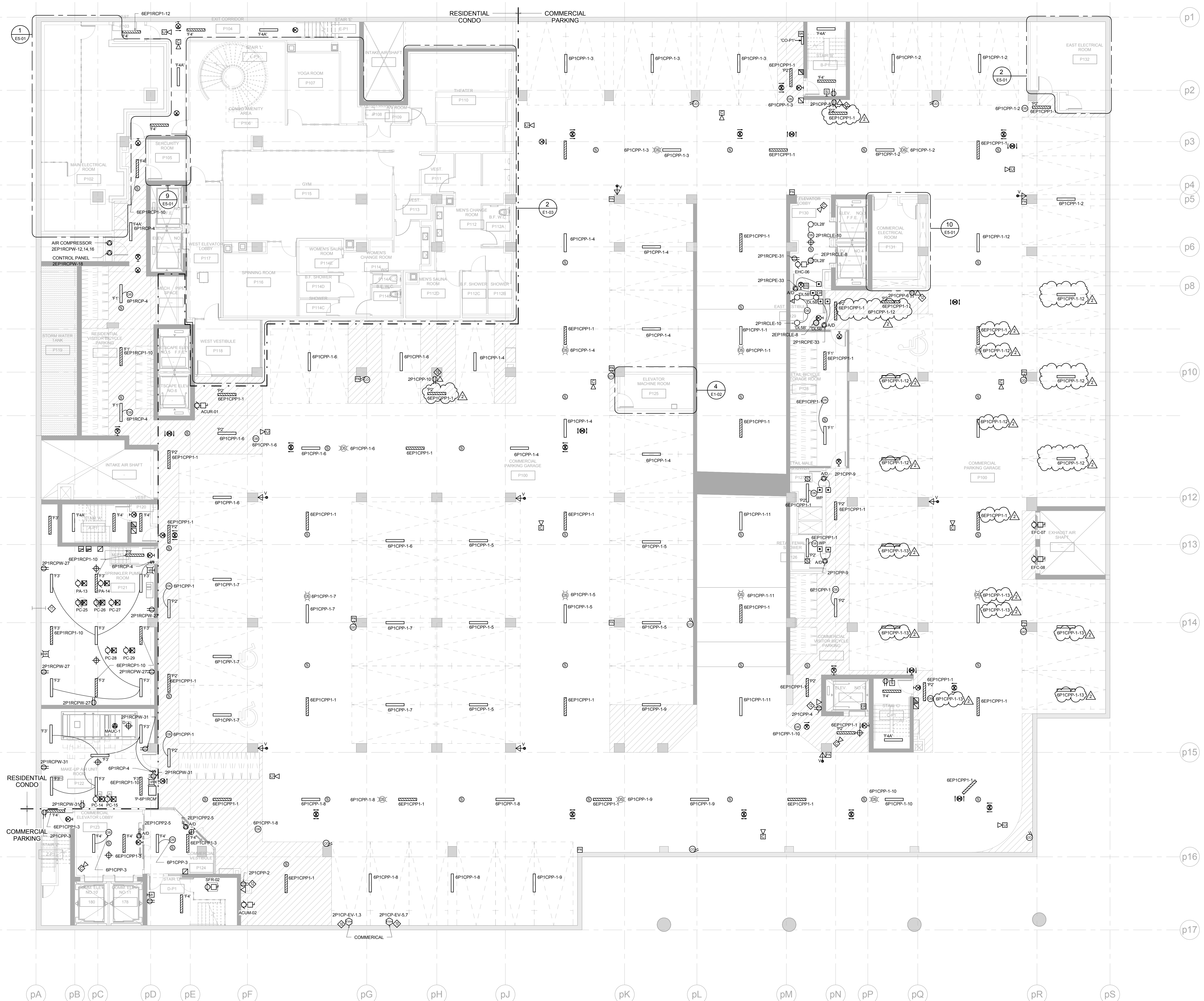
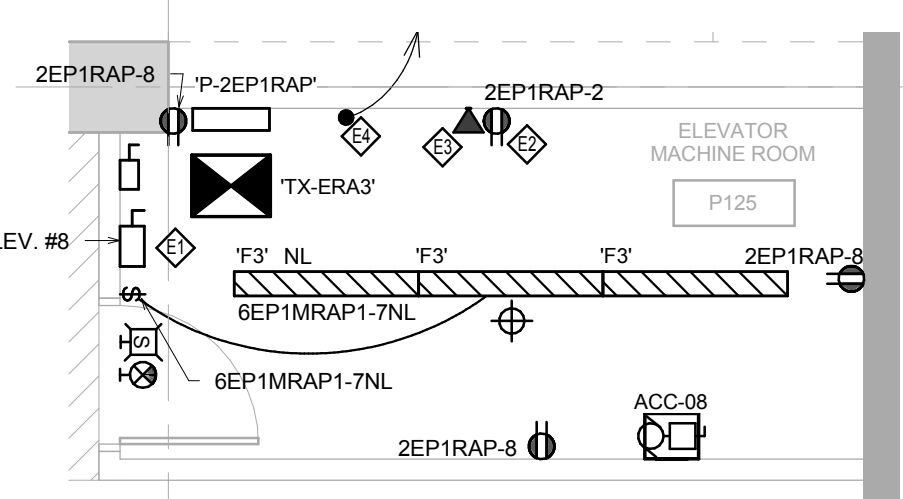


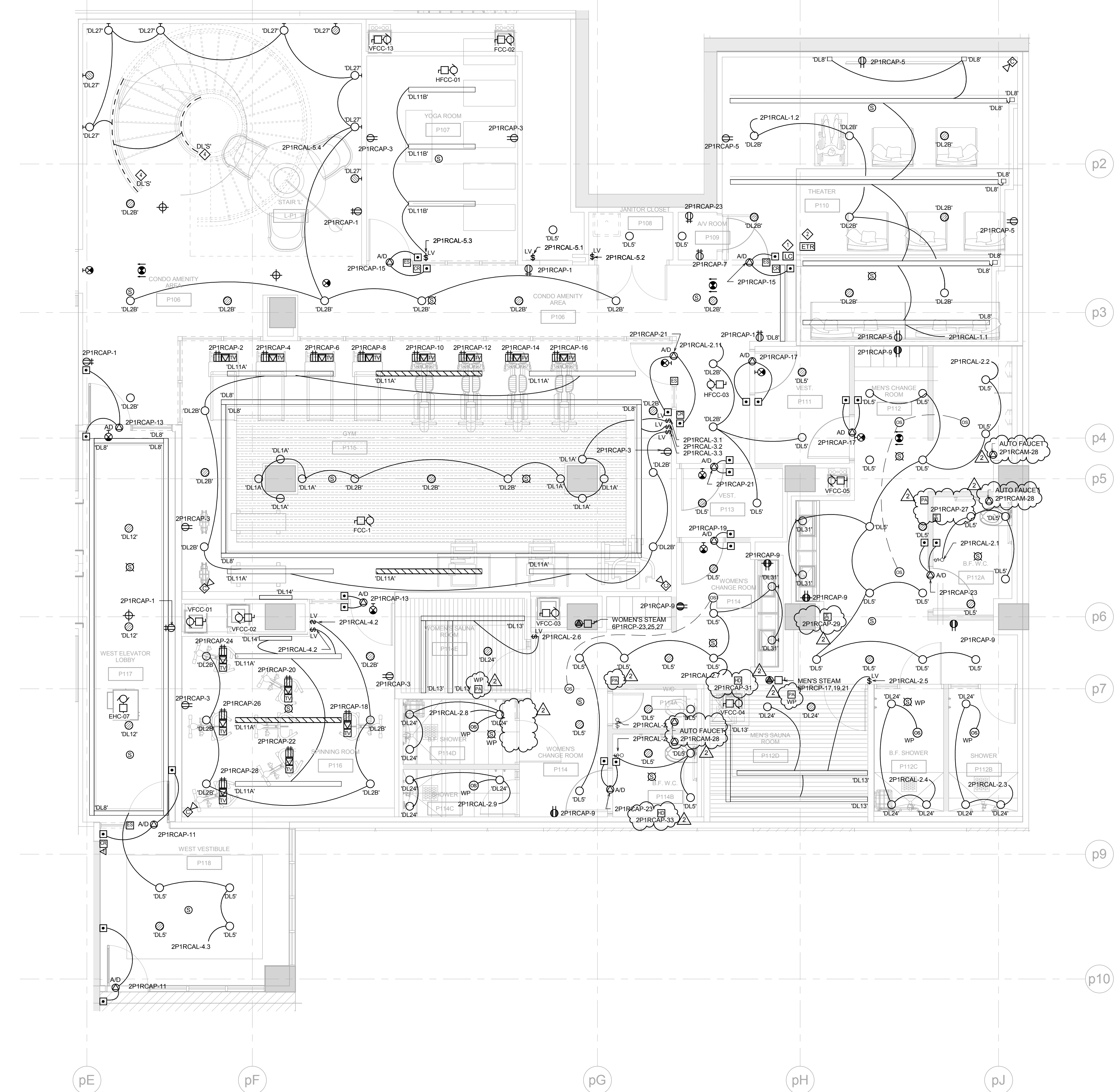


2 LEVEL P1 - ELECTRICAL
1 : 100



4 ELEVATOR MACH. ROOM P125 (ARTSCAPE)

- ### ELEVATOR MACHINE ROOM NOTES:
- ◆ PROVIDE DISCONNECT SWITCH FOR ELEVATOR MOTOR. WAX AUXILIARY CONTACT WITH KIRKING CO. COORDINATE ORDER TO SINGLE DIAGRAM FOR FEEDER SIZE. FUSE TO BE PROVIDED AS PER ELEVATOR SHOP.
 - ◆ DEDICATE GFI RECEPTACLE NEXT TO CONTROL CABINET. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR ON SITE.
 - ◆ ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL EMPTY CONDUIT CW PULL WIRE FROM MAIN TELECOMMUNICATIONS ROOM FOR A DEDICATED ELEVATOR LINE TERMINATING IN THE PRIMARY ELEVATOR SIGNAL CONTROL CABINET FOR EMERGENCY CALL SYSTEM.
 - ◆ CONDUIT TO PLYWOOD BACKSPOUR FOR SECURITY SERVICE.



NOTES:

1. LOCAL LIGHTING CONTROL WITH VACANCY SENSOR - WATTSTOPPER OR EQUIVALENT LSW-105 SCENE SWITCH WITH DIMMING; ROOM CONTROLLER UMRC-212, D128 & D18 SHALL BE DIMMED SEPARATELY.
2. EMERGENCY TRIPPING RELAY TO BE PROVIDED WHEN THE NORMAL POWER FAILS.
3. ALL THE EMERGENCY LIGHTING FIXTURES ARE FED FROM PANEL 2P1RC1LW-7, UNLESS OTHERWISE NOTED.
4. TYPE (DL S) LIGHTING FIXTURE AT US OF STAIR STRINGER, REFER TO INTERIOR DESIGN DRAWING FOR DETAIL.

Contractor Must Check And Verify All Dimensions On The Job.
Do Not Scale The Drawings.
All Drawings, Specifications And Related Documents Are The Copyright Of The Architect And Must Be Returned Upon Request.
Reproduction Of Drawings, Specifications And Related Documents In Part Or Whole Is Forbidden Without The Architects Written Permission.
This Drawing Is Not To Be Used For Construction Until Signed By The Architect.
Date: 03/06/15



MCW
MCW Consultants Ltd.
 207 Queen's Quay West, Suite 615, Toronto, ON, M5J 1A1
 E-Mail: mcw_spr@mow.com www.mow.com
 Tel: 416-598-2920 Fax: 416-598-5394
 Toronto Vancouver Winnipeg Moncton Ottawa Halifax
 Dauphin Kelowna Trail Saint John

No.:	Revision	Date
1	ISSUED FOR ADD E-001	2015/12/1
2	ISSUED FOR ADD E-002	2016/01/0

3		
2	ISSUED FOR TENDER	2015-10-3
1	BUILDING PERMIT SUBMISSION	2015-08-5
No	Issued For	Date

AQUAVISTA
AT BAYSIDE TORONTO

Drawing Title

LEVEL P1 MEZZANINE
PARKING PLAN
AMENITY - LEVEL P1
ELECTRICAL

Project

Hines **TRIDEL**
AQUAVISTA
Block 3 - R3 & R4

Queen's Quay East

As indicated

Drawn 1

Author _____

Checker

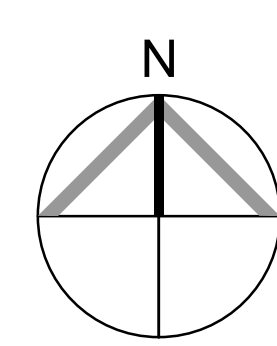
Project N

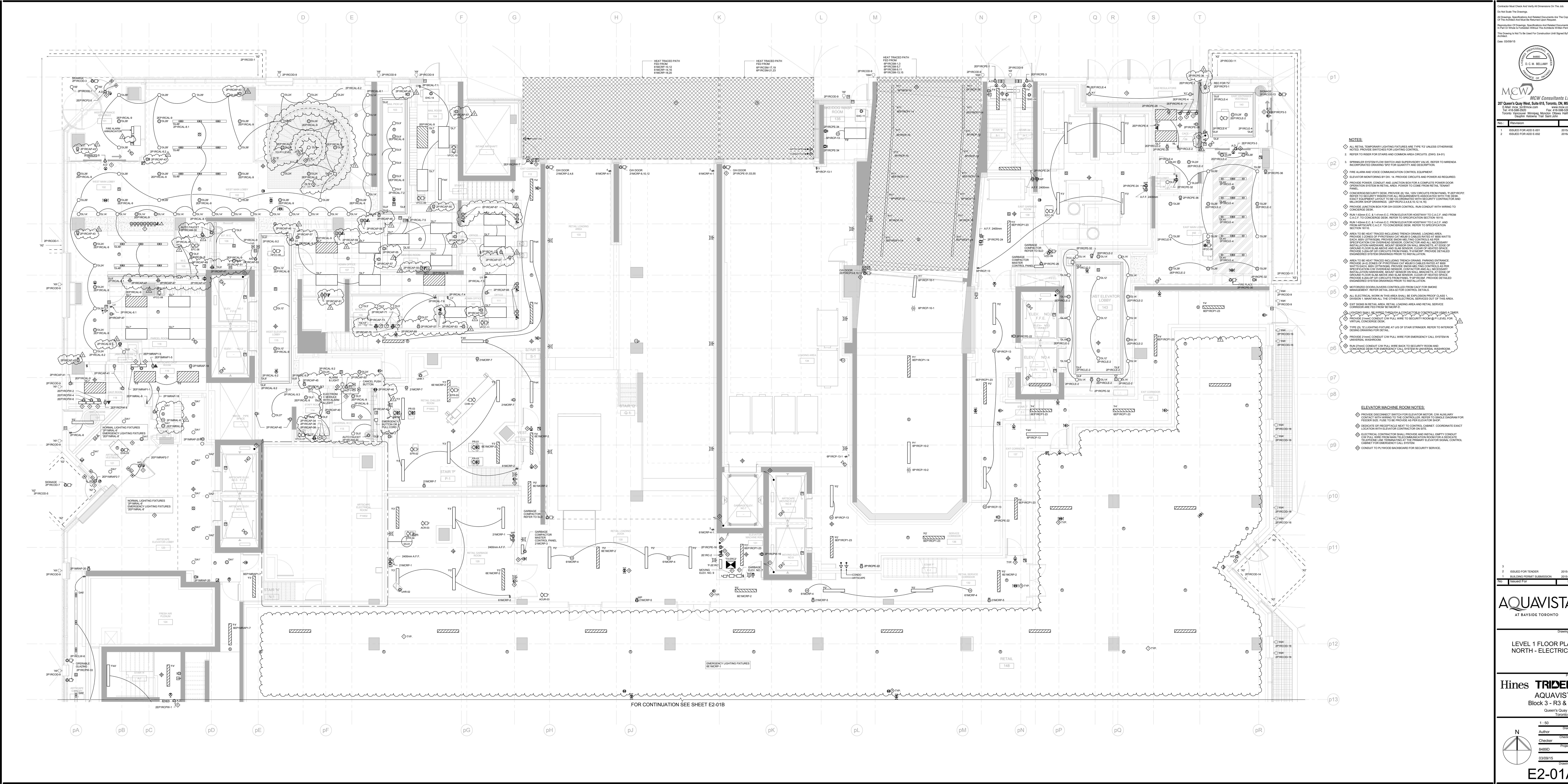
03/08/15

Drawing N

E1-03

L1-03





3

2

1

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

346

347

348

349

350

351

352

353

354

355

356

357

358

359

360

361

362

363

364

365

366

367

368

369

370

371

372

373

374

375

376

377

378

379

380

381

382

383

384

385

386

387

388

389

390

391

392

393

394

395

396

397

398

399

400

401

402

403

404

405

406

407

408

409

410

411

412

413

414

415

416

417

418

419

420

421

422

423

424

425

426

427

428

429

430

431

432

433

434

435

436

437

438

439

440

441

442

443

444

445

446

447

448

449

450

451

452

453

454

455

456

457

458

459

460

461

462

463

464

465

466

467

468

469

470

471

472

473

474

475

476

477

478

479

480

481

482

483

484

485

486

487

488

489

490

491

492

493

494

495

496

497

498

499

500

501

502

503

504

505

506

507

508

509

510

511

512

513

514

515

516

517

518

519

520

521

522

523

524

525

526

527

528

529

530

531

532

533

534

535

536

537

538

539

540

541

542

543

544

545

546

547

548

549

550

551

552

553

554

555

556

557

558

559

560

561

562

563

564

565

566

567

568

569

570

571

572

573

574

575

576

577

578

579

580

581

582

583

584

585

586

587

588

589

590

591

592

593

594

595

596

597

598

599

600

601

602

603

604

605

606

607

608

609

610

611

612

613

614

615

616

617

618

619

620

621

622

623

624

625

626

627

628

629

630

631

632

633

634

635

636

637

638

639

640

641

642

643

644

645

646

647

648

649

650

651

652

653

654

655

656

657

658

659

660

661

662

663

664

665

666

667

668

669

670

671

672

673

674

675

676

677

678

679

680

681

682

683

684

685

686

687

688

689

690

691

692

693

694

695

696

697

698

699

700

701

702

703

704

705

706

707

708

709

710

711

712

713

714

715

716

717

718

719

720

721

722

723

724

725

726

727

728

729

730

731

732

733

734

735

736

737

738

739

740

741

742

743

744

745

746

747

748

749

750

751

752

753

754

755

756

757

758

759

760

761

762

763

764

765

766

767

768

769

770

771

772

773

774

775

776

777

778

779

780

781

782

783

784

785

786

787

788

789

790

791

792

793

794

795

796

797

798

799

800

801

802

803

804

805

806

807

808

809

810

811

812

813

814

815

816

817

818

819

820

821

822

823

824

825

826

827

828

829

830

831

832

833

834

835

836

837

838

839

840

841

842

843

844

845

846

847

848

849

850

851

852

853

854

855

856

857

858

859

860

861

862

863

864

865

866

867

868

869

870

871

872

873

874

875

876

877

878

879

880

881

882

883

884

885

886

887

888

889

890

891

892

893

894

895

896

897

898

899

900

901

902

903

904

905

906

907

908

909

910

911

912

913

914

915

916

917

918

919

920

921

922

923

924

925

926

927

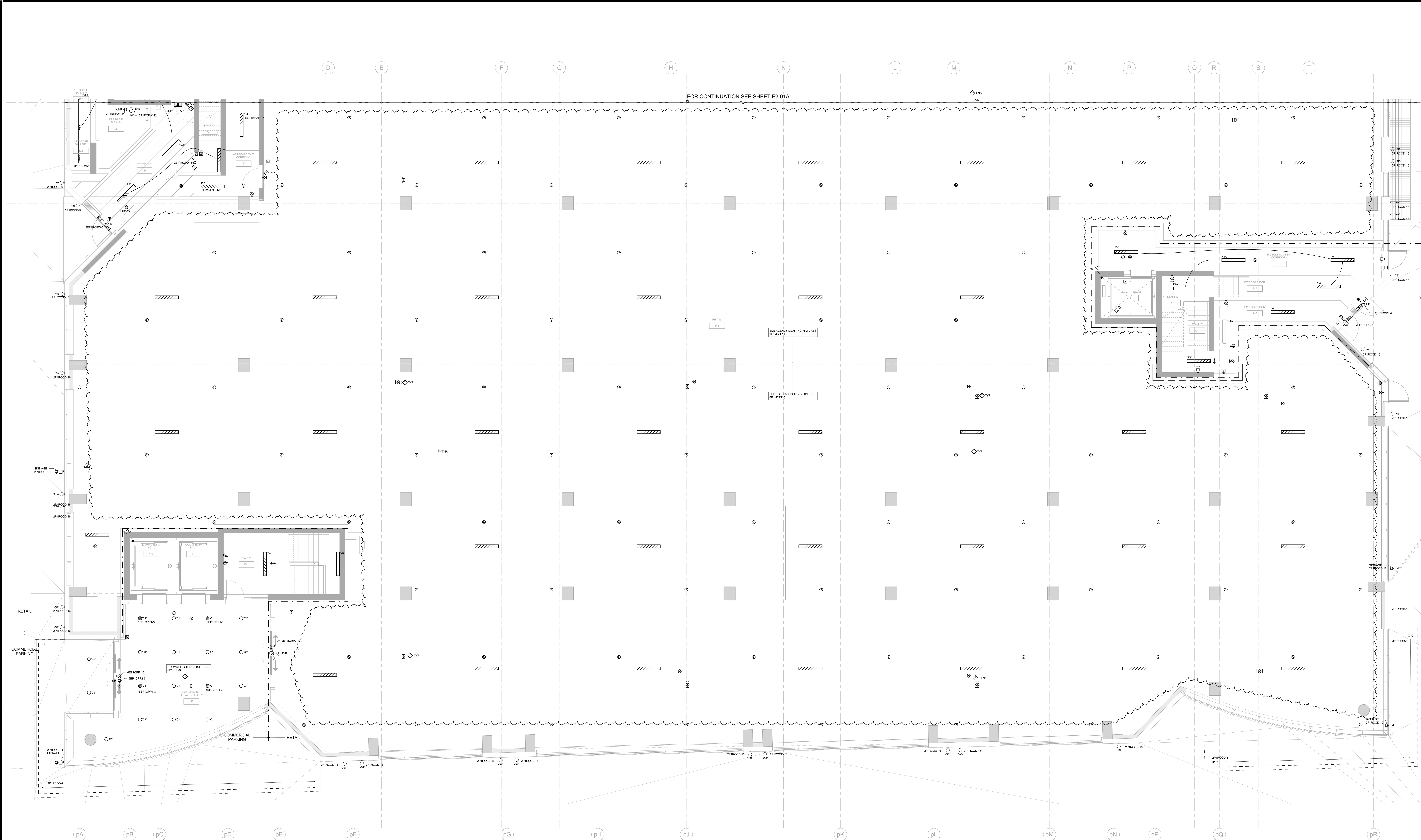
928

929

930

931

932



- NOTES:
- 1. ALL RETAIL TEMPORARY LIGHTING FIXTURES ARE TYPE 'T' UNLESS OTHERWISE NOTED. PROVIDE SWITCHES FOR LIGHTING CONTROL.
 - 2. REFER TO NOTES FOR STAIRS AND COMMON AREA CIRCUITS. (DWG. E4-01)
 - 3. SPRINKLER SYSTEM FLOW SWITCH AND SUPERVISORY VALVE. REFER TO MIRENDA INCORPORATED DRAWING 'SP' FOR QUANTITY AND DESCRIPTION.
 - 4. PROVIDE POWER, CONDUIT AND JUNCTION BOX FOR A COMPLETE POWER DOOR OPERATION SYSTEM.
 - 5. RUN 1.6mm E.C. & 1.4mm E.C. FROM ELEVATOR HOISTWAY TO C.A.C.F. AND FROM C.A.C.F. TO CONCOURSE LEVEL. REFER TO SPECIFICATION SECTION 18.10.
 - 6. MOTORIZED DOOR OVERLAYS CONTROLLED FROM CACF FOR SMOKE MANAGEMENT.
 - 7. EXIT SIGNS IN RETAIL AREA, RETAIL LOADING AREA AND RETAIL SERVICE CORRIDOR ARE FED FROM THE TMRP-S.
 - 8. LIGHTING SHALL BE WIRED THROUGH A CONTACTOR & CONTROLLER USING A TIMER.

Contractor Must Check And Verify All Dimensions On The Job.
Do Not Print This Drawing.
All Drawings, Specifications And Related Documents Are The Copyright Of The Architect And Shall Be Returned Upon Request.
Reproduction Of Drawings, Specifications And Related Documents In Part Or Whole Is Prohibited Without The Architect's Written Permission.
This Drawing Is Not To Be Used For Construction Until Signed By The Architect.
Date: 03/09/15

MCW Consultants Ltd.
207 Queen's Quay West, Suite 615, Toronto, ON, M5J 1A7
Tel: 416-598-2500 Fax: 416-598-0384
Toronto, Vancouver, Winnipeg, Montreal, Ottawa, Halifax, Dauphin, Kelowna, Trail, Salt Lake City

No.	Revision	Date
1	ISSUED FOR ADD E-001	2015/07/16
2	ISSUED FOR ADD E-002	2016/01/05

3 ISSUED FOR TENDER 2015-10-30
2 BUILDING PERMIT SUBMISSION 2015-08-12
1 ISSUED FOR CONSTRUCTION 2015-07-16

AQUAVISTA
AT BAYSIDE TORONTO

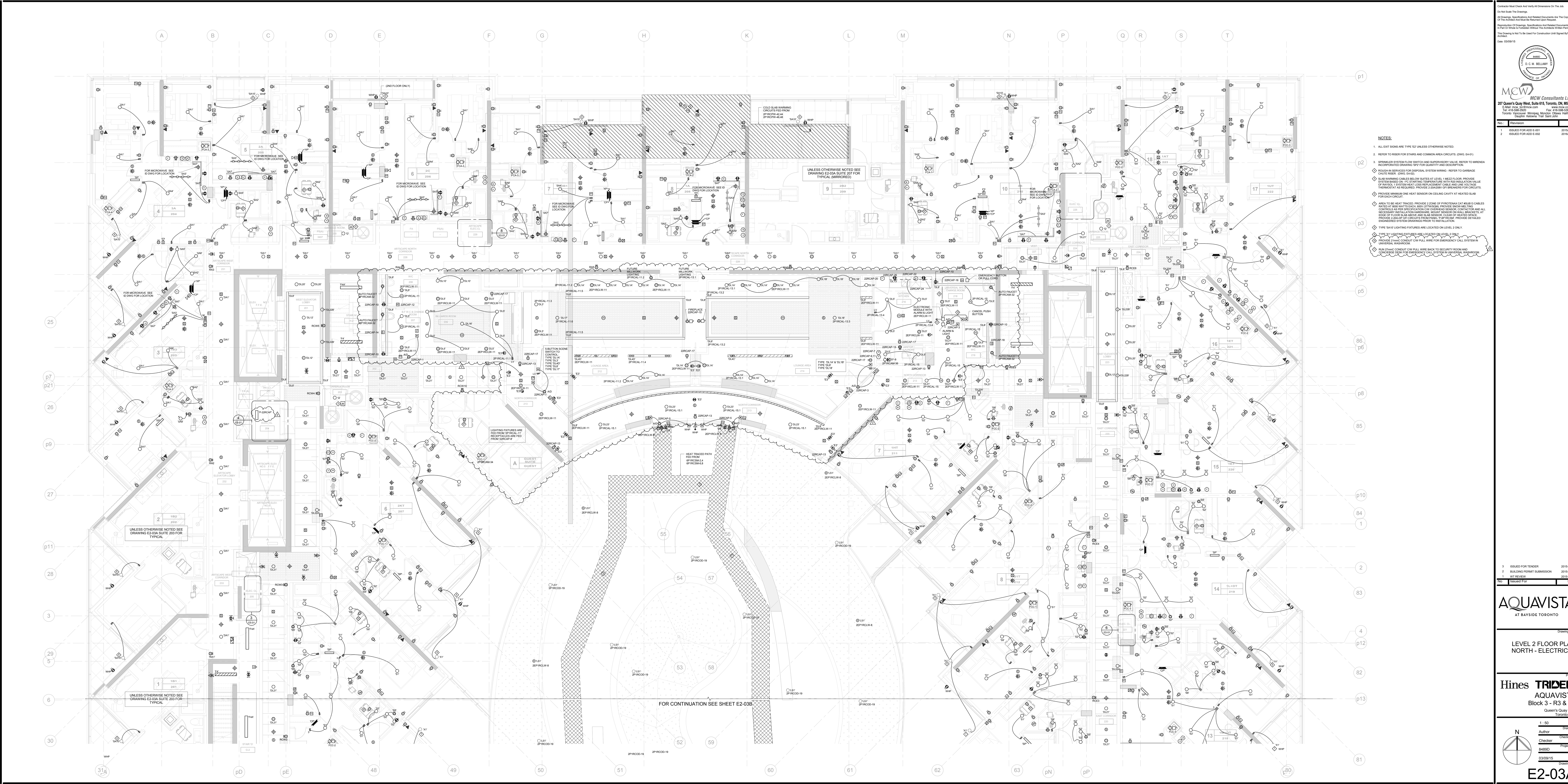
Drawing 156

LEVEL 1 FLOOR PLAN
SOUTH - ELECTRICAL

Project
Hines TRIDEL
AQUAVISTA
Block 3 - R3 & R4
Queen's Quay East
Toronto, ON, M5J 1A7

1:50
Author
Checked by
Checker
84890
03/09/15
Date
Drawing No.

E2-01B



- NOTES:**
1. ALL EXIST SKINS ARE TYPE 12' UNLESS OTHERWISE NOTED.
 2. REFER TO RISER FOR STAIRS AND COMMON AREA CIRCUITS. (DWG. E4-01)
 3. SPRINKLER SYSTEM FLOW SWITCH AND SUPERVISORY VALVE REFER TO MIRENDA INCORPORATED DRAWING 307 FOR QUANTITY AND DESCRIPTION.
 4. SMOKE IN SERVICES FOR DISPOSAL SYSTEM WIRING - REFER TO GARBAGE DATE RISER. (DWG. E4-02)
 5. SLAB WARNING CABLES BELOW SUITES AT LEVEL 1 MEZZ FLOOR. PROVIDE SYSTEM BASED ON ITS STARTING TEMPERATURE WITH INSULATION VALUE OF RAYONOL SYSTEM HEAT LOSS REPLACEMENT CABLE AND LINE VOLTAGE. THERMOCUT AS REQUIRED. PROVIDE L250MM ON DISCRETS FOR CIRCUITS.
 6. PROVIDE MINIMUM ONE HEAT SENSOR ON CEILING CAVITY AT HEATED SLAB FOR EACH CIRCUIT.
 7. WICA TYPE HEAT TRACED PROVIDE 2 ZONE 30' PROTECTION AT #801 CHASES RATED AT 800 WATTS EACH. BODY (270/200) PROVIDE SMOKE DETECTING CONTROL 4.40 PER SPECIFICATION FOR COW DURING SENSING. CONTRACTOR AND ALL NECESSARY INSTALLATION HARDWARE. MOUNT SENSOR ON WALL BRACKETS AT SIDE OF FLOOR SLAB ABOVE AND SLAB REMAIN CLEAR OF HEATED SPACE. PROVIDE 250MM OF 25' CIRCUIT FROM WINE. THERMOCUT PROVIDE DETAILED ENGINEERED SYSTEM DRAWINGS PRIOR TO INSTALLATION.
 8. TYPE 3A/1 LIGHTING FIXTURES ARE LOCATED ON LEVEL 2 ONLY.
 9. TYPE 3A/1 LIGHTING FIXTURES ARE LOCATED ON LEVEL 1 ONLY.
 10. PROVIDE 250MM CONDUIT ON WALL WIRE FOR EMERGENCY CALL SYSTEM IN UNIVERSAL WAREHOUSE.
 11. RUN 250MM CONDUIT ON WALL WIRE BACK TO SECURITY ROOM AND CONDUIT FOR EMERGENCY CALL SYSTEM IN UNIVERSAL WAREHOUSE.

Contractor Must Check And Verify All Dimensions On The Job.

Do Not Print This Drawing.

All Drawings, Specifications And Related Documents Are The Copyright Of The Architect And Shall Be Returned Upon Request.

Approval Of Drawings, Specifications And Related Documents Must Be On File At All Times Without The Architect's Written Permission.

This Drawing Is Not To Be Used For Construction Until Signed By The Architect.

Date: 03/09/15

PROFESSIONAL ENGINEER

ON BEHALF OF THE ARCHITECT

D. M. McLELLAN

MCW Consultants Ltd.

207 Queen's Quay West, Suite 615, Toronto, ON, M5J 1A7

E-Mail: info@mcw.com Web: www.mcw.com

Tel: 416-596-2500 Fax: 416-596-0384

Toronto Vancouver Winnipeg Montreal Ottawa Halifax

Daughn Katsaris Trail Saint John

No.	Revision	Date
1	ISSUED FOR ADD E-001	2015/07/15
2	ISSUED FOR ADD E-002	2015/07/15

3 ISSUED FOR TENDER

2 BUILDING PERMIT SUBMISSION

1 FOR REVIEW

NO. PROJECT NO.

AQUAVISTA

AT BAYSIDE TORONTO

Drawing Title

LEVEL 2 FLOOR PLAN

NORTH - ELECTRICAL

Project

Hines TRIDEL

AQUAVISTA

Block 3 - R3 & R4

Queen's Quay East

Toronto, ON

Scale

1:50

Drawn by

Author

Checked by

Checker

84890

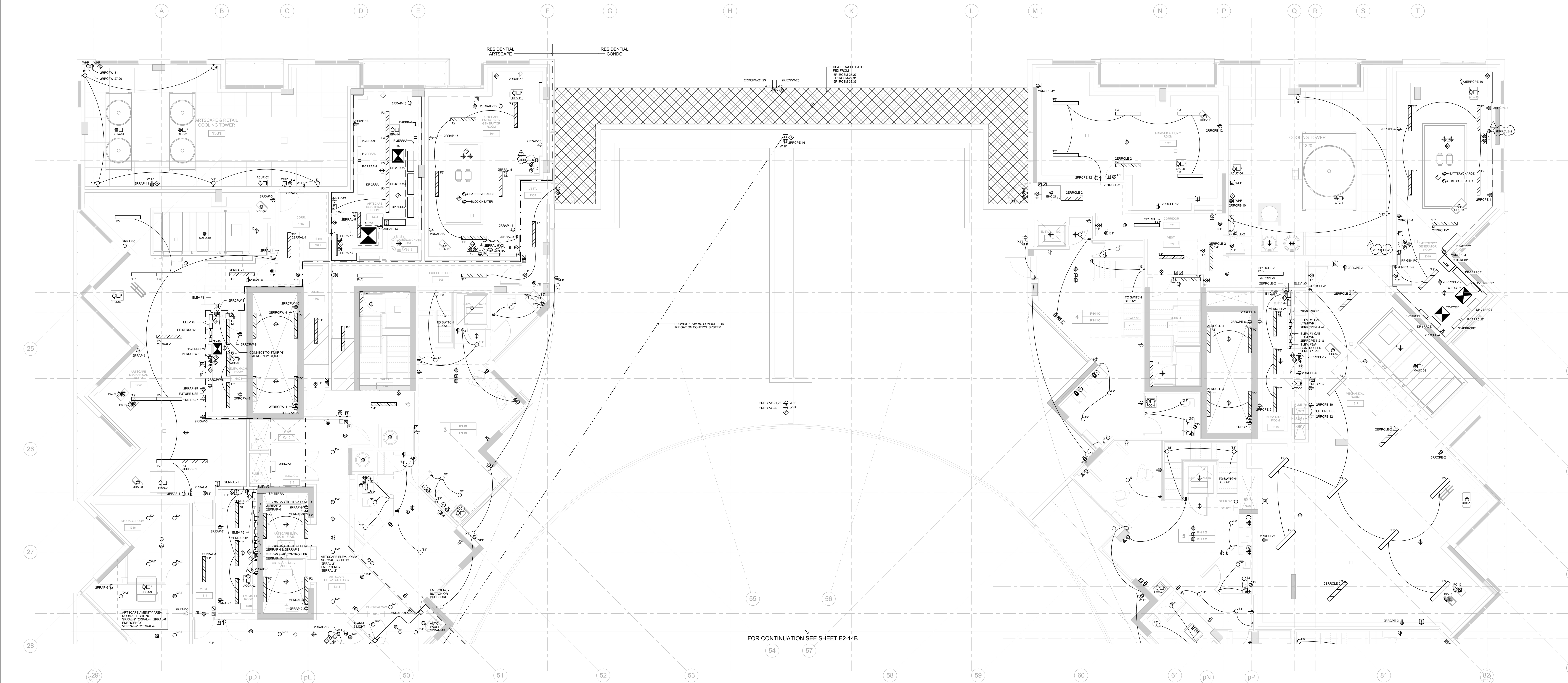
Project No.

03/09/15

Date

Drawing No.

E2-03A



- GENERATOR NOTES:**
- 120V, 15A POWER CONNECTIONS FOR THE GENERATOR BATTERY & CHARGER AND SUPERVISORY CONTACTS FOR GENERATOR MONITORING POINTS.
 - GENERATOR BUS INTERCONNECTED WITH MAIN AND GROUND WIRE MOUNTED GROUND LOOP AT HIGH LEVEL, GROUND ALL METAL WITHIN THE ROOM INCLUDING DOOR FRAMES, COILING REINFORCING EQUIPMENT, ETC. REFER TO DRAWING E1-125-XX AND SPECIFICATIONS FOR FURTHER DETAILS.
 - PROVIDE 100mm HIGH CONCRETE PAD FOR ALL FLOOR STANDING EQUIPMENT.
 - NAME: 200V, 250V, 300V BATTERY AND CHARGER UNIT 250V 120V HEADLAMP OF QUARTZ HALOGEN TYPE.
- ELEVATOR MACHINE ROOM NOTES:**
- PROVIDE DISCONNECT SWITCH FOR ELEVATOR MOTOR, COW AUXILIARY, COWPUMP, WITH WIRING TO THE CONTROLLER, REFER TO SINGLE DIAGRAM FOR FEEDER SIZE. FUSE TO BE PROVIDED AS PER ELEVATOR SHOP.
 - LOCATE ON RECEPTACLE NEXT TO CONTROL CABINET. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR ON SITE.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL EMPTY CONDUIT TO RAIL WIRE FROM MAIN TELECOMMUNICATION ROOM FOR A DEDICATED TELEPHONE LINE TERMINATING AT THE PRIMARY ELEVATOR SIGNAL CONTROL CABINET FOR EMERGENCY CALL SYSTEMS.
 - CONDUIT TO PLYWOOD BACKBOARD FOR SECURITY SERVICE.
- NOTES:**
- ALL EXT. SIGNS ARE TYPE "T2" UNLESS OTHERWISE NOTED.
 - REFER TO REFER FOR STAIRS AND COMMON AREA CIRCUITS. (SWS: 04-01)
 - SPRINKLER SYSTEM FLOW SWITCH AND SUPERVISORY VALVE. REFER TO MENDRA INCORPORATED DRAWINGS "SP" FOR QUANTITY AND DESCRIPTION.
 - RECEPTACLE SHALL BE LOCATED NOT LESS THAN 20mm DOWN FROM THE FINISHED FLOOR AND PROTECTED FROM MECHANICAL DAMAGE.
 - AREA TO BE HEAT TRACED. PROVIDE 3 ZONE OF PHOTOGRAPHY (CAT #8013) CABLES RATED AT 800 WATTS EACH. REFER TO MENDRA PROVIDE DRAWING.
 - MELTING CONTROLS AS PER SPECIFICATION COW OVERHEAD SENSOR CONTROLS AND ALL NECESSARY INSTALLATION AND WIRING. MOUNT SENSOR ON WALL, MINIMUM 1.8m HIGH OF FLOOR AND 1.8m HIGH FROM CEILING. CLEAR OF HEATED SPACE. PROVIDE 30A GFI CIRCUITS FROM PANEL 1000V. PROVIDE DETAILED ENGINEERED SYSTEM DRAWINGS PRIOR TO INSTALLATION.
 - WEATHER PROOF JUNCTION BOX FOR SPRINKLER CONTROL SYSTEM. PROVIDE 1/2" WPC CONDUITS TO SPRINKLER ROOM ON P-LEVEL. EXACT LOCATION AND JUNCTION BOX SIZE TO BE COORDINATED WITH SPRINKLER SHOP DRAWING.
 - GROUNDING IS INTERCONNECTED WITH AISC AND GROUND WIRE MOUNTED GROUND LOOP AT HIGH LEVEL. RUN AISC AND GROUND WIRE TO THE MAIN ELECTRICAL ROOM GROUNDING SYSTEM. GROUND ALL METAL WITHIN THE ROOM INCLUDING DOOR FRAMES, COILING REINFORCING EQUIPMENT, ETC.
 - PROVIDE 100mm HIGH CONCRETE PAD FOR ALL FLOOR STANDING EQUIPMENT.
 - PROVIDE 100mm (X) 240mm (X) 18mm PLYWOOD BACKBOARD. REFER TO SECURITY MENDRA 04-01 FOR CONDUIT DETAIL.
 - PROVIDE A 25A, 250V-14 SURFACE MOUNTED WEATHERPROOF FAN-LOOK TYPE RECEPTACLE FOR WINDOW WASHING. COW STRAIN RELIEF EYELET 1/8" BORE CAT# 906-20000 (SWS: 12-000). PROVIDE ALSO A 120V 15A FOUR-RECEPTACLE.

Customer Must Check And Verify All Dimensions On The Job.

Do Not Print This Drawing.

All Drawings, Specifications And Related Documents Are The Copyright Of The Architect And Shall Be Returned Upon Request.

Reproduction Of Drawings, Specifications And Related Documents Without The Written Consent Of The Architect Is Prohibited.

This Drawing Is Not To Be Used For Construction Until Signed By The Architect.

Date: 04/16/15

PROFESSIONAL SEAL

MECHANICAL ENGINEER

MCW CONSULTANTS LTD.

207 Queen's Quay West, Suite 615, Toronto, ON, M5J 1A7

T: 416-598-2500 F: 416-598-2501

Fax: 416-598-2504

Toronto, Vancouver, Winnipeg, Montreal, Ottawa, Halifax, St. John's

No.	Revision	Date
1	ISSUED FOR ADD E-001	2015-03-30
2	ISSUED FOR ADD E-002	2015-03-30

3 ISSUED FOR TENDER 2015-10-30

2 BUILDING PERMIT SUBMISSION 2015-06-12

1 W/ REVIEW 2015-05-01

NO PROJECT FOR DATE

AQUAVISTA

AT BAYSIDE TORONTO

Drawing Title

LEVEL 13 FLOOR PLAN

NORTH - ELECTRICAL

Project

Hines TRIDEL

AQUAVISTA

Block 3 - R3 & R4

Queen's Quay East

Toronto, ON

1:50

Author

Checked by

84890

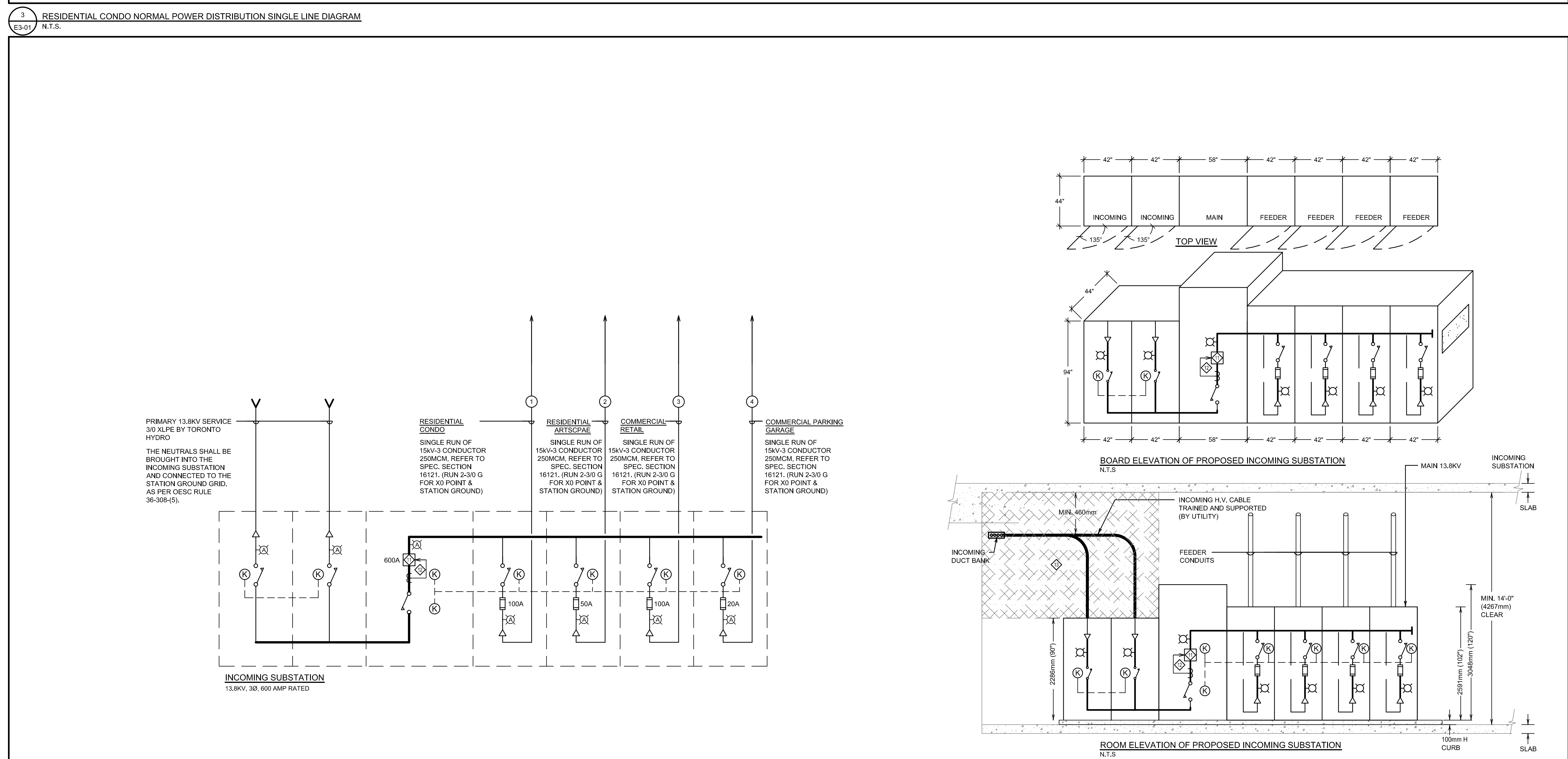
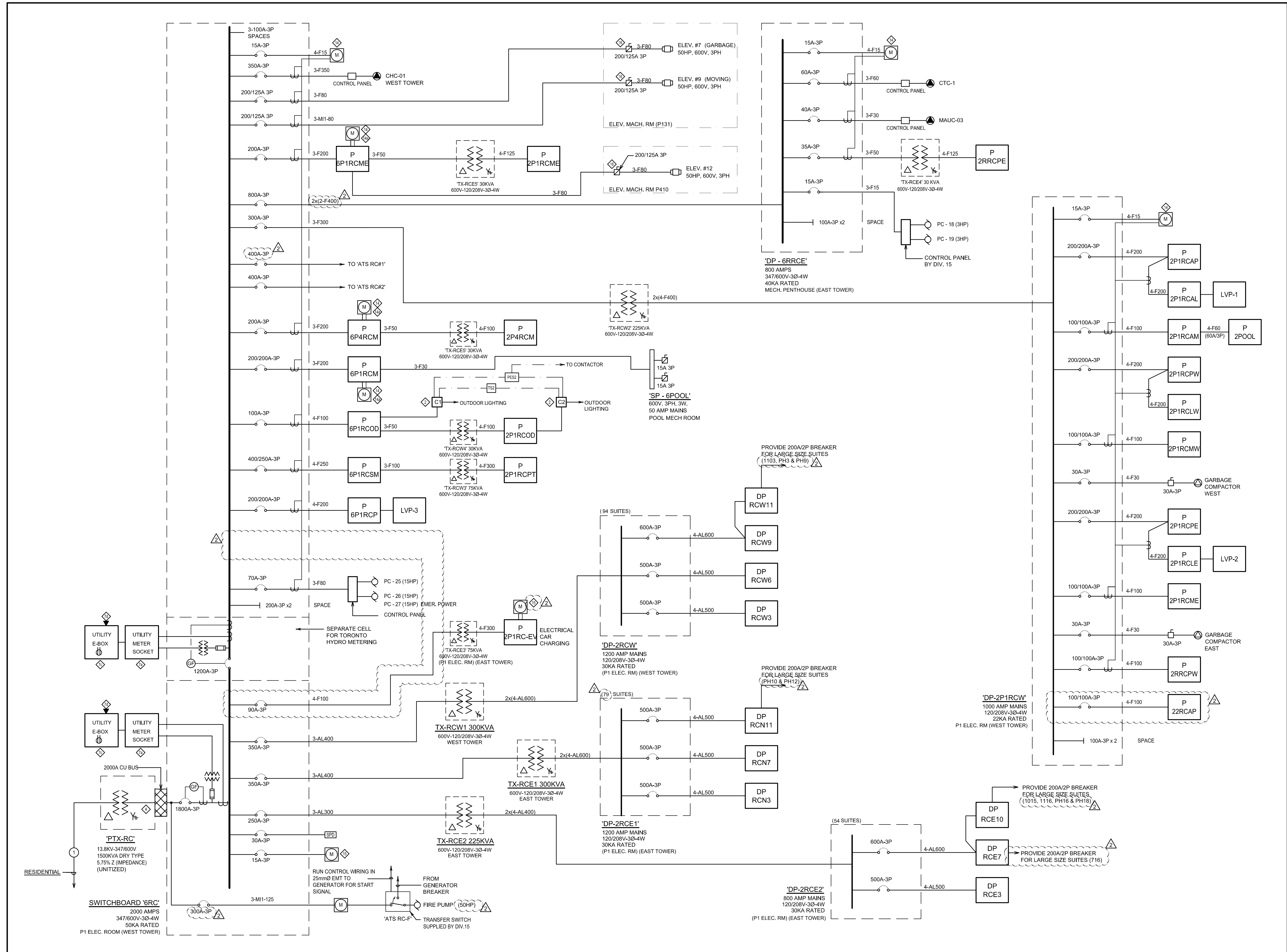
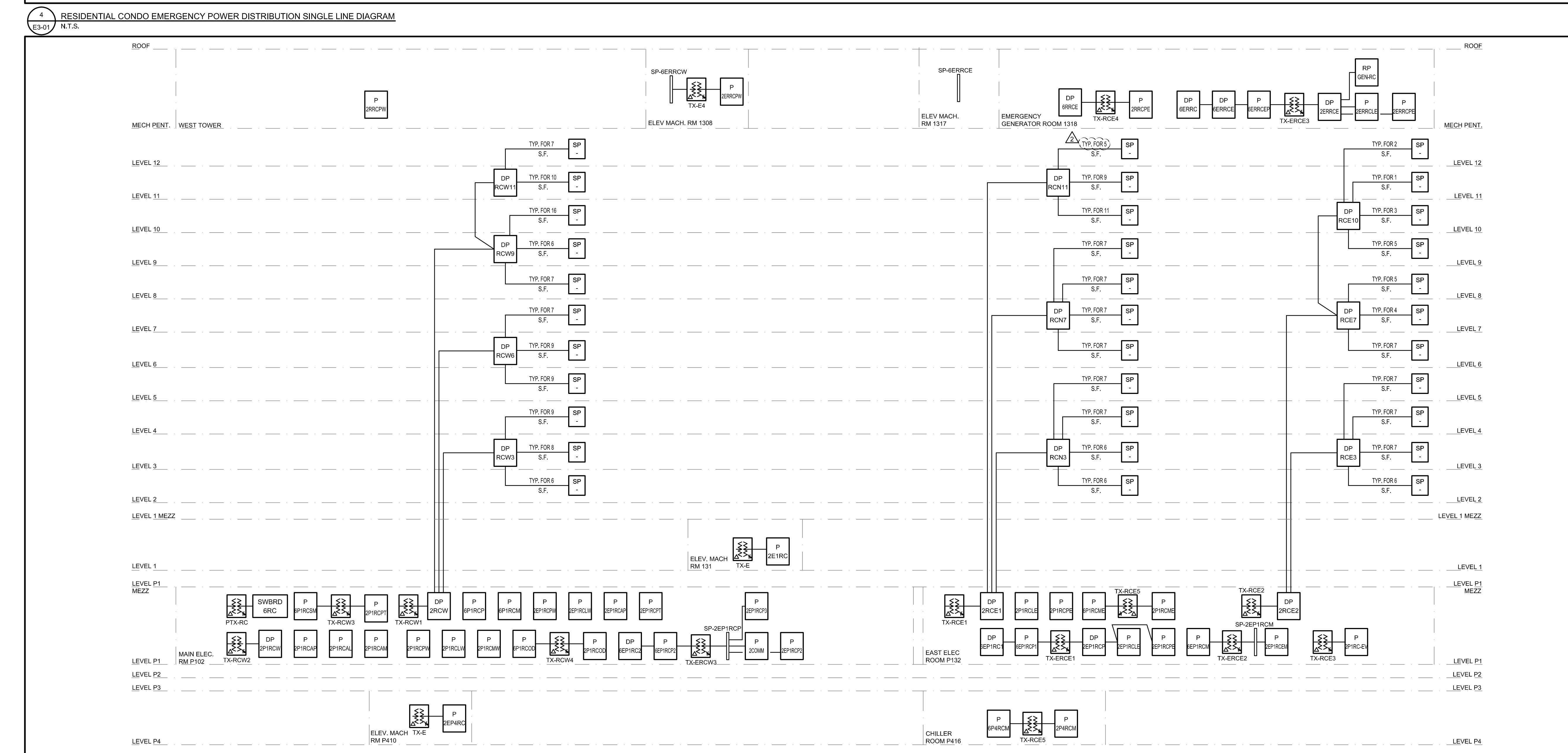
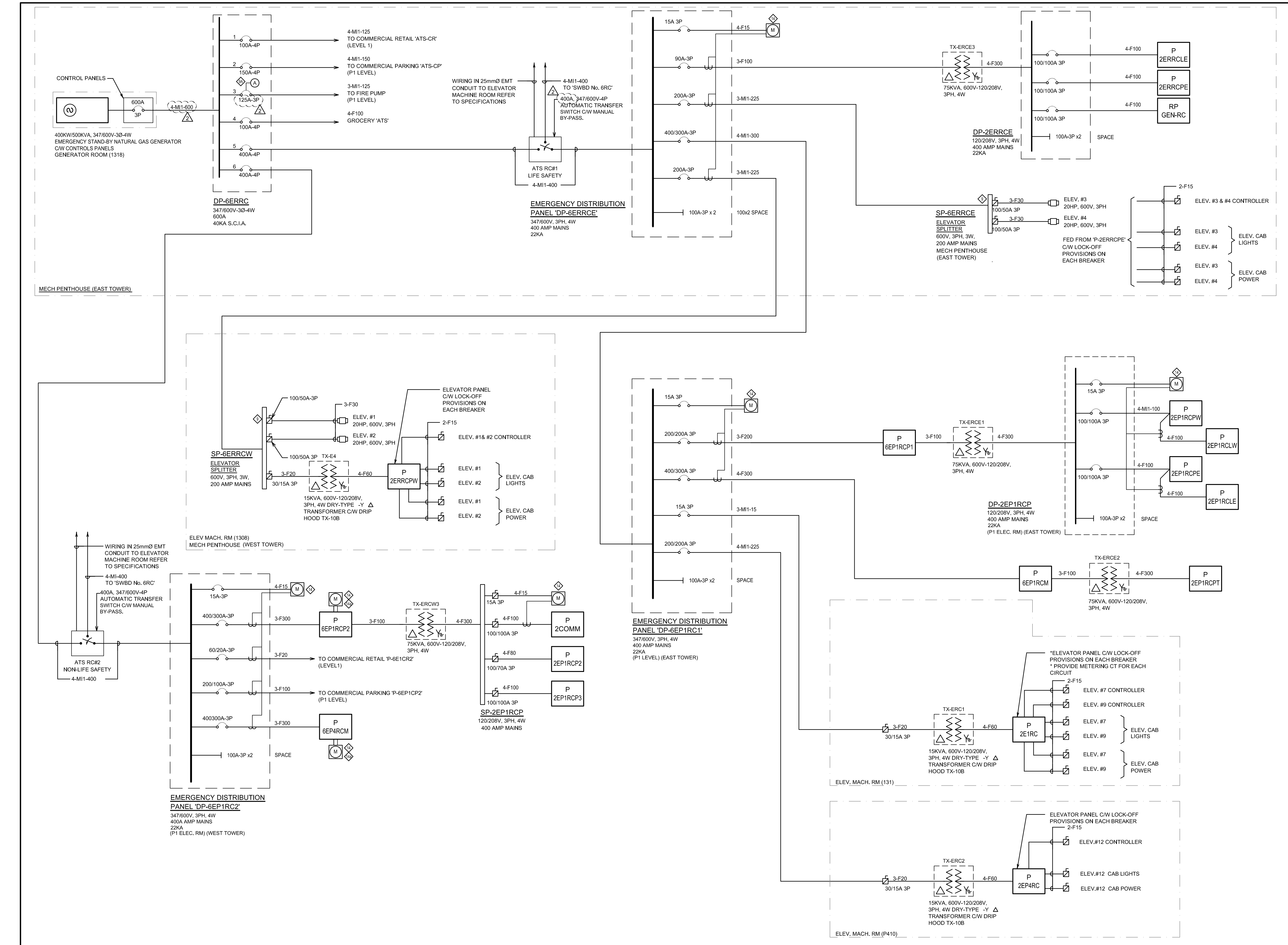
Date

04/16/15

Drawing No.

N

E2-14A



600V 2 HOUR FIRE RATED M.C. CABLE SCHEDULE									
SINGLE CONDUCTOR					THREE CONDUCTOR				
MAX BREAKER SIZE	REF	WIRE SIZE	AMP	SIZE	MAX BREAKER SIZE	REF	WIRE SIZE	AMP	SIZE
15	F15	#12	25	14	15	M15	#12	25	1413
20	F20	#10	35	12	20	M20	#10	35	1213
25	F25	#8	50	10	25	M25	#8	50	1013
30	F30	#6	65	8	30	M30	#6	65	813
35	F35	#4	85	6	35	M35	#4	85	613
40	F40	#3	110	5	40	M40	#3	110	513
45	F45	#2	140	4	45	M45	#2	140	413
50	F50	#1	175	3	50	M50	#1	175	313
60	F60	#1/2	225	2	60	M60	#1/2	225	213
70	F70	#1/4	285	1	70	M70	#1/4	285	113
80	F80	#3/8	350	1	80	M80	#3/8	350	113
90	F90	#1/2	425	1	90	M90	#1/2	425	113
100	F100	#3/4	500	1	100	M100	#3/4	500	113
110	F110	#1	575	1	110	M110	#1	575	113
125	F125	#1 1/4	675	1	125	M125	#1 1/4	675	113
150	F150	#2	800	1	150	M150	#2	800	113
175	F175	#2 1/2	975	1	175	M175	#2 1/2	975	113
200	F200	#3	1100	1	200	M200	#3	1100	113
225	F225	#3 1/2	1275	1	225	M225	#3 1/2	1275	113
250	F250	#4	1450	1	250	M250	#4	1450	113
275	F275	#4 1/2	1625	1	275	M275	#4 1/2	1625	113
300	F300	#5	1800	1	300	M300	#5	1800	113
350	F350	#5 1/2	2100	1	350	M350	#5 1/2	2100	113
400	F400	#6	2400	1	400	M400	#6	2400	113
450	F450	#6 1/2	2700	1	450	M450	#6 1/2	2700	113
500	F500	#7	3000	1	500	M500	#7	3000	113
550	F550	#7 1/2	3300	1	550	M550	#7 1/2	3300	113
600	F600	#8	3600	1	600	M600	#8	3600	113

NOTE

1. RATING IS BASED ON 3 CONDUCTORS APPLYING OR CURRENT TO THE LOAD OTHER CONDUCTOR USED AS NEUTRAL OR FOR GROUNDING. SIGNAL, DERATING FACTORS SHALL APPLY IF 4 OR MORE CONDUCTORS ARE USED AS CURRENT CARRYING CONDUCTORS.

UPDATED JAN 2015.

CABLE & CONDUIT SCHEDULE - NEUAL									
SINGLE CONDUCTOR					THREE CONDUCTOR				
MAX BREAKER SIZE	REF	WIRE SIZE	AMP	CORRECTED AMP (90°C)	CONDUIT SIZE	BENDING CONDUCTORS			
15	F15	#12	25	25	1/2"	1/2"	1/2"	1/2"	
20	F20	#10	35	35	3/4"	3/4"	3/4"	3/4"	
25	F25	#8	50	50	1"	1"	1"	1"	
30	F30	#6	65	65	1 1/4"	1 1/4"	1 1/4"	1 1/4"	
35	F35	#4	85	85	1 1/2"	1 1/2"	1 1/2"	1 1/2"	
40	F40	#3	110	110	1 3/4"	1 3/4"	1 3/4"	1 3/4"	
45	F45	#2	140	140	2"	2"	2"	2"	
50	F50	#1	175	175	2 1/4"	2 1/4"	2 1/4"	2 1/4"	
60	F60	#1/2	225	225	2 1/2"	2 1/2"	2 1/2"	2 1/2"	
70	F70	#1/4	285	285	2 3/4"	2 3/4"	2 3/4"	2 3/4"	
80	F80	#3/8	350	350	3"	3"	3"	3"	
90	F90	#1/2	425	425	3 1/4"	3 1/4"	3 1/4"	3 1/4"	
100	F100	#3/4	500	500	3 1/2"	3 1/2"	3 1/2"	3 1/2"	
110	F110	#1	575	575	3 3/4"	3 3/4"	3 3/4"	3 3/4"	
125	F125	#1 1/4	675	675	4"	4"	4"	4"	
150	F150	#2	800	800	4 1/4"	4 1/4"	4 1/4"	4 1/4"	
175	F175	#2 1/2	975	975	4 1/2"	4 1/2"	4 1/2"	4 1/2"	
200	F200	#3	1100	1100	4 3/4"	4 3/4"	4 3/4"	4 3/4"	
225	F225	#3 1/2	1275	1275	5"	5"	5"	5"	
250	F250	#4	1450	1450	5 1/4"	5 1/4"	5 1/4"	5 1/4"	
275	F275	#4 1/2	1625	1625	5 1/2"	5 1/2"	5 1/2"	5 1/2"	
300	F300	#5	1800	1800	5 3/4"	5 3/4"	5 3/4"	5 3/4"	
350	F350	#5 1/2	2100	2100	6"	6"	6"	6"	
400	F400	#6	2400	2400	6 1/4"	6 1/4"	6 1/4"	6 1/4"	
450	F450	#6 1/2	2700	2700	6 1/2"	6 1/2"	6 1/2"	6 1/2"	
500	F500	#7	3000	3000	6 3/4"	6 3/4"	6 3/4"	6 3/4"	
550	F550	#7 1/2	3300	3300	6 3/4"	6 3/4"	6 3/4"	6 3/4"	
600	F600	#8	3600	3600	7"	7"	7"	7"	

NOTE

1. RATING IS BASED ON 3 CONDUCTORS APPLYING OR CURRENT TO THE LOAD OTHER CONDUCTOR USED AS NEUTRAL OR FOR GROUNDING. SIGNAL, DERATING FACTORS SHALL APPLY IF 4 OR MORE CONDUCTORS ARE USED AS CURRENT CARRYING CONDUCTORS.

UPDATED JAN 2015.

CABLE & CONDUIT SCHEDULE - COPPER									
SINGLE CONDUCTOR					THREE CONDUCTOR				
MAX BREAKER SIZE	REF	WIRE SIZE	AMP	CORRECTED AMP (90°C)	CONDUIT SIZE	BENDING CONDUCTORS			
15	F15	#12	25	25	1/2"	1/2"	1/2"	1/2"	
20	F20	#10	35	35	3/4"	3/4"	3/4"	3/4"	
25	F25	#8	50	50	1"	1"	1"	1"	
30	F30	#6	65	65	1 1/4"	1 1/4"	1 1/4"	1 1/4"	
35	F35	#4	85	85	1 1/2"	1 1/2"	1 1/2"	1 1/2"	
40	F40	#3	110	110	1 3/4"	1 3/4"	1 3/4"	1 3/4"	
45	F45	#2	140	140	2"	2"	2"	2"	
50	F50	#1	175	175	2 1/4"	2 1/4"	2 1/4"	2 1/4"	
60	F60	#1/2	225	225	2 1/2"	2 1/2"	2 1/2"	2 1/2"	
70	F70	#1/4	285	285	2 3/4"	2 3/4"	2 3/4"	2 3/4"	
80	F80	#3/8	350	350	3"	3"	3"	3"	
90	F90	#1/2	425	425	3 1/4"	3 1/4"	3 1/4"	3 1/4"	
100	F100	#3/4	500	500	3 1/2"	3 1/2"	3 1/2"	3 1/2"	
110	F110	#1	575	575	3 3/4"	3 3/4"	3 3/4"	3 3/4"	
125	F125	#1 1/4	675	675	4"	4"	4"	4"	
150	F150	#2	800	800	4 1/4"	4 1/4"	4 1/4"	4 1/4"	
175	F175	#2 1/2	975	975	4 1/2"	4 1/2"	4 1/2"	4 1/2"	
200	F200	#3	1100	1100	4 3/4"	4 3/4"	4 3/4"	4 3/4"	
225	F225	#3 1/2	1275	1275	5"	5"	5"	5"	
250	F250	#4	1450	1450	5 1/4"	5 1/4"	5 1/4"	5 1/4"	
275	F275	#4 1/2	1625	1625	5 1/2"	5 1/2"	5 1/2"	5 1/2"	
300	F300	#5	1800	1800	5 3/4"	5 3/4"	5 3/4"	5 3/4"	
350	F350	#5 1/2	2100	2100	6"	6"	6"	6"	
400	F400	#6	2400	2400	6 1/4"	6 1/4"	6 1/4"	6 1/4"	
450	F450	#6 1/2	2700	2700	6 1/2"	6 1/2"	6 1/2"	6 1/2"	
500	F500	#7	3000	3000	6 3/4"	6 3/4"	6 3/4"	6 3/4"	
550	F550	#7 1/2	3300	3300	6 3/4"	6 3/4"	6 3/4"	6 3/4"	
600	F600	#8	3600	3600	7"	7"	7"	7"	

NOTE

1. RATING IS BASED ON 3 CONDUCTORS APPLYING OR CURRENT TO THE LOAD OTHER CONDUCTOR USED AS NEUTRAL OR FOR GROUNDING. SIGNAL, DERATING FACTORS SHALL APPLY IF 4 OR MORE CONDUCTORS ARE USED AS CURRENT CARRYING CONDUCTORS.

UPDATED JAN 2015.

NOTES:

Ø N/A

2. MAX MULTIPOLAR LIGHTING CONTACTOR FOR EXTERIOR LIGHTING, 120V, 60/70 AMP TYPE 1 METAL ENCLOSURE, REFER TO DRAWING FOR DIMENSIONS. MAX TAP RATING REFER TO PLANTER BOX DRAWING TO BE COORDINATED TO THE CONTRACTOR.

3. PROVIDE FRAME LOCK OUT/STRAP AND SINGLE LINE DIAGRAM AS SHOWN IN EACH ELECTRICAL RACK.

4. SECONDARY NEUTRAL, 20Y SHALL BE GROUNDED TO THE SUBSTATION ELECOTRUC WITH A 3/8" ANGLE CONDUCTOR.

5. SECONDARY NEUTRAL, 20Y SHALL BE GROUNDED TO THE SUBSTATION ELECOTRUC WITH A COPPER CONDUCTOR SIZED AS PER TABLE 17 OF OESC.

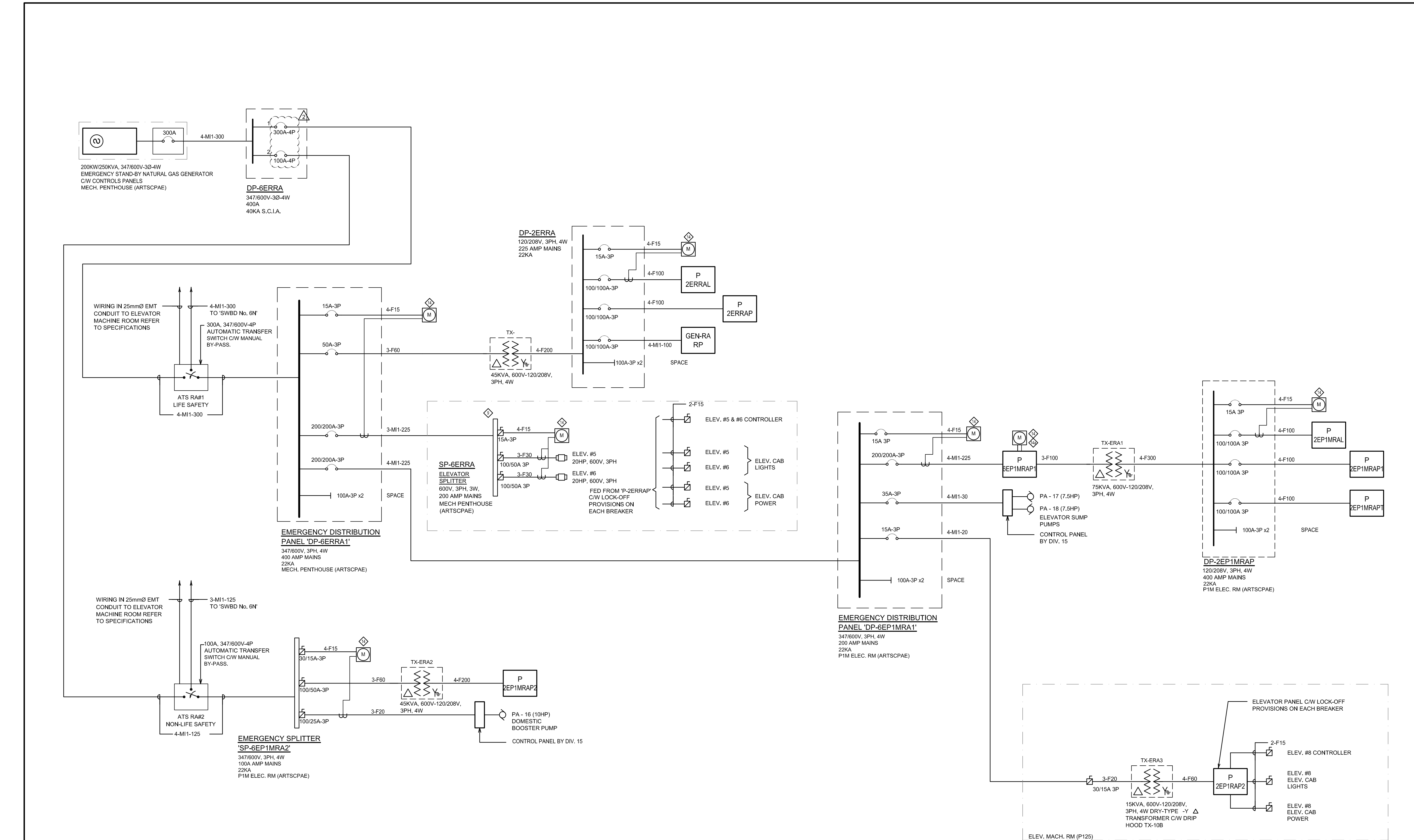
6. THE LOW VOLTAGE 20Y OF 20Y TRANSFORMERS SHALL BE BOWDED TO THE TRANSFORMER ENCLOSURE/GROUND BUS WITH A COPPER CONDUCTOR SIZED AS PER TABLE 17 OF THE OESC.

Ø PROVIDE AND INSTALL THE FOLLOWING FOR METERSOCKET AND E-BOX:

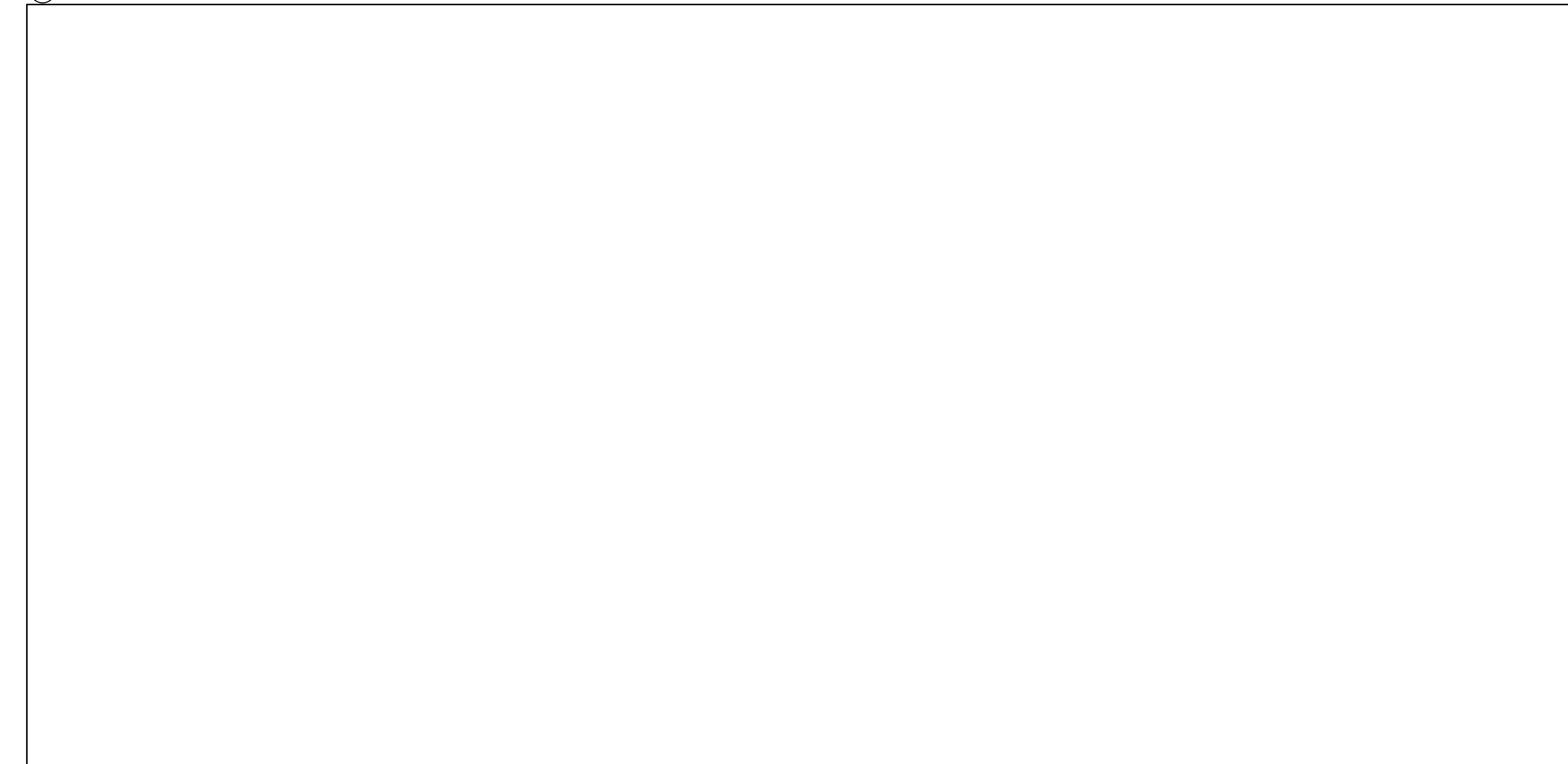
7a) METER SOCKET: MUST BE TRANSFORMER RATED, 150 AMP/BI-PASS, PROVISION FOR A 10 POLE TEST PANEL, LOCKABLE COVER, TO BE GROUND EXTERNALLY BY A 3/8" CONDUIT, 1/2" (1/2" TO) CENTER OF OPENING.

7b) METER SOCKET: 410V/115 120/208V, 100/160 KW PERMITTED UNLESS APPROVED BY THE DISTRICT METERS ONLY LEADER. CONNECTION FROM METER TERMINAL COMPARTMENT TO METER SOCKET. MAXIMUM OF THREE IN DEGREE BENDS. MINIMUM CONDUIT LENGTH 12" (12" TO) CENTER OF OPENING.

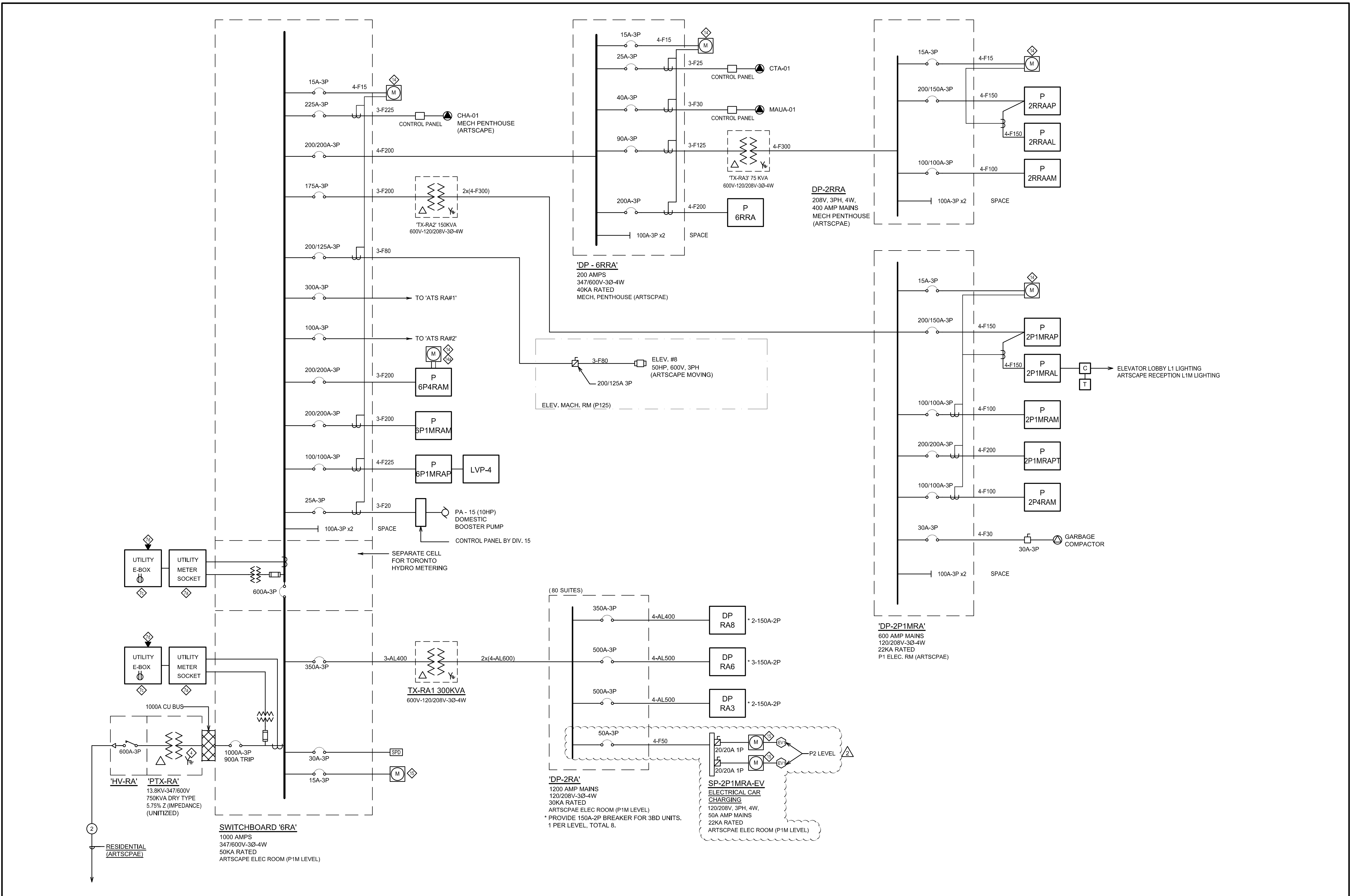
7c) E-BOX: A 300X300X100 120V/208V E-BOX IS TO BE MOUNTED DIRECTLY ADJACENT (shown 2") TO THE METER SOCKET. THE E-BOX WILL BE CONNECT TO THE SOCKET WITH A 20Y CONDUCTOR. A 120V CORDSET RECEPTABLE WILL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RECEPTABLE SHALL BE LOCATED IN THE E-BOX, IF POSSIBLE. THE 120V CORDSET RE



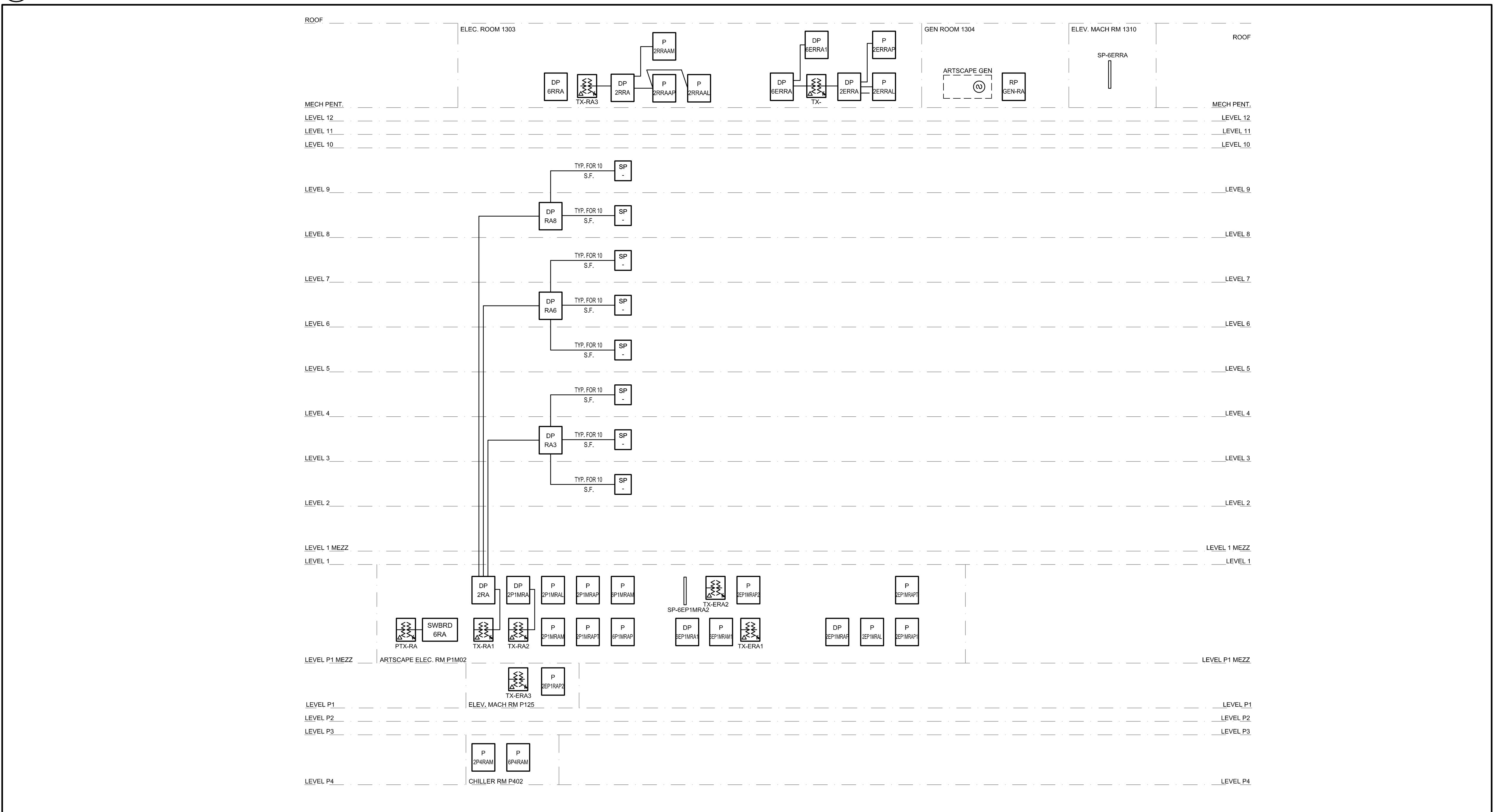
1. RESIDENTIAL ARTSCAPE EMERGENCY POWER DISTRIBUTION SINGLE LINE DIAGRAM
N.T.S.



1. RESIDENTIAL ARTSCAPE EMERGENCY POWER DISTRIBUTION SINGLE LINE DIAGRAM
N.T.S.



1. RESIDENTIAL ARTSCAPE NORMAL POWER DISTRIBUTION SINGLE LINE DIAGRAM
N.T.S.



1. RESIDENTIAL ARTSCAPE NORMAL POWER DISTRIBUTION SINGLE LINE DIAGRAM
N.T.S.

600V 2 HOUR FIRE RATED MI CABLE SCHEDULE
AS MANUFACTURED BY TITICUMBA

SINGLE CONDUCTOR				TWO CONDUCTORS				THREE CONDUCTORS				FOUR CONDUCTORS			
MAX BREAKER SIZE	REF	WIRE SIZE	AMP	MAX BREAKER SIZE	REF	WIRE SIZE	AMP	MAX BREAKER SIZE	REF	WIRE SIZE	AMP	MAX BREAKER SIZE	REF	WIRE SIZE	AMP
15	F15	#12	25	25	F25	#10	35	35	F35	#8	50	50	F50	#6	75
20	F20	#10	35	35	F35	#8	50	50	F50	#6	75	75	F75	#4	100
25	F25	#10	35	35	F35	#8	50	50	F50	#6	75	75	F75	#4	100
30	F30	#8	50	50	F50	#6	75	75	F75	#4	100	100	F100	#3	125
35	F35	#8	50	50	F50	#6	75	75	F75	#4	100	100	F100	#3	125
40	F40	#6	75	75	F75	#4	100	100	F100	#3	125	125	F125	#2	150
45	F45	#6	75	75	F75	#4	100	100	F100	#3	125	125	F125	#2	150
50	F50	#6	75	75	F75	#4	100	100	F100	#3	125	125	F125	#2	150
55	F55	#6	75	75	F75	#4	100	100	F100	#3	125	125	F125	#2	150
60	F60	#4	100	100	F100	#3	125	125	F125	#2	150	150	F150	#1	200
65	F65	#4	100	100	F100	#3	125	125	F125	#2	150	150	F150	#1	200
70	F70	#4	100	100	F100	#3	125	125	F125	#2	150	150	F150	#1	200
75	F75	#4	100	100	F100	#3	125	125	F125	#2	150	150	F150	#1	200
80	F80	#4	100	100	F100	#3	125	125	F125	#2	150	150	F150	#1	200
85	F85	#4	100	100	F100	#3	125	125	F125	#2	150	150	F150	#1	200
90	F90	#4	100	100	F100	#3	125	125	F125	#2	150	150	F150	#1	200
95	F95	#4	100	100	F100	#3	125	125	F125	#2	150	150	F150	#1	200
100	F100	#3	125	125	F125	#2	150	150	F150	#1	200	200	F200	#1	200
105	F105	#3	125	125	F125	#2	150	150	F150	#1	200	200	F200	#1	200
110	F110	#3	125	125	F125	#2	150	150	F150	#1	200	200	F200	#1	200
115	F115	#3	125	125	F125	#2	150	150	F150	#1	200	200	F200	#1	200
120	F120	#3	125	125	F125	#2	150	150	F150	#1	200	200	F200	#1	200

CABLE & CONDUIT SCHEDULE - NAL

MAX SIZE	REF	WIRE SIZE	AMP	CORRECTED 90°C	4C	CONDUIT SIZE	2C	BONDING CONDUCTOR
15	F15	#12	25	25	31.1(25)	31.1(25)	31.1(25)	#12
20	F20	#10	35	35	37.1(35)	37.1(35)	37.1(35)	#10
25	F25	#10	35	35	37.1(35)	37.1(35)	37.1(35)	#10
30	F30	#8	50	50	39.1(50)	39.1(50)	39.1(50)	#8
35	F35	#8	50	50	39.1(50)	39.1(50)	39.1(50)	#8
40	F40	#6	75	75	41.1(75)	41.1(75)	41.1(75)	#6
45	F45	#6	75	75	41.1(75)	41.1(75)	41.1(75)	#6
50	F50	#6	75	75	41.1(75)	41.1(75)	41.1(75)	#6
55	F55	#6	75	75	41.1(75)	41.1(75)	41.1(75)	#6
60	F60	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
65	F65	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
70	F70	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
75	F75	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
80	F80	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
85	F85	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
90	F90	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
95	F95	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
100	F100	#3	125	125	45.1(125)	45.1(125)	45.1(125)	#3
105	F105	#3	125	125	45.1(125)	45.1(125)	45.1(125)	#3
110	F110	#3	125	125	45.1(125)	45.1(125)	45.1(125)	#3
115	F115	#3	125	125	45.1(125)	45.1(125)	45.1(125)	#3
120	F120	#3	125	125	45.1(125)	45.1(125)	45.1(125)	#3

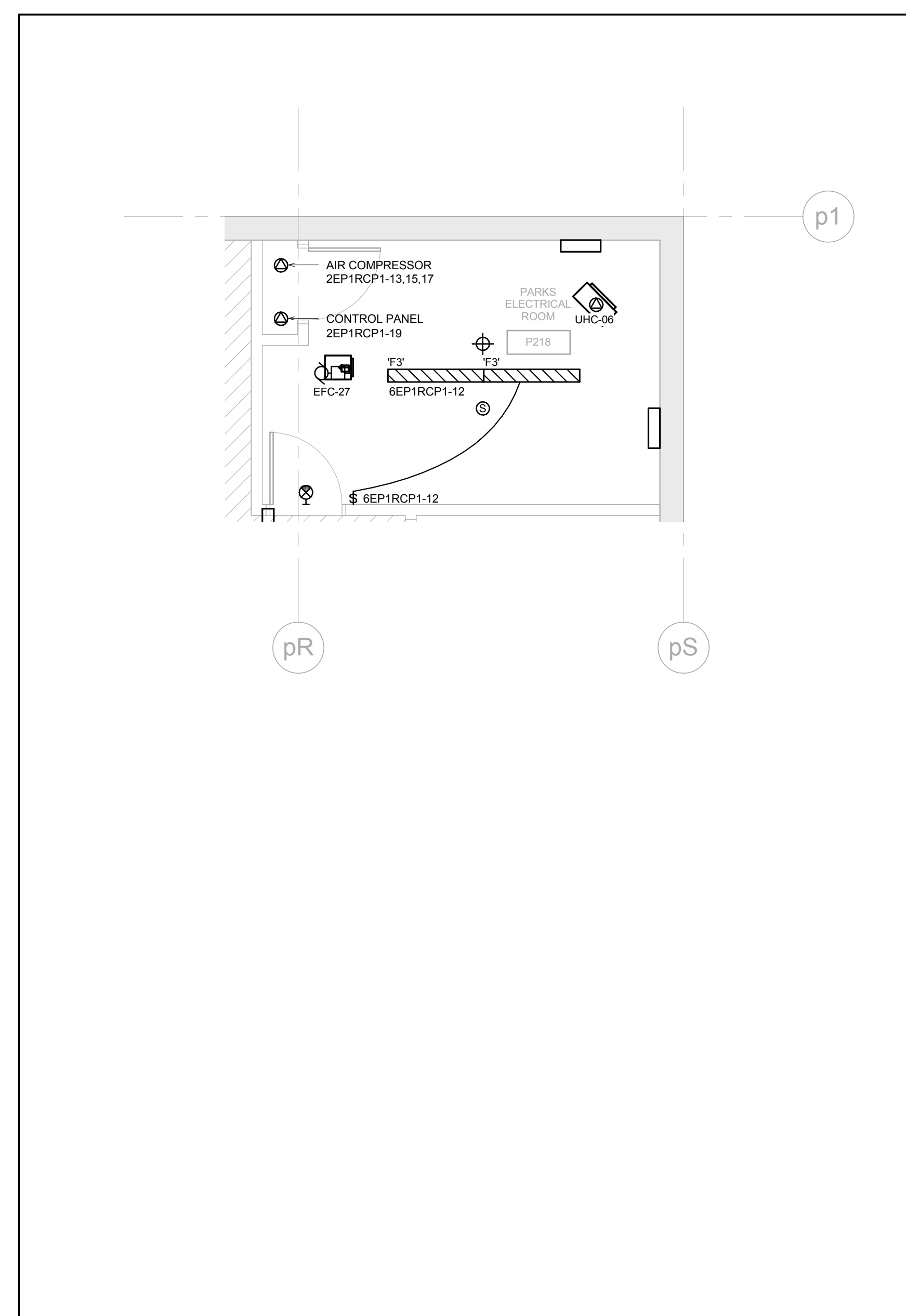
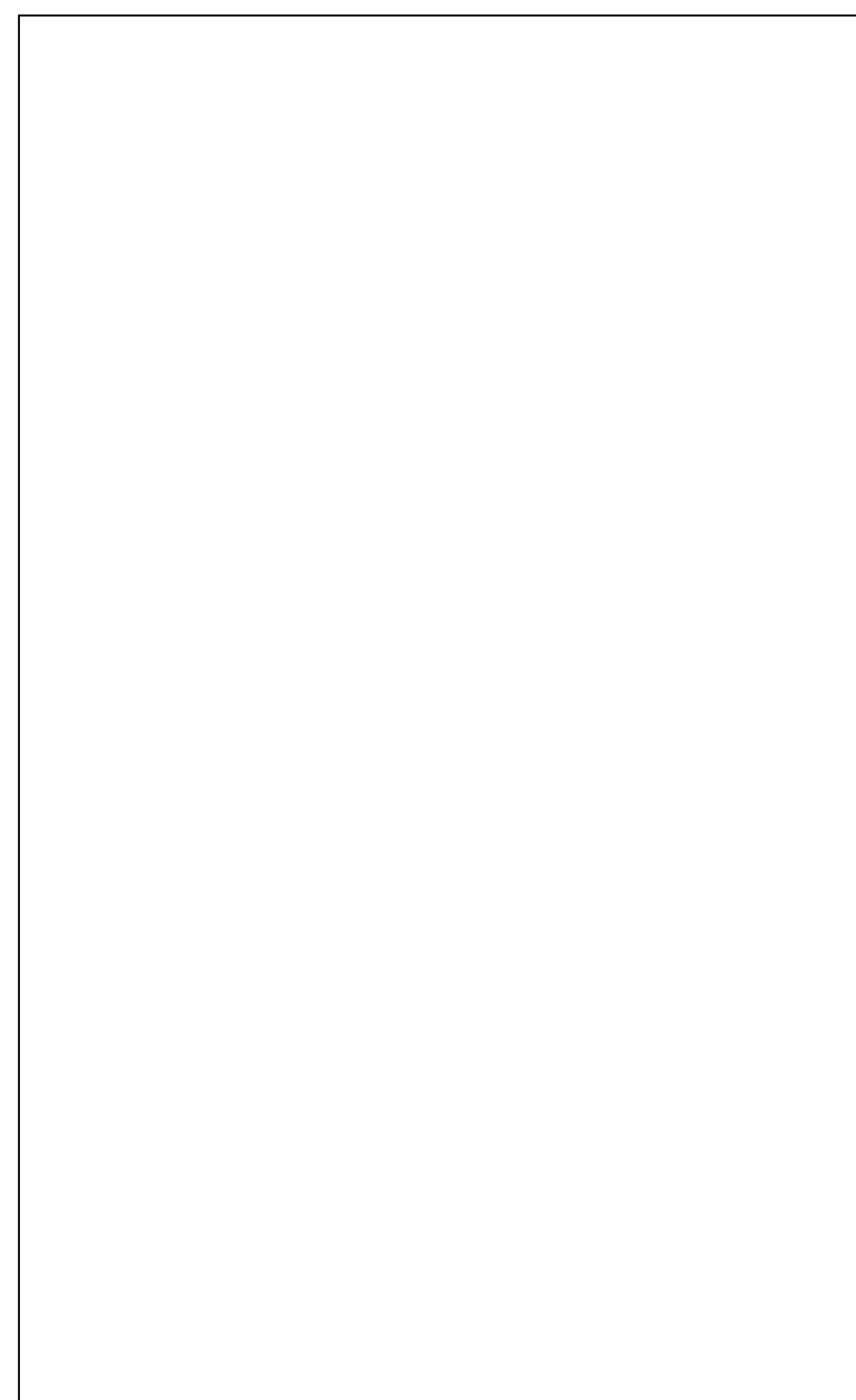
CABLE & CONDUIT SCHEDULE - COPPER

MAX SIZE	REF	WIRE SIZE	AMP	CORRECTED 90°C	4C	CONDUIT SIZE	2C	BONDING CONDUCTOR
15	F15	#12	25	25	31.1(25)	31.1(25)	31.1(25)	#12
20	F20	#10	35	35	37.1(35)	37.1(35)	37.1(35)	#10
25	F25	#10	35	35	37.1(35)	37.1(35)	37.1(35)	#10
30	F30	#8	50	50	39.1(50)	39.1(50)	39.1(50)	#8
35	F35	#8	50	50	39.1(50)	39.1(50)	39.1(50)	#8
40	F40	#6	75	75	41.1(75)	41.1(75)	41.1(75)	#6
45	F45	#6	75	75	41.1(75)	41.1(75)	41.1(75)	#6
50	F50	#6	75	75	41.1(75)	41.1(75)	41.1(75)	#6
55	F55	#6	75	75	41.1(75)	41.1(75)	41.1(75)	#6
60	F60	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
65	F65	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
70	F70	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
75	F75	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
80	F80	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
85	F85	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
90	F90	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
95	F95	#4	100	100	43.1(100)	43.1(100)	43.1(100)	#4
100	F100	#3	125	125	45.1(125)	45.1(125)	45.1(125)	#3
105	F105	#3	125	125	45.1(125)	45.1(125)	45.1(125)	#3
110	F110	#3	125	125	45.1(125)	45.1(125)	45.1(125)	#3
115	F115	#3	125	125	45.1(125)	45.1(125)	45.1(125)	#3
120	F120	#3	125	125	45.1(125)	45.1(125)	45.1(125)	#3

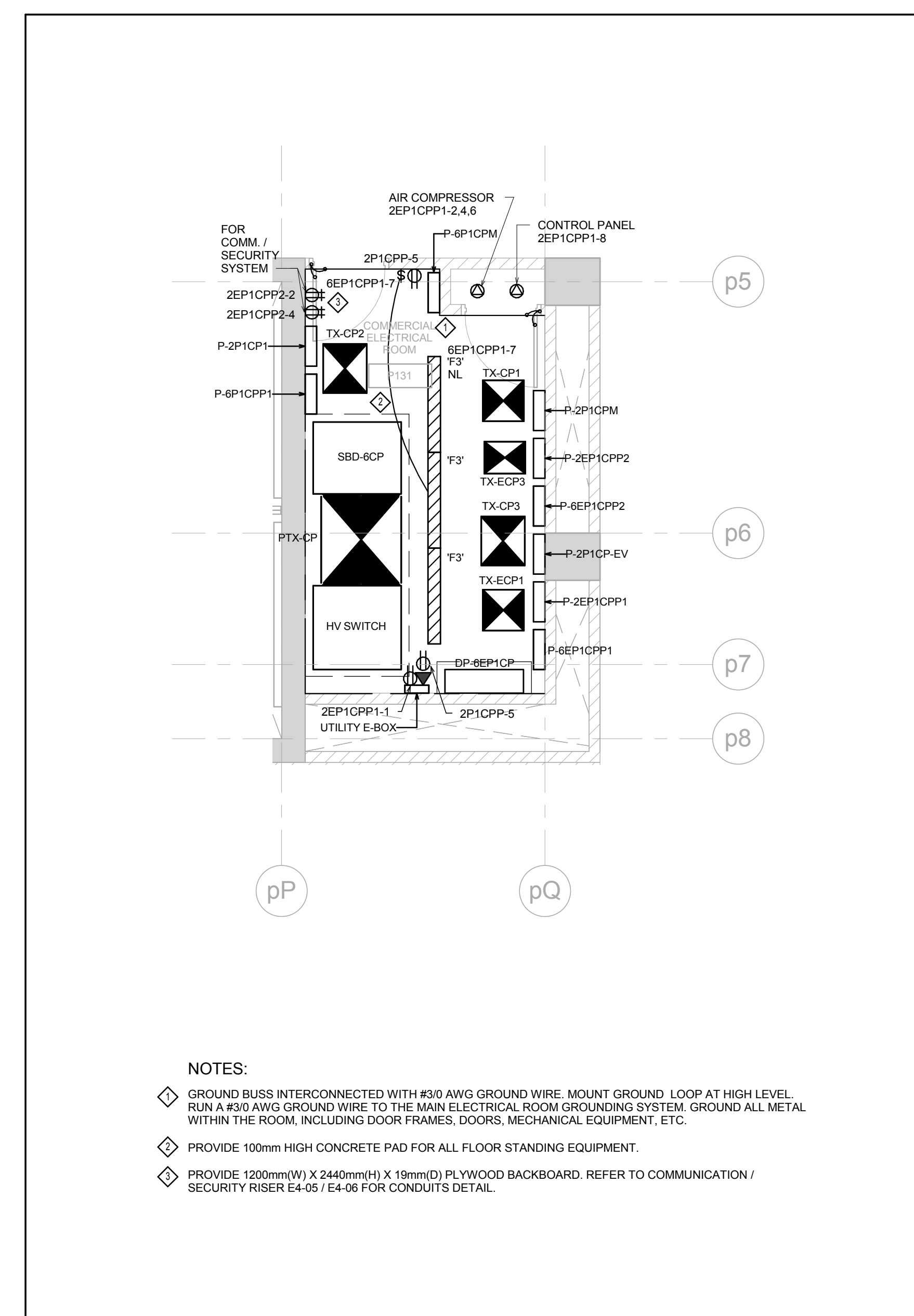
- NOTES:
- TO BE CONFIRMED WITH TORONTO HYDRO.
 - N/A
 - PROVIDE FRAME BLOCK OUTLINE AND SINGLE LINE DIAGRAM AS PER DEC 36-008 AND MOUNT IN EACH ELECTRICAL ROOM.
 - SECONDARY NEUTRAL 'X' SHALL BE GROUNDED TO THE SUBSTATION ELECTRODE WITH A 30 AWG COPPER CONDUCTOR.
 - SECONDARY NEUTRAL 'X' OF TRANSFORMERS SHALL BE GROUNDED TO THE SUBSTATION ELECTRODE WITH A COPPER CONDUCTOR SIZED AS PER TABLE 17 OF DEC.
 - THE LOW VOLTAGE NEUTRAL 'X' OF THE TRANSFORMERS SHALL BE GROUNDED TO THE TRANSFORMER ENCLOSURE GROUND BUS WITH A COPPER CONDUCTOR SIZED AS PER TABLE 16 OF DEC.
 - PROVIDE AND INSTALL THE FOLLOWING FOR METERING SOCKET AND BOX:
 - 74) METER SOCKET: MUST BE TRANSFORMER RATED, NO AUTOMATIC BYPASS, PROVISION FOR A 10 POLE TEST PANEL, LOCKABLE COVER, TO BE GROUND EXTERNALLY BY A WOG GROUND, 1.5m (5'-0") TO CENTER OF OPENING.
 - 75) METER CONDUIT: 41mm (1.5") CONDUIT, NO LEX PERMITTED UNLESS APPROVED BY DISTRICT METERING CREW LEADER, CONTRASTS FROM METER INSTRUMENT COMPARTMENT TO METER SOCKET, MINIMUM OF THREE (3) DEGREE BENDS, MAXIMUM CONDUIT LENGTH IS 3m (10'-0").
 - 76) BOX: A 300x300x100mm (12"x12"x4") BOX IS TO BE MOUNTED DIRECTLY ADJACENT (DOWN PT) TO METER SOCKET, THE BOX WILL BE CONNECT TO THE SOCKET WITH A 10mm (1/2") CONDUIT, A LOW VOLTAGE RECEPTACLE WILL BE LOCATED IN THIS BOX, IF POSSIBLE THE 120V SUPPLY SHOULD COME FROM A UPS, THE BOX MUST BE LOCKABLE.
 - PHONE CONDUIT: 16mm (1/2") CONDUIT, BUSHINGS AT BOTH ENDS, WITH PULL STRING, MUST EXTEND FROM JUST ADJACENT TO METER SOCKET TO WHERE THE PHONE TRUNK LINES WILL BE TERMINATED IN THE MAIN PHONE ROOM.
 - 4. COPPER CABLE WITH EQUIVALENT COPPER RATINGS WITH FIRE RATED ENCLOSURE OR BURIED IN CONCRETE AS PER DEC OR ALLOWED TO USE IN LEU OF MCC CABLE.
 - IN THE EMERGENCY CONDITION, ONE ELEVATOR SHALL WORK AT A TIME ALONG WITH FIRE FIGHTERS ELEVATOR.
 - N/A
 - N/A
 - N/A
 - N/A
 - METERING EQUIPMENT FOR LEED PROGRESS SUPPLIED BY PROVIDENT, INSTALLED BY ELECTRICAL CONTRACTOR
 - REFER TO DRAWING E-01 METER SCHEDULES FOR QUANTITY OF CT.
 - HYDRO METERS SUPPLIED BY TORONTO HYDRO, INSTALLED BY ELECTRICAL CONTRACTOR.

ELECTRICAL PANEL AND CIRCUIT DESIGNATION

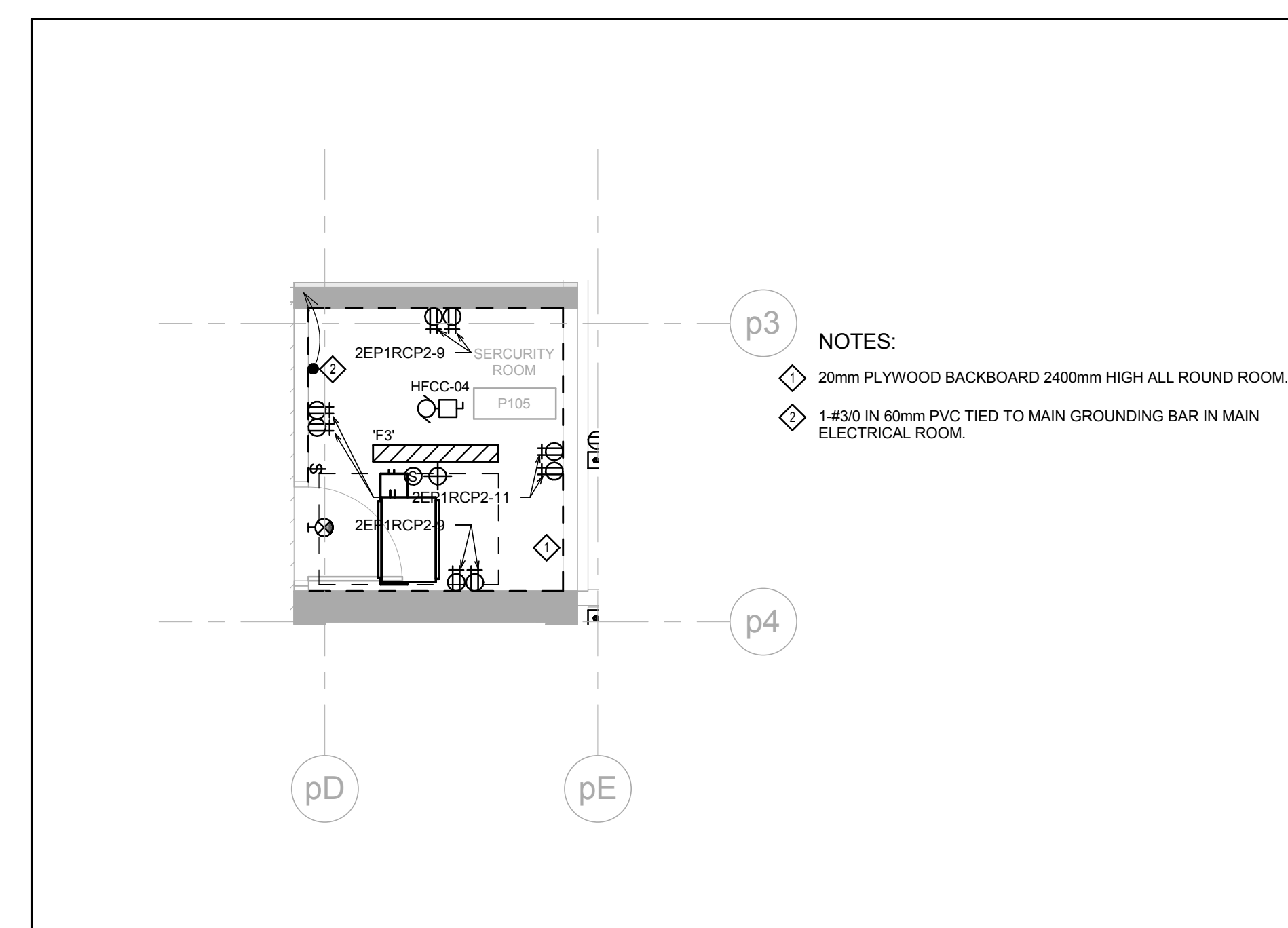
1. 2P/3P/4P/5P/6P/7P/8P/9P/10P/11P/12P/13P/14P/15P/16P/17P/18P/19P/20P/21P/22P/23P/24P/25P/26P/27P/28P/29P/30P/31P/32P/33P/34P/35P/36P/37P/38P/39P/40P/41P/42P/43P/44P/45P/46P/47P/48P/49P/50P/51P/52P/53P/54P/55P/56P/57P/58P/59P/60P/61P/62P/63P/64P/65P/66P/67P/68P/69P/70P/71P/72P/73P/74P/75P/76P/77P/78P/79P/80P/81P/82P/83P/84P/85P/86P/87P/88P/89P/90P/91P/92P/93P/94P/95P/96P/97P/98P/99P/100P/101P/102P/103P/104P/105P/106P/107P/108P/109P/110P/111P/112P/113P/114P/115P/116P/117P/118P/119P/120P/121P/122P/123P/124P/125P/126P/127P/128P/129P/130P/131P/132P/133P/134P/135P/136P/137P/138P/139P/140P/141P/142P/143P/144P/145P/146P/147P/148P/149P/150P/151P/152P/153P/154P/155P/156P/157P/158P/159P/160P/161P/162P/163P/164P/165P/166P/167P/168P/169P/170P/171P/172P/173P/174P/175P/176P/177P/178P/179P/180P/181P/182P/183P/184P/185P/186P/187P/188P/189P/190P/191P/192P/193P/194P/195P/196P/197P/198P/199P/200P/201P/202P/203P/204P/205P/206P/207P/208P/209P/210P/211P/212P/213P/214P/215P/216P/217P/218P/219P/220P/221P/222P/223P/224P/225P/226P/227P/228P/229P/230P/231P/232P/233P/234P/235P/236P/237P/238P/239P/240P/241P/242P/243P/244P/245P/246P/247P/248P/249P/250P/251P/252P/253P/254P/255P/256P/257P/258P/259P/260P/261P/262P/263P/264P/265P/266P/267P/268P/269P/270P/271P/272P/273P/274P/275P/276P/277P/278P/279P/280P/281P/282P/283P/284P/285P/286P/287P/288P/289P/290P/291P/292P/293P/294P/295P/296P/297P/298P/299P/300P/301P/302P/303P/304P/305P/306P/307P/308P/309P/310P/311P/312P/313P/314P/315P/316P/317P/318P/319P/320P/321P/322P/323P/324P/325P/326P/327P/328P/329P/330P/331P/332P/333P/334P/335P/336P/337P/338P/339P/340P/341P/342P/343P/344P/345P/346P/347P/348P/349P/350P/351P/352P/353P/354P/355P/356P/357P/358P/359P/360P/361P/362P/363P/364P/365P/366P/367P/368P/369P/370P/371P/372P/373P/374P/375P/376P/377P/378P/379P/380P/381P/382P/383P/384P/385P/386P/387P/388P/389P/390P/391P/392P/393P/394P/395P/396P/397P/398P/399P/400P/401P/402P/403P/404P/405P/406P/407P/408P/409P/410P/411P/412P/413P/414P/415P/416P/417P/418P/419P/420P/421P/422P/423P/424P/425P/426P/427P/428P/429P/430P/431P/432P/433P/434P/435P/436P/437P/438P/439P/440P/441P/442P/443P/444P/445P/446P/447P/448P/449P/450P/451P/452P/453P/454P/455P/456P/457P/458P/459P/460P/461P/462P/463P/464P/465P/466P/467P/468P/469P/470P/471P/472P/473P/474P/475P/476P/477P/478P/479P/480P/481P/482P/483P/484P/485P/486P/487P/488P/489P/490P/491P/492P/493P/494P/495P/496P/497P/498P/499P/500P/501P/502P/503P/504P/505P/506P/507P/508P/509P/510P/511P/512P/513P/514P/515P/516P/517P/518P/519P/520P/521P/522P/523P/524P/525P/526P/527P/528P/529P/530P/531P/532P/533P/534P/535P/536P/537P/538P/539P/540P/541P/542P/543P/



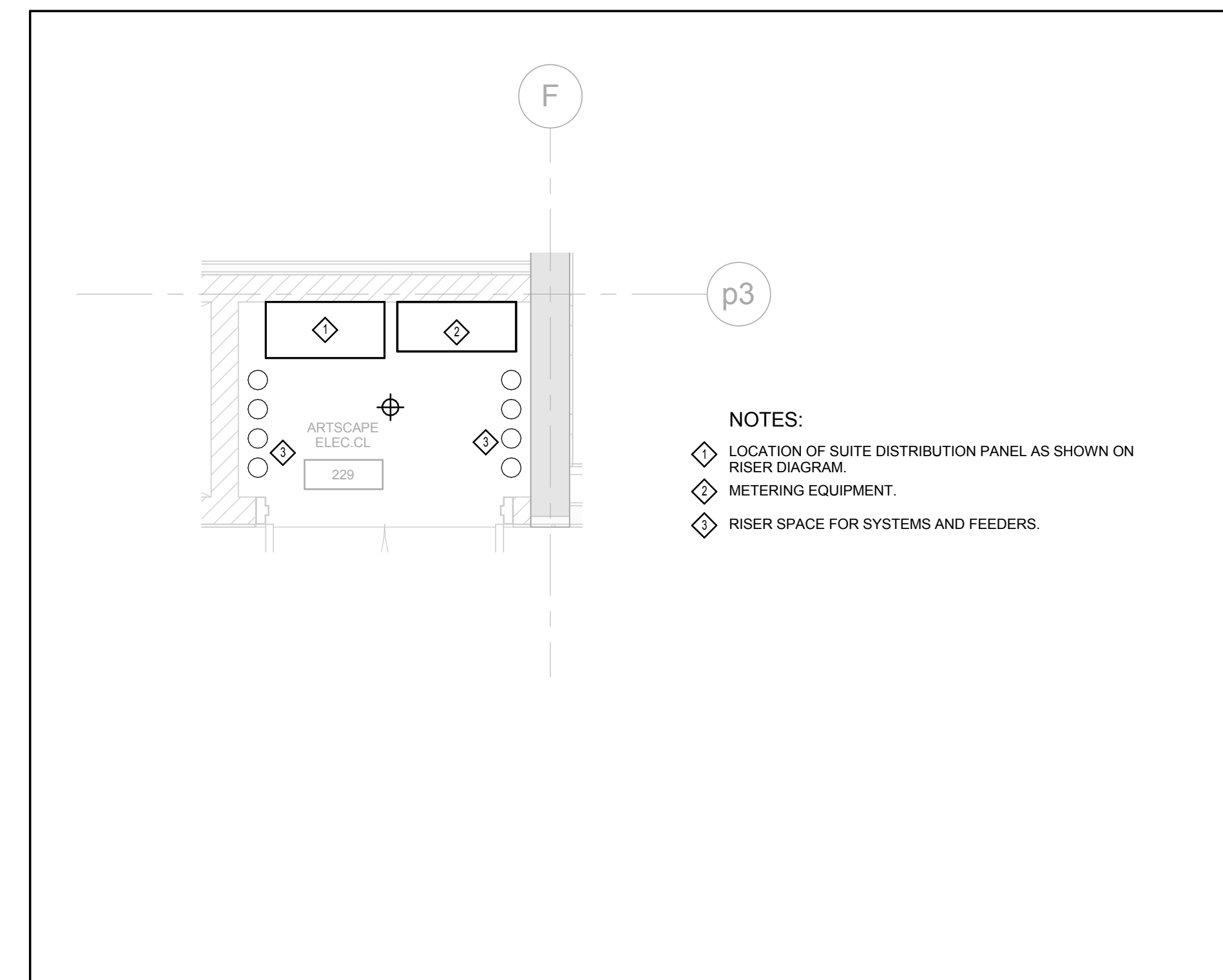
11 PARKS ELECTRICAL ROOM - LEVEL P2
1 : 50



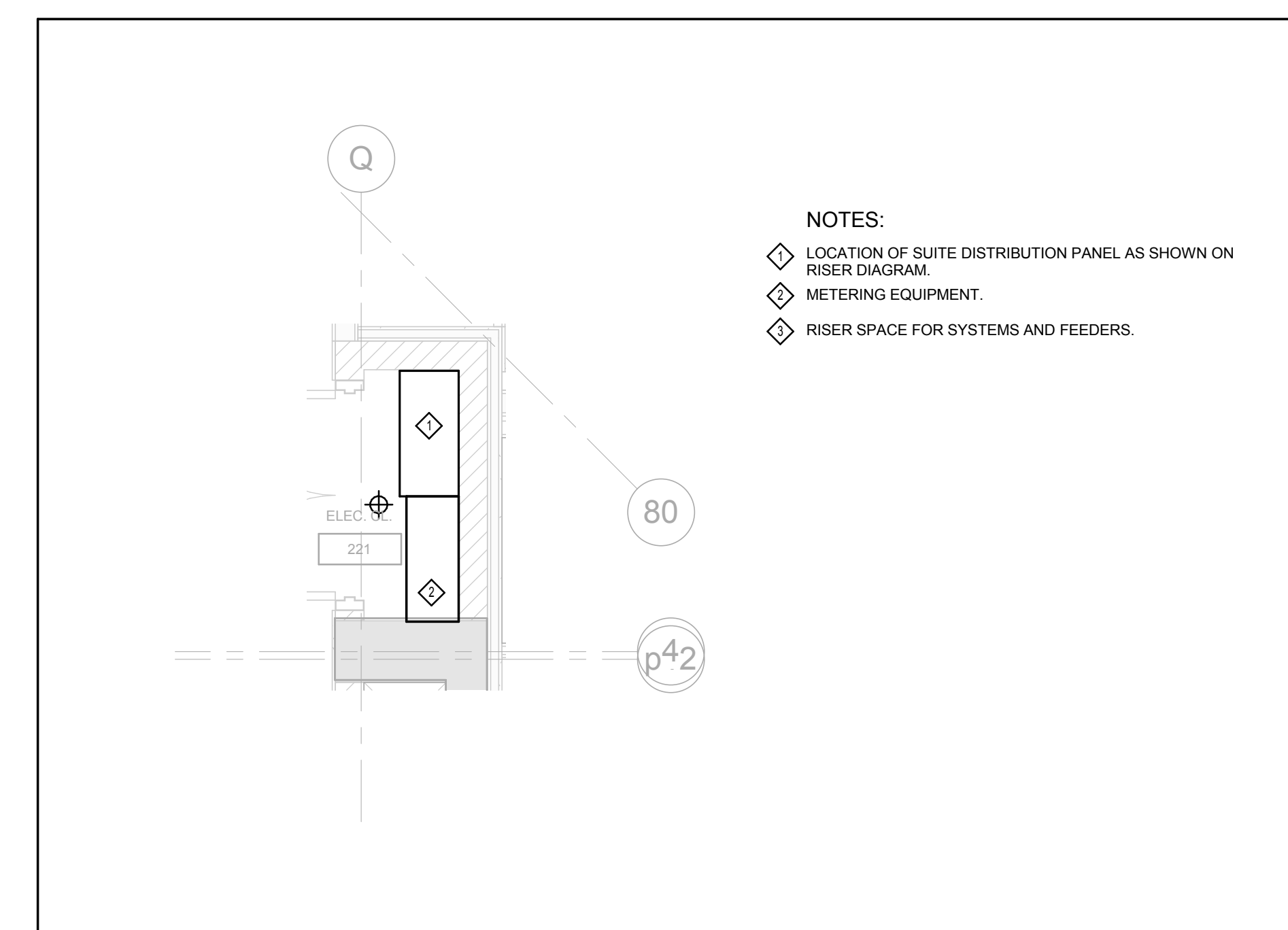
10 COMMERCIAL ELECTRICAL ROOM - LEVEL P1
1 : 50



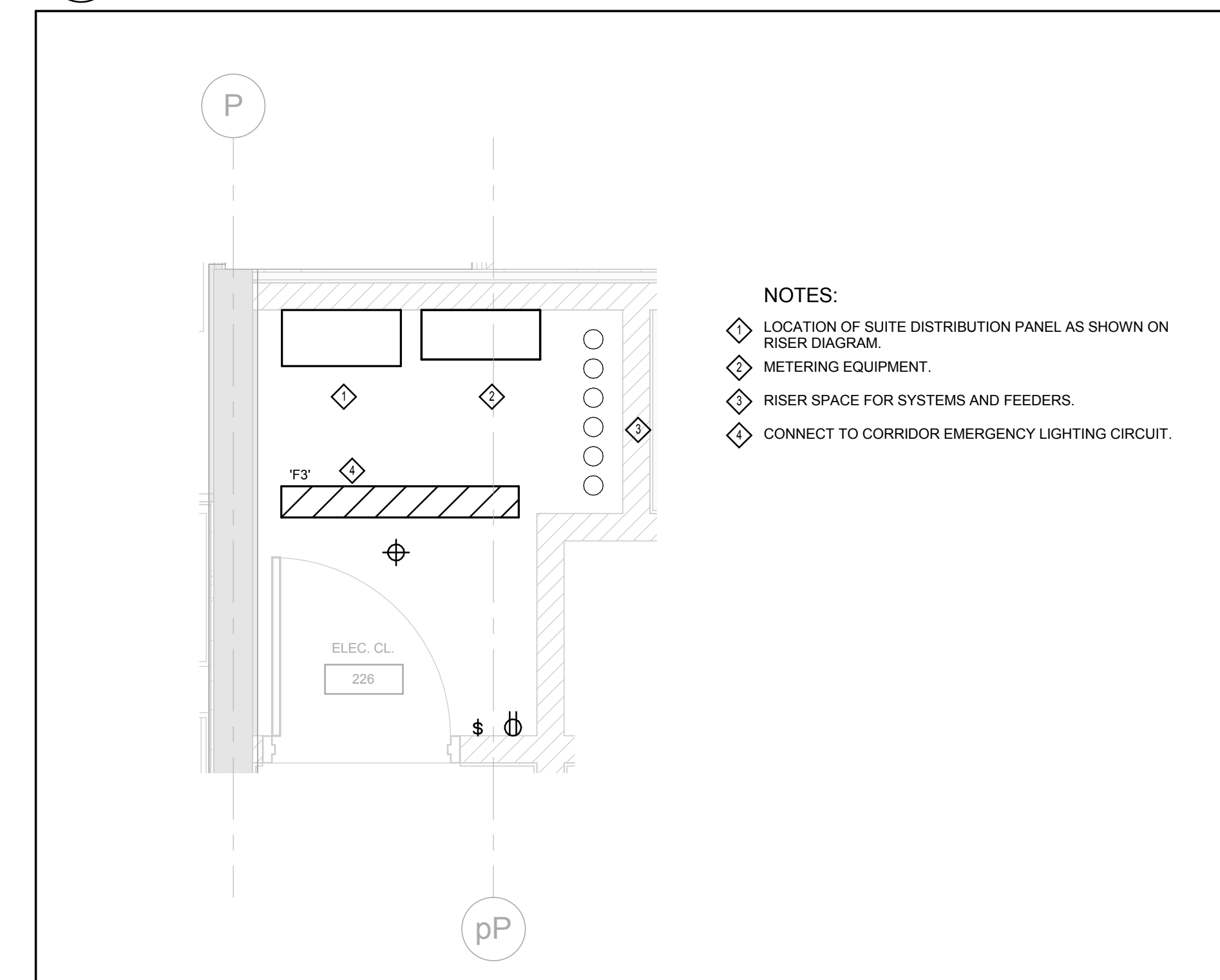
9 SECURITY ROOM P105
1 : 50



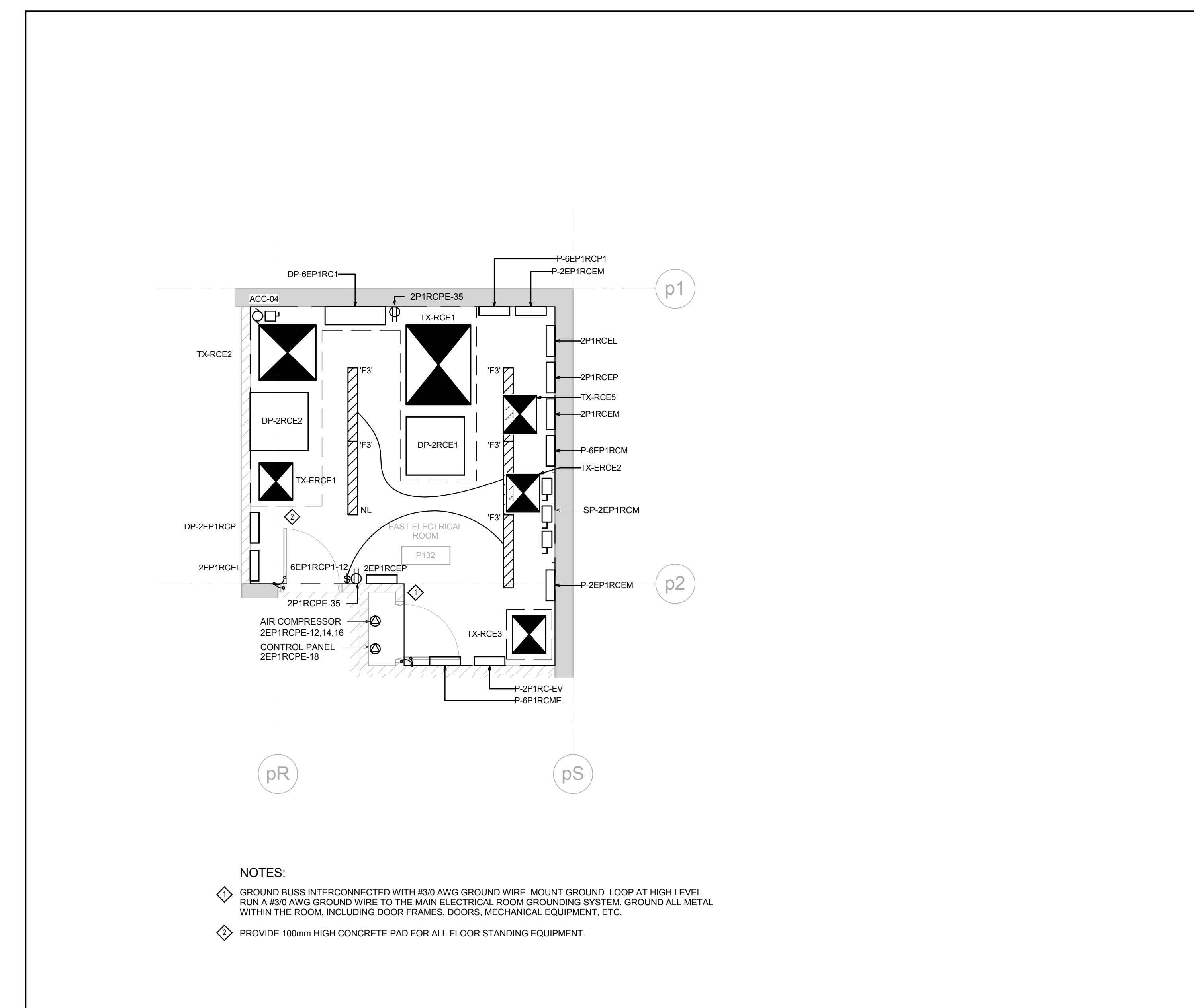
8 TYPICAL ELECTRICAL CLOSET - ARTSCAPE
1 : 25



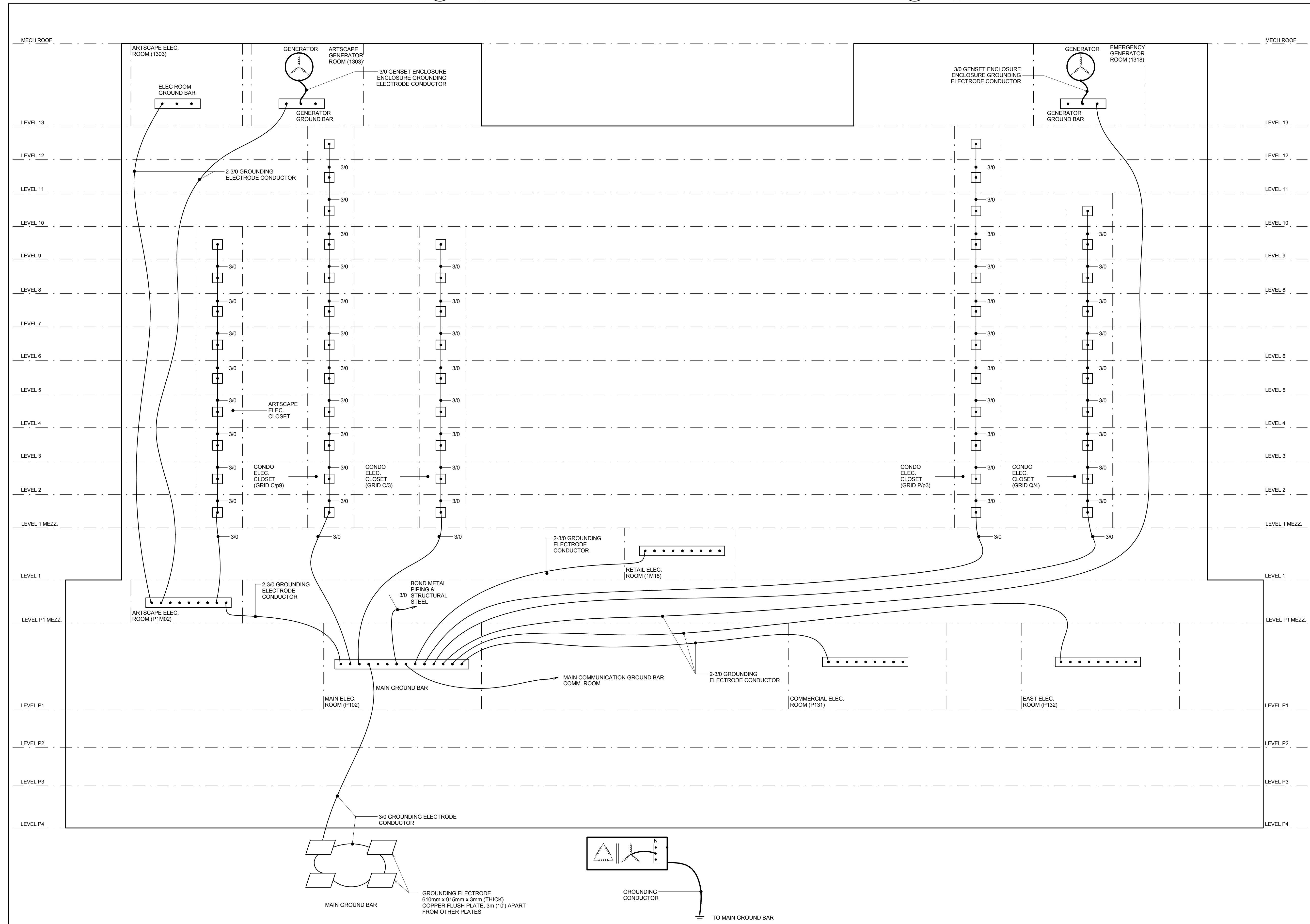
6 TYPICAL ELECTRICAL CLOSET - 4 - CONDO
1 : 25



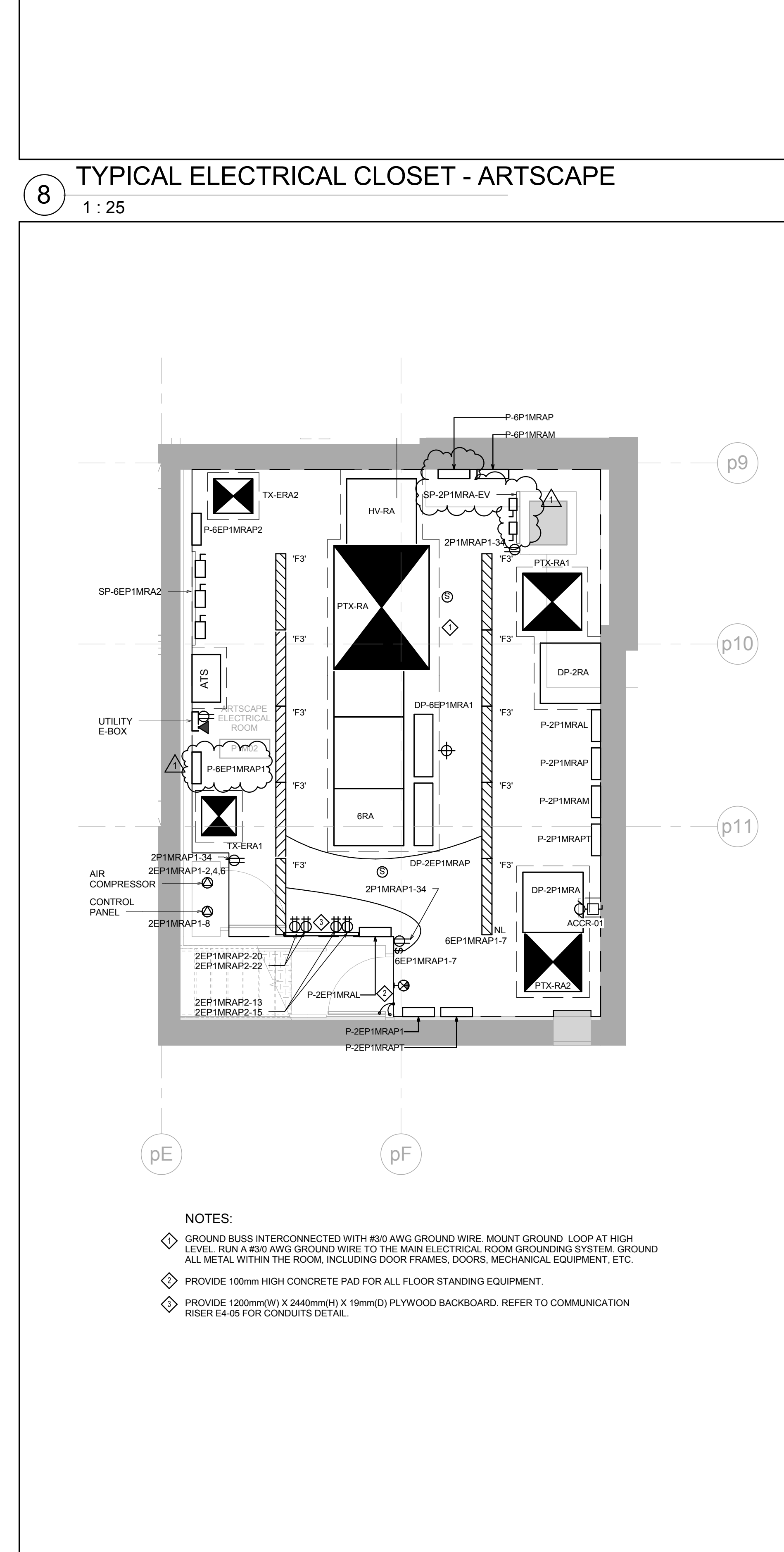
5 TYPICAL ELECTRICAL CLOSET - 3 - CONDO
1:25



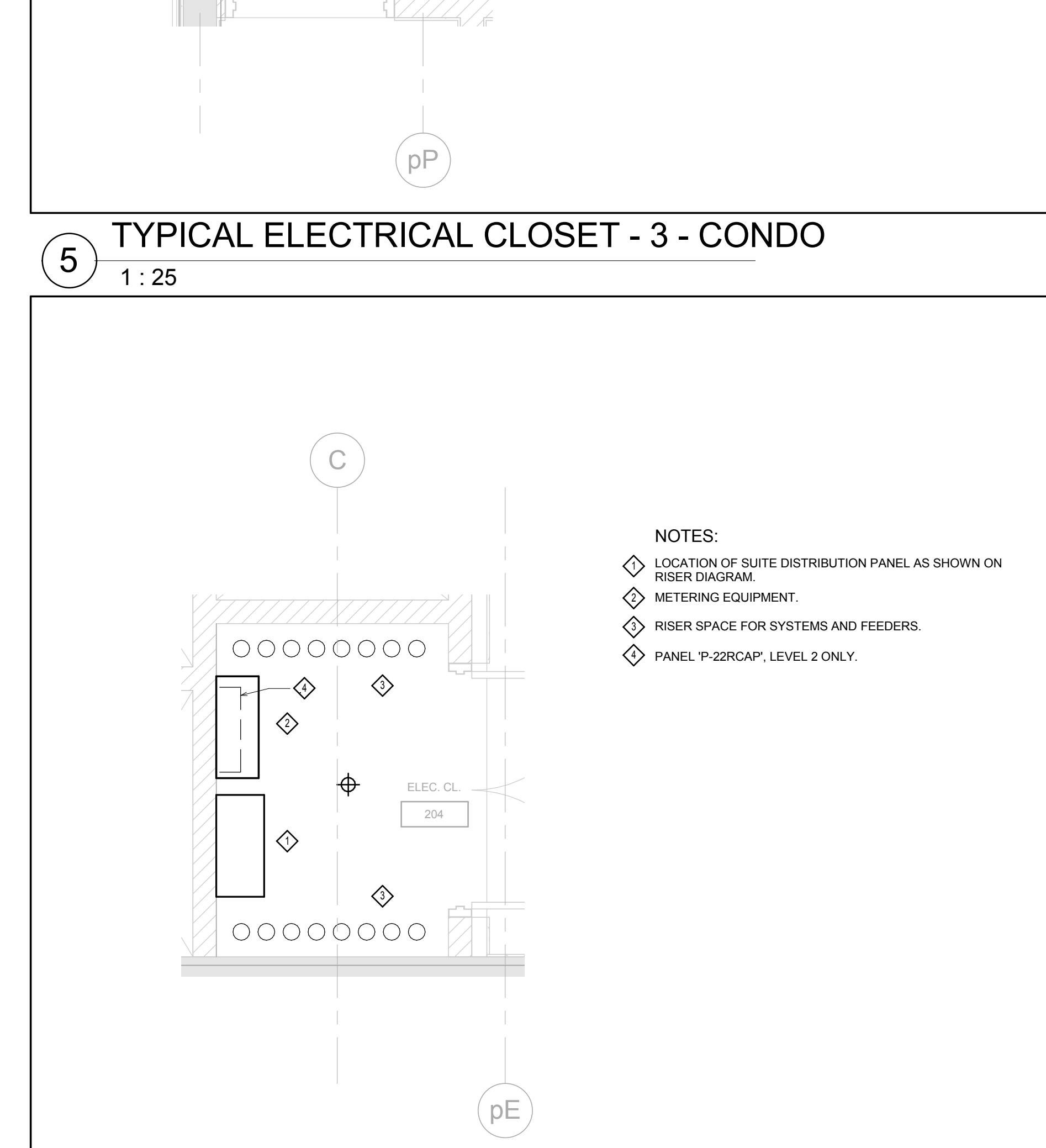
2 EAST ELECTRICAL ROOM - LEVEL P1
1 : 50



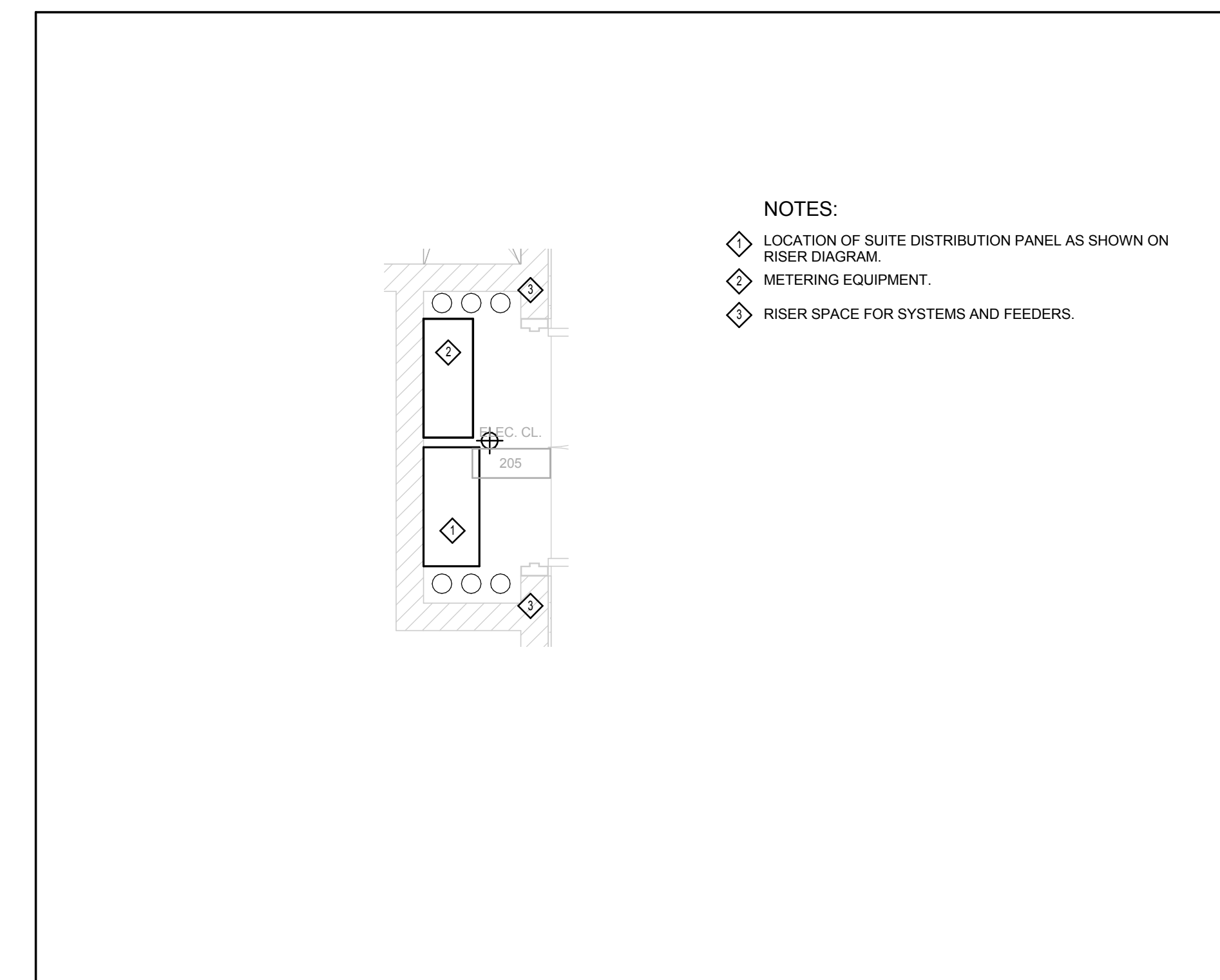
12 GROUNDING RISER DIAGRAM
N.T.S



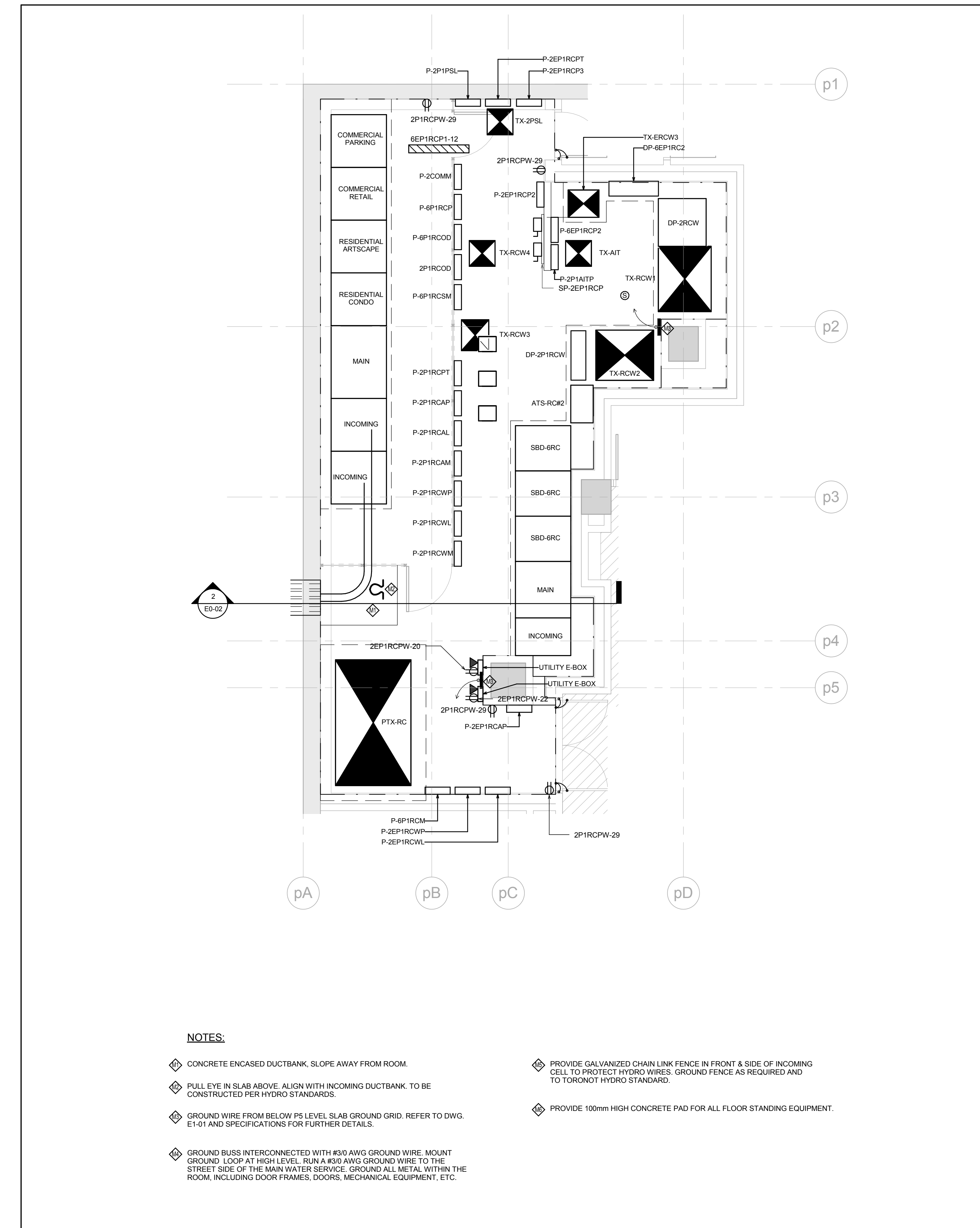
7 ARTSCAPE ELECTRICAL ROOM - LEVEL P1 MEZZANINE
1 : 50



4 TYPICAL ELECTRICAL CLOSET - 2 - CONDO
1:25



3 TYPICAL ELECTRICAL CLOSET - 1 - CONDO
1 : 25



1 MAIN ELECTRICAL ROOM - LEVEL P1
1 : 50

PUMP SCHEDULE

REFERENCE	DESCRIPTION	LOCATION	OWNERSHIP	WATER FLOW (L/S)	HEAD (NPA)	RPM	MANUFACTURER	TYPE / SIZE	ENERGY REQUIRED (HP)	MOTOR SIZE (KW)	POWER SUPPLY				STARTER				CONTROLS				OTHER REQUIREMENTS			REMARKS				
											VOLTS	PHASE	FED FROM	EM.	NORM	SUPPLIED BY:		INSTALLED BY:		TYPE	MANUAL	AUTO.	INTERLOCK BY:		W.P. DISC. AT MOTOR		DISC. AT MOTOR	F.A. SHUT.		
																DIV. 15	DIV. 16	DIV. 15	DIV. 16				DIV. 15	DIV. 16						
PC-01	CONDENSER WATER PUMP	MROOM P4	CONDO	64.4	274	1800	ARMSTRONG	4300 0611-040	-	30.0	575	3	6P4RCM	-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY.	
PC-02	CONDENSER WATER PUMP	MROOM P4	CONDO	64.4	274	1800	ARMSTRONG	4300 0611-040	-	30.0	575	3		-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY.	
PC-03	CHILLED WATER PUMP	MROOM P4	CONDO	51.5	324	1800	ARMSTRONG	4300 0611-040	-	30.0	575	3		-	YES	YES	-	YES	-	VFD	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSINGLESS CONTROL SOFTWARE, ONE DUTY / ONE STANDBY PACKAGE UNIT - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS	
PC-04	CHILLED WATER PUMP	MROOM P4	CONDO	51.5	324	1800	ARMSTRONG	4300 0611-040	-	30.0	575	3		-	YES	YES	-	YES	-	VFD	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSINGLESS CONTROL SOFTWARE, ONE DUTY / ONE STANDBY PACKAGE UNIT - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS	
PC-05	BOILER # 1 PUMP	MROOM P4	CONDO	8.8	74	1800	ARMSTRONG	4300 0300-002	-	1.5	575	3	6EP4RCM	YES	-	YES	-	YES	-	CM PWR	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT	
PC-06	BOILER # 2 PUMP	MROOM P4	CONDO	8.8	74	1800	ARMSTRONG	4300 0300-002	-	1.5	575	3	6P4RCM	-	YES	YES	-	YES	-	CM PWR	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT	
PC-07	BOILER # 3 PUMP	MROOM P4	CONDO	8.8	74	1800	ARMSTRONG	4300 0300-002	-	1.5	575	3	6P4RCM	-	YES	YES	-	YES	-	CM PWR	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT	
PC-08	BOILER # 4 PUMP	MROOM P4	CONDO	8.8	60	1800	ARMSTRONG	4300 0300-01.5	-	1.1	575	3	6P4RCM	-	YES	YES	-	YES	-	CM PWR	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT	
PC-09	BOILER # 5 PUMP	MROOM P4	CONDO	8.8	60	1800	ARMSTRONG	4300 0300-01.5	-	1.1	575	3	6P4RCM	-	YES	YES	-	YES	-	CM PWR	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT	
PC-10	HIGH TEMP. SEC. PUMP	MROOM P4	CONDO	18.0	195	1800	ARMSTRONG	4300 0300-007.5	-	5.6	575	3	6P4RCM	-	YES	YES	-	YES	-	VFD	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSINGLESS CONTROL SOFTWARE, ONE DUTY / ONE STANDBY PACKAGE UNIT - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS	
PC-11	HIGH TEMP. SEC. PUMP	MROOM P4	CONDO	18.0	195	1800	ARMSTRONG	4300 0300-007.5	-	5.6	575	3		-	YES	YES	-	YES	-	VFD	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSINGLESS CONTROL SOFTWARE, ONE DUTY / ONE STANDBY PACKAGE UNIT - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS	
PC-12	LOW TEMP. SEC. PUMP	MROOM P4	CONDO	28.4	255	1800	ARMSTRONG	4300 0610-020	-	15.0	575	3		-	YES	YES	-	YES	-	VFD	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSINGLESS CONTROL SOFTWARE, ONE DUTY / ONE STANDBY PACKAGE UNIT - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS	
PC-13	LOW TEMP. SEC. PUMP	MROOM P4	CONDO	28.4	255	1800	ARMSTRONG	4300 0610-020	-	15.0	575	3		6EP4RCM	YES	-	YES	-	YES	-	VFD	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, INTEGRATED VFD WITH SENSINGLESS CONTROL SOFTWARE, ONE DUTY / ONE STANDBY PACKAGE UNIT - VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS
PC-14	MUA-1 HEATING PUMP	MROOM P1	CONDO	2.0	125	1800	ARMSTRONG	4300 1500-001.5	-	1.1	575	3	6P1RCM	-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT	
PC-15	MUA-1 HEATING PUMP	MROOM P1	CONDO	2.0	125	1800	ARMSTRONG	4300 1500-001.5	-	1.1	575	3		-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT	
PC-16	MUA-2 HEATING PUMP	MROOM L1 M2	CONDO	5.1	130	1800	ARMSTRONG	4300 0200-003	-	2.2	575	3		-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT	
PC-17	MUA-2 HEATING PUMP	MROOM L1 M2	CONDO	5.1	130	1800	ARMSTRONG	4300 0200-003	-	2.2	575	3		6P1RCM	-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT
PC-18	MUA-3 HEATING PUMP	MROOM PH	CONDO	5.3	130	1800	ARMSTRONG	4300 0200-003	-	2.2	575	3	6P4RCM	-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT	
PC-19	MUA-3 HEATING PUMP	MROOM PH	CONDO	5.3	130	1800	ARMSTRONG	4300 0200-003	-	2.2	575	3		-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT	
PC-20	BOILER # 6 PUMP	MROOM P4	CONDO	5.7	80	1800	ARMSTRONG	4300 0200-001.5	-	1.1	575	3		6P4RCM	-	YES	YES	-	YES	-	CM PWR	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT
PC-21	BOILER # 7 PUMP	MROOM P4	CONDO	5.7	80	1800	ARMSTRONG	4300 0200-001.5	-	1.1	575	3		6P4RCM	-	YES	YES	-	YES	-	CM PWR	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT
PC-22	BOILER # 8 PUMP	MROOM P4	CONDO	5.7	80	1800	ARMSTRONG	4300 0200-001.5	-	1.1	575	3	6P4RCM	-	YES	YES	-	YES	-	CM PWR	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT	
PC-23	DHW HEATING SEC. PUMP	MROOM P4	CONDO	19.2	170	1800	ARMSTRONG	4300 0300-007.5	-	5.6	575	3	6P4RCM	-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT	
PC-24	DHW HEATING SEC. PUMP	MROOM P4	CONDO	19.2	170	1800	ARMSTRONG	4300 0300-007.5	-	5.6	575	3		-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW ISOLATION DISCONNECT, ONE DUTY / ONE STANDBY PACKAGE UNIT	
PC-25	DOMESTIC BOOSTER PUMP	MROOM P1	CONDO	10.1	560	3525	GRUNDFOS	MPC-ECUE/3CR30.3	-	11.2	575	3		SW60-6RC	-	YES	YES	-	YES	-	VFD	-	YES	YES	-	-	DIV. 15	-	-	PACKAGE CW CONTROL PANEL, VFD, PWS AND EXPANSION TANK PRESSURES REQUIRED AFTER PWS - MANUFACTURER TO CONFIRM STREET PRESSURE AT SITE PRIOR TO MANUFACTURE OF PUMPS, VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS, PROVIDE 2 SEPARATE CONTROLLERS (ONE NORMAL ONE EMERGENCY POWER) WITH INTERLOCKED CONTROLS TO ALLOW EMERGENCY PUMP TO OPERATE UNDER EMERGENCY POWER
PC-26	DOMESTIC BOOSTER PUMP	MROOM P1	CONDO	10.1	560	3525	GRUNDFOS	MPC-ECUE/3CR30.3	-	11.2	575	3		-	YES	YES	-	YES	-	VFD	-	YES	YES	-	-	DIV. 15	-	-	PACKAGE CW CONTROL PANEL, VFD, PWS AND EXPANSION TANK PRESSURES REQUIRED AFTER PWS - MANUFACTURER TO CONFIRM STREET PRESSURE AT SITE PRIOR TO MANUFACTURE OF PUMPS, VFD MUST BE COMPATIBLE WITH SIEMENS FLN BAS, PROVIDE 2 SEPARATE CONTROLLERS (ONE NORMAL ONE EMERGENCY POWER) WITH INTERLOCKED CONTROLS TO ALLOW EMERGENCY PUMP TO OPERATE UNDER EMERGENCY POWER	
PC-27	DOMESTIC BOOSTER PUMP	MROOM P4	CONDO	10.1	560	3525	GRUNDFOS	MPC-ECUE/3CR30.3	-	11.2	575	3	6EP1RCF2	YES	-	YES	-	YES	-	VFD	-	YES	YES	-	-	DIV. 15	-	-	PACKAGE UNIT CW ILC LABELLED, CONTROLLER REDUCED VOLTAGE STARTER TRANSFER SWITCH AND JOCKEY PUMP.	
PC-28	FIRE PUMP	MROOM	CONDO	47.3	760	3600	ARMSTRONG	VLM-6WLB F-75	-	37.3	575	3	SW6RC, 6P4RRRC	YES	-	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	PACKAGE UNIT CW ILC LABELLED, CONTROLLER REDUCED VOLTAGE STARTER TRANSFER SWITCH AND JOCKEY PUMP.	
PC-29	JOCKEY PUMP	MROOM	CONDO	0.5	820	3600	ARMSTRONG	4700-VMS-03-08.2	-	2.2	575	3	6EP1RCM	YES	-	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	PACKAGE UNIT CW ILC LABELLED, CONTROLLER REDUCED VOLTAGE STARTER TRANSFER SWITCH AND JOCKEY PUMP.	
PC-30	SANITARY SUMP PUMP	FD LEVEL	CONDO	6.3	240	1800	BARNES	45E-7954L	-	5.6	575	3	6EP4RCM	YES	-	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.	
PC-31	SANITARY SUMP PUMP	FD LEVEL	CONDO	6.3	240	1800	BARNES	45E-7954L	-	5.6	575	3		-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.	
PC-32	STORM SUMP PUMP	FD LEVEL	CONDO	3.2	300	1800	BARNES	45E-11354L	-	8.4	575	3		-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.	
PC-33	STORM SUMP PUMP	FD LEVEL	CONDO	3.2	300	1800	BARNES	45E-11354L	-	8.4	575	3		6EP4RCM	YES	-	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.
PC-34	WEEPIG SUMP PUMP	FD LEVEL	CONDO	3.2	300	1800	BARNES	45E-11354L	-	8.4	575	3	6EP4RCM	YES	-	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.	
PC-35	WEEPIG SUMP PUMP	FD LEVEL	CONDO	3.2	300	1800	BARNES	45E-11354L	-	8.4	575	3		-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.	
PC-36	ELEVATOR SUMP PUMP	FD LEVEL	CONDO	6.3	240	1800	BARNES	45E-7954L	-	5.6	575	3		-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.	
PC-37	ELEVATOR SUMP PUMP	FD LEVEL	CONDO	6.3	240	1800	BARNES	45E-7954L	-	5.6	575	3		6EP4RCM	YES	-	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.
PC-38	ELEVATOR SUMP PUMP	FD LEVEL	CONDO	6.3	270	1800	BARNES	45E-11354L	-	8.4	575	3	6EP4RCM	YES	-	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.	
PC-39	ELEVATOR SUMP PUMP	FD LEVEL	CONDO	6.3	270	1800	BARNES	45E-11354L	-	8.4	575	3		-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.	
PC-40	ELEVATOR SUMP PUMP	FD LEVEL	CONDO	9.5	240	1800	BARNES	45E-11354L	-	8.4	575	3		-	YES	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES.	
PC-41	ELEVATOR SUMP PUMP	FD LEVEL	CONDO	9.5	240	1800	BARNES	45E-11354L	-	8.4	575	3		6EP4RCM	YES	-	YES	-	YES	-	PKG	-	YES	YES	-	-	DIV. 15	-	-	CW SLIDE AWAY COUPLINGS, GALVANIZED LIFTING CHAINS, DUPLEX CONTROL PANEL, DISCONNECT SWITCH IN CEMA 1 ENCLOSURE, CW HIGH WATER ALARM PANEL, EXTRA RELAY IN CEMA 1 ENCLOSURE AND MECHANICAL FLOAT SWITCHES