



818 S. FLORES ST. □ SAN ANTONIO, TEXAS 78204 □□□ www.saha.org

Procurement Department

ADDENDUM # 3

To: **File 1805-909-23-4796**
RFP for: **Victoria Plaza Rehabilitation and Modernization**

Please note the following additions and changes:

Please note closing date and time, has changed to July 20, 2018 at 2:00 p.m.
see answer to Question 17.

- A. See attached Supplement to the Room Finishes.
- B. In the abatement plan please note the following: While converting the specification into pdf form, the exterior door frame caulking listed below carried over to page 2 creating a duplicate. There is only 5,000 linear feet of the material at the building. Please have contractors exclude the duplicate.

§ Exterior Door Frame Caulking - The brown door frame caulking material utilized around the exterior metal door frames throughout were previously identified by PSI to contain 2% Chrysotile asbestos. The asbestos-containing door frame caulking materials identified were noted to be in a good condition and were assessed as being non-friable. It is estimated that there exists approximately 5,000 linear feet of this materials in the above listed areas.
- C. See attached image of the Project Building
- D. Pre-submittal Sign in sheets are attached
- E. Replacement pages are attached for the drawings which were having print and reading issues.
- F. Replace Section D sub-section V. Liquidated Damages with the following:
LIQUIDATED DAMAGES: For each day that performance under the contract is delayed beyond the time specified for completion, the successful Respondents shall be liable for liquidated damages in the amount of \$500.00 per day. However, the timeframe for performance may be adjusted at SAHA's discretion in writing prior to default under the contract.

The following questions were received:

- Question 1:** What is the amount of the Liquidated Damages, our bonding companies will need to know this?
Answer 1: \$500.00 per day see above change.
- Question 2:** What is the estimated construction cost range?
Answer 2: Our estimated range for this project is \$10,000,000 to \$11,000,000 (+/-).
- Question 3:** Will you post the sign in sheets for this pre-submittal?
Answer 3: Sign In sheets are attached.



Question 4: What is the specked product and color for the solid surface tops in the Break room on the first floor?

Answer 4: Please refer to the interior finish supplement attachment. The color will be selected from the manufacturer's color palate.

Question 5: Regarding the window installation; Both products specified have a frame depth of 3 1/4". The existing product is just under 3 3/4". There is going to be a 1/2" gap to account for inside or outside. Need a detail on how to finish that off.

Answer 5: Contractor should make every effort to match existing and must meet minimum specifications. If a non-matching product is used, contractor should bid to include a turnkey, finished product. The 1/2" "gap" indicated is not a gap, as the difference just exposes a bit more of the interior wall jamb or sill surface than the previous solution. The existing materials and associated painting shall be extended to the back of the new window frame in these instances.

Question 6: We will not have the ability to use anchor clips to secure the windows. Need clarification on how they want to secure the new windows with the given wall conditions.

Answer 6: Contractor shall refer to manufacturer's specifications. Clips may be utilized however they may also require some selective demolition around the openings to tie in the waterproofing. Bidder has some freedom to determine their best solution to the problem.

Question 7: Will the 5" aluminum sill on the exterior remain or does that need to be bid to be replaced along with the windows?

Answer 7: The window sub sills and the aluminum extrusion which acts as a sill over the face brick do not need to be replaced if they work with the replacement windows, but if they do not, then they must be replaced with new profiles to match the existing in look and performance.

Question 8: Having trouble getting the drawings to print properly, on a number of sheets the notes and specs only print portions of the words the rest is just blank boxes.

Answer 8: See attached revised drawings.

Question 9: Window not shown on elevator or schedule. Please supply info and quantity (A103).

Answer 9: See attached clarification.

Question 10: Please provided mark for first floor windows (A200 and A201).

Answer 10: See attached clarification.

Question 11: Please identify first floor windows (A203).

Answer 11: See attached clarification.

Question 12: Windows on A202 beneath the roof tower are not shown on the schedule.

Answer 12: See attached clarification.



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Question 13: The specs for the Fire Alarm at Victoria Plaza reference an EST panel or equivalent. Would Gamewell-FCI, Silent Knight, Fire-Lite or Farenhyt be accepted if the functions and operations are equal to that of EST products?

Answer 13: As long as the function and quality are equal SAHA will consider and may accept alternate products. Please refer to Section D subsection H "EQUAL" (page 24) of the RFP.

Question 14: There are currently two Fire Alarm Panels on site will this be reduced to one complete system?

Answer 14: The new Fire Alarm System has a voice evacuation system, which replaces both of the existing systems. We have no objection to Notifier.

Question 15: Are there any special function systems on site? i.e. clean agent systems

Answer 15: There are no special agent systems.

Question 16: Other Systems Acceptable?

Answer 16: See response to Question 13.

Question 17: We would like to request an extension on the bid date for Victoria Plaza.

Answer 17: The closing date and time are changed to July 20, 2018 at 2:00 p.m.

Question 18: Sht M1.2 note 2 states that restroom exhaust fans are to be provided by division 26 and installed by mechanical contractor. Please clarify which division this equipment is to be supplied under, as this equipment is mechanically spec'd (Section 23 34 00) and scheduled (M0.2).

Answer 18: The note indicates the restroom exhaust fan is to be provided by div 26, but the mechanical contractor is to provide and install exhaust ductwork. The note does not say the mechanical contractor is to install the fan. We do have an exhaust fan on the roof to serve the apartments that are by the elevator lobby. This is specified by Div 23.

By: Charles R Bode
Charles Bode Asst. Director of Procurement

Date: July 2, 2018

ADDENDUM

RESPONSES TO RFI QUESTIONS ON WINDOWS

SHEET A-103 Floor Plan Level 2 to 9

Question: Window Not shown on Elevation or Schedule. Please supply info and quantity.

Answer: There is no new window at Central Stairs. See Sheet A-190, Note 9 referring to Alternate #2 Stair Pressurization.

SHEET A-200 Exterior Elevation North

Question: Window as drawn, does not appear on schedule. Please supply info. please confirm windows labeled in red as “K” are correct.

Answer: Banks of windows on Level 1 are all “K” type, Quad, Double or Triple, Single Hung

SHEET A-201 Exterior Elevation South

Question: Windows not shown on schedule. Please supply Info.

Answer: Windows on Level 1 are #27 Type, 2'-0" H x 3'-0" W, Casement, match other PGT series

SHEET A-202 Exterior Elevation East

Question: Windows not shown on schedule. Please supply info.

Answer: Windows (48 count) are 2'-10 ¾" H x 2'-7" W, Single Hung, match other PGT series

Answer: Windows (24 count) are “L” Type, 5'-9 ½" H x 2'-7" W, Single hung, match other PGT series

SHEET A-203 Exterior Elevation West

Question: Please confirm windows labeled in red as “K” are correct.

Answer: Banks of windows on Level 1 are “K” type, Quad Single Hung



SIGN IN SHEET
1805-909-23-4796 Victoria Plaza Rehabilitation and Modernization
June 20, 2018

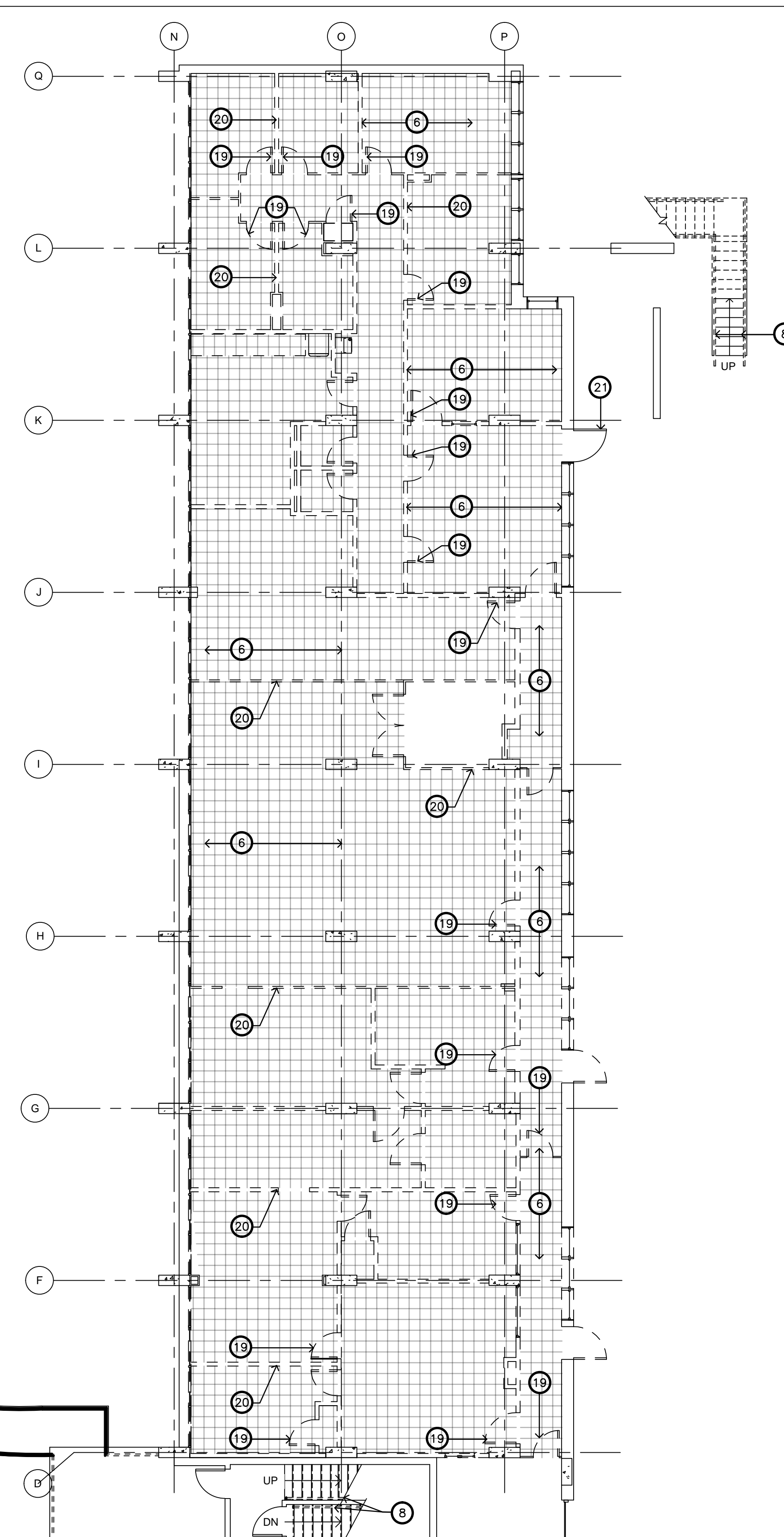
Name (Please print)	Company Name & Address	Phone Number	e-mail
Charles Bode	SAHA	210-477-6703	charles_bode@saha.org
Kalon Lewis	MEF sub K-Air 5413 Bandera Rd Ste 403	210 393 8549	Kalon @K-air corporation.com
Jonathon Chew	MEF sub K-Air 5413 Bandera #403	346 387 2261	jonathon@k-air corporation.com
Gus Fones	JTC Remon Demolition.	(210)225-1583	gusfo@remondemolition.com
Tosert Anstett	JTC Remon Demolition.	(760)225-1583	jacob@remondemolition.com
Frank Foner	Alamo I	210-404-1220	frank@alamo1.com
Chris Sleumer	Robbles I	210-787-9325	chris@robbles1.net

Name (Please print)	Company Name & Address	Phone Number	e-mail
JJS Perez	MLP Ventures Inc P.O. Box 840 Van Dorn TX 76073	210-623-8172	jj.mlp@att.net
Frank Barza	Heat + Treat	(210) 792-8966	Frank@heatandtreat.com
Mike Nguyen	Cleanology Services, Supply	(210) 523-6102	mike@cleanologyservices.com
Linda Nemec	Stoddard Construction management inc	830 438 5904	bids@stoddardmi.com ✓

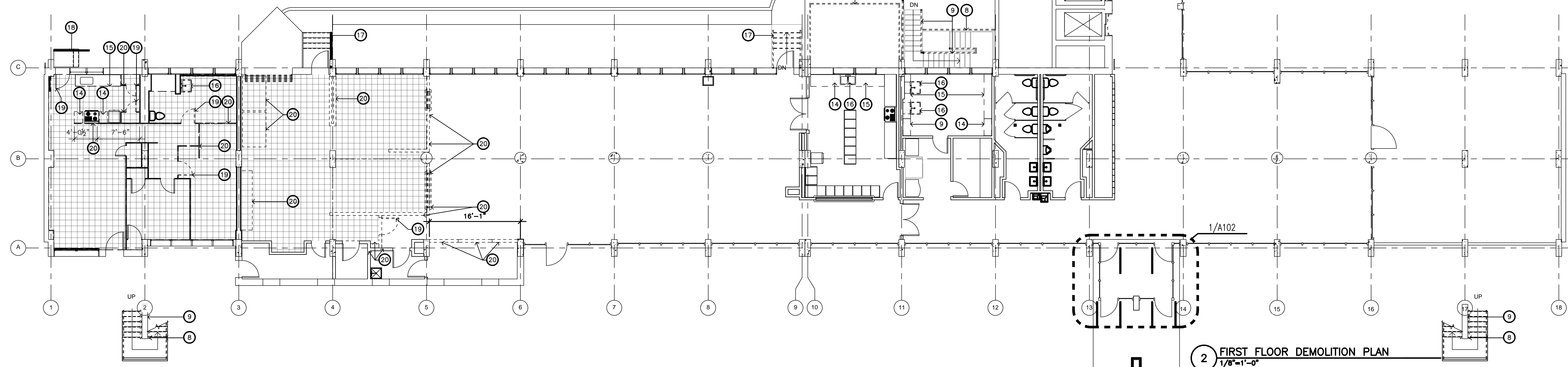
Name (Please print)	Company Name & Address	Phone Number	e-mail
Steve Douglas	Almond 2900 Newsletters Rd SPARTA 28217	210-336-8421	Steve@almond1.com ✓
Joseph H. Schuchman	CAR/DAD, 3703 PERDIE ORK	210-3476868	JSchuchman@CAR/DAD LLC ✓
ESTERAN WIRELES	AMSTAR INC. 1211 PERSANTON RD 78214	210-784-8255	@Estern@AMSTAR INC ✓
John Blackwell	AMERICAN ROOFING & METAL 801 WYOMING S.A. TX 78203	210-224-5463	John@amerroofing.com ✓
JUSTIN HOWE	WINDOW EXPERTS 26209 S. GLENROSE SA TX 78260	210-254-0830	JUSTINHOWE@WINDOWEXPERTS TX.COM ✓
Hector Martinez	SATA	210-477-6507	Hector_Martinez@sata.org ✓
Zac Woodard	SANA	210-477-6217	Zachwoodard@sana.org ✓
Sam Polansky	DHR ARCHITECTS	210-308-0080	S.Polansky@DHRARCHITECTS.COM ✓



1 BASEMENT DEMOLITION PLAN
1/8"=1'-0"



2 FIRST FLOOR DEMOLITION PLAN
1/8"=1'-0"



- GENERAL NOTES**
- REFERENCE MECHANICAL SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
 - REFERENCE ELECTRICAL SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
 - REFERENCE PLUMBING SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
 - GENERAL CONTRACTOR IS HEREBY NOTIFIED THAT THERE ARE SOME APARTMENTS THAT HAVE TWO LAYERS OF VCT, THE BOTTOM LAYER BEING THE LAYER WITH THE ASBESTOS CONTAINING MASTIC.
 - GENERAL CONTRACTOR IS TO REMOVE ALL ROOF CURBS, VENT COVERS, EDCR FLASHING, ROOFING AND ROOFING INSULATION. PREP SURFACES FOR NEW ROOFING.
- KEY NOTES**
- REMOVE EXISTING WALL MOUNT HOT WATER RADIATOR
 - REMOVE EXISTING WINDOWS, SUB SILL TO REMAIN
 - REMOVE EXISTING PLASTER PARTITION FOR ACCESS TO CONCEALED PIPING.
 - REMOVE CEILING AS REQUIRED TO MODIFY SHOWER PIPING
 - REMOVE EXISTING ELECTRICAL PANEL
 - REMOVE EXISTING VCT, BASE AND ABATE VCT MASTIC
 - REMOVE EXISTING CERAMIC TILE FLOORING AND PREP FOR NEW SHOWER PAN INSTALLATION
 - REMOVE EXISTING METAL GUARDRAIL
 - REMOVE EXISTING METAL HANDRAIL
 - REMOVE LAY-IN CEILING SYSTEM TO ALLOW INSTALLATION OF FIRE SPRINKLER SYSTEM AND PLUMBING PIPES
 - REMOVE PLASTER CEILING AS REQUIRED TO INSTALL FIRE SPRINKLER SYSTEM AND M.E.P
 - CORE DRILL CONCRETE SLAB FOR NEW HYDRONIC LINES
 - REMOVE LOWER CABINET AND UPPER CABINET TO PROVIDE ACCESS TO CONCEALED PIPING. PREP FOR RE-INSTALLATION.
 - REMOVE EXISTING CABINET
 - REMOVE EXISTING COUNTERTOP
 - REMOVE EXISTING PLUMBING FIXTURE
 - EXISTING HANDRAILS TO REMAIN
 - REMOVE EXISTING HANDRAILS AND PREPARE FOR EXTENSION AS REQUIRED FOR ADA
 - REMOVE EXISTING DOOR AND FRAME
 - REMOVE EXISTING PARTITION
 - EXISTING EGRESS DOOR TO REMAIN
 - REMOVE EXISTING KITCHEN EQUIPMENT
 - REMOVE EXISTING WINDOWS
 - REMOVE EXISTING STOREFRONT AND GLAZING
 - DEMO EXISTING HOUSEKEEPING PADS

GRAPHIC LEGEND

	DEMO WALL AND DOOR
	EXISTING WALL AND DOOR TO REMAIN
	CONCRETE COLUMN TO REMAIN
	DEMO FLOOR, REFERENCE KEY NOTE
	DEMO CEILING, REFERENCE KEY NOTE
	DEMO CEILING, REFERENCE KEY NOTE
	DEMO CEILING, REFERENCE KEY NOTE

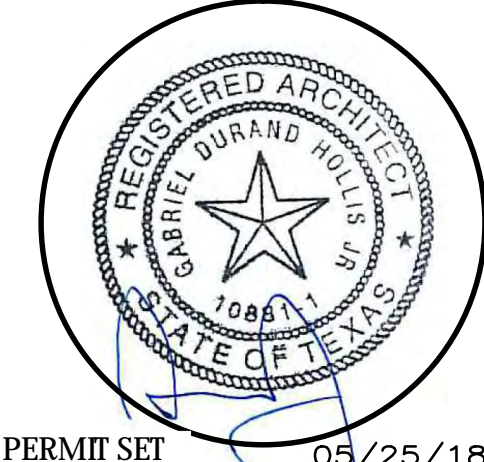
DHR
DURAND-HOLLIS RUPE
ARCHITECTS, INC.
14603 HUEBNER ROAD
BUILDING 18
SAN ANTONIO, TEXAS
78230
TEL: 210 308-0080
FAX: 210 697-3309
eMAIL: OFFICE@DHR-ARCHITECTS.COM

OWNER:
SAHA SAN ANTONIO
HOUSING AUTHORITY
818 SOUTH FLORES STREET
SAN ANTONIO, TX 78204
T. 210.477.4262

**SAN ANTONIO HOUSING AUTHORITY VICTORIA
PLAZA MODERNIZATION**
411 BARRERA, SAN ANTONIO, TEXAS 78210

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Δ	ADDENDUM 2	8/28/2018



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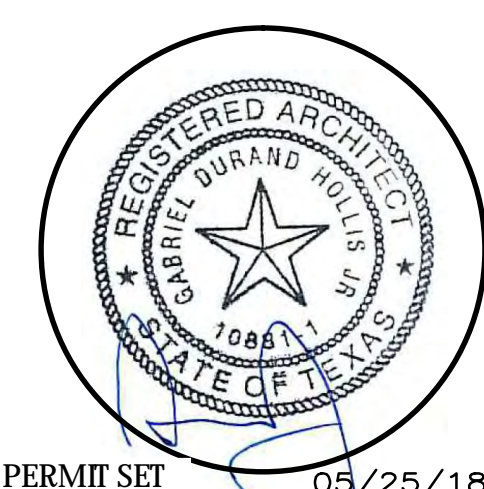
FIRST FLOOR DEMOLITION PLAN

SHEET NUMBER
D-101

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 PLAZA MODERNIZATION**
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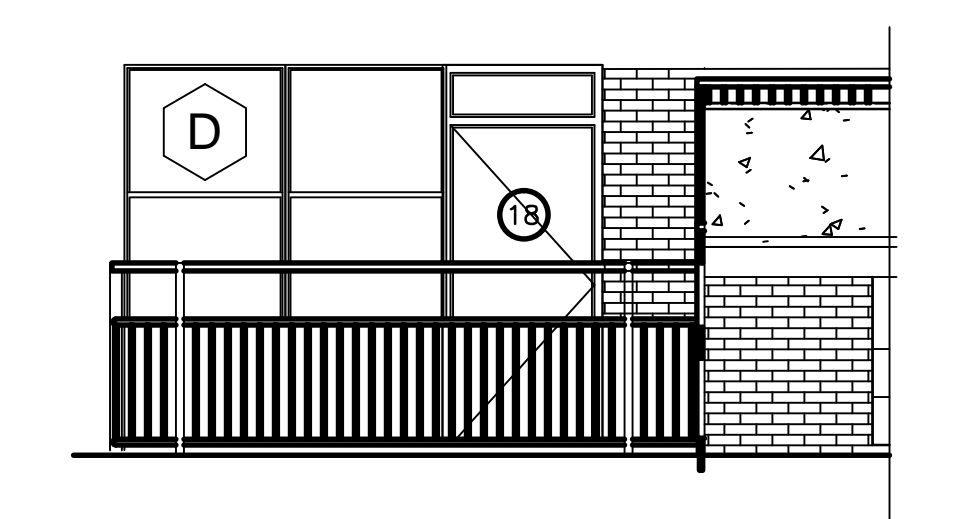
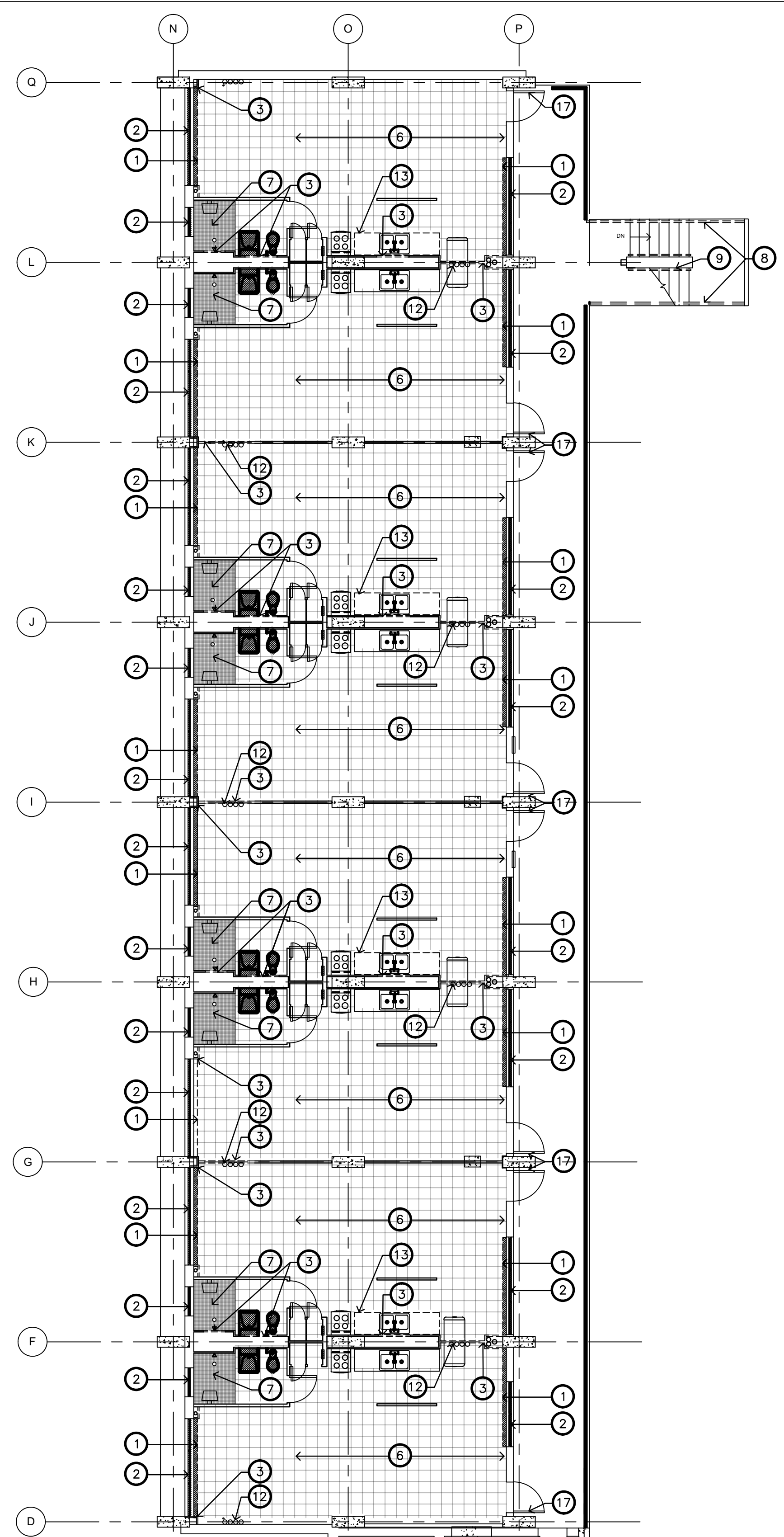
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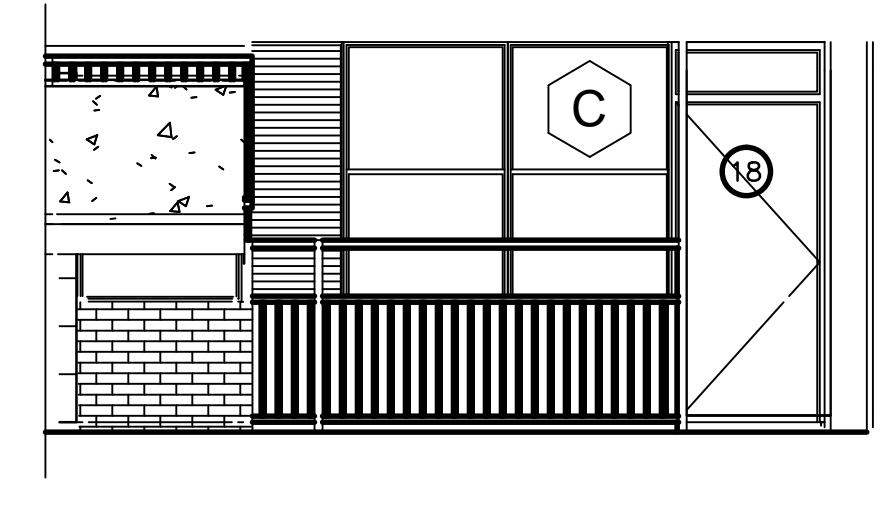
2ND - 9TH FLOOR
 DEMOLITION PLAN

SHEET NUMBER
D-102

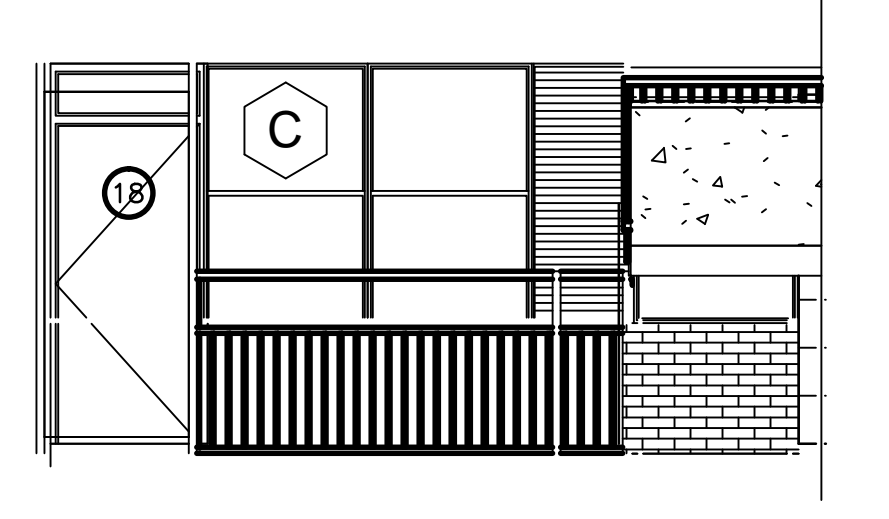
- GENERAL NOTES**
- REFERENCE MECHANICAL SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
 - REFERENCE ELECTRICAL SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
 - REFERENCE PLUMBING SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
 - GENERAL CONTRACTOR IS HEREBY NOTIFIED THAT THERE ARE SOME APARTMENTS THAT HAVE TWO LAYERS OF VCT, THE BOTTOM LAYER BEING THE LAYER WITH THE ASBESTOS CONTAINING MASTIC.
 - GENERAL CONTRACTOR IS TO REMOVE ALL ROOF CURBS, VENT COVERS, EDCR FLASHING, ROOFING AND ROOFING INSULATION. PREP SURFACES FOR NEW ROOFING.
 - REMOVE EXISTING DOORS & FRAMES AT ALL ACCESSIBLE UNITS AND PREPARE ALL OPENINGS FOR NEW 36" DOORS WITH TRANSOM. REF. A-601
- KEY NOTES**
- REMOVE EXISTING WALL MOUNT HOT WATER RADIATOR
 - REMOVE EXISTING WINDOWS, SUB SILL TO REMAIN
 - REMOVE EXISTING PLASTER PARTITION FOR ACCESS TO CONCEALED PIPING.
 - REMOVE CEILING AS REQUIRED TO MODIFY SHOWER PIPING
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 - REMOVE EXISTING CABINET
 - REMOVE EXISTING COUNTERTOP
 - REMOVE EXISTING PLUMBING FIXTURE
 - REMOVE EXISTING GLAZING ABOVE DOOR, EXISTING SCREEN DOOR AND HOLLOW METAL FRAME TO REMAIN.
 - REMOVE EXISTING DOOR AND FRAME, MODIFY EXISTING OPENING TO RECEIVE NEW ADA COMPLIANT DOOR AND FRAME.
 - REMOVE ALL PLUMBING FIXTURE AS NOTED
 - ABATE LEAD BASES PAINT @ EXISTING GUARDRAILS AND PREPARE FOR ALTERATION
- GRAPHIC LEGEND**
- DEMO WALL AND DOOR
 - - - - - EXISTING WALL AND DOOR TO REMAIN
 - CONCRETE COLUMN TO REMAIN
 - DEMO FLOOR, REFERENCE KEY NOTE
 - DEMO CEILING, REFERENCE KEY NOTE



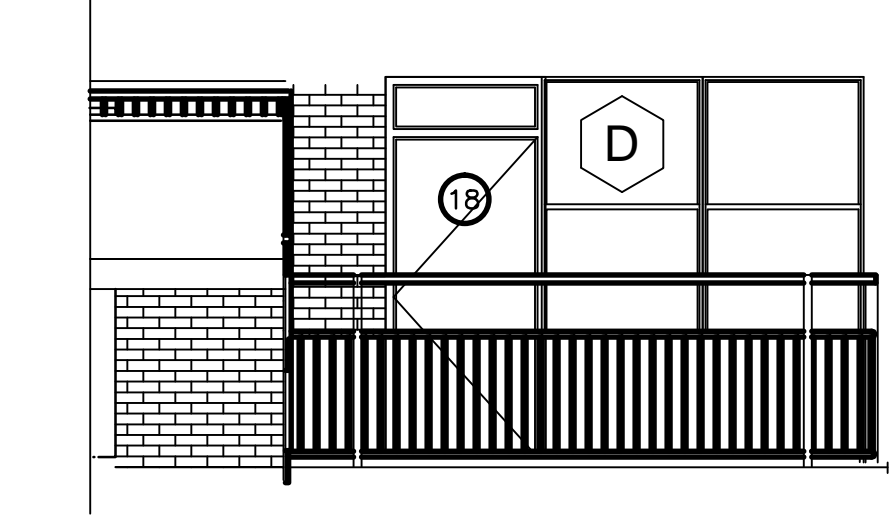
2 2ND TO 9TH FLOOR ELEVATION
 1/4"=1'-0"



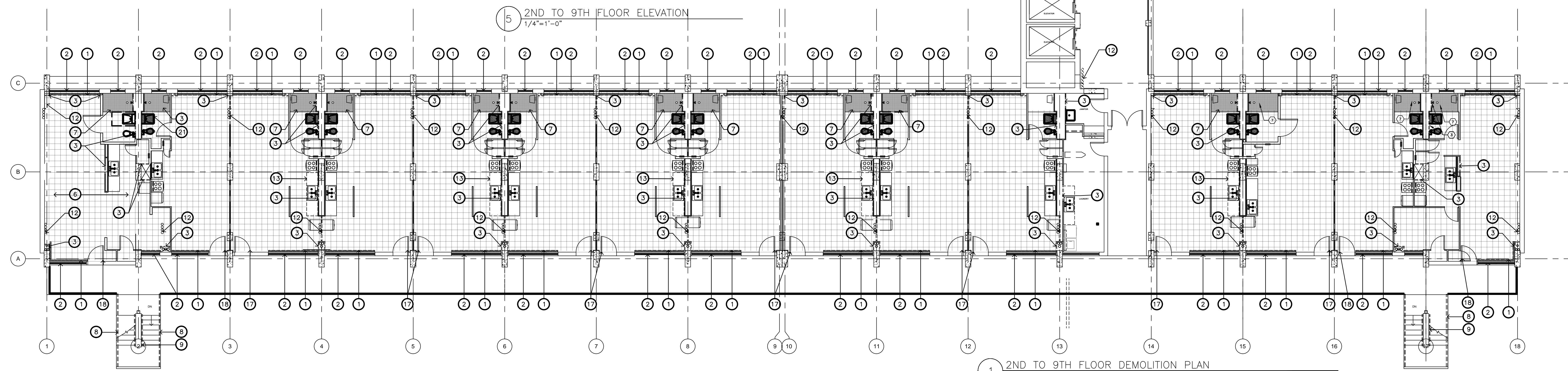
3 2ND TO 9TH FLOOR ELEVATION
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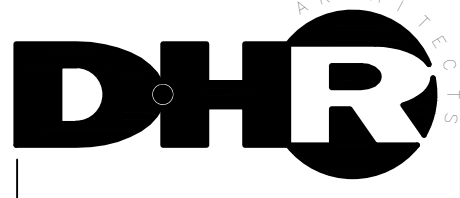
4 2ND TO 9TH FLOOR ELEVATION
 1/4"=1'-0"



5 2ND TO 9TH FLOOR ELEVATION
 1/4"=1'-0"



1 2ND TO 9TH FLOOR DEMOLITION PLAN
 1/8"=1'-0"



DURAND-HOLLIS RUPE
ARCHITECTS, INC.
14603 HUEBNER ROAD
BUILDING 18
SAN ANTONIO, TEXAS
78230
TEL: 210 308-0080
FAX: 210 697-3309
eMAIL: INFO@DHR-ARCHITECTS.COM



SAN ANTONIO HOUSING AUTHORITY
818 SOUTH FLORES STREET
SAN ANTONIO, TX 78204
T. 210.477.6262

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Δ	ADDENDUM 2	8/29/2018



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1ST FLOOR CEILING
DEMOLITION PLAN

SHEET NUMBER
D-103

GENERAL NOTES

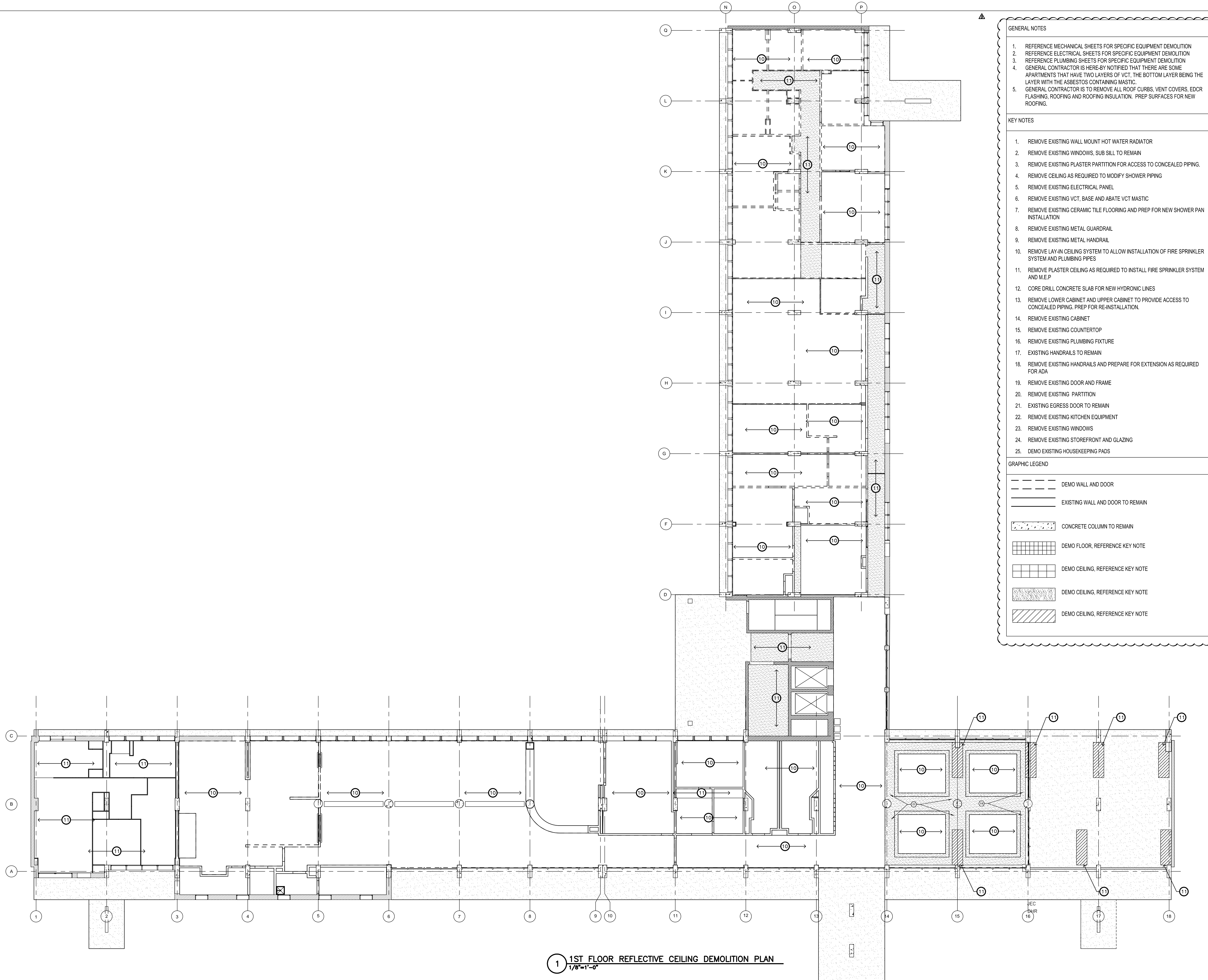
1. REFERENCE MECHANICAL SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
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3. REFERENCE PLUMBING SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
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KEY NOTES

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25. DEMO EXISTING HOUSEKEEPING PADS

GRAPHIC LEGEND

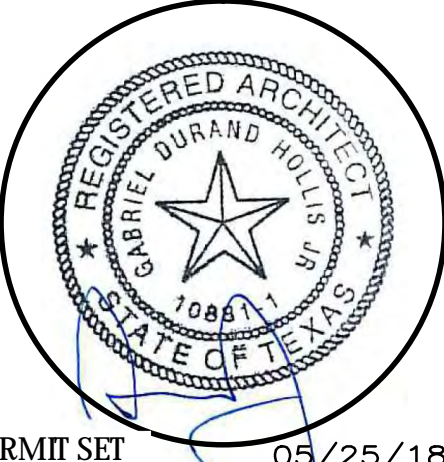
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- DEMO FLOOR, REFERENCE KEY NOTE
- DEMO CEILING, REFERENCE KEY NOTE
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1 1ST FLOOR REFLECTIVE CEILING DEMOLITION PLAN
1/8"=1'-0"

REVISIONS

ISSUE	DESCRIPTION	DATE
▲	ADDENDUM 3	6/29/2018



PERMIT SET 05/25/18

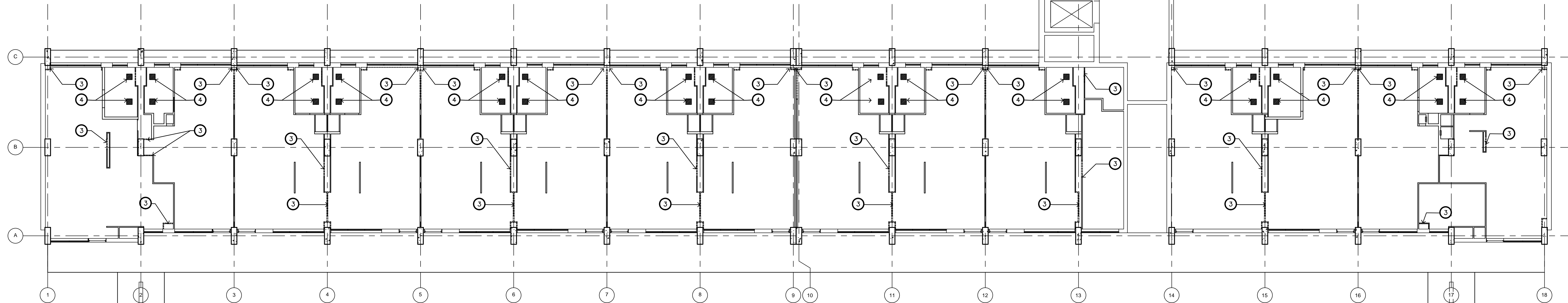
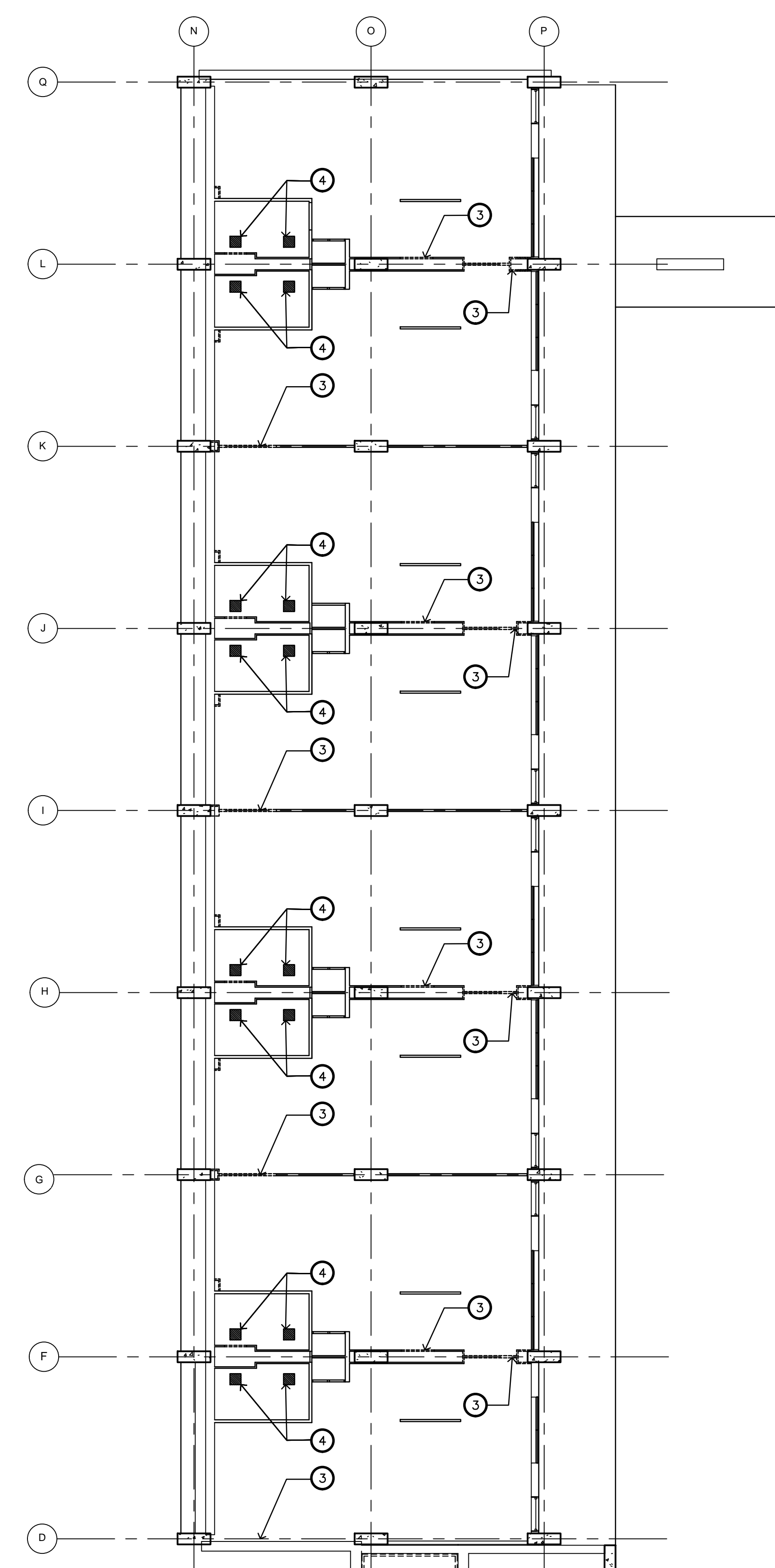
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 14603 HUEBNER ROAD
 BUILDING 18
 SAN ANTONIO, TEXAS 78230
 TEL: 210 308-0080
 FAX: 210 697-3309
 eMAIL: info@dhr-a.com

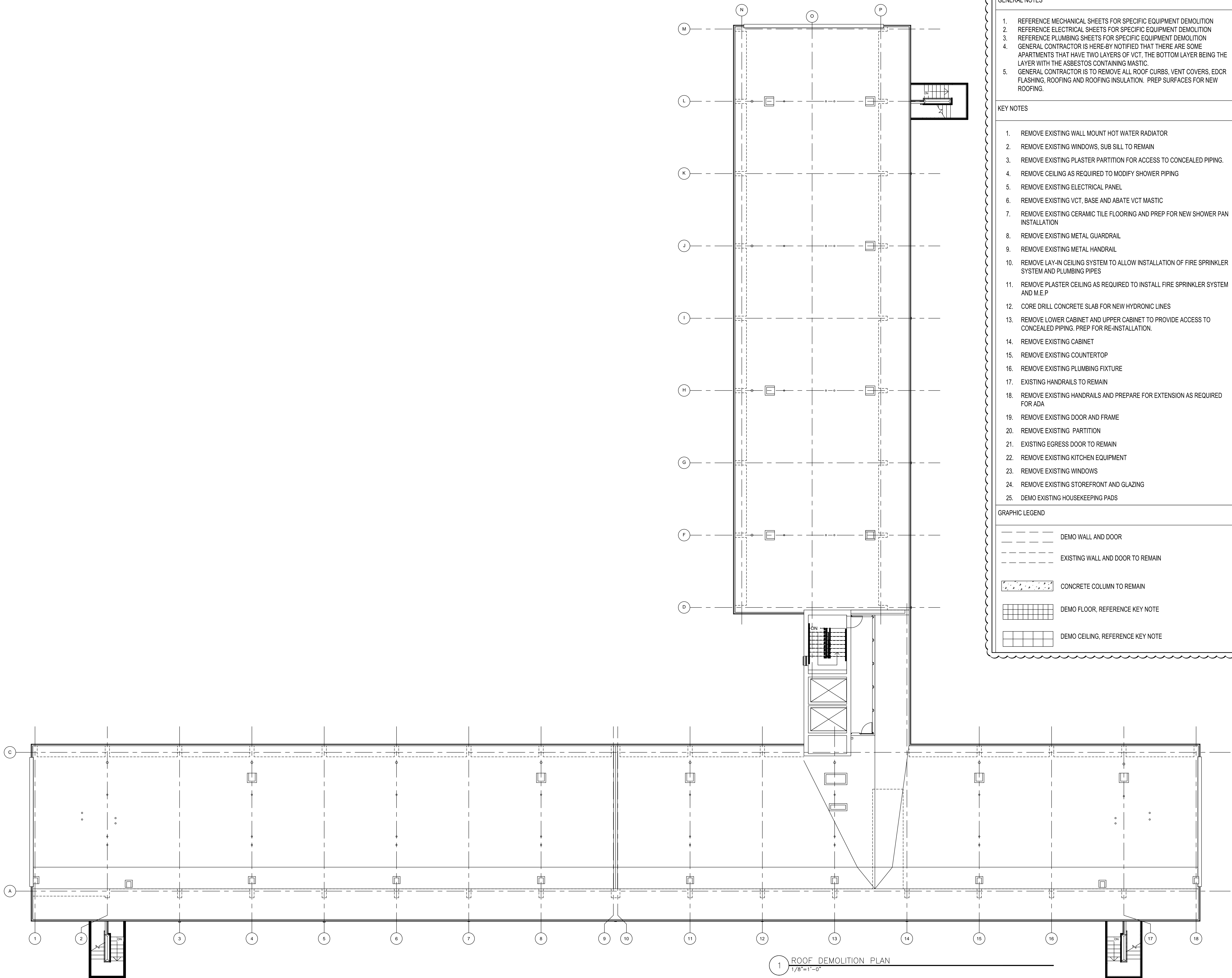
2ND - 9TH FLOOR
 CEILING DEMOLITION
 PLAN

SHEET NUMBER
D-104

- GENERAL NOTES**
1. REFERENCE MECHANICAL SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
 2. REFERENCE ELECTRICAL SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
 3. REFERENCE PLUMBING SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
 4. GENERAL CONTRACTOR IS HEREBY NOTIFIED THAT THERE ARE SOME APARTMENTS THAT HAVE TWO LAYERS OF VCT, THE BOTTOM LAYER BEING THE LAYER WITH THE ASBESTOS CONTAINING MASTIC.
 5. GENERAL CONTRACTOR IS TO REMOVE ALL ROOF CURBS, VENT COVERS, EDCR FLASHING, ROOFING AND ROOFING INSULATION. PREP SURFACES FOR NEW ROOFING.
- KEY NOTES**
1. REMOVE EXISTING WALL MOUNT HOT WATER RADIATOR
 2. REMOVE EXISTING WINDOWS, SUB SILL TO REMAIN
 3. REMOVE EXISTING PLASTER PARTITION FOR ACCESS TO CONCEALED PIPING.
 4. REMOVE CEILING AS REQUIRED TO MODIFY SHOWER PIPING
 5. REMOVE EXISTING ELECTRICAL PANEL
 6. REMOVE EXISTING VCT, BASE AND ABATE VCT MASTIC
 7. REMOVE EXISTING CERAMIC TILE FLOORING AND PREP FOR NEW SHOWER PAN INSTALLATION
 8. REMOVE EXISTING METAL GUARDRAIL
 9. REMOVE EXISTING METAL HANDRAIL
 10. REMOVE LAY-IN CEILING SYSTEM TO ALLOW INSTALLATION OF FIRE SPRINKLER SYSTEM AND PLUMBING PIPES
 11. REMOVE PLASTER CEILING AS REQUIRED TO INSTALL FIRE SPRINKLER SYSTEM AND M.E.P
 12. CORE DRILL CONCRETE SLAB FOR NEW HYDRONIC LINES
 13. REMOVE LOWER CABINET AND UPPER CABINET TO PROVIDE ACCESS TO CONCEALED PIPING. PREP FOR RE-INSTALLATION.
 14. REMOVE EXISTING CABINET
 15. REMOVE EXISTING COUNTERTOP
 16. REMOVE EXISTING PLUMBING FIXTURE
 17. EXISTING HANDRAILS TO REMAIN
 18. REMOVE EXISTING HANDRAILS AND PREPARE FOR EXTENSION AS REQUIRED FOR ADA
 19. REMOVE EXISTING DOOR AND FRAME
 20. REMOVE EXISTING PARTITION
 21. EXISTING EGRESS DOOR TO REMAIN
 22. REMOVE EXISTING KITCHEN EQUIPMENT
 23. REMOVE EXISTING WINDOWS
 24. REMOVE EXISTING STOREFRONT AND GLAZING
 25. DEMO EXISTING HOUSEKEEPING PADS
- GRAPHIC LEGEND**
- DEMO WALL AND DOOR
 - EXISTING WALL AND DOOR TO REMAIN
 - CONCRETE COLUMN TO REMAIN
 - ▤ DEMO FLOOR, REFERENCE KEY NOTE
 - ▥ DEMO CEILING, REFERENCE KEY NOTE
 - ▧ DEMO CEILING, REFERENCE KEY NOTE
 - ▨ DEMO CEILING, REFERENCE KEY NOTE



1 2ND FLOOR REFLECTIVE CEILING DEMOLITION PLAN
 1/8"=1'-0"



GENERAL NOTES

1. REFERENCE MECHANICAL SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
2. REFERENCE ELECTRICAL SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
3. REFERENCE PLUMBING SHEETS FOR SPECIFIC EQUIPMENT DEMOLITION
4. GENERAL CONTRACTOR IS HEREBY NOTIFIED THAT THERE ARE SOME APARTMENTS THAT HAVE TWO LAYERS OF VCT, THE BOTTOM LAYER BEING THE LAYER WITH THE ASBESTOS CONTAINING MASTIC.
5. GENERAL CONTRACTOR IS TO REMOVE ALL ROOF CURBS, VENT COVERS, EDCR FLASHING, ROOFING AND ROOFING INSULATION. PREP SURFACES FOR NEW ROOFING.

KEY NOTES

1. REMOVE EXISTING WALL MOUNT HOT WATER RADIATOR
2. REMOVE EXISTING WINDOWS, SUB SILL TO REMAIN
3. REMOVE EXISTING PLASTER PARTITION FOR ACCESS TO CONCEALED PIPING.
4. REMOVE CEILING AS REQUIRED TO MODIFY SHOWER PIPING
5. REMOVE EXISTING ELECTRICAL PANEL
6. REMOVE EXISTING VCT, BASE AND ABATE VCT MASTIC
7. REMOVE EXISTING CERAMIC TILE FLOORING AND PREP FOR NEW SHOWER PAN INSTALLATION
8. REMOVE EXISTING METAL GUARDRAIL
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10. REMOVE LAY-IN CEILING SYSTEM TO ALLOW INSTALLATION OF FIRE SPRINKLER SYSTEM AND PLUMBING PIPES
11. REMOVE PLASTER CEILING AS REQUIRED TO INSTALL FIRE SPRINKLER SYSTEM AND M.E.P
12. CORE DRILL CONCRETE SLAB FOR NEW HYDRONIC LINES
13. REMOVE LOWER CABINET AND UPPER CABINET TO PROVIDE ACCESS TO CONCEALED PIPING. PREP FOR RE-INSTALLATION.
14. REMOVE EXISTING CABINET
15. REMOVE EXISTING COUNTERTOP
16. REMOVE EXISTING PLUMBING FIXTURE
17. EXISTING HANDRAILS TO REMAIN
18. REMOVE EXISTING HANDRAILS AND PREPARE FOR EXTENSION AS REQUIRED FOR ADA
19. REMOVE EXISTING DOOR AND FRAME
20. REMOVE EXISTING PARTITION
21. EXISTING EGRESS DOOR TO REMAIN
22. REMOVE EXISTING KITCHEN EQUIPMENT
23. REMOVE EXISTING WINDOWS
24. REMOVE EXISTING STOREFRONT AND GLAZING
25. DEMO EXISTING HOUSEKEEPING PADS

GRAPHIC LEGEND

- DEMO WALL AND DOOR
- - - - EXISTING WALL AND DOOR TO REMAIN
- ▨ CONCRETE COLUMN TO REMAIN
- ▧ DEMO FLOOR, REFERENCE KEY NOTE
- ▩ DEMO CEILING, REFERENCE KEY NOTE

1 ROOF DEMOLITION PLAN
1/8"=1'-0"

DHR
DURAND-HOLLIS RUPE
ARCHITECTS, INC.
14603 HUEBNER ROAD
BUILDING 18
SAN ANTONIO, TEXAS
78230
TEL: 210 308-0080
FAX: 210 697-3309
eMAIL: info@dhr-architects.com

OWNER:
SAHA SAN ANTONIO
SUSTAINABLE ARCHITECTURE
818 SOUTH FLORES STREET
SAN ANTONIO, TX 78204
T. 210.477.6262

**SAN ANTONIO HOUSING AUTHORITY VICTORIA
PLAZA MODERNIZATION**
411 BARRERA, SAN ANTONIO, TEXAS 78210

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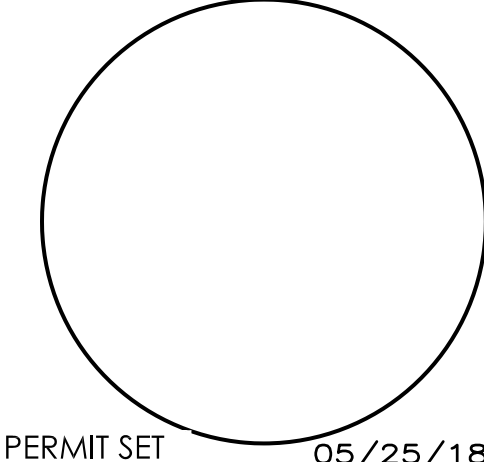
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14603 HUEBNER ROAD
SAN ANTONIO, TX 78230

ROOF DEMOLITION
PLAN

SHEET NUMBER
D-105

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 SAN ANTONIO, TEXAS 78230

SITE PLAN - NEW ELECTRICAL

SHEET NUMBER
E0.2

GENERAL NOTES:

- COORDINATE NEW ELECTRICAL SERVICE WITH CPS. CONTACT MR. JOHN SAN MIGUEL (210) 353-3760. ALL FEES AND PERMITS SHALL BE BY OWNER.

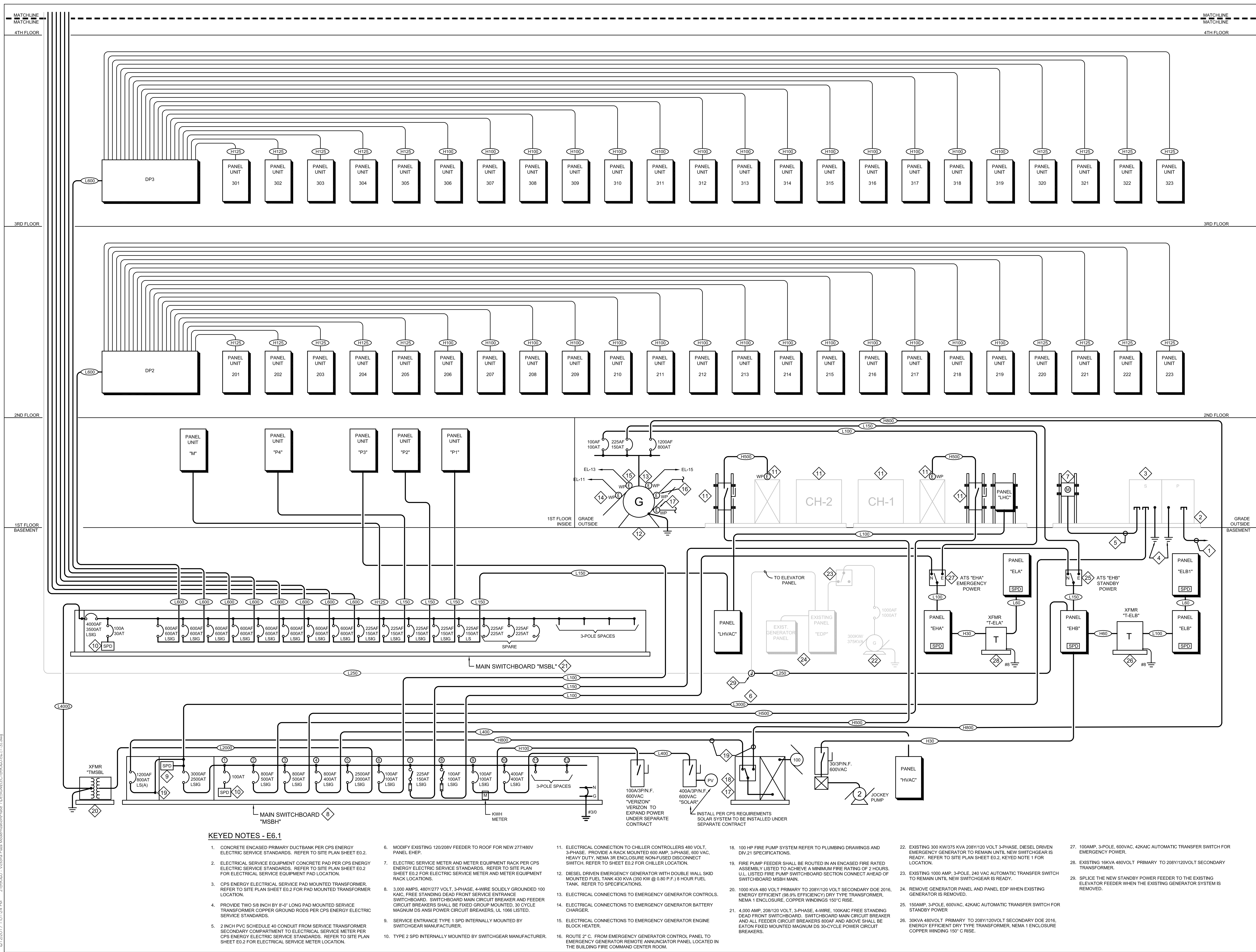
KEYED NOTES:

- EXISTING 300 KW (375KVA @ 0.80 P.F.) DIESEL DRIVEN EMERGENCY GENERATOR TO REMAIN UNTIL THE NEW ELECTRICAL SYSTEM IS AVAILABLE TO OPERATE THE BUILDING STANDBY POWER NEEDS. REFER TO ELECTRICAL ONE-LINE DIAGRAM SHEET E6.1. VERIZON WILL PROVIDE NEW GENERATOR IN SAME LOCATION.
- REFER TO ENLARGED PLAN 2, SHEET E2.0 FOR CONTINUATION.
- EXISTING CPS ENERGY PRIMARY DUCTBANK TO REMAIN. INTERCEPT EXISTING CPS ENERGY PRIMARY DUCTBANK. PROVIDE NEW MANHOLE PER CPS ENERGY ELECTRIC SERVICE STANDARDS. PROVIDE NEW CONCRETE ENCASED PRIMARY DUCTBANK FROM NEW MANHOLE TO PRIMARY COMPARTMENT OF NEW CPS ENERGY PAD MOUNTED TRANSFORMER.
- CONTROLLED VIA LIGHTING CONTROL PANEL. REFER TO SHEET E1.1 FOR BRANCH CIRCUIT AND RELAY SCHEDULES.
- PROVIDE NEW '04' FIXTURE IN PLACE OF EXISTING. CONNECT FIXTURE TO NEW LIGHTING BRANCH CIRCUIT, ROUTING THROUGH NEW LIGHTING CONTROL PANEL "RPSC".
- PROVIDE NEW 20AMP 125VAC 'GFCI' RECEPTACLES WITH ALL WEATHER USE COVER PLATE. PROVIDE NEW BRANCH CIRCUIT FROM NEW PANELBOARDS (TYP. ALL WIRING DEVICES ON SITE).
- EXISTING BUILDING UNDERGROUND TELEPHONE SERVICE ENTRANCE TO REMAIN.
- EXISTING VICTORIA PLAZA BUILDING SIGN TO REMAIN.
- PROVIDE NEW TYPE '05' LIGHT FIXTURE. CONNECT FIXTURE TO NEW LIGHTING BRANCH CIRCUIT, ROUTING THROUGH NEW LIGHTING CONTROL PANEL "RPSC".
- EXISTING FLAG POLE TO REMAIN.
- PROVIDE NEW TYPE '10' LIGHT FIXTURE. CONNECT FIXTURE TO NEW LIGHTING BRANCH CIRCUIT, ROUTING THROUGH NEW LIGHTING CONTROL PANEL "RPSC".
- EXISTING CPS OVERHEAD PRIMARY POLE RISER TO REMAIN. CPS WILL MODIFY SERVICE FOR NEW PAD MOUNT TRANSFORMER.
- NEW DIESEL DRIVEN EMERGENCY GENERATOR. REFER TO ELECTRICAL RISER DIAGRAM SHEET E6.1 AND SPECIFICATIONS
- ELECTRICAL CONNECTION TO CHILLER CONTROLLERS. 480 VOLT, 3-PHASE. REFER TO SHEET E6.1 KEYED NOTE 11.
- ELECTRICAL CONNECTION TO CHILLER PIPING CONTROL VALVES. 120 VOLT. COORDINATE WITH HVAC FOR LOCATION.
- ELECTRICAL CONNECTION TO CHILLER CONTROLS. 120 VOLT.
- ELECTRICAL CONNECTION TO CHILLER FLOW METER. 120 VOLT.
- ELECTRICAL CONNECTION TO CHILLER PIPING HEAT TRACE. 120 VOLT.
- EXISTING BUILDING IRRIGATION CONTROLLER TO REMAIN. CONNECT TO NEW PANELBOARD
- EXISTING ELECTRICAL GATE TO REMAIN. CONNECT TO NEW CIRCUIT.
- ELECTRICAL SERVICE EQUIPMENT CONCRETE PAD. REFER TO ELECTRICAL RISER DIAGRAM SHEET E6.1.
- REFER TO ELECTRICAL RISER DIAGRAM SHEET E6.1 FOR ELECTRICAL SERVICE ENTRANCE FEEDER SIZE.
- EXISTING STORAGE BUILDING PROVIDE TWO CIRCUITS AS INDICATED. ONE FOR RECEPTACLE AND OTHER FOR LIGHTING. PROVIDE TWO GFCI RECEPTACLES AND FOUR TYPE 'P1' FIXTURES WITH SWITCH PER BLDG. COORDINATE TRENCHING WITH EXISTING UTILITIES. PUT AND PATCH PAVEMENT TO EQUAL OR BETTER CONDITION. CONFIRM OUTLET AND LIGHTING LOCATIONS WITH OWNER.
- PROVIDE NEW '05' FIXTURE IN PLACE OF EXISTING. CONNECT FIXTURE TO NEW LIGHTING BRANCH CIRCUIT, ROUTING THROUGH NEW LIGHTING CONTROL PANEL "RPSC".
- 2# 10 & 1# 10 GND IN 1/2" C
- 4# 10 & 2# 10 GND IN 3/4" C
- EXISTING CPS ENERGY TRANSFORMER VAULT. REFER TO SHEET. E0.2. CPS WILL REMOVE EXISTING SERVICE.
- ROUTE FEEDER TO PANEL LHVAC IN BASEMENT. MINIMUM 24" BELOW GRADE. COORDINATE ROUTE WITH EXISTING UTILITIES. REFER TO ONE LINE DIAGRAM SHEET E6.1.
- NEW FIXTURE TYPE '09' FOR STATUE LIGHTING. CONNECT TO NEW POLE LIGHTING BRANCH CIRCUIT, ROUTING THROUGH NEW LIGHTING CONTROL PANEL "RPSC".
- ROUTE 4" EMPTY PVC CONDUIT WITH PULLING LINES AT MIN. 24" BELOW GRADE FOR TELCO (FIBER). COORDINATE ROUTE WITH EXISTING UTILITIES.
- ROUTE 4" EMPTY EMT CONDUIT WITH PULLING LINES UNDER THE BUILDING IN CRAWLSPACE ATTACHED TO STRUCTURE. PROVIDE MIN. 24"x24"x12" PULL BOXES AND SUPPORTS AS REQUIRED. SEAL ALL PENETRATIONS WEATHERTIGHT.
- ROUTE 2-2" EMPTY CONDUIT WITH PULLING LINES FOR FUTURE VERIZON EMERGENCY POWER AND CHEMICAL GROUND. SECURE TO STRUCTURE AS REQUIRED. SEAL ALL PENETRATIONS WEATHERTIGHT.

2 ENLARGED ELECTRICAL SITE PLAN
 E0.2 SCALE: 1/8" = 1'-0"

1 ELECTRICAL SITE PLAN - NEW
 E0.2 SCALE: 20' = 1'-0"

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KEYED NOTES - E6.1

- CONCRETE ENCASED PRIMARY DUCTBANK PER CPS ENERGY ELECTRIC SERVICE STANDARDS. REFER TO SITE PLAN SHEET E0.2.
- ELECTRICAL SERVICE EQUIPMENT CONCRETE PAD PER CPS ENERGY ELECTRIC SERVICE STANDARDS. REFER TO SITE PLAN SHEET E0.2 FOR ELECTRICAL SERVICE EQUIPMENT PAD LOCATION.
- CPS ENERGY ELECTRICAL SERVICE PAD MOUNTED TRANSFORMER. REFER TO SITE PLAN SHEET E0.2 FOR PAD MOUNTED TRANSFORMER LOCATION.
- PROVIDE TWO 5/8 INCH BY 8'-0" LONG PAD MOUNTED SERVICE TRANSFORMER COPPER GROUND RODS PER CPS ENERGY ELECTRIC SERVICE STANDARDS.
- 2 INCH PVC SCHEDULE 40 CONDUIT FROM SERVICE TRANSFORMER SECONDARY COMPARTMENT TO ELECTRICAL SERVICE METER PER CPS ENERGY ELECTRIC SERVICE STANDARDS. REFER TO SITE PLAN SHEET E0.2 FOR ELECTRICAL SERVICE METER LOCATION.
- MODIFY EXISTING 120/208V FEEDER TO ROOF FOR NEW 277/480V PANEL EHP.
- ELECTRIC SERVICE METER AND METER EQUIPMENT RACK PER CPS ENERGY ELECTRIC SERVICE STANDARDS. REFER TO SITE PLAN SHEET E0.2 FOR ELECTRIC SERVICE METER AND METER EQUIPMENT RACK LOCATIONS.
- 3,000 AMPS, 480Y/277 VOLT, 3-PHASE, 4-WIRE SOLIDLY GROUND 100 KAIC, FREE STANDING DEAD FRONT SERVICE ENTRANCE SWITCHBOARD. SWITCHBOARD MAIN CIRCUIT BREAKER AND FEEDER CIRCUIT BREAKERS SHALL BE FIXED GROUP MOUNTED, 30 CYCLE MAGNUM DS ANSI POWER CIRCUIT BREAKERS, UL 1088 LISTED.
- SERVICE ENTRANCE TYPE 1 SPD INTERNALLY MOUNTED BY SWITCHGEAR MANUFACTURER.
- TYPE 2 SPD INTERNALLY MOUNTED BY SWITCHGEAR MANUFACTURER.
- ELECTRICAL CONNECTION TO CHILLER CONTROLLERS 480 VOLT, 3-PHASE. PROVIDE A RACK MOUNTED 600 AMP, 3-PHASE, 800 VAC, HEAVY DUTY, NEMA 3R ENCLOSURE NON-FUSED DISCONNECT SWITCH. REFER TO SHEET E0.2 FOR CHILLER LOCATION.
- DIESEL DRIVEN EMERGENCY GENERATOR WITH DOUBLE WUL SKID MOUNTED FUEL TANK 430 KVA (350 KW @ 0.80 P.F.) 6 HOUR FUEL TANK. REFER TO SPECIFICATIONS.
- ELECTRICAL CONNECTIONS TO EMERGENCY GENERATOR CONTROLS.
- ELECTRICAL CONNECTIONS TO EMERGENCY GENERATOR BATTERY CHARGER.
- ELECTRICAL CONNECTIONS TO EMERGENCY GENERATOR ENGINE BLOCK HEATER.
- ROUTE 2" C. FROM EMERGENCY GENERATOR CONTROL PANEL TO EMERGENCY GENERATOR REMOTE ANNUNCIATOR PANEL LOCATED IN THE BUILDING FIRE COMMAND CENTER ROOM.
- 100 HP FIRE PUMP SYSTEM REFER TO PLUMBING DRAWINGS AND DIV 21 SPECIFICATIONS.
- FIRE PUMP FEEDER SHALL BE ROUTED IN AN ENCASED FIRE RATED ASSEMBLY LISTED TO ACHIEVE A MINIMUM FIRE RATING OF 2 HOURS. UL LISTED FIRE PUMP SWITCHBOARD SECTION CONNECT AHEAD OF SWITCHBOARD MSBH MAIN.
- 1000 KVA 480 VOLT PRIMARY TO 208Y/120 VOLT SECONDARY DOE 2016, ENERGY EFFICIENT (98.9% EFFICIENCY) DRY TYPE TRANSFORMER, NEMA 1 ENCLOSURE, COPPER WINDINGS 150°C RISE.
- 4,000 AMP, 208/120 VOLT, 3-PHASE, 4-WIRE, 100KAIC FREE STANDING DEAD FRONT SWITCHBOARD. SWITCHBOARD MAIN CIRCUIT BREAKER AND ALL FEEDER CIRCUIT BREAKERS 800AF AND ABOVE SHALL BE EATON FIXED MOUNTED MAGNUM DS 30-CYCLE POWER CIRCUIT BREAKERS.
- EXISTING 300 KW/375 KVA 208Y/120 VOLT 3-PHASE, DIESEL DRIVEN EMERGENCY GENERATOR TO REMAIN UNTIL NEW SWITCHGEAR IS READY. REFER TO SITE PLAN SHEET E0.2. KEYED NOTE 1 FOR LOCATION.
- EXISTING 1000 AMP, 3-POLE, 240 VAC AUTOMATIC TRANSFER SWITCH TO REMAIN UNTIL NEW SWITCHGEAR IS READY.
- REMOVE GENERATOR PANEL AND PANEL EDP WHEN EXISTING GENERATOR IS REMOVED.
- 150AMP, 3-POLE, 600VAC, 42KAIC AUTOMATIC TRANSFER SWITCH FOR STANDBY POWER
- 30KVA 480VOLT PRIMARY TO 208Y/120VOLT SECONDARY DOE 2016, ENERGY EFFICIENT DRY TYPE TRANSFORMER, NEMA 1 ENCLOSURE COPPER WINDING 150° C RISE.
- 100AMP, 3-POLE, 600VAC, 42KAIC AUTOMATIC TRANSFER SWITCH FOR EMERGENCY POWER.
- EXISTING 16KVA 480VOLT PRIMARY TO 208Y/120VOLT SECONDARY TRANSFORMER.
- SPLICE THE NEW STANDBY POWER FEEDER TO THE EXISTING ELEVATOR FEEDER WHEN THE EXISTING GENERATOR SYSTEM IS REMOVED.

DHR
 DURAND-HOLLIS RUPE ARCHITECTS, INC.
 14603 HUEBNER ROAD
 BUILDING 18
 SAN ANTONIO, TEXAS 78230
 TEL: 210 308-0080
 WEBSITE: 210 524-6572
 EMAIL: INFO@DHRARCHITECTS.COM

SAHA SAN ANTONIO HOUSING AUTHORITY
 818 SOUTH FLORES STREET
 SAN ANTONIO, TX 78204
 T. 210.477.4242

H2MG
 Creating Mechanical • Electrical • Plumbing Engineers
 8000 W-10 West, Suite 1002
 San Antonio, Texas 78230
 Office: 210.525.0220
 Fax: 210.525.0225
 Texas Firm Registration #F-12003
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SAN ANTONIO HOUSING AUTHORITY
VICTORIA PLAZA MODERNIZATION
 411 BARRERA, SAN ANTONIO, TEXAS 78210

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STATE OF TEXAS
 RALPH E. MARTIN, JR.
 29858
 REGISTERED PROFESSIONAL ENGINEER
 05.25.2018

PROJECT ARCHITECT
 DURAND-HOLLIS RUPE ARCHITECTS, INC.
 14603 HUEBNER ROAD
 BUILDING 18
 SAN ANTONIO, TEXAS 78230

ELECTRICAL ONE-LINE DIAGRAM
 SHEET NUMBER
E6.1

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DURAND-HOLLIS RUPE ARCHITECTS, INC.
 14603 HUEBNER ROAD
 BUILDING 18
 SAN ANTONIO, TEXAS 78230
 TEL: 210 308-0080
 VOICEMAIL: 210 524-6572
 EMAIL: SAHA@DURAND-HOLLIS-RUPE.COM

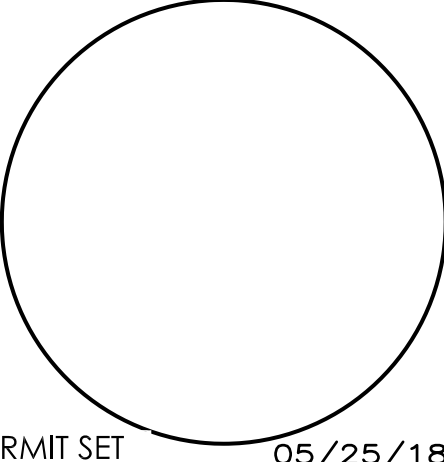
OWNER:
 SAHA SAN ANTONIO HOUSING AUTHORITY
 SAN ANTONIO HOUSING AUTHORITY
 818 SOUTH FLORES STREET
 SAN ANTONIO, TX 78204
 T. 210.477.4242


 Consulting Mechanical • Electrical • Plumbing Engineers
 8000 W-10 West, Suite 1000
 San Antonio, Texas 78230
 Office: 210.525.0220
 Fax: 210.525.0225
 Texas Firm Registration #P-12003
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VICTORIA PLAZA MODERNIZATION
 411 BARRERA, SAN ANTONIO, TEXAS 78210

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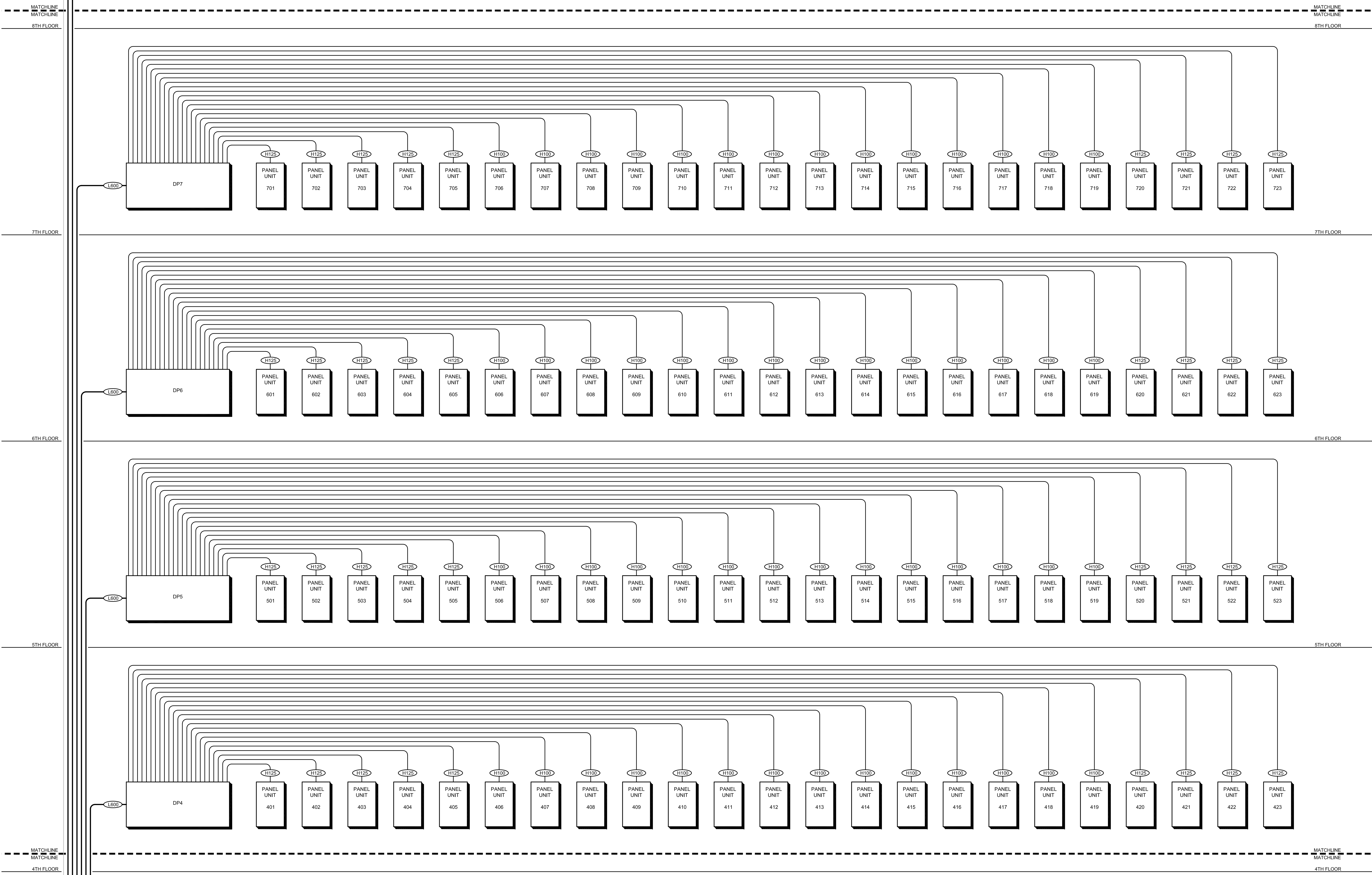
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PROJECT ARCHITECT
 DURAND-HOLLIS-RUPE ARCHITECTS, INC.

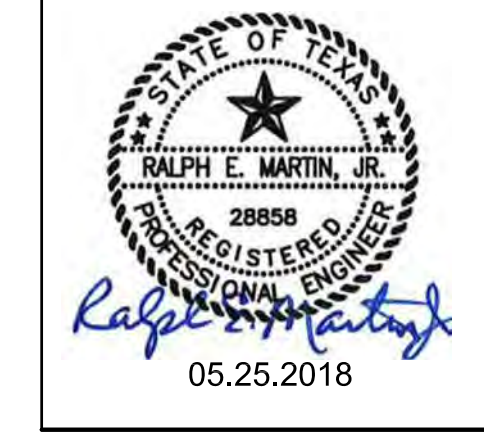
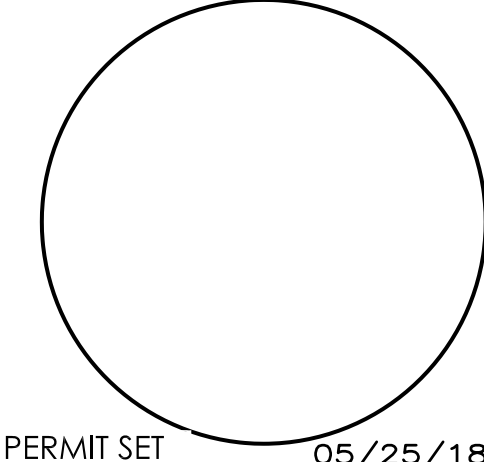
ELECTRICAL ONE-LINE DIAGRAM

SHEET NUMBER
E6.2



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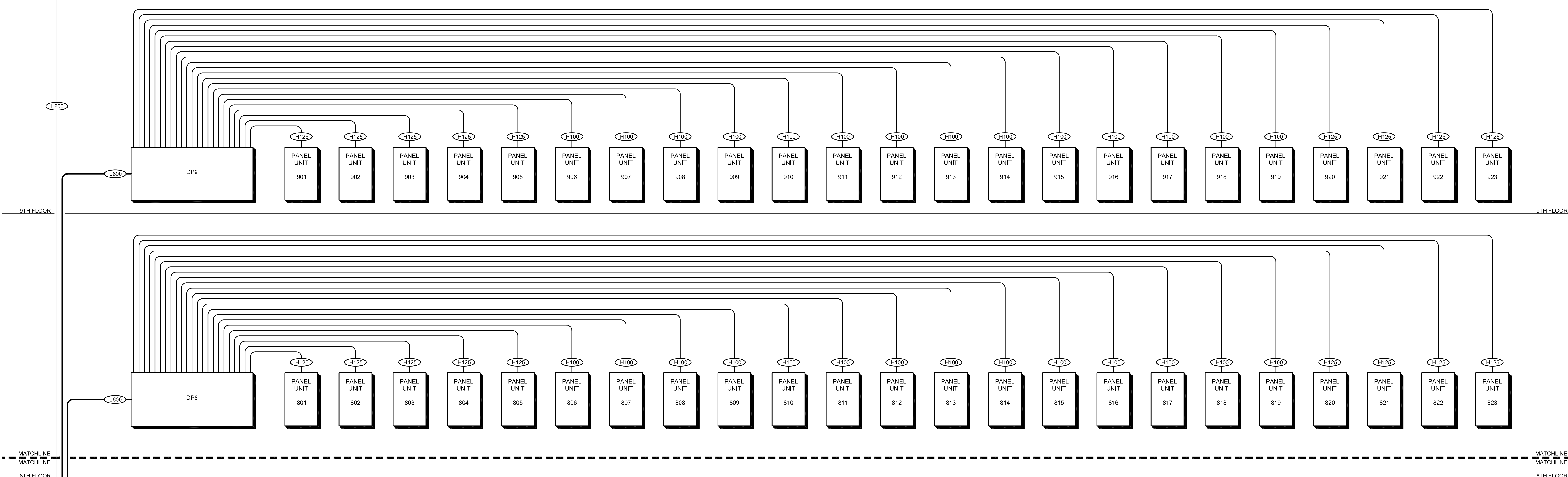
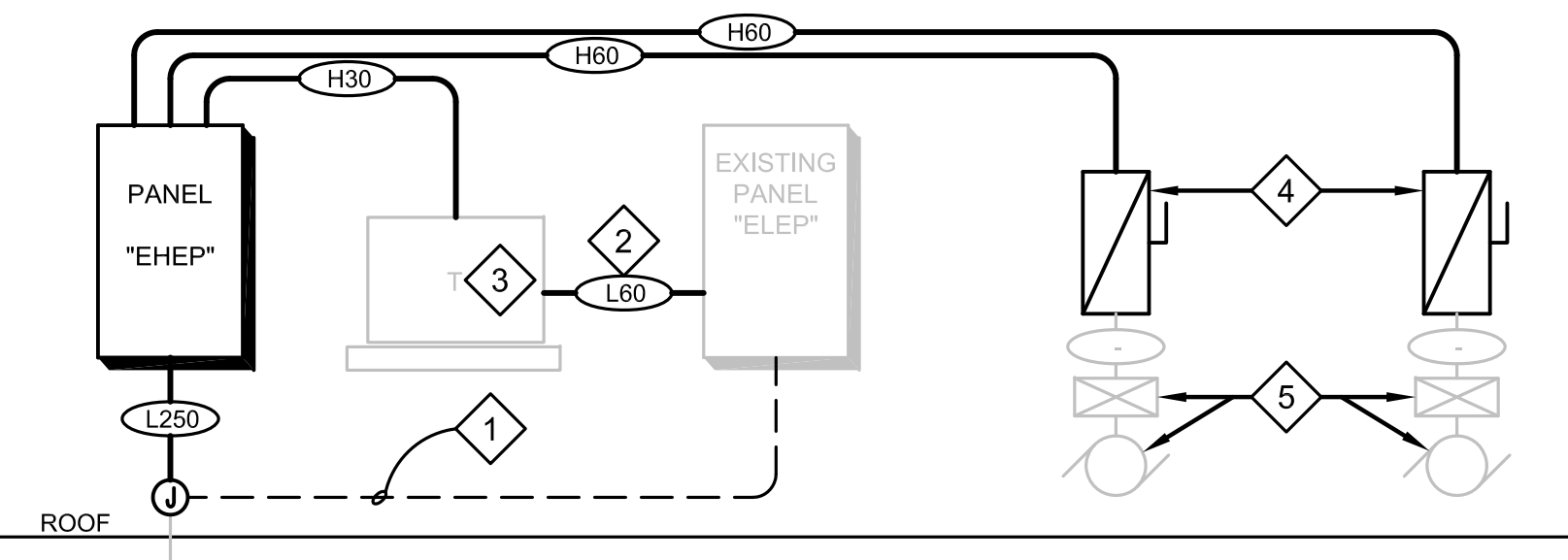
PROJECT ARCHITECT
 GIBRE, DURAND-HOLLIS, &
 SAHA ARCHITECTS, INC.

ELECTRICAL ONE-LINE
 DIAGRAM AND
 LOAD ANALYSIS

SHEET NUMBER
E6.3

KEYED NOTES - E6.3

1. MODIFY EXISTING 208V FEEDER FROM EXISTING BASEMENT PANEL EDP TO EXISTING PANEL ELEP TO BECOME 480V FEEDER FROM PANEL EH IN BASEMENT TO NEW PANEL EHEP.
2. EXISTING PANELBOARD TO REMAIN. MODIFY 208V FEEDER FROM 16KVA TRANSFORMER TO PANEL ELEP.
3. REUSE EXISTING 16KVA TRANSFORMER, 480V-120/208V, 3PH, 4W. PROVIDE NEW FEEDERS.
4. PROVIDE BUSSMAN HPS-6-T48-RX-K-G-N6-B-F1-U ELEVATOR POWER MODULE SWITCH WITH 60AMP DUAL ELEMENT FUSES FOR ELEVATOR MACHINE POWER. PROVIDE 2 N.O. AND 2 N.C. CONTACTS INTERLOCK WITH FACP PER ANI 17.1.
5. UNDER A SEPARATE CONTRACT, THE 15HP, 480VOLT ELEVATOR MOTORS AND ELEVATOR CONTROLLER WILL BE REPLACED WITH NEW 15HP, 480VOLT MOTORS. CONNECT NEW ELEVATOR CONTROL MOTORS TO NEW PANEL EHEP.



BUILDING ELECTRICAL DESIGN LOAD SUMMARY

Load Description	Connected Load (KVA)	Demand Factor %	Demand Load (KVA)
1. Lighting load:	22.6	100.00%	22.6
2. Building apartments load:	2925.5	23.00%	672.9
3. Laundry equipment load:			
a. Dryers 18 x 5 KW = 90 KVA (NEC Table 220.54)	80.0	47.00%	37.6
b. Washers 18 x 1.5 KW = 27 KVA	24.0	100.00%	24.0
4. HVAC equipment load:			
a. Chillers 2 - 220 tons at 50% capacity each 440 tons x 1.2 KVA/ton:	528.0	50.00%	264.0
b. Primary pumps (2) x 5 HP/ea	12.6	100.00%	12.6
c. Secondary pumps 2-pumps (redundant) 2 x 20 HP/ea	42.8	50.00%	21.4
d. Exhaust fan 1 x 1 1/2 HP	2.4	100.00%	2.4
e. Existing hot water pumps (2) x 20 HP/ea	42.8	60.00%	25.7
f. New AHU's 3 x 10 HP = 34.9 KVA	34.9	100.00%	34.9
5. Plumbing equipment load:			
a. Booster pumps (2) x 5 HP/ea	12.6	100.00%	12.6
b. Existing pumps: (1) x 5 HP = 6.0 (1) x 10 HP = 11.1 (1) x 1 1/2 HP = 2.4 19.5 KVA	19.5	100.00%	19.5
c. Existing sumps (2) x 1 1/2 HP	2.4	50.00%	1.2
d. Existing lift station (1) x 5 HP	6.0	100.00%	6.0
6. Existing elevators (2) x 15 HP/ea	34.9	75.00%	26.2
7. Fire protection (*) note			
a. Fire pump 1 x 100 HP = 98.3 KVA	101.1	100.00%	101.1
b. Jockey pump 1 x 2 HP = 2.8 101.1			
8. Misc. Future Loads	250.0	60.00%	150.0
9. 25% largest motor 100 HP = 98.3 KVA x 0.25	24.6	100.00%	24.6
Totals	4166.7 KVA	35.00%	1459.2 KVA

1 ELECTRICAL RISER DIAGRAM
 E6.3 SCALE: NOT TO SCALE

BUILDING APARTMENTS ELECTRICAL DESIGN LOAD SUMMARY

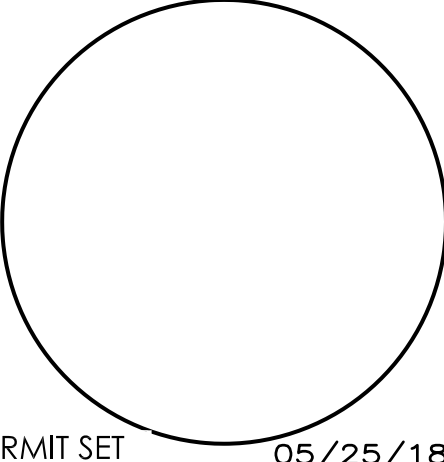
Electrical Design Load Summary		First Floor 2 Bedroom Apartment		Building Apartment Loads	
Load Description	Connected Load (KVA)	Load Description	Connected Load (KVA)	Load Description	Connected Load (KVA)
Note: Approximate area per apt. unit = 400 ft2		Note: Approximate area per apt. unit = 990 ft2		Note: Approximate area per apt. unit = 990 ft2	
1. Lighting and receptacle loads (per NEC Table 220.12 and 220.14d)		1. Lighting and receptacle loads (per NEC Table 220.12 and 220.14d)		184 apartment units x 15.80 KVA / apt =	2,907.20 KVA
400 ft2 x 3.0 watt/ft2 = 1,200 watt	1.2 KVA	990 ft2 x 3.0 watt/ft2 = 2,970 watt	2.97 KVA	(1) first floor 2 bedroom apt x 18.27 KVA =	18.27 KVA
2. Small appliances load (per NEC 210.52.(B)(1))		2. Small appliances load (per NEC 210.52.(B)(1))		Total Connected Load Apartment Load =	2,925.47 KVA
2 appliances x 1,500 watt/appliance = 3,000 watt	3.0 KVA	2 appliances x 1,500 watt/appliance = 3,000 watt	3.0 KVA	Total Building Apartment Demand Load (per NEC Table 220.84)	
3. Bathroom branch circuit (heat lamp)		3. Bathroom branch circuit (heat lamp)		2,928.47 KVA x 23% =	672.86 KVA
1 ckt x 1,500 watt/ckt = 1,500 watt	1.5 KVA	1 ckt x 1,500 watt/ckt = 1,500 watt	1.5 KVA	Total Building Apartment Demand Load =	672.86 KVA
4. Kitchen range		4. Kitchen range			
1 range x 8,000 watt/range = 8,000 watt	8.0 KVA	1 range x 8,000 watt/range = 8,000 watt	8.0 KVA		
5. HVAC equipment load (3) - FCU @ 5.8 amp/ea @120V		5. HVAC equipment load (4) - FCU @ 5.8 amp/ea @120 V			
(3) (5.8A) x 120 Volt = 2,088 watt	2.10 KVA	(4) 5.8 amp x 120 V = 2,784 watt	2.8 KVA		
Total Connected Load / Apt Unit	15.80 KVA	Total Connected Load / Apt Unit	18.27 KVA		
1 Service / Apt = 15.8 KVA/208 V, 1-Phase = 75.96 amp		1 Service / Apt = 18.27 KVA / 208 V, 1-Phase = 87.4 amps			
Therefore provide a 100 amp, 120/208 volt, 1-phase, 3-wire electrical panelboard per apartment.		Therefore provide a 100 amp, 120/208 volt, 1-phase, 3-wire electrical panelboard per apartment.			
Notes: There are no dishwashers, disposals, laundry equipment, or water heaters in any of the apartment units.					

* NOTE: FIRE PUMP WILL BE CONNECTED AHEAD OF THE MAIN.
 1 SWITCHBOARD = 1,545 KVA= 1859 AMP
 480 V X 3
 THEREFORE PROVIDE A 2,500 AMP, 480V/277 VOLT, 3-PHASE,
 4-WIRE SOLIDLY GROUNDED SWITCHBOARD.

**SAN ANTONIO HOUSING AUTHORITY
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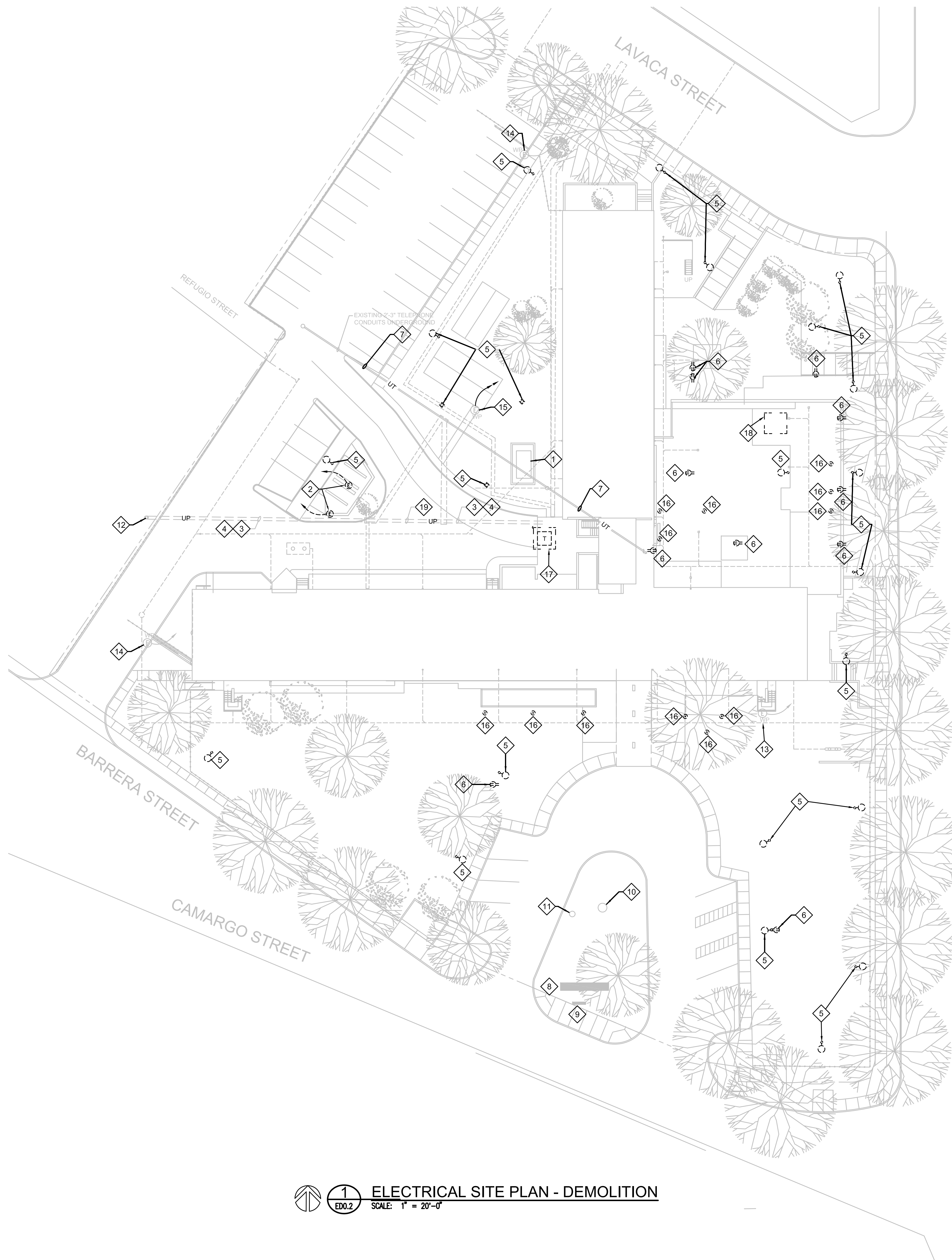
PROJECT ARCHITECT
 DURAND-HOLLIS RUPE ARCHITECTS, INC.
 14603 HUEBNER ROAD
 SAN ANTONIO, TEXAS 78230

ELECTRICAL ONE-LINE
 DIAGRAM

SHEET NUMBER
E6.4

COPPER FEEDER SCHEDULE

AMPERE RATING	FEEDER ID	3-WIRE WITH GROUND	FEEDER ID	4-WIRE WITH GROUND
30A	H30	3#10, 1#10 GND IN 1/2" C.	L30	4#10, 1#10 GND IN 1/2" C.
40A	H40	3#8, 1#10 GND IN 3/4" C.	L40	4#8, 1#10 GND IN 3/4" C.
60A	H60	3#4, 1#10 GND IN 1" C.	L60	4#4, 1#10 GND IN 1-1/4" C.
70A	H70	3#4, 1#8 GND IN 1" C.	L70	4#4, 1#8 GND IN 1-1/4" C.
80A	H80	3#3, 1#8 GND IN 1-1/4" C.	L80	4#3, 1#8 GND IN 1-1/4" C.
100A	H100	3#1, 1#8 GND IN 1-1/2" C.	L100	4#1, 1#8 GND IN 1-1/2" C.
125A	H125	3#1, 1#6 GND IN 1-1/2" C.	L125	4#1, 1#6 GND IN 2" C.
150A	H150	3#1/0, 1#6 GND IN 2" C.	L150	4#1/0, 1#6 GND IN 2" C.
175A	H175	3#2/0, 1#6 GND IN 2" C.	L175	4#2/0, 1#6 GND IN 2" C.
200A	H200	3#3/0, 1#6 GND IN 2" C.	L200	4#3/0, 1#6 GND IN 2" C.
225A	H225	3#4/0, 1#4 GND IN 2-1/2" C.	L225	4#4/0, 1#4 GND IN 2-1/2" C.
250A	H250	3#250KCMIL, 1#4 GND IN 2-1/2" C.	L250	4#250KCMIL, 1#4 GND IN 3" C.
300A	H300	3#350KCMIL, 1#4 GND IN 3" C.	L300	4#350KCMIL, 1#4 GND IN 3-1/2" C.
350A	H350	2-SETS OF 3#2/0, 1#3 GND IN 2" C. EACH	L350	2-SETS OF 4#2/0, 1#3 GND IN 2-1/2" C. EACH
400A	H400	2-SETS OF 3#3/0, 1#3 GND IN 2" C. EACH	L400	2-SETS OF 4#3/0, 1#3 GND IN 2-1/2" C. EACH
500A	H500	2-SETS OF 3#250KCMIL, 1#2 GND IN 2-1/2" C. EACH	L500	2-SETS OF 4#250KCMIL, 1#2 GND IN 3" C. EACH
600A	H600	2-SETS OF 3#350KCMIL, 1#1 GND IN 3-1/2" C. EACH	L600	2-SETS OF 4#350KCMIL, 1#1 GND IN 3-1/2" C. EACH
700A	H700	3-SETS OF 3#250KCMIL, 1#1/0 GND IN 3" C. EACH	L700	3-SETS OF 4#250KCMIL, 1#1/0 GND IN 3-1/2" C. EACH
800A	H800	3-SETS OF 3#300KCMIL, 1#1/0 GND IN 3" C. EACH	L800	3-SETS OF 4#300KCMIL, 1#1/0 GND IN 3-1/2" C. EACH
1000A	H1000	3-SETS OF 3#400KCMIL, 1#2/0 GND IN 3-1/2" C. EACH	L1000	3-SETS OF 4#400KCMIL, 1#2/0 GND IN 3-1/2" C. EACH
1200A	H1200	4-SETS OF 3#350KCMIL, 1#3/0 GND IN 3-1/2" C. EACH	L1200	4-SETS OF 4#350KCMIL, 1#3/0 GND IN 3-1/2" C. EACH
1600A	H1600	5-SETS OF 3#400KCMIL, 1#4/0 GND IN 3-1/2" C. EACH	L1600	5-SETS OF 4#400KCMIL, 1#4/0 GND IN 3-1/2" C. EACH
2000A	H2000	6-SETS OF 3#400KCMIL, 1#250KCMIL GND IN 3-1/2" C. EACH	L2000	6-SETS OF 4#400KCMIL, 1#250KCMIL GND IN 4" C. EACH
			L3000	8-SETS OF 4#500KCMIL, IN 4" C. EACH
			L4000	10 SETS: 4 #600 KCMIL, 1 #500 KCMIL GND. EACH IN 5" C.



GENERAL NOTES:

- ALL EXISTING LIGHTING FIXTURES SHALL BE REMOVED AND REPLACED. REMOVE AND REPLACE CONDUCTORS. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK.
- ALL EXISTING RECEPTACLE OUTLETS AND ELECTRICAL DEVICES SHALL BE REMOVED AND REPLACED. REMOVE AND REPLACE CONDUCTORS. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK.

KEYED NOTES:

- EXISTING 300 KW (375KVA @ 0.80 P.F.) DIESEL DRIVEN EMERGENCY GENERATOR TO REMAIN FOR CONSTRUCTION POWER AND TO SERVE ELEVATORS. REFER TO ELECTRICAL ONE-LINE DIAGRAM SHEET E6.1. IT SHALL BE REMOVED ONCE NEW CPS SERVICE IS READY TO SERVE NEW FEEDER FOR ELEVATORS.
- REMOVE ELECTRICAL CONNECTIONS AND EQUIPMENT (FEEDERS, BRANCH CIRCUITS, CONTROL WIRES, DISCONNECTING MEANS, STARTERS, ETC) SERVING EXISTING COOLING TOWERS BEING DEMOLISHED.
- EXISTING CPS ENERGY PRIMARY DUCTBANK TO REMAIN. REFER TO SHEET E0.2.
- REMOVE EXISTING CPS ENERGY ELECTRICAL PRIMARY SERVICE FEEDER FROM EXISTING TRANSFORMER VAULT. CPS TO REMOVE.
- REMOVE AND REPLACE EXISTING AREA LIGHT FIXTURES. REPLACE EXISTING WIRING. REFER TO SHEET E0.2 FOR NEW WORK. SALVAGE LIGHT POLE AND RETURN TO OWNER. REFER TO GENERAL ELECTRICAL DEMO NOTE 2 ON SHEET E0.1.
- REMOVE AND REPLACE EXISTING WIRING DEVICES. REMOVE AND REPLACE EXISTING LIGHTING AND CONDUCTORS. REFER TO SHEET E0.2 FOR NEW WORK.
- EXISTING BUILDING UNDERGROUND TELEPHONE SERVICE ENTRANCE TO REMAIN.
- EXISTING VICTORIA PLAZA BUILDING SIGN TO REMAIN.
- REMOVE AND REPLACE EXISTING VICTORIA PLAZA BUILDING SIGN LIGHT FIXTURE. REFER TO SHEET E0.2 FOR NEW WORK.
- EXISTING FLAG POLE TO REMAIN.
- REMOVE AND REPLACE EXISTING FLAG POLE UP-LIGHT. REFER TO SHEET E0.2 FOR NEW WORK.
- EXISTING CPS OVERHEAD PRIMARY POLE RISER TO REMAIN.
- EXISTING BUILDING IRRIGATION CONTROLLER TO REMAIN.
- EXISTING ELECTRICAL GATE TO REMAIN.
- EXISTING STORAGE BUILDING ELECTRICAL SERVICE TO REMAIN.
- REMOVE AND REPLACE EXISTING BOLLARD FIXTURES. REPLACE EXISTING CONDUCTORS. REFER TO SHEET E0.2 FOR NEW WORK.
- EXISTING CPS ENERGY TRANSFORMER VAULT TO BE DECOMMISSIONED BY CPS ENERGY.
- REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT TO EXISTING NON-OPERATIONAL FOUNTAIN.
- REMOVE PORTION OF EXISTING CPS ENERGY PRIMARY DUCTBANK. REFER TO SHEET E0.2.

DHR
 DURAND-HOLLIS RUPE ARCHITECTS, INC.
 14603 HUEBNER ROAD BUILDING 18
 SAN ANTONIO, TEXAS 78230
 TEL: 210 308-0080
 FAX: 210 524-6572
 EMAIL: SA@DHRARCHITECTS.COM
 STRP@DHRARCHITECTS.COM

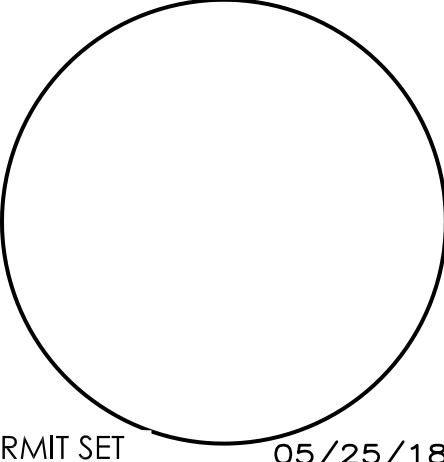
OWNER:
SAHA SAN ANTONIO HOUSING AUTHORITY
 818 SOUTH FLORES STREET
 SAN ANTONIO, TX 78204
 T. 210.477.4242

H2MG
 Consulting Mechanical + Electrical + Plumbing Engineers
 8000 H-70 West, Suite 1600
 San Antonio, Texas 78230
 Office: 210.525.0220
 Fax: 210.525.0225
 Texas Firm Registration #F-12003
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PROJECT ARCHITECT
 DURAND-HOLLIS RUPE ARCHITECTS, INC.
 14603 HUEBNER ROAD
 SAN ANTONIO, TEXAS 78230

SITE PLAN - DEMOLITION

SHEET NUMBER
ED0.2

1 ELECTRICAL SITE PLAN - DEMOLITION
 ED0.2 SCALE: 1" = 20'-0"

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STATE OF TEXAS
 RALPH E. MARTIN, JR.
 REGISTERED PROFESSIONAL ENGINEER
 28858
 05.25.2018

PROJECT ARCHITECT
 GIBSON DUNN & ASSOCIATES
 1500 BRIDGEWAY, SUITE 1000
 SAN ANTONIO, TEXAS 78204

TYPICAL 2 THRU 9 FLOOR PLAN - DEMOLITION ELECTRICAL

SHEET NUMBER
ED0.3

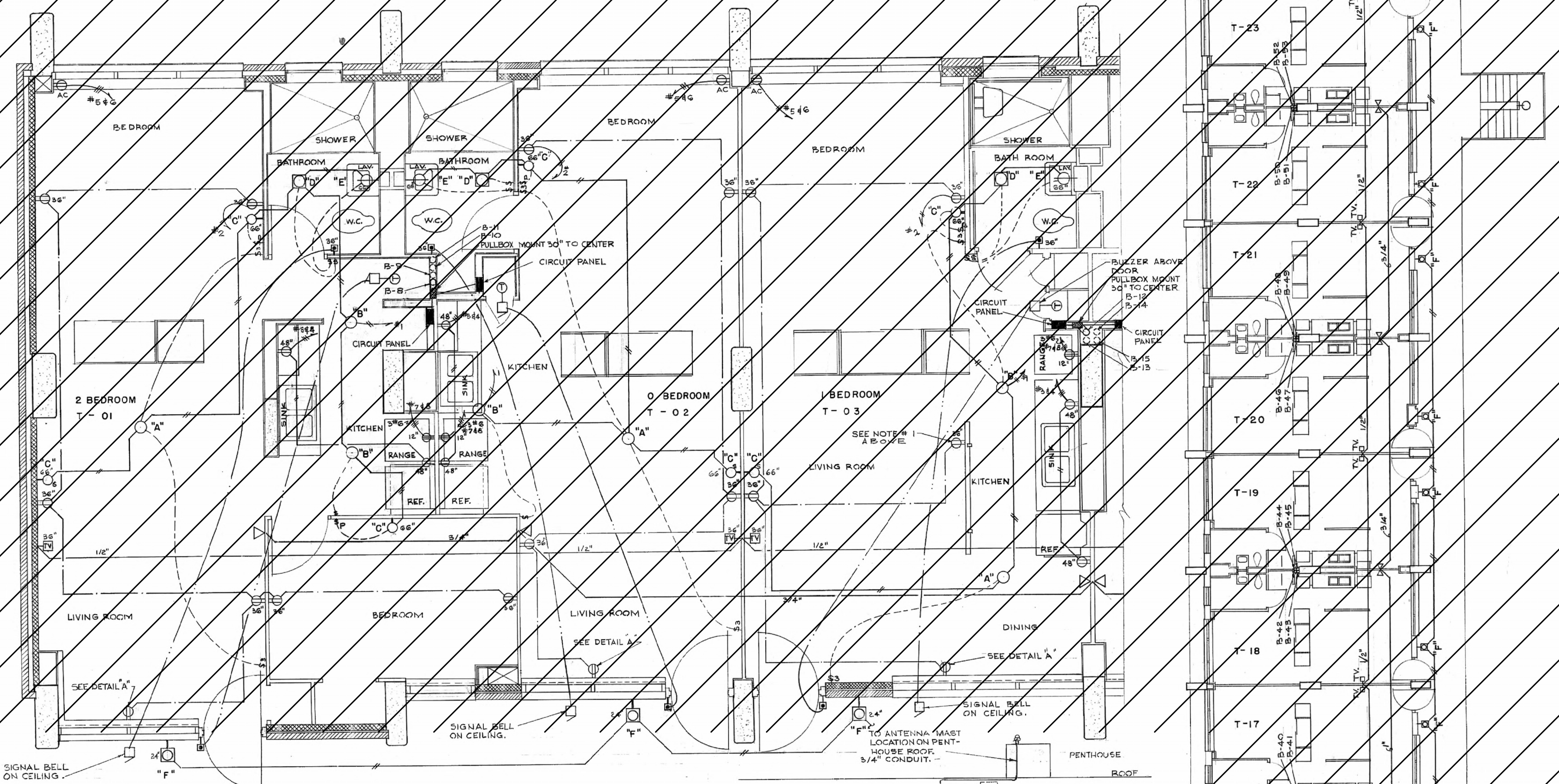
NOTE:
 #1 SEE ARCHITECTURAL PLANS FOR SCREEN DETAIL FOR INSTALLATION OF DUPLEX RECEPTACLE WITH CONCEALED CONDUIT. SEE SHEET NO. 2.5

ELECTRICAL SYMBOL SCHEDULE

- — RECESSED WALL OUTLET
- — RECESSED CEILING OUTLET
- — CEILING OUTLET
- — BRACKET OUTLET
- — BRACKET FIXTURE (SWITCH INTEGRAL)
- — JUNCTION BOX
- — DUPLEX CONVENIENCE RECEPT.
- — BRACKET FIXTURE WITH RECEPT.
- — FLOOR RECEPTACLE
- — RANGE OUTLET
- — WASHING MACHINE OUTLET
- — EXIT LIGHT OUTLET
- — SPECIAL PURPOSE OUTLET (DESCRIBE IN SPEC.)
- S — SINGLE POLE SWITCH
- S² — DOUBLE POLE SWITCH
- S³ — THREE-WAY SWITCH
- S⁴ — FOUR-WAY SWITCH
- S^L — LOCKING TYPE SWITCH
- S² — SWITCH AND OUTLET WITH NIGHT LIGHT
- PC — PULL CHAIN SWITCH
- — CLOCK OUTLET
- M/1/2 — MOTOR - 1/2 HORSEPOWER, ETC.
- CONDUCTOR GOING DOWN
- CONDUCTOR GOING UP
- CONTROLLER
- SERVICE EQUIPMENT (DESCRIBE IN SPEC.)
- LIGHTING PANEL
- POWER PANEL
- FEEDER DISTRIBUTION PANEL
- PULL BOX
- METER
- BRANCH CIRCUIT TO PANEL - CIRCUIT NOS. 1,2,3, ETC.
- BRANCH CIRCUIT, CONCEALED IN CEILING OR WALL
- SWITCHING DESIGNATION
- BRANCH CIRCUIT, CONCEALED IN FLOOR
- FEEDER CONCEALED
- FEEDER EXPOSED
- PUSH BUTTON
- — BUZZER
- — BELL RINGING TRANSFORMER
- — TELEPHONE OUTLET
- — PUBLIC TELEPHONE OUTLET
- SIGNAL CONDUCTORS IN RACEWAY (CONCEALED)
- TELEVISION CONVENIENCE RECEPT.

GENERAL NOTES:

1. REMOVE ALL BRANCH CIRCUIT AND FEEDER CONDUCTORS.
2. REMOVE ALL PANELBOARDS IN RESIDENT UNITS.
3. REMOVE ALL LIGHTING FIXTURES AND WIRING DEVICES. EXISTING RACEWAYS CONCEALED IN SLAB AND STRUCTURE MAY BE REUSE IF APPROPRIATE FOR NEW WORK.
4. TV AND TELEPHONE OUTLETS AND CABLES SHALL REMAIN AS INSTALLED U.O.N.
5. REMOVE ALL FIRE ALARM DEVICES AND CABLES.

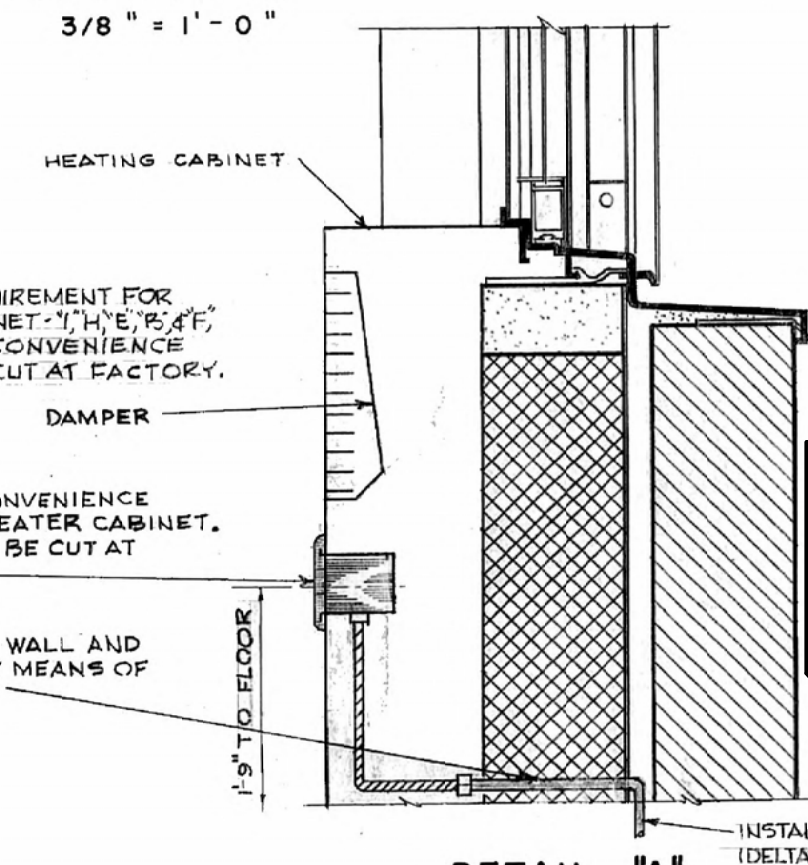


TYPICAL 2ND THRU 9TH FLOOR UNITS
 SCALE: 3/8" = 1'-0"

NOTE:
 NOTE REQUIREMENT FOR OPENING IN CABINET 3 1/2" x 7 1/2" FOR ELECTRICAL CONVENIENCE OUTLET TO BE CUT AT FACTORY.

INSTALL BOX AND CONVENIENCE OUTLET IN FACE OF HEATER CABINET. HOLE IN CABINET TO BE CUT AT FACTORY.

STUB CONDUIT THRU WALL AND CONNECT TO BOX BY MEANS OF FLEXIBLE CONDUIT.



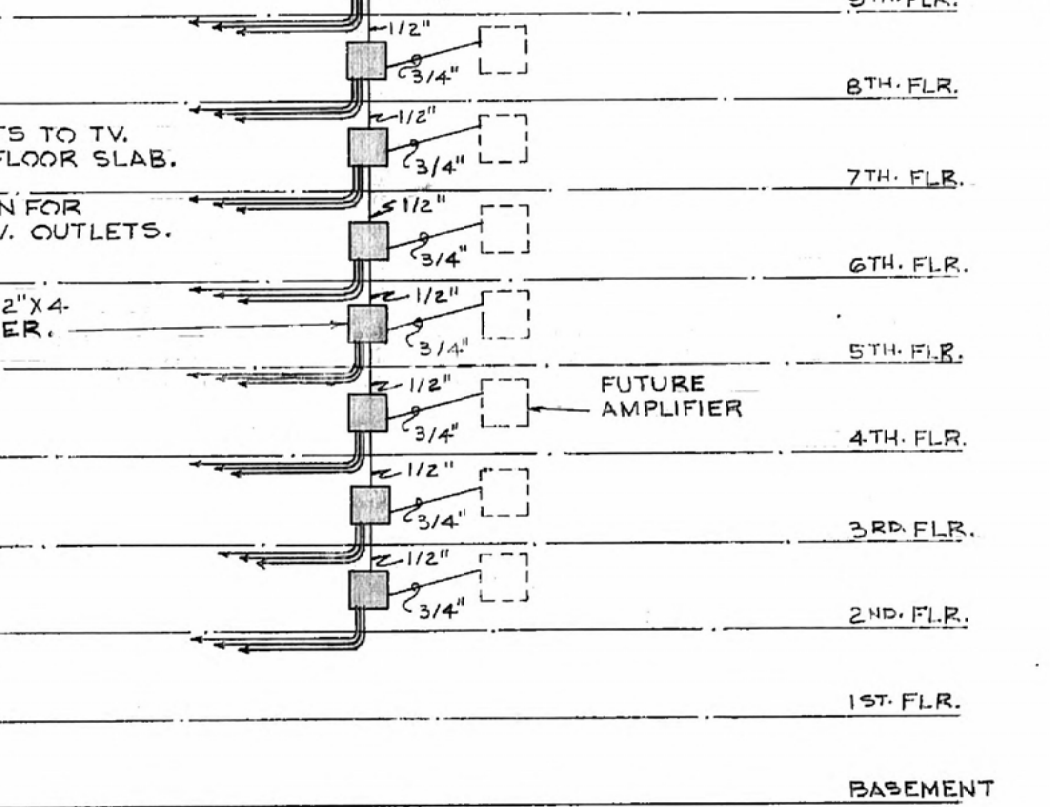
DETAIL "A"
 SCALE: 3" = 1'-0"

EXISTING TV RISER DIAGRAM
 GENERAL NOTE:
 EXISTING BUILDING TV SYSTEM SHALL REMAIN AS INSTALLED.

NOTE:

EXISTING 1/2" CONDUITS TO TV OUTLETS IN THE FLOOR SLAB. SEE FLOOR PLAN FOR LOCATION OF TV OUTLETS.

TV BOXES - 18" x 12" x 4" WITH SCREW COVER.



EXISTING TV RISER DIAGRAM
 NO SCALE

GENERAL NOTES:

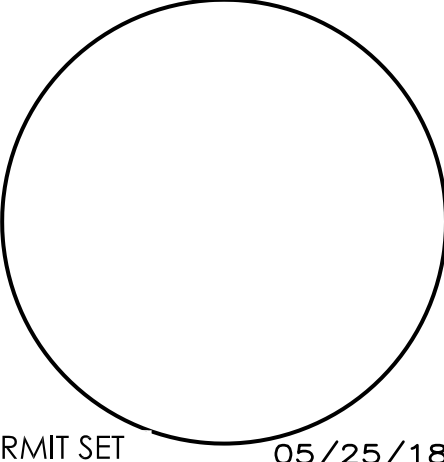
- #1. SEE ENLARGED SCALE PLAN FOR TYPICAL DWELLING UNIT ELECTRICAL INSTALLATION.
- #2. DWELLING UNITS T-01 & T-14 IDENTICAL BUT WITH REVERSED ARRANGEMENT.
- #3. DWELLING UNITS T-02 & T-15 IDENTICAL BUT WITH REVERSED ARRANGEMENT.
- #4. DWELLING UNITS T-03 THRU T-13 & T-16 THRU T-23 IDENTICAL BUT WITH REVERSED ARRANGEMENT.

1 TYPICAL 2 THRU 9 FLOOR PLAN - DEMOLITION
 ED0.3 SCALE: 1/8" = 1'-0"

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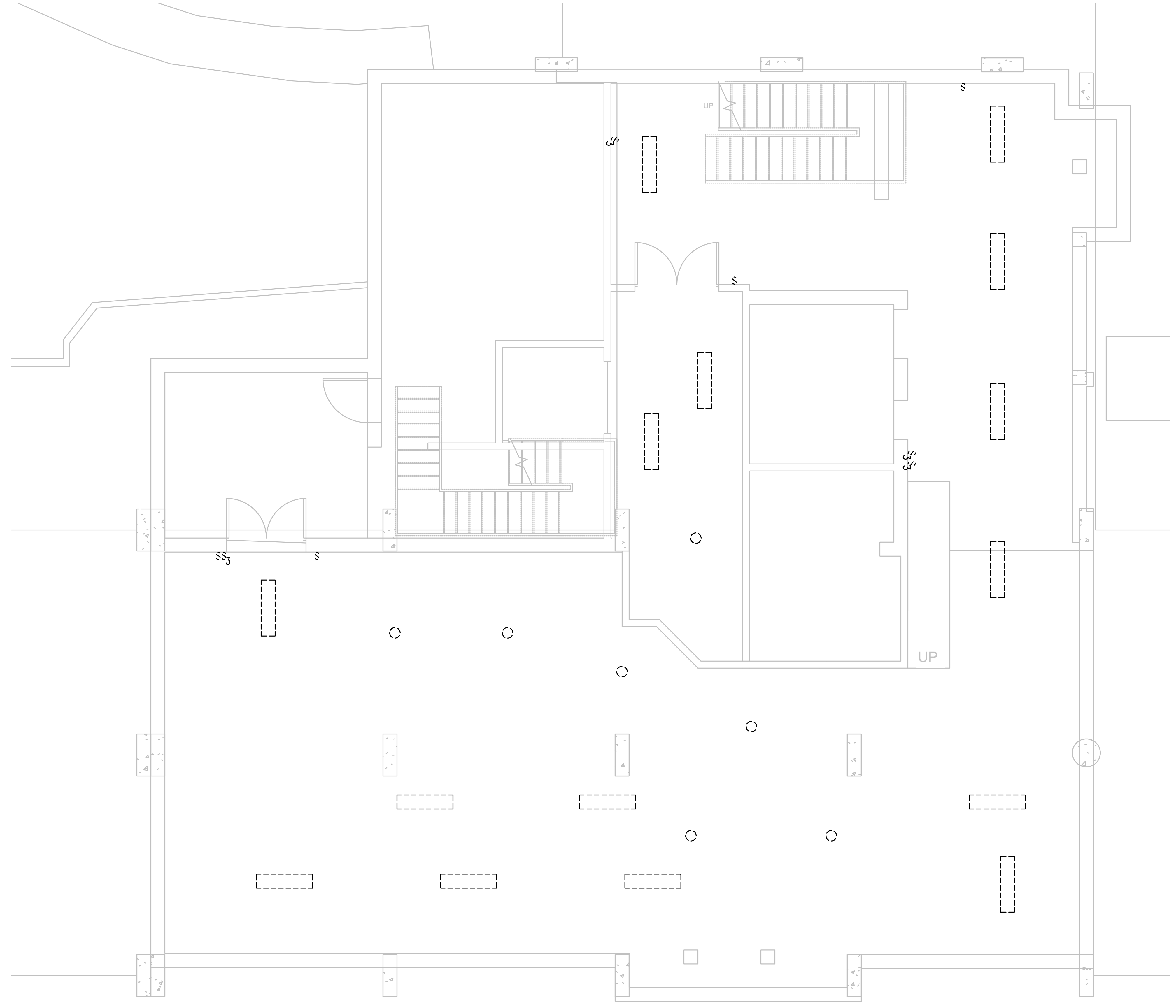
PROJECT ARCHITECT
 GABRIEL DURAND-HOLLIS, AIA
 1510 WEST 10TH STREET

BASEMENT - DEMOLITION
 - LIGHTING

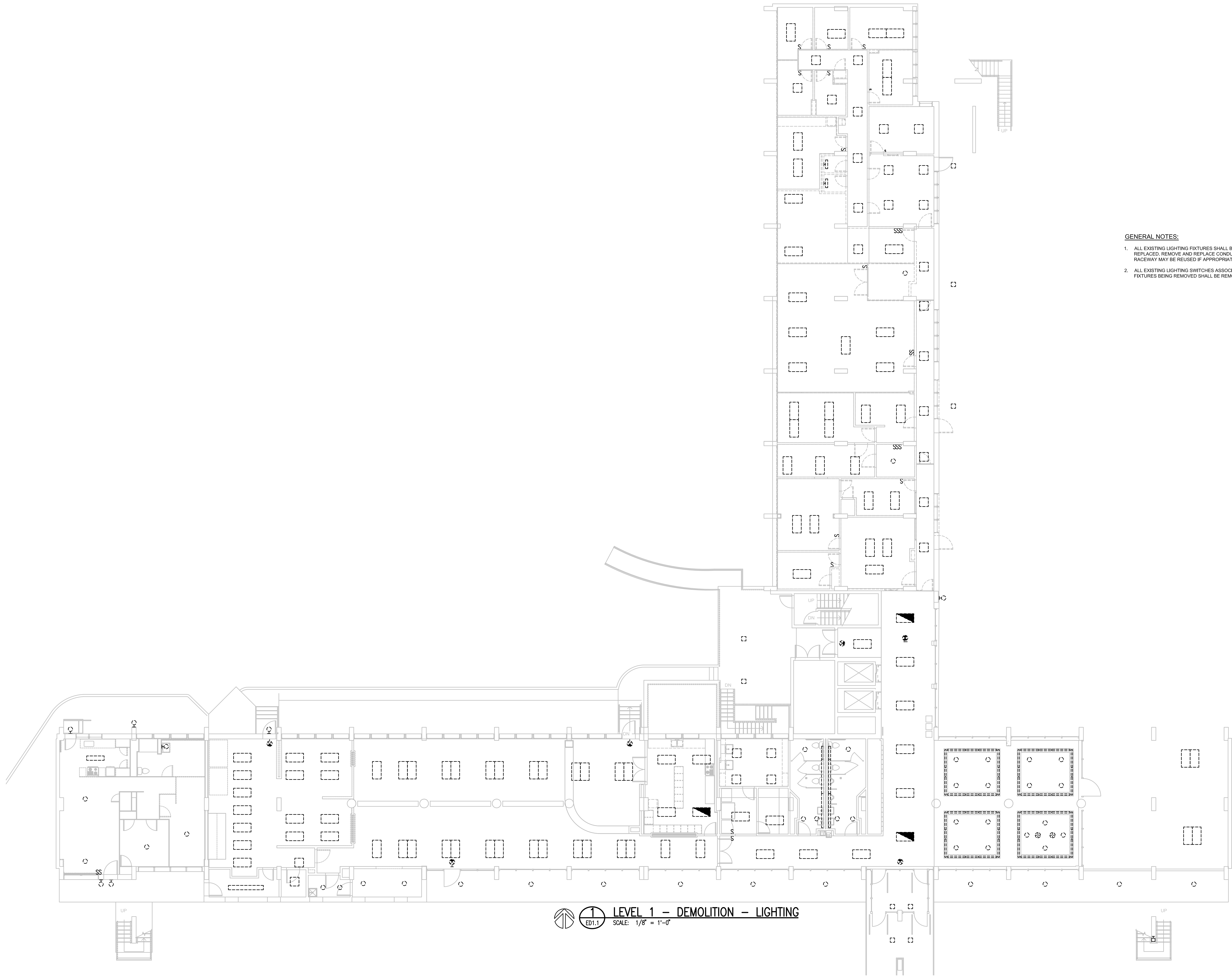
SHEET NUMBER
ED1.0



GENERAL NOTES:

1. ALL EXISTING LIGHTING FIXTURES SHALL BE REMOVED AND REPLACED. REMOVE AND REPLACE CONDUCTORS. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK.
2. ALL EXISTING LIGHTING SWITCHES ASSOCIATED WITH THE LIGHTING FIXTURES BEING REMOVED SHALL BE REMOVED.



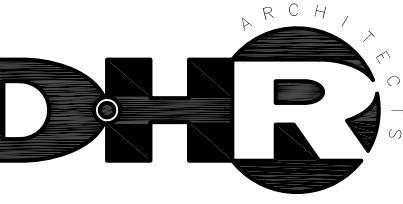
1 BASEMENT - DEMOLITION - LIGHTING
 ED1.0 SCALE: 1/4" = 1'-0"





LEVEL 1 - DEMOLITION - LIGHTING
 SCALE: 1/8" = 1'-0"

- GENERAL NOTES:**
1. ALL EXISTING LIGHTING FIXTURES SHALL BE REMOVED AND REPLACED. REMOVE AND REPLACE CONDUCTORS. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK.
 2. ALL EXISTING LIGHTING SWITCHES ASSOCIATED WITH THE LIGHTING FIXTURES BEING REMOVED SHALL BE REMOVED.

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 14603 HUEBNER ROAD
 BUILDING 18
 SAN ANTONIO, TEXAS 78230
 TEL: 210 308-0080
 VOICEMAIL: 210 524-6572
 EMAIL: info@dhrarchitects.com
www.dhrarchitects.com

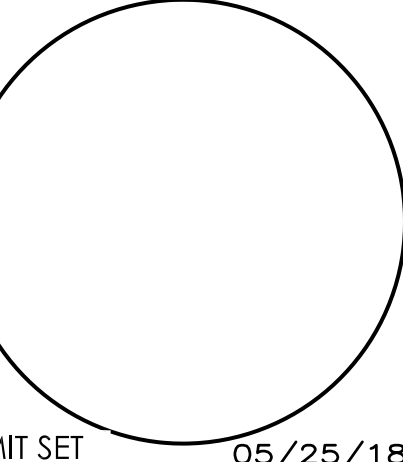
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 SAN ANTONIO, TX 78204
 T. 210.477.4242


 Creating Mechanical • Electrical • Plumbing Engineers
 8000 H-70 West, Suite 1000
 San Antonio, Texas 78230
 Office: 210.525.0220
 Fax: 210.525.9125
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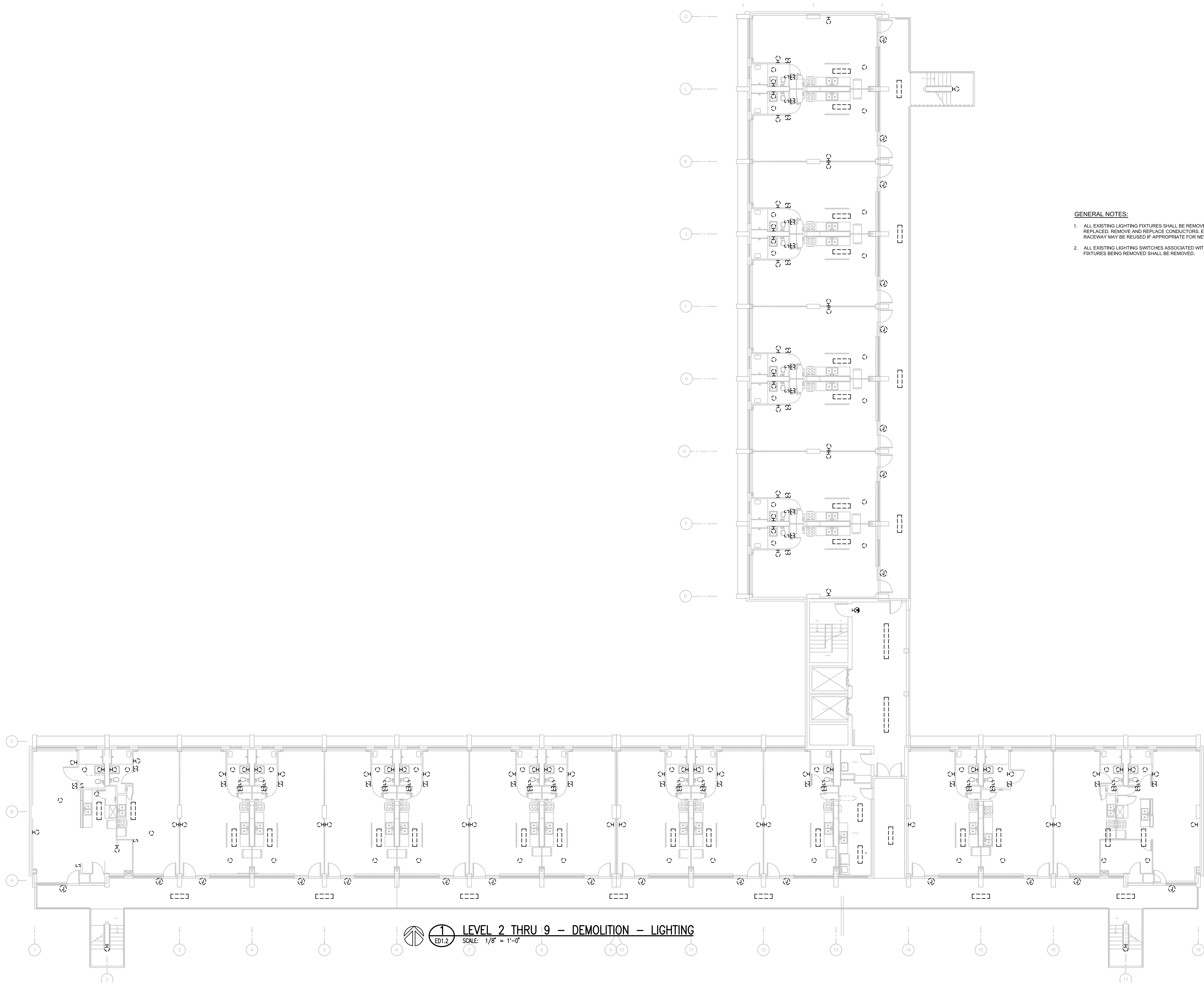
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 RALPH E. MARTIN, JR.
 28858
 REGISTERED PROFESSIONAL ENGINEER
 05.25.2018

PROJECT ARCHITECT
 GABRIEL DURAND-HOLLIS, AIA
 15100 WILLOW WOOD DRIVE
 SAN ANTONIO, TEXAS 78241

SHEET NUMBER
ED1.1

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1 LEVEL 2 THRU 9 - DEMOLITION - LIGHTING
ED1.2 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL EXISTING LIGHTING FIXTURES SHALL BE REMOVED AND REPLACED. REMOVE AND REPLACE CONDUCTORS. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK.
2. ALL EXISTING LIGHTING SWITCHES ASSOCIATED WITH THE LIGHTING FIXTURES BEING REMOVED SHALL BE REMOVED.

DHR
 DURAND-HOLLIS RUPE
 ARCHITECTS, INC.
 14603 HUEBNER ROAD
 BUILDING 18
 SAN ANTONIO, TEXAS
 78230
 TEL: 210 308-0080
 VOICEMAILS 210 524-6572
 EMAIL: info@dhrarchitects.com
www.dhrarchitects.com

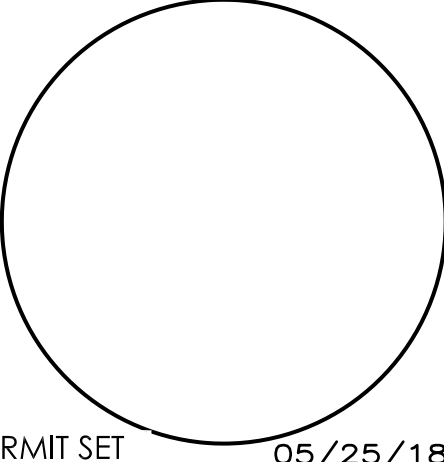
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 818 SOUTH FLORES STREET
 SAN ANTONIO, TX 78204
 T. 210.477.4242

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 8000 W-10 West, Suite 1600
 San Antonio, Texas 78230
 Office: 210.325.0220
 Fax: 210.325.0225
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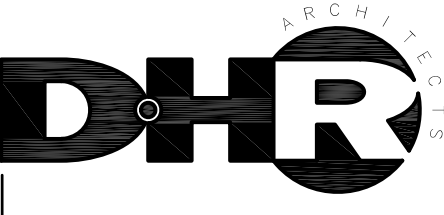
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 RALPH E. MARTIN, JR.
 05.25.2018

PROJECT ARCHITECT
 GREGORY DURAND-HOLLIS, AIA
 14603 HUEBNER ROAD, SAN ANTONIO, TX 78230

LEVEL 2 THRU 9 -
 DEMOLITION - LIGHTING

SHEET NUMBER
ED1.2



DURAND-HOLLIS RUPE
ARCHITECTS, INC.
14603 HUEBNER ROAD
BUILDING 18
SAN ANTONIO, TEXAS
78230
TEL: 210 308-0080
WORKPHONES 210 524-6572
EMAIL: info@dhrarchitects.com
www.dhrarchitects.com



SAN ANTONIO HOUSING AUTHORITY
818 SOUTH FLORES STREET
SAN ANTONIO, TX 78204
T. 210.477.6262

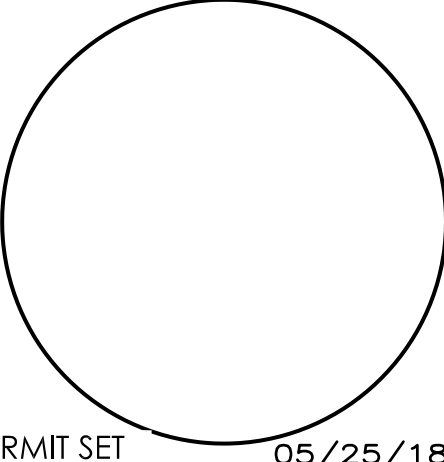


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8000 W-70 West, Suite 1002
San Antonio, Texas 78230
Office: 210.525.0220
Fax: 210.525.9225
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PROJECT ARCHITECT
SERGE DURAND-HOLLIS, AIA
TXID: 46392 (05/15/08)

ROOF LEVEL -
DEMOLITION - LIGHTING

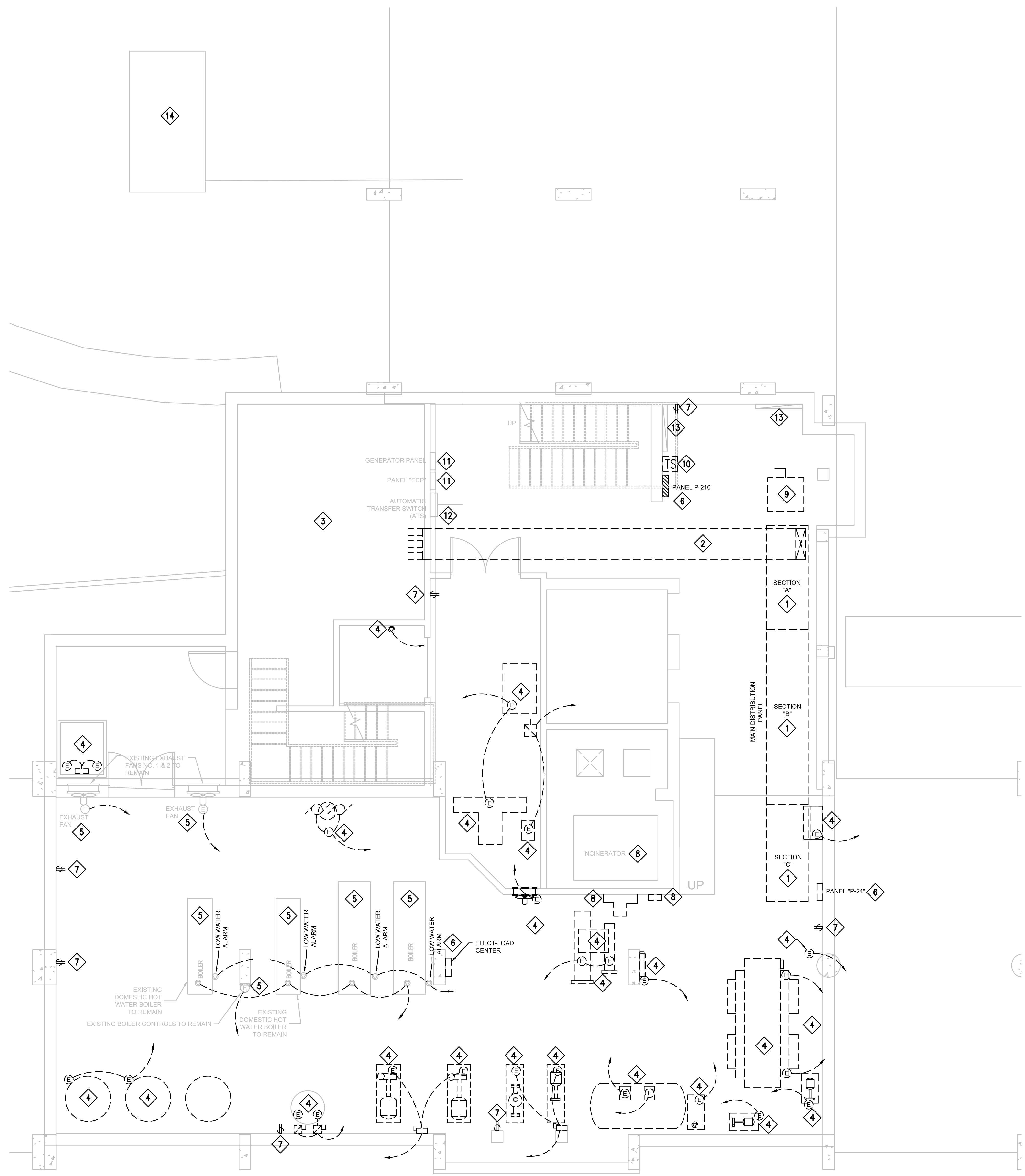
SHEET NUMBER
ED1.3



- GENERAL NOTES:**
1. ALL EXISTING LIGHTING FIXTURES SHALL BE REMOVED AND REPLACED. REMOVE AND REPLACE CONDUCTORS. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK.
 2. ALL EXISTING LIGHTING SWITCHES ASSOCIATED WITH THE LIGHTING FIXTURES BEING REMOVED SHALL BE REMOVED.

1 ROOF LEVEL - DEMOLITION - LIGHTING
ED1.3 SCALE: 1/8" = 1'-0"

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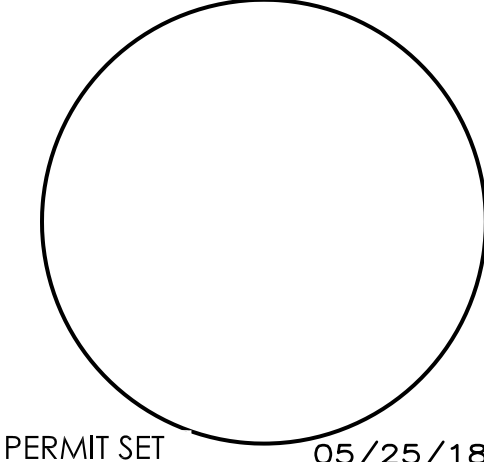
- GENERAL NOTES:**
- ALL EXISTING RECEPTACLES OUTLETS SHALL BE REMOVED AND REPLACED. REMOVE AND REPLACE CONDUCTORS. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK.
 - ALL EXISTING EQUIPMENT SHOWN DASHED, SHALL BE REMOVED AND REPLACED. REMOVE CONDUCTORS BACK TO SOURCE. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK.
- GENERAL NOTES:**
- REMOVE EXISTING 4000AMP, 208/120VOLT SWITCHBOARD. REMOVE ALL FEEDERS SERVED BY EXISTING SWITCHBOARD. REFER TO SHEET ED01.
 - REMOVE EXISTING 4000AMP, 208/120VOLT BUS-DUCT CONNECTED TO EXISTING TRANSFORMER TAP BOX.
 - REMOVE EXISTING MAIN SERVICE DISCONNECT.
 - REMOVE EXISTING INCINERATOR. REMOVE INCINERATOR CONTROL PANEL AND ASH LIFT AND ALL ASSOCIATED ELECTRICAL. REMOVE BRANCH CIRCUIT BACK TO SOURCE.
 - EXISTING HVAC AND PLUMBING EQUIPMENT TO REMAIN. REMOVE ELECTRICAL CONNECTIONS (FEEDERS AND BRANCH CIRCUITS) FROM ELECTRICAL SWITCHBOARD AND PANELBOARDS BEING REMOVED. PROVIDE NEW FEEDERS AND BRANCH CIRCUITS FROM NEW ELECTRICAL PANELBOARDS. SEE SHEET ED20 FOR NEW WORK.
 - REMOVE EXISTING ELECTRICAL PANELBOARD AND FEEDER.
 - REMOVE AND REPLACE EXISTING WIRING DEVICES. REMOVE AND REPLACE CONDUCTORS. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK. REFER TO NEW WORK.
 - EXISTING INCINERATOR. REMOVE INCINERATOR CONTROL PANEL AND ASH LIFT AND ALL ASSOCIATED ELECTRICAL. REMOVE BRANCH CIRCUIT BACK TO PANEL.
 - REMOVE EXISTING MAIN SERVICE DISCONNECT.
 - REMOVE EXISTING EXTERIOR LIGHTING CONTROL TIME CLOCK AND CORRIDOR LIGHTING CONTROLLER.
 - EXISTING PANELBOARDS TO REMAIN. EXISTING FEEDER TO PANEL "EDP". REFER TO ELECTRICAL ONE-LINE DIAGRAM SHEET E6.1.
 - EXISTING 1000AMP AUTOMATIC TRANSFER SWITCH (ATS) TO REMAIN. REMOVE EXISTING NORMAL POWER FEEDER. PROVIDE NEW NORMAL POWER FEEDER. REFER TO ELECTRICAL ONE-LINE DIAGRAM SHEET E6.1. THIS ATS, AND ASSOCIATED FEEDER AND PANELS SHALL BE REMOVED ONCE THE NEW ELECTRICAL SERVICE IS READY TO SERVE THE BUILDING ELEVATORS AND NEW STANDBY POWER EQUIPMENT.
 - EXISTING BUILDING TELEPHONE SERVICE ENTRANCE TO REMAIN.
 - THE EXISTING DIESEL GENERATOR SHALL REMAIN IN SERVICE UNTIL NEW ELECTRICAL SYSTEM IS AVAILABLE TO OPERATE THE ELEVATORS AND ESSENTIAL STANDBY POWER NEEDS FOR THE BUILDING.

1 BASEMENT - DEMOLITION - ELECTRICAL
 ED2.0 SCALE: 1/4" = 1'-0"

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 411 BARRERA, SAN ANTONIO, TEXAS 78210**

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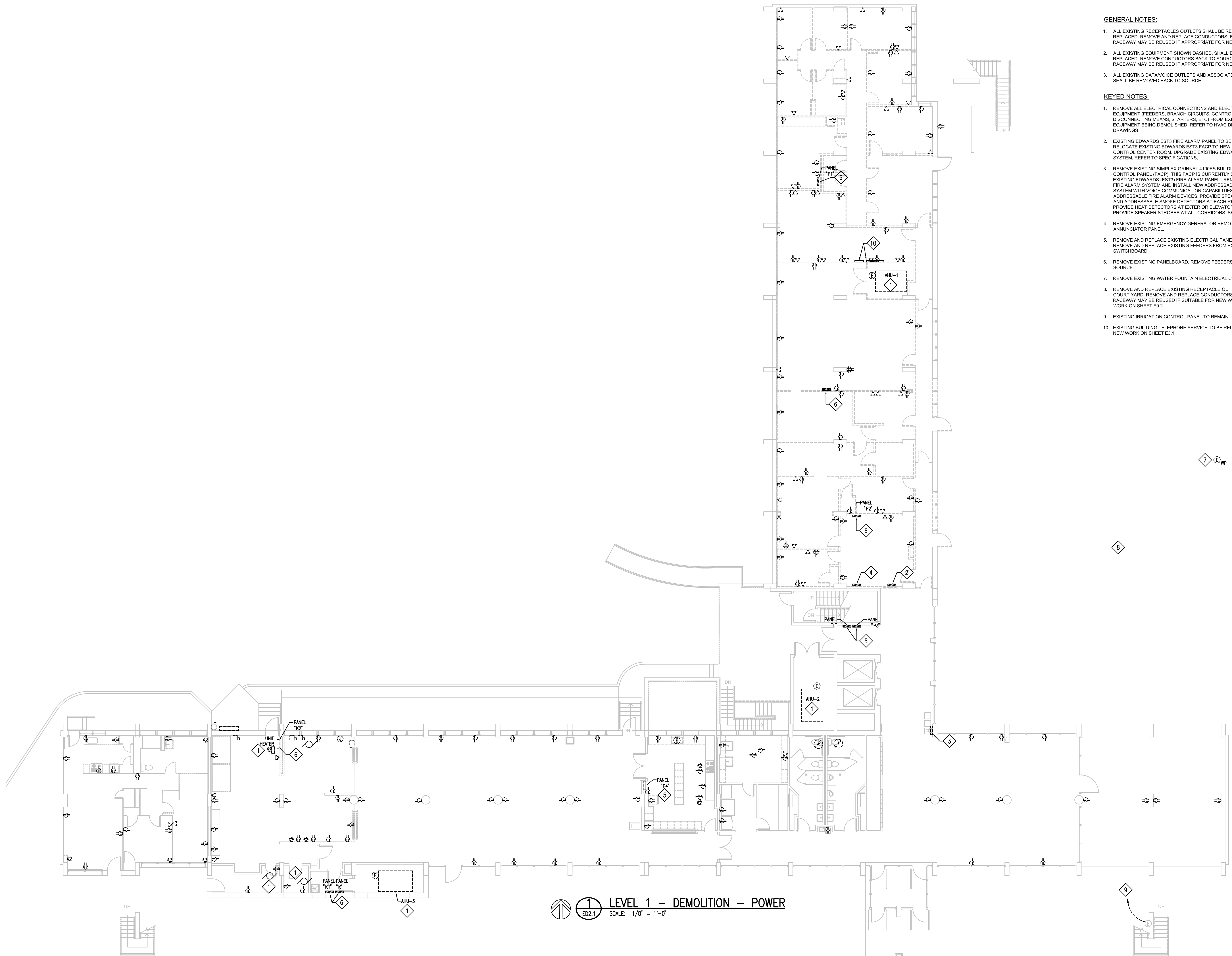
PROJECT ARCHITECT
 DURAND-HOLLIS RUPE ARCHITECTS, INC.
 14603 HUEBNER ROAD
 SAN ANTONIO, TEXAS 78230

BASEMENT - DEMOLITION - ELECTRICAL

SHEET NUMBER
ED2.0

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LEVEL 1 - DEMOLITION - POWER
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL EXISTING RECEPTACLES OUTLETS SHALL BE REMOVED AND REPLACED. REMOVE AND REPLACE CONDUCTORS. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK.
2. ALL EXISTING EQUIPMENT SHOWN DASHED, SHALL BE REMOVED AND REPLACED. REMOVE CONDUCTORS BACK TO SOURCE. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK. UON.
3. ALL EXISTING DATA/VOICE OUTLETS AND ASSOCIATED CONDUCTORS SHALL BE REMOVED BACK TO SOURCE.

KEYED NOTES:

1. REMOVE ALL ELECTRICAL CONNECTIONS AND ELECTRICAL EQUIPMENT (FEEDERS, BRANCH CIRCUITS, CONTROL WIRING, DISCONNECTING MEANS, STARTERS, ETC) FROM EXISTING HVAC EQUIPMENT BEING DEMOLISHED. REFER TO HVAC DEMOLITION DRAWINGS.
2. EXISTING EDWARDS EST3 FIRE ALARM PANEL TO BE REPLACED. RELOCATE EXISTING EDWARDS EST3 FACP TO NEW BUILDING FIRE CONTROL CENTER ROOM. UPGRADE EXISTING EDWARDS EST3 DRAWINGS.
3. REMOVE EXISTING SIMPLEX GRINNEL 4100ES BUILDING FIRE ALARM CONTROL PANEL (FACP). THIS FACP IS CURRENTLY SUPERVISING EXISTING EDWARDS (EST3) FIRE ALARM PANEL. REMOVE EXISTING FIRE ALARM SYSTEM AND INSTALL NEW ADDRESSABLE FIRE ALARM SYSTEM WITH VOICE COMMUNICATION CAPABILITIES AND ADDRESSABLE FIRE ALARM DEVICES. PROVIDE SPEAKER STROBES AND ADDRESSABLE SMOKE DETECTORS AT EACH RESIDENT UNIT. PROVIDE HEAT DETECTORS AT EXTERIOR ELEVATOR LOBBIES. PROVIDE SPEAKER STROBES AT ALL CORRIDORS. SEE NEW WORK.
4. REMOVE EXISTING EMERGENCY GENERATOR REMOTE ANNUNCIATOR PANEL.
5. REMOVE AND REPLACE EXISTING ELECTRICAL PANELBOARD. REMOVE AND REPLACE EXISTING FEEDERS FROM EXISTING SWITCHBOARD.
6. REMOVE EXISTING PANELBOARD. REMOVE FEEDERS BACK TO SOURCE.
7. REMOVE EXISTING WATER FOUNTAIN ELECTRICAL CONNECTIONS.
8. REMOVE AND REPLACE EXISTING RECEPTACLE OUTLETS IN THE COURT YARD. REMOVE AND REPLACE CONDUCTORS. EXISTING RACEWAY MAY BE REUSED IF SUITABLE FOR NEW WORK. SEE NEW WORK ON SHEET ED.2
9. EXISTING IRRIGATION CONTROL PANEL TO REMAIN.
10. EXISTING BUILDING TELEPHONE SERVICE TO BE RELOCATED. SEE NEW WORK ON SHEET E3.1

DHR
 DURAND-HOLLIS RUPE ARCHITECTS, INC.
 14603 HUEBNER ROAD
 BUILDING 18
 SAN ANTONIO, TEXAS 78230
 TEL: 210 308-0080
 VOICEMAIL: 210 524-6572
 EMAIL: info@dhrarchitects.com
www.dhrarchitects.com

OWNER:
SAHA SAN ANTONIO HOUSING AUTHORITY
 818 SOUTH FLORES STREET
 SAN ANTONIO, TX 78204
 T. 210.477.4242

H2MG
 Consulting Mechanical + Electrical + Plumbing Engineers
 8000 HWY 90 West, Suite 1600
 San Antonio, Texas 78230
 Office: 210.525.0220
 Fax: 210.525.0225
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STATE OF TEXAS
 RALPH E. MARTIN, JR.
 28858
 REGISTERED PROFESSIONAL ENGINEER
 05.25.2018

PROJECT ARCHITECT
 GEORGE DURAND-HOLLIS, ARCHITECT
 14603 HUEBNER ROAD
 SAN ANTONIO, TEXAS 78230

SHEET NUMBER
ED2.1

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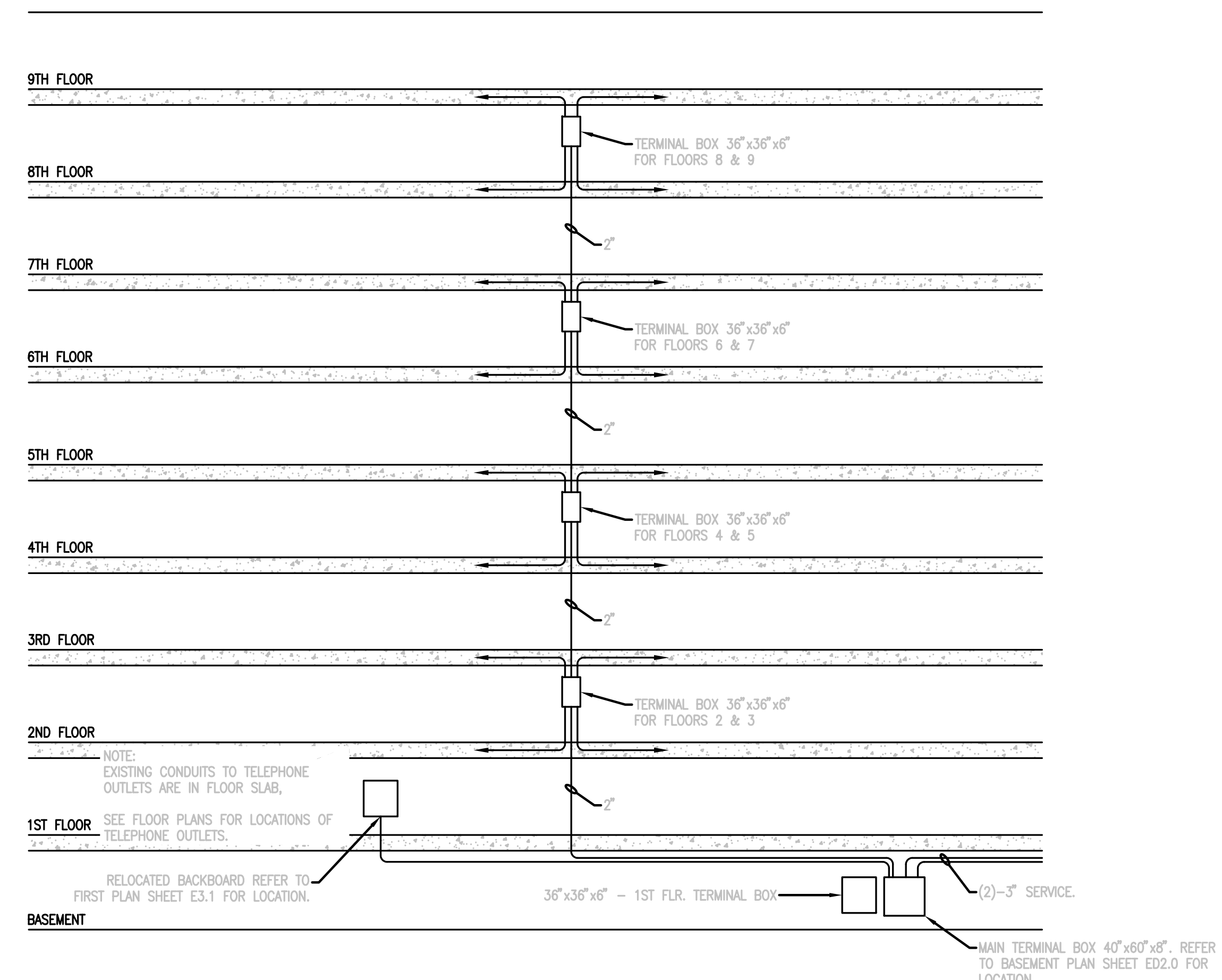
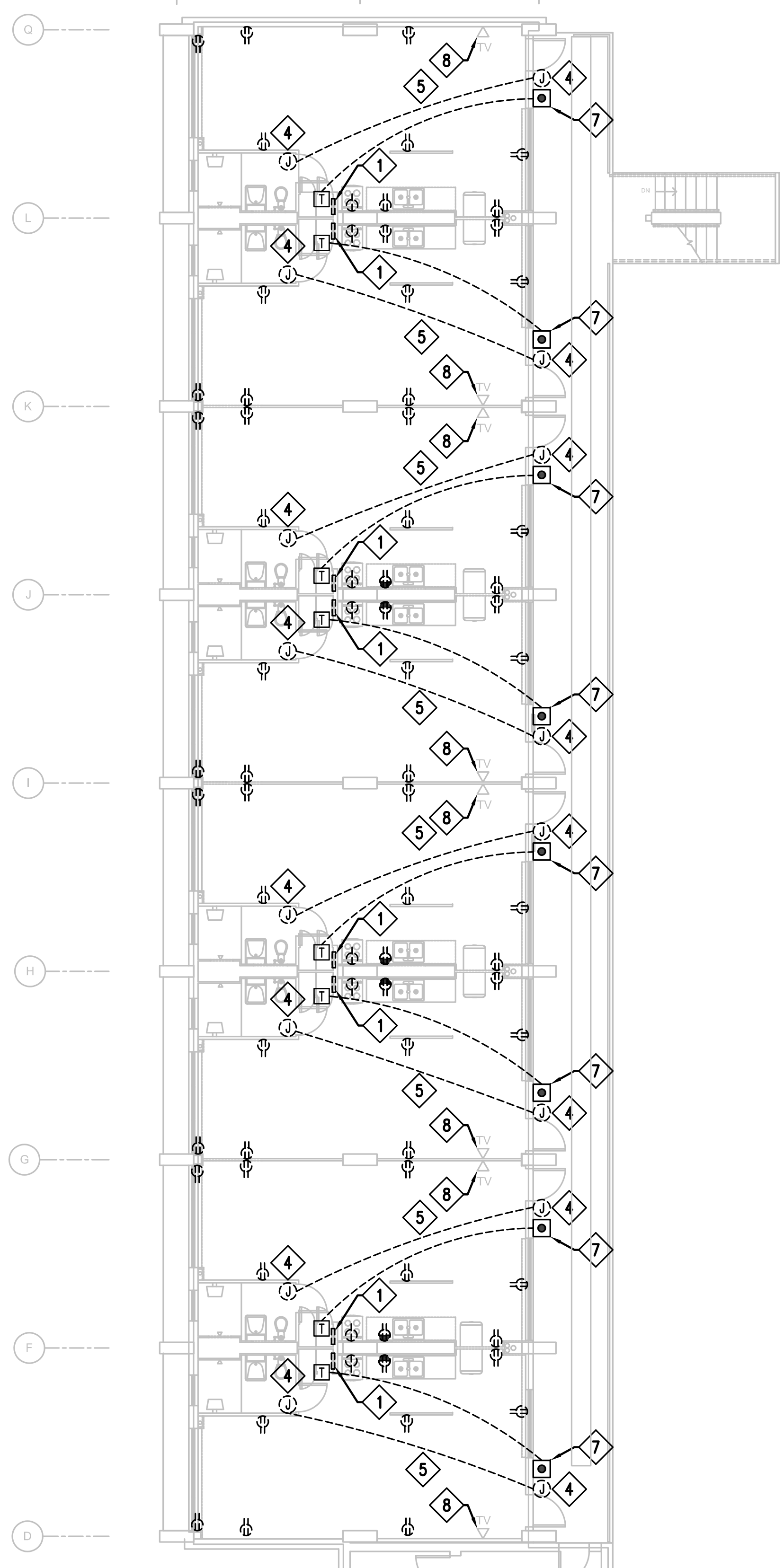
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 REGISTERED PROFESSIONAL ENGINEER
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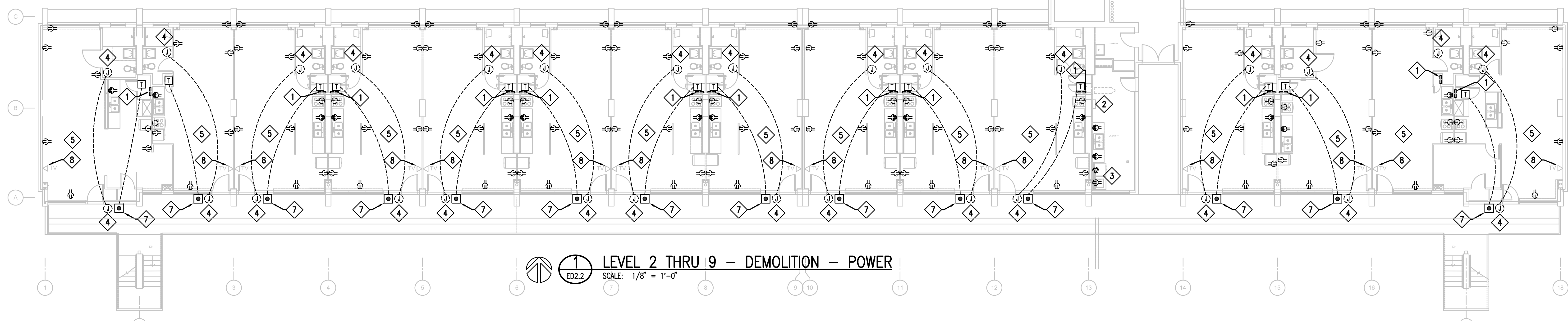
PROJECT ARCHITECT
 GEORGE DURAND-HOLLIS, ARCHITECT
 10100 WOODVIEW DRIVE
 SAN ANTONIO, TEXAS 78230

SHEET NUMBER
ED2.2

- GENERAL NOTES:**
- ALL EXISTING RECEPTACLES OUTLETS SHALL BE REMOVED AND REPLACED. REMOVE AND REPLACE CONDUCTORS. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK.
 - ALL EXISTING EQUIPMENT SHOWN DASHED, SHALL BE REMOVED AND REPLACED. REMOVE CONDUCTORS BACK TO SOURCE. EXISTING RACEWAY MAY BE REUSED IF APPROPRIATE FOR NEW WORK. UON.
 - ALL EXISTING TELEPHONE AND TV OUTLETS AND ASSOCIATED CONDUCTORS SHALL REMAIN.
- KEYED NOTES:**
- REMOVE 100AMP, 120/240VOLT, 1-PHASE ELECTRICAL PANELBOARDS AND FEEDERS IN EXISTING RESIDENTIAL UNITS (TYPICAL).
 - REMOVE EXISTING LAUNDRY ROOM AND GALLEY 100AMP, 120/240VOLT, 1-PHASE ELECTRICAL PANELBOARD AND FEEDER.
 - REMOVE EXISTING LAUNDRY ROOM WASHER(S) AND DRYER(S) WIRING DEVICES AND ASSOCIATED BRANCH CIRCUITS.
 - REMOVE EXISTING SIGNAL BELL IN EXISTING RESIDENTIAL UNITS (TYPICAL FOR EVERY APARTMENT) INCLUDING WIRINGS.
 - REMOVE EXISTING WIRING DEVICES IN EXISTING RESIDENTIAL UNITS (TYPICAL) INCLUDING BRANCH CIRCUITS.
 - EXISTING SURFACE MOUNTED PLASTIC RACEWAY SYSTEM FOR CABLE T.V. COAX CABLE TO REMAIN.
 - REMOVE AND REPLACE EXISTING APARTMENT DOOR BELL.
 - EXISTING T.V. OUTLET TO REMAIN.



2 EXISTING TELEPHONE RISER DIAGRAM (TO REMAIN)
 ED2.2 SCALE: NOT TO SCALE

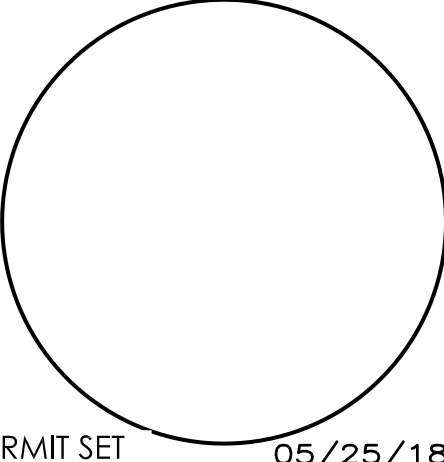


1 LEVEL 2 THRU 9 - DEMOLITION - POWER
 ED2.2 SCALE: 1/8" = 1'-0"

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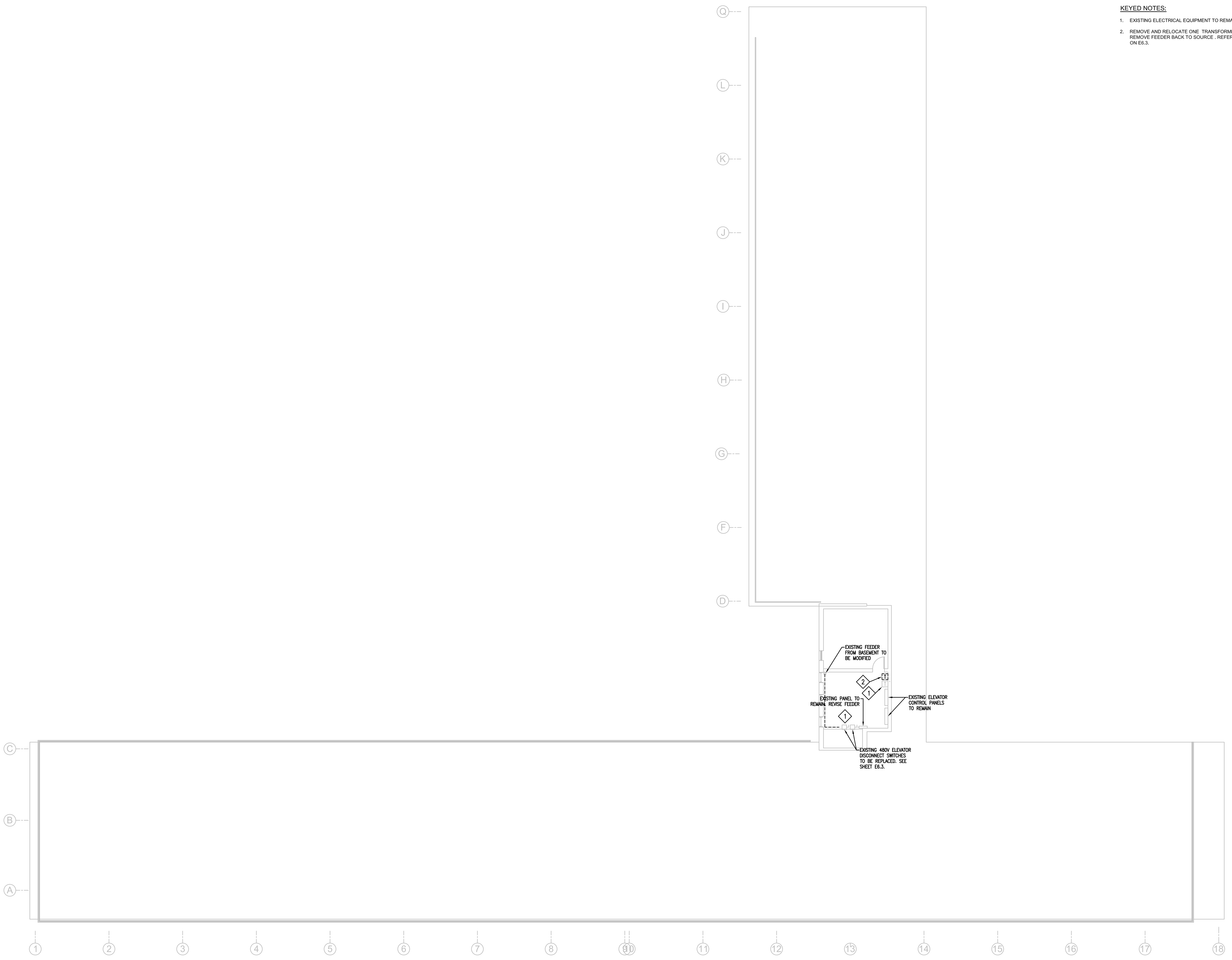


PROJECT ARCHITECT
 GABRIEL DURAND-HOLLIS, ARCHITECT
 14603 HUEBNER ROAD

ROOF LEVEL -
 DEMOLITION - POWER

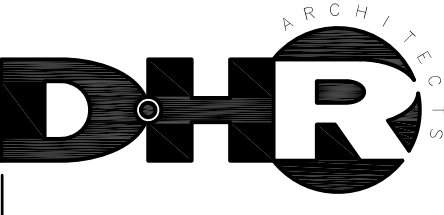
SHEET NUMBER
ED2.3

- KEYED NOTES:**
- EXISTING ELECTRICAL EQUIPMENT TO REMAIN.
 - REMOVE AND RELOCATE ONE TRANSFORMER TO BASEMENT. REMOVE FEEDER BACK TO SOURCE. REFER TO ONE LINE DIAGRAM ON E6.3.



1 ROOF LEVEL - DEMOLITION - POWER
 ED2.3 SCALE: 1/8" = 1'-0"

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DURAND-HOLLIS RUPE
ARCHITECTS, INC.
14603 HUEBNER ROAD
BUILDING 18
SAN ANTONIO, TEXAS
78230
TEL: 210 308-0080
WORKPHONES 210 524-6572
eMAIL: info@dhrarchitects.com
www.dhrarchitects.com



SAN ANTONIO HOUSING AUTHORITY
818 SOUTH FLORES STREET
SAN ANTONIO, TX 78204
T. 210.477.4242

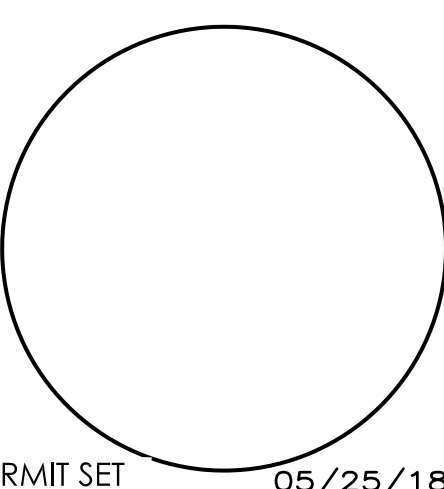


Consulting Mechanical • Electrical • Plumbing Engineers
8000 W-70 West, Suite 1002
San Antonio, Texas 78230
Office: 210.525.0220
Fax: 210.525.9225
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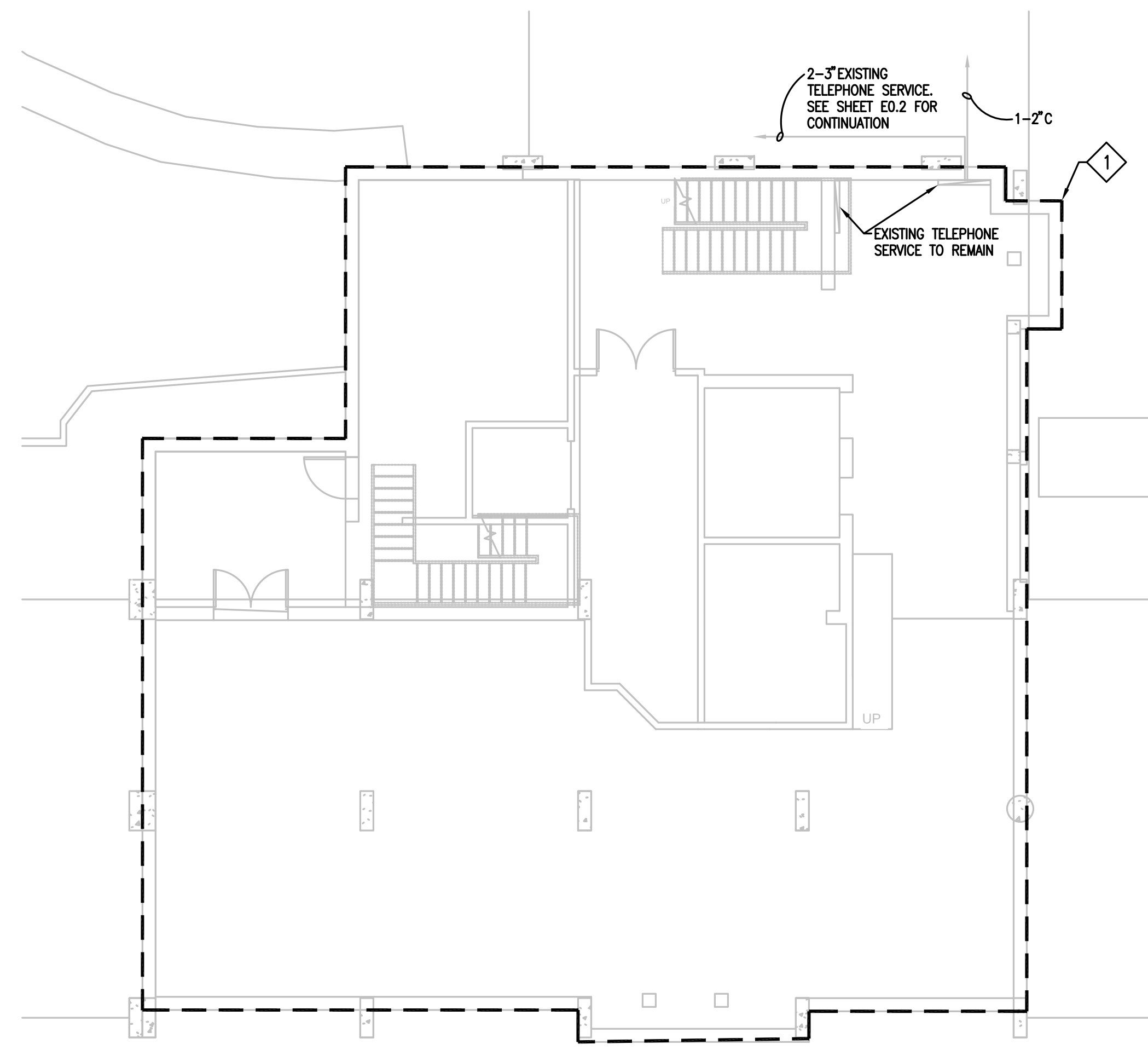
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PROJECT ARCHITECT
GEORGE DURAND-HOLLIS, AIA
1510 W. LOOP WEST, SUITE 1000

BASEMENT - DEMOLITION
- SPECIAL SYSTEMS

SHEET NUMBER
ED3.0

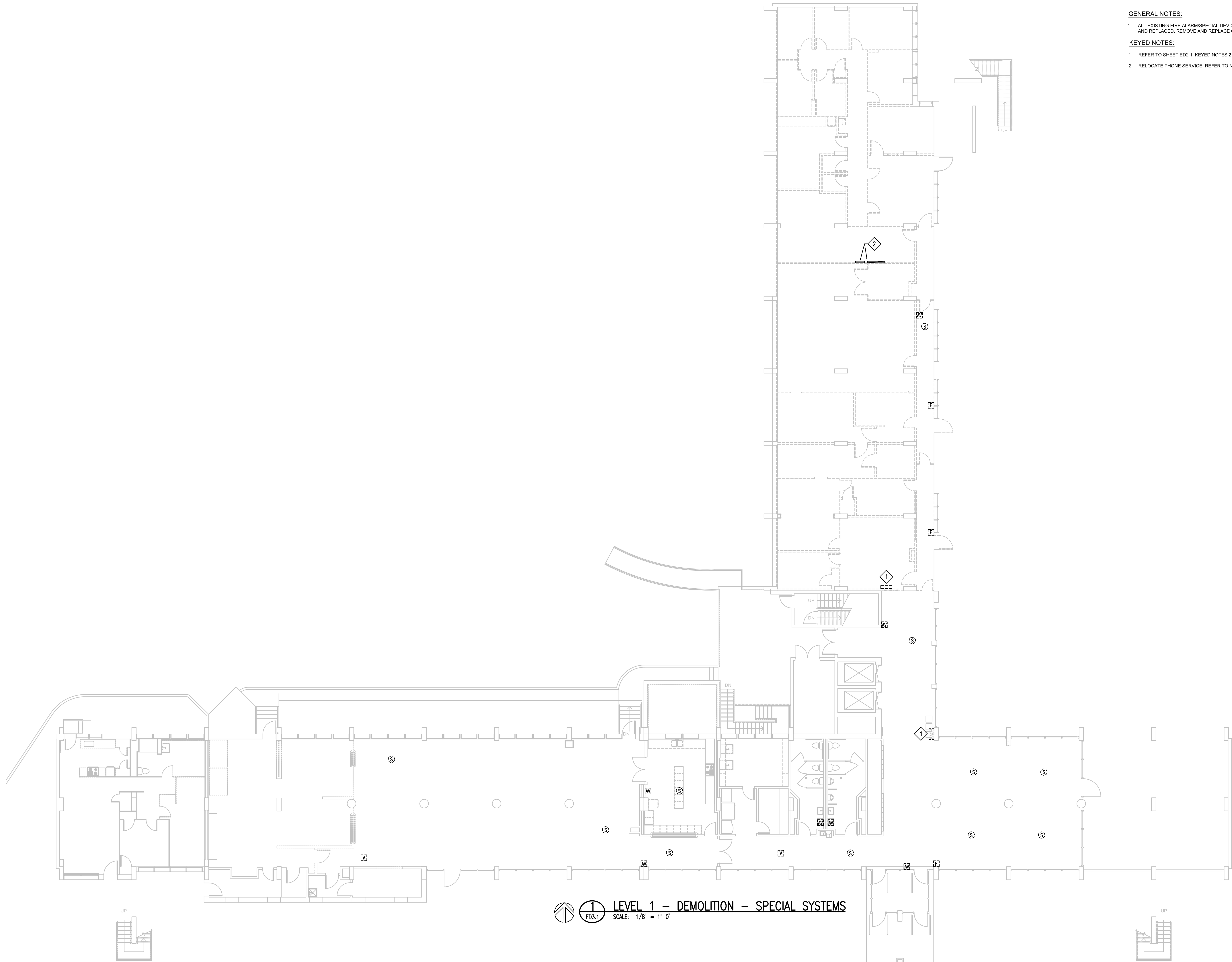


KEYED NOTES:

1. REMOVE ALL EXISTING FIRE ALARM/SPECIAL SYSTEMS DEVICES IN THIS AREA.

1 BASEMENT - DEMOLITION - SPECIAL SYSTEMS
ED3.0 SCALE: 1/8" = 1'-0"

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GENERAL NOTES:

1. ALL EXISTING FIRE ALARM/SPECIAL DEVICES SHALL BE REMOVED AND REPLACED. REMOVE AND REPLACE CONDUCTORS.

KEYED NOTES:

1. REFER TO SHEET ED2.1, KEYED NOTES 2 & 3.
2. RELOCATE PHONE SERVICE. REFER TO NEW WORK SHEET E3.1

1
LEVEL 1 -- DEMOLITION -- SPECIAL SYSTEMS
 ED3.1 SCALE: 1/8" = 1'-0"

DURAND-HOLLIS RUPE ARCHITECTS, INC.
 14603 HUEBNER ROAD
 BUILDING 18
 SAN ANTONIO, TEXAS 78230
 TEL: 210 308-0080
 VOICEMAIL: 210 524-6572
 EMAIL: info@dhrarchitects.com
www.dhrarchitects.com

OWNER:
SAHA SAN ANTONIO HOUSING AUTHORITY
 818 SOUTH FLORES STREET
 SAN ANTONIO, TX 78204
 T. 210.477.4242

H2MG
 Creating Mechanical + Electrical + Plumbing Engineers
 8000 W-10 West, Suite 1002
 San Antonio, Texas 78230
 Office: 210.525.0220
 Fax: 210.525.9225
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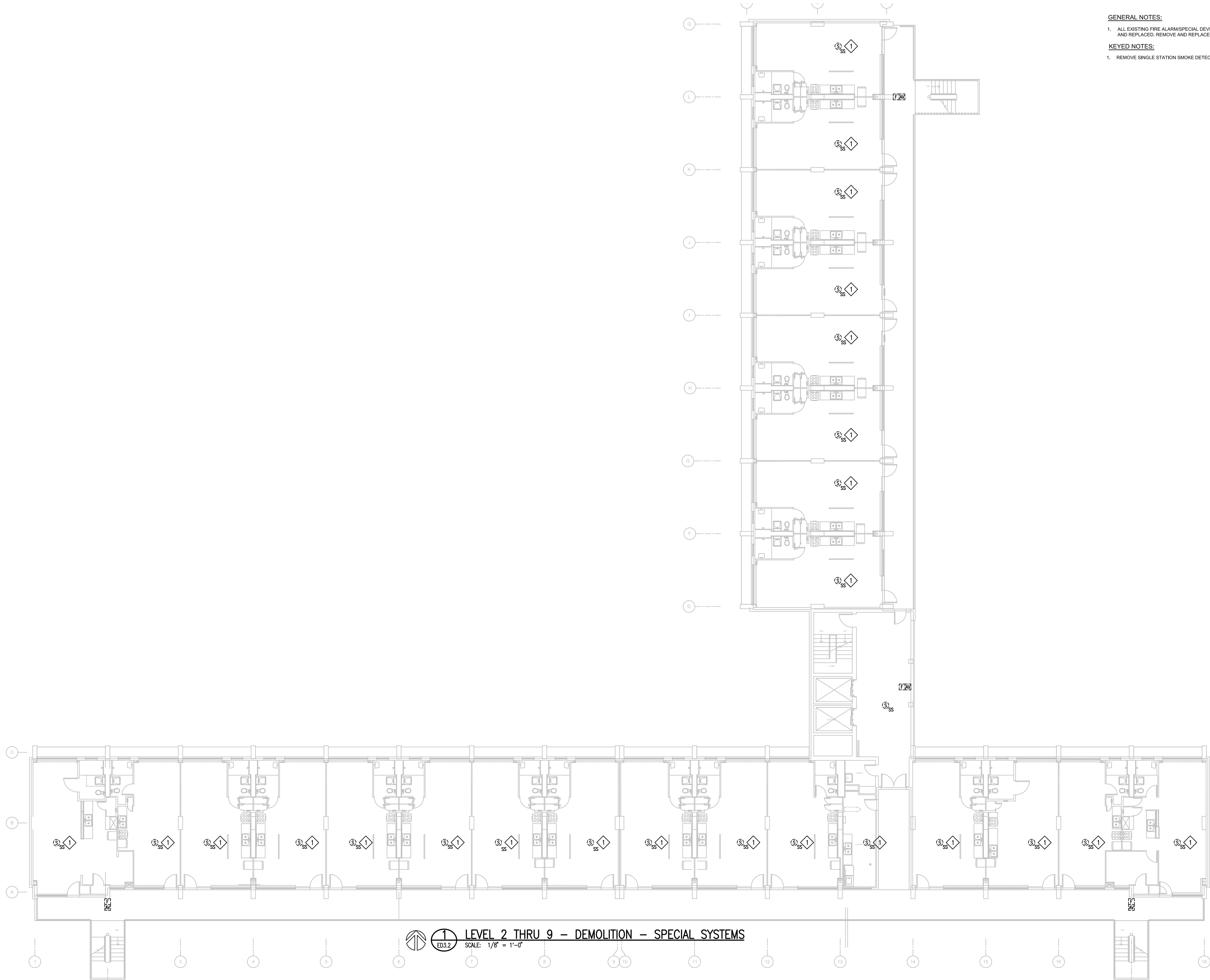
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PROJECT ARCHITECT
 GREGORY DURAND-HOLLIS, ARCHITECT
 14603 HUEBNER ROAD, SUITE 18
 SAN ANTONIO, TEXAS 78230
 05.25.2018

LEVEL 1 - DEMOLITION - SPECIAL SYSTEMS

SHEET NUMBER
ED3.1

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- GENERAL NOTES:**
1. ALL EXISTING FIRE ALARM/SPECIAL DEVICES SHALL BE REMOVED AND REPLACED. REMOVE AND REPLACE CONDUCTORS.
- KEYED NOTES:**
1. REMOVE SINGLE STATION SMOKE DETECTORS.

1 LEVEL 2 THRU 9 - DEMOLITION - SPECIAL SYSTEMS
 ED3.2 SCALE: 1/8" = 1'-0"

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 ARCHITECTS, INC.
 14603 HUEBNER ROAD
 BUILDING 18
 SAN ANTONIO, TEXAS
 78230
 TEL: 210 308-0080
 VOICEMAILS 210 524-6572
 EMAIL: info@dhrarchitects.com
www.dhrarchitects.com

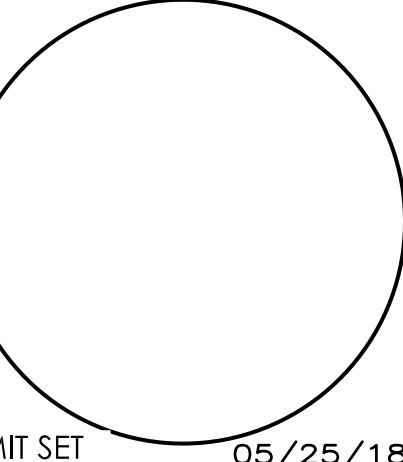
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 SAN ANTONIO, TX 78204
 T. 210.477.4242

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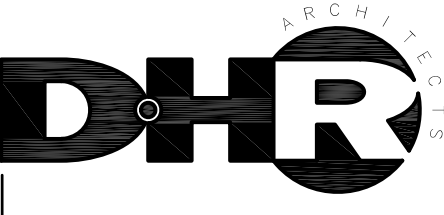


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PROJECT ARCHITECT
 GREGORY DURAND-HOLLIS, ARCHITECT
 14603 HUEBNER ROAD, BUILDING 18
 SAN ANTONIO, TEXAS 78230

LEVEL 2 THRU 9 -
 DEMOLITION - SPECIAL
 SYSTEMS

SHEET NUMBER
ED3.2



DURAND-HOLLIS RUPE
ARCHITECTS, INC.
14603 HUEBNER ROAD
BUILDING 18
SAN ANTONIO, TEXAS
78230
TEL: 210 308-0080
FAX: 210 524-6572
EMAIL: info@dhrarchitects.com
www.dhrarchitects.com

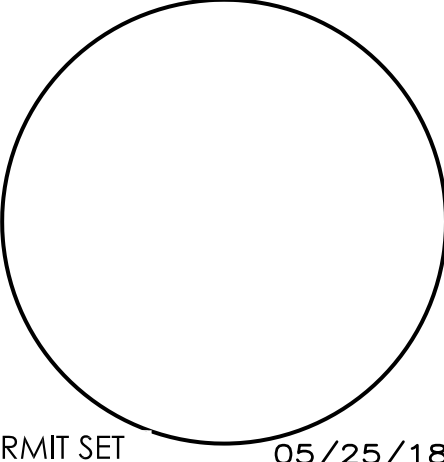
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SAN ANTONIO, TX 78204
T. 210.477.4242

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Creating Mechanical • Electrical • Plumbing Engineers
8000 W-70 West, Suite 1000
San Antonio, Texas 78230
Office: 210.525.0220
Fax: 210.525.0225
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PROJECT ARCHITECT
DHR ARCHITECTS, INC.

ROOF LEVEL -
DEMOLITION - SPECIAL
SYSTEMS

SHEET NUMBER
ED3.3

GENERAL NOTES:
1. ALL EXISTING FIRE ALARM/SPECIAL DEVICES SHALL BE REMOVED AND REPLACED. REMOVE AND REPLACE CONDUCTORS.



 **1** ROOF LEVEL - DEMOLITION - SPECIAL SYSTEMS
ED3.3 SCALE: 1/8" = 1'-0"

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PROJECT ARCHITECT
GREGG DURAND-HOLLIS, INC.
14603 HUEBNER RD
SAN ANTONIO, TX 78230

EXISTING ELECTRICAL RISER DIAGRAM, DISTRIBUTION & CIRCUIT PANELS - DEMOLITION

SHEET NUMBER
ED6.1

MAIN DISTRIBUTION PANEL, FEEDERS, & FEEDER CONNECTIONS

CIRCUIT NO.	LOAD ITEM	Ø	VOLTS	MAX. AMPS PER LEG	FUSE SIZE	BRK. SIZE	STARTER	P.B.	PILOT LIGHT	FEEDER NO.	FEEDER	FEEDER	CONDUIT	REMOTE	REMARKS
											SIZE	SIZE	SIZE	SWITCH	
P-1	CIRCUIT P-1 CLINIC AREA	3	120/208	130	175	175	NO	NO	NO	A-1	4-1/2" RH	2-1/2"	IN REC. PAN.	NO	
P-2	" P-2 OFF. USE & STOR.	3	120/208	107	150	150	NO	NO	NO	A-2	4-2" RH	2"	IN REC. PAN.	NO	
P-3	" P-3 ELEVATOR PWT, FILL.	3	120/208	107	150	150	NO	NO	NO	A-3	4-1/2" RH	2"	IN REC. PAN.	NO	
P-4	" P-4 REC. KITCHEN FRIGES	3	120/208	143	200	200	NO	NO	NO	A-4	4-1/2" RH	2"	IN REC. PAN.	NO	
P-5	" P-5 MAINT. STORAGE	3	120/208	107	175	175	NO	NO	NO	A-5	4-1/2" RH	2"	IN REC. PAN.	NO	
P-6	" P-6 GUEST/STATION APT.	1	120/208	96	150	150	NO	NO	NO	A-6	3-1/2" RH	2-1/2"	IN REC. PAN.	NO	
P-7	" P-7 YARD LIGHTS	3	120/208	160	200	200	306A CONTACTOR	ON-OFF-AUTO	YES	A-7	4-3/8" RH	2-1/2"	IN REC. PAN.	NO	TIME CONTROL CONTACTOR MOVE PANEL
P-8	" P-8 LAUNDRIES (2-4)	1	120/208	108	175	175	NO	NO	NO	A-8	3-1/2" RH	2-1/2"	IN REC. PAN.	NO	SINGLE FEEDER TO 3 PANELS
P-9	" P-9 LAUNDRIES (5-7)	1	120/208	108	175	175	NO	NO	NO	A-9	3-1/2" RH	2-1/2"	IN REC. PAN.	NO	SINGLE FEEDER TO 3 PANELS
P-10	" P-10 LAUNDRIES (8-9)	1	120/208	108	175	175	NO	NO	NO	A-10	3-1/2" RH	2-1/2"	IN REC. PAN.	NO	SINGLE FEEDER TO 3 PANELS
P-11	" P-11 GALLERIES (2-4)	1	120/208	58	50	50	EA. WITH 100 AMPERS	ON-OFF-AUTO	YES	A-11	3-1/2" RH	1"	IN REC. PAN.	NO	SINGLE FEEDER TO 3 PANELS
P-12	" P-12 GALLERIES (5-7)	1	120/208	58	50	50	EA. WITH 100 AMPERS	ON-OFF-AUTO	YES	A-12	3-1/2" RH	1"	IN REC. PAN.	NO	SINGLE FEEDER TO 3 PANELS
P-13	" P-13 GALLERIES (8-9)	1	120/208	58	50	50	EA. WITH 100 AMPERS	ON-OFF-AUTO	YES	A-13	3-1/2" RH	1"	IN REC. PAN.	NO	SINGLE FEEDER TO 3 PANELS
P-14	" P-14 BAS. BOILER RM.	1	120/208	45	60	60	NO	NO	NO	A-14	4-1/2" RH	1-1/4"	NO	NO	BAS. LIGHTING 1 CONV. OUTLETS
P-15	CONDENSATE PUMP - 2 3/4" HP	3	208	6	30	30	NO	NO	NO	A-15	3-1/2" RH	1/2"	2-30AT PMP	NO	DUPLX PMP WITH ALTERNATOR
P-16	UNDER FLR. PUMP - 2 3/4" HP	3	208	13	30	30	NO	NO	NO	A-16	3-1/2" RH	3/4"	2-30AT PMP	NO	DUPLX PMP WITH ALTERNATOR
P-17	BACK VENT FAN #1 - 1 1/2" HP	1	120	7.2	30	30	SIZE 1	ON-OFF-AUTO	YES	A-17	2-1/2" RH	1/2"	1-30AT FAN	NO	OPERATION BY INDIVIDUAL THERMOSTAT
P-18	BAS. VENT FAN #2 - 1 1/2" HP	1	120	7.2	30	30	SIZE 1	ON-OFF-AUTO	YES	A-18	2-1/2" RH	1/2"	1-30AT FAN	NO	OPERATION BY INDIVIDUAL THERMOSTAT
P-19	SEWAGE PUMP - 2 1/2" HP	3	208	10	30	30	NO	NO	NO	A-19	3-1/2" RH	3/4"	2-30AT PMP	NO	DUPLX PMP WITH ALTERNATOR
P-20	ASH LIFT - 5 HP	3	208	10	60	60	NO	NO	NO	A-20	3-1/2" RH	3/4"	2-30AT PMP	NO	STARTER WITH UNIT

NOTES: BALANCE PHASE LOADS TO ABOVE LEADS WITHIN EACH SECTION - PILOT LIGHTS, GREEN OFF; AMBER HAND WHERE HAND-OFF-AUTO; # ALL ON REE - SEE SPECS. FOR LABELS ON PANEL

CIRCUIT PANEL SCHEDULE

PANEL NO.	FEEDER NO.	PHASE	MAIN BRK. AMP.	TWO POLE BRKS. TO 150 AMP.	TWO POLE BRKS. TO 120 AMP.	TWO POLE BRKS. TO 100 AMP.	SINGLE POLE BRKS. TO 150 AMP.	SINGLE POLE BRKS. TO 120 AMP.	SINGLE POLE BRKS. TO 100 AMP.	CABINET	DOOR	LOCK	FEEDER	REMARKS
P-1	A-1	3	150	1	1	1	20	20	20	F	YES	YES	2/0	
P-2	A-2	3	150	1	1	1	20	20	20	F	YES	YES	2/0	
P-3	A-3	3	150	1	1	1	20	20	20	F	YES	YES	2/0	
P-4	A-4	3	200	2	2	2	22	22	22	F	YES	YES	4/0	
P-5	A-5	3	150	1	1	1	20	20	20	F	YES	YES	2/0	
P-6	A-6	3	125	1	1	1	20	20	20	F	NO	NO	2/0	
P-7	A-7	3	200	2	2	2	26	26	26	F	YES	YES	3/0	
P-8	A-8	1	60	1	1	1	6	6	6	F	NO	NO	ND.G.	
P-9	A-9	1	60	1	1	1	6	6	6	F	NO	NO	ND.G.	
P-10	A-10	1	60	1	1	1	6	6	6	F	NO	NO	ND.G.	
P-11	A-11	1	60	1	1	1	6	6	6	F	NO	NO	ND.G.	
P-12	A-12	1	60	1	1	1	6	6	6	F	NO	NO	ND.G.	
P-13	A-13	1	60	1	1	1	6	6	6	F	NO	NO	ND.G.	
P-14	A-14	1	60	1	1	1	6	6	6	F	NO	NO	ND.G.	
P-15	A-15	1	60	1	1	1	6	6	6	F	NO	NO	ND.G.	
P-16	A-16	1	60	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-17	A-17	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-18	A-18	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-19	A-19	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-20	A-20	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-21	A-21	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-22	A-22	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-23	A-23	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-24	A-24	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-25	A-25	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-26	A-26	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-27	A-27	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-28	A-28	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-29	A-29	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-30	A-30	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-31	A-31	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-32	A-32	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-33	A-33	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-34	A-34	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-35	A-35	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-36	A-36	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-37	A-37	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-38	A-38	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-39	A-39	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-40	A-40	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-41	A-41	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-42	A-42	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-43	A-43	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-44	A-44	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-45	A-45	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-46	A-46	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-47	A-47	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-48	A-48	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-49	A-49	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-50	A-50	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-51	A-51	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-52	A-52	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-53	A-53	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-54	A-54	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-55	A-55	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-56	A-56	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-57	A-57	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-58	A-58	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-59	A-59	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-60	A-60	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-61	A-61	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-62	A-62	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-63	A-63	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-64	A-64	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-65	A-65	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-66	A-66	1	50	1	1	1	2	2	2	F	NO	NO	ND.G.	
P-67	A-67	1	50	1	1	1	2	2	2	F	NO			