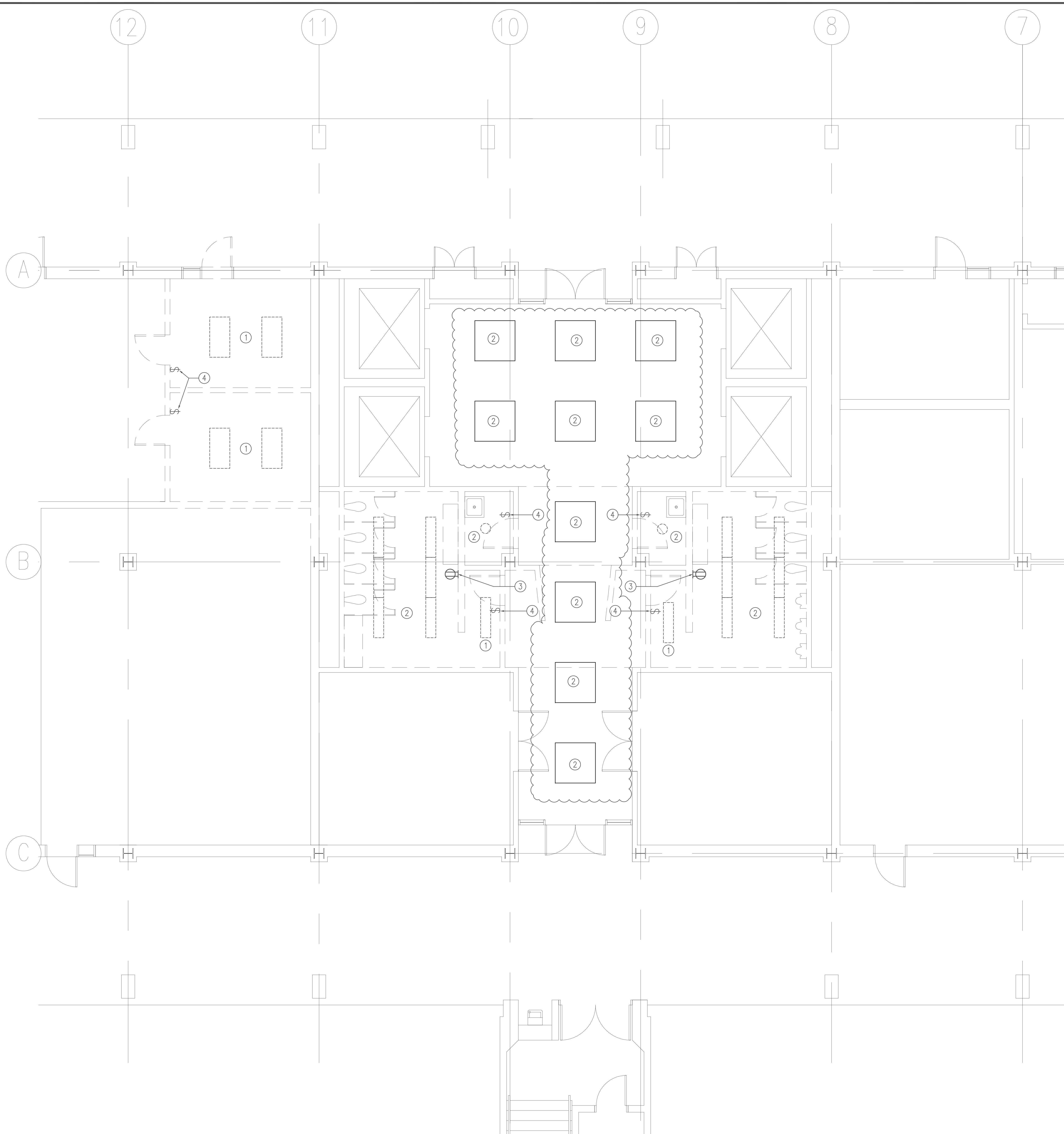
### DEMOLITION NOTES:

1. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL:
  - A. CONDUCT A SURVEY AT THE JOB SITE INCLUDING ALL AREA UPON WHICH THIS WORK IS IN ANY WAY DEPENDENT FOR VERIFICATION OF EXISTING CONDITIONS AND INSPECT EACH AND EVERY AREA AFFECTED BY THE TOTAL ALTERATION OF THE BUILDING BEFORE SUBMITTING BID.
  - B. REPORT TO THE GENERAL CONTRACTOR ANY CONDITION THAT PREVENTS IN ANY WAY THE INSTALLATION OF WORK AS SHOWN ON DRAWING. ANY DISCREPANCY SHALL BE REFERRED IMMEDIATELY TO THE ARCHITECT OR ENGINEER FOR RESOLUTION. NO WAIVER OF RESPONSIBILITY FOR INCOMPLETE, INADEQUATE OR DEFECTIVE ADJOINING WORK WILL BE CONSIDERED UNLESS NOTIFICATION HAS BEEN FILED BEFORE SUBMITTAL OF PROPOSAL.
  - C. BECOME THOROUGHLY FAMILIAR WITH INTENT OF WORK SHOWN ON DRAWINGS, AND THE ACTUAL EXISTING CONDITIONS OF WHICH CONNECTIONS MUST BE MADE TO BE IN ACCORDANCE WITH THESE DRAWINGS. THE ELECTRICAL DRAWINGS INDICATE NEW WORK. EXISTING ELECTRICAL SYSTEMS ARE NOT SHOWN EXCEPT WHERE INTERFACE IS REQUIRED. NO CONSIDERATION WILL BE GRANTED TO THE CONTRACTOR BY REASON UNFAMILIARITY WITH THE ACTUAL PHYSICAL CONDITIONS AT SITE.
2. THE CONTRACTOR SCOPE OF WORK IN THIS CONTRACT IS TO CONFIRMED AND FAMILIARIZE HIMSELF WITH ALL EXISTING ELECTRICAL SYSTEMS AND SHALL INCLUDE ALL NECESSARY DEMOLITION AND NEW AND RELOCATION WORK REQUIRED BY CHANGES TO WALLS, CEILING AND OTHER ARCHITECTURAL WORK. THE CONTRACTOR IS URGED TO RE-USE EXISTING JUNCTION BOXES, ELECTRICAL AND TELEPHONE OUTLETS, SWITCHES, CIRCUIT BREAKERS CABLING AND CONDUITS WHEREVER POSSIBLE. DEVICES AND CONDUITS DESIGNATED "X" SHOULD MEET THESE REQUIREMENTS. ALL OUTLETS TO BE FIELD CHECKED FOR DETERMINATION OF CONFORMANCE WITH THESE REQUIREMENTS. REFER TO CONTRACTOR DOCUMENTS FOR THE EXTENT OF THESE CHANGES.
  - A. WHERE ELECTRICAL LIGHT FIXTURES OR OTHER ELECTRICAL DEVICES ARE TO BE REMOVED, ALL WIRING BACK TO THE NEXT REMAINING LIGHT FIXTURE OR OUTLET SHALL BE REMOVED. MAINTAIN CONTINUITY OF BRANCH CIRCUITS AND OTHER WIRING TO ALL REMAINING LIGHT FIXTURES, OUTLETS AND/OR EQUIPMENT.
  - B. ELECTRICAL OUTLETS SUCH AS CONVENIENCE RECEPTACLES UNAFFECTED BY ARCHITECTURAL CHANGES SHALL REMAIN AS IS, ENERGIZED FOR SERVICE.
  - C. DISCONNECT AND CAP ALL EXISTING FLOOR BOXES AND FLUSH FLOOR COUPLINGS NOT BEING REUSED.
  - D. ALL EXISTING CIRCUIT BREAKERS RENDERED "SPARE" DUE TO TENANT REMODELING SHALL BE TURNED TO THE "OFF" POSITION AND LABELED "SPARE".
  - E. SHOULD ANY DOUBT SURFACE REGARDING THE PROPER DISPOSITION OF ANY EXISTING ELECTRICAL WORK, THE ARCHITECT AND ENGINEERS SHALL BE CONTACTED IMMEDIATELY.
  - F. ALL EXISTING CONDUIT AND WIRES NOT BEING REUSED IN THIS CONTRACT SHALL BE REMOVED.
  - G. ALL EXISTING LIGHTING WITHIN TENANT SPACE SHALL BE DEMO AND REMOVED INCLUDING ALL ASSOCIATED BRANCH CIRCUITRY CONDUIT AND WIRES.
3. WHERE EXISTING HVAC EQUIPMENT AND PLUMBING EQUIPMENT ARE BEING REMOVED AND/OR ABANDONED IN RECONSTRUCTION OF THIS SPACE, IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO INCLUDE IN HIS BID, SCOPE OF WORK, BUT NOT LIMITED TO:
  - A. REMOVAL OF ALL ELECTRICAL BRANCH CIRCUITRY AND DEVICES SERVING THOSE PLUMBING EQUIPMENT (i.e. ELECTRICAL WATER HEATER, WATER SOFTENER, DRINKING FOUNTAIN, ETC.) WHICH ARE BEING REMOVED AND/OR ABANDONED IN THE REMODEL OF THIS SPACE.
  - B. VERIFY ACTUAL FIELD INSTALLATION OF EXISTING EQUIPMENT BEING DEMOVED AND REFER TO MECHANICAL, PLUMBING DRAWINGS TO DETERMINE EQUIPMENT BEING REMOVED AND FOR EXACT SCOPE OF WORK.
4. IN AREAS WHERE DEMOLITION WORK IS PERFORMED BY OTHER TRADES, IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE WITH OTHER TRADES. SHOULD ANY OF THE EXISTING ELECTRICAL DEVICES, OUTLETS OR EQUIPMENT (WHICH IS TO REMAIN IN SERVICE) BE DISCONNECTED, IT SHALL BE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO RECONNECT AS REQUIRED THOSE ITEMS WHICH ARE TO REMAIN ENERGIZED FOR SERVICE AT NO EXTRA COST TO THE OWNER.
5. THE FINAL ELECTRICAL SYSTEM AFTER NEW WORK AND DEMOLITION SHALL MEET ALL LOCAL AND STATE ELECTRICAL CODES.

### SYMBOLS LISTS:

- INCANDESCENT OR H.I.D. LIGHTING FIXTURE, CEILING MOUNTED
- FLUORESCENT LIGHTING FIXTURE, WALL MOUNTED WITH 4S OUTLET BOX
- GROUND FAULT INTERRUPTER TYPE DUPLEX RECEPTACLE.
- GROUNDING TYPE DUPLEX CONVENIENCE OUTLET, +15" TO THE BOTTOM OF BOX UNLESS OTHERWISE NOTED ON DRAWINGS.
- TOGGLE SWITCH, +4" -0" TO TOP OF BOX.
- SUFFIX ON SWITCH SYMBOLS SHALL INDICATE THE FOLLOWING:  
NO SUFFIX = SINGLE POLE, 2 = 2 POLE, 3 = 3 WAY, K = KEY OPERATED, R = SPDT MOMENTARY CONTACT SWITCH, P = WITH PILOT LIGHT, a,b,c,d, ETC.  
INDICATES OUTLET CONTROLLED, m= MOTOR RATED SWITCH 600V 30A, 1P, 2P OR 3P AS REQUIRED.
- 13L EXISTING ELECTRICAL PANELBOARD OR SWITCHGEAR DESIGNATION
- CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS
 

— 2#12, 3/4"	— 4#12, 3/4"	— 6#12, 3/4"
— 3#12, 3/4"	— 5#12, 3/4"	— 7#12, 1"
— 2#10, 3/4"	— 4#10, 3/4"	— 6#10, 3/4"
— 3#10, 3/4"	— 5#10, 3/4"	— 7#10, 1"
— 4#8, 3/4"	—	—
- WIRE SIZE OTHER THAN #12, #10 OR #8 IS NOTED ON EACH CONDUIT RUN WITH SIZE OF CONDUIT (I.E., 3#6 = 1").
- CONDUIT HOMERUN INDICATING HOT WIRE AND NEUTRAL
- CEILING MOUNTED AUTOMATIC LIGHTING MOTION SENSOR COMPLETE WITH OUTLET BOX AND SWITCH PACK.



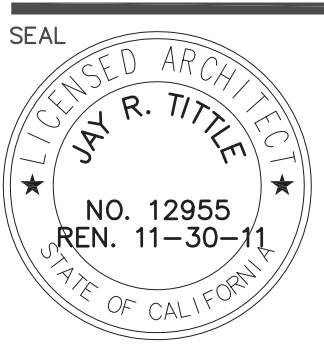
CONSULTANT



**D. ENGINEERING, INC.**

600 West Broadway, Suite 250  
Glendale, California 91204  
818 265-9720 FAX 818 265-9725

KEY PLAN



PASADENA CITY COLLEGE  
BUILDING "R"  
TOILET ROOMS RENOVATION

## ELECTRICAL PARTIAL DEMO ENLARGED FLOOR PLAN

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO.
1	3-29-11	DSA CORR.	CAD	2007-SH29-00
2			CHECKED BY	DATE
3			B.E.S.	6-14-10
4			DRAWING NO.	ADDENDUM #4

**E0.1**

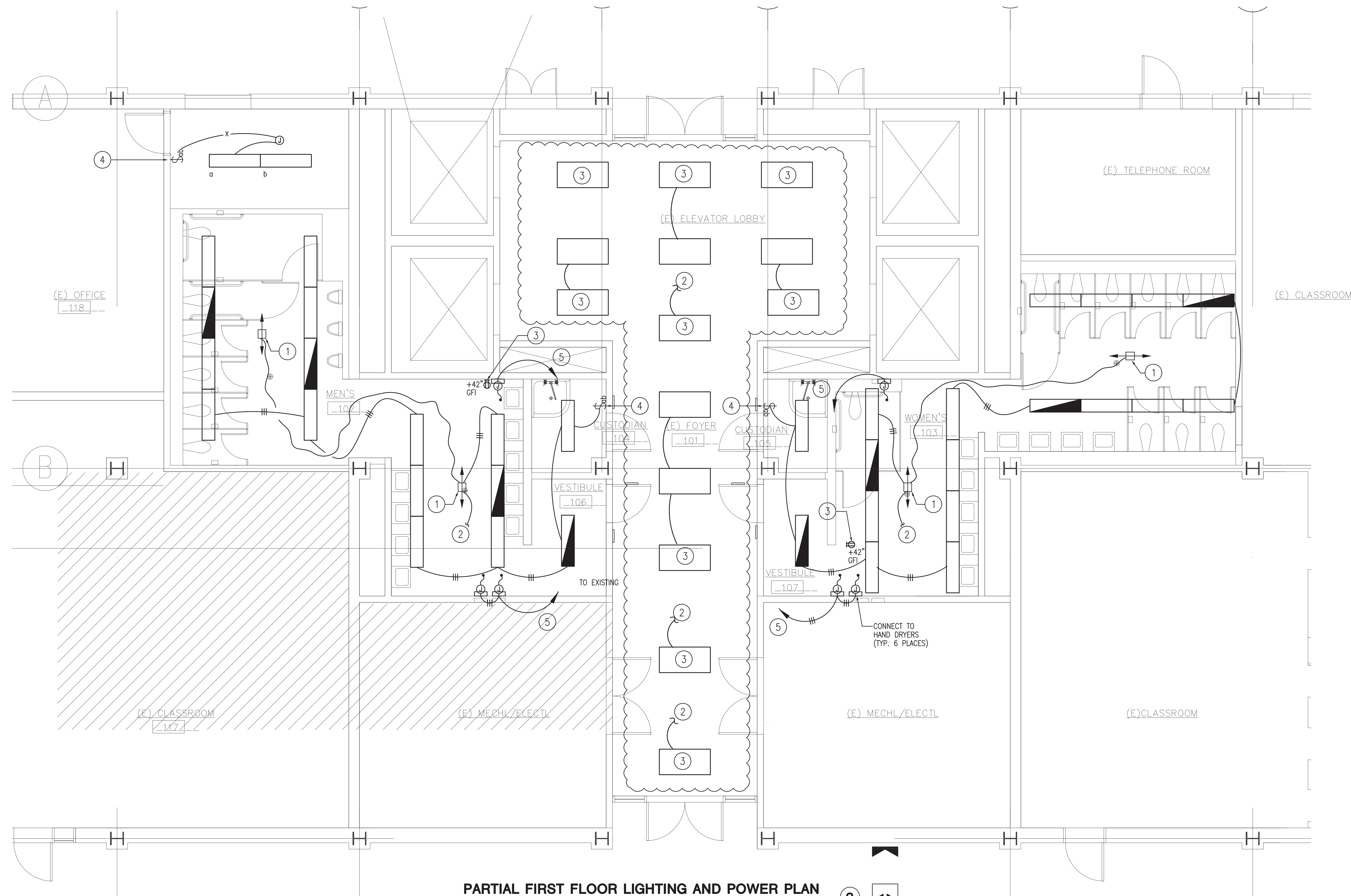
SHEET OF

### REFERENCE NOTES:

- ① CEILING MOUNTED LINE-VOLTAGE MOTION SENSOR WATT STOPPER DT-355.
- ② TO EXISTING LIGHTING CIRCUIT IN THE AREA.
- ③ CONNECT RECEPTACLE TO EXISTING CIRCUIT. EXTEND WIRING TO NEW LOCATION.
- ④ REPLACE EXISTING WALL SWITCH WITH NEW WALL MOUNTED MOTION SENSOR WATT STOPPER WS 200.
- ⑤ 1/2"Ø, 3#12 TO NEAREST 120V. PANEL. FURNISH AND INSTALL (6) NEW 20AMP SINGLE POLE CIRCUIT BREAKERS.
- ⑥ CONNECT TO EXISTING LIGHTING CIRCUIT. EXTEND WITH NEW 1/2"Ø, 3#12 TO NEW LIGHTING FIXTURE AS SHOWN.

### GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, MINIMUM WIRE SIZE FOR LINE VOLTAGE WIRING SHALL BE #12, THIN COPPER FOR BRANCH CIRCUITRY.
2. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE UBC BUILDING CODES, NATIONAL ELECTRICAL CODE "NEC" AND OTHER LOCAL GOVERNING AUTHORITIES.
  - A. ALL NEW ELECTRICAL INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL AND STATE CODE SEISMIC REQUIREMENTS.
3. SUBSCRIPTS a, b, c, ETC. AT SWITCH SYMBOLS ARE TO DISTINGUISH BETWEEN SWITCHES.
4. "+4'-6" INDICATES A MOUNTING HEIGHT FROM FINISHED FLOOR TO CENTER OF EQUIPMENT OF OUTLET. "M.H." INDICATES A MOUNTING HEIGHT FROM FINISHED FLOOR TO BOTTOM OF FIXTURE OR DEVICE.
5. ALL SYMBOLS SHOWN ON SYMBOL LIST ARE NOT NECESSARILY USED ON THIS PROJECT.
6. EVERY WALL MOUNTED OUTLET HEIGHT AND LOCATION SHALL BE VERIFIED WITH THE ARCHITECTURAL DRAWINGS AND THE DETAIL DRAWINGS TO INSURE THE PROPER HEIGHT AND LOCATION WITH RESPECT TO CABINETS, EQUIPMENT, MIRRORS, TACK BOARDS, ETC.
7. COORDINATE WITH THE OTHER TRADES, IN ADVANCE OF CONSTRUCTION, THE CEILING AREA IN WHICH RECESSED LIGHTING FIXTURES OCCUR. THIS SHALL INCLUDE PLUMBING, HEATING AND VENTILATING, AIR CONDITIONING AND CARPENTRY. IN THE EVENT OF ANY CONFLICT, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.
8. ALL WORK/MATERIALS SHOWN ON PLANS SHALL BE NEW AND SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE INDICATED.
9. CUT AND PATCH TO MATCH ALL EXISTING CONSTRUCTION AS REQUIRED FOR THE PROPER INSTALLATION OF NEW ELECTRICAL WORK. ALL PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP AND FINISH AS, AND SHALL ACCURATELY MATCH ALL SURROUNDING WORK.
10. CONTRACTOR SHALL INCLUDE IN HIS BID, ALL LABOR AND MATERIAL REQUIRED TO MAINTAIN THOSE ELECTRICAL/SIGNAL SYSTEMS WHICH ARE TO REMAIN IN SERVICE DURING AND AFTER THE REMODEL RECONSTRUCTION. THE ELECTRICAL SYSTEM SHALL INCLUDE, BUT NOT BE LIMITED TO THESE MAJOR ITEMS:
  - A. BUILDING ELECTRICAL DISTRIBUTION SYSTEM (LIGHTING, POWER, ETC.)
  - B. ENERGY MANAGEMENT SYSTEM.
  - C. CEILING MOUNTED PUBLIC ADDRESS/MUSIC SYSTEM, SPEAKERS, CABLING, CONDUIT, ETC.
  - D. WALL MOUNTED FIRE ALARM DEVICES (I.E. SMOKE DETECTORS, MANUAL PULL STATIONS, ETC.)
11. ALL DATA AND TELEPHONE EQUIPMENT, INCLUDING PLENUM CABLING SHALL BE FURNISH, INSTALLED AND CONNECTED BY TENANT (VENDOR).
12. FOR ALL DATA SYSTEM HOME RUNS OR STUB CONDUITS SHOWN ON THIS PLAN, CONTRACTOR SHALL AIM CONDUIT IN THE DIRECTION OF THE TENANT DATA BACKBOARD.
13. FOR ALL TELEPHONE SYSTEM HOME RUNS OR STUB CONDUITS SHOWN ON THIS PLAN, CONTRACTOR SHALL AIM CONDUIT IN THE DIRECTION OF TENANT TELEPHONE BOARD.
14. ALL NEW STUB CONDUIT INSTALLED IN THIS CONTRACT SHALL HAVE BUSHING ON END.
15. WHERE NEW AND/OR EXISTING CONDUIT(S) INSTALLATION PENETRATE THROUGH ARCHITECTURAL FIRE RATED ASSEMBLIES (SUCH AS 1 HOUR FIRE RATED CORRIDOR WALL OR CONCRETE FLOOR), CONTRACTOR SHALL PROVIDE "3M" FIRE SEAL COMPOUND AROUND CONDUIT(S) TO SEAL PENETRATION.
16. CONTRACTOR BID SHALL INCLUDE ALL CORE DRILLING AND SAW CUTTING AS REQUIRED FOR THE INSTALLATION OF NEW ELECTRICAL WORK. ALL CORE HOLES SHALL BE SEALED AND CAULK. ALL SAW-CUT SHALL BE PATCH TO MATCH EXISTING. CMG WILL PERFORM X-RAYING OF FLOOR IF REQUIRED.



**PARTIAL FIRST FLOOR LIGHTING AND POWER PLAN**  
1/4"=1'-0" ③

ALL WORK SHALL BE IN CONFORMANCE WITH TITLE 24, 2007 CALIFORNIA CODE OF REGULATIONS (CCR) 2007 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR 2007 National Electrical Code of the National Fire Protection Association, (NFPA)

CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED BY THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.

THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL CONFORM TO AISC 709 SECTION 13.1.1 AND TABLE 13.4.1. ANCHORAGE DETAILS FOR ROOF / FLOOR MOUNTED EQUIPMENT SHALL BE SHOWN ON PLANS.

ALL BRACING OF DUCTS AND PIPES SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES AS APPROVED BY DSA.

WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWING OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECTED TO THE APPROVAL OF THE ARCHITECT, STRUCTURAL ENGINEER AND DSA FIELD ENGINEER.

A COPY OF THE GUIDELINES PUBLISHED BY SMACNA AND APPROVED BY DSA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB AT ALL TIMES.

Including review of power has been investigated and is adequate for the new additional load as indicated on drawings.

Site Inspector is to witness and verify grounding tests.

### LIGHTING FIXTURE SCHEDULE

LAMP TYPE	DESCRIPTION	MANUFACTURER/ CATALOG NO.	SYMBOLS
(1)T5/SP41	1' x 6" SURFACE MOUNTED FIXTURE WITH TAMPERPROOF CLEAR ACRYLIC WRAPAROUND LENS, HINGED AND LATCHED FROM EITHER SIDE, BAKED WHITE ENAMEL FINISH AND ELECTRONICS BALLAST. TOTAL WATTS = 61 EFFICIENCY 65.5%	LSI - SILHOUETTE #W44-4-1-SS-1PH	
(1)T5/SP41	1' x 6" SURFACE MOUNTED FIXTURE WITH TAMPERPROOF CLEAR ACRYLIC WRAPAROUND LENS, HINGED AND LATCHED FROM EITHER SIDE, BAKED WHITE ENAMEL FINISH AND ELECTRONICS BALLAST EXCEPT EMERGENCY PACK. TOTAL WATTS = 61 EFFICIENCY 65.5%	LSI - SILHOUETTE #W44-4-1-EM-1PH	
(3) F32T5/SP41	RECESSED MOUNTED 3 LAMP, 2' x 4' FLUORESCENT FIXTURE WITH ROLL-FORMED FLUSH WHITE DOOR, HINGED AND POSITIVE SPRING LATCH DOOR WITH REVERSE APEX PRISMATIC 125 LENS, 3-LAMP ELECTRONIC BALLAST AND BAKED ENAMEL FINISH.	WILLIAMS #50100-524-332-SA12125-EB3	

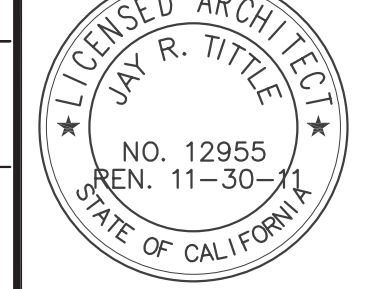
CONSULTANT



**D.E. ENGINEERING, INC.**  
600 West Broadway, Suite 250  
Glendale, California 91204  
818 265-9720 FAX 818 265-9725

KEY PLAN

SEAL AGENCY REVIEW



PROJECT PASADENA CITY COLLEGE BUILDING "R" TOILET ROOMS RENOVATION

## FIRST FLOOR LIGHTING AND POWER PLAN

NO. DATE ISSUE DRAWN BY PROJECT NO.  
3-29-11 DSA CORR. CAD 2007-SH29-00  
CHECKED BY  
B.E.S. 6-14-10  
DRAWING NO. ADDENDUM #4

**E2.1**

SHEET OF