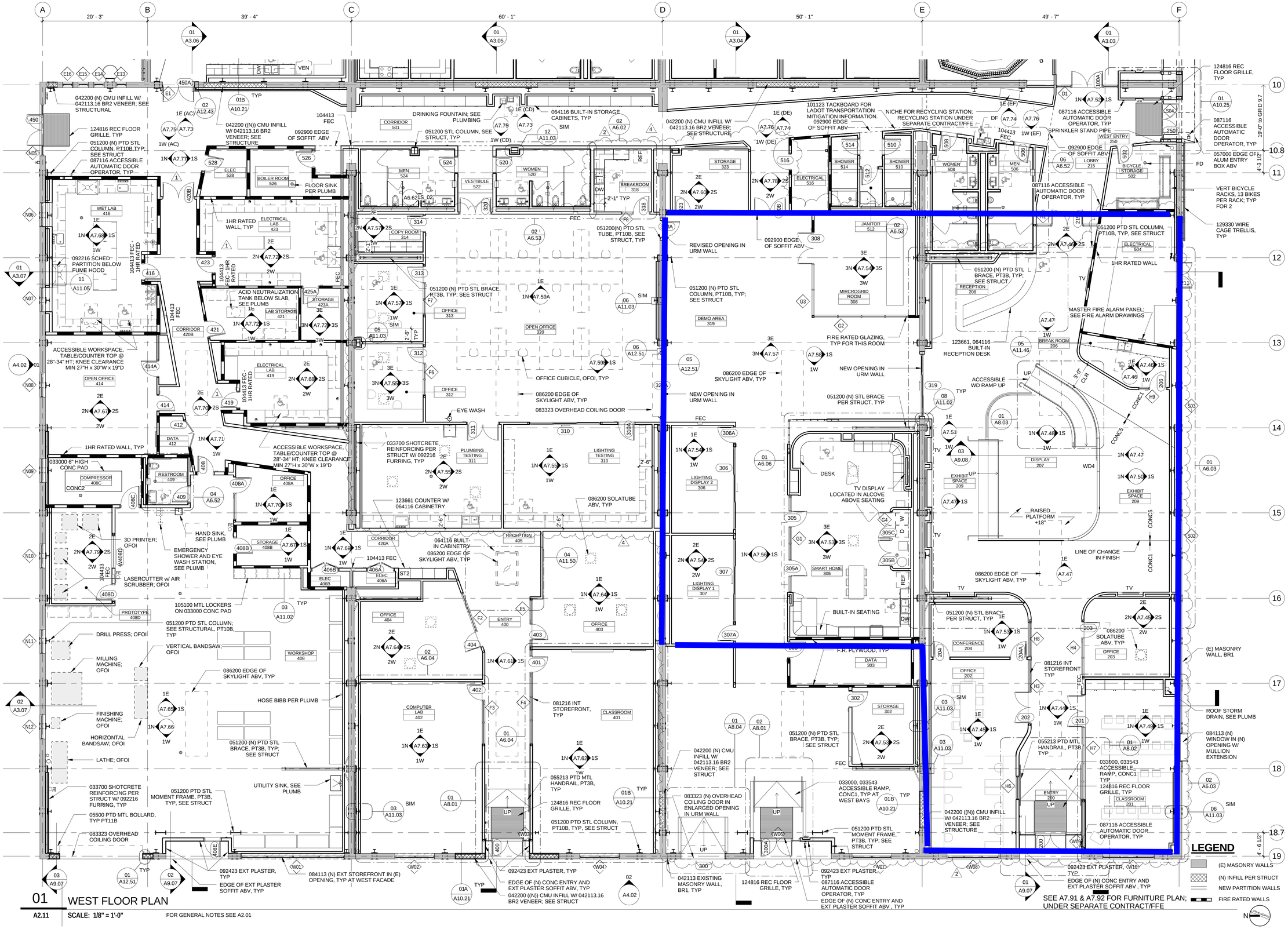


01 WEST FLOOR PLAN

A2.11 SCALE: 1/8" = 1'-0"

FOR GENERAL NOTES SEE A2.01


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**LA KRETZ INNOVATION CAMPUS**

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Work Order #:E1907574
Plan File #:G906
EDA Project No. 07 01 06845

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Drawn by:

Date issued: JULY 23, 2014

Project Number: 13-002

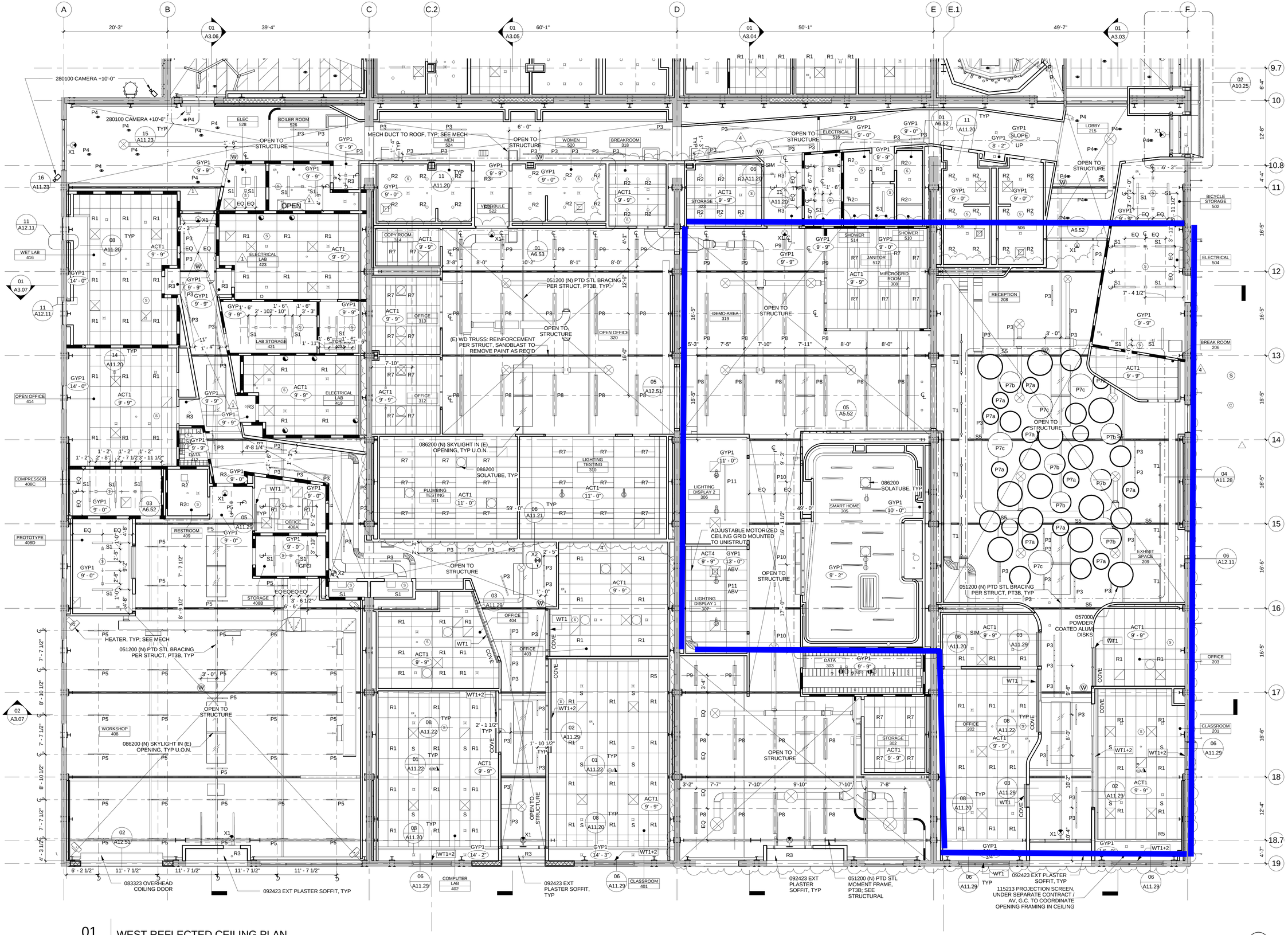
Sheet Title:

FLOOR PLAN - WEST

Sheet Number:

A2.11

7/23/2014 4:47:00 PM




## 01 WEST REFLECTED CEILING PLAN

A5.11 SCALE: 1/8" = 1'-0"

FOR GENERAL NOTES & LEGEND SEE A5.01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Date issued: JULY 23, 2014

Project Number: 13-002

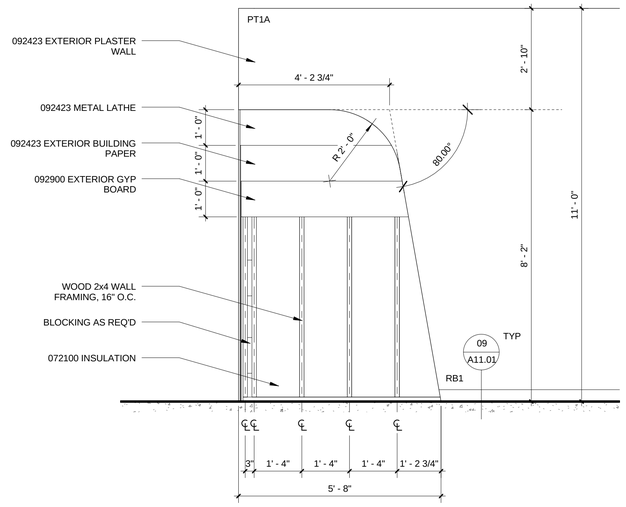
Sheet Title:

REFLECTED CEILING PLAN - WEST

Sheet Number:

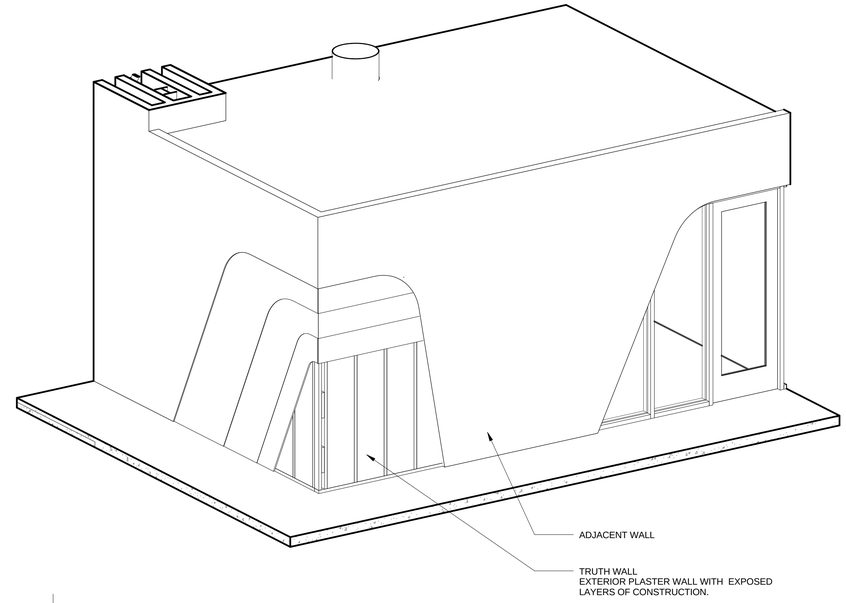
# A5.11

7/23/2014 8:31:43 PM



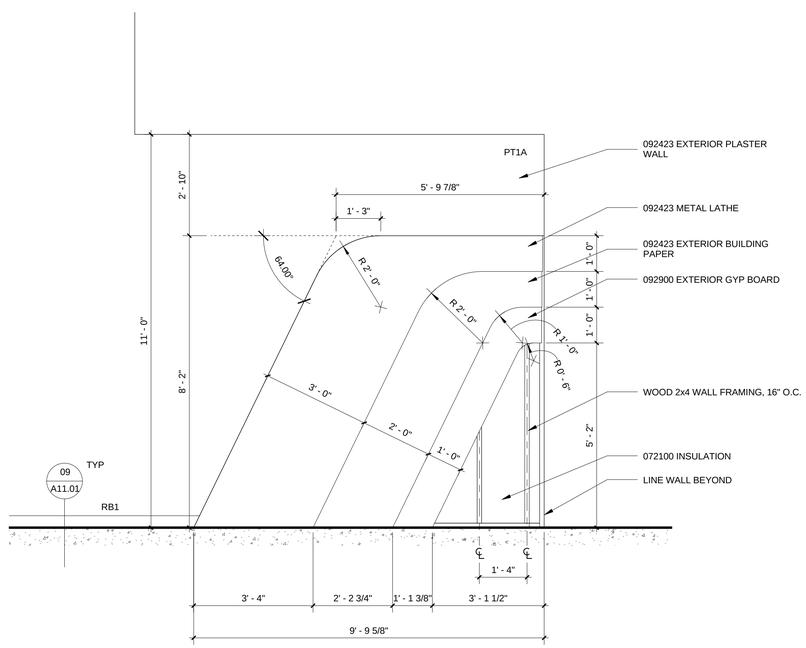

## 04 SMART HOME - TRUTH WALL NORTH ELEVATION

A6.06 SCALE: 1/2" = 1'-0"



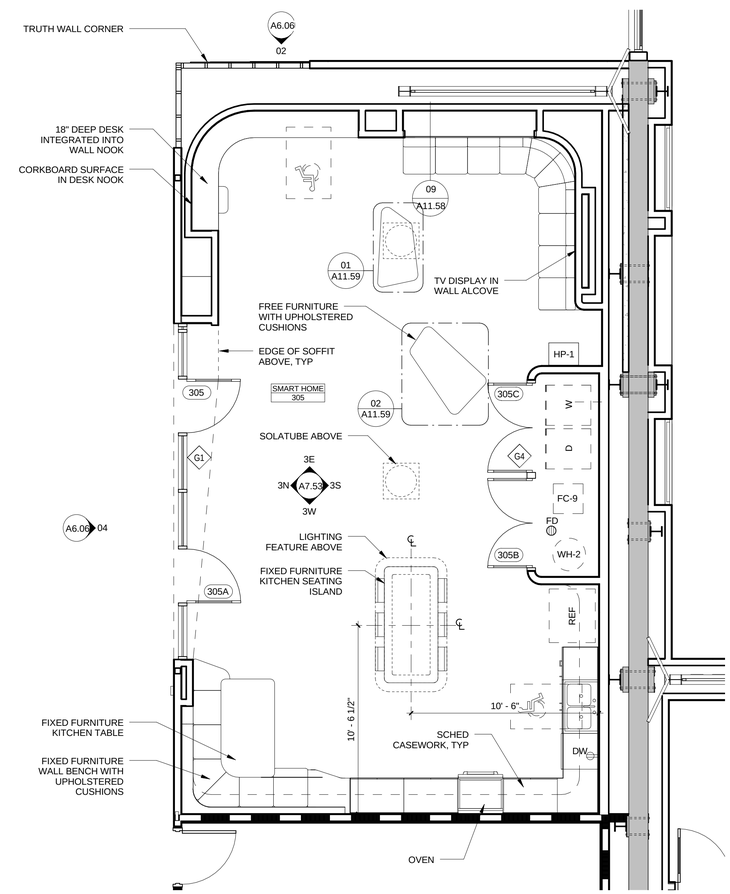

## 03 HOME - TRUTH WALL 3D

A6.06 SCALE:




## 02 SMART HOME - TRUTH WALL EAST ELEVATION

A6.06 SCALE: 1/2" = 1'-0"




## 01 SMART HOME - ENLARGED PLAN

A6.06 SCALE: 1/4" = 1'-0"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Project Number: 13-002

Sheet Title:

ENLARGED FLOOR PLANS

4

Sheet Number:

A6.06

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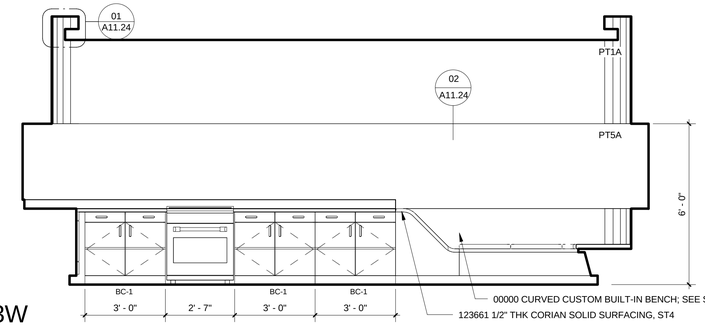


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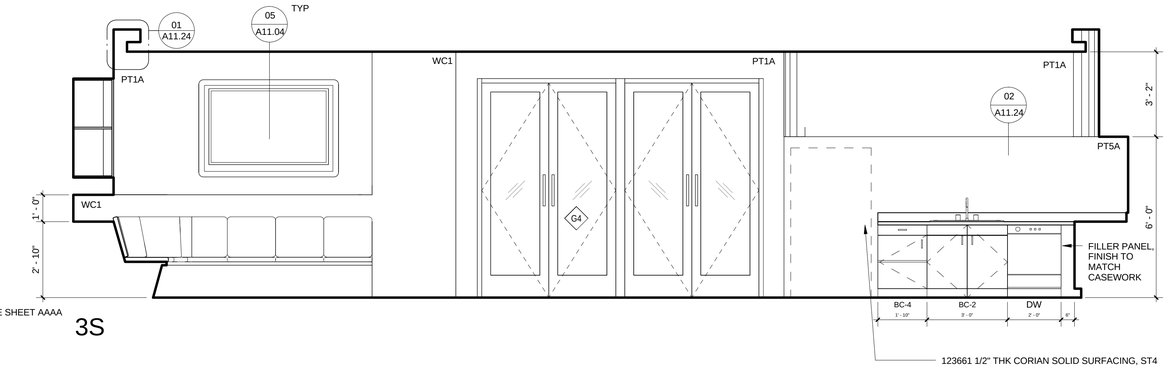
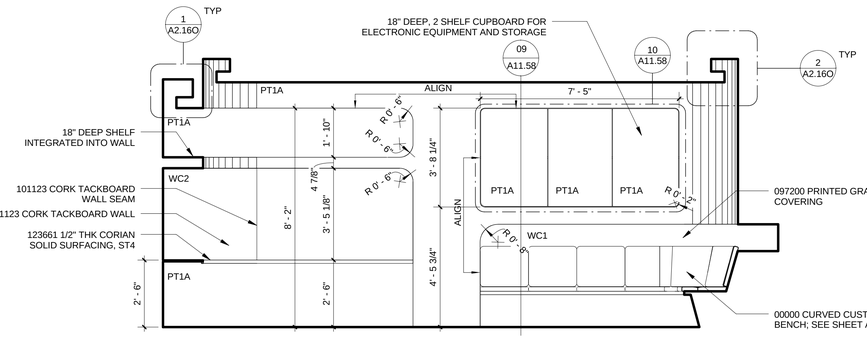



3S

## GENERAL NOTES:

1. SEE A7.83 & A7.84 FOR FINISH / MATERIAL SCHEDULE, A7.80 & A7.81 FOR FINISH PLANS, AND A7.82 FOR ROOM FINISH SCHEDULE
2. REFER TO FLOOR PLANS A2.10 & A2.11 FOR ELEVATION TARGETS
3. PROVIDE BACKING IN WALL FOR ALL MOUNTED EQUIPMENT INCLUDING N.I.C. / OFOI EQUIPMENT. SEE STRUCT FOR DETAILS
4. ALL DIMENSIONS ARE TO T.O. FINISH
5. ALL STL WASHERS AT (N) STL COLUMNS TO BE PAINTED PT10B U.O.N.
6. REFER TO SHEETS A4.20, A4.30, A4.31, A4.40, A4.41, A4.42, A4.43 FOR CURTAIN WALL, EXT STOREFRONT, & INT STOREFRONT ELEVATIONS
7. REFER TO RCP FOR ROLLERSHADE TYPES AND SHEET A11.29 FOR DETAILS

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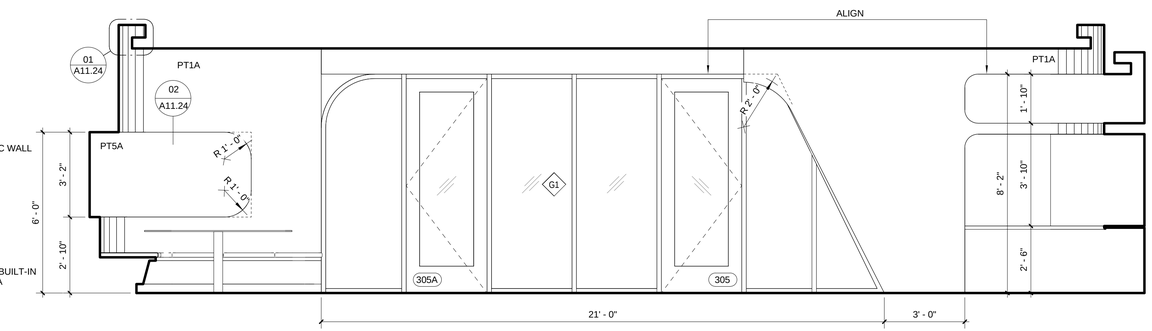
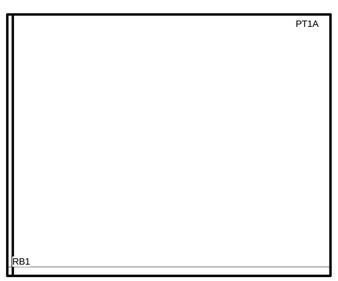



3N

## 03 SMART HOME 305 ELEVATIONS

7.53 SCALE: 3/8" = 1'-0"

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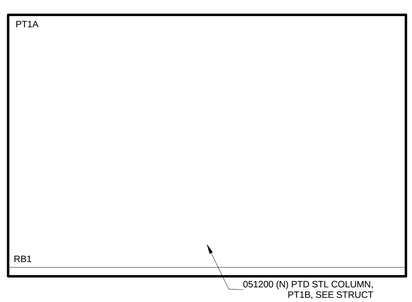


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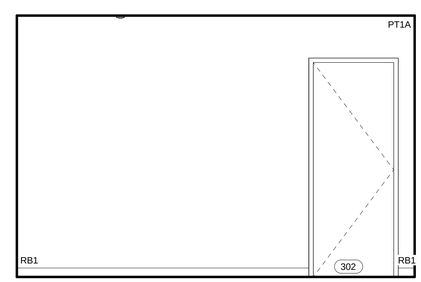


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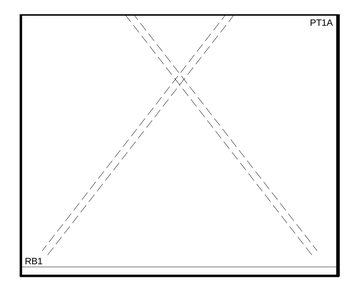
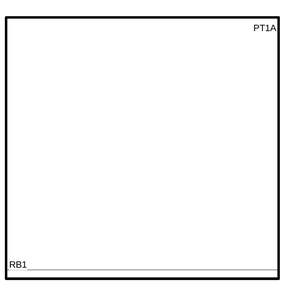



2E

## 02 STORAGE ROOM 302 ELEVATIONS

7.53 SCALE: 3/8" = 1'-0"

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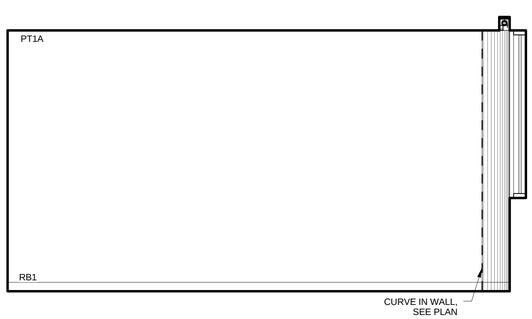


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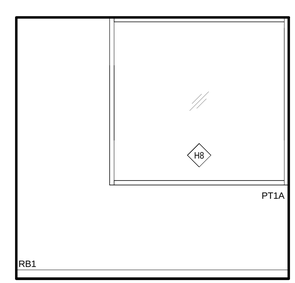


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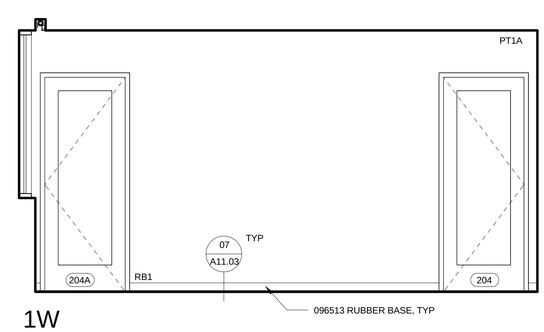


1W

## 01 CONFERENCE 204 ELEVATIONS

7.53 SCALE: 3/8" = 1'-0"


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Date issued: JULY 23, 2014

Project Number: 13-002

Sheet Title:

INTERIOR ELEVATIONS

Sheet Number: 4

A7.53

7/23/2014 8:42:10 PM

## GENERAL NOTES:

1. SEE A7.83 & A7.84 FOR FINISH / MATERIAL SCHEDULE, A7.80 & A7.81 FOR FINISH PLANS, AND A7.82 FOR ROOM FINISH SCHEDULE
2. REFER TO FLOOR PLANS A2.10 & A2.11 FOR ELEVATION TARGETS
3. PROVIDE BACKING IN WALL FOR ALL MOUNTED EQUIPMENT INCLUDING N.I.C. / OFOI EQUIPMENT. SEE STRUCT FOR DETAILS
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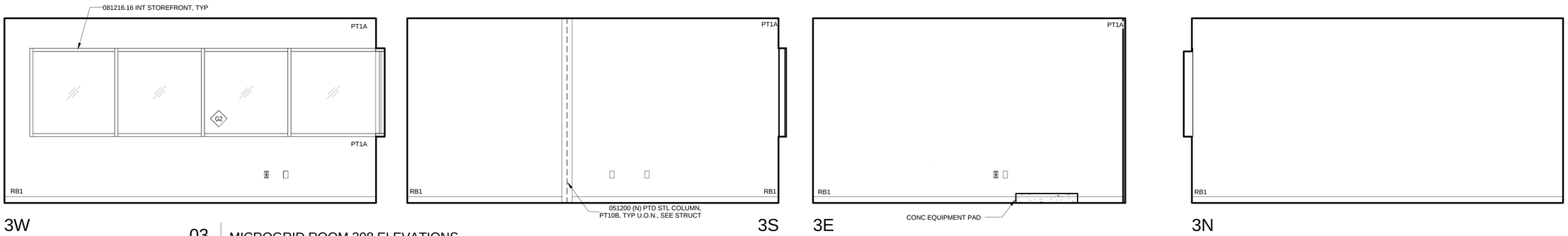
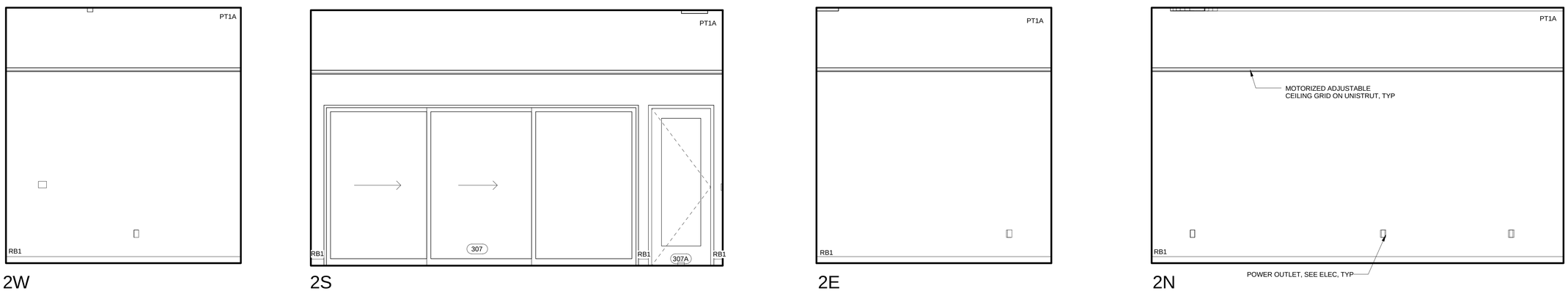
5. ALL STL WASHERS AT (N) STL COLUMNS TO BE PAINTED PT10B U.O.N.
6. REFER TO SHEETS A4.20, A4.30, A4.31, A4.40, A4.41, A4.42, A4.43 FOR CURTAIN WALL, EXT STOREFRONT, & INT STOREFRONT ELEVATIONS
7. REFER TO RCP FOR ROLLERSHADE TYPES AND SHEET A11.29 FOR DETAILS



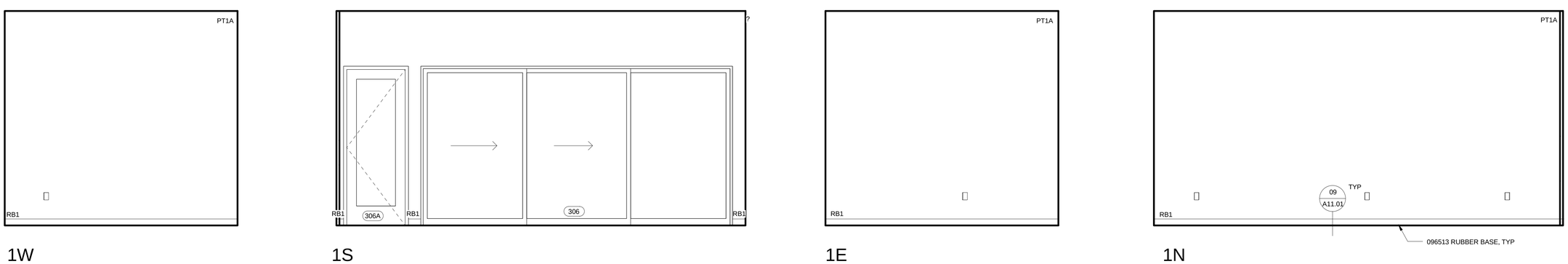

03 / 7.54 MICROGRID ROOM 308 ELEVATIONS

SCALE: 3/8" = 1'-0"




02 / 7.54 LIGHTING DISPLAY 1 307 ELEVATIONS

SCALE: 3/8" = 1'-0"




01 / 7.54 LIGHTING DISPLAY 2 306 ELEVATIONS

SCALE: 3/8" = 1'-0"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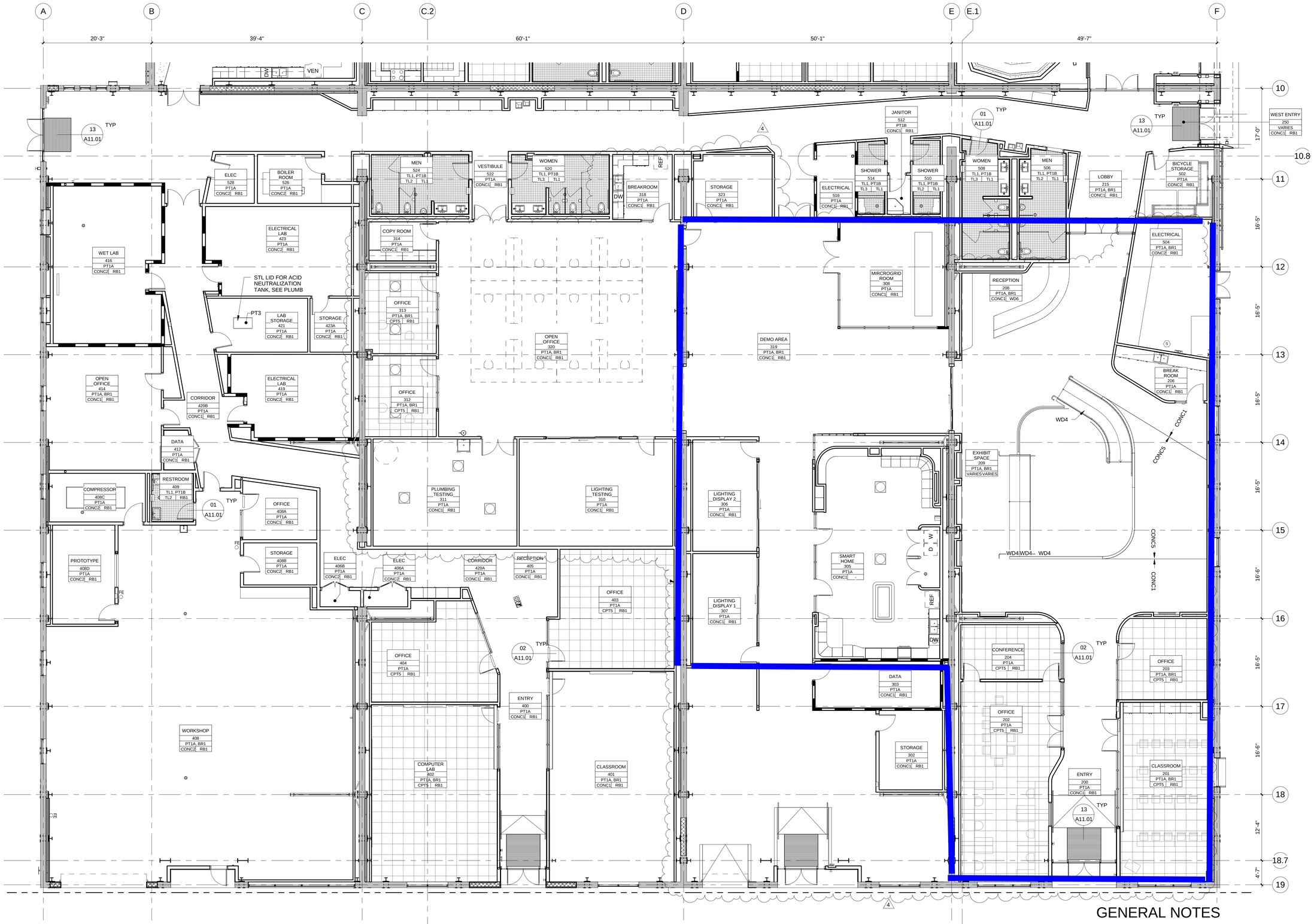
Sheet Title:

INTERIOR ELEVATIONS

Sheet Number: 4

A7.54

7/23/2014 8:56:10 PM




# GENERAL NOTES

1. INTERIOR FINISH MATERIALS APPLIED TO WALL AND CEILINGS SHALL BE TESTED AS SPECIFIED IN SECTION 803. SPECIFY THE CLASSIFICATIONS PER TABLE 803.5 AND SECTION 803.1. CLEARLY INDICATE ON THE PLANS.

2. THE FLAME-SPREAD RATING OF PANELING MATERIALS ON THE WALLS OF THE CORRIDOR LOBBY AND EXIT ENCLOSURE MUST BE IDENTIFIED ON PLANS. (T-803.5)

## 01 WEST FINISH FLOOR PLAN

A7.81 SCALE: 1/8" = 1'-0"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Drawn by:

Date issued: JULY 23, 2014

Project Number: 13-002

Sheet Title:

FINISH PLAN - WEST

Sheet Number:

A7.81

7/23/2014 1:30:54 PM

## ROOM FINISH SCHEDULE

| NO | Name | FLOOR FINISH | FLOOR BASE | NORTH | EAST | SOUTH | WEST | CEILING MATERIAL | CEILING FINISH | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 100 | ENTRY | CONC1 | RB1 | PT1A | PT1A | BR1 | PT1A | OTS | - | |
| 102 | WAITING AREA | CRK1 | WD6 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 105 | POD | CONC1 | RB1 | PT1A, BR1 | PT1A | PT1A | PT1A | OTS | - | |
| 106 | CONFERENCE | CPT2+3 | RB1 | PT1A | PT1A | VARIES | PT1A, WC3 | ACT1 | - | |
| 107 | OFFICE | CPT1 | RB1 | - | PT1A | BR1 | PT1A | ACT1 | - | |
| 108 | MEETING | CPT2+3 | RB1 | PT1A | PT1A | PT1A | PT1A, WC3 | ACT1 | - | |
| 109 | OFFICE | CPT1 | RB1 | - | PT1A | BR1 | PT1A | ACT1 | - | |
| 110 | PHONE BOOTH | CPT1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 111 | MEETING | CRK1 | RB1 | - | PT1A | BR1 | PT1A, WC3 | ACT1 | - | |
| 112 | PHONE BOOTH | CPT1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 113 | CORRIDOR | CONC1 | RB1 | PT1A | PT5A | PT1A | - | OTS | - | |
| 114 | MEETING | CPT2+3 | RB1 | PT1A | PT1A | PT1A | PT1A, WC3 | ACT1 | - | |
| 116A | VESTIBULE | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 116B | ELECTRICAL | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 116C | DATA | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 118 | WOMEN | TL3 | TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | GYP1 | PT1A | |
| 120 | PHONE BOOTH | CPT1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 121 | VEST. | CONC1 | RB1 | PT1A | PT1A | PT1A, BR1 | PT1A | GYP1 | PT1A | |
| 121B | SERVER | VCT3 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 121C | STORAGE | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | |
| 122 | PHONE BOOTH | CPT1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 124 | MEN | TL2 | TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | GYP1 | PT1A | |
| 126 | CONFERENCE | CPT2+3 | RB1 | PT1A, WC3 | PT1A | PT1A, AP4 | PT1A | ACT1 | - | |
| 127 | COURTYARD | WD5 | VARIES | PT1A, BR1 | - | VARIES | PT1A | OTS | - | SEE ELEVATION 1S/A7.06 |
| 127A | SEATING | WD5 | WD6 | PT1A, BR1 | - | VARIES | VARIES | OTS | - | SEE ELEVATIONS 1S/A7.06, 1W (CD)/A7.27 |
| 128 | JANITOR | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 130 | KITCHEN | VCT1 | RB1 | PT1B | PT1B | PT1B | PT1B | GYP1 | PT1B | |
| 130A | STORAGE | VCT1 | RB1 | PT1B | PT1B | PT1B | PT1B | GYP1 | PT1A | |
| 131 | CONFERENCE | CPT2+3 | RB1 | BR1 | PT1A, WC3 | - | AP3 | ACT1 | - | |
| 133 | OFFICE | CPT1 | RB1 | BR1 | PT1A | - | PT1A | ACT1 | - | |
| 134 | BREAK ROOM | CONC1 | VARIES | BR1 | PT1A | PT1A, BR1 | PT1A, BR1 | OTS | - | |
| 135A | ELEC | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 135B | DATA | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 136 | BOARD ROOM | CRK1 | RB1 | VARIES | PT1A, WC1 | PT1A, WC1 | PT1A, WC1 | GYP1 | PT1A | |
| 137 | MEETING | CPT2+3 | RB1 | - | PT1A, WC3 | BR1 | - | ACT1 | - | |
| 138 | OFFICE | CPT1 | RB1 | PT1A | PT1A | - | PT1A | ACT1 | - | |
| 139 | OFFICE | CPT1 | RB1 | - | PT1A | BR1 | PT1A, WC3 | ACT1 | - | |
| 140 | POD | CONC1 | RB1 | PT1A, BR1 | PT1A | PT1A | PT1A, WC3 | OTS | - | |
| 141 | OFFICE | CPT1 | RB1 | - | PT1A | BR1 | PT1A | ACT1 | - | |
| 143 | OFFICE | CPT1 | RB1 | - | PT1A | BR1 | PT1A | ACT1 | - | |
| 144 | POD | CONC1 | RB1 | PT1A, BR1 | PT1A, BR1 | PT1A | PT1A | OTS | - | |
| 145 | OFFICE | CPT1 | RB1 | - | PT1A | BR1 | PT1A | ACT1 | - | |
| 146 | OFFICE | CPT1 | RB1 | PT1A | PT1A | BR1 | PT1A | ACT1, GYP1 | PT1A | |
| 147 | STORAGE | CONC1 | RB1 | PT1A | WC1 | BR1 | PT1A | GYP1 | PT1A | |
| 148 | OFFICE | CPT1 | RB1 | PT1A | PT1A, WC3 | BR1 | PT1A | ACT1, GYP1 | PT1A | |
| 150 | OFFICE | CPT1 | RB1 | PT1A | PT1A, BR1 | BR1, BR2 | PT1A | ACT1, GYP1 | PT1A | |
| 151 | POD | CONC1 | VARIES | VARIES | PT1A | PT1A | PT1A | OTS | - | |
| 152 | OFFICE | CPT1 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1, GYP1 | PT1A | |
| 153 | OFFICE | CPT1 | RB1 | - | PT1A | BR1 | PT1A | ACT1 | - | |
| 154 | MEETING | CPT2+3 | RB1 | BR1, BR2 | BR1 | PT1A | PT1A | ACT1, GYP1 | PT1A | |
| 155 | OFFICE | CPT1 | RB1 | - | PT1A | BR1 | PT1A | ACT1 | - | |
| 156 | POD | CONC1 | VARIES | PT1A | PT1A, BR1 | VARIES | PT1A | OTS | - | |
| 158 | POD | CONC1 | VARIES | BR1, BR2 | PT1A, BR1 | PT1A | PT1A | OTS | - | |
| 159 | POD | CONC1 | RB1 | BR1 | PT1A | PT1A, WC3 | PT1A | OTS | - | |
| 160 | OFFICE | CPT1 | RB1 | PT1A | PT1A, BR1 | BR1 | PT1A | ACT1, GYP1 | PT1A | |
| 162 | OFFICE | CPT1 | RB1 | PT1A | PT1A | BR1 | PT1A, WC3 | ACT1, GYP1 | PT1A | |
| 164 | OFFICE | CPT1 | RB1 | PT1A | PT1A | BR1 | PT1A | ACT1, GYP1 | PT1A | |
| 165 | KITCHENETTE | CONC1 | RB1 | PT1A | WC1 | PT1A | PT1A | GYP1 | PT1A | |
| 166 | OFFICE | CPT1 | RB1 | PT1A, BR1 | PT1A, BR1 | PT1A | PT1A | ACT1, GYP1 | PT1A | |
| 167 | CORRIDOR | CONC1 | RB1 | PT1A, WC3 | - | PT5A | PT1A | GYP1 | PT1A | |
| 167A | MEN | TL2 | TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | GYP1 | PT1A | |
| 167B | WOMEN | TL3 | TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | GYP1 | PT1A | |
| 168 | OFFICE | CPT1 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1, GYP1 | PT1A | |
| 170 | POD | CONC1 | RB1 | PT1A | PT1A, BR1 | PT1A, BR1 | PT1A | OTS | - | |
| 171 | POD | CONC1 | RB1 | VARIES | PT1A, WC3 | PT1A | PT1A, WC3 | OTS | - | |
| 172A | ELEC | CONC2 | RB1 | PT1A | PT1A | PT1A, BR1 | PT1A | GYP1 | PT1A | |
| 172B | SPRINKLER RISER | CONC2 | RB1 | PT1A | PT1A | BR1 | PT1A | GYP1 | PT1A | |
| 173 | DIRECTOR | CRK1 | RB1 | BR1 | PT1A, WC3 | PT1A | PT1A | OTS | - | |
| 174 | POD | CONC1 | RB1 | PT1A | PT1A | PT1A, BR1 | PT1A | OTS | - | |
| 175 | FLEX OFFICE | CONC1 | RB1 | BR1 | PT1A | PT1A | VARIES | OTS | - | SEE ELEVATIONS 1S/A7.36, 2N/A7.36 |
| 176 | OFFICE | CPT1 | RB1 | PT1A | - | PT1A | PT1A | ACT1 | - | |
| 177 | DIRECTOR | CRK1 | RB1 | BR1 | PT1A | - | PT1A, WC3 | ACT1 | - | |
| 178 | OFFICE | CPT1 | RB1 | PT1A | PT1A | PT1A, BR1 | PT1A | ACT1 | - | |
| 179 | DIRECTOR | CRK1 | RB1 | BR1 | PT1A | - | PT1A, WC3 | ACT1 | - | |
| 180 | MAIL / COPY | CONC1 | RB1 | PT1A | PT1A | PT1A, BR1 | PT1A | GYP1, OTS | PT1A | |
| 181A | MPOE | CONC2 | RB1 | PT1A | PT1A | BR1 | PT1A | GYP1 | PT1A | |
| 182 | RECEPTION | CONC1 | VARIES | PT1A | PT1A | PT1A, BR1 | PT1A | OTS | - | |
| 190 | CORRIDOR | CONC1 | VARIES | VARIES | VARIES | VARIES | VARIES | OTS | - | SEE SHEET A7.27, A7.28, A7.29, A7.30 ELEVATIONS |
| 192 | CORRIDOR | CONC1 | RB1 | PT1A | - | PT1A | - | OTS | - | SEE SHEET A7.31 ELEVATIONS |
| 194 | CORRIDOR | CONC1 | VARIES | VARIES | VARIES | VARIES | VARIES | OTS | - | SEE SHEET A7.32, A7.33, A7.34, A7.35 ELEVATIONS |
| 196 | CORRIDOR | CONC1 | VARIES | VARIES | - | VARIES | - | OTS | - | SEE SHEET A7.36 ELEVATIONS |
| 198 | CORRIDOR | CONC1 | VARIES | - | VARIES | PT1A | VARIES | GYP1, OTS | PT1A | SEE SHEET A7.37, A7.38 ELEVATIONS |
| 200 | ENTRY | CONC1 | RB1 | PT1A, BR1 | - | PT1A, BR1 | PT1A | OTS | - | |
| 201 | CLASSROOM | CPT5 | RB1 | PT1A | PT1A | PT1A, BR1 | PT1A, BR1 | ACT1, GYP1 | PT1A | |
| 202 | OFFICE | CPT5 | RB1 | PT1A | PT1A | PT1A | PT1A, BR1 | ACT1, GYP1 | PT1A | |
| 203 | OFFICE | CPT5 | RB1 | PT1A | PT1A | BR1 | PT1A | ACT1 | - | |

## ROOM FINISH SCHEDULE

| NO | Name | FLOOR FINISH | FLOOR BASE | NORTH | EAST | SOUTH | WEST | CEILING MATERIAL | CEILING FINISH | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| 204 | CONFERENCE | CPT5 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | |
| 206 | BREAK ROOM | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | |
| 207 | DEMO HOUSE | WD4 | WD6 | PT7A | PT7A, PT6A | PT6A | PT7A | OTS | - | SEE SHEET A7.47, A7.48 ELEVATIONS |
| 208 | RECEPTION | CONC1 | WD6 | PT1A, BR1 | PT1A | - | - | OTS | - | |
| 209 | EXHIBIT SPACE | VARIES | VARIES | VARIES | PT1A | VARIES | PT1A | OTS | - | SEE SHEET A7.50, 7.51 ELEVATIONS |
| 215 | LOBBY 4 | CONC1 | RB1 | PT1A, BR1 | PT1A, BR1 | VARIES | PT1A | OTS | - | SEE SHEET A7.52, A7.76, A7.74 ELEVATIONS |
| 250 | WEST ENTRY | CONC1 | RB1 | - | PT1A | AL4, BR1 | PT1A | OTS | - | SEE SHEET A7.52, A7.76, A7.74 ELEVATIONS |
| 302 | STORAGE | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | |
| 303 | DATA | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 305 | SMART HOME | CONC1 | - | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 306 | LIGHTING DISPLAY 2 | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 307 | LIGHTING DISPLAY 1 | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 308 | MIRCROGRID ROOM | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | |
| 310 | LIGHTING TESTING | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | 4 |
| 311 | PLUMBING TESTING | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | |
| 312 | OFFICE | CPT5 | RB1 | BR1 | PT1A | PT1A | PT1A | ACT1 | - | |
| 313 | OFFICE | CPT5 | RB1 | BR1 | PT1A | PT1A | PT1A | ACT1 | - | |
| 314 | COPY ROOM | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | |
| 318 | BREAKROOM | CONC1 | RB1 | PT1B | PT1B | PT1B | PT1B | ACT1 | - | |
| 319 | DEMO AREA | CONC1 | RB1 | BR1 | PT1A | PT1A, BR1 | PT1A | OTS | - | |
| 320 | OPEN OFFICE | CONC1 | RB1 | PT1A | PT1A | PT1A, BR1 | PT1A | OTS | - | |
| 323 | STORAGE | CONC1 | RB1 | PT1A | PT1A, WC3 | PT1A | PT1A | ACT1 | - | |
| 400 | ENTRY | CONC1 | RB1 | PT1A, BR1 | PT1A | PT1A, BR1 | PT1A | OTS | - | |
| 401 | CLASSROOM | CONC1 | RB1 | PT1A | PT1A, WC3 | PT1A, AP5 | BR1 | ACT1, GYP1 | PT1A | |
| 402 | COMPUTER LAB | CPT5 | RB1 | PT1A, AP5 | PT1A, WC3 | PT1A | BR1 | ACT1, GYP1 | PT1A | |
| 403 | OFFICE | CPT5 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | |
| 404 | OFFICE | CPT5 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | |
| 405 | RECEPTION | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | OTS | - | |
| 406A | ELEC | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 406B | ELEC | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 408 | WORKSHOP | CONC2 | RB1 | PT1A, BR1 | PT1A | PT1A, BR1 | PT1A | OTS | - | |
| 408A | OFFICE | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 408B | STORAGE | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 408C | COMPRESSOR | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 408D | PROTOTYPE | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 409 | RESTROOM | TL2 | RB1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | GYP1 | PT1A | |
| 412 | DATA | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 414 | OPEN OFFICE | CONC1 | RB1 | PT1A, BR1 | PT1A | PT1A, WC3 | PT1A | ACT1 | - | |
| 416 | WET LAB | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | |
| 419 | ELECTRICAL LAB | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | |
| 420A | CORRIDOR | CONC1 | RB1 | PT1A | PT1A | BR1 | PT1A | OTS | - | |
| 420B | CORRIDOR | CONC1 | RB1 | PT1A, BR1 | PT1A | PT1A, BR1 | PT1A | OTS | - | |
| 421 | LAB STORAGE | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 423 | ELECTRICAL LAB | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | ACT1 | - | |
| 423A | STORAGE | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 501 | CORRIDOR | CONC1 | RB1 | VARIES | VARIES | VARIES | VARIES | OTS | - | SEE SHEET A7.73, A7.74, A7.75, A7.76 ELEVATIONS |
| 501 | CORRIDOR | | | | | | | | | |
| 502 | BICYCLE STORAGE | CONC2 | RB1 | PT1A | PT1A | BR1 | PT1A | GYP1 | PT1A | |
| 504 | ELECTRICAL | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | OTS | - | |
| 506 | MEN | TL2 | TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | GYP1 | PT1A | |
| 508 | WOMEN | TL3 | TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | GYP1 | PT1A | |
| 510 | SHOWER | TL2 | TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | GYP1 | PT1A | |
| 512 | JANITOR | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 514 | SHOWER | TL3 | TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | GYP1 | PT1A | |
| 516 | ELECTRICAL | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 518 | VESTIBULE | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 520 | WOMEN | TL3 | TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | GYP1 | PT1A | |
| 522 | VESTIBULE | CONC1 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 524 | MEN | TL2 | TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | PT1B, TL1 | GYP1 | PT1A | |
| 526 | BOILER ROOM | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |
| 528 | ELEC | CONC2 | RB1 | PT1A | PT1A | PT1A | PT1A | GYP1 | PT1A | |

# GENERAL NOTES

1. REFER TO INTERIOR ELEVATIONS FOR VERTICAL SURFACE FINISHED IN ADDITION TO THOSE NOTED ON THE SHEET
2. SEE A7.83, A7.84 FOR FINISH DESIGNATIONS
3. INTERIOR FINISH MATERIALS APPLIED TO WALL AND CEILINGS SHALL BE TESTED AS SPECIFIED IN SECTION 803. SPECIFY THE CLASSIFICATIONS PER TABLE 803.5 AND SECTION 803.1. CLEARLY INDICATE ON THE PLANS.
4. THE FLAME-SPREAD RATING OF PANELING MATERIALS ON THE WALLS OF THE CORRIDOR LOBBY AND EXIT ENCLOSURE MUST BE IDENTIFIED ON PLANS. (T-803.5)


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Signature
12/31/14
Renewal Date
STATE OF CALIFORNIA

***LA KRETZ INNOVATION CAMPUS***

525 South Hewitt Street
Los Angeles, California 90013

Work Order #:E1907574
Plan File #:G906
EDA Project No. 07 01 06845

***OWNER***
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Revisions:

| # | date | remarks |
|---|---|---|
| | 11/16/2012 | Bid Set |
| 4 | 07/23/2014 | Bulletin #2 |


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Drawn by:

Date issued: JULY 23, 2014

Project Number: 13-002

Sheet Title:

ROOM FINISH SCHEDULE

Sheet Number:

A7.82

7/22/2014 2:38:45 PM

| TYPE | DESCRIPTION |
|---|---|
| | |
| | COLORS: |
| PT1 | WHITE - DUNN EDWARDS DEW380 |
| PT2 | DARK GRAY - DUNN EDWARDS POINTED ROCK DE6363 |
| PT3 | LIGHT GRAY - DUNN EDWARDS SILVER SPOON DE6366 |
| PT4 | DARK GRAY - DUNN EDWARDS DARK ENGINE DE6350 |
| PT5 | GREEN - DUNN EDWARDS FLUORESCENT LIME DE5517 |
| PT6 | YELLOW - DUNN EDWARDS FUZZY DUCKLING DE5396 |
| PT7 | ORANGE - DUNN EDWARDS TANGERINE TANGO DE5194 |
| PT8 | ADA BLUE, COLOR TBD |
| PT9 | CHARCOAL GRAY - DUNN EDWARDS LOOKING GLASS DE6376 |
| PT10 | MAROON - DUNN EDWARDS RUDDY OAK DE5188 |
| PT11 | YELLOW - DUNN EDWARDS ELECTRIC GLOW DEA119 |
| | |
| | ACOUSTICAL CEILING TILE: |
| ACT1 | ULTIMA 2'x4' BEVELED TEGULAR TILES ON SILHOUETTE XL 1/8" REVEAL 9/16" BOLT SLOT SUSPENSION SYSTEM, COLOR: WHITE |
| ACT2 | ULTIMA 2'x4' SQUARE LAY IN TILES ON PRELUDE XL 15/16" T BAR SUSPENSION SYSTEM, COLOR: WHITE |
| ACT3 | INTERLOCKEN 2.0 ACOUSTICAL TILES LAY IN TILES ON PRELUDE XL 15/16" T BAR SUSPENSION SYSTEM, COLOR: WHITE |
| 4 ACT4 | PRELUDE XL 15/16" T BAR SUSPENSION SYSTEM (GRID ONLY), COLOR: WHITE; MOUNTED ON UNISTRUT GRID |
| | ALUMINUM |
| AL1 | ALUMINUM, ANODIZED - LIGHT CHAMPAGNE FINISH |
| AL2 | ALUMINUM - CLEAR ANODIZED |
| AL3 | ALUMINUM WITH DURANAR FINISH, COLOR ECLIPSE GRAY, UC106669-PD900000 (MATCH COLOR PT2) |
| AL4 | 3/4" THK ALUMINUM HONEYCOMB PANELS |
| AL5 | 1/2" THK ALUMINUM PLATE |
| | |
| | ACOUSTIC PANELS: |
| AP1 | TECTUM INC., 1" TECTUM ACOUSTICAL PANELS O/ 098413 AP6 BLACK FIBERGLASS BATT |
| AP2 | TECTUM INC., 2" TECTUM ACOUSTICAL PANELS, FINALE SONICOR, PAINT: PT1B |
| AP3 | WALL TECHNOLOGY, IR108 SERIES ACOUSTICAL PANELS, VINYL COVERING, COLOR: SNOW |
| AP4 | WALL TECHNOLOGY, IR108 SERIES ACOUSTICAL PANELS, FB1 |
| AP5 | WALL TECHNOLOGY, IR108 SERIES ACOUSTICAL PANELS, FB2 |
| | |
| | |
| | CARPET: |
| CPT1 | BENTLEY PRINCE STREET 18" X 36" CARPET TILE, 8RD30063OR ROADSIDE ATTRACTIONS, ASHLAR INSTALLATION, COLOR: TOTEM POLE PARK 802140 |
| CPT2 | BENTLEY PRINCE STREET 24" X 24" CARPET TILE, 8EG34063OR EDGE CITY COLOR: CHERRY HILL 801011 |
| CPT3 | BENTLEY PRINCE STREET 24" X 24" CARPET TILE, 8EG34063OR EDGE CITY COLOR: CUPERTINO 800999 |
| CPT4 | BENTLEY PRINCE STREET 24" X 24" CARPET TILE, 8EG34063OR EDGE CITY COLOR: PEARL RIVER 801002 |
| CPT5 | BENTLEY PRINCE STREET 18" X 36" CARPET TILE, 4TS24062OR TALL STORY, ASHLAR INSTALLATION, COLOR: ALL NATURAL BEAUTY 400417 |

OWNER/USER REQUESTED CHANGE

| | CONCRETE: |
|---|---|
| CONC1 | ARCH CONCRETE: SMOOTH STEEL TROWEL FINISH, POLISHED, PENETRATING SEALER AS REQUIRED |
| CONC2 | ARCH CONCRETE: STEEL TROWEL FINISH, PENETRATING SEALER AS REQUIRED (LAB AND WORKSHOP) |
| CONC3 | EXTERIOR CONCRETE: TROWEL FINISH |
| CONC4 | EXTERIOR ARCHITECTURAL CONCRETE, STEEL TROWEL FINISH WITH RINCON WATER BASED SURFACE RETARDER FOR LIGHT ACID WASH FINISH |
| CONC5 | ARCH CONCRETE: SCOFIELD SYSTEMS, LITHOCHROME TINTURA STAIN, 1108 BRIGHT ORANGE, SMOOTH STEEL TROWEL FINISH, POLISHED, PENETRATING SEALER AS REQUIRED, SEALER COLOR TO MATCH PT7 |
| CONC6 | ARCH CONCRETE: SCOFIELD SYSTEMS, LITHOCHROME TINTURA STAIN, 2077 MUSTARD YELLOW, SMOOTH STEEL TROWEL FINISH, POLISHED, PENETRATING SEALER AS REQUIRED, SEALER COLOR TO MATCH PT6 |
| | |
| | CORK FLOORING: |
| CRK1 | CORK TILE FLOORING, 3.2MM WICANDERS GLUE DOWN, FINISH: CORKCOMFORT FLOATING HPS (HIGH PERFORMANCE SURFACE) ORIGINALS NATURAL O201003 |
| | |
| | GLASS: |
| GL1 | VIRACON VRE 1-59, 1" INSULATED LOW-E, CLEAR |
| GL2 | VUE 1-40, 1-5/16" LAMINATED, INSULATED LOW-E, CLEAR W/ 40% GRAY DOT FRIT PATTERN |
| GL3 | VIRACON MONOLITHIC 1/4" THICK, CLEAR, TEMPERED |
| GL4 | NOT USED |
| GL5 | 1/2" THICK ACOUSTIC GLASS, LAMINATED, CLEAR (2 PILES 1/4" THICK) |
| GL6 | NOT USED |
| GL7 | 1/4" THICK MIRROR, TEMPERED |
| GL8 | 1/4" THK, CLEAR, TEMPERED, BACK PAINTED, COLOR TO MATCH PT1 |
| GL9 | 1/4" THK, CLEAR, TEMPERED, BACK PAINTED, COLOR TO MATCH PT2 |
| GL10 | 1/4" THK, CLEAR, TEMPERED, BACK PAINTED, COLOR TO MATCH PT5 |
| GL11 | 1/4" THK, CLEAR, TEMPERED, BACK PAINTED, COLOR TO MATCH PT6 |
| | |
| | FABRIC |
| FB1 | MAHARAM; MESSENGER 458640, COLOR: 031 CLOUD |
| FB2 | MAHARAM; MESSENGER 458640, COLOR: 046 ICE |
| FB3 | MOMENTUM; PATTERN: EDICT, COLOR: SHALE |
| FB4 | INDUSTRIAL PRESSED WOOL FELT, F-7, 1/2" THK, COLOR: GREY |
| | |
| | GROUT: |
| GRT1-7 | LATICRETE, COLORS: TBD |
| | |
| | GYPSUM BOARD: |
| GSH | GYPSUM SHEATHING, FIBERGLASS FACED MATS |
| GYP1 | GYPSUM BOARD: ASTM C1396, TYPE X, FIRE RESISTIVE AS REQ'D, UL LISTED, 5/8" THK, "LEVEL 4 FINISH" PER GA-214-96 |
| GYP2 | GYPSUM BOARD: ASTM C1396, TYPE X, FIRE RESISTIVE AS REQ'D, UL LISTED, 5/8" THK, "LEVEL 5 FINISH" FOR LOCATIONS WHERE WC1 & WC3 ARE TO BE APPLIED |
| | |
| | METAL: |
| MTL1 | 1/2" THICK ALUMINUM PLATE PAINTED |
| MTL2 | BRUSHED ST STL, 1/2" THICK PLATE, (GUARD RAIL FRAME) |
| MTL3 | STAINLESS STEEL NET, WEBNET ROPE 1mm ø, MESH 50 mm WITH STAINLESS STEEL SLEEVES |
| SS4 | STAINLESS STEEL WITH A U.S. #4 FINISH |

| | EXTERIOR CEMENT PLASTER: |
|---|---|
| PL1 | SMOOTH TROWEL FINISH; 7/8" THICK, 3 LAYERS, WITH CRACK-PREVENTING ADDITIVE, FINISH: FINE SAND FLOAT, COLOR: WHITE TO MATCH COLOR PT2 |
| | |
| | PLASTIC LAMINATE: |
| PLAM1 | FORMICA COLOR: WHITE MICRODOT WHITE 949-MC |
| PLAM2 | FORMICA COLOR: GREEN MICRODOT LIME 4177-MC |
| PLAM3 | FORMICA COLOR: YELLOW MICRODOT SOL 3209-MC |
| PLAM4 | FORMICA COLOR: DARK GREY MATTE FINISH STORM 912-58 |
| PLAM5 | FORMICA COLOR: GREY MOUSE MATTE FINISH 928-58 |
| PLAM6 | FORMICA COLOR: WHITE COLORCORE2 MICRODOT FINISH NEW WHITE 7223C-MC |
| PLAM7 | FORMICA COLOR: WHITE COLORCORE2 VELOUR FINISH NEW WHITE 7223C-FV |
| | |
| | PAINT: |
| | (PAINTS ARE A COMBINATION OF COLOR AND TYPE: PT1A IS COLOR 1 WITH FINISH A) |
| | COLORS |
| PT1 - 15 | PAINT TO MATCH COLOR 1 - 15 |
| | FINISH TYPES |
| A | EGGSHELL, (LOW-VOC), I: SPMA30, E: EVSHA30 |
| B | SEMIGLOSS, (LOW-VOC), I: SPMA50, E: EVSH50 |
| C | GLOSSY LATEX (LOW-VOC), I: SPMA60, E: EVSH60 |
| D | MATTE, (LOW-VOC), I: SPMA10, E: EVSH10 |
| E | HIGH PERFORMANCE COATING |
| F | URETHANE OR EPOXY POWDER COAT |
| G | EXT ASPHALT STRIPING |
| | |
| | RESILIENT BASE: |
| RB1 | ARMSTRONG, 4" RUBBER BASE, COLOR: MID GRAY 71 |
| RB2 | ARMSTRONG, 4" RUBBER BASE, COLOR: LIGHT GRAY 69 |
| RB3 | ARMSTRONG, 4" RUBBER BASE, COLOR: WHITE, EDELWEISS 21 |
| | |
| | STONE/COMPOSITE: |
| ST1 | QUARTZ SURFACING: CAESARSTONE; 3/4" THK, COLOR: ORGANIC WHITE 4600 |
| ST2 | QUARTZ SURFACING: CAESARSTONE; 3/4" THK, COLOR: CONCRETE 2003 |
| ST3 | EPOXY - COUNTER TOPS, COLOR: DARK GRAY |
| ST4 | 1/2" THK CORIAN, COLOR: GLACIER WHITE |

## GENERAL NOTES

1. INTERIOR FINISH MATERIALS APPLIED TO WALL AND CEILINGS SHALL BE TESTED AS SPECIFIED IN SECTION 803. SPECIFY THE CLASSIFICATIONS PER TABLE 803.5 AND SECTION 803.1. CLEARLY INDICATE ON THE PLANS.

2. THE FLAME-SPREAD RATING OF PANELING MATERIALS ON THE WALLS OF THE CORRIDOR LOBBY AND EXIT ENCLOSURE MUST BE IDENTIFIED ON PLANS. (T-803.5)

01 FINISH SCHEDULE

T3.00 SCALE: NTS


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LICENSE NO. C-25438
Signature
12/31/14
Renewal Date
STATE OF CALIFORNIA

***LA KRETZ INNOVATION CAMPUS***

525 South Hewitt Street
Los Angeles, California 90013

Work Order #:E1907574
Plan File #:G906
EDA Project No. 07 01 06845

***OWNER***
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***111 North Hope Street***
***Los Angeles, CA 90012***
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Revisions:

| # | date | remarks |
|---|---|---|
| | 11/16/2012 | Bid Set |
| 1 | 07/23/2014 | Bulletin #2 |


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Drawn by:

Date issued: JULY 23, 2014

Project Number: 13-002

Sheet Title:

FINISH SCHEDULE

Sheet Number:

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# GENERAL NOTES

1. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE INCLUSIVE OF CITY OF LOS ANGELES AMENDMENTS, PERTINENT NFPA CODES AND RULES AND REGULATIONS OF ALL LOCAL, CA STATE AND FEDERAL AUTHORITIES HAVING JURISDICTION. FURNISH OWNER WITH CERTIFICATE OF INSPECTION.
2. THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE MAIN CONTRACT CONDITIONS, ELECTRICAL SPECIFICATIONS (DIVISION 26), THE MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS, THE ARCHITECTURAL DRAWINGS, THE STRUCTURAL ENGINEER'S DRAWINGS, THE TELECOMMUNICATIONS, AUDIO VISUAL AND SECURITY DRAWINGS (DIVISION 27 AND 28).
3. CONTRACTOR SHALL EXECUTE THE WORK IN THE BEST AND MOST THOROUGH MANNER & TO THE SATISFACTION OF THE CONSULTING ENGINEER, WHO WILL JOINTLY INTERPRET THE MEANING OF THE DRAWINGS AND SPECIFICATIONS AND SHALL HAVE THE POWER TO REJECT ANY WORK AND MATERIALS WHICH, IN THEIR JUDGMENT, ARE NOT IN FULL ACCORDANCE THEREWITH.
4. THE DRAWINGS SHOW THE VARIOUS CONDUIT AND PIPING SYSTEMS SCHEMATICALLY. CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY JUNCTION BOXES, PULL BOXES, SUPPORT AND ACCESSORIES TO MEET APPLICABLE CODES, BUILDING STANDARDS AND FULFILL CONTRACT DOCUMENTS. NO ADDED COMPENSATION WILL BE PERMITTED FOR VARIATIONS DUE TO FIELD CONDITIONS.
5. DO NOT SCALE FROM THE DRAWINGS, IF IN DOUBT, REQUEST FURTHER INFORMATION.
6. REFER TO THE ARCHITECTURAL DRAWINGS FOR SETTING OUT AND MOUNTING HEIGHT DETAILS OF ALL DEVICES, SWITCHES, ETC.
7. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR THE SETTING OUT OF ALL CEILING MOUNTED COMPONENTS.
8. ALL AREAS ASSOCIATED WITH WORK TO BE PERFORMED SHALL BE EXAMINED PRIOR TO BID SUBMISSION. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR CONDITIONS FOUND DURING INSTALLATION.
9. CONTRACTOR SHALL INCLUDE ALL LABOR, MATERIALS, AND APPURTENANCES REQUIRED FOR THE FURNISHING, INSTALLING AND TESTING OF ALL WORK. COMPLETE AND MAKE READY FOR OPERATION IN A MANNER SATISFACTORY TO THE ARCHITECT AND ELECTRICAL CONSULTING ENGINEER, ALL WORK SHOWN ON DRAWINGS AND SPECIFIED HEREIN.
10. WHERE CONDUITS, CABLE TRAY OR OTHER ELECTRICAL EQUIPMENT PENETRATE FIRE OR SMOKE RATED WALLS, PARTITIONS, FLOOR SLABS, ETC., THE SPACE BETWEEN THE SLEEVE OR CUTOUT AND THE ELECTRICAL EQUIPMENT SHALL BE CAULKED WITH A UL LISTED, INTUMESCENT TYPE, APPROVED FIRESTOP SYSTEM AS PER DIVISION 26 SPECIFICATION. SEE ARCHITECTURAL DRAWINGS FOR FIRE RATING OF WALLS AND FLOORS.
11. CONDUIT RUNS INDICATED ON PLAN ARE FOR REFERENCE ONLY. EXACT LOCATIONS AND ELEVATIONS SHALL BE DETERMINED AFTER COORDINATION WITH OTHER TRADES. THE CONTRACTOR SHALL SUPPLY, AS PART OF THEIR SHOP DRAWING SUBMISSION, THE EXACT LOCATION OF ALL CEILING MOUNTED EQUIPMENT AND CONDUIT RUNS INCLUDING PROPOSED LOCATIONS AND MEANS OF SUPPORT AS WELL AS THE EXPECTED LOAD CONCENTRATION AT THE POINTS OF ATTACHMENT. THE ABOVE NOTED INFORMATION SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER BEFORE ANY WORK IS TO COMMENCE.
12. CONTRACTOR SHALL VERIFY ELECTRICAL REQUIREMENTS OF ALL NEW EQUIPMENT TO BE USED. ALL SPECIAL PURPOSE OUTLETS INDICATED ON PLAN SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION, TO ENSURE PROPER WIRING AND COMPATIBILITY WITH ATTACHMENT PLUGS OR JUNCTION BOXES THAT MAY BE FURNISHED AS AN INTEGRAL PART OF THE EQUIPMENT.
13. ALL RECEPTACLES SHALL BE ACCESSIBLE. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EQUIPMENT RECEPTACLES WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND THE LOCAL INSPECTOR.
14. CONTRACTOR SHALL PROVIDE DISCONNECTS FOR ALL EQUIPMENT PER CODE AND COORDINATE ALL DISCONNECT SWITCH REQUIREMENTS AND LOCATIONS WITH THE ELECTRICAL INSPECTOR, VENDORS APPROVED SHOP DRAWING AND FINAL EQUIPMENT LOCATIONS.
15. CONTRACTOR SHALL COORDINATE ALL LOCATIONS AND HEIGHTS OF STUB-UPS AND OUTLETS IN FIELD.
16. FINAL CONNECTIONS TO EQUIPMENT SHALL BE MADE ACCORDING TO VENDOR APPROVED SHOP DRAWINGS.
17. ALL WORK AND/OR EQUIPMENT INSTALLED OUTDOORS SHALL BE APPROVED FOR USE IN WET LOCATIONS.
18. ALL PARTS OF THE WORK AND ASSOCIATED EQUIPMENT SHALL BE TESTED AND ADJUSTED TO WORK PROPERLY AND BE LEFT IN PERFECT OPERATING CONDITION. THIS SHALL INCLUDE MEGGER TESTS BETWEEN PHASES AND BETWEEN EACH PHASE AND GROUND OF ALL FEEDERS, AND PANELBOARDS. FURNISH TEST RESULTS TO THE ELECTRICAL CONSULTING ENGINEER FOR REVIEW. CORRECT DEFECTS DISCLOSED BY THESE TESTS
19. PROVIDE ISOLATED GROUND TYPE OUTLETS WHERE INDICATED WITH AN "IG" SUBSCRIPT.
20. WALL-MOUNTED OUTLETS SHOULD BE MOUNTED AT STANDARD RECEPTACLE HEIGHT AS DEFINED FOR THIS PROJECT, UNLESS OTHERWISE NOTED.
21. ALL ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF LOS ANGELES RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE CITY OF LOS ANGELES, DEPARTMENT OF BUILDING AND SAFETY.
22. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE ABOVE ELECTRICAL EQUIPMENT.
23. ADEQUATE CLEARANCE AROUND AND ABOVE ELECTRICAL EQUIPMENT SHALL BE MAINTAINED PER CALIFORNIA ELECTRICAL CODE SECTION 110.26.
24. ALL GROUNDING ELECTRODES THAT ARE PRESENT AT EACH BUILDING AND STRUCTURE, INCLUDING THE PHOTOVOLTAIC SYSTEM, SHALL BE BONDED TOGETHER.
25. LIGHTING CONTROL DEVICES AND EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION.
26. FUSES SHALL BE PROVIDED WITH REJECTION TYPE FUSE HOLDERS. 6

# CONDUIT AND CIRCUIT WIRING NOTES

1. ALL CONDUIT AND CABLE "HOMERUNS" SHALL CONSIST OF A SINGLE CIRCUIT PER CONDUIT FOR THREE PHASE CIRCUITS, AND SINGLE PHASE CIRCUITS SERVED BY AN OVERCURRENT PROTECTIVE DEVICE (OCPD) IN EXCESS OF 20 AMPERES SINGLE POLE.
2. WHERE WIRE AND CONDUIT BRANCH CIRCUITS SHARE A CONDUIT HOMERUN, (OCPD LESS THAN OR EQUAL TO 20 AMPERES SINGLE POLE) THERE SHALL BE A MAXIMUM OF THREE CIRCUITS COMBINED IN A SINGLE RACEWAY TO THE PANELBOARD, UNLESS OTHERWISE NOTED. ALL CONDUCTORS SHALL BE DE-RATED PER CALIFORNIA ELECTRICAL CODE. COMBINING OF MULTIPLE HOMERUNS (MORE THAN THREE) IN A SINGLE CONDUIT IS NOT PERMITTED. SHARING OF NEUTRALS AND GROUNDING CONDUCTORS BETWEEN CIRCUITS IS NOT PERMITTED.
3. CONTRACTOR SHALL VERIFY PHASE LOAD BALANCING ON POWER PANELS UPON COMPLETION OF THE ELECTRICAL INSTALLATION. INCLUDE RE-DISTRIBUTION OF CIRCUITS WITHIN PANELS TO BALANCE WITHIN A 10% WINDOW (±5%).
4. UNLESS OTHERWISE NOTED ALL BRANCH CIRCUITS SHALL BE 20-AMPERE DEDICATED CIRCUITS WITH 3/4"C, #12, #12N, #12G MINIMUM.
5. ALL CIRCUITS TO HAVE BOTH CONDUCTORS AND GROUND WIRE HOMERUN TO SERVICE PANEL. OUTLETS SHALL NOT SHARE GROUNDING WIRES BETWEEN CIRCUITS.
6. ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL BE A MINIMUM SIZE OF AWG #12. METAL CLAD (MC) CABLING IS NOT PERMITTED
7. RIGID STEEL CONDUITS:
   - 7.1. USE FOR ALL SIZES WHERE DIRECTLY EXPOSED TO WEATHER; WHERE SUBJECT TO ABNORMAL CONDITIONS OF HEAT, COLD, MOISTURE, HUMIDITY, FUMES AND HAZARDOUS ELEMENTS; WHERE INSTALLED EXPOSED BELOW 7-1/2', IN AREAS WHERE SUBJECT TO MECHANICAL INJURY. USE FOR ALL CONDUIT IN ALL ELECTRICAL AND MECHANICAL EQUIPMENT ROOMS; FOR LOW VOLTAGE (UP TO 600 VOLTS) FEEDERS INSIDE OF BUILDING AND IN CONCRETE SLABS ON GRADE.
   - 7.2. FOR ALL BENDS IN CONDUITS 1-1/4" AND LARGER, USE LARGE RADIUS FACTORY MADE BENDS OR FIELD FABRICATE WITH A POWER BENDER.
8. ELECTRICAL METALLIC TUBING (EMT)
   - 8.1. USE FOR ALL SIZES UP TO AND INCLUDING 1-1/2" MAXIMUM TRADE SIZE IN DRY LOCATIONS AS IN STUD PARTITIONS AND FURRED CEILING SPACES.
   - 8.2. CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET TO PANEL EXCEPT WHERE RIGID STEEL CONDUITS ARE REQUIRED OR INDICATED.
   - 8.3. EMT SHALL NOT BE RUN EXPOSED. EMT SHALL NOT BE INSTALLED IN CONCRETE.
   - 8.4. EMT CONDUITS SHALL NOT BE USED FOR FEEDERS TO PANELBOARDS, MOTOR CONTROL CENTERS AND SWITCHBOARDS.
   - 8.5. EMT SHALL NOT BE USED IN MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS.
9. RIGID PLASTIC CONDUITS:
   - 9.1. ALL CONDUITS INSTALLED UNDERGROUND 10' OUTSIDE OF BUILDING LINES, EXCEPT SWEEPS AND RISERS SHALL BE PVC SCHEDULE 40, U.O.N.
   - 9.2. MAKE ALL FITTINGS IN PLASTIC CONDUITS WATERTIGHT WITH APPROVED SOLVENT-WELD CEMENT SPECIFICALLY MANUFACTURED FOR THE PURPOSE. APPLY HEAT FOR BENDS SO THAT CONDUIT DOES NOT DISTORT OR DISCOLOR. USE A SPRING MANDREL AS REQUIRED TO ASSURE FULL INSIDE DIAMETER AT ALL BENDS.
10. PVC JACKETED STEEL CONDUITS:
   - 10.1. USE FOR ALL SIZES IN SOIL BELOW THE BUILDING.
   - 10.2. FOR ALL BENDS IN CONDUITS 1-1/4" AND LARGER, USE LARGE RADIUS FACTORY MADE BENDS OR FIELD FABRICATE WITH A POWER BENDER.
11. WIRING IN ALL HAZARDOUS AREAS SHALL COMPLY WITH THE CODE PROVISIONS FOR SUCH AREAS. THIS INCLUDES ALL CONDUITS AND CONDUCTORS THAT PENETRATE THE BELOW SLAB METHANE MEMBRANE AND ALL CONDUITS AND CONDUCTORS WITHIN THE LABORATORY AND SPACES THAT UTILIZE HAZARDOUS AND/OR FLAMMABLE/EXPLOSIVE VAPORS, LIQUIDS, ETC. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR CLASSIFICATION BY CLASS, DIVISION OR ZONES AND GROUP. IF IN DOUBT REQUEST FURTHER INFORMATION. PROVIDE CONDUIT SEALS AT BOUNDARIES OF ALL HAZARDOUS AREAS.
12. MAXIMUM PERMITTED CROSS-SECTION FILL OF SEALS SHALL NOT EXCEED 25% OF THE CROSS-SECTIONAL AREA OF A CONDUIT OF THE SAME TRADE SIZE UNLESS SPECIFICALLY APPROVED.
13. ALL EMERGENCY AND EGRESS LIGHTING AND POWER CIRCUITS SHALL COMPRISE COMPLETELY INDEPENDENT RACEWAYS AND WIRING FROM THE NORMAL POWER CIRCUITS.
14. MINIMUM BRANCH CIRCUIT WIRE SIZES, 120V: RECEPTACLES AND OTHER 20A, SINGLE PHASE BRANCH CIRCUIT WIRE SIZES. CONTRACTOR TO FIELD VERIFY LENGTHS:
   - UP TO 90 FEET AT 120V USE #12 AWG MINIMUM.
   - LENGTHS EXCEEDING 90 FEET AT 120V USE # 10 AWG MINIMUM.
   - LENGTHS EXCEEDING 150 FEET AT 120V USE # 8 AWG MINIMUM.
   - LENGTHS EXCEEDING 230 FEET AT 120V USE # 6 AWG MINIMUM.
   - EXTERNAL WIRING USE # 10 AWG MINIMUM.

   SELECTION OF RECEPTACLES WITH ADEQUATELY SIZED CABLE TERMINATION TERMINALS IS THE RESPONSIBILITY OF THE CONTRACTOR.
15. ALL EXTERNAL LIGHTING CIRCUIT CONDUCTORS SHALL BE A MINIMUM OF #10 AWG.

# EQUIPMENT POWER

a. ______
b. KVA c. V d. P e. W
f. ______

EQUIPMENT CALLOUT
a. EQUIPMENT DESIGNATION
b. EQUIPMENT LOADING IN KVA OR HP
c. EQUIPMENT UTILIZATION VOLTAGE.
d. NUMBER OF POLES
e. NUMBER OF WIRES
f. RELEVANT NOTES

| | |
|---|---|
| --A<br>--P | (--A) DENOTES CONTINUOUS CURRENT RATING IN AMPS<br>(--P) DENOTES NUMBER OF SWITCHED POLES |
| | HARD WIRED CONNECTION TO FIXED EQUIPMENT OR PACKAGED UNIT (NON-MOTOR) |
| | HARD WIRED CONNECTION TO MOTORIZED EQUIPMENT (MOTOR / FAN / PUMP / FAN COIL UNIT) |
| 30A 3P | UL LISTED DISCONNECT (UNFUSED):<br>APPROVED FOR MOTOR USE AS APPLICABLE<br>MATCH VOLTAGE AND POLES TO EQUIPMENT<br>30A, 3 POLES, NEMA 1 U.O.N. |
| 30AS / 30AF | UL LISTED DISCONNECT (FUSED):<br>APPROVED FOR MOTOR USE AS APPLICABLE<br>--AS - DENOTES SWITCH RATING IN AMPS<br>--AF - DENOTES FUSE SIZE IN AMPS<br>MATCH VOLTAGE AND POLES TO EQUIPMENT. NEMA 1 U.O.N |
| 3R | PRE-WIRED UL LISTED MOTOR CONTROLLER (FURNISHED BY DIVISION 21, 22, 23 U.O.N) COMPLETE WITH INTEGRAL OVERLOAD PROTECTIVE DEVICE. 3R INDICATES NEMA SIZE, NEMA 1 U.O.N. |
| 3R | PRE-WIRED CONTROL PANEL (FURNISHED BY DIVISION 21, 22, 23 U.O.N.) COMPLETE WITH INTEGRAL DISCONNECT AND OVERLOAD PROTECTIVE DEVICES. 3R INDICATES NEMA SIZE, NEMA 1 U.O.N. |
| VFD 3R | UL LISTED VARIABLE FREQUENCY DRIVE (FURNISHED BY DIVISION 21, 22, 23 U.O.N.) COMPLETE WITH INTEGRAL DISCONNECT AND OVERLOAD PROTECTIVE DEVICES. 3R INDICATES NEMA SIZE, NEMA 1 U.O.N. |
| $ | HARD WIRED CONNECTION TO FIXED EQUIPMENT OR PACKAGED UNIT (NON-MOTOR) WITH TOGGLE SWITCH |
| $M | SINGLE PHASE MANUAL STARTER WITH OVERLOAD PROTECTION FOR FRACTIONAL HORSEPOWER MOTORS |
| --A / --P CB | CIRCUIT BREAKER IN NEMA TYPE 1 ENCLOSURE:<br>--A - DENOTES TRIP SETTING<br>--P - DENOTES POLES |
| L-1A<br>P-1A<br>Q-1A | PANEL BOARD<br>L - DENOTES LIGHTING AND MISCELLANEOUS 277V LOADS<br>P - DENOTES POWER AND 120/208V LOADS<br>Q - DENOTES EQUIPMENT AND/OR EXTERNAL SUPPLIES |
| | DRY TYPE ENERGY EFFICIENT TRANSFORMER PER SPECIFICATION:<br>30kVA AND LARGER SHALL BE FLOOR STANDING U.O.N.<br>115°C TEMPERATURE RISE U.O.N. AS 80°C ON SHEET E7.00<br>VOLTAGES AND kVA RATING - AS PER SHEET E7.00<br>K-RATING - STANDARD U.O.N. ON SHEET E7.00 |
| J EV | ELECTRIC VEHICLE CHARGING STATION<br>7.2kW, LEVEL II, 240VAC, 30A OUTPUT, SAE J1772 EV CONNECTOR (18')<br>208V, 30A, 2W + G INPUT<br>NEMA 3R FLOOR STANDING BOLLARD TYPE<br>AS PER SIEMENS OR APPROVED EQUAL<br>COMPLY WITH UL2594, UL2231-1, UL1998, CEC 2010 |

# DEFERRED SUBMITTALS

THE FOLLOWING ITEMS ARE DEFERRED. SEE CORRESPONDING SPECIFICATION SECTIONS. CONTRACTOR SHALL FURNISH A DESIGN/BUILD, CODE-COMPLYING, COMPLETE AND OPERATIONAL SYSTEM. CONTRACTOR MUST FURNISH DRAWINGS AND APPROPRIATE DISCONNECTING MEANS.

1. FIRE ALARM SYSTEM (SECTION 28 3111)
2. PHOTOVOLTAIC SYSTEM (SECTION 26 3100)

# WIRING DEVICES

| | |
|---|---|
| | 20A, 125V, DUPLEX RECEPTACLE, NEMA 5-20R |
| IG | 20A, 125V, ISOLATED GROUND, DUPLEX RECEPTACLE FOR TELECOM/ DATA EQUIPMENT, NEMA 5-20R |
| AV IG | 20A, 125V, ISOLATED GROUND, DUPLEX RECEPTACLE FOR AUDIO VISUAL EQUIPMENT, NEMA 5-20R |
| CM IG | 20A, 125V, CEILING MOUNTED, DUPLEX RECEPTACLE, NEMA 5-20R (IG DENOTES ISOLATED GROUND) |
| GFCI | 20A, 125V, DUPLEX RECEPTACLE, WITH GROUND FAULT CIRCUIT INTERRUPTER, NEMA 5-20R. |
| | 20A, 125V, COUNTERTOP MOUNTED, DUPLEX RECEPTACLE, NEMA 5-20R |
| GFCI | 20A, 125V, COUNTERTOP MOUNTED, DUPLEX RECEPTACLE, WITH GROUND FAULT CIRCUIT INTERRUPTER, NEMA 5-20R |
| R | 20A, 125V, DUPLEX RECEPTACLE, -MOUNTED ON RACK, NEMA 5-20R |
| | 20A, 125V, QUAD RECEPTACLE, NEMA 5-20R |
| IG | 20A, 125V, ISOLATED GROUND, QUAD RECEPTACLE, NEMA 5-20R |
| | SINGLE RECEPTACLE, 30A, 125V, 2P, 3W (GROUNDED), NEMA CONFIG. 5-30R |
| R | 30A, 125V, SIMPLEX RECEPTACLE, MOUNTED ON RACK, NEMA 5-30R |
| J | WALL / CEILING MOUNTED JUNCTION BOX. PROVIDE EXTENSION WHEN USED FOR FLEX CONNECTION. VERIFY LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION. WEATHERPROOF WHEN INSTALLED OUTSIDE. PROVIDE DISCONNECT SWITCH WHERE INDICATED OR REQUIRED BY CODE. |
| | 20A, 250V, 1Ø, 2P, 2W TWIST-LOCK RECEPTACLE.<br>NEMA CONFIGURATION TO BE COORDINATED WITH EQUIPMENT MANUFACTURER. |
| | 20A, 250V, 3Ø, 3P, 4W TWIST-LOCK RECEPTACLE.<br>NEMA CONFIGURATION TO BE COORDINATED WITH EQUIPMENT MANUFACTURER. |
| | 30A, 125V, 1Ø, 2P, 3W TWIST-LOCK RECEPTACLE.<br>NEMA L5-30R |
| | 30A, 250V, 1Ø, 2P, 3W TWIST-LOCK RECEPTACLE.<br>NEMA L6-30R |
| | MULTI-SERVICE 6-GANG FLOOR BOX WITH (2) DUPLEX RECEPTACLES, 20A, 125V, 2P, 3W, NEMA CONFIG. 5-20R AND (1) GANG DATA, (1) GANG SPARE (SEE T-SERIES SHEETS). INSTALL WITH FLOOR FINISH INSERT. AS LEGRAND EVOLUTION EFB6 SERIES OR APPROVED EQUAL |
| | (6) 20A, 125V, 2P, 3W NEMA 5-20R RECEPTACLE POWER CONNECTOR SUSPENDED FROM CEILING ABOVE VIA CHAIN & UMBILICAL -TYPE POWER CORD. PROVISION FOR DATA PORTS (SEE T-SERIES). AS PER NRTL LISTED EQUIVALENT OF HONEYWELL ACKERMANN.CO.UK "HANGMANN" |
| ER # | UL924 LISTED EMERGENCY LIGHTING RELAY MODULE WHERE # DENOTES EITHER (4) OR (8) INDEPENDENT 16A RELAY CHANNELS |

# SWITCH SCHEDULE

| CALLOUT | SYMBOL | NOTE 1 |
|---|---|---|
| 0-2 Hour Timer | $T | 0-2 HOUR DIGITAL TIMER SWITCH, SENSOR SWITCH PTS 60/710, OR EQUAL. |
| Photocell Sensor | PC | CEILING MOUNTED CLOSED LOOP DAYLIGHT SENSOR |
| Generic Switch | $ | STANDARD MAINS SWITCH |
| Low Voltage Switch | $LV | LOW VOLTAGE SWITCH. NUMBER OF PUSH BUTTONS AS REQUIRED |
| Occ Sensor (Low Voltage) | OS | OCCUPANCY SENSOR (CEILING MOUNTED AND WALL MOUNTED) |
| Threeway Switch | $3 | 3 WAY MAINS SWITCH |

# GENERAL SYMBOLS

| SYMBOL | DESCRIPTION |
|---|---|
| X | KEYNOTE IDENTIFIER<br>X - KEYNOTE NUMBER |
| X | REVISION CHANGE<br>X - DELTA NUMBER |
| X / EXXX | DETAIL/ENLARGED PLAN CALLOUT<br>X - DETAIL/REFERENCE#<br>EXXX - SHEET # |
| X / EXXX | SECTION IDENTIFIER<br>X - SECTION #<br>EXXX - SHEET # |

# CABLE AND CONDUIT

| | |
|---|---|
| HOT<br>NEUTRAL<br>GROUND<br>P-1A-3 | WHERE NO WIRE SIZE SHOWN, DEFAULT CIRCUIT HOMERUN INDICATES PANEL ORIGIN AND CIRCUIT NUMBER WITH:<br>• 3/4" CONDUIT, (1) #12 HOT PER CIRCUIT, (1) #12 NEUTRAL PER CIRCUIT AND (1) #12 GROUND PER CIRCUIT.<br>• PROVIDE ADDITIONAL (1) #12 ISOLATED GROUND FOR DEVICES INDICATED WITH "IG" |
| P-1A-3<br>3/4"C,1#8,#8N,#10G | DESIGNATED CIRCUIT HOMERUN INDICATES PANEL ORIGIN, CIRCUIT NUMBER AND CONDUIT AND WIRING SIZES. REFER TO PANEL SCHEDULES AS WELL |
| J | SHORT RADIUS ELBOW TURN-UP WITH INSIDE THREAD AND PLUG FLUSH WITH FLOOR. PROVIDE EXTENSION UP TO CAST JUNCTION BOX 6" A.F.F. U.O.N. ARROWS DENOTES CONNECTION TO DESIGNATION EQUIPMENT |
| | WIRING IN CONDUIT CONCEALED IN CEILING OR WALL |
| | WIRING IN CONDUIT CONCEALED UNDER FLOOR OR UNDERGROUND |
| | CONDUIT TURNING UP |
| | CONDUIT TURNING DOWN |
| | CONDUIT STUB WITH WIRE PULL AND CAP |
| CSB | CABLE SUPPORT BOX |
| | TELECOM CABLE TRAY, 8" WIDE X 2" DEEP, U.O.N.. COORDINATE LOCATION WITH DUCTWORK, PLUMBING, FIRE PROTECTION, ELECTRICAL, AND LIGHT FIXTURES |
| | WALL MOUNTED MULTI-SERVICE ALUMINUM RACEWAY COMPLETE WITH RECEPTACLES AND OUTLETS AS INDICATED ON THE PLANS. MOUNTED AT 42" AFFL TO BOTTOM OF RACEWAY, ANODIZED SATIN FINISH. AS PER LEGRAND DS4000 OR APPROVED EQUAL. FURNISH SAMPLE FOR ARCHITECT APPROVAL PRIOR TO ORDERING |

# SINGLE LINE DIAGRAM

| | |
|---|---|
| A | AMP METER |
| V | VOLT METER |
| #A #P ATS | AUTOMATIC TRANSFER SWITCH - #A DENOTES RATING, #P DENOTES NUMBER OF POLES |
| PB | PULL BOX SIZE PER CEC |
| G | GROUND FAULT TRIP UNIT |
| | TRANSFORMER WITH SECONDARY GROUND (SEE TRANSFORMER SCHEDULE) |
| --AS / --AF | SWITCH AND FUSE UNIT:<br>--AS - DENOTES SWITCH RATING IN AMPS<br>--AF - DENOTES FUSE SIZE IN AMPS |
| ST --A --P MCCB | MOLDED CASE CIRCUIT BREAKER (MCCB):<br>--A - DENOTES TRIP SETTING IN AMPS<br>--P - DENOTES NUMBER OF POLES<br>ST - DENOTES SHUNT TRIP |
| --AT / --AF<br>L S I G SOLID STATE TRIP | AIR INSULATED CIRCUIT BREAKER<br>--AT - DENOTES TRIP SETTING IN AMPS<br>--AF - DENOTES FRAME SIZE<br>DRAW-OUT TYPE WITH SOLID STATE TRIP:<br>(L)ONG TIME DELAY - OVERLOAD PROTECTION<br>(S)HORT TIME DELAY - SHORT CIRCUIT WITH DELAYED TRIP<br>(I)NSTANTANEOUS TRIP - SHORT CIRCUIT PROTECTION<br>(G)ROUND FAULT PROTECTION |
| M | CLASS 2000 DIGITAL kWH AND kW/DEMAND METER HOUSED IN MULTIPLE METER UNIT. REFER TO E7.03 AND SPECIFICATION 262713 FOR FURTHER DETAILS |
| | GROUNDING RODS TO ACHIEVE A MAXIMUM IMPEDANCE OF 5Ω TO GROUND PER SPECIFICATION 260526. RODS TO BE SPACED A MINIMUM OF 10' APART. QUANTITY AS REQUIRED TO ACHIEVE IMPEDANCE. |

# SCOPE OF WORKS - MAIN BUILDING

1. THE ELECTRICAL CONTRACTOR'S WORK SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: FURNISHING AND INSTALLATION OF ALL ELECTRICAL WORK AND EQUIPMENT DEPICTED ON THE DRAWINGS AND SPECIFICATION, INCLUDING ELECTRICAL AND COMMUNICATIONS OUTLETS IN WALLS AND FLOORS, LIGHTING FIXTURES WITH LAMPS, SWITCHES, LIGHTING CONTROL SYSTEMS, EMERGENCY BATTERY UNITS, SWITCH AND PANELBOARDS, ETC, AND ASSOCIATED BRANCH CIRCUIT WIRING, DISCONNECT SWITCHES, SPECIAL RECEPTACLES, ETC. ALL SPECIAL EQUIPMENT, SUCH AS FANS, AIR CONDITIONING UNITS, COPIERS, ETC. WILL BE FURNISHED BY OTHERS (U.O.N.). WHERE EQUIPMENT REQUIRES PERMANENT CONNECTIONS, THESE CONNECTIONS SHALL BE PROVIDED BY THE CONTRACTOR WITH APPROPRIATE DISCONNECTING MEANS.
2. OBTAIN ALL NECESSARY PERMITS AND APPROVAL FROM GOVERNING AUTHORITIES AND FILE ALL NECESSARY FORMS. PAY ALL INSPECTION FEES.

6

# SCOPE OF WORKS - SHELL SPACE FITOUT

1. FITOUT OF SHELL SPACE INCLUDING POWER AND LIGHTING. PV INVERTERS (PV IS DEFERRED APPROVAL BY OTHERS) MOVED FROM SITE TO MICROGRID ROOM. CENTRAL BATTERY MOVED FROM MAIN ELECTRICAL ROOM TO ELECTRICAL ROOM 516. ADDITION OF DISTRIBUTION BOARD DP-3. TRANSFORMER T-3A UPSIZED AND MOVED TO MAIN ELECTRICAL ROOM. TRANSFORMER T-3B, PANEL C-2A AND PANEL C-3A REMOVED. PANEL L-2A MOVED TO ELECTRICAL ROOM 516. DISCONNECT ADDED FOR CENTRAL BATTERY SYSTEM PER LADWP. SPARE CONDUITS ADDED FOR FUTURE EQUIPMENT BY OTHERS. LIGHTING AND POWER AMENDED IN EXHIBIT SPACE 209. PV FEEDERS REDUCED FROM TWO TO ONE VIA AC COMBINER BOX (BY OTHERS). PANELS P-3A AND P-3B UPSIZED. P-3B NOW FED FROM P-3A.

# COORDINATION NOTES

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES TO ENSURE INSTALLATION IS MADE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL EQUIPMENT LOCATIONS AND CONDUIT RUNS SUPPLIED AND/OR INSTALLED UNDER THIS SECTION TO AVOID CONFLICTS OR OBSTRUCTIONS TO OTHER TRADES.
2. CONTRACTOR SHALL PROVIDE ALL NECESSARY PULL BOXES, VERTICAL SUPPORT BOXES, AND CONDUIT OFFSETS REQUIRED TO ACCOMPLISH THE ABOVE NOTED COORDINATION AT NO ADDITIONAL COST TO THE OWNER, WHETHER OR NOT INDICATED ON PLANS. ALL VERTICAL SUPPORT BOXES, PULL BOXES, ETC. SHALL BE INSTALLED WHERE REQUIRED TO FACILITATE PULLS AND AT CODE REQUIRED INTERVALS, AT A MINIMUM.
3. REFER TO DIVISION 22 AND 23 DRAWINGS AND SCHEDULES FOR WORKS TO BE FURNISHED AND INSTALLED BY DIVISION 26 THAT ARE NOT SPECIFICALLY IDENTIFIED ON THE ELECTRICAL DRAWINGS. CONTRACTOR TO MAKE AN ALLOWANCE FOR PROVIDING 120V TO ALL BUILDING AUTOMATION NETWORK MANAGER CONTROL PANELS AND 24V NETWORK POWER SUPPLIES AS REQUIRED.
4. ALL PLUMBING AND HVAC (DIVISION 22 AND 23) EQUIPMENT COMPONENTS (FANS, COMPRESSORS, PUMPS, VFDs, MOTOR CONTROLLERS, STARTERS AND DISCONNECTS, ETC) THAT ARE REQUIRED AS PART OF THE SYSTEM AND THAT ARE NOT FACTORY PRE-WIRED ARE TO BE SUPPLIED (BY DIVISION 22 OR 23 U.O.N) AND INSTALLED BY DIVISION 26 U.O.N. IF THE VFD OR CONTROLLER IS NOT LOCATED WITHIN SIGHT OF A MOTOR, PROVIDE A SEPARATE BRANCH CIRCUIT MOTOR DISCONNECT AT THE MOTOR THAT IS APPROVED FOR MOTOR USE.
5. THE LOCATION OF DIVISION 27 AND 28 POWER REQUIREMENTS IS SHOWN FOR REFERENCE ONLY. REFER TO DIVISION 27 AND 28 DRAWINGS FOR EXACT LOCATIONS. MOUNT POWER ADJACENT TO DIVISION 27 AND 28 BOXES. WHERE POWER IS REQUIRED IN THE CEILING, PROVIDE 60" OF SLACK TO ALLOW FINAL SERVICE LOCATION TO BE COORDINATED WITH DIVISION 27 AND DIVISION 28 DEVICE LOCATIONS.
6. REFER TO DIVISION 27 AND DIVISION 28 DRAWINGS FOR CONDUIT, BOXES AND CABLE TRAY REQUIREMENTS.
7. ALL MOTORS SHALL BE PROVIDED WITH OVERLOAD PROTECTION IN ACCORDANCE WITH CALIFORNIA ELECTRICAL CODE SECTION 430.31, 430.32.

# ABBREVIATIONS

| | |
|---|---|
| 1-PH | SINGLE PHASE |
| 3-PH | THREE PHASE |
| 4-W | FOUR WIRE |
| A | AMPERES |
| AC | AIR CONDITIONER |
| AFCI | ARC FAULT CIRCUIT INTERRUPTER |
| AFFL | ABOVE FINISHED FLOOR LEVEL |
| AHU | AIR HANDLER UNIT |
| AIC | AMPERE INTERRUPTING CAPACITY RATING |
| ATS | AUTOMATIC TRANSFER SWITCH |
| AWG | AMERICAN WIRE GAUGE |
| BFG | BELOW FINISH GRADE |
| C | CONDUIT |
| CATV | CABLE ANTENNA TELEVISION SYSTEM |
| CB | CIRCUIT BREAKER |
| CCTV | CLOSED CIRCUIT TELEVISION |
| CEC | CALIFORNIA ELECTRICAL CODE |
| CKT | CIRCUIT |
| CO | CARBON MONOXIDE SENSOR |
| C.O. | CONDUIT ONLY |
| DF | DRINKING FOUNTAIN |
| (E) | EXISTING |
| EF | EXHAUST FAN |
| EL | ELEVATOR |
| E.C. | ELECTRICAL CONTRACTOR |
| E, EM | EMERGENCY |
| EMT | ELECTRICAL METALLIC TUBING |
| FA | FIRE ALARM |
| FACP | FIRE ALARM CONTROL PANEL |
| FBO | FURNISHED BY OTHERS |
| FIBO | FURNISHED AND INSTALLED BY OTHERS |
| FCU | FAN COIL UNIT |
| FL | FLOOR |
| FLA | FULL LOAD AMPERES |
| FSD | FIRE SMOKE DAMPER |
| FV | FLUSH VALVE |
| G.C. | GENERAL CONTRACTOR |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER |
| GRC | GALVANIZED RIGID STEEL CONDUIT |
| GRCP | GENERATOR REMOTE CONTROL PANEL |
| GRD | GROUND |
| HP | HORSEPOWER |
| IG | ISOLATED GROUND |
| INT | ADDRESSABLE FIRE ALARM RELAY MODULE |
| JB | JUNCTION BOX |
| kcmil | THOUSAND CIRCULAR MILS |
| kVA | KILOVOLT AMPERES |
| KW | KILOWATT |
| KX | KITCHEN EXHAUST |
| LBS | LOAD BREAK SWITCH |
| LTG | LIGHTING |
| LV | LOW VOLTAGE |
| LVR | LOW VOLTAGE RELAY |
| MCA | MINIMUM CIRCUIT AMPERES |
| MCB | MAIN CIRCUIT BREAKER |
| MCC | MOTOR CONTROL CENTER |
| MCCB | MOLDED CASE CIRCUIT BREAKER |
| MCP | MOTOR CONTROL PANEL |
| M.C. | MECHANICAL CONTRACTOR |
| MD | MOTORIZED DAMPER |
| MGB | MAIN GROUNDING BAR |
| MIN | MINIMUM |
| MLO | MAIN LUGS ONLY |
| MMU | MULTI METERING UNIT |
| MOCP | MAXIMUM OVERCURRENT PROTECTION |
| MSB | MAIN SWITCHBOARD |
| MTD | MOUNTED |
| (N) | NEW |
| N | NEUTRAL |
| N/A | NOT APPLICABLE |
| NEC | NATIONAL ELECTRICAL CODE |
| NEMA | NATIONAL ELECTRICAL MFG ASSOC. |
| NRTL | NATIONALLY RECOGNIZED TESTING LABORATORY |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| P | POLES |
| PB | PULL BOX |
| PH, Ø | PHASE |
| PV | PHOTOVOLTAIC |
| PVC | POLYVINYL CHLORIDE |
| PWR | POWER |
| PWCP | PRE-WIRED CONTROL PANEL |
| RFAP | REMOTE FIRE ALARM ANNUNCIATOR PANEL |
| RGB | REFERENCE GROUND BAR |
| SWBD | SWITCHBOARD |
| SF | SUPPLY FAN |
| SPD | SURGE PROTECTIVE DEVICE |
| SPDT | SINGLE POLE DOUBLE THROW |
| SPST | SINGLE POLE SINGLE THROW |
| SW | DISCONNECT SWITCH |
| SWGR | SWITCHGEAR |
| TBD | TO BE DETERMINED |
| T/C | TIME CLOCK |
| TC | TERMINAL CABINET |
| TEL | TELEPHONE |
| TGB | TELECOM GROUNDING BAR |
| TTB | TELEPHONE TERMINAL BOARD |
| TV | TELEVISION |
| TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSION |
| TX | TOILET EXHAUST FAN |
| TYP | TYPICAL |
| UG | UNDERGROUND |
| UGPS | UNDERGROUND PULL SECTION |
| U.O.N. | UNLESS OTHERWISE NOTED |
| V | VOLTS |
| VA | VOLT AMPERES |
| VAV | VARIABLE AIR VOLUME BOX |

| | |
|---|---|
| VD | VIDEO DISPLAY |
| VFD | VARIABLE FREQUENCY DRIVE |
| VT | VAPORTIGHT |
| W | WATTS |
| W/D | WASHER/DRYER |
| WM | WALL MOUNTED |
| WP | WEATHERPROOF |
| WT | WATERTIGHT |
| XFMR | TRANSFORMER |
| XP | EXPLOSION PROOF |


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Plan File #:G906

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| # | date | remarks |
|---|---|---|
| - | 03/15/2012 | 100% Schematic Design |
| - | 05/18/2012 | 100% DD |
| - | 06/22/2012 | 50% Const Documents |
| - | 06/29/2012 | Plan Check Sumbmittal |
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Drawn by:

Date issued: JUL 23, 2014

Project Number: 028776

Sheet Title:

ELECTRICAL GENERAL NOTES SYMBOLS & ABBREVIATIONS

Sheet Number:

# E0.00

| SYMBOL | CALLOUT | LAMP | LAMP WATTAGE | FIXTURE DESCRIPTION | BALLAST | MOUNTING | VOLTAGE |
|---|---|---|---|---|---|---|---|
| | P1 | T5 | (6)28W | PENDANT,THREE-LAMP, DIRECT/INDIRECT LINEAR FLUORESCENT FIXTURE | 0-10V DIMMING | PENDANT | 277 |
| | P2 | T5 | (3)28W | PENDANT,THREE-LAMP, DIRECT/INDIRECT LINEAR FLUORESCENT FIXTURE | 0-10V DIMMING | PENDANT | 277 |
| | P3 | LED | (1)45W | PENDANT CONTINUOUS ROW LED LIGHT FIXTURE WITH MICRO LENS DIFFUSER | HIGH FREQUENCY ELECTRONIC | PENDANT | 277 |
| | P4 | PAR30 MH | (2)70W | PENDANT TWIN HALOGEN LAMP WIDE BEAM SPOTLIGHT | LINE VOLTAGE | PENDANT | 277 |
| | P5 | T5HO | (1)80W | PENDANT LINEAR T5 FLUORESCENT LIGHT FIXTURE WITH SIDE DIFFUSERS | HIGH FREQUENCY ELECTRONIC | PENDANT | 277 |
| | P6 | LED | (1)25W | PENDANT LED WIDE ANGLE PROJECTOR LIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | PENDANT | 277 |
| | P7a | T5 | (4)14W & (4)21W | SUSPENDED CIRCULAR MULTI-LAMP FLUORESCENT FIXTURE WITH OPAL DIFFUSER AND WHITE FINISH | 0-10V DIMMING | PENDANT | 277 |
| | P7b | T5 | (2)14W, (4)21W & (4)28W | SUSPENDED CIRCULAR MULTI-LAMP FLUORESCENT FIXTURE WITH OPAL DIFFUSER AND WHITE FINISH | 0-10V DIMMING | PENDANT | 277 |
| | P7c | T5 | (4)14W, (2)21W & (8)28W | SUSPENDED CIRCULAR MULTI-LAMP FLUORESCENT FIXTURE WITH OPAL DIFFUSER AND WHITE FINISH | 0-10V DIMMING | PENDANT | 277 |
| | P8 | LED | (1) 93W | SUSPENDED DIRECT/INDIRECT PENDANT WITH 80% DIR/20% INDIR OPTICS | 0-10V DIMMING | PENDANT | 277 |
| | P9 | LED | (1) 47W | SUSPENDED DIRECT/INDIRECT PENDANT WITH 80% DIR/20% INDIR OPTICS | 0-10V DIMMING | PENDANT | 277 |
| | P10 | LED | (1) 66W LED | SUSPENDED INDIRECT PENDANT | 0-10V DIMMING | PENDANT | 277 |
| | P11 | LED | (1) 99W LED | SUSPENDED INDIRECT PENDANT | 0-10V DIMMING | PENDANT | 277 |
| | R1 | T5 | (2)24W | RECESSED INDIRECT FLUORESCENT LIGHT FIXTURE WITH PERFORATED CENTER BASKET | HIGH FREQUENCY ELECTRONIC | RECESSED | 277 |
| | R2 | CFL | (1)32W | RECESSED FLUORESCENT DOWNLIGHT FIXTURE WITH WHITE TRIM FLANGE | HIGH FREQUENCY ELECTRONIC | RECESSED | 277 |
| | R3 | LED | (1)20W | RECESSED LED DOWNLIGHT FIXTURE WITH WHITE TRIM PIECE | HIGH FREQUENCY ELECTRONIC | RECESSED | 277 |
| | R4 | LED | (1)45W | RECESSED CONTINUOUS ROW LED LIGHT FIXTURE WITH MICRO-LENS DIFFUSER | HIGH FREQUENCY ELECTRONIC | RECESSED | 277 |
| | R5 | BIAX FLUOR. | (2)40W | RECESSED INDIRECT FLUORESCENT LIGHT FIXTURE WITH PERFORATED CENTER BASKET | HIGH FREQUENCY ELECTRONIC | RECESSED | 277 |

| SYMBOL | CALLOUT | LAMP | LAMP WATTAGE | FIXTURE DESCRIPTION | BALLAST | MOUNTING | VOLTAGE |
|---|---|---|---|---|---|---|---|
| | R6 | T5 TWIN TUBE | (2)50W | DIMMABLE FLUORESCENT VIDEO CONFERENCE (VTC) INDIRECT FIXTURE | 0-10V DIMMING | RECESSED | 277 |
| | R7 | LED | (1)32W | DIMMABLE FLUORESCENT VIDEO CONFERENCE (VTC) INDIRECT FIXTURE | 0-10V DIMMING | RECESSED | 277 |
| | R8 | LED | (1)34W | DIMMABLE FLUORESCENT VIDEO CONFERENCE (VTC) INDIRECT FIXTURE | 0-10V DIMMING | RECESSED | 277 |
| | R9 | NOT USE | | | | | |
| | R10 | LED | (1) 36W LED | 2-1/4" WIDE 3-5/8" DEPTH 48" LENGTH RECESSED LINEAR LED WITH FROST LENS | 0-10V DIMMING | RECESSED | 277 |
| | S1 | T5HO | (1)54W | SURFACE MOUNTED LINEAR FLUORESCENT LIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | SURFACE | 277 |
| | S2 | TWIN TUBE FLUOR. | (2)13W | SURFACE MOUNTED, IMPACT RESISTANT LIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | SURFACE | 277 |
| | S3 | LED | (1)8W PER FT | SURFACE MOUNTED LED STRIPLIGHT FIXTURE WITH WHITE POWDER COATED FINISH | HIGH FREQUENCY ELECTRONIC | SURFACE | 120 |
| | S4 | LED | (1)13.14W | SURFACE MOUNTED LED LIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | SURFACE | 120 |
| | S5 | LED | (1)11W | SURFACE MOUNTED LED WIDE ANGLE SPOTLIGHT FIXTURE WITH SPREAD LENS | HIGH FREQUENCY ELECTRONIC | SURFACE | 120 |
| | S6 | LED | (1)5W PER FT | SURFACE MOUNTED LED STRIPLIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | SURFACE | 120 |
| | S7 | LED | (1)0.67W PER FT | SURFACE MOUNTED UNDER STEP LED LIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | SURFACE | 120 |
| n/a | S8 | T8 | - | COMBINED FIXTURE ARCHITECTURAL DETAIL ("SPIDER LIGHTS) INSTALLED WITHIN 102 - WAITING AREA AND 190 - CORRIDOR. REFER TO ARCHITECTURAL INFORMATION FOR MORE DETAILS | 0-10V DIMMING | SURFACE | 277 |
| | S9 | T8 | (1)59W | SURFACE MOUNTED LINEAR FLUORESCENT LIGHT FIXTURE | 0-10V DIMMING | SURFACE | 277 |
| | S10 | LED | 5W PER FT | SURFACE MOUNTED LINEAR LED IN STANDARD DIMENSIONS OF 1'-0" AND 4'-0", 249LMS/FT 3000K, 120DEGREE X 120DEGREE OPTICS | HIGH FREQUENCY ELECTRONIC INTEGRAL | SURFACE | 120 / 277 |
| | S11 | LED | 5.7W PER FT | 0.5" WIDE, 0.75" HIGH, LENGTH PER PLAN, ENCAPSULATED LED, 24V LED 3000K, REMOTE POWER SUPPLY LOCATED IN ACCESSIBLE LOCATION, ALUMINUM EXTRUSION MOUNTING | CLASS 2, REMOTE HPF ELECTRONIC POWER SUPPLY | SURFACE | 120 |

| SYMBOL | CALLOUT | LAMP | LAMP WATTAGE | FIXTURE DESCRIPTION | BALLAST | MOUNTING | VOLTAGE |
|---|---|---|---|---|---|---|---|
| | T1 | LED | (1)25W | TRACK MOUNTED LED WIDE ANGLE PROJECTOR LIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | SUSPENDED TRACK | 277 |
| | T2a | CDM-T | (1)70W | TRACK MOUNTED CDMT ACCENT LIGHTING DOWNLIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | RECESSED TRACK | 277 |
| | T2b | CDM-T | (1)150W | TRACK MOUNTED CDMT NARROW BEAM PROJECTOR LIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | RECESSED TRACK | 120 |
| | W1 | T5HO | (1)54W | WALL MOUNTED FLUORESCENT TASKLIGHT | HIGH FREQUENCY ELECTRONIC | WALL | 277 |
| | W2 | T5 | (1)28W | WALL MOUNTED FLUORESCENT FIXTURE WITH LINEAR PRYSMATIC ACRYLIC DIFFUSER | HIGH FREQUENCY ELECTRONIC | WALL | 277 |
| | X1 | LED | (1)5W | WALL RECESSED LED LIT EMERGENCY EXIT SIGNAGE LIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | WALL FLUSH | 277 |
| | X2 | LED | (1)5W | STEM SUSPENDED DOUBLE SIDED LED EXIT SIGNAGE LIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | SUSPENDED | 120 |
| | E3 | TWIN TUBE CFL | (1)28W | SURFACE MOUNTED LINEAR GROUND MOUNT LED FLUORESCENT FLUORESCENT FIXTURE WITH BOLLARD LIGHT FIXTURE WITH SATIN LENS DIFFUSER | HIGH FREQUENCY ELECTRONIC | GROUND MOUNTED | 277 |
| | E4 | PAR20 | (1)50W | WALL MOUNTED HALOGEN BURGLAR FLOODLIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | GROUND MOUNTED RECESSED | 120 |
| | E5 | TWIN TUBE CFL | (1)26W | SURFACE MOUNTED IMPACT RESISTANT FLUORESCENT LIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | WALL | 277 |
| | E6 | LED | (1)5W PER FT | SURFACE MOUNTED CONTINUOUS FLEXIBLE LED LIGHT FIXTURE | REMOTE ELECTRONIC BALLAST | SURFACE | 120 |
| | E7a | T5 | (1)39W | SURFACE MOUNTED FLUORESCENT SIGNAGE LIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | SURFACE | 277 |
| | E7b | T5 | (1)28W | SURFACE MOUNTED FLUORESCENT SIGNAGE LIGHT FIXTURE | HIGH FREQUENCY ELECTRONIC | SURFACE | 277 |
| | E8 | T5 | (2)28W | SUSPENDED LINEAR FLUORESCENT LIGHT FIXTURE WITH SATIN LENS DIFFUSER | HIGH FREQUENCY ELECTRONIC | PENDANT | 277 |

## GENERAL NOTES

1. ALL LIGHTING FIXTURES DENOTED BY THE LETTER "E" ON THE PLANS ARE EMERGENCY / EGRESS FIXTURES PROVIDED WITH A MINIMUM OF 90min BACK-UP POWER FROM THE STATIC BATTERY INVERTER "CB-1" LOCATED IN ELECTRICAL ROOM 504.
2. ALL EXTERIOR LUMINAIRES SHALL BE SHIELDED OR BE CUTOFF AS DEFINED IN SECTION 132(b) OF THE CALIFORNIA ENERGY CODE.


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| - | 06/22/2012 | 50% Const Documents |
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| - | 07/31/2012 | 95% Const Documents |
| - | 11/16/2012 | Bid Set |
| - | 07/15/2013 | Permit Set |
| 5 | 06/06/2014 | Plan Revisions |
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| - | - | - |
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Drawn by:

Date issued: JUL 23, 2014

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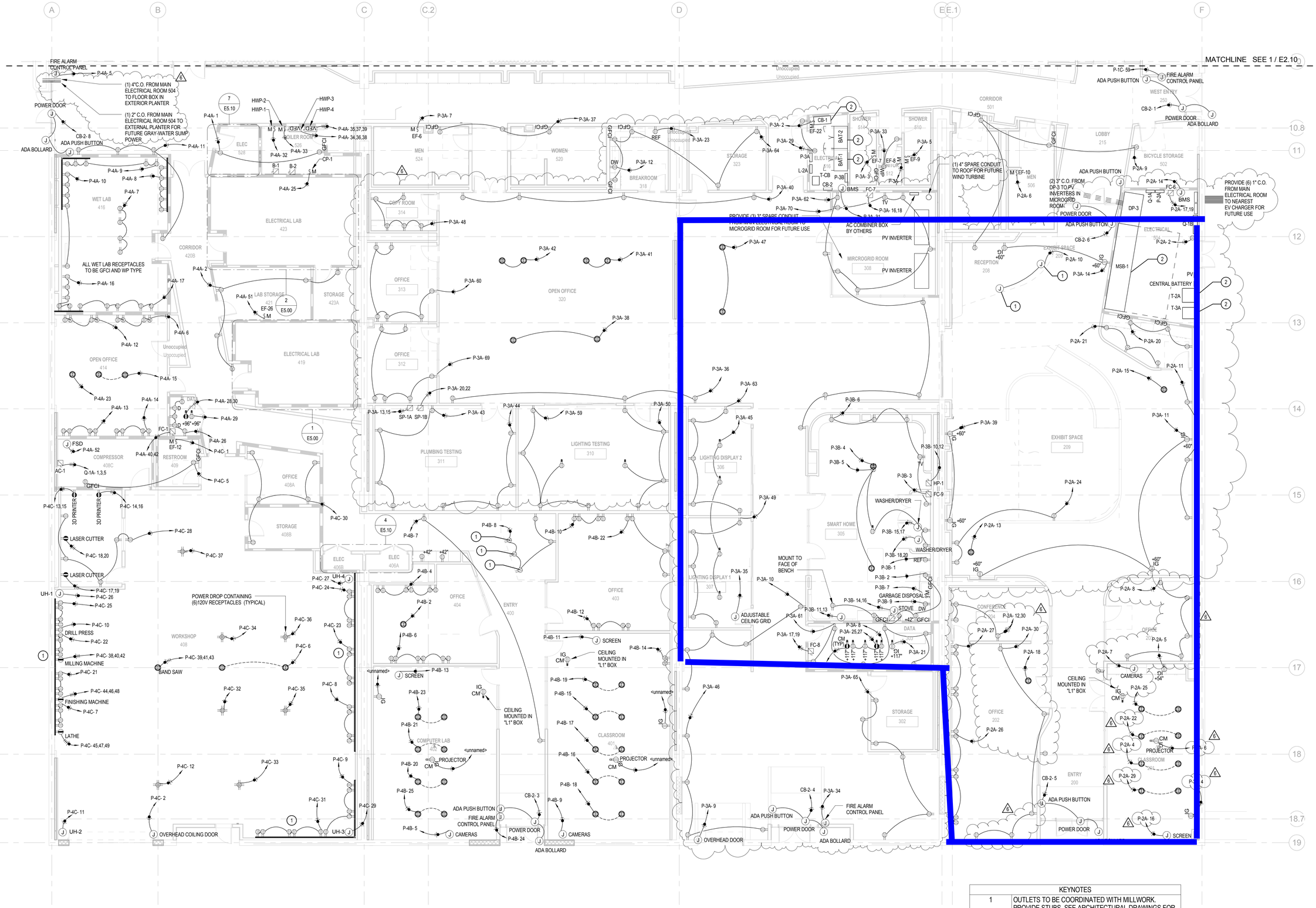
Sheet Title:

LIGHT FIXTURE SCHEDULE

Sheet Number:

E0.01




1 WEST POWER FLOOR PLAN
1/8" = 1'-0"

| KEYNOTES | |
|---|---|
| 1 | OUTLETS TO BE COORDINATED WITH MILLWORK. PROVIDE STUBS. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. |
| 2 | PROVIDE CONCRETE HOUSEKEEPING PAD PER SPECIFICATIONS. ALLOW PROVISIONS FOR SEISMIC BRACING AS REQUIRED. |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REGISTERED PROFESSIONAL ENGINEER NICHOLAS STRATMAN No. E20294 Exp. 12/31/14 ELECTRICAL STATE OF CALIFORNIA

**LA KRETZ INNOVATION CAMPUS**
525 South Hewitt Street
Los Angeles, California 90013

Work Order #:E1907574
Plan File #:G906

**OWNER**
**Los Angeles Department of Water and Power**
**111 North Hope Street**
**Los Angeles, CA 90012**
**Telephone: 213.367.4211**

Revisions:

| # | date | remarks |
|---|---|---|
| | 07/03/2013 | Permit Set |
| 1 | 08/07/2013 | Bulletin #1 |
| 4 | 05/29/2014 | Plan Revisions |
| 6 | 07/23/2014 | Bulletin #2 |


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Drawn by:

Date issued: AUGUST 07, 2013

Project Number: 028776

Sheet Title:
ELECTRICAL WEST FLOOR PLAN

Sheet Number:
E2.11

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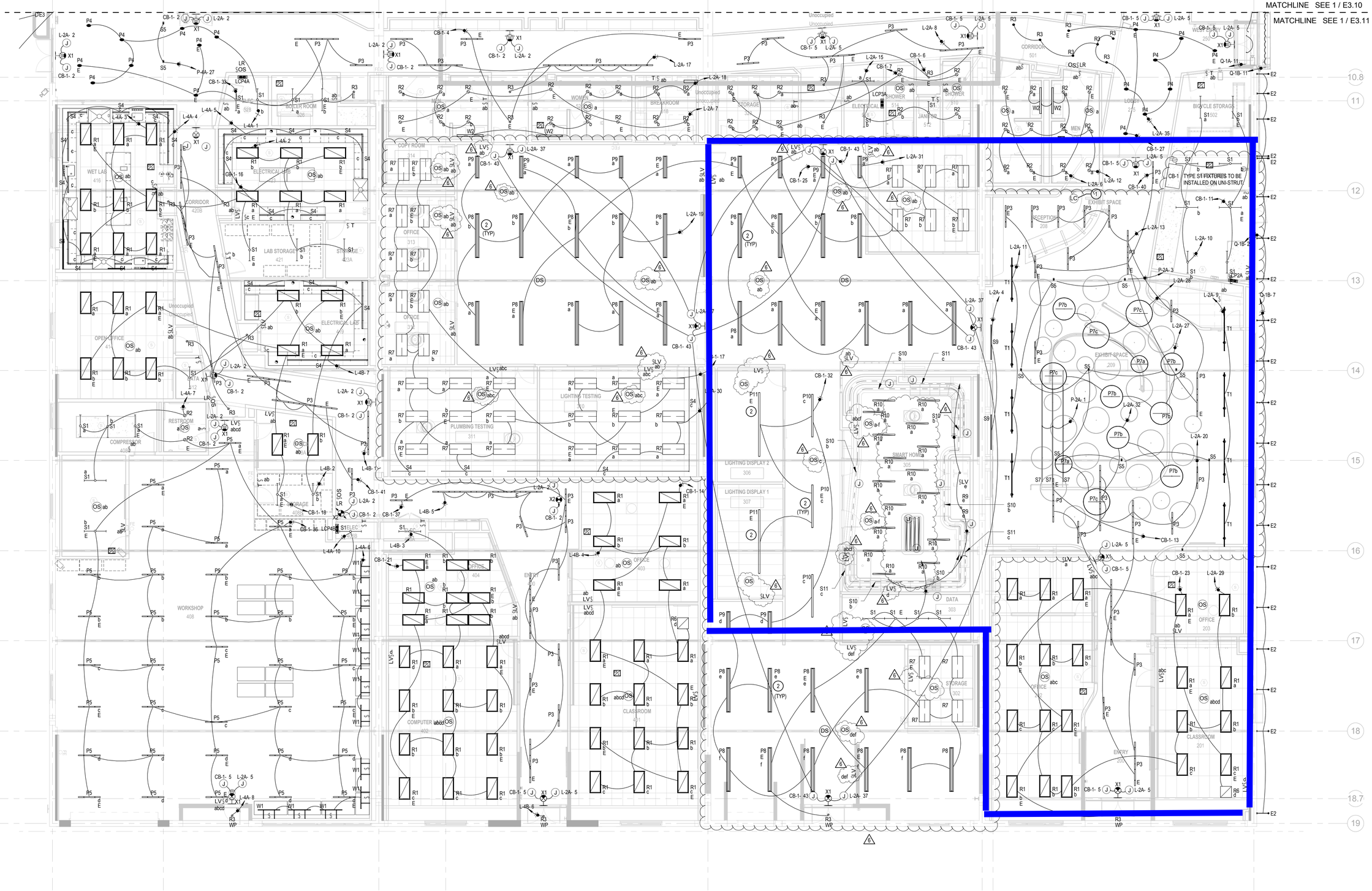


1 TI - WEST LIGHTING FLOOR PLAN
1/8" = 1'-0"


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Sheet Title:

LIGHTING WEST FLOOR PLAN

Sheet Number: 5

# E3.11A

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