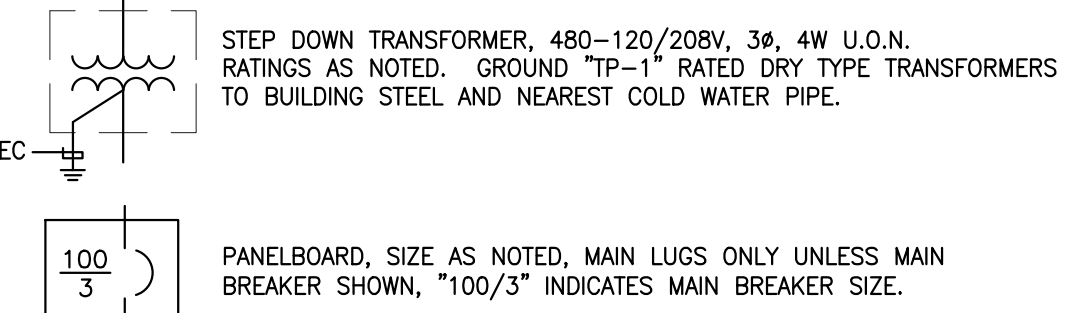
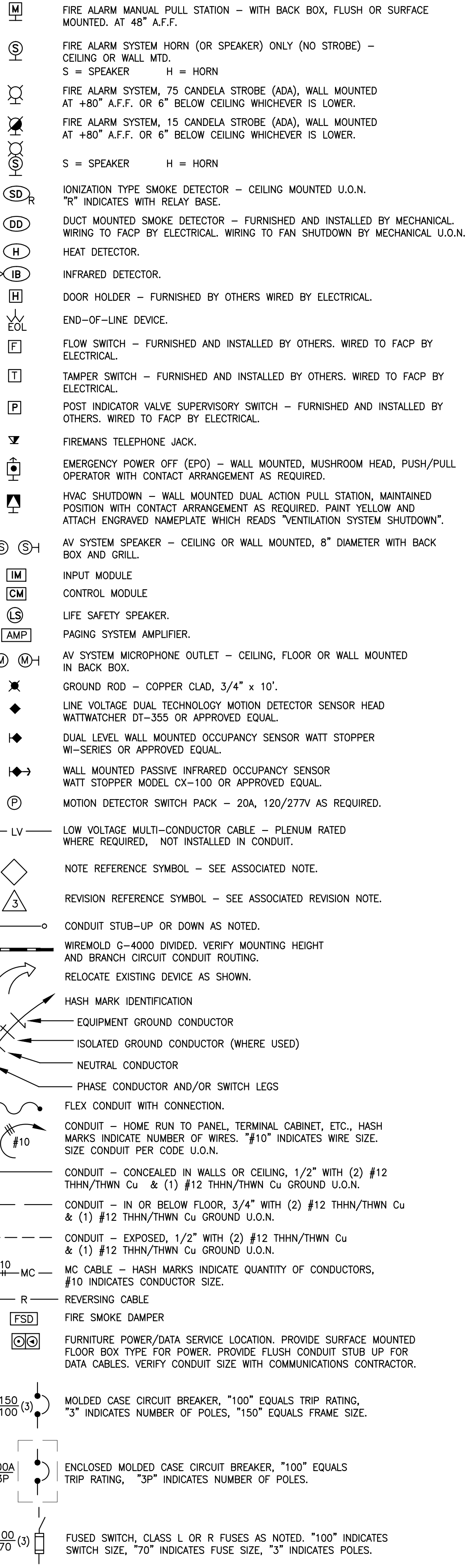
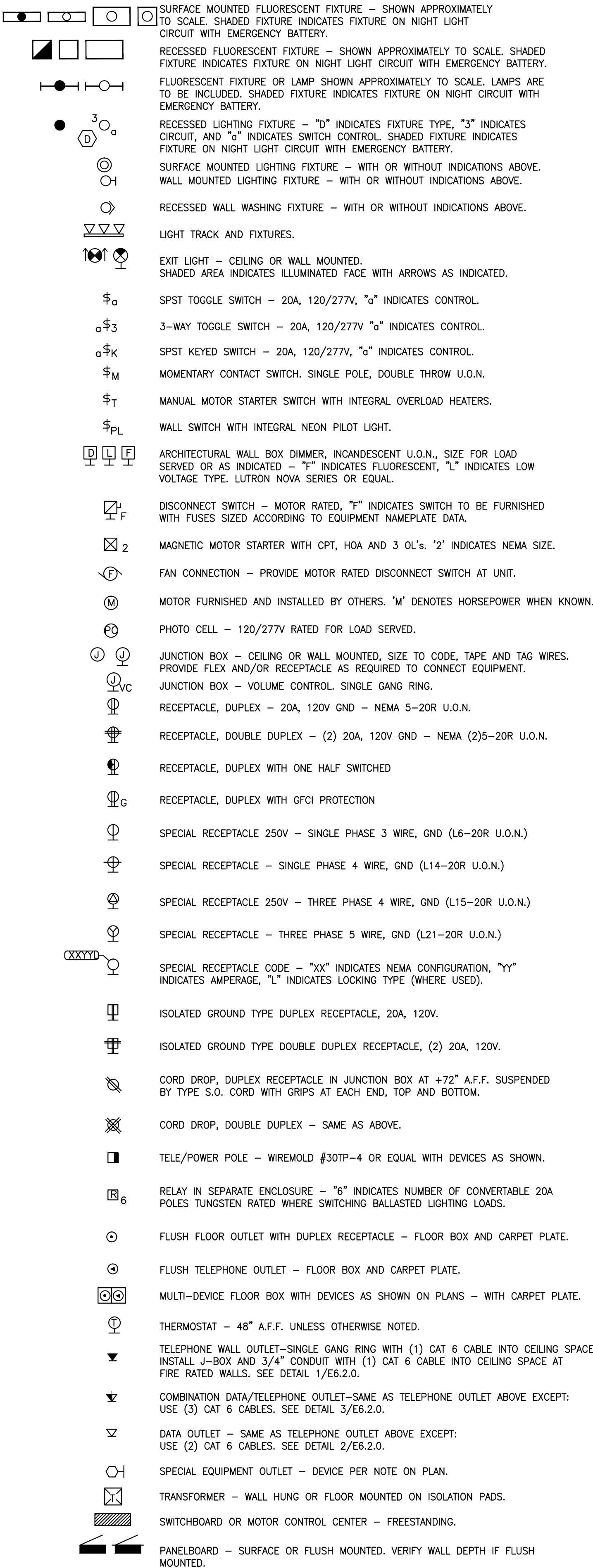


SYMBOLS: (ALL SYMBOLS MAY OR MAY NOT BE USED)



CONSTRUCTION NOTES:

- ALL WIRE TO BE THHN/THWN COPPER, STRANDED EXCEPT WHERE NOTED OTHERWISE.
- ALL DEVICES AND EQUIPMENT INSTALLED OUTDOORS OR EXPOSED TO THE WEATHER SHALL BE OF WEATHERPROOF CONSTRUCTION.
- ALL DEVICES SHALL BE SPECIFICATION GRADE. ALL SINGLE AND GANGED PLATES SHALL BE BRUSHED CHROME/STAINLESS STEEL. GANG DEVICES AT GROUP LOCATIONS UNDER A SINGLE COVER PLATE. DATA PLACES SHALL BE THERMOPLASTIC. VERIFY COLOR.
- ALL FIXTURES INSTALLED IN SUSPENDED T-BAR CEILINGS SHALL BE SUPPORTED BY A MINIMUM OF TWO FIXTURE SUPPORT WIRES FURNISHED BY OTHERS.
- THE ELECTRICAL PLANS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL OF THE ARCHITECTURAL DETAIL OR SPECIFICS OF ELECTRICAL CONSTRUCTION. TAKE ALL DIMENSIONS FROM THE ARCHITECTURAL DRAWINGS.
- REFER TO THE LATEST EDITION OF THE 2005 NEC, 2007 CEC, 2005 TITLE 24, UBC, 2007 CBC, AND LOCAL ORDINANCES IN EFFECT AT THE TIME OF CONSTRUCTION AS THE CONTROLLING DOCUMENTS.
- ALL CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE MADE WITH A MINIMUM OF 24" OF WEATHERPROOF FLEXIBLE CONDUIT TO PREVENT SOUND AND VIBRATION TRANSMISSION TO THE STRUCTURE.
- COORDINATE ALL MOTOR OVERLOADS AND/OR FUSES FURNISHED BY THIS CONTRACT WITH THE ACTUAL EQUIPMENT INSTALLED. SIZE OVERLOADS BASED ON MOTOR NAMEPLATE FULL LOAD CURRENT AND SERVICE FACTOR. FUSES FOR MOTOR AND TRANSFORMER CIRCUITS SHALL BE DUAL ELEMENT. FUSES FOR OTHER "NON-INRUSH" LOADS SHALL BE FAST ACTING. ALL FUSES SHALL BE CURRENT LIMITING CLASS RK5 OR CLASS L UNLESS OTHERWISE NOTED.
- GROUNDING CONDUCTORS ARE GENERALLY NOT SHOWN. GROUND AND BOND ALL EQUIPMENT, RACEWAYS, MOTORS, PANELBOARDS AND SWITCHBOARDS, ETC. IN ACCORDANCE WITH 2005 NEC ARTICLE 250.
- BONDING OF ALL INTERIOR METAL PIPING SHALL BE IN ACCORDANCE WITH 2005 NEC ARTICLE 250.104 AS FOLLOWS:
 - ALL INTERIOR METAL WATER PIPING SHALL BE BONDED TO ONE OR MORE GROUNDING ELECTRODES USED. THE BONDING JUMPING SHALL BE SIZED IN ACCORDANCE WITH 2005 NEC TABLE 250.66.
 - INTERIOR METAL PIPING THAT MAY BECOME ENERGIZED (i.e. GAS PIPING, ETC.), SHALL BE BONDED TO ONE OR MORE GROUNDING ELECTRODES USED. THE BONDING JUMPER SHALL BE SIZED IN ACCORDANCE WITH 2005 NEC TABLE 250.122 USING THE RATING OF THE CIRCUIT THAT MAY ENERGIZE THE PIPING.
- INSTALL ALL WALL MOUNTED POWER, TELEPHONE AND DATA OUTLETS AT +18" A.F.F. UNLESS OTHERWISE NOTED. INSTALL ALL LIGHTING CONTROL SWITCHES, FIRE ALARM PULLSTATIONS, FIREMAN'S TELEPHONE JACKS, AND WALL TELEPHONE JACKS AT +48" AFF, UNLESS OTHERWISE NOTED. ALL HEIGHT MEASUREMENTS SHALL BE TO THE CENTERLINE OF THE DEVICE.
- ALL CONDUCTORS IN VERTICAL RACEWAYS SHALL COMPLY WITH 2005 NEC ARTICLE 300.19(A), 300.19(B) AND TABLE 300.19(A), 2007 CEC 376.50(G).
- PROVIDE A MINIMUM OF 24" HORIZONTAL SEPARATION BETWEEN BACK TO BACK RECEPTACLES IN ALL TWO HOUR RATED WALLS. SEE ARCHITECTURAL PLANS FOR WALL RATINGS.
- ALL EQUIPMENT SHALL BE U.L. LISTED FOR ITS INTENDED USE.
- PROVIDE "WARNING- POTENTIAL ARC FLASH HAZARD" LABEL FOR ALL SWITCHBOARDS, PANELBOARDS, METER SOCKET ENCLOSURES AND MOTOR CONTROL CENTERS PER 2005 NEC, 2007 CEC ARTICLE 110.16 "FLASH PROTECTION" REQUIREMENTS. (APPLIES TO DESIGNATED SCOPE OF WORK ONLY.)
- LIGHTING FIXTURE MOUNTING REQUIREMENTS SHALL BE PER 2005 NEC AND 2007 CEC ARTICLE 410.16. FLUORESCENT LIGHTING FIXTURES SHALL HAVE AN INTEGRAL DISCONNECT PROVIDED BY THE FIXTURE MANUFACTURER FOR MAINTENANCE OF BALLAST PER 2007 NEC ARTICLE 410.73(G).
- PROVIDE "HANDLE-TIE" FOR ALL BREAKERS SERVING PARTITION FURNITURE SYSTEMS PER 2005 NEC, 2007 CEI ARTICLES 210.4, 240.20(B)(1), 300.13(B), 605.6, & 605.7
- REFER TO ARCHITECTURAL DRAWING NO. "COVER" FOR THE LIST OF GOVERNING CODES AND STANDARDS. COORDINATE WITH AOR.

SCHOOL EQUIPMENT ANCHORAGE NOTE:

SEISMIC ANCHORAGE OF MECHANICAL EQUIPMENTS SHALL CONFORM TO THE REGULATIONS OF CBC-2007 AND ASCE 7-05, SECTION 13.3, 13.4 AND 13.6.

ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

THE TOTAL DESIGN LATERAL SEISMIC FORCE SHALL BE DETERMINED FROM SECTION 1614A CALIFORNIA BUILDING CODE (CBC) 2007 AND 13.3 ASCE 7-05. FORCES SHALL BE APPLIED IN THE HORIZONTAL DIRECTIONS, WHICH RESULT IN THE MOST CRITICAL LOADING FOR DESIGN.

THE VALUE OF A_p (COMPONENT AMPLIFICATION FACTOR) AND R_p (COMPONENT RESPONSE MODIFICATION FACTOR) OF SECTION 13.3.1 ASCE 7-05 SHALL BE SELECTED FROM SECTION 13.6-1 ASCE 7-05). THE VALUE OF I_p SHALL BE SELECTED FROM SECTION 13.1.3 AND 13.6 OF ASCE 7-05.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER, STRUCTURAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT:

later support for ducts/piping shall comply with the latest edition of SMACNA-Guidelines for Seismic Restraints of Mechanical Systems and Plumbing System".

ABBREVIATIONS:

AF	ABOVE FINISH FLOOR	KS	KNEE SPACE
AL	ALUMINUM CONDUCTOR OR BUS	KVA	KILOVOLT AMPERES
AM	AMMETER	KW	KILOWATTS
AS	AMMETER SWITCH	(N)	NEW
C.E.C.	CALIFORNIA ENERGY COMMISSION	NL	NIGHT LIGHT
C.O.	CONDUIT ONLY	NIC	NOT IN CONTRACT
CU	COPPER CONDUCTOR OR BUS	NTS	NOT TO SCALE
(E)	EXISTING	MCP	MOTOR CIRCUIT PROTECTOR
EL	EXTERIOR LIGHT - ON BY PHOTO CELL, OFF BY TIME CLOCK	(R)	REMOVE
EM	EMERGENCY	(RL)	RELOCATE OR RELOCATED
EQ.	EQUAL	SL	SECURITY LIGHT - ON/OFF BY PHOTO CELL
EX	EXPLOSION PROOF	SLD	SINGLE LINE DIAGRAM
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TC	TIME CLOCK
FACP	FIRE ALARM CONTROL PANEL	TYP	TYPICAL
FBO	FURNISHED BY OTHERS	UON	UNLESS OTHERWISE NOTED
G.E.C.	GROUND ELECTRODE CONDUCTOR SIZE PER NEC 250-66	V.C.	VOLUME CONTROL
GND	GROUND	VM	VOLTMETER
IBO	INSTALLED BY OTHERS	VS	VOLTMETER SWITCH
IG	ISOLATED GROUND CONDUCTOR OR BUS	W	WALL MOUNTED
		WP	EQUIPMENT OF WEATHERPROOF CONSTRUCTION OR DESIGN

DRAWING INDEX:

E-0.0.0	GENERAL
E-0.1.0	BUILDING 12 TITLE 24 INTERIOR
E-0.1.1	BUILDING 17 TITLE 24 INTERIOR
E-0.1.2	BUILDING 17 TITLE 24 INTERIOR
E-0.1.3	BUILDING 17 TITLE 24 EXTERIOR
E-0.2.0	LIGHTING FIXTURE SCHEDULE
E-2.1.0D	BUILDING 12 POWER PLAN DEMOLITION
E-2.1.0	BUILDING 12 POWER PLAN
E-2.2.1D	BUILDING 17 POWER PLAN DEMOLITION
E-2.2.1	BUILDING 17 POWER PLAN
E-2.2.2	BUILDING 17 POWER PLAN ROOF
E-3.1.0D	BUILDING 12 LIGHTING PLAN DEMOLITION
E-3.1.0	BUILDING 12 LIGHTING PLAN
E-3.2.1D	BUILDING 17 LIGHTING PLAN DEMOLITION
E-3.2.1	BUILDING 17 LIGHTING PLAN
E-4.0.0	BUILDING 12 PANELBOARD SCHEDULES
E-4.0.1	BUILDING 12 PANELBOARD SCHEDULES
E-5.0.0	BUILDING 17 PANELBOARD SCHEDULES AND SINGLE-LINE DIAGRAM
E-6.0.0	DETAILS
E-6.1.0	DETAILS
E-6.2.0	DETAILS
E-6.3.0	DETAILS

SCOPE OF WORK:

- ADDITION/IMPROVEMENTS TO EXISTING BUILDINGS 12 AND 17 TO INCLUDE: BUILDING 12
- ALL PANELBOARDS AND TRANSFORMERS ARE EXISTING, REPLACED (6) EXISTING PANELBOARDS WITH NEW "SEBA","SLBA","SRBA","SL1A","SR1A & "SR1D". WE ASSUME ALL ARE SUFFICIENTLY SIZED AND FUNCTIONING PROPERLY.
 - SAFE-OFF POWER AND LIGHTING CIRCUITS IN WALLS AND CEILINGS FOR DEVICES TO BE REMOVED. MAINTAIN CIRCUIT CONTINUITY TO REMAINING DEVICES.
 - REPLACE ACRYLIC LENSES AT EXISTING 2x4 LIGHT FIXTURES.
 - CLEAN ACRYLIC LENSES AT EXISTING PENDANT AND SURFACE MOUNTED FIXTURES.
 - REPLACE EXISTING DEVICE OUTLET COVER PLATES WITH NEW COVER PLATES.
 - REPLACE RECEPTACLES IN RESTROOMS 12-107 AND 12-117.
 - ADD 2x4 LIGHTING FIXTURES AND RECEPTACLES IN NEW PROGRAM SUITE.
 - INSTALL OCCUPANCY SENSOR IN OFFICES AND RESTROOMS.
 - REPLACE FLUORESCENT LIGHT FIXTURES IN OFFICES AND RESTROOMS.
 - ADD STRIP LIGHTING FIXTURES AND RECEPTACLES IN NEW MDF ROOM.
 - ADD POWER AND DATA IN CLASSROOMS FOR NEW OVERHEAD PROJECTORS.
 - ADD (1) CARD READER AND (1) AUTO DOOR OPENER.
 - ADD NEW 10 KVA 480/277 VOLT LIGHTING INVERTER.
 - REPLACE EXISTING FLUSH MOUNTED PANELBOARDS.
 - REMOVE EXISTING 45KVA TRANSFORMER T4. ADD NEW 75KVA TRANSFORMER T4.
 - SAFE-OFF POWER AND LIGHTING CIRCUITS IN WALLS AND CEILINGS FOR DEVICES TO BE REMOVED. MAINTAIN CIRCUIT CONTINUITY TO REMAIN DEVICES.
 - REPLACE ACRYLIC AT EXISTING 2x4 LIGHT FIXTURES.
 - REPLACE EXISTING DEVICE OUTLET COVER PLATES WITH NEW COVER PLATES.
 - ADD POWER AND RECEPTACLES TO NEW/RECONFIGURED ROOMS.
 - ADD LIGHTING FIXTURES TO NEW/RECONFIGURED ROOMS.
 - HALLWAYS 17-H1, 17-H2 AND 17-H3 LIGHTING FIXTURES TO BE CONTROLLED BY EXISTING BUILDING MANAGEMENT SYSTEM.
 - ADD CARD READERS AND AUTO-DOOR OPENERS AT EAST AND WEST EXIT DOORS IN HALLWAYS 17-HI AND 17-H2.
 - INTERCEPT EXISTING POWER AND LIGHTING CIRCUITS THAT ARE TO REMAIN AND REROUTE TO NEW PANELBOARD LOCATIONS.

ARCHITECT OF RECORD

noll & tam

architects and planners

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CUPERTINO ELECTRIC

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SAN FRANCISCO, CA 94124
(415)970-3400
C-10 LIC.NO. 174637

THESE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED BY CUPERTINO ELECTRIC, INC. FOR THEIR EXCLUSIVE USE IN ACCORD WITH SEC. 8737.4 OF THE PROFESSIONAL ENGINEERS ACT OF THE STATE OF CALIFORNIA.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

APPLICATION NUMBER 01-110537

AC _____ FLS _____ SS _____

DATE _____

COLLEGE OF SAN MATEO

BUILDING 12 AND 17
MODERNIZATION

SMCCCD
3401 CSM Drive
San Mateo, CA 94402

College of San Mateo
1700 W. Hillsdale Blvd.
San Mateo, CA 94402

SHEET TITLE
GENERAL

REVISIONS		
NO.	DATE	DESCRIPTION
	8/3/10	RECORD DOCUMENT

DATE AUGUST 27, 2009

DRAWN CEI

CHECKED CEI

SCALE NONE

N&T JOB NO.: 2901

SHEET NUMBER

E-0.0.0
RD-8.18

CERTIFICATE OF COMPLIANCE (Part 4 of 4) LTG-1-C

PROJECT NAME COLLEGE OF SAN MATEO BLDG 12 DATE 27-Aug-09

Designer:
This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for lighting systems. The designer is required to check the boxes by all acceptance tests that apply and list all equipment that require an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems to be tested in parentheses. The NU number designates the Section in Appendix of the Nonresidential ACM Manual that describes the test. Also indicate the person responsible for performing the test (i.e. the installing contractor, design professional, or an agent selected by the owner). Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Building Department:
Systems Acceptance. Before an occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated by normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. In addition a Certificate of Acceptance, MECH-1-A, Forms shall be submitted to the building department that:
A. Certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of §10-103(b) and Title 24, Part 6.

Test Description | **Test Performed By:**

LTG-2-A: Lighting Control Acceptance Document
• Occupancy Sensor or Acceptance
• Manual Daylight Controls Acceptance
• Automatic Time Switch Control Acceptance

Equipment requiring acceptance testing: Occupancy Sensors | ELECTRICIAN

LTG-3-A: Automatic Daylighting Controls Acceptance Document

Equipment requiring acceptance testing: _____

CERTIFICATE OF COMPLIANCE (Part 3 of 4) LTG-1-C

PROJECT NAME COLLEGE OF SAN MATEO BLDG 12 DATE 27-Aug-09

CONROLS FOR CREDIT IN CONDITIONED AND UNCONDITIONED SPACES

CONTROL LOCATION (Room # or Dwa #)	CONTROL IDENTIFICATION	CONTROL TYPE (Occ Sensor, Daylight, Dimming, etc)	LUMINAIRES CONTROLLED		NOTE TO FIELD
			TYPE	# OF LUMINAIRES	
RESTROOMS	◆	↓	ALL	ALL	
OFFICES	◆	↓	ALL	ALL	
STORAGE	◆	↓	ALL	ALL	
MDF ROOM	◆	↓	ALL	ALL	

CERTIFICATE OF COMPLIANCE (Part 2 of 4) LTG-1-C

PROJECT NAME COLLEGE OF SAN MATEO BLDG 12 DATE 27-Aug-09

INSTALLED INTERIOR LIGHTING POWER FOR CONDITIONED AND UNCONDITIONED SPACES

INSTALLED LIGHTING, CONDITIONED SPACES (From LTG-2-C)	1586.0
PORTABLE LIGHTING (From LTG-3-C) +	0
LIGHTING CONTROL CREDIT, CONDITIONED SPACES (From LTG-4-C) -	171.2
CONDITIONED SPACE ADJUSTED INSTALLED LIGHTING POWER =	1414.8
INSTALLED LIGHTING, UNCONDITIONED SPACES (From LTG-2-C)	0
LIGHTING CONTROL CREDIT, UNCONDITIONED SPACES (From LTG-4-C) -	0
UNCONDITIONED SPACE ADJUSTED INSTALLED LIGHTING POWER =	0

ALLOWED INTERIOR LIGHTING POWER FOR CONDITIONED SPACES

COMPLETE BUILDING METHOD (from LTG-5-C)

AREA CATEGORY METHOD (from LTG-5-C)

TAILORED METHOD (from LTG-5-C)

ALLOWED LIGHTING POWER = 1567.9

ALTERNATE COMPLIANCE

PERFORMANCE METHOD

COMMON LIGHTING SYSTEM (from LTG-8-C)

ALLOWED INTERIOR LIGHTING POWER FOR UNCONDITIONED SPACES (From LTG-5-C) _____ watts

MANDATORY LIGHTING MEASURES FOR INTERIOR LIGHTING AND DAYLIT AREAS

MANDATORY INTERIOR AND DAYLIGHTING AUTOMATIC CONTROLS

CONTROL LOCATION (Room #, Area #, or Description)	CONTROL IDENTIFICATION	CONTROL TYPE (Auto Time Switch, Dimming, Photosens or, etc.)	SPACE CONTROLLED (List the location of controlled lights)	If Control is for Daylighting	NOTE TO FIELD
RESTROOMS	◆	↓	ENTIRE AREA		
OFFICES	◆	↓	ENTIRE AREA		
STORAGE	◆	↓	ENTIRE AREA		
MDF ROOM	◆	↓	ENTIRE AREA		

CERTIFICATE OF COMPLIANCE (Part 1 of 4) LTG-1-C

PROJECT NAME COLLEGE OF SAN MATEO BLDG 12 DATE 27-Aug-09

PROJECT ADDRESS 1700 WEST HILLSDALE BLVD. SAN MATEO, CA

PRINCIPAL DESIGNER - LIGHTING MILES ISERI TELEPHONE (408) 808-8000

DOCUMENTATION AUTHOR GORDON WILLIAMS TELEPHONE (408) 808-8000

GENERAL INFORMATION

DATE OF PLANS 8/27/09 | BUILDING CONDITIONED FLOOR AREA 2,023 | CLIMATE ZONE 3

BUILDING TYPE NONRESIDENTIAL HIGH RISE RESIDENTIAL HOTEL/MOTEL/GUEST

CONDITIONED SPACES UNCONDITIONED SPACES INDOOR/OUTDOOR SIGNS

PHASE OF CONSTRUCTION NEW ADDITION ALTERATION

METHOD OF COMPLIANCE

PERFORMANCE COMPLETE BUILDING AREA CATEGORY TAILORED COMMON LIGHTING

STATEMENT OF COMPLIANCE

The Certificate of Compliance lists the building features and performance specifications need to comply with T24, Parts I and 6 of the California Code of Regulations. This certificate applies only to building lighting requirements.

The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR GORDON WILLIAMS SIGNATURE DATE 27-Aug-09

The Principal Lighting Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet lighting requirements contained in applicable parts of Section 110, 119, 130-132, 146, 148, & 149 of Title 24, Part 6.

The plans & specifications meet the requirements of Part 6 (Sections 10-103a) The installation certificates meet the requirements of Part 6 (10-103a.3).

The operation & maintenance information meet the requirements of Part 6 (10-103c). Please check one: (These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.)

I hereby affirm that I am eligible under the provisions of Division 3 of the Business Professions Code to sign this document as the person responsible for its preparation, and that I am licensed in the State of California as a civil engineer or electrical engineer, or I am a licensed architect.

I affirm that I am eligible under the provisions of Division 3 of the Business Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation, and that I am a licensed contractor performing this work.

I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538, and 6737.1.

PRINCIPAL LIGHTING DESIGNER NAME MILES K. ISERI SIGNATURE DATE 27-Aug-09 LIC # E17709

LIGHTING MANDATORY MEASURES

Indicate location on plans of Note Block for Mandatory Measure: E-0.1

LIGHTING COMPLIANCE FORMS & WORKSHEETS (check box if worksheet is included)

LTG-1-C, Parts 1 of 4 and 2 of 4 Certificate of Compliance. Part 1 of 4 and 2 of 4 are required for all submittals.

LTG-1-C, Parts 3 of 4 Certificate of Compliance. Part 3 of 4 is required only if Control Credits are claimed.

LTG-1-C, Parts 4 of 4 Certificate of Compliance. Part 4 of 4 is required when lighting controls are installed.

LTG-2-C Interior Lighting Schedule

LTG-3-C Portable Lighting Worksheet

LTG-4-C Lighting Controls Credit Worksheet

LTG-5-C Interior Lighting Power Schedule

LTG-6-C Tailored Method Worksheet

LTG-7-C Room Cavity Ratio Worksheet

LTG-8-C Common Lighting Systems Method Worksheet

LTG-9-C Line Voltage Track Lighting Worksheet

OLTG-4-C Signs (See OLTG-4-C Sign Worksheet in Chapter 6, Outdoor Lighting and Signs Chapter)

MANDATORY MEASURES — 2005 NONRESIDENTIAL COMPLIANCE

- BUILDING LIGHTING SHUT-OFF — NOT APPLICABLE**
THE BUILDING LIGHTING SHUT OFF SYSTEM CONSISTS OF AN AUTOMATIC LINE SWITCH, WITH A ZONE FOR EACH FLOOR; OR THE BUILDING IS SEPARATELY METERED AND EXEMPT FROM THE SHUT-OFF REQUIREMENT
- VERRIDE FOR BUILDING LIGHTING SHUT-OFF — NOT APPLICABLE**
THE AUTOMATIC BUILDING SHUT-OFF SYSTEM IS PROVIDED WITH A MANUAL, ACCESSIBLE OVERRIDE SWITCH IN SIGHT OF THE LIGHTS. THE AREA OF OVERRIDE IS NOT TO EXCEED 5,000 SQUARE FEET.
- AUTOMATIC CONTROL DEVICES CERTIFIED**
ALL AUTOMATIC CONTROL DEVICES SPECIFIED ARE CERTIFIED, ALL ALTERNATE EQUIPMENT SHALL BE CERTIFIED AND INSTALLED AS DIRECTED BY THE MANUFACTURER.
- FLUORESCENT BALLAST AND LUMINAIRES CERTIFIED**
ALL FLUORESCENT FIXTURES SUBJECT TO CERTIFICATION AND SPECIFIED FOR THE PROJECTS ARE CERTIFIED.
- INDIVIDUAL ROOM/AREA CONTROLS**
EACH ROOM AND AREA IN THIS BUILDING IS EQUIPPED WITH A SEPARATE SWITCH OR OCCUPANCY SENSOR DEVICE FOR EACH AREA WITH FLOOR TO CEILING WALLS.
- UNIFORM REDUCTION FOR INDIVIDUAL ROOMS.**
ALL ROOMS AND AREAS GREATER THAN 100 SQUARE FEET AND MORE THAN 0.8 WATTS PER SQUARE FOOT OF LIGHTING LOAD SHALL BE CONTROLLED WITH MULTI-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM.
- DAYLIT AREA CONTROL — NOT APPLICABLE**
ALL ROOMS THAT ARE GREATER THAN 250 SQUARE FEET AND CONTAIN WINDOW AND SKYLIGHTS, THAT ALLOW FOR THE EFFECTIVE USE OF DAYLIGHT IN THE AREA SHALL HAVE 50% OF THE LIGHTING POWER IN EACH DAYLIT AREA CONTROLLED BY A SEPARATE SWITCH; OR
- THE EFFECTIVE USE OF DAYLIGHT THROUGHOUT CANNOT BE ACCOMPLISHED BECAUSE THE WINDOWS ARE CONTINUOUSLY SHADED BY A BUILDING ON THE ADJACENT LOT. DIAGRAM OF SHADING DURING DIFFERENT TIMES OF YEAR IS INCLUDED ON PLANS. NOT APPLICABLE.**

INTERIOR LIGHTING POWER ALLOWANCE LTG-5-C

PROJECT NAME COLLEGE OF SAN MATEO BLDG 12 DATE 27-Aug-09

ALLOWED LIGHTING POWER (Choose One Method)

COMPLETE BUILDING METHOD - CONDITIONED SPACES

BUILDING CATEGORY (From § 146 Table 146-B)	WATTS PER (ft²)	COMPLETE BLDG. AREA	ALLOWED WATTS
A			
AREA CATEGORY			
RESTROOMS	0.6	312.0	187.2
OFFICES	1.2	477.0	572.4
HALLWAY	0.6	1064.0	638.4
STORAGE	0.6	73.0	43.8
MDF ROOM	1.3	97.0	126.1
TOTALS:		2023.0	1567.9

TAILORED METHOD - CONDITIONED SPACES

TOTAL ALLOWED WATTS (From LTG-6-C) _____

UNCONDITIONED SPACES

A	B	C	D
Complete Building and Area Category Methods CATEGORY (From § 146 Table 146-B & C)	WATTS PER (ft²)	AREA (ft²)	ALLOWED WATTS
N/A			
TOTALS:		AREA	WATTS

TAILORED METHOD-UNCONDITIONED SPACES

TOTAL UNCONDITIONED SPACES ALLOWED WATTS (From LTG-5-C and LTG-6-C) _____

LIGHTING CONTROLS CREDIT WORKSHEET (Part 1 of 2) LTG-4-C

PROJECT NAME COLLEGE OF SAN MATEO BLDG 12 DATE 27-Aug-09

CONTROL CREDITS FOR CONDITIONED SPACES

A	B	C	D	E	F	G	H	I	J
ROOM #, ZONE ID, CONDITIONED AREAS	LIGHTING CONTROL DESCRIPTION	PLAN REFERENCE	ROOM AREA (ft²)	WINDOW WALL RATIO	GLAZING VLT	SKYLIGHT EFFECTIVE APERTURE	WATTS OF CONTROL LIGHTING	LIGHTING ADJUSTMENT FACTOR	CONTROL CREDIT WATTS (H X I)
12-107	OCCUPANCY SENSOR	E3.10	144	-	-	-	118.0	0.2	23.6
12-117			168				118.0	0.2	23.6
12-105B			111				118	0.2	23.6
12-105C			116				118	0.2	23.6
STORAGE			73				30	0.2	6.0
MDF			97				118	0.2	23.6
12-106			250				236	0.2	47.2

1) From Equation 146-A

2) From Table 146-A

PAGE TOTAL = 171.2

BUILDING TOTAL = 171.2

Enter in LTG-2-C: Lighting Control Credit

INTERIOR LIGHTING SCHEDULE (Part 1 of 2) LTG-2-C

PROJECT NAME COLLEGE OF SAN MATEO BLDG 12 DATE 27-Aug-09

INSTALLED LIGHTING POWER FOR CONDITIONED SPACES

A	Luminaire	B	Lamps/Ballasts			Installed Watts						
			C	D	E	F	G	H	I	J		
Name	Type Description	Lamp Type	Number of Lamps per Luminaire	Watts per Lamp	Number of Ballast per Luminaire	Watts per Luminaire	Watts per Luminaire	Watts per Luminaire	Watts per Luminaire	Watts per Luminaire	Watts per Luminaire	Watts per Luminaire
A	SEE FIXTURE SCHEDULE	T8	2	32	1	59	√	14	826			
A1			2	32	1	59	√	4	236			
C			2	32	1	59	√	3	177			
D			2	32	1	59	√	2	118			
E			1	18	1	22	√	1	22			
F			2	32	1	59	√	2	118			
F1			1	32	1	30	√	1	30			
C3			2	32	1	59	√	1	59			

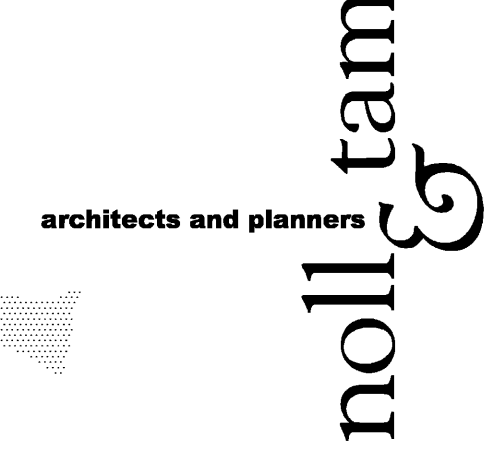
PAGE TOTAL = 1586.0

BUILDING TOTAL (sum all pages) = -

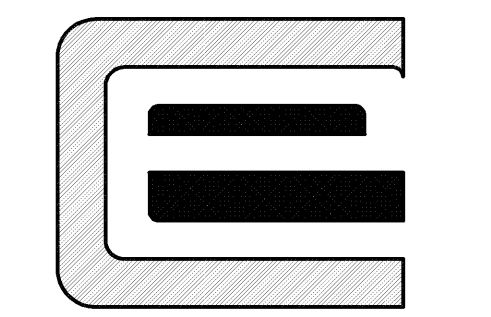
PORTABLE LIGHTING (From LTG-3-C) = -

CONTROL CREDIT (from LTG-4-C) = 171.2

ADJUSTED ACTUAL WATTS = 1414.8



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C-10 LIC.NO. 174637

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IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPLICATION NUMBER 01 - 110537
AC _____ FL _____ SS _____
DATE _____

COLLEGE OF SAN MATEO
BUILDING 12 AND 17 MODERNIZATION
SMCCCD
3401 CSM Drive
San Mateo, CA 94402
College of San Mateo
1700 W. Hillsdale Blvd.
San Mateo, CA 94402

SHEET TITLE
BUILDING 12 TITLE 24

REVISIONS

NO.	DATE	DESCRIPTION
	8/3/10	RECORD DOCUMENT

DATE AUGUST 27, 2009
DRAWN CEI
CHECKED CEI
SCALE NONE
N&T JOB NO.: 2901

SHEET NUMBER
E-0.10

LINE VOLTAGE TRACK LIGHTING WORKSHEET **LTG-9-C**

PROJECT NAME COLLEGE OF SAN MATEO BLDG 17 DATE 27-Aug-09

METHOD 1 - VOLT-AMPERE (VA) RATING OF THE BRANCH CIRCUIT(S) FEEDING THE TRACKS

A	B	A (continued)	B (continued)	C
BRANCH CIRCUIT NAME OR ID	VOLT-AMPERE (VA) RATING OF THE BRANCH CIRCUIT	BRANCH CIRCUIT NAME OR ID	VOLT-AMPERE (VA) RATING OF THE BRANCH CIRCUIT	ADD BOTH SUB-TOTALS
SUB TOTAL		SUB TOTAL		TOTAL

METHOD 2 - USE THE HIGHER OF:
45 WATTS / LINEAR FOOT OF TRACK - OR TOTAL RATED WATTAGE OF ALL OF ALL LUMINAIRES

A	B	C	D	E	F
TRACK# OR NAME	LINEAR FEET OF TRACK	(W/LF)	B X C (W)	TOTAL RATED WATTAGE OF ALL LUMINAIRES	LARGER OF (D OR E)
TRACK 1	10	45	450	120	450
TRACK 2	10	45	450	120	450
				TOTAL	900

METHOD 3 - ONLY TO BE USED WITH INTEGRAL CURRENT LIMITER

3 (a) HERE IF THE CURRENT LIMITER IS CERTIFIED TO THE COMMISSION (DEVICE MUST BE CERTIFIED TO THE COMMISSION TO USE THIS METHOD)

TO QUALIFY FOR TIER 1 ALL OF THE FOLLOWING STATEMENTS (3b & 3c & 3d) MUST BE TRUE. IF ANY FALSE THEN USE TIER 2 VALUE

3 (b) The specifications and installation exclusively include only high efficacy luminaires as defined in § 150 (k) 1.

3 (c) The track is not connected to a dimmer of any kind, including preset controller or dimmer modules that have programmable load types.

3 (d) At time of inspection the actual installed wattage of high efficacy luminaires is equal to or more than 7.5 watts per linear foot.

USE THE HIGHER OF: VA RATING OF INTEGRAL CURRENT LIMITER, 15 WATTS PER LINEAR FOOT FOR TIER 1, OR 25 WATTS PER LINEAR FOOT FOR TIER 2

A	B	C	D	E	F	G	H	I	J
TRACK# OR NAME	IF 3 (b) = TRUE	IF 3 (c) = TRUE	IF 3 (d) = TRUE	*Tier 1* if b, c, and d = True, Otherwise Enter "Tier 2"	TIER 1 = 15 (W/LF) TIER 2 = 25 (W/LF)	LINEAR FEET OF TRACK (ft)	TOTAL Watts (F X G)	VA RATING OF CURRENT LIMITER (W)	CHOOSE LARGER OF (H OR I)
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
TOTAL WATTS									

MANDATORY MEASURES – 2005 NONRESIDENTIAL COMPLIANCE

- BUILDING LIGHTING SHUT-OFF – NOT APPLICABLE**
THE BUILDING LIGHTING SHUT OFF SYSTEM CONSISTS OF AN AUTOMATIC LINE SWITCH, WITH A ZONE FOR EACH FLOOR; OR THE BUILDING IS SEPARATELY METERED AND EXEMPT FROM THE SHUT-OFF REQUIREMENT
- VERRIDE FOR BUILDING LIGHTING SHUT-OFF – NOT APPLICABLE**
THE AUTOMATIC BUILDING SHUT-OFF SYSTEM IS PROVIDED WITH A MANUAL, ACCESSIBLE OVERRIDE SWITCH IN SIGHT OF THE LIGHTS. THE AREA OF OVERRIDE IS NOT TO EXCEED 5,000 SQUARE FEET.
- AUTOMATIC CONTROL DEVICES CERTIFIED**
ALL AUTOMATIC CONTROL DEVICES SPECIFIED ARE CERTIFIED, ALL ALTERNATE EQUIPMENT SHALL BE CERTIFIED AND INSTALLED AS DIRECTED BY THE MANUFACTURER.
- FLUORESCENT BALLAST AND LUMINARIES CERTIFIED**
ALL FLUORESCENT FIXTURES SUBJECT TO CERTIFICATION AND SPECIFIED FOR THE PROJECTS ARE CERTIFIED.
- INDIVIDUAL ROOM/AREA CONTROLS**
EACH ROOM AND AREA IN THIS BUILDING IS EQUIPPED WITH A SEPARATE SWITCH OR OCCUPANCY SENSOR DEVICE FOR EACH AREA WITH FLOOR TO CEILING WALLS.
- UNIFORM REDUCTION FOR INDIVIDUAL ROOMS.**
ALL ROOMS AND AREAS GREATER THAN 100 SQUARE FEET AND MORE THAN 0.8 WATTS PER SQUARE FOOT OF LIGHTING LOAD SHALL BE CONTROLLED WITH MULTI-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM.
- DAYLIT AREA CONTROL – NOT APPLICABLE**
ALL ROOMS THAT ARE GREATER THAN 250 SQUARE FEET AND CONTAIN WINDOW AND SKYLIGHTS, THAT ALLOW FOR THE EFFECTIVE USE OF DAYLIGHT IN THE AREA SHALL HAVE 50% OF THE LIGHTING POWER IN EACH DAYLIT AREA CONTROLLED BY A SEPARATE SWITCH; OR
- THE EFFECTIVE USE OF DAYLIGHT THROUGHOUT CANNOT BE ACCOMPLISHED BECAUSE THE WINDOWS ARE CONTINUOUSLY SHADED BY A BUILDING ON THE ADJACENT LOT. DIAGRAM OF SHADING DURING DIFFERENT TIMES OF YEAR IS INCLUDED ON PLANS.**

ARCHITECT OF RECORD

noll tam
& planners

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E

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APPLICATION NUMBER 01-110537

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COLLEGE OF
SAN MATEO

**BUILDING 12 AND 17
MODERNIZATION**

SMCCCD
3401 CSM Drive
San Mateo, CA 94402
College of San Mateo
1700 W. Hillsdale Blvd.
San Mateo, CA 94402

SHEET TITLE
**BUILDING 17
TITLE 24**

REVISIONS

NO.	DATE	DESCRIPTION

DATE AUGUST 27, 2009

DRAWN CEI

CHECKED CEI

SCALE NONE

N&T JOB NO.: 2901

SHEET NUMBER

E-0.12
RD-3.17

LIGHTING COMPLIANCE SUMMARY (Part 1 of 4) OLTG-2-C															
PROJECT NAME COLLEGE OF SAN MATEO BLDG 17											DATE 08/27/09				
LIGHTING POWER ALLOWANCES - GENERAL SITE ILLUMINATION - (Table 147-A)															
A	Allotted Watts			E	F	G	Lamps/Ballasts			Installed Watts					
	B	C	D				H	I	J	K	L	M	N	O	
Lighting Applications Category (Table 147-A)	Area (ft ²) or Length (ft)	Allowed LFD W/FF or W/LF	Added Watts (B x C)	Code for Luminaire (Type)	Description	Cutoff Designation	Lamp Type	Number of Lamps per Luminaire	Watts per Lamp	Number of Ballasts per Luminaire	Watts per Ballast	Number of Luminaire Defaults	Number of Luminaire	Installed Watts (L x N)	
NORTH FAÇADE	1452	0.17	246.84	N	FLUOR. WALL PACK	FULL	FLR	1	70	1	75	✓	3	225	
SOUTH FAÇADE	1452	0.17	246.84	N				1	70	1	75	✓	3	225	
EAST FAÇADE	2208	0.17	375.36	N				1	70	1	75	✓	6	450	
WEST FAÇADE	1392	0.17	236.64	O				1	42	1	46	✓	2	92	
PEDESTRIAN WALKWAY	2880	0.17	489.60	N				1	70	1	75	✓	6	450	
Total Allotted Watts			1595.3										Total Installed Watts		1592.0

2005 Nonresidential Compliance Forms

July 2005

CERTIFICATE OF COMPLIANCE (Part 2 of 2) OLTG-1-C				
PROJECT NAME COLLEGE OF SAN MATEO BLDG 17				
Lighting Schedules on Plans show that Outdoor Lighting Meets Allowed Lighting Power				
<input checked="" type="checkbox"/> Lighting power allow ances for general site illumination on OLTG-2-C Part 1 of 4				
<input type="checkbox"/> Not Applicable				
<input type="checkbox"/> Lighting power allow ances for local ordinances or for security multipliers on OLTG-2-C Part 2 of 4				
<input checked="" type="checkbox"/> Not Applicable				
<input type="checkbox"/> Lighting power allow ances for specific applications, other than vehicle service stations with canopies on OLTG-2-C Part 3 of 4				
<input checked="" type="checkbox"/> Not Applicable				
<input type="checkbox"/> Lighting power allow ances for vehicle service station canopies on OLTG-2-C Part 4 of 4				
<input checked="" type="checkbox"/> Not Applicable				
<input type="checkbox"/> Sign lighting compliance on OLTG-4-C				
<input checked="" type="checkbox"/> Not Applicable				
Mandatory Measures on Plan Show that Outdoor Lighting Meets Outdoor Lighting Controls and Equipment				
Indicate location on plans of Note Block for Mandatory Measure				
<input checked="" type="checkbox"/> Installed lighting power has been determined in accordance with § 130D1				
<input checked="" type="checkbox"/> Not Applicable				
<input type="checkbox"/> All permanently installed luminaires with lamps rated over 100 watts either have a lamp efficacy of at least 60 lumens per watt or are controlled by a motion sensor § 132(a)				
<input checked="" type="checkbox"/> Not Applicable				
<input type="checkbox"/> All luminaires with lamps rated greater than 175 watts in hardscape areas, including parking lots, building entrances, canopies, and all outdoor sales areas meet the Cutoff Requirements of § 132(b)				
<input checked="" type="checkbox"/> Not Applicable				
<input type="checkbox"/> All installed outdoor lighting meets the Control Requirements of § 132(c)1				
<input checked="" type="checkbox"/> Not Applicable				
<input type="checkbox"/> Building facades, parking lots, garages, canopies, and outdoor sales areas meet the Multi-Level Lighting Requirements of § 132(c)2				
<input checked="" type="checkbox"/> Not Applicable				
MANDATORY AUTOMATIC CONTROLS				
CONTROL LOCATION	CONTROL IDENTIFICATION	CONTROL TYPE (Auto Time Switch/Photosensor etc)	AREA CONTROLLED	NOTE TO FIELD
EXISTING BMS	EXISTING BMS	EXISTING BUILDING MANAGEMENT SYSTEM	NORTH, EAST, SOUTH & WEST FAÇADE	

2005 Nonresidential Compliance Forms

April 2005

CERTIFICATE OF COMPLIANCE (Part 1 of 2) OLTG-1-C			
PROJECT NAME COLLEGE OF SAN MATEO BLDG 17			DATE 08/27/09
PROJECT ADDRESS 1700 W. HILLSDALE BLVD. SAN MATEO			
PRINCIPAL DESIGNER - LIGHTING MILES ISERI		TELEPHONE (415) 808-8000	Building Permit
DOCUMENTATION AUTHOR GORDON WILLIAMS		TELEPHONE (415) 808-8000	Checked by/Date Enforcement Agency Use
GENERAL INFORMATION			
DATE OF PLANS	8/27/09	OUTDOOR LIGHTING ZONE (✓ One)	<input type="checkbox"/> LZ1 <input type="checkbox"/> LZ2 <input checked="" type="checkbox"/> LZ3 <input type="checkbox"/> LZ4
FUNCTION TYPE	<input checked="" type="checkbox"/> OUTDOOR LIGHTING	<input type="checkbox"/> OUTDOOR SIGNS	<input type="checkbox"/> INDOOR SIGNS
PHASE OF CONSTRUCTION	<input type="checkbox"/> NEW	<input type="checkbox"/> ADDITION	<input checked="" type="checkbox"/> ALTERATION
STATEMENT OF COMPLIANCE			
This Certificate of Compliance lists the outdoor lighting system specifications need to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building lighting requirements. The documentation preparer hereby certifies that the documentation is accurate and complete.			
DOCUMENTATION AUTHOR GORDON WILLIAMS	SIGNATURE	DATE 08/27/09	
The Principal Lighting Designer hereby certifies that the proposed outdoor lighting and signs design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet lighting requirements contained in applicable parts of Section 110, 119, 130-132, 146, 148, & 149 of Title 24, Part 6. Please ✓ one:			
<input checked="" type="checkbox"/> I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer or electrical engineer, or I am a licensed architect.			
<input type="checkbox"/> I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.			
<input type="checkbox"/> I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.			
(These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.)			
PRINCIPAL LIGHTING DESIGNER-NAME MILES ISERI	SIGNATURE	DATE 08/27/09	LIC. # E17709
INSTRUCTIONS TO APPLICANT OUTDOOR LIGHTING COMPLIANCE & WORKSHEETS (✓ box if worksheet is included)			
For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.			
<input checked="" type="checkbox"/> OLTG-1-C	Certificate of Compliance. Required on plans for all submittals for outdoor lighting. Part 2 of 2 may be incorporated in schedules on the plans.		
<input type="checkbox"/> OLTG-1-C	Either LTG-1-C or OLTG-1-C may be used for signs as follows: 1. Use LTG-1-C if the project consists solely of indoor signs. 2. Use LTG-1-C if the project consists of indoor lighting, and outdoor or indoor signs, but no other outdoor lighting. 3. Use OLTG-1-C if the project consists solely of outdoor signs. 4. Use OLTG-1-C if the project consists of outdoor lighting, and indoor or outdoor signs, but no other indoor lighting.		
<input checked="" type="checkbox"/> OLTG-2-C	LIGHTING COMPLIANCE SUMMARY. Applicable Parts required for ALL outdoor lighting allow ances (Except for Signs)		
<input checked="" type="checkbox"/> OLTG-3-C	AREA CALCULATION WORKSHEETS. Applicable parts required for all outdoor area calculations.		
<input type="checkbox"/> OLTG-4-C	SIGN LIGHTING COMPLIANCE. Required for all internally and externally illuminated signs, for both indoor and outdoor signs.		

2005 Nonresidential Compliance Forms

April 2005

MANDATORY MEASURES : (OUTDOOR)

DETERMINING INSTALL LIGHTING POWER: NOT APPLICABLE.

- INSTALLED LIGHTING POWER HAS BEEN DETERMINED IN ACCORDANCE WITH § 130(c)1.

CONTROL FOR INEFFICIENT LIGHTING SYSTEMS: NOT APPLICABLE.

- ALL OUTDOOR LUMINAIRES WITH LAMPS RATED OVER 100 WATTS MUST EITHER HAVE A LAMP EFFICACY OF AT LEAST 60 LUMENS PER WATT; OR BE CONTROLLED BY A MOTION SENSOR (132(a)).

OUTDOOR LUMINAIRE CUTOFF: NOT APPLICABLE.

- OUTDOOR LUMINAIRES THAT USE LAMPS RATED GREATER THAN 175 WATTS (132(b)) IN THE HARDSCAPE AREAS, PARKING LOTS, BUILDING ENTRANCES, CANOPIES AND ALL OUTDOOR SALES AREAS WILL BE REQUIRED TO BE DESIGNATED CUTOFF IN A PHOTOMETRIC TEST REPORT THAT INCLUDES ANY TILT OR OTHER NON-LEVEL MOUNTING CONDITIONS.

CONTROL TO TURN OFF THE LIGHTS DURING THE DAY:

- ALL PERMANENTLY INSTALLED OUTDOOR LIGHTING MUST BE CONTROLLED BY A PHOTOMETRIC SWITCH OR ASTRONOMICAL TIME SWITCH THAT AUTOMATICALLY TURNS OFF THE OUTDOOR LIGHTING WHEN DAYLIGHT IS AVAILABLE (132(c)1). EXISTING BUILDING MANAGEMENT SYSTEM.

CONTROL TO PROVIDE THE OPTION TO TURN OFF A PORTION OF THE LIGHTS: NOT APPLICABLE

- FOR LIGHTING OF BUILDING FAÇADES, PARKING LOTS, GARAGES, SALES AND NON-SALE CANOPIES, AND ALL OUTDOOR SALES AREAS, AUTOMATIC CONTROLS ARE REQUIRED TO PROVIDE THE OWNER WITH THE ABILITY TO TURN OFF THE LIGHTING OR TO REDUCE THE LIGHTING POWER BY AT LEAST 50% BUT NOT EXCEEDING 80% WHEN THE LIGHTING IS NOT NEEDED (132(c)2).

ILLUMINATED AREA CALCULATION WORKSHEET (Part 3 of 5) OLTG-3-C							
PROJECT NAME COLLEGE OF SAN MATEO BLDG 17							DATE 08/27/09
A. Outdoor Sales Lot Frontage and Sales Lot Area							
A	B	C	D	E	F	G	H
If an Outdoor Sales Frontage allotment was used, subtract that area from the Gross Illuminated Area							
Gross Illuminated Area (ft ²)	Mounting height of Sales Frontage Luminaires (feet)	3 x B	Distance (In plan view) from frontage luminaire to front edge of Sales Lot	Sales Lot Frontage Length (feet)	Sales Frontage Area (C - D) x E (ft ²)	Overlapping Areas of Another Application	Sales Lot Area A - F - G
NA							
Checklist							
<input type="checkbox"/> § 147(c)1B - Each portion of all illuminated areas has been assigned only one lighting application, and the applications are consistent with the actual use of the areas.							
<input type="checkbox"/> § 147(c)2B - Measured in plan view, only illuminated sections of outdoor sales frontage areas that are immediately adjacent to the principal viewing location and unobstructed viewing length, and are within a 3 mounting heights of the frontage have been used. Luminaires qualifying for this allowance are located in plan view between the principal viewing location and the frontage outdoor sales.							
B. Building Façade Area							
A	B	C	D	E	F	G	H
Areas (ft ²) to Subtract from the Gross Illuminated Area Do not double count any areas							
Designated Name and Orientation	Length	Height	Gross Area (B x C)	Areas covered by signs	Area for which illumination is obstructed by Other Objects and Area Not Illuminated	Sub Total (E+F)	Net Area Available for Façade Lighting (D - G)
NORTH FAÇADE	121	12	1452	0	0	0	1452
SOUTH FAÇADE	121	12	1452	0	0	0	1452
EAST FAÇADE	184	12	2208	0	0	0	2208
WEST FAÇADE	116	12	1392	0	0	0	1392
PEDESTRIAN WALKWAY	240	12	2880	0	0	0	2880
Checklist							
<input checked="" type="checkbox"/> § 147(c)1B - Each portion of all illuminated areas has been assigned only one lighting application, and the applications are consistent with the actual use of the areas.							
<input checked="" type="checkbox"/> § 147(c)2A - Only facades areas that are illuminated without construction or interference, by one or more luminaires, have been used.							

2005 Nonresidential Compliance Forms

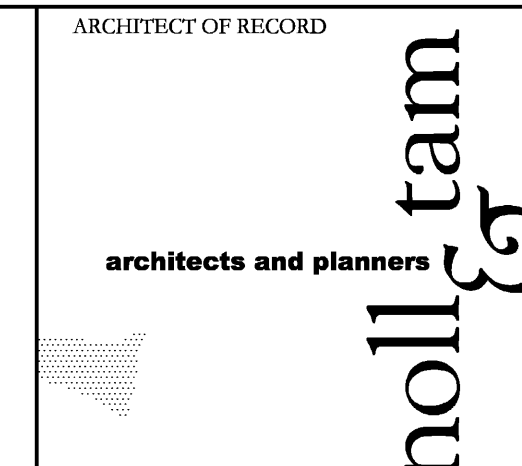
July 2005

ILLUMINATED AREA CALCULATION WORKSHEET (Part 1 of 5) OLTG-3-C							
PROJECT NAME COLLEGE OF SAN MATEO BLDG 17							DATE 3-Nov-09
Hardscape - Method (i)							
A. Hardscape for automotive vehicular use, including parking lots, driveways and site roads							
A	B	C	D	E	F	G	H
List Specific Application (Table 147-A)		Area (ft ²) to Subtract from within Illuminated Area					
N/A	Actual Paved Area plus 5' perimeter of adjacent unpaved land. Includes planters and landscaped areas less than 10' wide that are enclosed by hardscape on at least 3 sides	Areas between poles or luminaires that are greater than 6 mounting height distance (If Applicable)	Overlapping Areas of Another Application or Luminaire	Building Areas	Areas Obstructed By Sign or Other Structure	Sub Total of areas to Subtract (C+D+E+F)	Illuminated Area (B-G)
Checklist							
<input checked="" type="checkbox"/> § 147(c)1B - Each portion of all illuminated areas has been assigned only one lighting application, and the applications are consistent with the actual use of the areas.							
<input checked="" type="checkbox"/> § 147(c)1A - General illumination areas includes only those illuminated areas that are in the bounds of the Application and are within a square pattern around a luminaire that is six times the luminaire mounting height, with the luminaire in the middle of the pattern, less any areas that are within buildings, under canopies, beyond property lines, or obstructed by signs or other structures.							

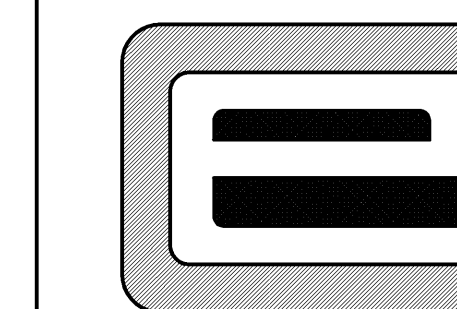
2005 Nonresidential Compliance Forms

July 2005

ARCHITECT OF RECORD



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IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

APPLICATION NUMBER 01 - 110537

AC _____ FLS _____ SS _____

DATE

COLLEGE OF SAN MATEO
BUILDING 12 AND 17
MODERNIZATION

SMCCCD
3401 CSM Drive
San Mateo, CA 94402
College of San Mateo
1700 W. Hillsdale Blvd.
San Mateo, CA 94402

SHEET TITLE

BUILDING 17
TITLE 24
EXTERIOR

REVISIONS

NO.	DATE	DESCRIPTION
	3.25.10	RECORD DOCUMENT B17

DATE AUGUST 27, 2009

DRAWN CEI

CHECKED CEI

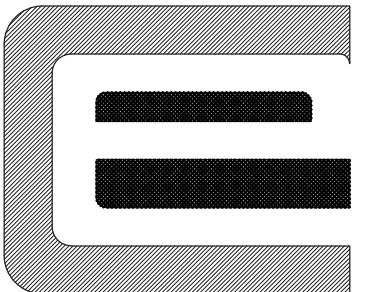
SCALE NONE

N&T JOB NO.: 2901

SHEET NUMBER

E-0.13
RD-3.18

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COLLEGE OF SAN MATEO

BUILDING 12 AND 17
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SMCCCD
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San Mateo, CA 94402

SHEET TITLE

LIGHTING FIXTURES SCHEDULE

REVISIONS

NO.	DATE	DESCRIPTION
	8/3/10	RECORD DOCUMENT

DATE AUGUST 27, 2009
DRAWN CEI
CHECKED CEI
SCALE NONE
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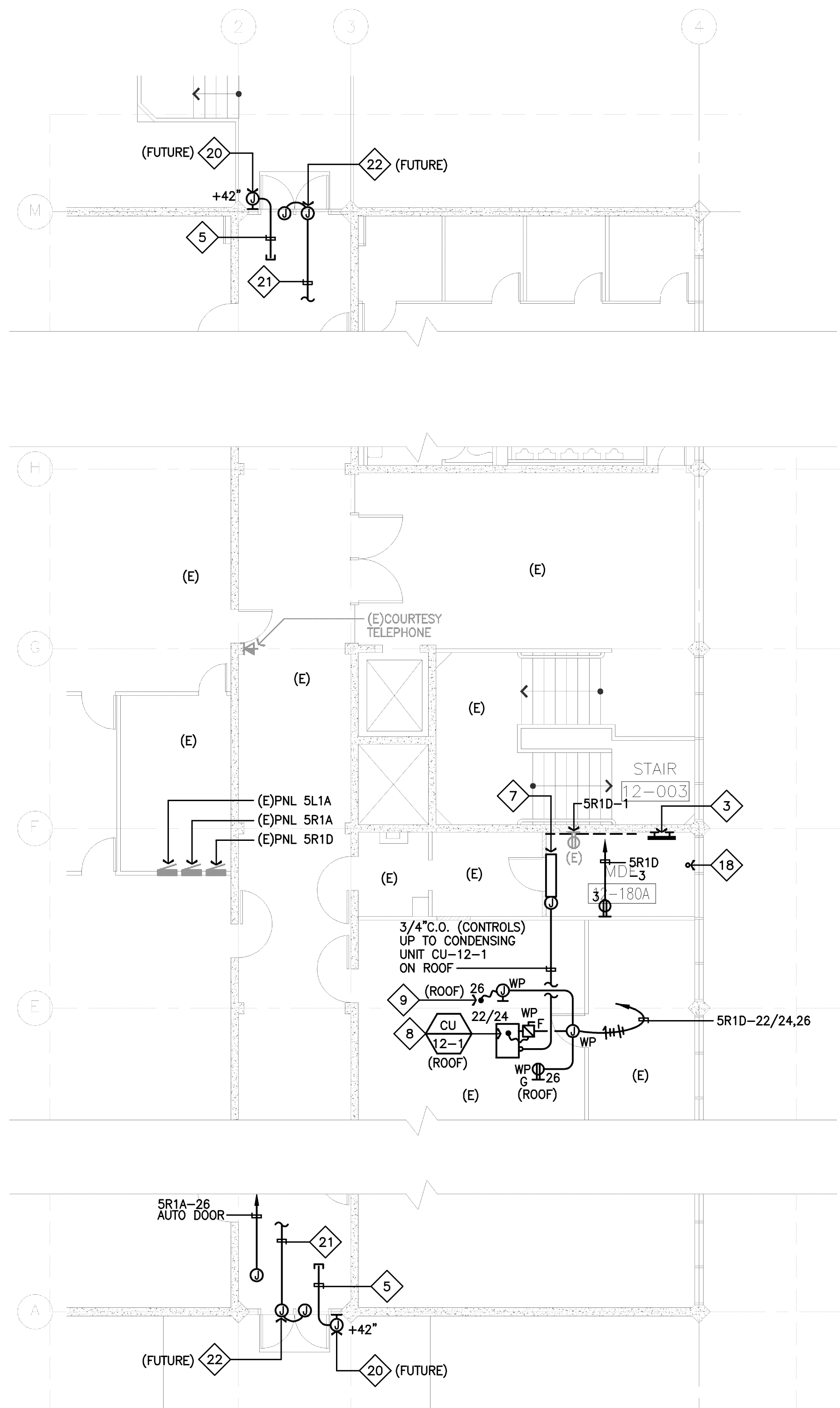
E-0.20
RD-8.19

LIGHTING FIXTURE SCHEDULE

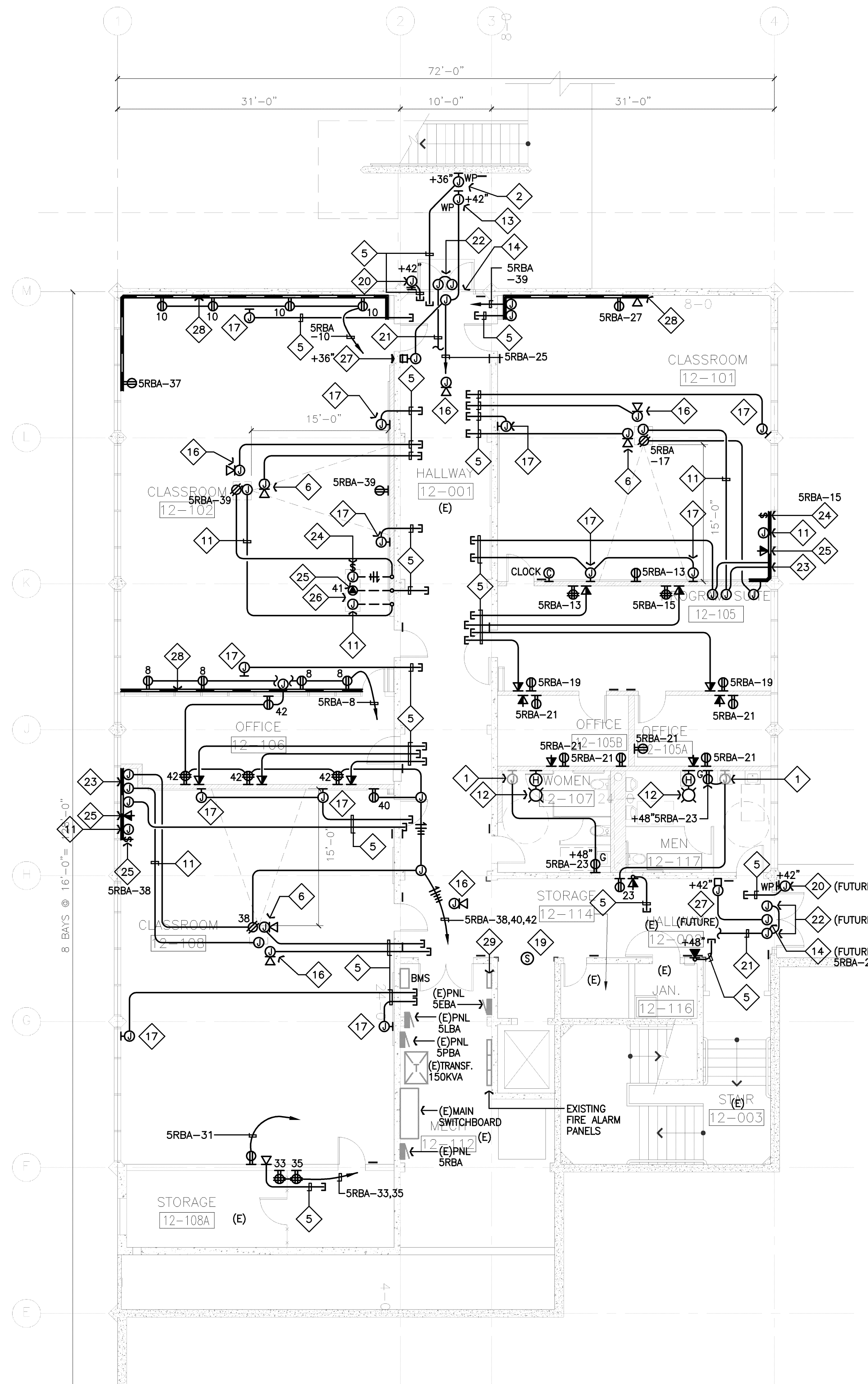
- ALL FLUORESCENT FIXTURES ARE TO HAVE C.E.C. APPROVED ENERGY SAVING TYPE BALLAST.
- ALL LAMPS ARE TO BE ENERGY SAVING TYPE (i.e.-48 INCH FLUORESCENT: 32W, T8).
- SHADED FLUORESCENT FIXTURES ON THE LIGHTING PLANS INDICATE A FIXTURE WITH AN INTEGRAL BATTERY PACK CONNECTED TO A DEDICATED NON-SWITCHED CIRCUIT, OR A FIXTURE CONNECTED TO AN EMERGENCY GENERATOR CIRCUIT. FIXTURES ARE THE SAME AS ALL OTHER FIXTURES OF THAT TYPE.
- ALL SIMILAR FIXTURES OF DIFFERENT SIZES SHALL BE OF THE SAME STYLE AND CONSTRUCTION AND BE PART OF A MATCHING FAMILY OF FIXTURES.

TYPE	MANUFACTURER & CATALOG NO.	DESCRIPTION	LAMP		FIXTURE	
			QTY	DESC.	WATTS	VOLTAGE
(A)	WILLIAMS #D1G-S24-232-WP-EB2-277	2x4 RECESSED FLUORESCENT T-BAR LAY-IN WITH WHITE PERFORATED FLAT DIFFUSER, 2-LAMP ELECTRONIC BALLASTS.	2	F32 T8 3500K	59	277
(A1)	WILLIAMS #D1G-S24-332-WP-EB2-277	SAME AS TYPE "A" EXCEPT: 3-LAMPS	3	F32 T8 3500K	89	277
(B)	WILLIAMS #D1S-24-232-WP-EB2-277	2x4 SURFACE MOUNTED FLUORESCENT FIXTURE WITH WHITE PERFORATED FLAT DIFFUSER, 2-LAMP ELECTRONIC BALLASTS.	2	F32 T8 3500K	59	277
(B1)	WILLIAMS #D1S-24-332-WP-EB2-EL-277	SAME AS TYPE "B" EXCEPT: 3-LAMP FIXTURE. ELECTRONIC BALLASTS.	3	F32 T8 3500K	89	277
(C)	WILLIAMS #DIG-S24-232-WP-EB2-277 -DFK	2X4 RECESSED FLUORESCENT WITH FLANGE/DRYWALL FRAME IN KIT WITH WHITE PERFORATED FLAT DIFFUSER AND 2-LAMP ELECTRONIC BALLAST	2	F32 T8 3500K	59	277
(C1)	WILLIAMS #20-4-232-A-EB2-120	4FT SURFACE MOUNTED FLUORESCENT WRAP AROUND WITH CLEAR ACRYLIC PRISMATIC LENSE AND (1) 2-LAMP ELECTRONIC BALLAST.	2	F32 T8 3500K	59	120
(C2)	WILLIAMS #20-4-132-A-EB1-120	SAME AS TYPE "C1" EXCEPT: 1-LAMP FIXTURE.	1	F32 T8 3500K	30	120
(C3)	WILLIAMS #DIS-24-232-WP-EB2-277	SAME AS TYPE "C" EXCEPT: SURFACE MOUNTED	2	F32 T8 3500K	59	277
(D)	WILLIAMS #29-4-232-A-EB2-277	4FT SURFACE MOUNTED FLUORESCENT WALL BRACKET WITH ACRYLIC LENSE AND 2LAMP ELECTRONIC BALLAST.	2	F32 T8	59	277
(D1)	WILLIAMS #29-4-232-A-EB2-120	SAME AS TYPE "D" EXCEPT: 120 VOLTS	2	F32 T8	59	120
(E)	LITHONIA AF18TRT-8-AR-POL-277	8" DIA. RECESSED FLUORESCENT DOWNLIGHT WITH CLEAR TRIM RING, SEMI-SPECULAR REFLECTOR AND CLEAR POLYCARBONATE LENS AND ELECTRONIC BALLAST	1	PL T8	22	277
(F)	WILLIAMS 75-4-232-WG11-EB2-277	4FT FLUORESCENT STRIP FIXTURE WITH WIRE GUARD AND (1)2-LAMP ELECTRONIC BALLAST.	2	F32 T8 3500K	59	277
(F1)	WILLIAMS 75-4-132-WG11-EB2-277	SAME AS TYPE "F" EXCEPT: ONE LAMP FIXTURE.	1	F32 T8 3500K	30	277
(F2)	WILLIAMS 75-4-232-WG11-EB2-120	SAME AS TYPE "F" EXCEPT: 120V	2	F32 T8 3500K	59	120
(F3)	WILLIAMS 75-4-132-WG11-EB2-120	SAME AS TYPE "F1" EXCEPT: 120V	1	F32 T8 3500K	30	120
(G)	LITE CONTROL #SD66N-28-T8-BW-CWM-TW-ELB-277	96" LONG SURFACE MOUNTED FLUORESCENT FIXTURE WITH MATTE WHITE FINISH. WHITE BLADE BAFFLE (2) 2 LAMP ELECTRONIC BALLAST.	4	F32 T8	118	277
(G1)	LITE CONTROL #SD66N-24-T8-BW-CWN-TW-ELB-277	SAME AS TYP "G" EXCEPT: 48" LONG FIXTURE.	2	F32 T8	59	277
(H)	WILLIAMS #DISHS-2-2-2-40TT-WPR-DUST CVR-EB2-UNV.	2x2 FLUORESCENT LAY-IN WITH WHITE PERFORATED ROUND DIFFUSER, DUST AND DEBRIS COVER, (1) 2 LAMP ELECTRONIC BALLAST.	2	F40TT	86	277
(K)	LITE CONTROL #PD66N 48 T8-FP-CWM-TW-ELB-277	96" LONG PENDANT MOUNTED FLUORESCENT FIXTURE WITH WHITE ACRYLIC DIFFUSER AND (2) TWO LAMP ELECTRONIC BALLASTS	4	F32 T8 3500K	118	277
(L)	PRESCOLITE ARCHITRAK W/(3) AKTILOE 218 BL HEADS & (1) AKT10 ONE CIRCUIT TRACK	WALL WASH TRACK WITH (3) 12" LONG FLUORESCENT WALL WASHERS & 10 FT OF SURFACE MOUNTED TRACK WITH REQUIRED HARDWARE.	(2) PER HEAD	FT18 DL/835 RS/ECCO	120	277
(L1)	PRESCOLITE ARCHITRAK W/(2) AKTILOE 218 BL HEADS & (1) AKT6 ONE CIRCUIT TRACK	SAME AS TYPE "L" EXCEPT: (2) HEADS & 6 FT TRACK.	(2) PER HEAD	FT18 DL/835 RS/ECCO	80	277
(M)	LITE CONTROL #RD 66N-48-T8-FP-CWM-TW-ELB-277	8FT x 6" RECESSED FLUORESCENT FIXTURE WITH WHITE ACRYLIC LENS AND (2) TWO LAMP ELECTRONIC BALLASTS.	4	F32 T8 3500K	118	277
(N)	RUUD LTG GWCO270-U	16"x17" SURFACE MOUNTED FLUORESCENT WALL PACK WITH BOROSILICATE GLASS LENS, SPECULAR ALUMINUM REFLECTOR, GASKETED WATERTIGHT SEAL & FULL CUT OFF.	1	70W CFM70W GX24Q 835	75	120

(O)	RUUD LTG. #E5242-120-UL-J-V	10"W x 6"H x5"D SURFACE MOUNTED FLUORESCENT UP/DOWN EXTERIOR FIXTURE WITH CUT OFF POLY CARBONATE LENS AND TAMPER PROOF SCREWS.	-	CFM42W GX542Q 835	46	120
(P)	TO BE DETERMINED	SURFACE MOUNTED FLUORESCENT FIXTURE WITH GASKETED POLY CARBONATE LENS AND WET LOCATION LABEL.	2	PL18 DTT	44	VERIFY
(Q)	LUMINIS NT110L.F226-EM42S	CEILING MOUNTED COMPACT FLUORESCENT FIXTURE WITH PRISMATIC GLASS LENS DIFFUSER, PURE CAST ALUMINUM COPPER HOUSING, ELECTRONIC BALLAST	2	PL26	26	120
(R)	EXISTING TO REMAIN	EXISTING 2x4 SURFACE MOUNTED FLUORESCENT FIXTURE, CLEAN AND RE-LAMP AS REQUIRED ELECTRONIC BALLASTS.	2	F32 T8 3500K	59	277
(X)	LITHONIA #LQM-S-W-3-G-120/277-ELN-SD	EXIT SIGN WITH WHITE HOUSING, GREEN STENCIL FACE, UNIVERSAL MOUNTING, NICKEL CADMIUM EMERGENCY BATTERY WITH SELF DIAGNOSTICS.	INC.	LED	5	277



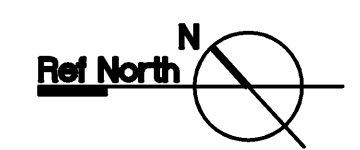
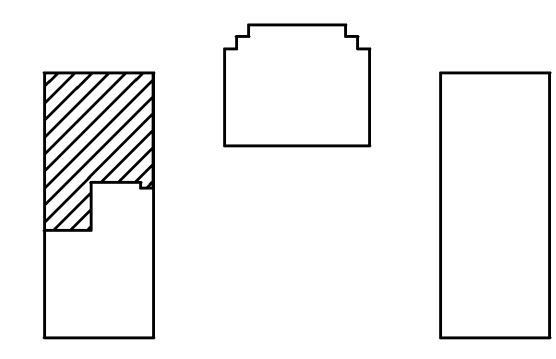
2 2ND FLOOR POWER PLAN - BUILDING 12
E-2.10 1/8"=1'-0"



1 1ST FLOOR POWER PLAN - BUILDING 12
E-2.10 1/8"=1'-0"

SHEET NOTES:

- 1 INTERCEPT EXISTING RESTROOM RECEPTACLE CIRCUIT AND EXTEND TO NEW RECEPTACLE LOCATION AS REQUIRED.
- 2 DOOR OPENER PUSHBUTTON LOCATION.
- 3 MDF ROOM GROUND BUS. SEE DETAIL 1/E-6.1.0.
- 4 VERIFY LOCATION OF AUTO FLUSH VALVE.
- 5 STUB CONDUIT INTO ACCESSIBLE CEILING SPACE.
- 6 VERIFY PROJECTOR LOCATION AT CEILING.
- 7 FAN COIL UNIT MOUNTED ABOVE DOOR BY OTHERS. SEE UNIT WIRING DIAGRAM ON MECH. SHEET AC6.01.
- 8 CONNECT TO CONDENSING UNIT CU-12-1, 1.2KW 208V, 1Ø. VERIFY LOCATION ON ROOF. SEE UNIT WIRING DIAGRAM ON MECH. SHEET AC6.01.
- 9 CONNECT TO CONDENSING UNIT CONDENSATE PUMP. 1/6HP 120V.
- 10 DELETED.
- 11 2°C.O. (DATA) FROM PROJECTOR TO INSTRUCTORS STATION.
- 12 REFER TO FIRE ALARM PLANS FOR EXACT HORN/STROBE LOCATION.
- 13 VERIFY KEY PAD AND DOOR OPENER JUNCTION BOX LOCATION AND SIZE. SEE DETAIL 2/E-6.0.0.
- 14 CONNECT TO 120 VOLT AUTO DOOR OPENER. VERIFY OPENER CONNECTION.
- 15 MDF ROOM GROUND BUS. SEE DETAIL 4/E-6.0.0.
- 16 VERIFY WIRELESS ACCESS POINT (WAP) (2 CAT6).
- 17 VERIFY SPEAKER BACK BOX LOCATION, SIZE AND CONDUIT REQUIREMENTS.
- 18 (2) 4" DATA CONDUIT CORES TO FIRST FLOOR. VERIFY LOCATION.
- 19 VERIFY EVENT ANNUNCIATOR JUNCTION BOX LOCATION IN CEILING.
- 20 CARD READER. LOCATE AT ACTIVE LEAF SIDE OF DOOR.
- 21 ROUTE 3/4"C.O. TO MDF ROOM 12-180A.
- 22 VERIFY DOOR CONTACT LOCATION.
- 23 WIREMOLD V4000 DIVIDED. VERIFY MOUNTING LOCATION BELOW WINDOWS AT TEACHERS STATION.
- 24 PROJECTOR POWER ON/OFF SWITCH.
- 25 DATA/TELEPHONE OUTLET. (3) CAT 6.
- 26 VERIFY TEACHER STATION LOCATION AND REQUIRED FLOOR BOX REQUIREMENTS.
- 27 VERIFY DOOR OPERATOR PUSH BUTTON LOCATION ROUTE WIREMOLD V700 RACEWAY DOWN TO PUSH BUTTON LOCATION. VERIFY REQUIRED PUSH BUTTON JUNCTION BOX SIZE. LOCATE AT ACTIVE LEAF SIDE OF DOOR.
- 28 WIREMOLD V4000.
- 29 LIGHTING INVERTER/PANEL LI12.



ARCHITECT OF RECORD

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C-10 LIC.NO. 174637

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IDENTIFICATION STAMP
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APPLICATION NUMBER 01-110537
AC _____ FLS _____ SS _____
DATE _____

COLLEGE OF SAN MATEO
BUILDING 12 AND 17
MODERNIZATION
SMCCCD
3401 CSM Drive
San Mateo, CA 94402
College of San Mateo
1700 W. Hillsdale Blvd.
San Mateo, CA 94402

SHEET TITLE
**BUILDING 12
POWER PLAN**

REVISIONS		
NO.	DATE	DESCRIPTION
8/3/10		RECORD DOCUMENT

DATE AUGUST 27, 2009
DRAWN CEI
CHECKED CEI
SCALE 1/8"=1'-0"
N&T JOB NO.: 2901

SHEET NUMBER
**E-2.10
RD-7.6**

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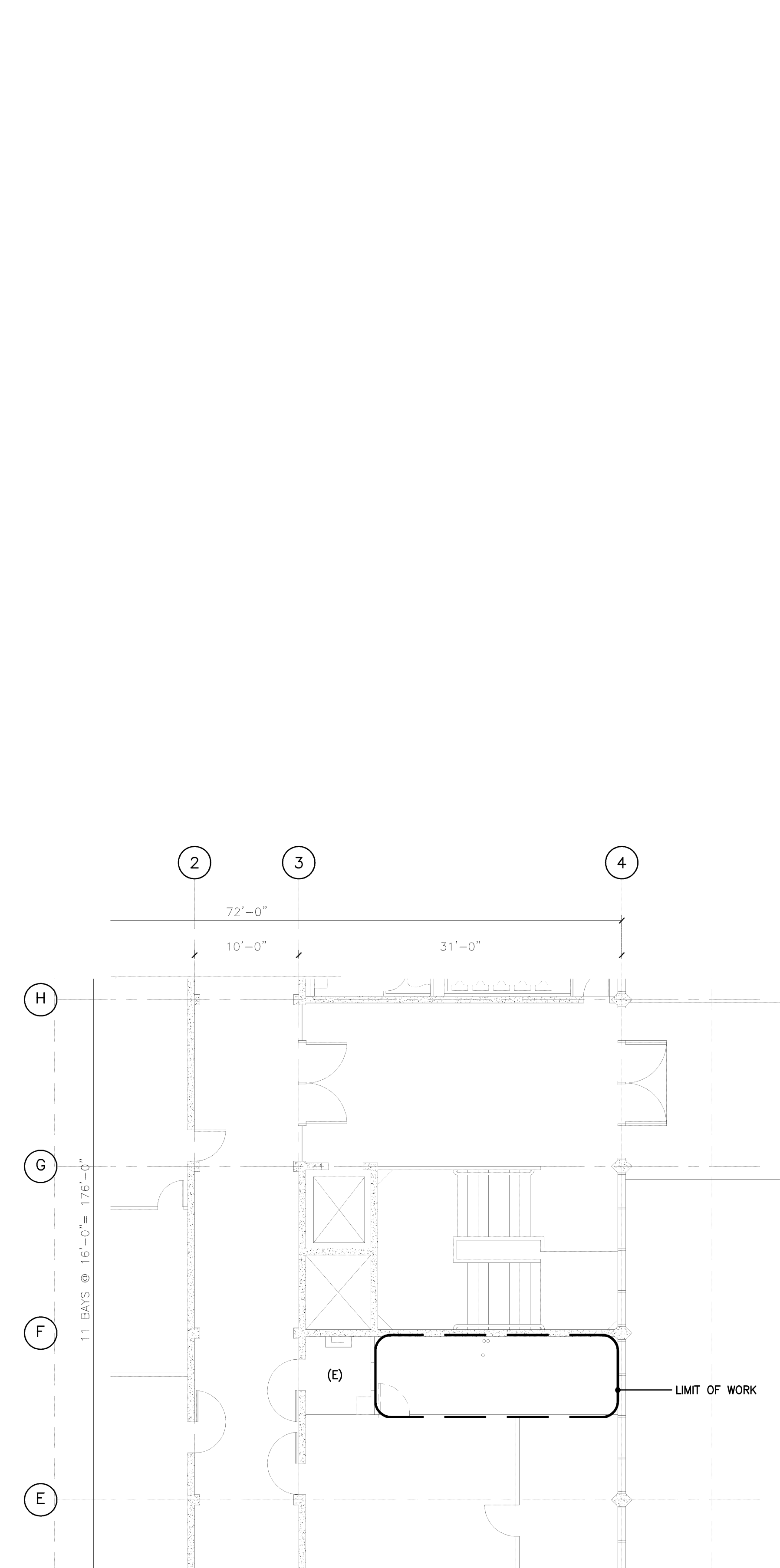
SHEET TITLE
**BUILDING 12
 POWER PLAN
 DEMOLITION**

REVISIONS		
NO.	DATE	DESCRIPTION
	8/3/10	RECORD DOCUMENT

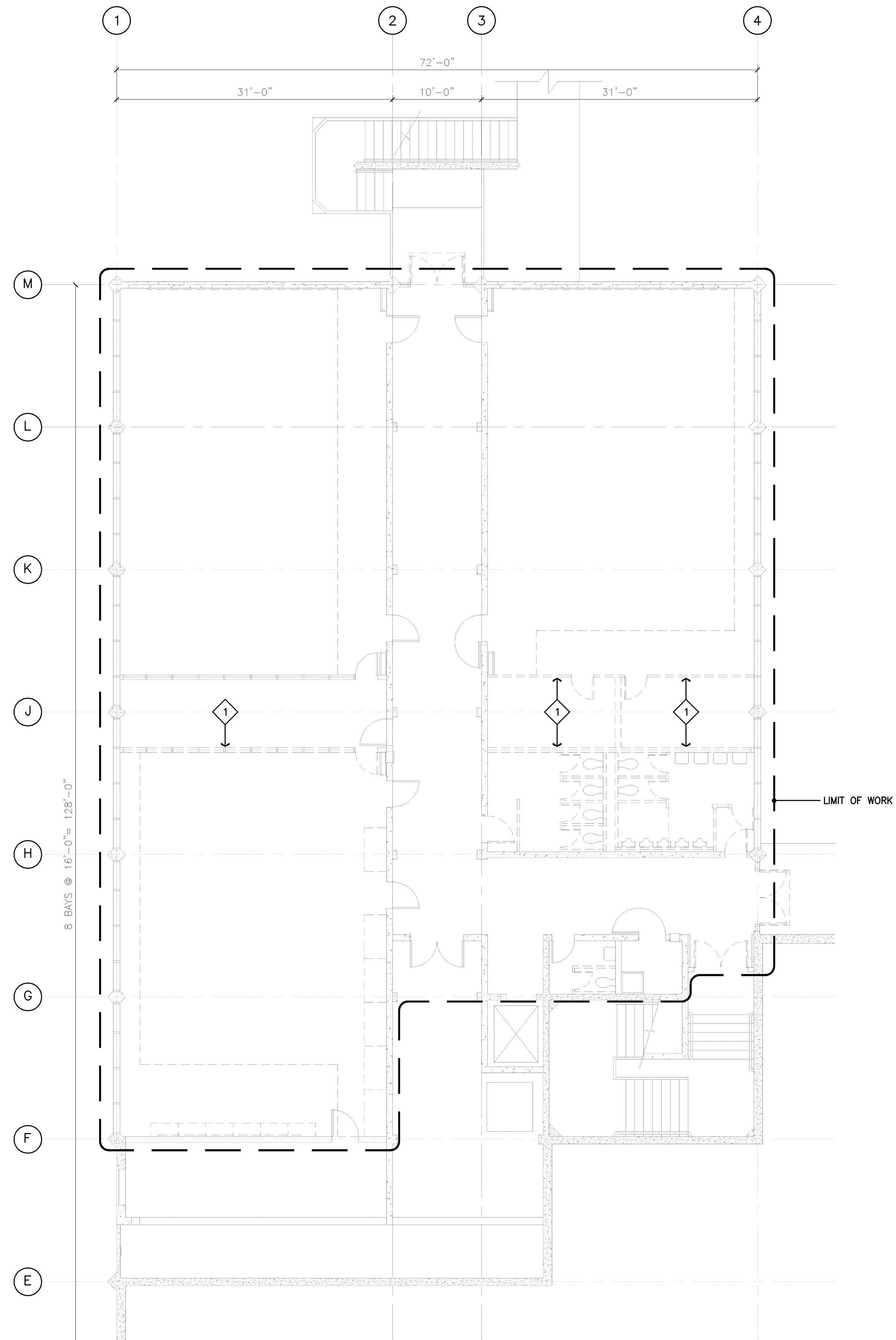
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N&T JOB NO.:	2901

SHEET NUMBER
E-2.10D

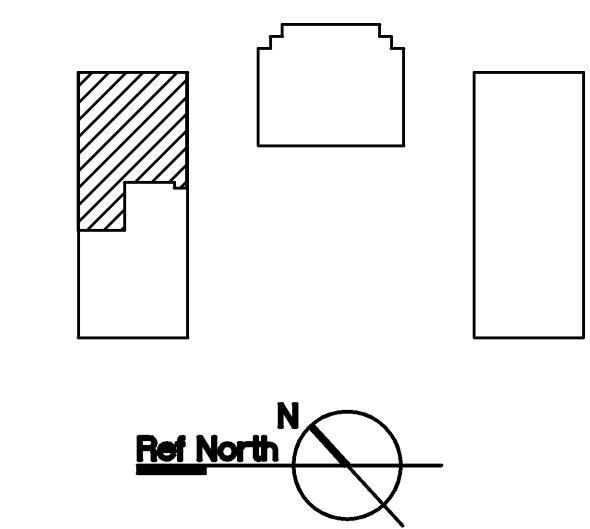
SHEET NOTES:
 1 SAFE OFF AND REMOVE EXISTING RECEPTACLES AS REQUIRED. CIRCUIT TO BE REUSED, SEE POWER PLAN E2.10.



2 2ND FLOOR POWER PLAN DEMOLITION-BUILDING 12
 E-2.10D 1/8" = 1'-0"



1 1ST FLOOR POWER PLAN DEMOLITION-BUILDING 12
 E-2.10D 1/8" = 1'-0"



REVISIONS		
NO.	DATE	DESCRIPTION
3.25.10		RECORD DOCUMENT B17

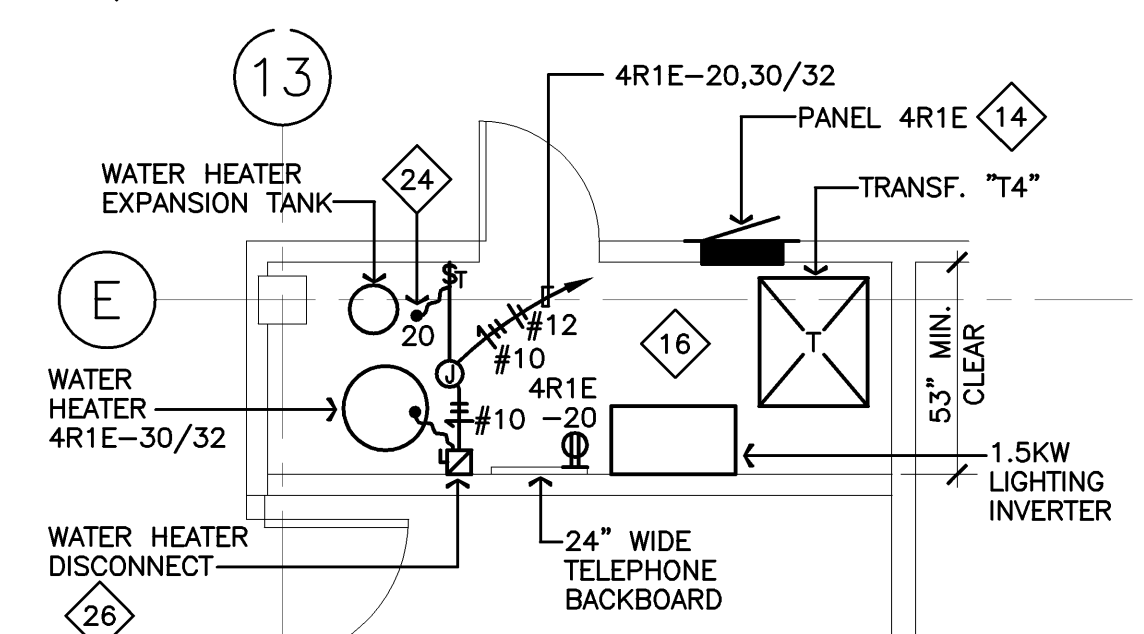
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SCALE	1/8"=1'-0"
N&T JOB NO.:	2901

GENERAL NOTES:

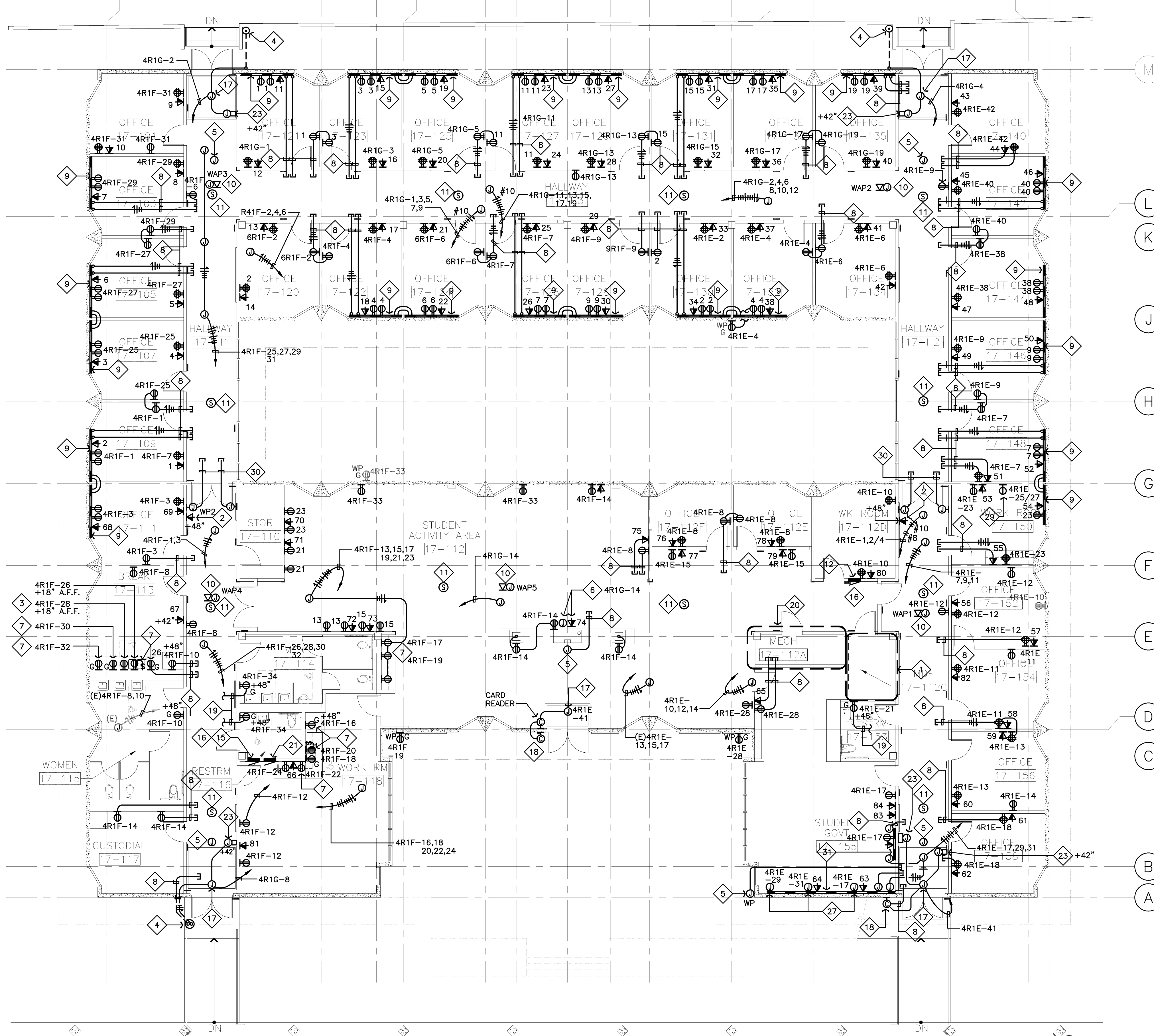
- G1. NEW EQUIPMENT/WORK SHOWN BOLD. EXISTING EQUIPMENT SHOWN SHADED.
- G2. VERIFY RECEPTACLE AND DATA OUTLET LOCATION WITH FURNITURE PLANS.

SHEET NOTES:

- 1 MDF. ROOM. SEE DETAILS 5/E-6.0.0 & 6/E-6.0.0.
- 2 VERIFY COURTESY TELEPHONE LOCATION.
- 3 CONNECT TO 1500WATT, 120V, INSTA-HOT.
- 4 CARD READER/DOOR OPENER BOLLARD LOCATION. SEE DETAIL 3/E-6.0.0.
- 5 VERIFY SECURITY CAMERA JUNCTION BOX LOCATION AND POWER REQUIREMENTS.
- 6 VERIFY PROJECTOR JUNCTION BOX LOCATION AT CEILING.
- 7 VERIFY RECEPTACLE MOUNTING HEIGHT ABOVE COUNTER.
- 8 STUB CONDUIT UP INTO ACCESSIBLE CEILING SPACE.
- 9 WIREMOLD V4000 DIVIDED RACEWAY, (1)POWER, (1)DATA. SEE DETAIL 8/E-6.0.0.
- 10 VERIFY WIRELESS ACCESS POINT LOCATION IN CEILING.
- 11 VERIFY EVENT ANNUNCIATOR JUNCTION BOX LOCATION IN CEILING.
- 12 NEW PANELBOARD 4L1D.
- 13 DELETED.
- 14 NEW PANELBOARD 4R1E.
- 15 NEW PANELBOARD 4R1F.
- 16 MAINTAIN 36" CLEAR WORKING SPACE IN FRONT OF PANELBOARDS. REQUIRED CLEARANCE AREA TO BE MARKED ON FLOOR BY SIGNAGE CONTRACTOR.
- 17 CONNECT TO 120 VOLT AUTO DOOR OPENER ABOVE DOOR. VERIFY LOCATION.
- 18 WALL MOUNTED KEYPAD/DOOR OPERATOR LOCATION.
- 19 UP TO LIGHT FIXTURE.
- 20 SEE DETAIL 2/E-2.2.1.
- 21 NEW PANELBOARD 4R1G.
- 22 WIREMOLD V700 FROM HALLWAY. MOUNT WIREMOLD AS HIGH ON WALL AS POSSIBLE. ROUTE WIREMOLD DOWN WALL AT RECEPTACLE LOCATION. SEE DETAIL 4/E-6.0.0.
- 23 VERIFY DOOR OPERATOR PUSHBUTTON LOCATION. ROUTE WIREMOLD V700 RACEWAY DOWN TO PUSHBUTTON LOCATION. VERIFY REQUIRED PUSHBUTTON JUNCTION BOX SIZE.
- 24 CONNECT TO EXISTING CIRCULATION PUMP. 20A, 120V.
- 25 CARD READER LOCATION. VERIFY JUNCTION BOX SIZE.
- 26 CONNECT EXISTING CIRCUITS 4R1E-30/32 TO NEW WATER HEATER (WH-1) 30A, 208V, 1Ø.
- 27 VERIFY JUNCTION BOX AND DATA OUTLETS LOCATIONS AND WORK STATION.
- 28 MOUNT RECEPTACLE AND DATA OUTLET AT +46" A.F.F.
- 29 NEMA 6-30 RECEPTACLE. 30A, 208V, 1Ø (COPIER)
- 30 STUB DOOR HOLDER CONDUIT UP INTO ACCESSIBLE CEILING. VERIFY DEVICE LOCATION AT DOOR.
- 31 WIREMOLD V4000.

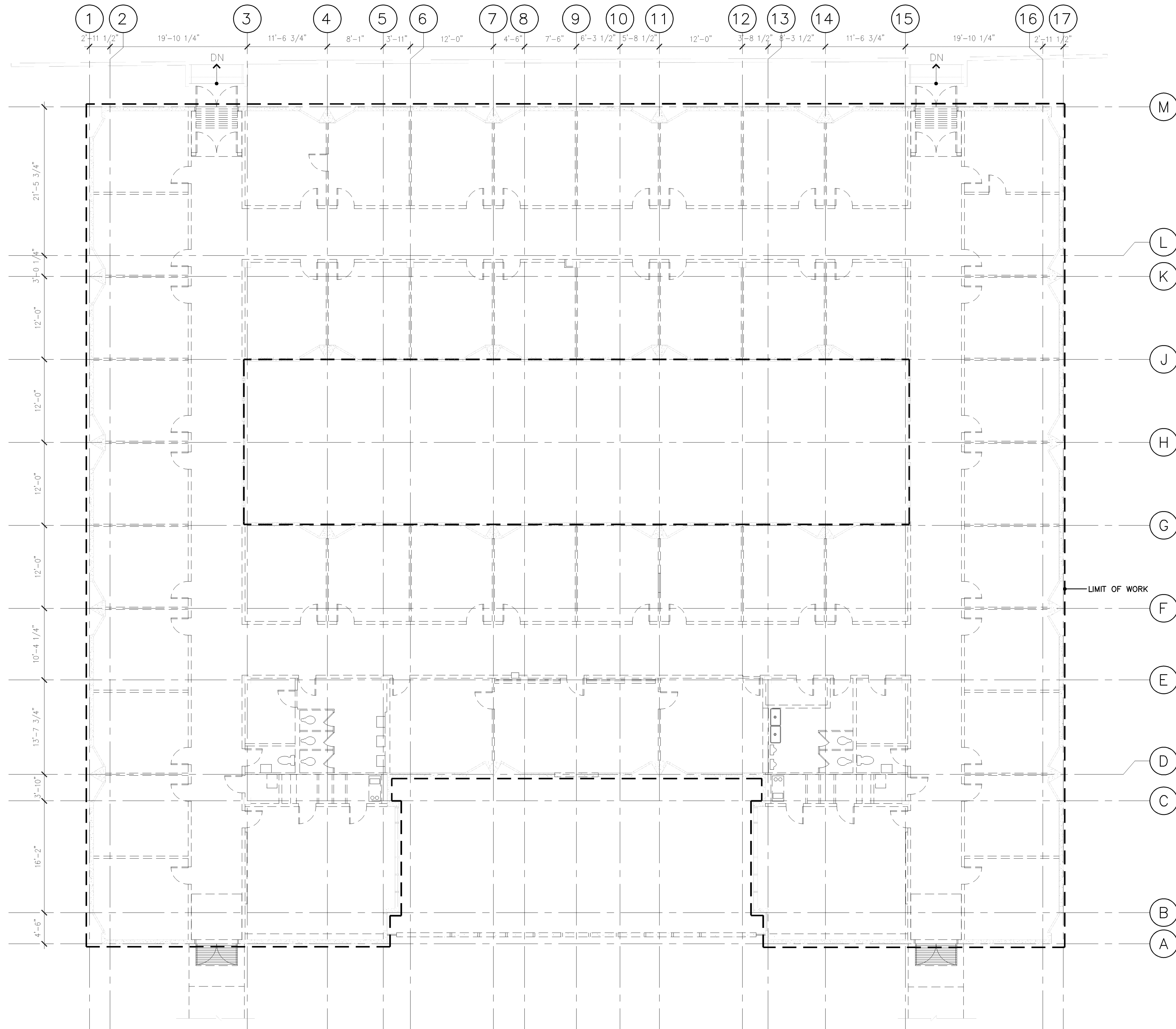


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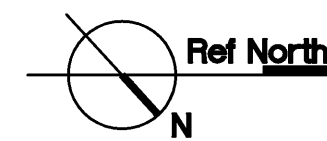


1 POWER PLAN - BUILDING 17
E-2.2.1 1/8"=1'-0"

2 MECH RM 17-112A POWER PLAN
E-2.2.1 1/4"=1'-0"



1 POWER PLAN DEMOLITION – BUILDING 17
E-2.2.1D 1/8"=1'-0"



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 College of San Mateo
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 San Mateo, CA 94402

SHEET TITLE
**BUILDING 17
 POWER PLAN
 DEMOLITION**

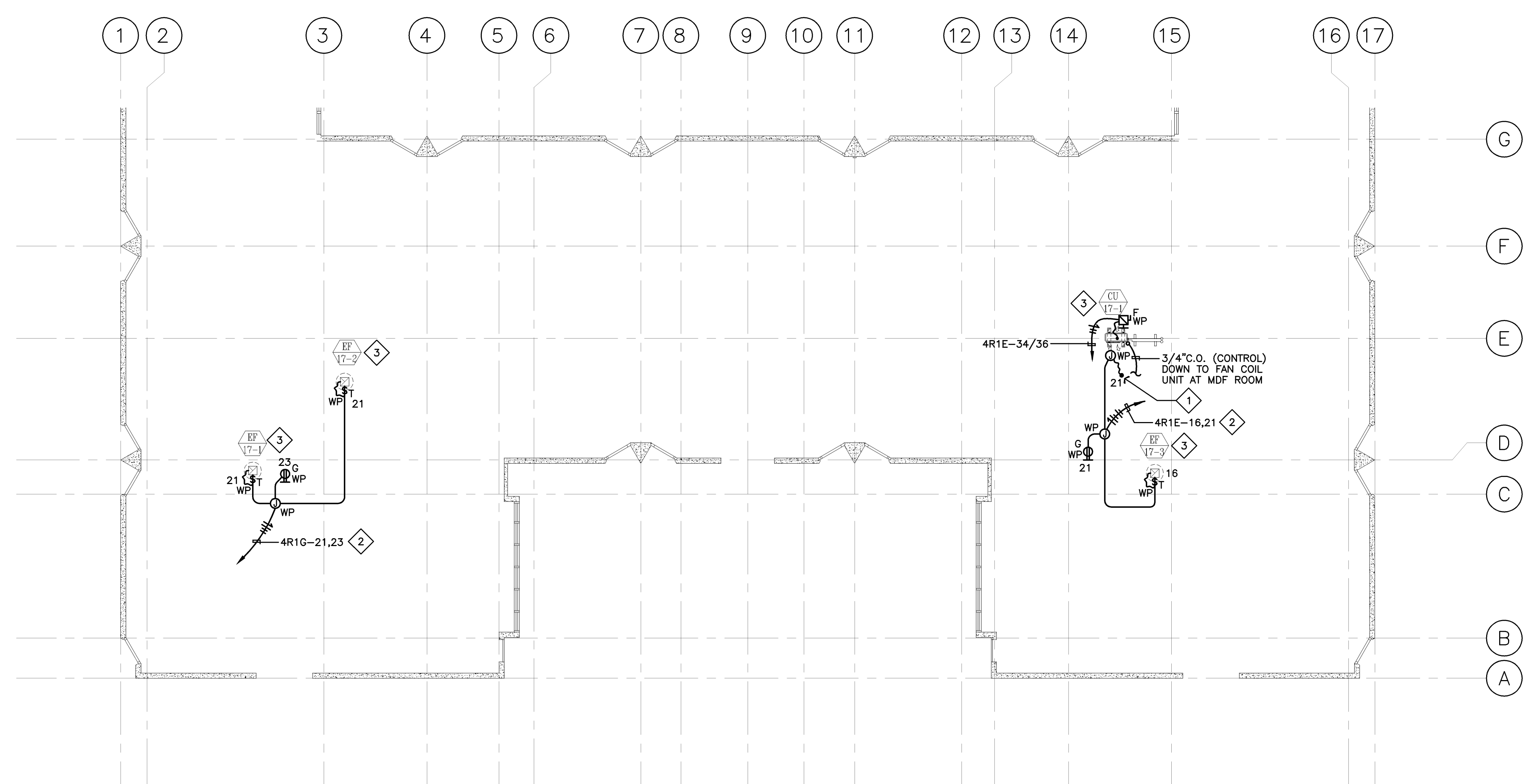
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NO.	DATE	DESCRIPTION
1	3.25.10	RECORD DOCUMENT B17

DATE AUGUST 27, 2009
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 CHECKED CEI
 SCALE 1/8"=1'-0"
 N&T JOB NO.: 2901

SHEET NUMBER
E2.2.1D

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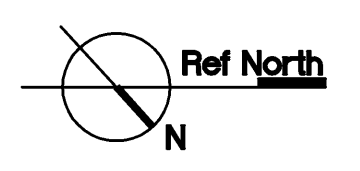
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N&T JOB NO.:	2901

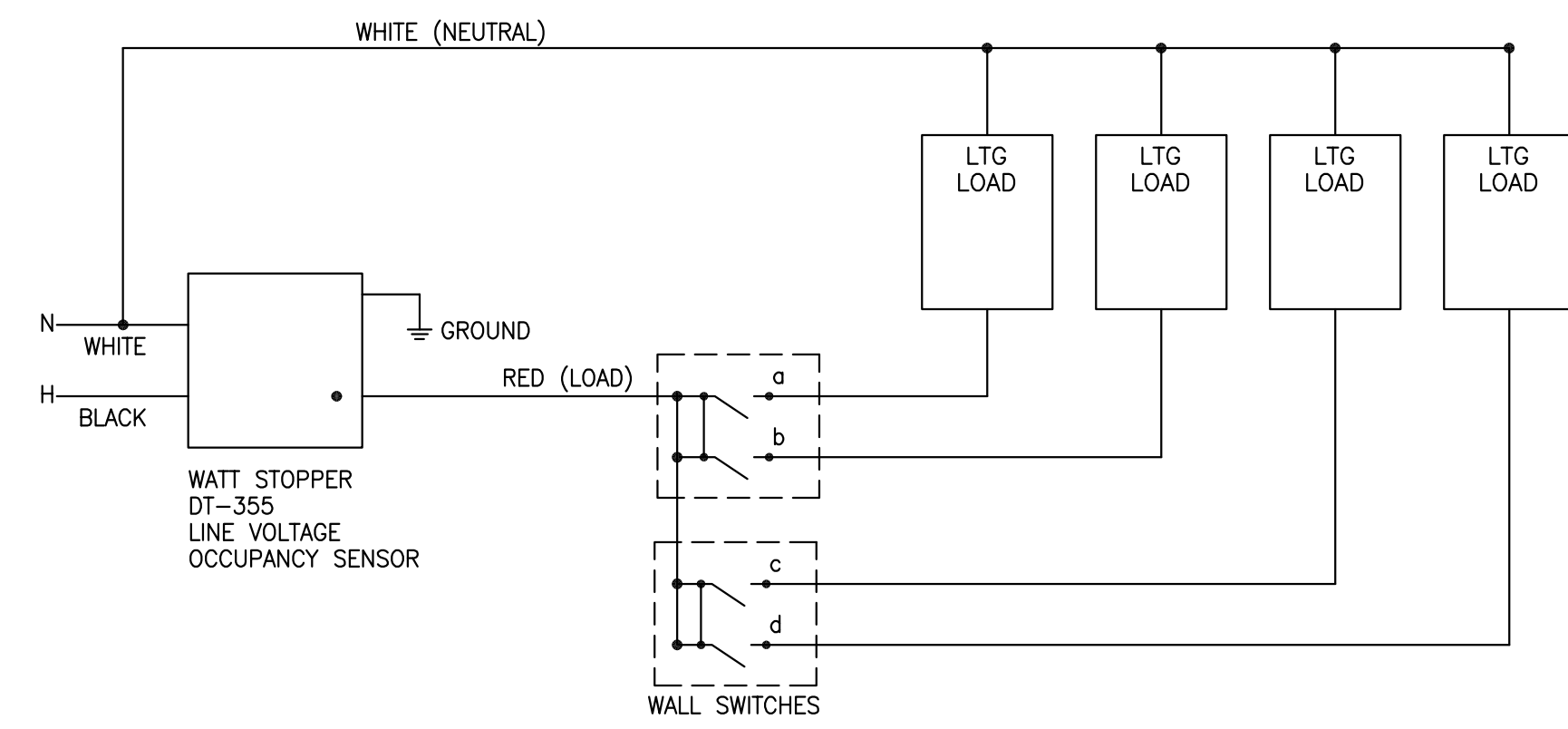


1 POWER PLAN - ROOF - BUILDING 17
E-2.2.2 1/8"=1'-0"

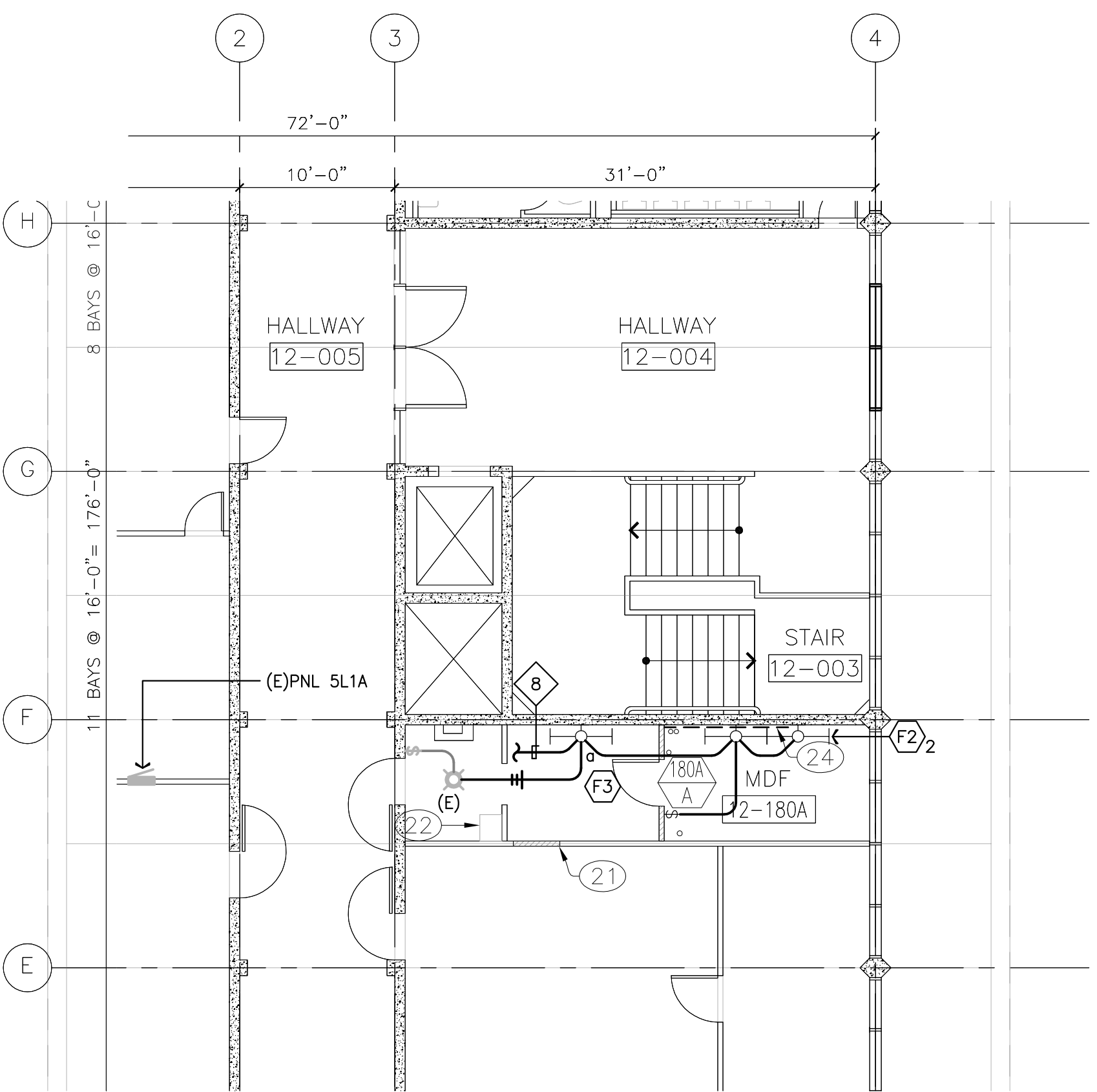
SHEET NOTES:

- 1 CONNECT TO CONDENSING UNIT CONDENSATE PUMP 1/6HP, 120V.
- 2 ROUTE CIRCUITS 4RIG-21 AND 4R1E-16 VIA EXISTING BUILDING MANAGEMENT SYSTEM (BMS).
- 3 SEE UNIT WIRING DIAGRAM ON MECH. SHEET AC6.01.

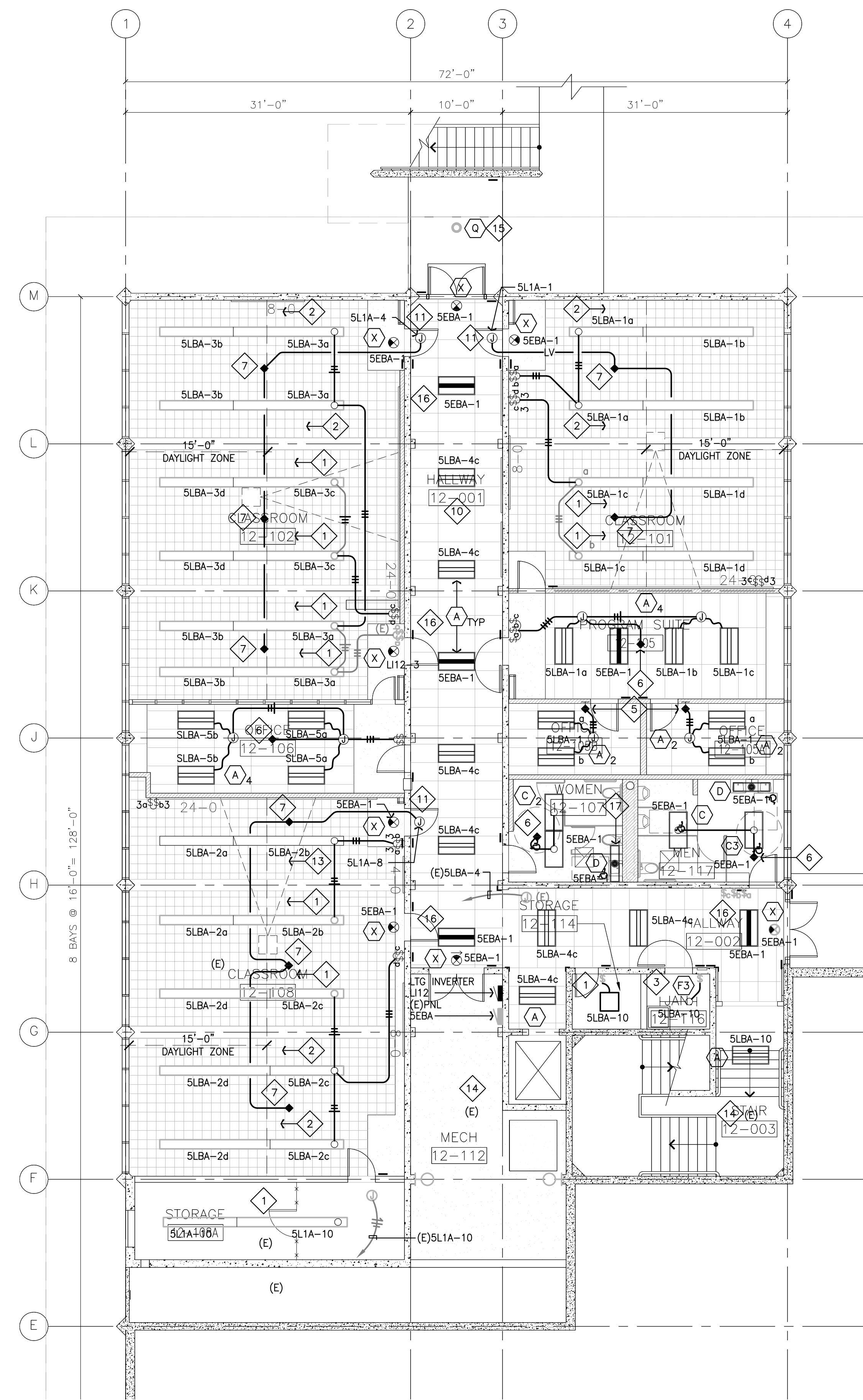




3 CLASSROOM SWITCHING DETAIL
E-3.1.0 N.T.S.



2 2ND FLOOR LIGHTING PLAN-BUILDING 12
E-3.1.0 1/8"=1'-0"



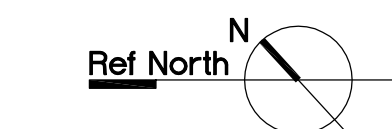
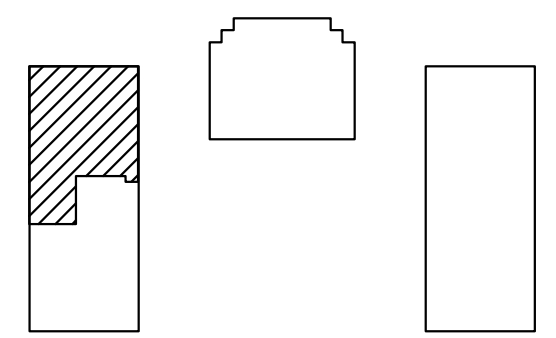
1 1ST FLOOR LIGHTING PLAN-BUILDING 12
E-3.1.0 1/8"=1'-0"

GENERAL NOTES:

- G1. FIELD SET OCCUPANCY SENSOR TIME DELAY AS FOLLOWS:
- 1) CLASSROOM AND CONFERENCE ROOMS: 15 MINUTES.
 - 2) RESTROOM: 15 MINUTES. 30 MINUTES IF INTERLOCK WITH THE EXHAUST FAN.
 - 3) STORAGE ROOM, JANITOR'S CLOSETS, SINGLE STALL RESTROOM: 5 MINUTES.
 - 4) OFFICES: 15 MINUTES.
 - 5) ALL OTHER SPACES: 15 MINUTES.

SHEET NOTES:

- 1) EXISTING LIGHTING FIXTURES, SWITCHING AND CEILING TO REMAIN. CLEAN EXISTING ACRYLIC LENSES AND RELAMP FIXTURES.
- 2) EXISTING LIGHTING FIXTURE. DISCONNECT EXISTING FIXTURE SWITCHING AND REMOVE BACK TO LAST UNCHANGED FIXTURE. EXTEND EXISTING UNSWITCHED LIGHTING CIRCUIT TO FIXTURE THROUGH NEW SWITCHES. REPLACE EXISTING ACRYLIC LENSES AND RELAMP FIXTURES.
- 3) REPLACE EXISTING DOWN LIGHT WITH NEW FLUORESCENT STRIP FIXTURE. VERIFY EXISTING CIRCUIT VOLTAGE. REPLACE EXISTING PLASTIC SWITCH PLATE WITH NEW METAL SWITCH PLATE. EXISTING CIRCUITING TO REMAIN.
- 4) DELETED.
- 5) DUAL LEVEL WALL MOUNTED OCCUPANCY SENSOR. WATT STOPPER WI-300-277V OR APPROVED EQUAL.
- 6) CEILING MOUNTED LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR. WATT STOPPER DT-355-277V OR APPROVED EQUAL.
- 7) CEILING MOUNTED LINE DUAL TECHNOLOGY OCCUPANCY SENSOR. CONNECT OCCUPANCY SENSOR AHEAD OF SWITCHES. WATT STOPPER MODEL DT-355-277V OR APPROVED EQUAL. SEE DETAIL 3/E-3.1.0
- 8) CONNECT TO EXISTING UNSWITCHED 120 VOLT LIGHTING CIRCUIT MADE AVAILABLE DURING DEMOLITION.
- 9) SINGLE LEVEL WALL MOUNTED OCCUPANCY SENSOR. WATT STOPPER WI-200-277V OR APPROVED EQUAL.
- 10) CONNECT NEW NORMAL LIGHTING FIXTURES TO EXISTING LIGHTING CIRCUIT 5L1A-22. NEW EGRESS LIGHTING FIXTURES TO EXISTING EGRESS CIRCUIT 5EBA-1 AND NEW EXIT LIGHTS TO EXISTING EXIT CIRCUIT 5EBA-5. RECONNECTED HALLWAY LIGHTING FIXTURES ARE CONTROLLED BY BUILDING MANAGEMENT SYSTEM (BMS).
- 11) SEE CLASSROOM SWITCHING DETAIL 3/E-3.1.0.
- 12) EXISTING LIGHTING FIXTURES TO REMAIN. CONNECT TO NEW LIGHTING CONTROLS AS REQUIRED. FIXTURE SIMILAR TO FIXTURE TYPE "C1".
- 13) RELOCATE EXISTING FIXTURES. SWITCHING AND CEILING TO REMAIN. CLEAN EXISTING ACRYLIC LENSES AND RELAMP FIXTURES.
- 14) LIGHTING NOT IN SCOPE OF WORK.
- 15) REPLACE EXISTING LIGHT FIXTURE. EXISTING CIRCUITING AND CONTROL TO REMAIN.
- 16) CONNECT EGRESS LIGHTING FIXTURES TO EXISTING NIGHTLIGHT CIRCUIT 5EBA-1. CONNECT EXIT LIGHT FIXTURES TO EXISTING EXIT CIRCUIT 5EBA-3.
- 17) MOUNT FIXTURE TIGHT TO THE CORNER OF THE PLUMBING WALL AND THE HALLWAY WALL.



ARCHITECT OF RECORD

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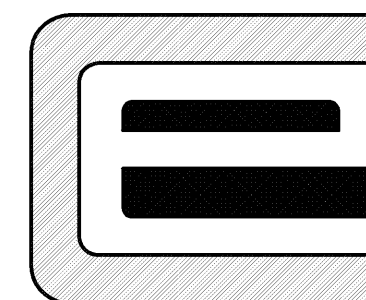
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SHEET TITLE
**BUILDING 12
LIGHTING PLAN**

REVISIONS		
NO.	DATE	DESCRIPTION

DATE	AUGUST 27, 2009
DRAWN	CEI
CHECKED	CEI
SCALE	1/8"=1'-0"
N&T JOB NO.:	2901

SHEET NUMBER
E-3.1.0
RD-8.21



CUPERTINO ELECTRIC

1740 CESAR CHAVEZ STREET
SAN FRANCISCO, CA 94124
(415)970-3400
C-10 LIC.NO. 174637

*THESE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED BY CUPERTINO ELECTRIC, INC. FOR THEIR EXCLUSIVE USE IN ACCORD WITH SEC. 6737.4 OF THE PROFESSIONAL ENGINEERS ACT OF THE STATE OF CALIFORNIA.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

APPLICATION NUMBER 01-110537

AC _____ FLS _____ SS _____

DATE _____

COLLEGE OF SAN MATEO
BUILDING 12 AND 17
MODERNIZATION

SMCCCD
3401 CSM Drive
San Mateo, CA 94402
College of San Mateo
1700 W. Hillsdale Blvd.
San Mateo, CA 94402

SHEET TITLE

**BUILDING 12
LIGHTING PLAN
DEMOLITION**

REVISIONS

NO.	DATE	DESCRIPTION
	8/3/10	RECORD DOCUMENT

DATE AUGUST 27, 2009

DRAWN CEI

CHECKED CEI

SCALE 1/8"=1'-0"

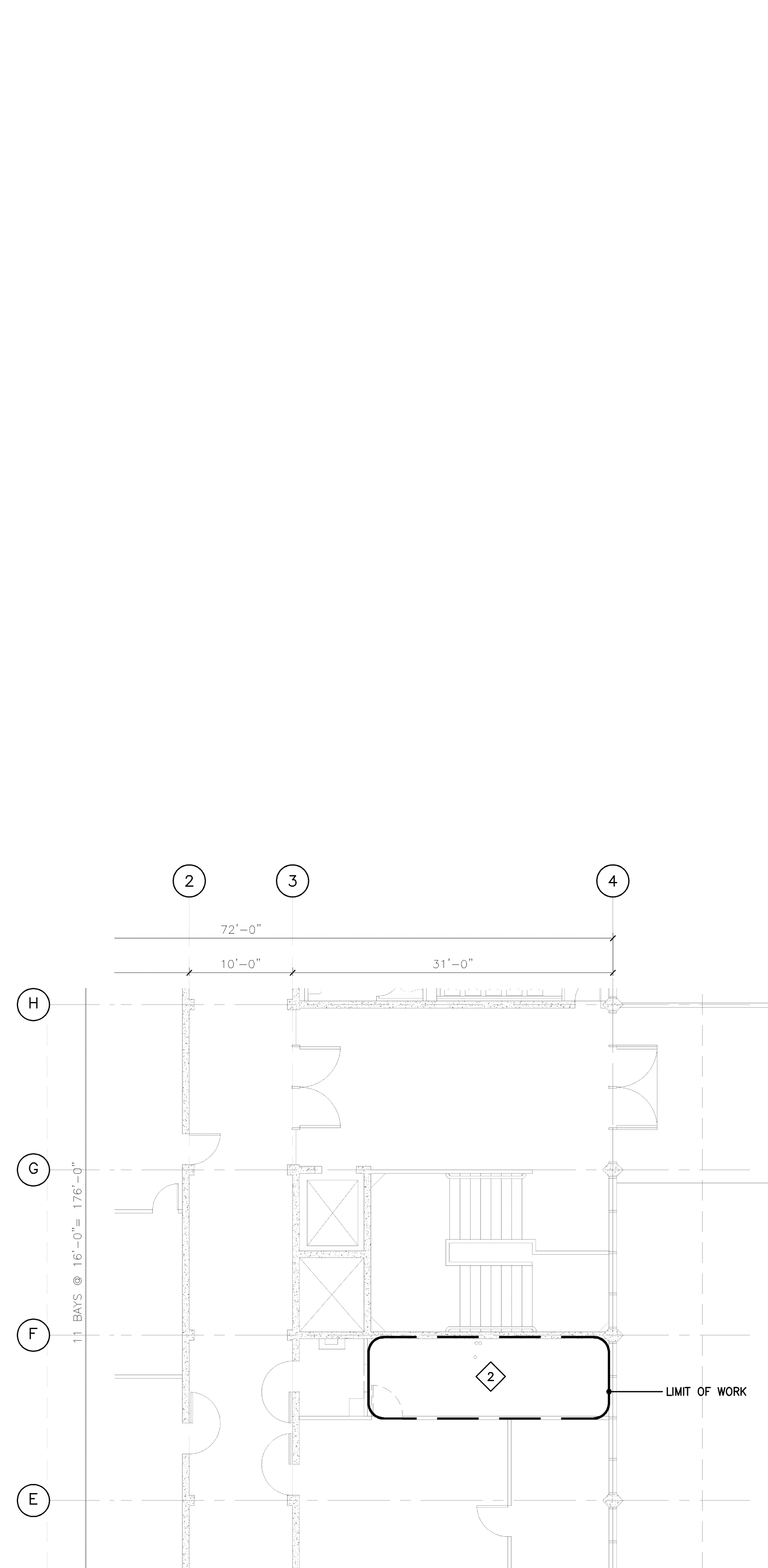
N&T JOB NO.: 2901

SHEET NUMBER

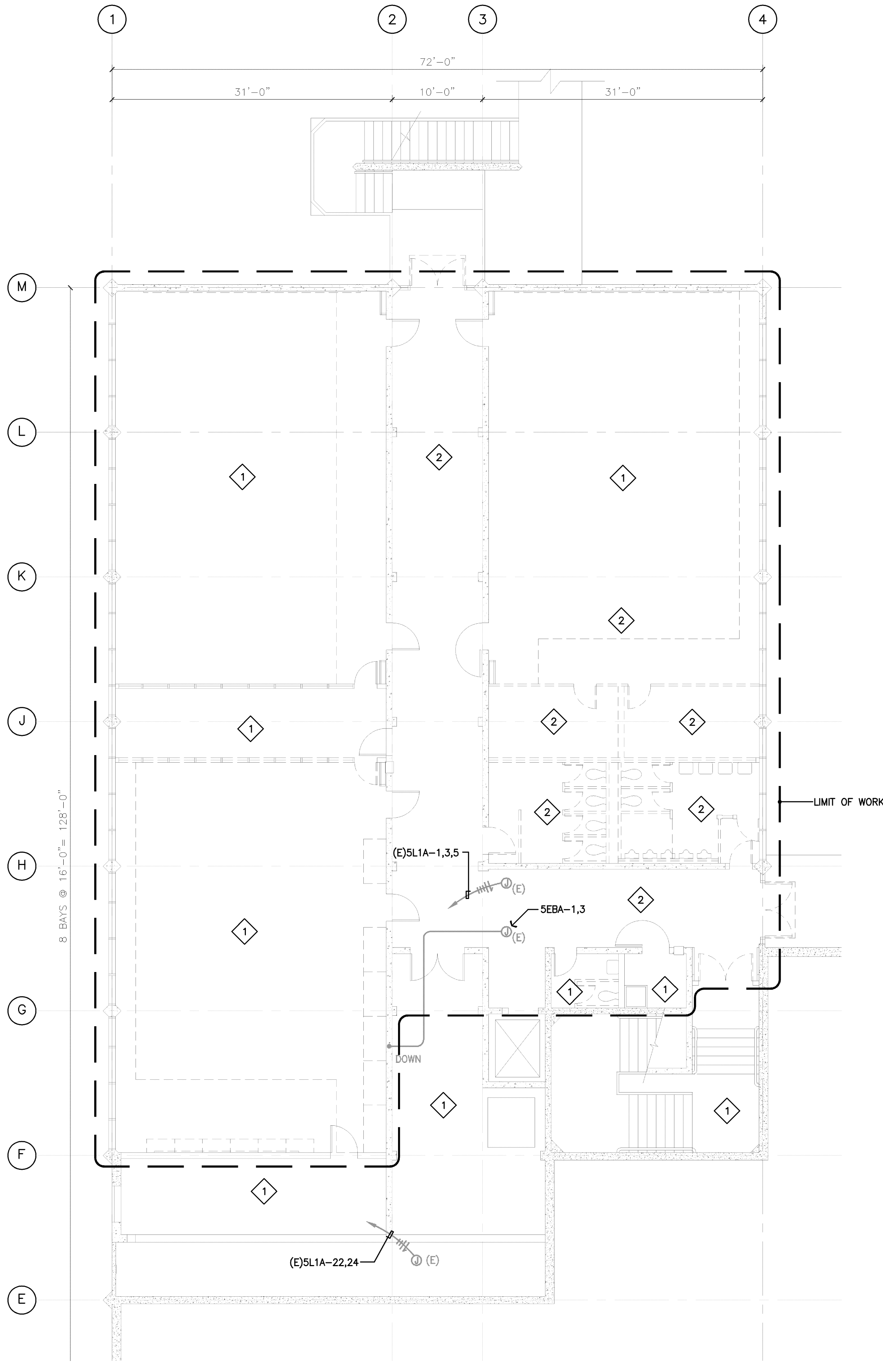
E-3.1.0D

SHEET NOTES:

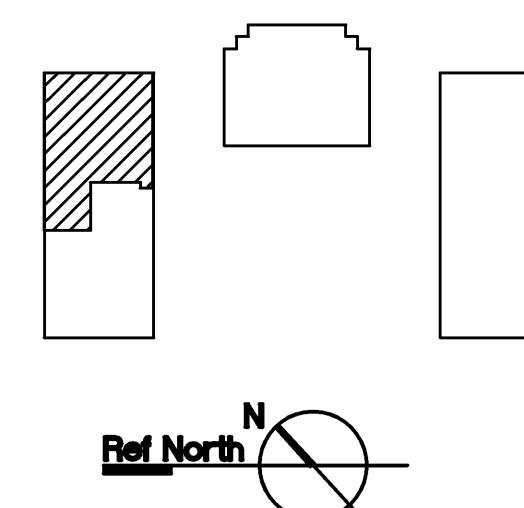
- 1 MAINTAIN CIRCUIT CONTINUITY TO ANY LIGHTING FIXTURES (IN LABS, STORE ROOMS, WORK ROOMS, CLASS ROOMS ETC.) THAT ARE TO REMAIN.
- 2 REMOVE EXISTING LIGHTING FIXTURES. SAFE-OFF LIGHTING CIRCUITS AS REQUIRED. LIGHTING CIRCUITS TO BE REUSED. SEE LIGHTING PLAN E-2.1.2.

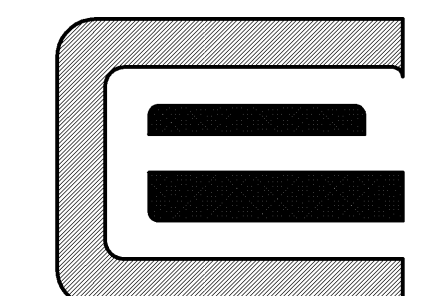


2 2ND FLOOR LIGHTING PLAN DEMOLITION-BUILDING 12
E-3.1.0D 1/8"=1'-0"



1 1ST FLOOR LIGHTING PLAN DEMOLITION-BUILDING 12
E-3.1.0D 1/8"=1'-0"





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SHEET TITLE
**BUILDING 17
LIGHTING PLAN**

REVISIONS		
NO.	DATE	DESCRIPTION
3.25.10		RECORD DOCUMENT B17

DATE AUGUST 27, 2009
DRAWN CEI
CHECKED CEI
SCALE 1/8"=1'-0"
N&T JOB NO.: 2901

SHEET NUMBER

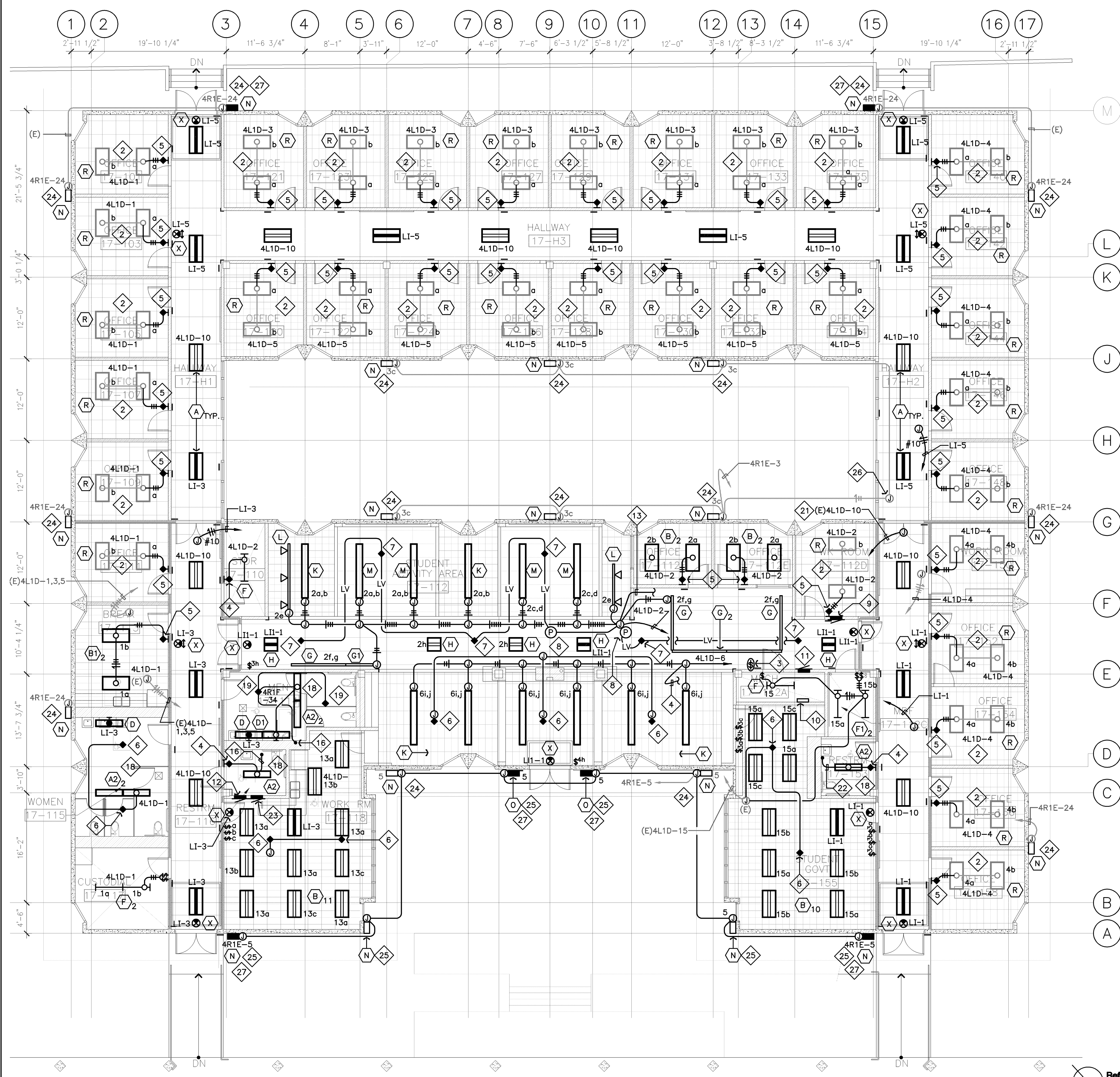
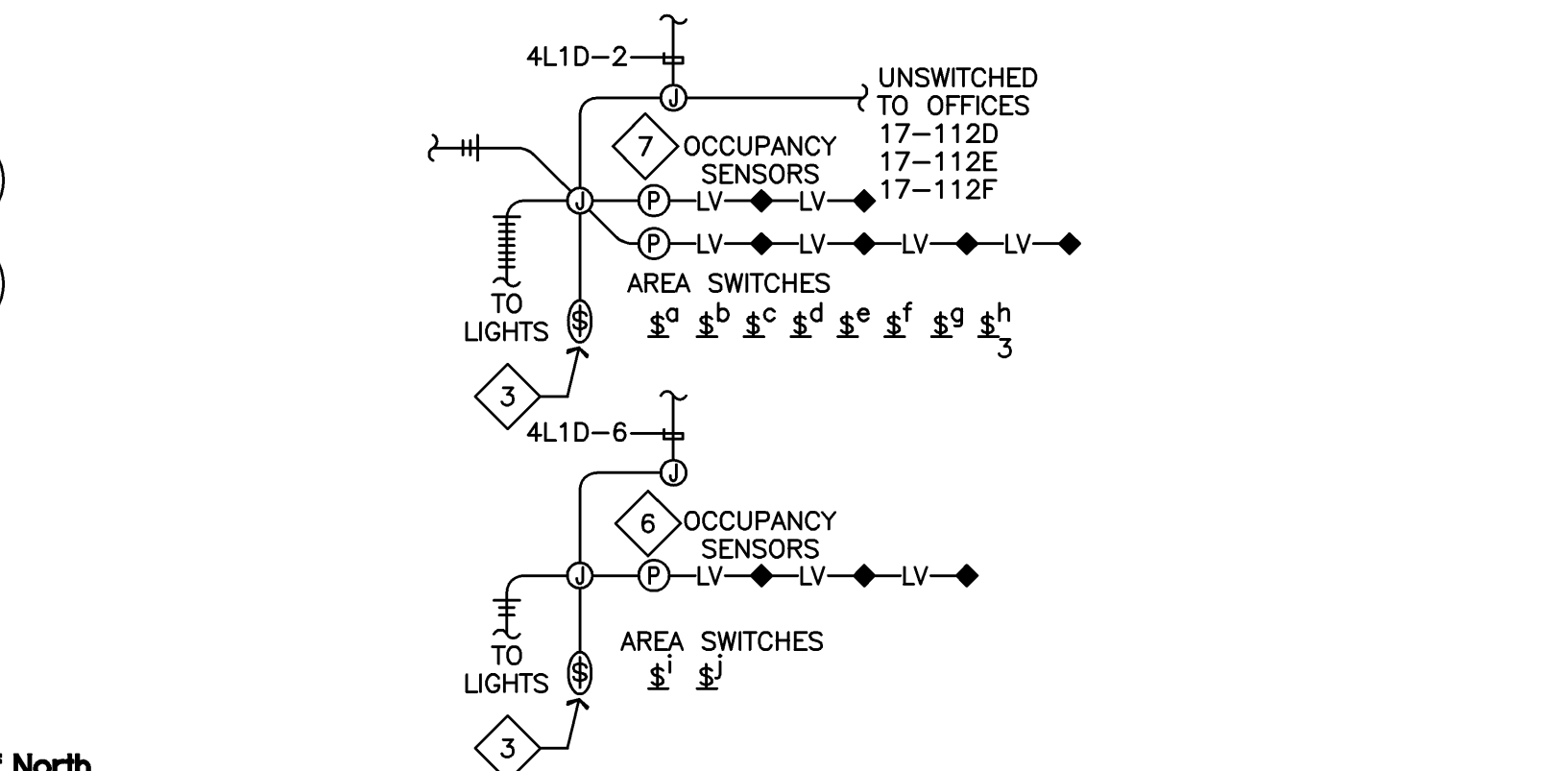
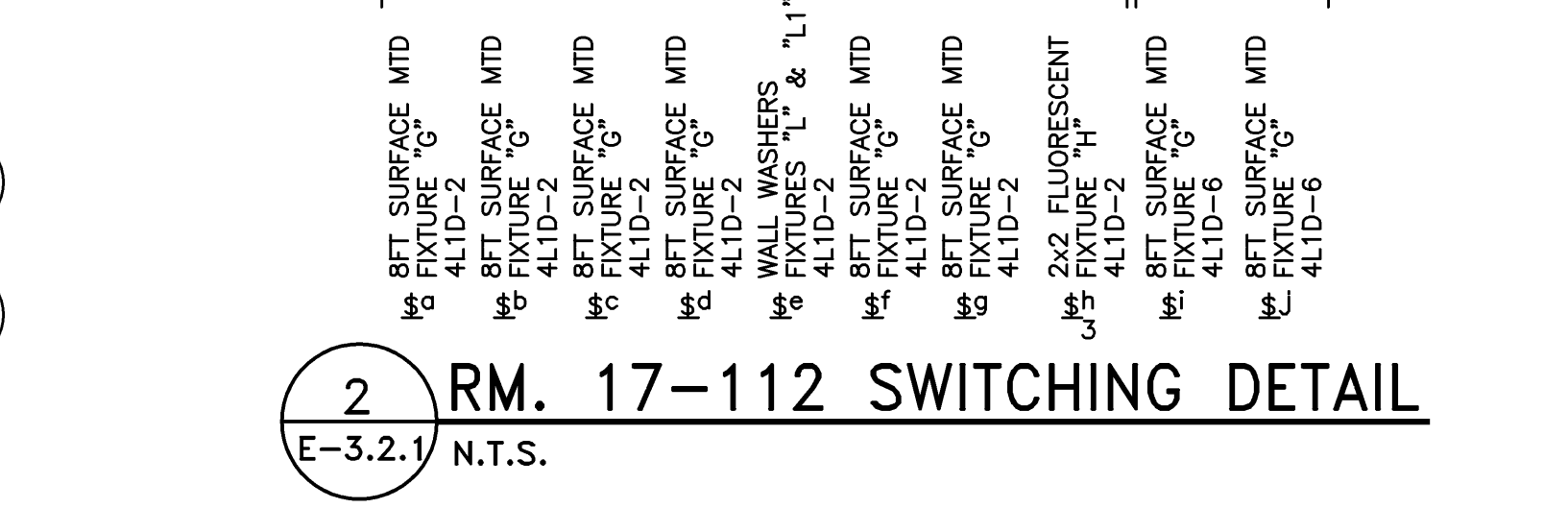
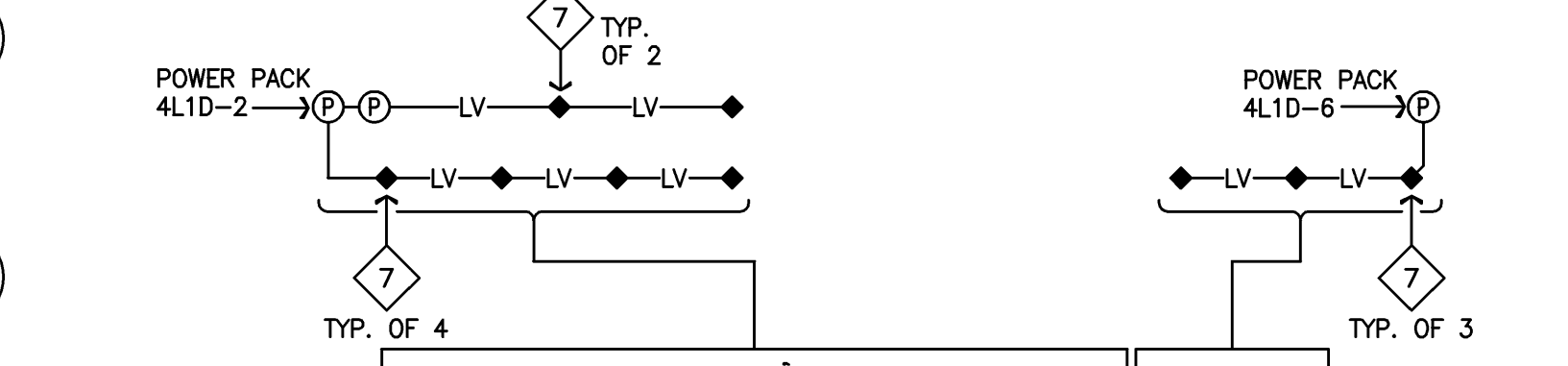
E-3.2.1
RD-3.22

GENERAL NOTES:

- G1. FIELD SET OCCUPANCY SENSOR TIME DELAY AS FOLLOWS:
 1) CLASSROOM AND CONFERENCE ROOMS: 15 MINUTES.
 2) RESTROOM: 15 MINUTES. 30 MINUTES IF INTERLOCKED WITH THE EXHAUST FAN.
 3) STORAGE ROOM, JANITOR'S CLOSETS, SINGLE STALL RESTROOM: 5 MINUTES.
 4) OFFICES: 15 MINUTES.
 5) ALL OTHER SPACES: 15 MINUTES.
 G2. NEW EQUIPMENT WORK SHOWN BOLD. EXISTING EQUIPMENT SHOWN SHADED.

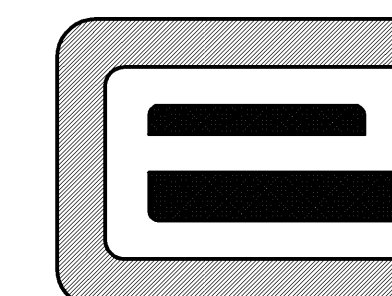
SHEET NOTES:

- 1 DELETED.
- 2 EXISTING LIGHT FIXTURES. CLEAN AND RELAMP.
- 3 SEE AREA SWITCHING DETAIL 2/E3.2.1 SEE DETAIL 2/E6.3.0 FOR ROOM 17-112 OCCUPANCY SENSOR CONTROL.
- 4 SINGLE LEVEL WALL MOUNTED OCCUPANCY SENSOR. WATTSTOPPER WI-200 OR APPROVED EQUAL.
- 5 DUAL LEVEL WALL MOUNTED OCCUPANCY SENSOR. WATTSTOPPER DT-300 OR APPROVED EQUAL.
- 6 LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER DT-355-277V OR APPROVED EQUAL. (1000 SQ FT COVERAGE)
- 7 LOW VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER DT-305-277V OR APPROVED EQUAL. (1000 SQ FT COVERAGE)
- 8 LOW VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR POWER PACK-277V. SEE DETAIL 7/E-6.0.0.
- 9 PANELBOARD 4L1D.
- 10 LIGHTING INVERTER "LI1".
- 11 PANELBOARD 4R1E.
- 12 PANELBOARD 4R1F.
- 13 SWITCH LEGS \$a \$b \$c \$d \$e \$f \$g & \$h SEE NOTE #3.
- 14 SWITCH LEGS \$i & \$j SEE NOTE #3.
- 15 NOT USED.
- 16 UP FROM RECEPTACLE IN RESTROOM. SEE SHEET E-2.2.1. CIRCUIT 4R1E-34.
- 17 DELETED.
- 18 EXHAUST FAN TO BE CONTROLLED BY EXISTING BUILDING MANAGEMENT SYSTEM (BMS).
- 19 LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR. WATT STOPPER DT-355-120V OR APPROVED EQUAL.
- 20 NOT USED.
- 21 ROUTE CORRIDOR LIGHTING CIRCUIT 4L1D-10 VIA EXISTING BUILDING MANAGEMENT SYSTEM (BMS) AS REQUIRED.
- 22 UP FROM RECEPTACLE IN RESTROOM. SEE SHEET E-2.2.1. CIRCUIT 4R1E-21.
- 23 PANELBOARD 4R1G.
- 24 REMOVE EXISTING EXTERIOR LIGHTING FIXTURE AND INSTALL NEW FIXTURE TYPE "N" IN ITS PLACE. REUSE EXISTING 120 VOLT LIGHTING CIRCUIT AND CONNECT TO EXISTING CAMPUS BLDG MANAGEMENT SYSTEM (BMS) CENTRAL CONTROL.
- 25 NEW EXTERIOR LIGHTING FIXTURE.
- 26 CIRCUIT CONTROLLED BY EXISTING BUILDING MANAGEMENT SYSTEM (BMS).
- 27 BODINE EMERGENCY BATTERY IS LOCATED IN HALLWAY ABOVE DOOR.



1 LIGHTING PLAN - BUILDING 17
E-3.2.1 1/8"=1'-0"

3 ACTIVITY AREA 17-112 SWITCHING
E-3.2.1 N.T.S.



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SHEET TITLE

**BUILDING 17
LIGHTING PLAN
DEMOLITION**

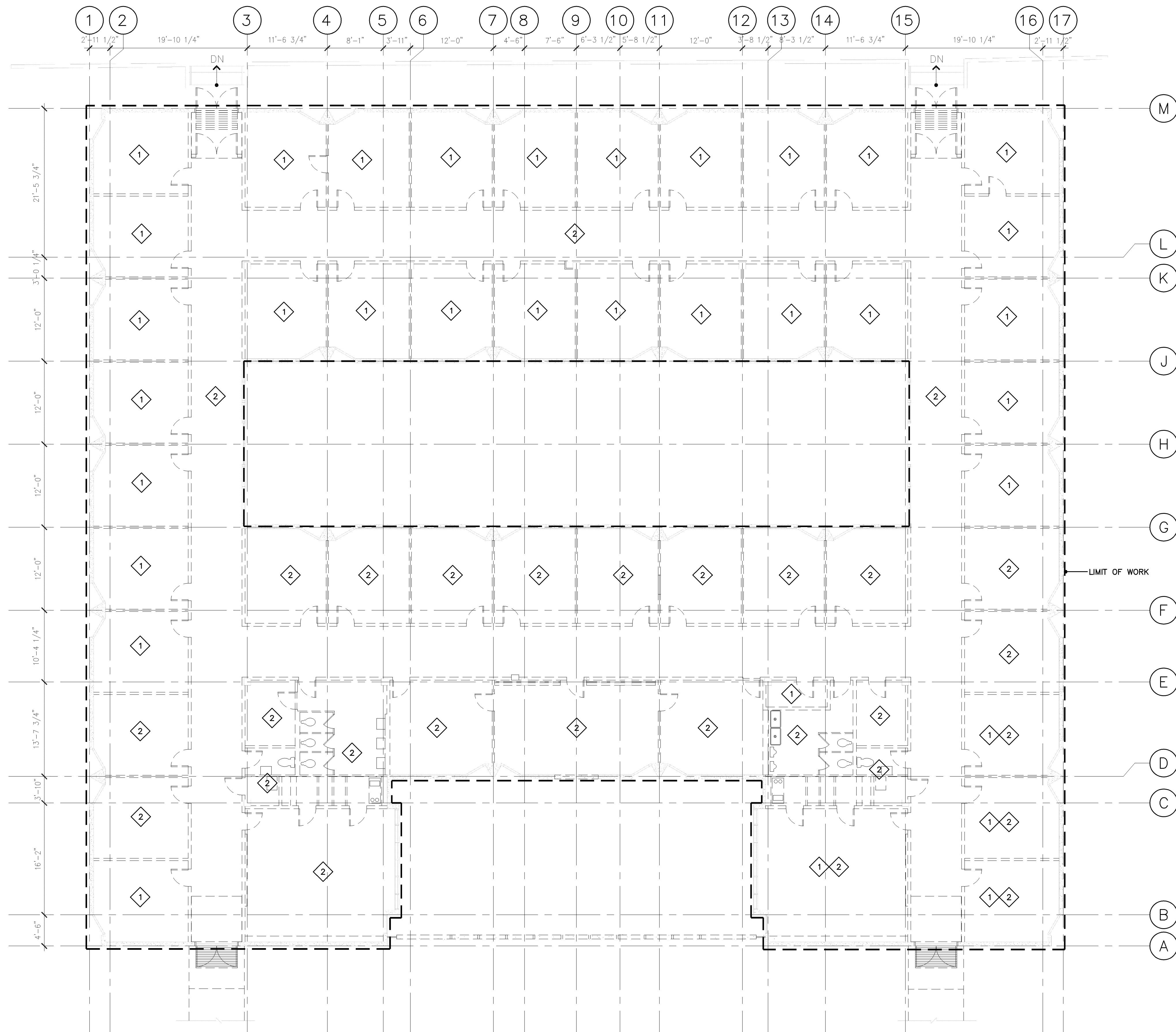
REVISIONS

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DATE AUGUST 27, 2009
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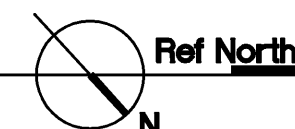
E-3.2.1D

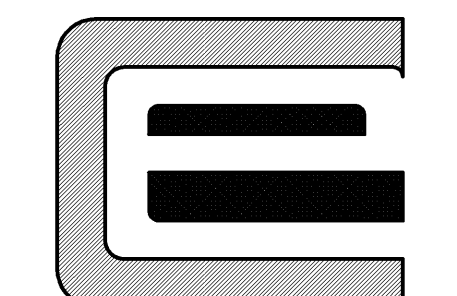


SHEET NOTES:

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- 2 REMOVE EXISTING LIGHTING FIXTURES. SAFE-OFF LIGHTING CIRCUITS AS REQUIRED. LIGHTING CIRCUITS TO BE REUSED. SEE LIGHTING PLAN E-3.2.1.

1 LIGHTING PLAN DEMOLITION – BUILDING 17
E-3.2.1D 1/8"=1'-0"





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SMCCCD 3401 CSM Drive San Mateo, CA 94402 College of San Mateo 1700 W. Hillsdale Blvd. San Mateo, CA 94402

SHEET TITLE BUILDING 17 SINGLE LINE DIAGRAM AND PANEL SCHEDULES

Table with columns: NO., DATE, DESCRIPTION. Row: 3.25.10 RECORD DOCUMENT B17

DATE AUGUST 27, 2009 DRAWN CEI CHECKED CEI SCALE NONE N&T JOB NO.: 2901

SHEET NUMBER E-5.0.0 RD-324

Table for PANEL '4R1E' (NEW) LOCATION 17-112A. Columns include DESCRIPTION, A, KVA, B, C, TRIP, CT, PHASE BUS, NEUTRAL BUS, 225A, MOUNTING, and SURFACE ENCLOSURE. Includes sub-totals and largest phase X3.

Summary table for PANEL '4R1E' with columns #A, #B, #C and rows RECEPTACLES, 100% OF FIRST 10 KVA, 50% OF REMAINDER, LIGHTS @ 125%, EQUIPMENT @ 100%, OTHER, and TOTAL.

Table for PANEL '4R1F' (NEW) SECTION 1, LOCATION 17-118. Similar structure to 4R1E, including descriptions like RECEPT., SPARE, and COUNTERTOP. Includes sub-totals and largest phase X3.

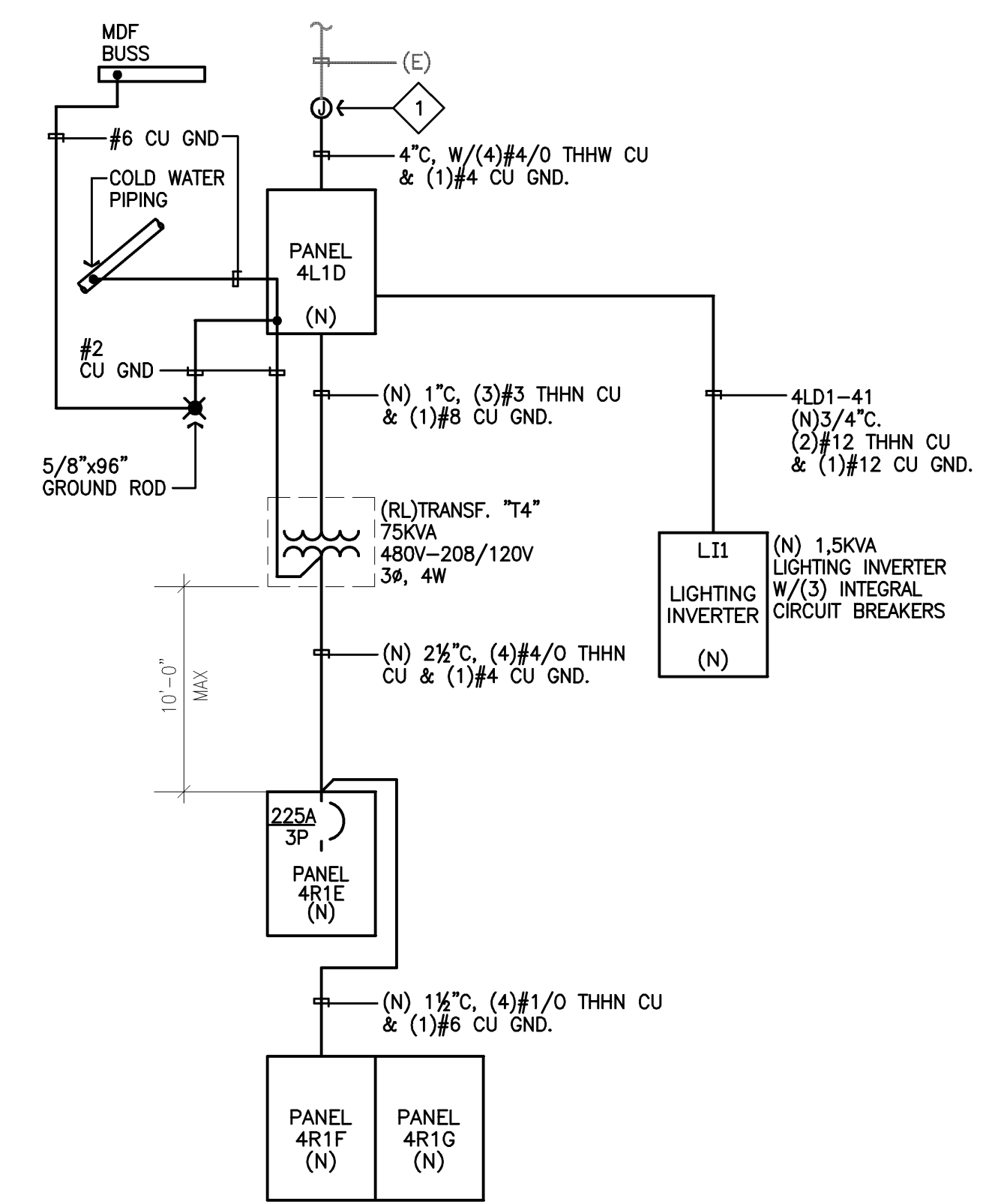
Summary table for PANEL '4R1F' with columns #A, #B, #C and rows RECEPTACLES, 100% OF FIRST 10 KVA, 50% OF REMAINDER, LIGHTS @ 125%, EQUIPMENT @ 100%, OTHER, and TOTAL.

Table for PANEL '4R1G' (NEW) SECTION 2, LOCATION 17-118. Similar structure to 4R1E, including descriptions like RECEPT., SPARE, and DOOR OPENERS. Includes sub-totals and largest phase X3.

Table for PANEL '4L1D' (NEW) LOCATION 17-112. Columns include DESCRIPTION, A, KVA, B, C, TRIP, CT, PHASE BUS, NEUTRAL BUS, 225A, MOUNTING, and SURFACE ENCLOSURE. Includes sub-totals and largest phase X3.

Summary table for PANEL '4L1D' with columns #A, #B, #C and rows RECEPTACLES, 100% OF FIRST 10 KVA, 50% OF REMAINDER, LIGHTS @ 125%, EQUIPMENT @ 100%, OTHER, and TOTAL.

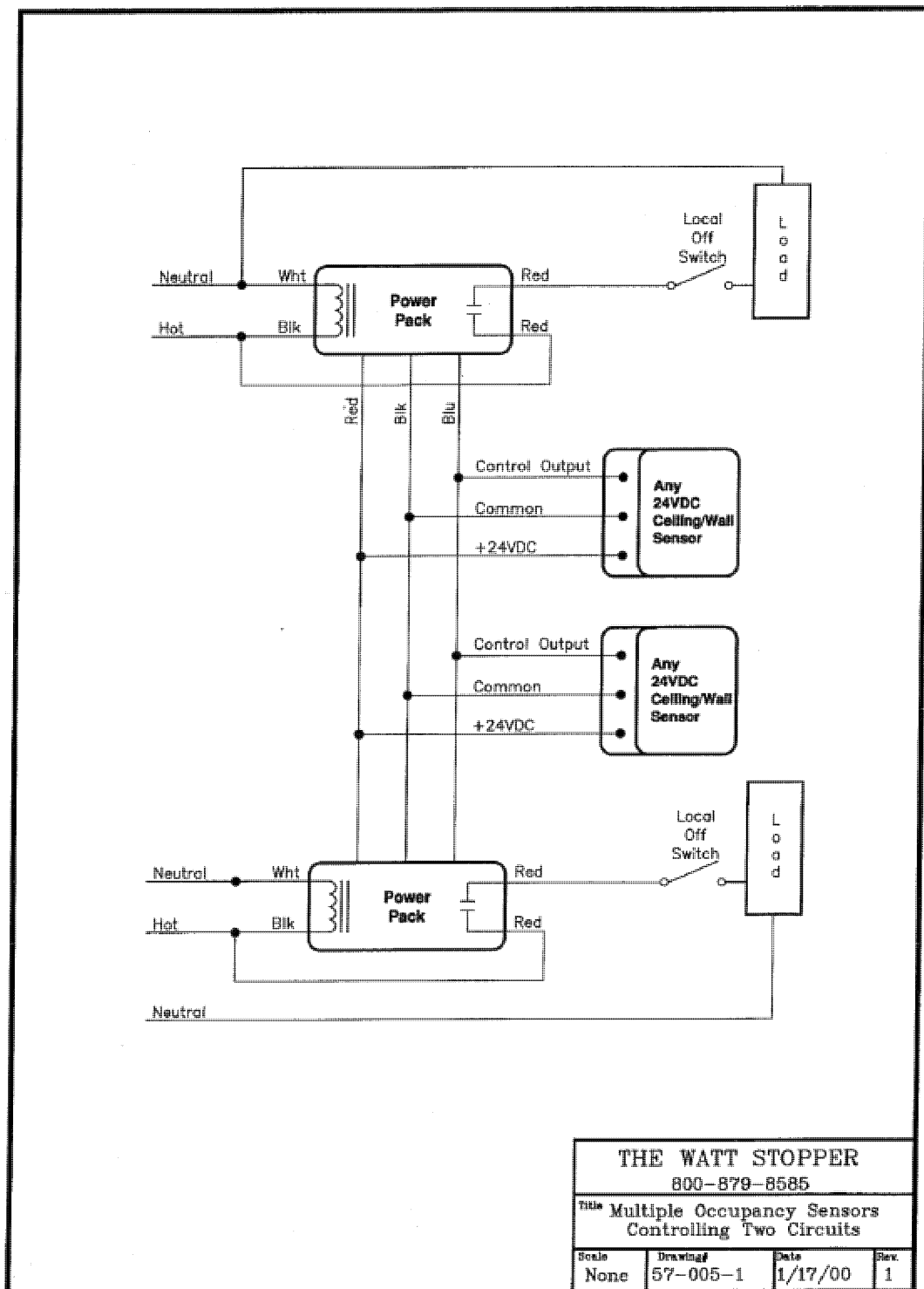
Table for LIGHTING INVERTER 'LI1' LOCATION: MECH. ROOM 17-112A. Columns include DESCRIPTION, A, KVA, B, C, TRIP, CT, PHASE BUS, NEUTRAL BUS, 20A, MOUNTING, and SURFACE ENCLOSURE.



1 SINGLE LINE DIAGRAM (BLDG 17) N.T.S.

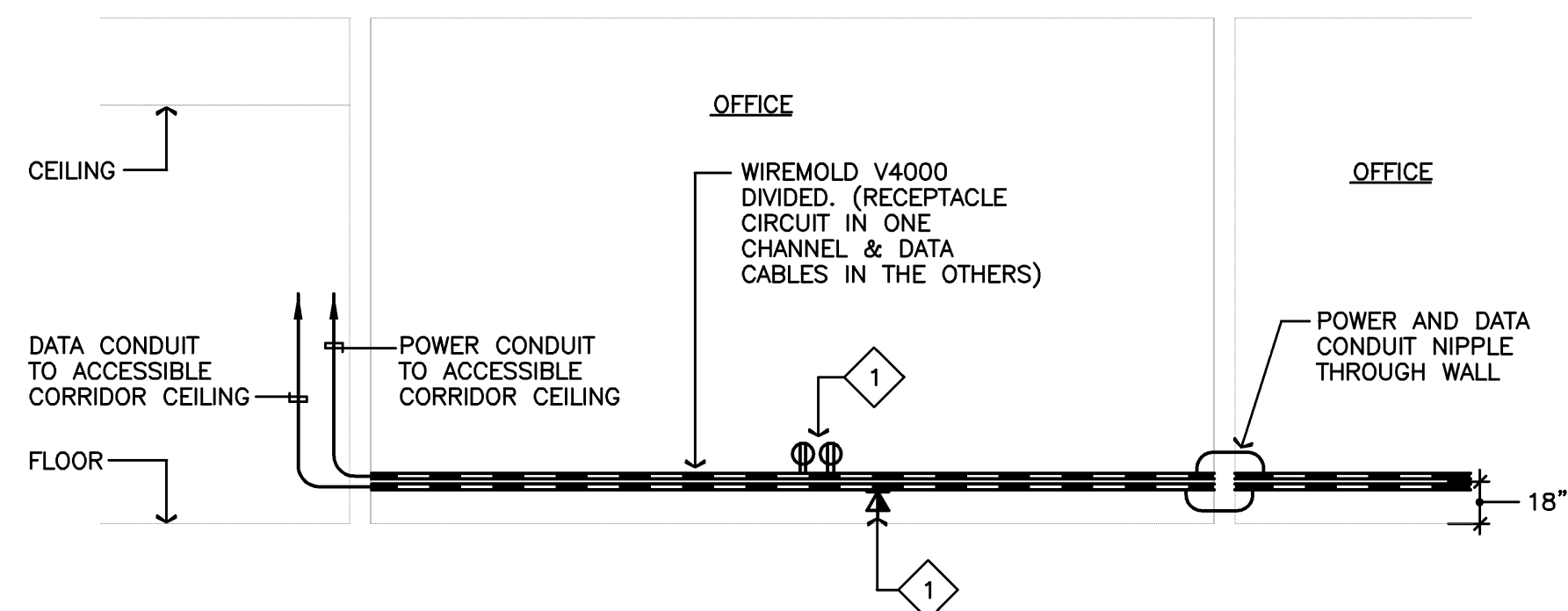
SHEET NOTE: INTERCEPT EXISTING FEEDER AND EXTEND AS REQUIRED TO NEW PANELBOARD LOCATION.

6 ACAMS LAYOUT RM 17-112C
1/4"=1'-0"



THE WATT STOPPER			
800-879-8585			
This Multiple Occupancy Sensors Controlling Two Circuits			
None	57-005-1	1/17/00	1

7 OCCUPANCY SENSOR SCHEMATIC
N.T.S.

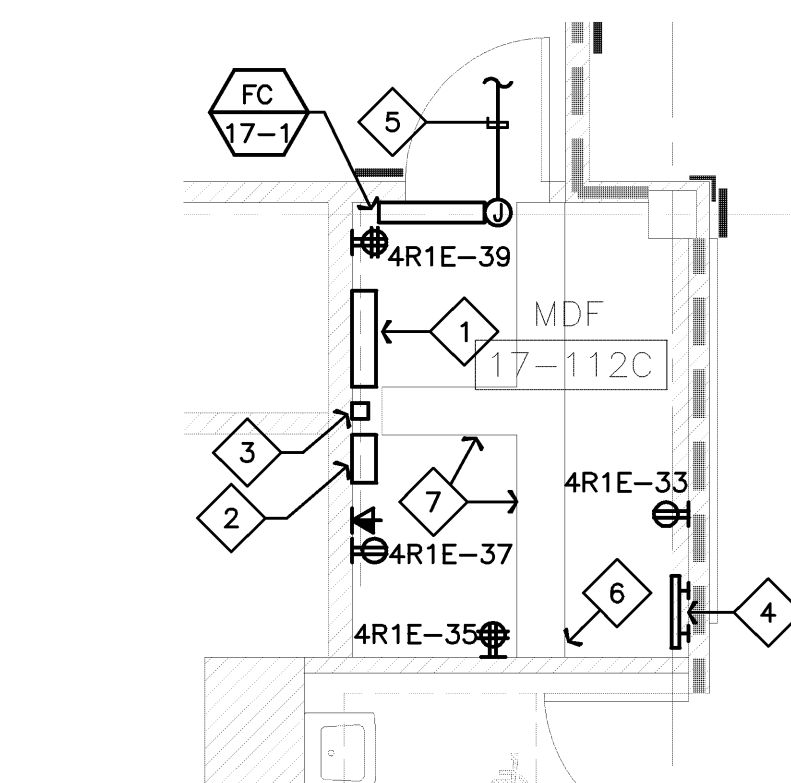


8 OFFICE RECEPTACLE LOCATION
N.T.S.

- DETAIL NOTE:
1 VERIFY RECEPTACLE AND DATA OUTLET LOCATIONS ON POWER PLANS.

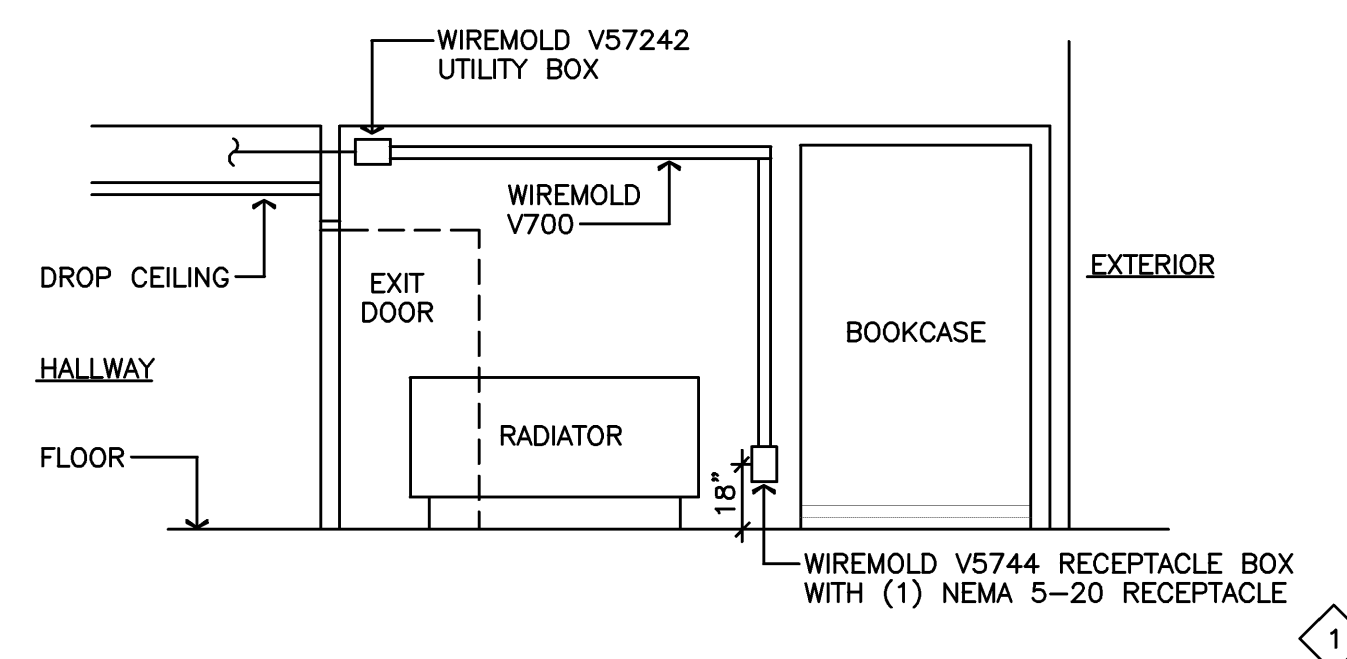
4 OFFICE RECEPTACLE LOCATION
N.T.S.

- DETAIL NOTE:
1 VERIFY DUPLEX RECEPTACLE LOCATION IN EACH ROOM.

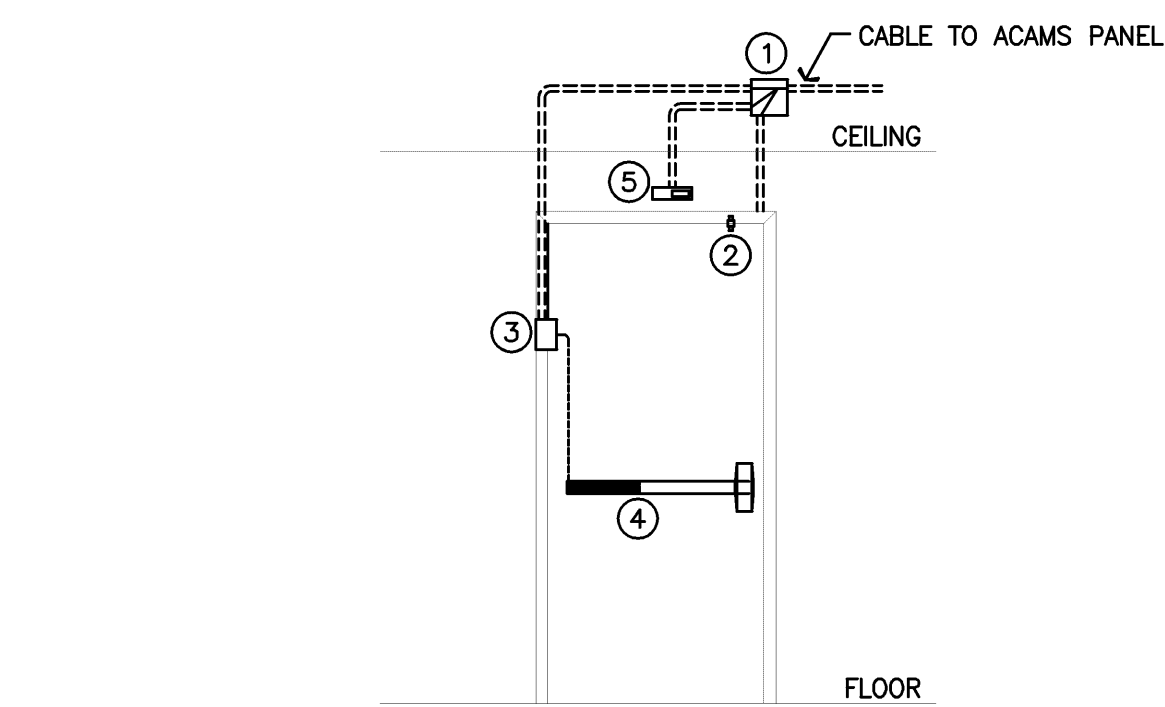
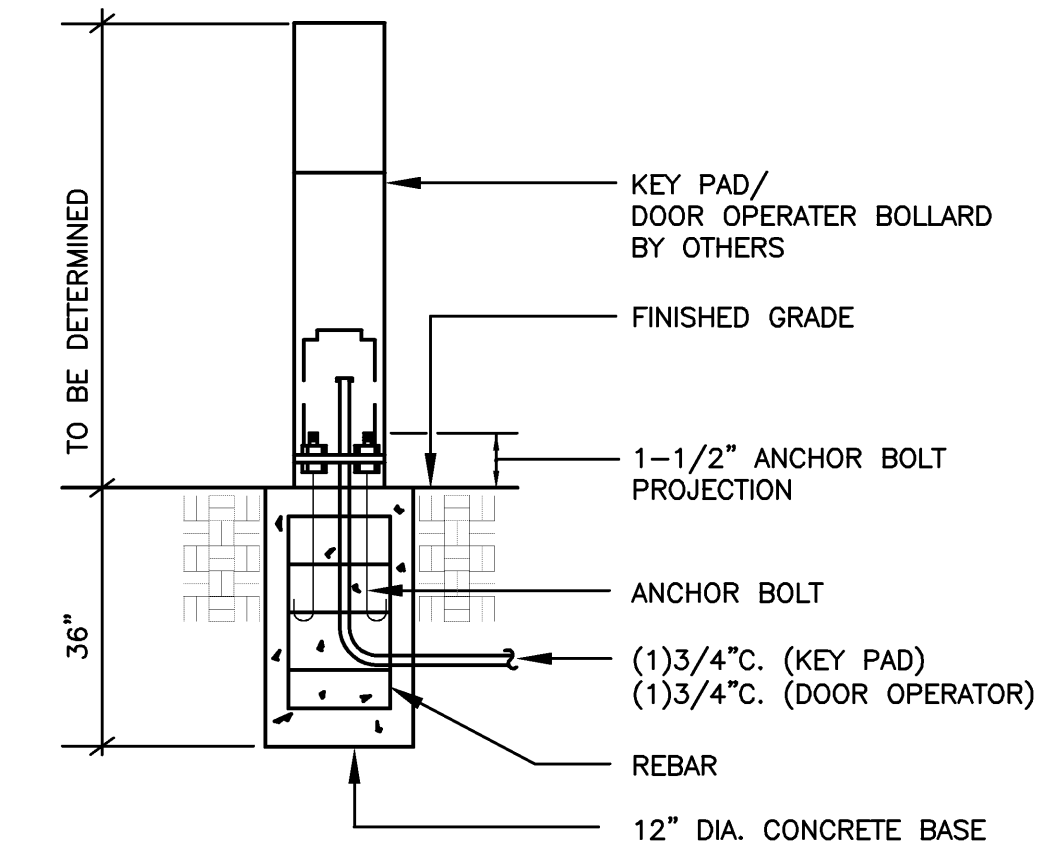


5 BLDG 17 - MDF POWER PLAN
1/4"=1'-0"

- DETAIL 5 & 6 NOTES:
- 1 24"x24"x6" JUNCTION BOX WITH SCREW COVER. A CAM PANEL. SEE DETAIL 6/E-6.0.0.
 - 2 12"x12"x6" JUNCTION BOX WITH SCREW COVER. A CAM PANEL. SEE DETAIL 6/E-6.0.0.
 - 3 4"x4"x48" WIREWAY. WITH SCREW COVER. SEE DETAIL 6/E-6.0.0.
 - 4 GROUND BUS. SEE DETAIL 1/E-6.0.0.
 - 5 FAN COIL UNIT FC-17-1. ROUTE 3/4"C.O. (CONTROL) UP TO CONDENSING UNIT CU-17-1 ON ROOF. SEE UNIT WIRING DIAGRAM ON MECH. SHEET AC6.01
 - 6 SEE DETAIL 3/E-6.1.0, 4/E-6.1.0 & 5/E-6.1.0 FOR EQUIPMENT RACK ANCHORAGE DETAILS.
 - 7 12" WIDE LADDER RACK ABOVE EQUIPMENT.



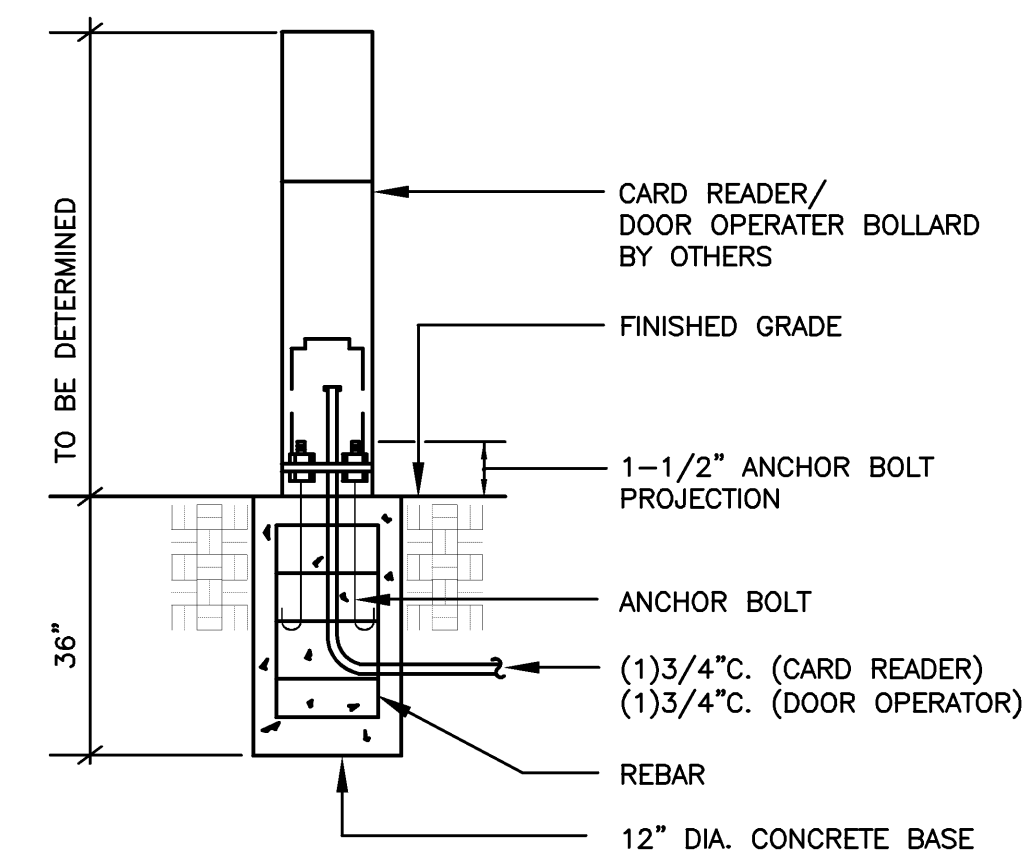
1 KEY PAD/DOOR OPERATOR BOLLARD
N.T.S.



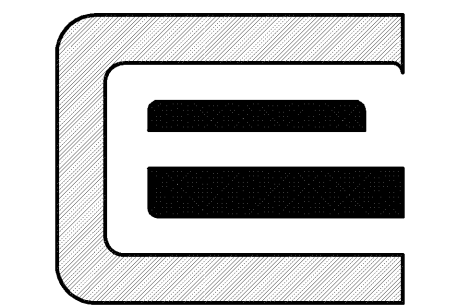
- 1 PROVIDE JUNCTION BOX 10' A.F.F.
- 2 STUB CONDUIT INTO HEADER OF DOOR FRAME FOR DOOR CONTACT. INSTALL DOOR CONTACT 6" FROM HANDLE SIDE EDGE.
- 3 STUB CONDUIT DOWN DOOR FRAME FOR ELECTRIC POWER TRANSFER.
- 4 ELECTRIFIED PANIC BAR.
- 5 REQUEST TO EXIT MOTION SENSOR.

THIS DOOR IS UNLOCKED DURING SCHOOL HOURS AND THE DOOR CONTACTS ALARM FUNCTION IS DISABLED. AFTER HOURS THE DOOR IS LOCKED FROM THE OUTSIDE AND THE DOOR CONTACT IS ENABLED. THE REQUEST TO EXIT SHALL SERVE TO GRANT EGRESS AFTER HOURS.

2 SCHEDULE UNLOCK DOOR
N.T.S.



3 CARD READER/DOOR OPERATOR BOLLARD
N.T.S.



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DETAILS

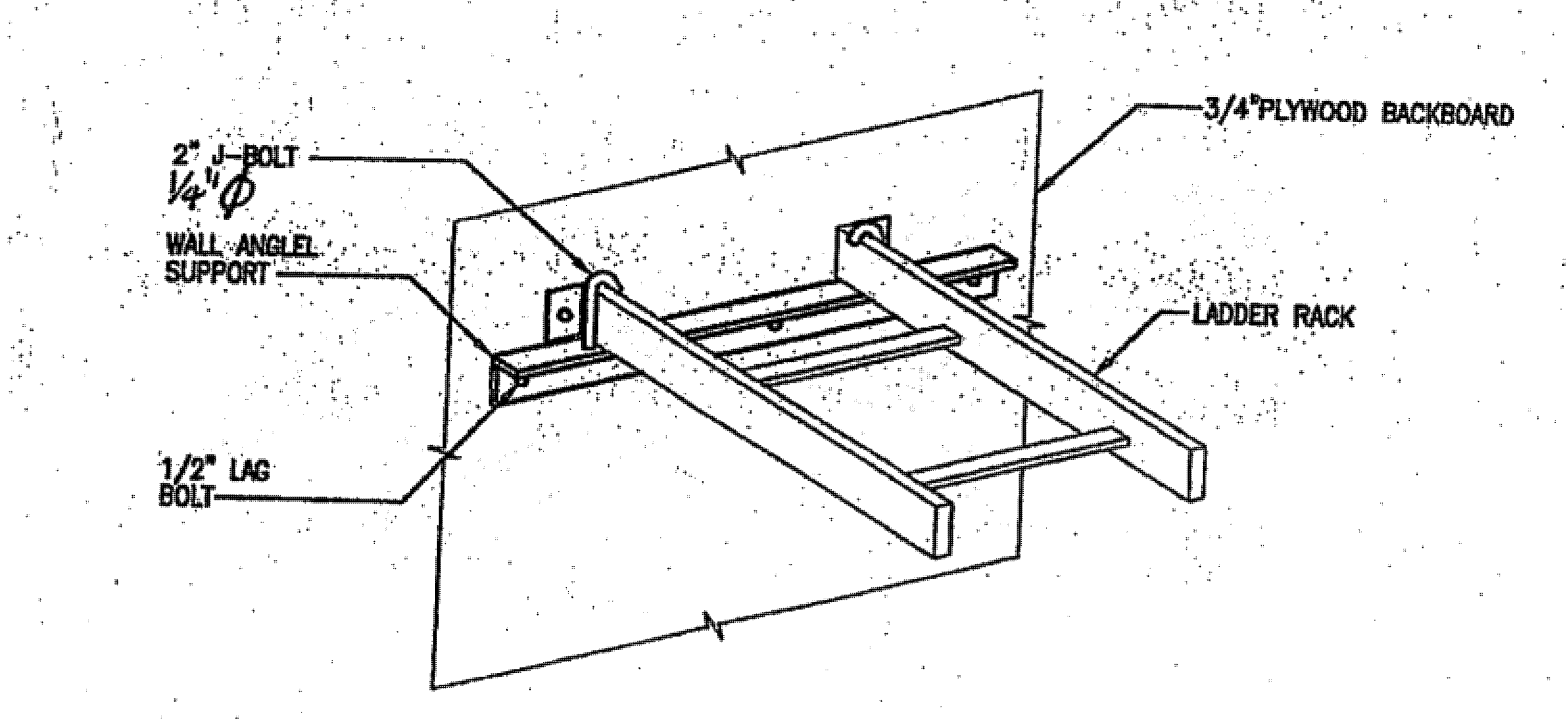
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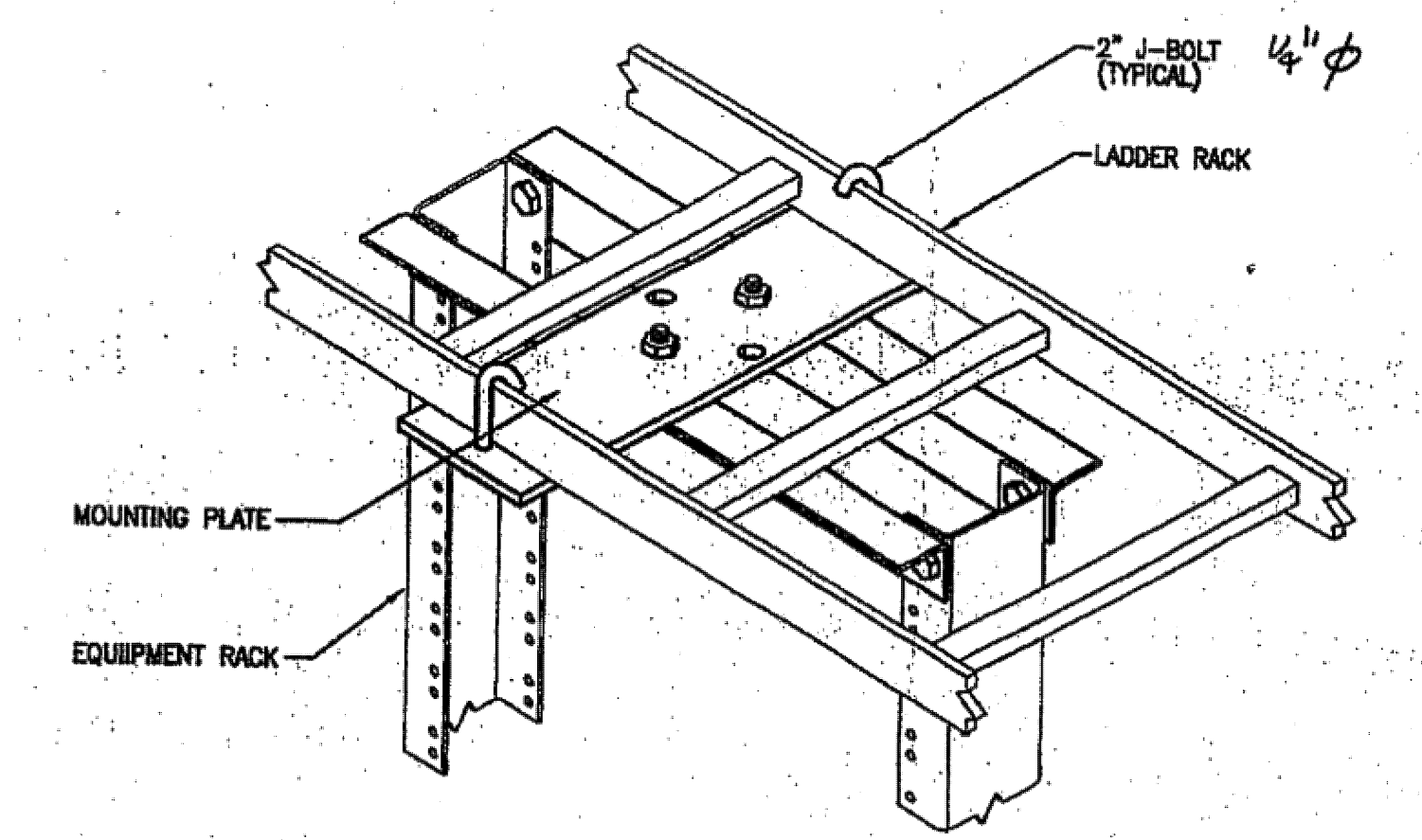
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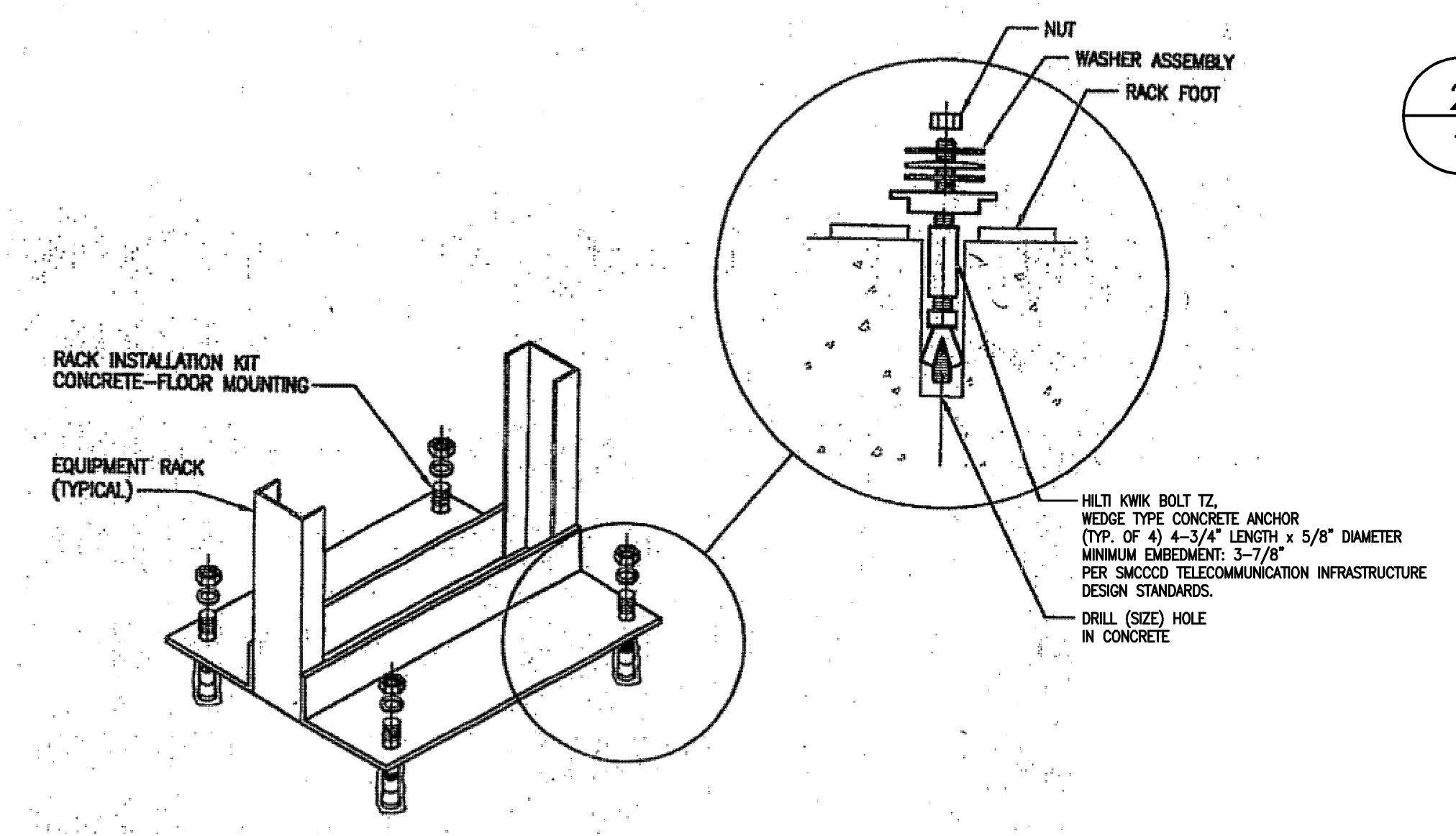
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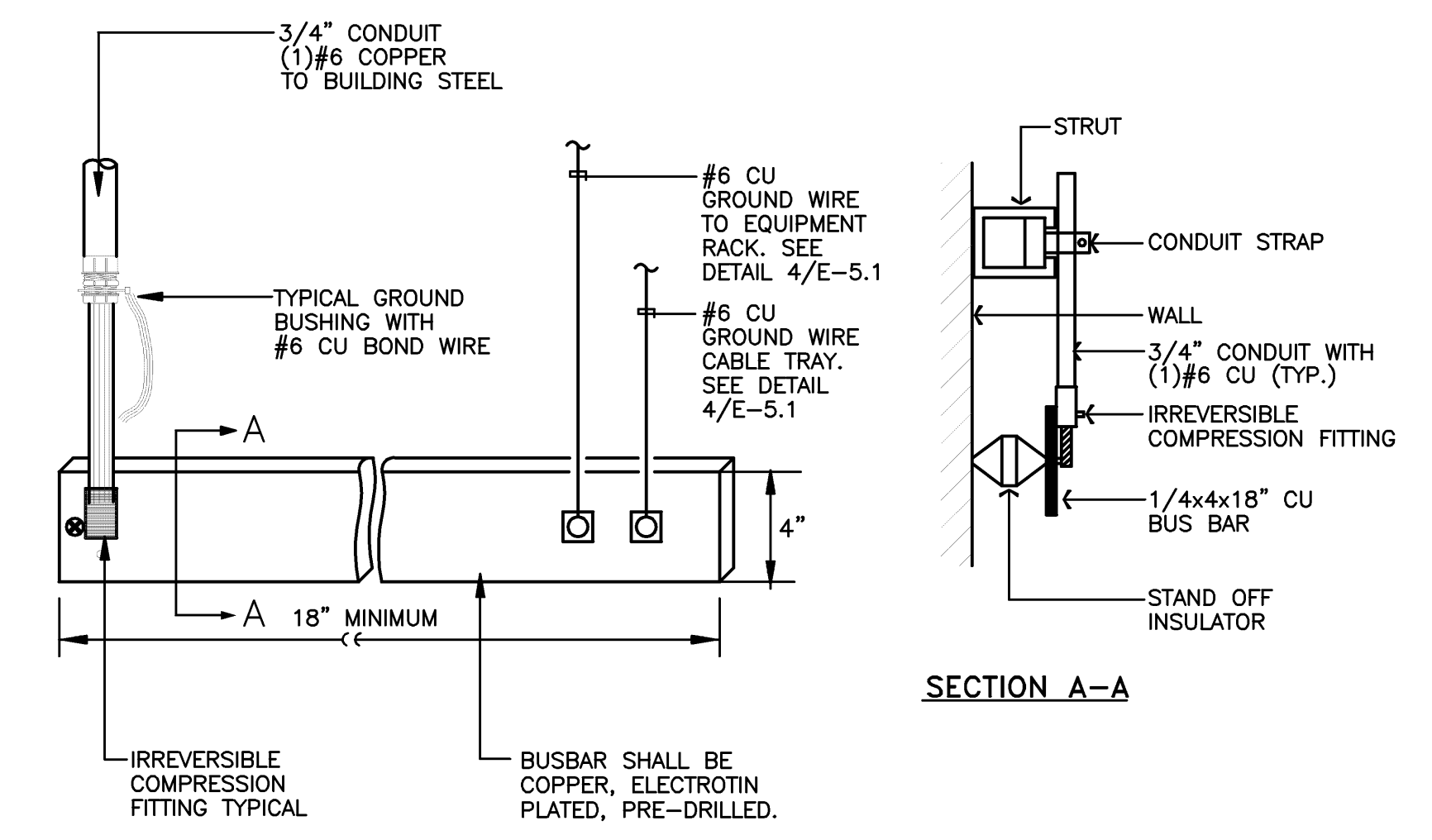
3 LADDER RACK WALL MOUNTING DETAIL
- N.T.S.



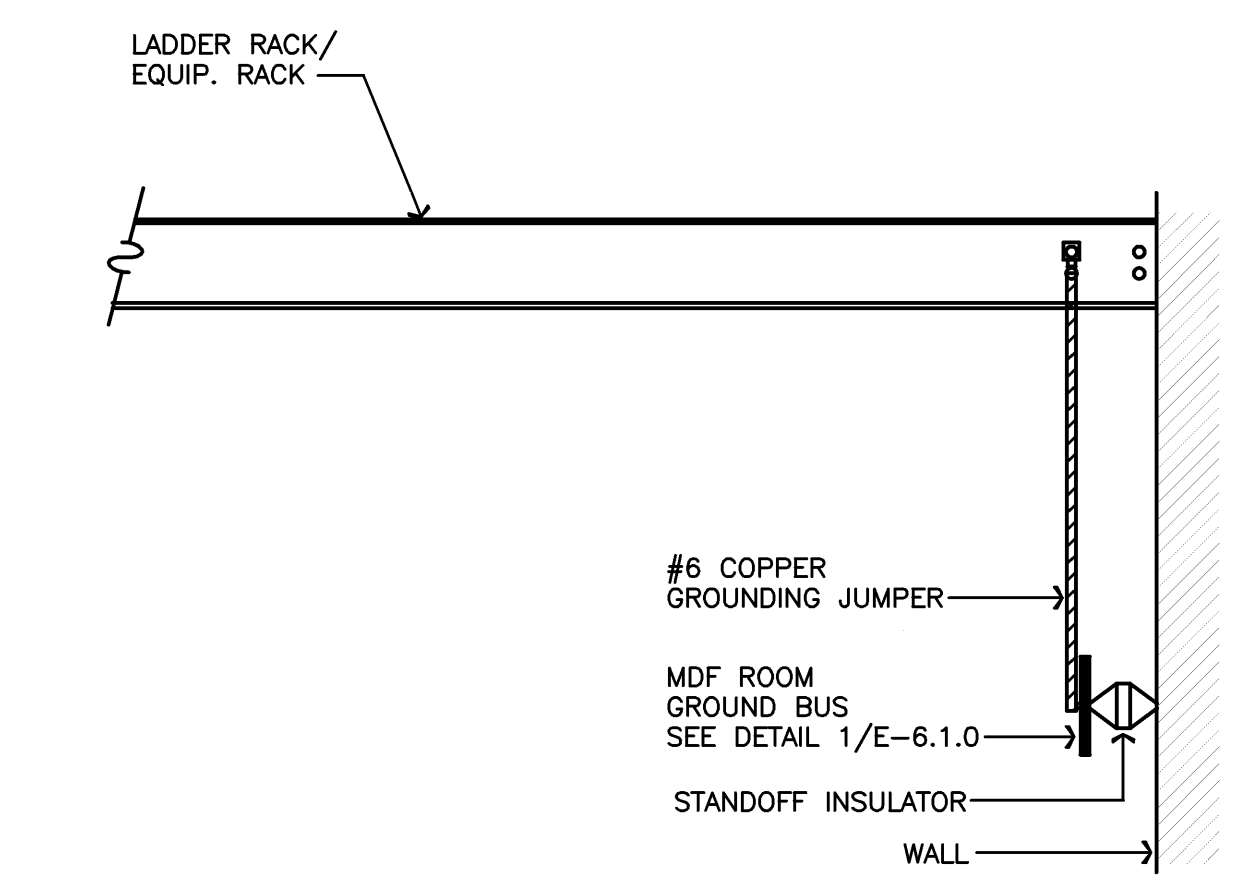
4 EQUIPMENT RACK TO LADDER RACK MOUNTING DETAIL
- N.T.S.



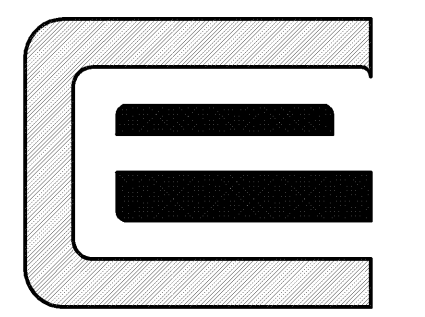
5 EQUIPMENT RACK ANCHORAGE
- N.T.S.



1 MDF GROUND BUS DETAIL
- N.T.S.



2 LADDER RACK / EQUIPMENT RACK GROUNDING DETAIL
- N.T.S.



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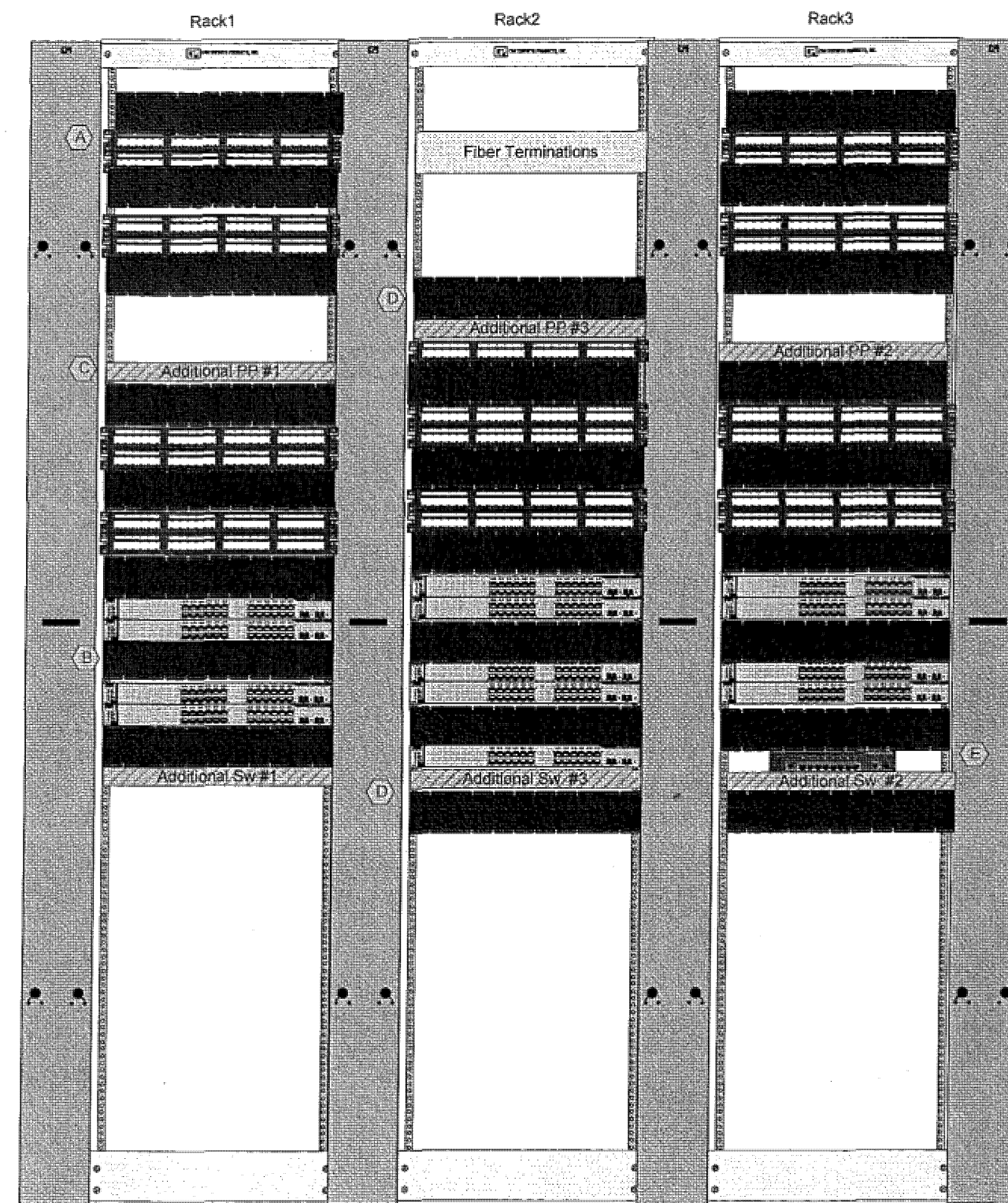
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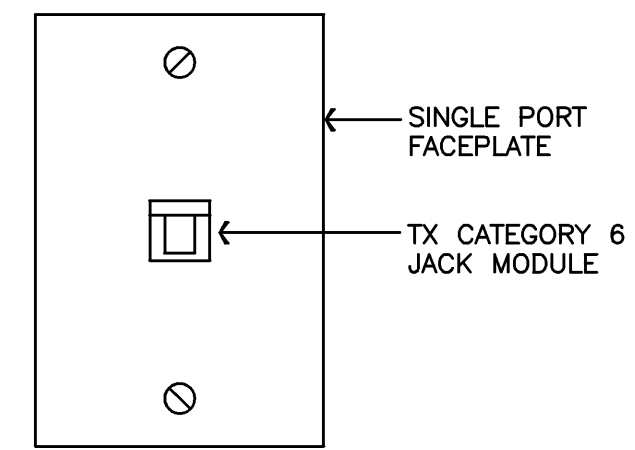
SHEET NUMBER
E-6.10

Rack Layout for BLDG 1E. Assuming 13-24port patch panels

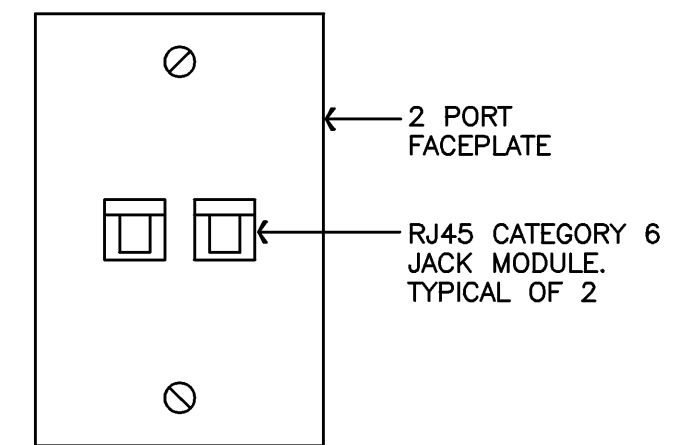
- A - Twisted Pair terminations. 100 pairs on Rack 1, the other 100 on Rack3
- B - Contractor needs to supply horizontal cable managers for switches as well as patch panels.
- C - If more than 13 patch panels are needed, then added above starting Rack1 and then Rack 3.
- D - If 2 patch panels are added to any rack then additional horizontal cable manger will need to be provided.
- E - 8 port Switch for ACAMS Panel and Security Camera



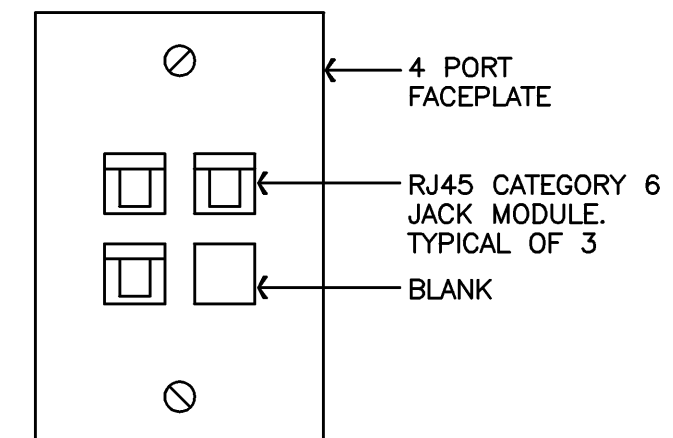
5 MDF RACK ELEVATION (FRONT)
- N.T.S.



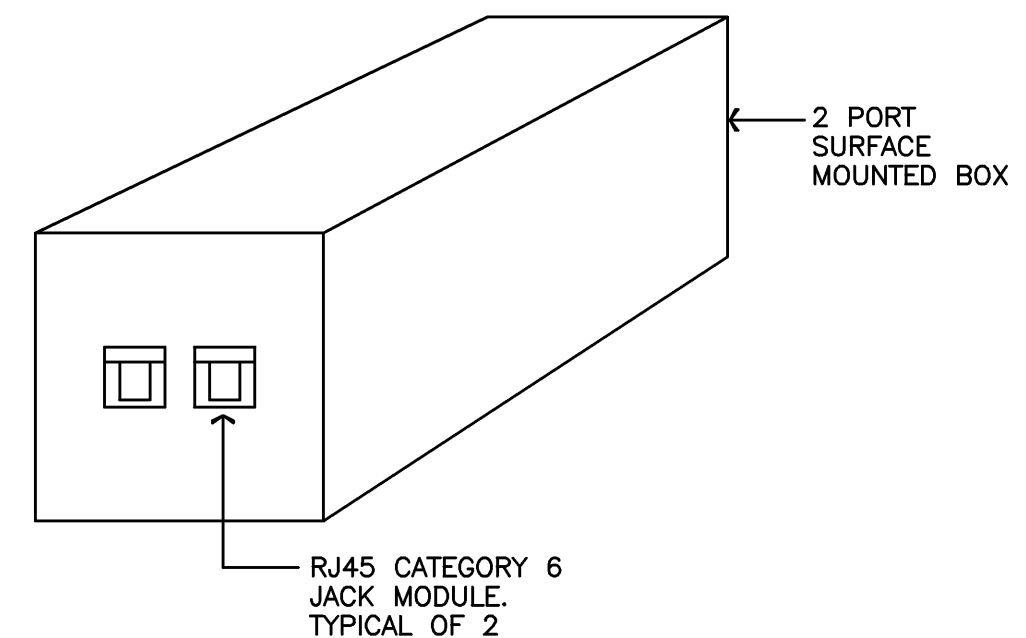
1 SINGLE JACK WALL TELEPHONE OUTLETS (▽)
- N.T.S.



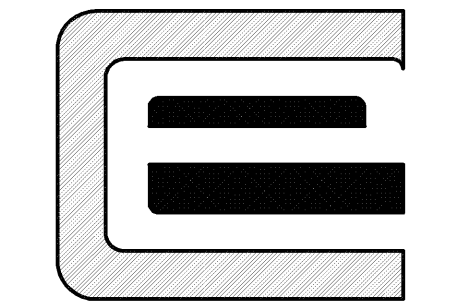
2 DOUBLE JACK WORK AREA OUTLETS (▽)
- N.T.S.



3 TRIPLE JACK WORK AREA OUTLETS (▽)
- N.T.S.



4 WIRELESS ACCESS POINT (WAP) ABOVE CEILING (▽)
- N.T.S.



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COLLEGE OF
SAN MATEO
BUILDING 12 AND 17
MODERNIZATION

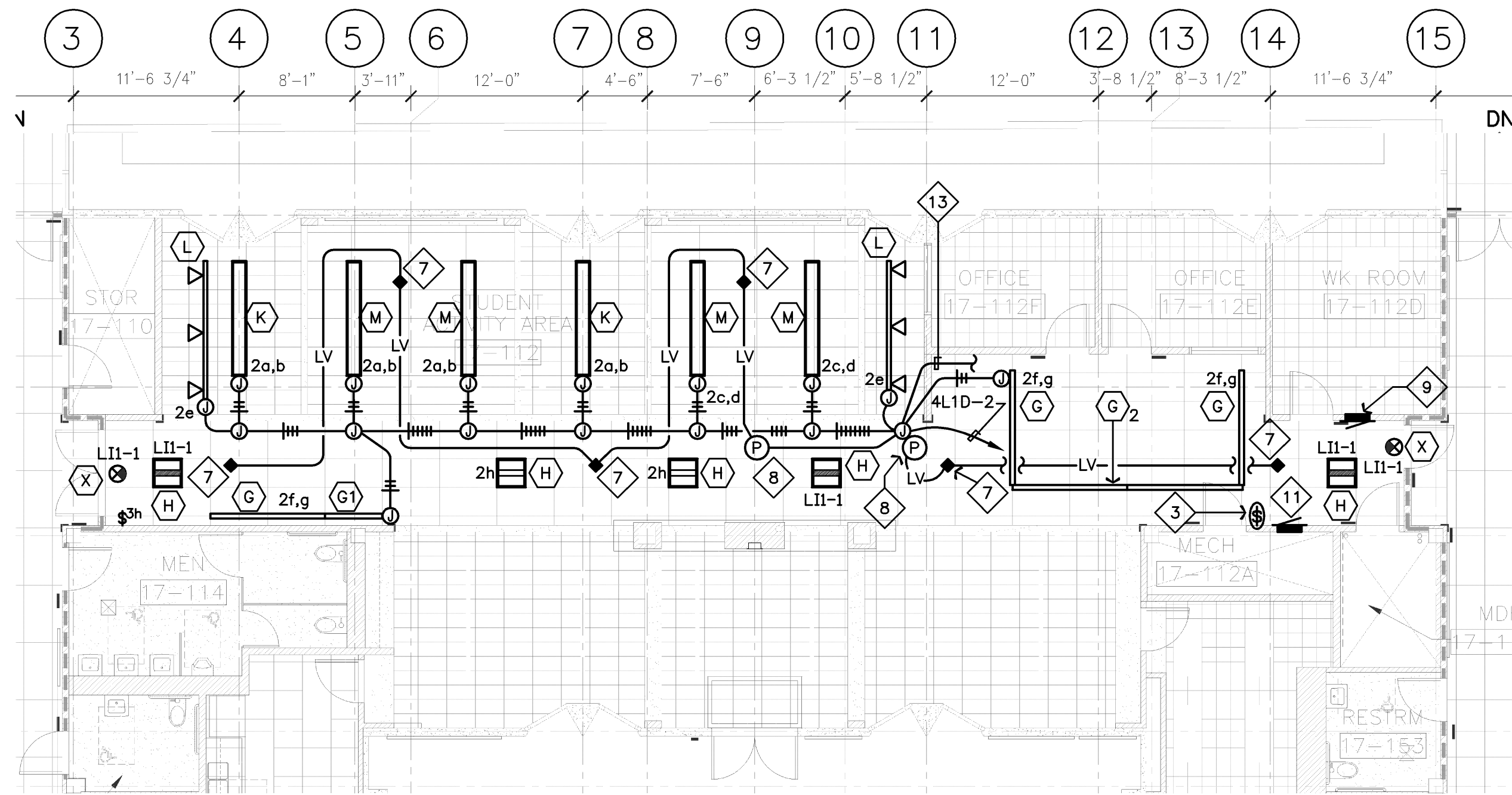
SMCCCD
3401 CSM Drive
San Mateo, CA 94402
College of San Mateo
1700 W. Hillsdale Blvd.
San Mateo, CA 94402

SHEET TITLE
DETAILS

REVISIONS		
NO.	DATE	DESCRIPTION
	8/3/10	RECORD DOCUMENT

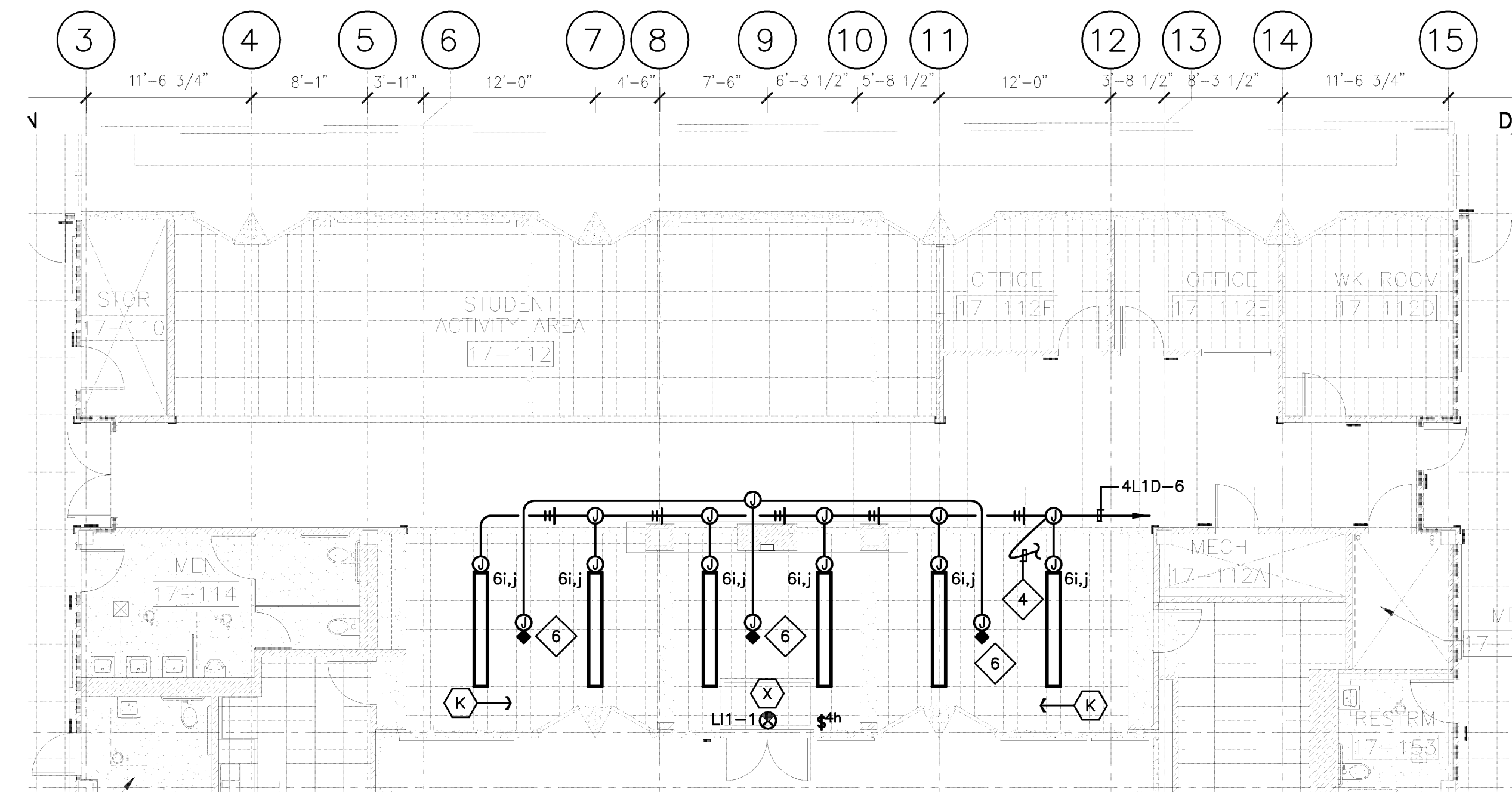
DATE AUGUST 27, 2009
DRAWN CEI
CHECKED CEI
SCALE AS NOTED
N&T JOB NO.: 2901

SHEET NUMBER
E-6.2.0



GENERAL NOTES:

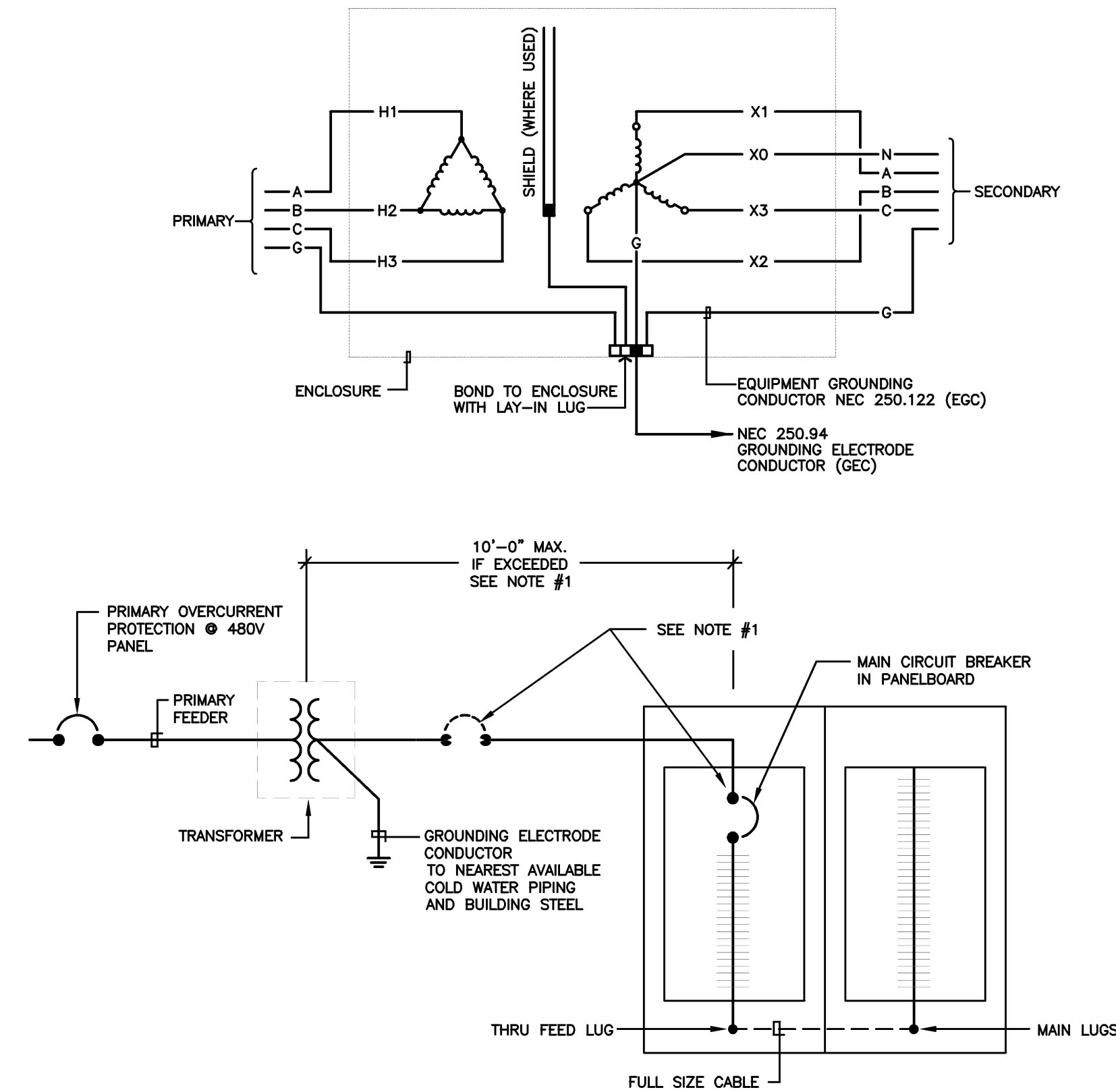
G1. OCCUPANCY SENSORS (◇) IN THIS AREA CONTROL LIGHT SWITCHES REFER TO SHEET E-3.2.1. FOR ADDITIONAL SHEET NOTES (X). REFER TO DETAILS 2/E-3.2.1 AND 3/E-3.2.1 FOR SWITCHING DETAILS.



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2 RM 17-112 OCCUPANCY SENSOR CONTROL
1/8"=1'-0"



TRANSFORMER FEEDING BRANCH CIRCUIT PANELBOARD(S)

1. IF LENGTH OF FEEDER EXCEEDS 10'-0" PROVIDE OVERCURRENT PROTECTION AT SECONDARY SIDE OF TRANSFORMER AND MAIN LUGS ONLY IN PANELBOARD. THE LENGTH OF THE FEEDER MAY BE 25'-0" LONG FOR INDUSTRIAL INSTALLATIONS.

1 TRANSFORMER CONNECTION DETAIL (K13)
- N.T.S.

BRANCH CKT LENGTHS FOR VOLTAGE DROP

LOAD	#12 CU		#10 CU		#8 CU	
	3%	5%	3%	5%	3%	5%
10A	100FT	160FT	160FT	260FT	250FT	415FT
12A	80FT	140FT	130FT	220FT	210FT	345FT
14A	70FT	120FT	110FT	185FT	180FT	295FT
16A	60FT	100FT	100FT	160FT	155FT	260FT

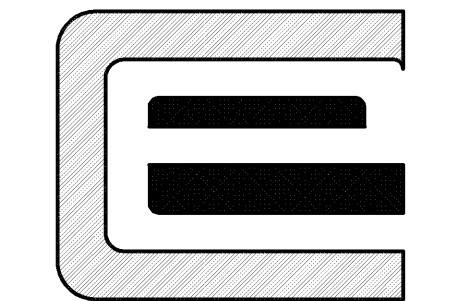
VOLTAGE DROP CALCULATION FOR 120V BRANCH CIRCUITS.

LOAD	#12 CU		#10 CU		#8 CU	
	3%	5%	3%	5%	3%	5%
10A	271FT	452FT	432FT	720FT	648FT	1080FT
12A	225FT	376FT	357FT	597FT	538FT	898FT
14A	191FT	318FT	305FT	510FT	460FT	770FT
16A	168FT	277FT	265FT	443FT	403FT	670FT

VOLTAGE DROP CALCULATION FOR 277V BRANCH CIRCUITS.

HOMERUN SCHEDULE (OVERSIZED NEUTRAL)				HOMERUN SCHEDULE			
NO. OF CURRENT CARRYING CONDUCTORS	PHASE & NEUTRAL CONDUCTOR WIRE SIZE	GROUND WIRE SIZE	MIN. CONDUIT SIZE	NO. OF CURRENT CARRYING CONDUCTORS	PHASE & NEUTRAL CONDUCTOR WIRE SIZE	GROUND WIRE SIZE	MIN. CONDUIT SIZE
1 TO 6	#12 & #10N	#12	3/4" C	1 TO 6	#12 & #12N	#12	3/4" C
7 TO 9	#12 & #10N	#12	3/4" C	7 TO 9	#12 & #12N	#12	3/4" C
10 TO 15	#10 & #8N	#10	1" C	10 TO 15	#10 & #10N	#10	1" C
16 TO 20	#10 & #8N	#10	1 1/4" C	16 TO 20	#10 & #10N	#10	1 1/4" C

NOTE 1: PROVIDE A MINIMUM OF 1 NEUTRAL FOR A MAXIMUM OF 3 SINGLE PHASE HOT CONDUCTORS, U.O.N. ON THE DRAWINGS.
NOTE 2: PROVIDE 1 GROUND WIRE PER HOMERUN
NOTE 3: CURRENT CARRYING CONDUCTORS INCLUDES THE NEUTRAL
NOTE 4: FURNISH AND INSTALL THHN CU CONDUCTORS IN ALL HOMERUNS
NOTE 5: PROVIDE OVERSIZED NEUTRAL TO OFFICES, ELECTRIFIED PARTITIONS, COMPUTERS & DATA/TELECO EQUIPMENT.



CUPERTINO ELECTRIC

1740 CESAR CHAVEZ STREET
SAN FRANCISCO, CA 94124
(415)970-3400
C-10 LIC.NO. 174637

THESE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED BY CUPERTINO ELECTRIC, INC. FOR THEIR EXCLUSIVE USE IN ACCORD WITH SEC. 6737.4 OF THE PROFESSIONAL ENGINEERS ACT OF THE STATE OF CALIFORNIA.

IDENTIFICATION STAMP

APPLICATION NUMBER 01-110537

AC _____ FLS _____ SS _____

DATE _____

COLLEGE OF SAN MATEO

BUILDING 12 AND 17 MODERNIZATION

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