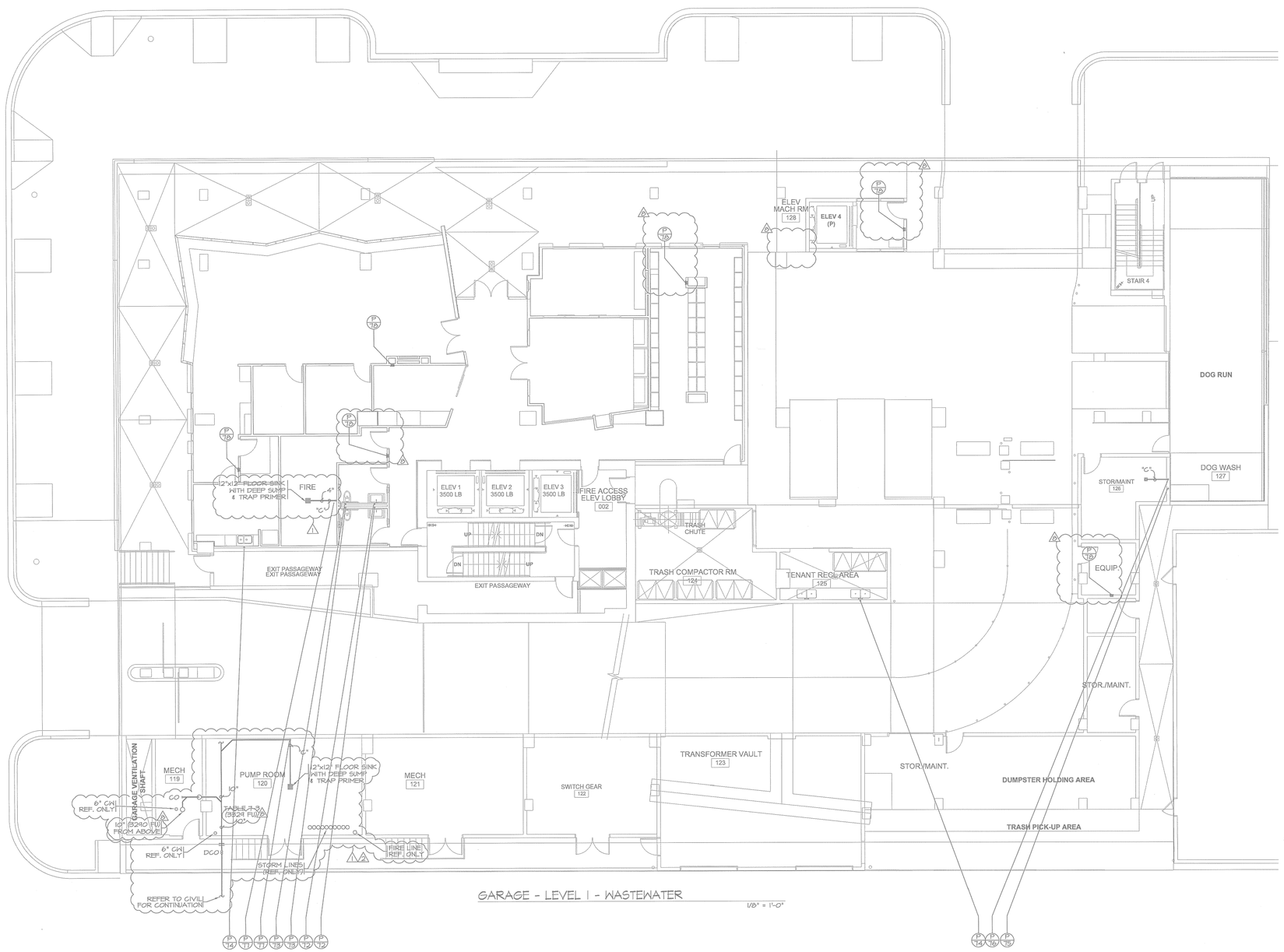
TYPOLOGY 11

Apartment/High-Rise

Graywater System



GARAGE - LEVEL 1 - WASTEWATER

1/8" = 1'-0"

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN HALL WITH A HINGED NON-LATCHING ACCESS PANEL.
2. ALL VERTICAL AND HORIZONTAL SANITARY WASTE PIPING ABOVE FLOOR TO BE INSULATED - 1 1/2" INSULATION WITH VAPOR BARRIER.
3. SANITARY SEWER, FIRE PROTECTION LINE & DOMESTIC WATER SERVICE VARY AT EACH BLDG. CONTR. TO VERIFY EXACT SERVICE POINTS WITH CIVIL DRAWINGS & SITE UTILITY PLAN PRIOR TO INSTALLATION OF LINES.

NOTES

- (A) UP IN WALL TO ABOVE CLG.
- (B) PIPING @ CEILING AS HIGH AS POSSIBLE
- (C) PIPING BELOW FLOOR.

1. - UPDATED BACKGROUND
   - ADJUSTED PLUMBING
   - CORRECTED NORTH ARROW
   - CALLED OUT 12"x12" FLOOR SINK WITH DEEP SUMP & TRAP PRIMER.
2. - UPDATED BACKGROUND
   - ADJUSTED PLUMBING
   - ADDED ADDITIONAL PLUMBING DROPS FOR REFERENCE ONLY.
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BUILDING LEVEL KEY

ROOF
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LEVEL 23 — LOFT UNITS (L1)
LEVEL 22
LEVEL 21
LEVEL 20
LEVEL 19
LEVEL 18
LEVEL 17
LEVEL 16
LEVEL 15
LEVEL 14
LEVEL 13
LEVEL 12 — TYPICAL UNITS
LEVEL 11
LEVEL 10
LEVEL 9
LEVEL 8 — CLUB/ TERRACE UNITS
LEVEL 7
LEVEL 6
LEVEL 5
LEVEL 4
LEVEL 3 — PARKING GARAGE
LEVEL 2
LEVEL 1
LEVEL B1

NORTH

RHODE PARTNERS
515 CONGRESS AVE
SUITE 1606
AUSTIN, TEXAS 78701
512.473.0923
512.473.9177

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7th & Rio Grande Apartments

615 West 7th Street
Austin, Texas 78701

PROJECT NUMBER - 111009

OWNER
BEHRINGER HARVARD
CWS CAPITAL PARTNERS LLC
9606 N. Mopac Expwy, Suite 600
Austin, Texas 78759
512.837.3028 p

GENERAL CONTRACTOR
J.E. DUNN CONSTRUCTION
901 S. Mopac Expressway
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Austin, TX 78746
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Addison, TX 75001
972.233.9100

LANDSCAPE ARCHITECT
D CRAIN
1621 Willow Street
Austin, TX 78702
512.480.8008 p

DAVID EDWARD NICHOLS 102295 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS

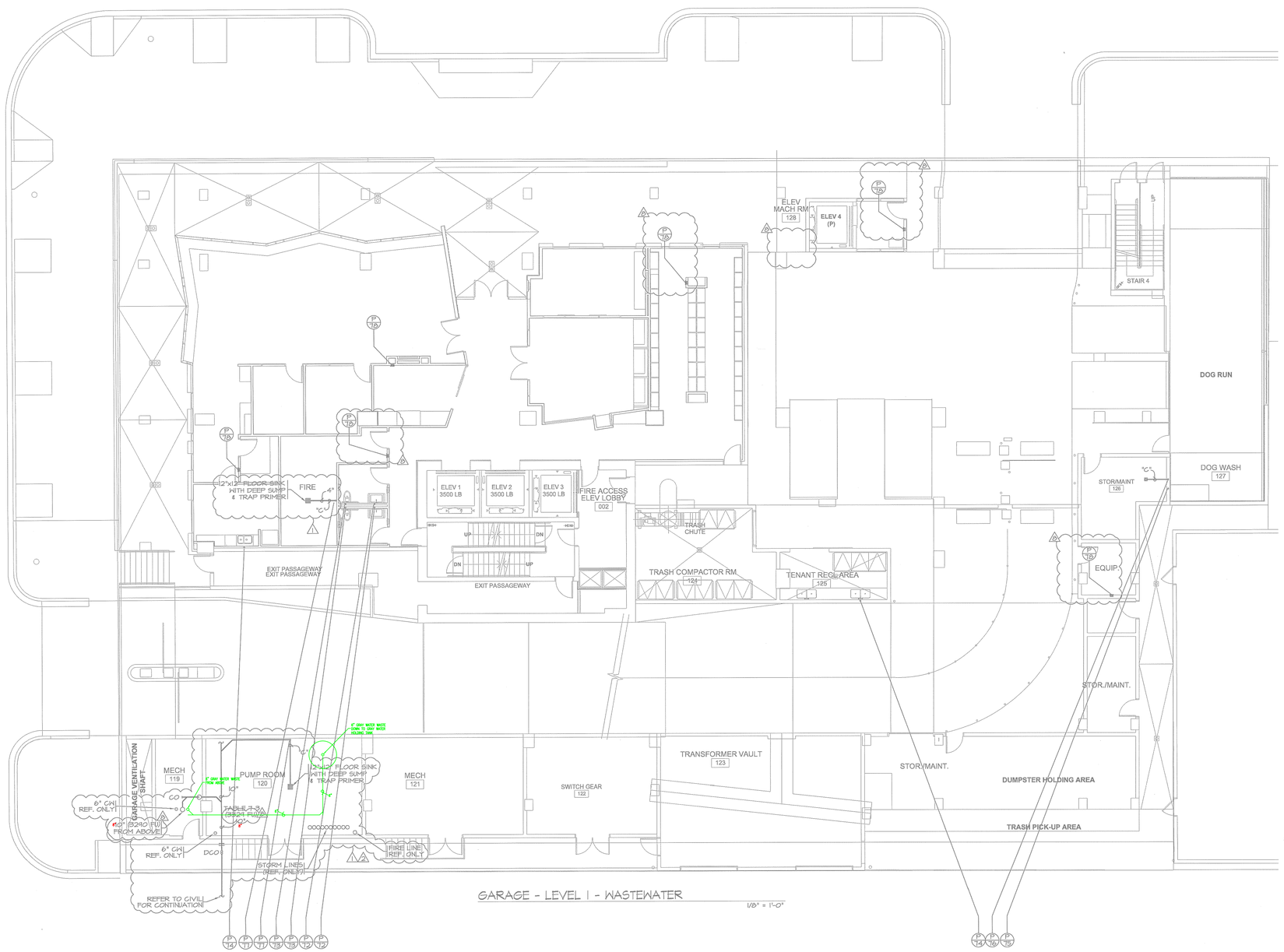
EN,INC. F-2473 06/12/13

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ISSUED FOR CONSTRUCTION	02/07/2013
REVISION #7	05/20/2013
REVISION #8	06/12/2013

GARAGE - LEVEL 1 WASTEWATER

PW2.1



GARAGE - LEVEL 1 - WASTEWATER

1/8" = 1'-0"

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW0.4OR AND PW5.0OR FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEMS).

PLUMBING LEGEND

GRAYWATER WASTE PIPING

2" PIPE SIZE REVISION

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN WALL WITH A HINGED NON-LATCHING ACCESS PANEL.
2. ALL VERTICAL AND HORIZONTAL SANITARY WASTE PIPING ABOVE FLOOR TO BE INSULATED - 1 1/2" INSULATION WITH VAPOR BARRIER.
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NOTES

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B. PIPING @ CEILING AS HIGH AS POSSIBLE

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LEVEL 1
LEVEL G1

NORTH

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SUITE 1908
AUSTIN, TEXAS 78701
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INTERIOR DESIGNER
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LANDSCAPE ARCHITECT
D CRAIN
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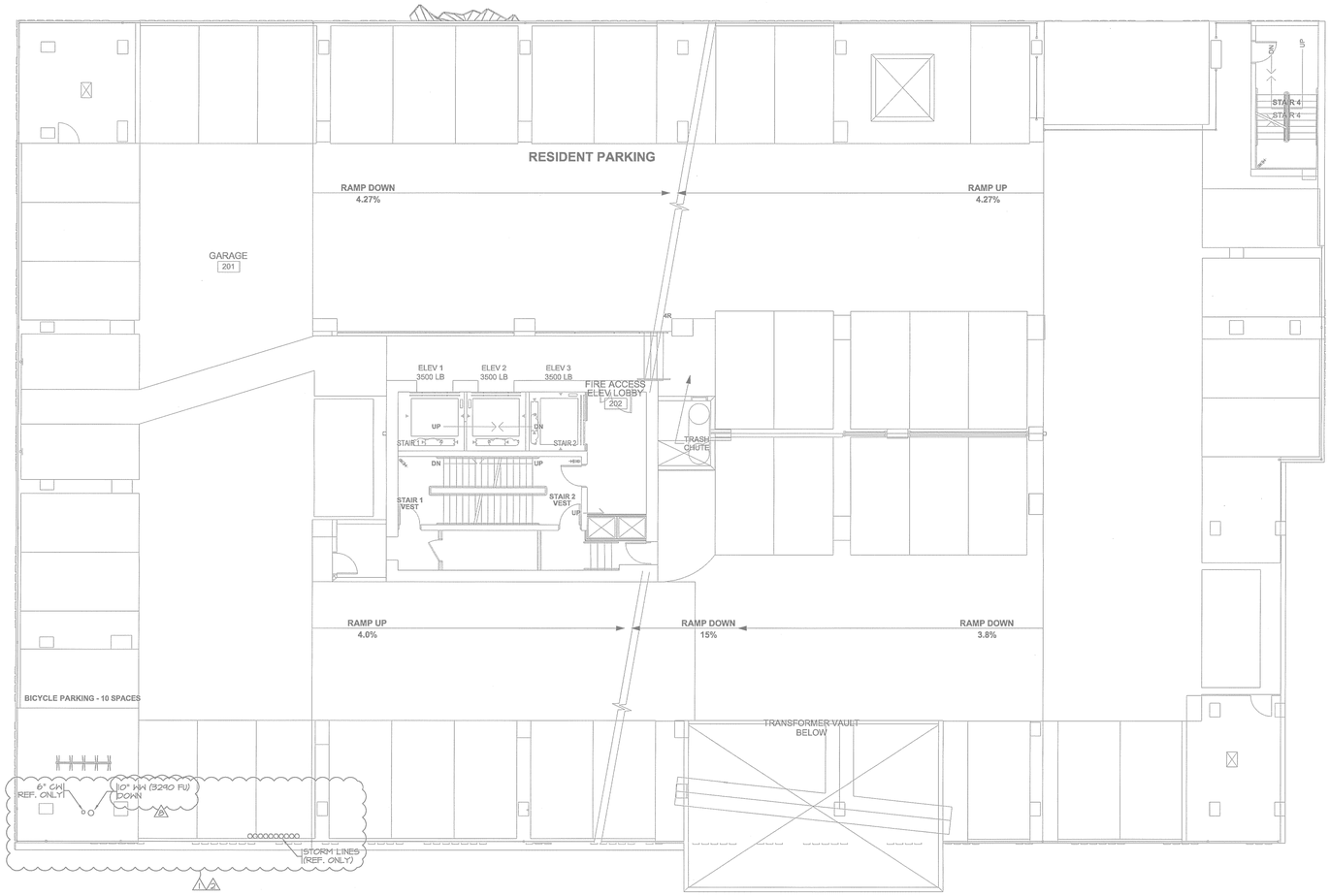
DAVID EDWARD NICHOLS 102295 LICENSED PROFESSIONAL ENGINEER
EN,INC. F-2473 06/12/13

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GARAGE - LEVEL 1 WASTEWATER

PW2.1



GARAGE - LEVEL 2 - WASTEWATER

1/8" = 1'-0"

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN WALL WITH A HINGED NON-LATCHING ACCESS PANEL.
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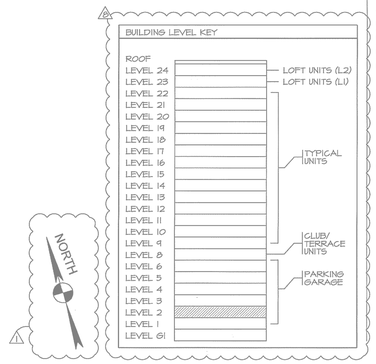
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- CORRECTED BUILDING KEY

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SUITE 1600
AUSTIN, TEXAS 78701
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512.473.0177

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Austin, Texas 78701

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512.837.3028 p

GENERAL CONTRACTOR
J.E. DUNN CONSTRUCTION
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Austin, TX 78702
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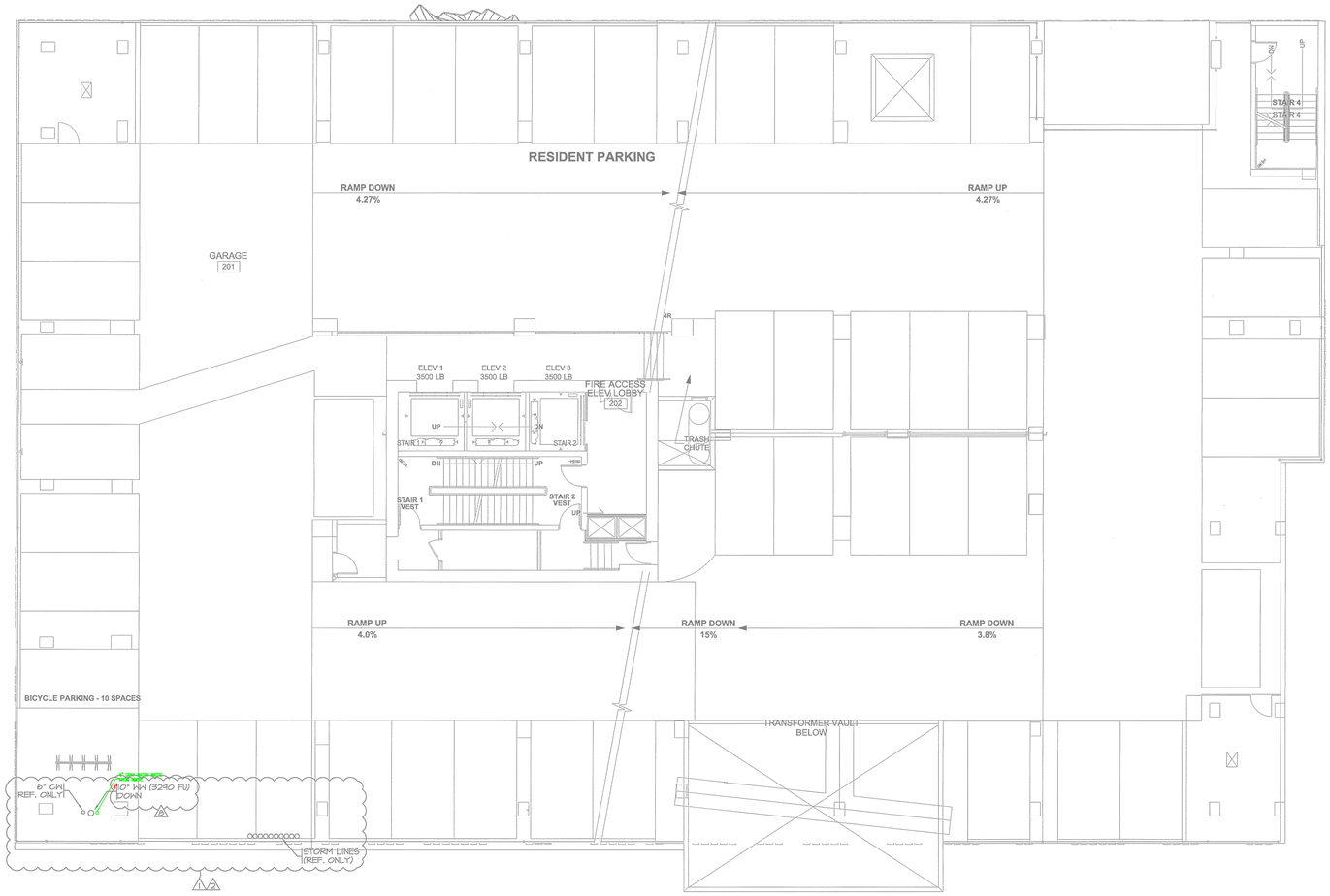
DAVID EDWARD NICHOLS
102295
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REVISION #7	05/20/2013
REVISION #8	06/12/2013

GARAGE - LEVEL 2 WASTEWATER

PW2.2



GARAGE - LEVEL 2 - WASTEWATER

1/8" = 1'-0"

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS P4.0 A/W AND P4.1 A/W FOR ADDITIONAL GRAY WATER WASTE PIPING SYSTEM INFO AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLUMBING LEGEND

GRAYWATER WASTE PIPING

2" PIPE SIZE REVISION

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN WALL WITH A HINGED NON-LATCHING ACCESS PANEL.
2. ALL VERTICAL AND HORIZONTAL SANITARY WASTE PIPING ABOVE FLOOR TO BE INSULATED - 1 1/2" INSULATION WITH VAPOR BARRIER.
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NOTES

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3 - ADJUSTED PLUMBING
- CORRECTED BUILDING KEY

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LEVEL 22
LEVEL 21
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LEVEL 18
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LEVEL 16
LEVEL 15
LEVEL 14
LEVEL 13
LEVEL 12
LEVEL 11
LEVEL 10
LEVEL 9
LEVEL 8
LEVEL 7
LEVEL 6
LEVEL 5
LEVEL 4
LEVEL 3
LEVEL 2
LEVEL 1
LEVEL B1

TYPICAL UNITS
CLUB/ TERRACE UNITS
PARKING GARAGE

NORTH

RHODE PARTNERS
515 CONGRESS AVE
SUITE 1600
AUSTIN, TEXAS 78701
512.473.0923
512.423.0177

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LANDSCAPE ARCHITECT
D CRAIN
1621 Willow Street
Austin, TX 78702
512.480.8008 p

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GARAGE - LEVEL 2 WASTEWATER

PW2.2

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN WALL WITH A HINGED NON-LATCHING ACCESS PANEL.
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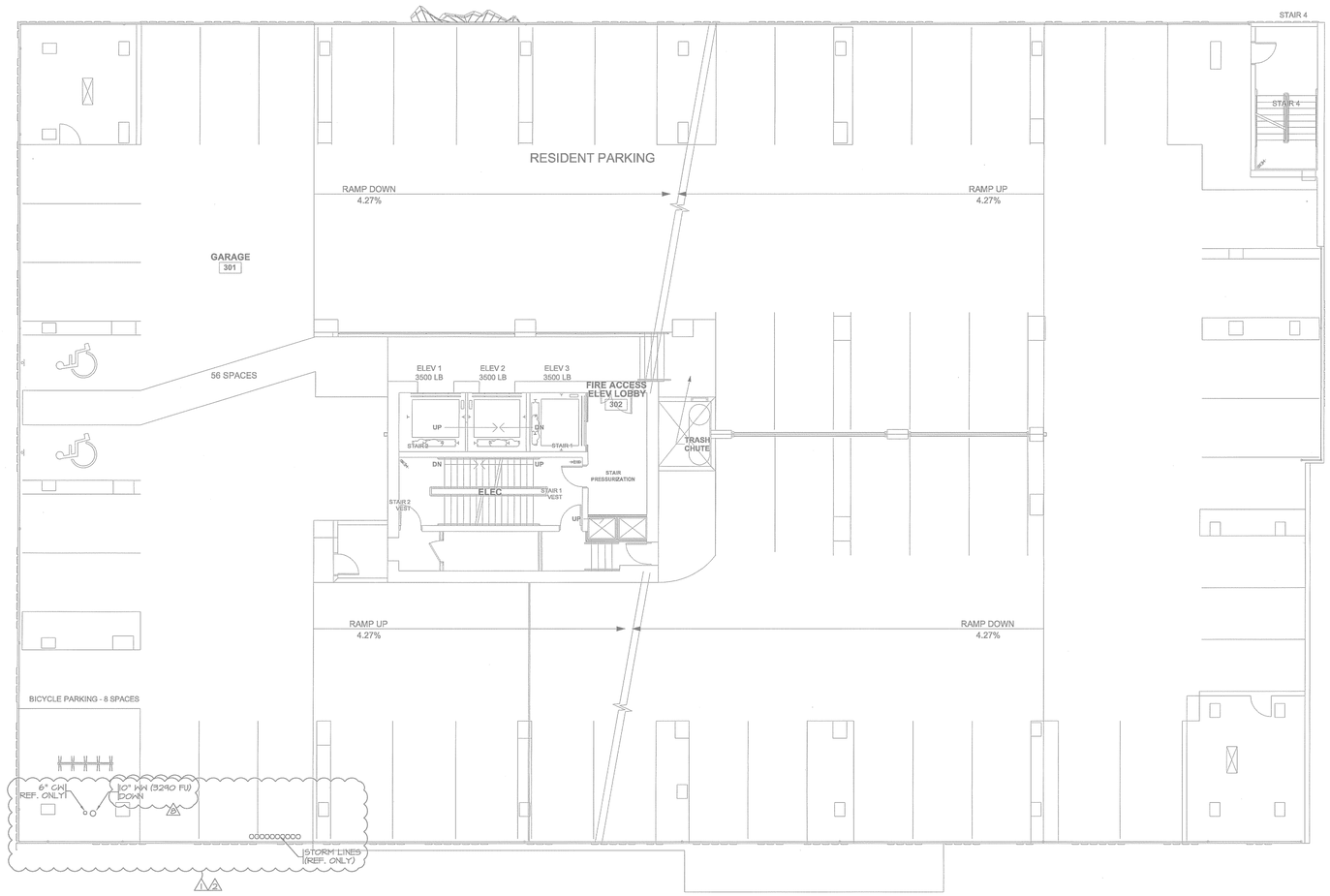
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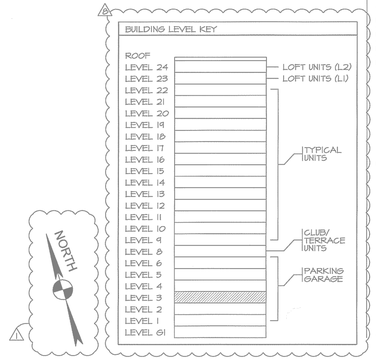
3 - ADJUSTED PLUMBING
- CORRECTED BUILDING KEY



GARAGE - LEVEL 3 - WASTEWATER

1/8" = 1'-0"

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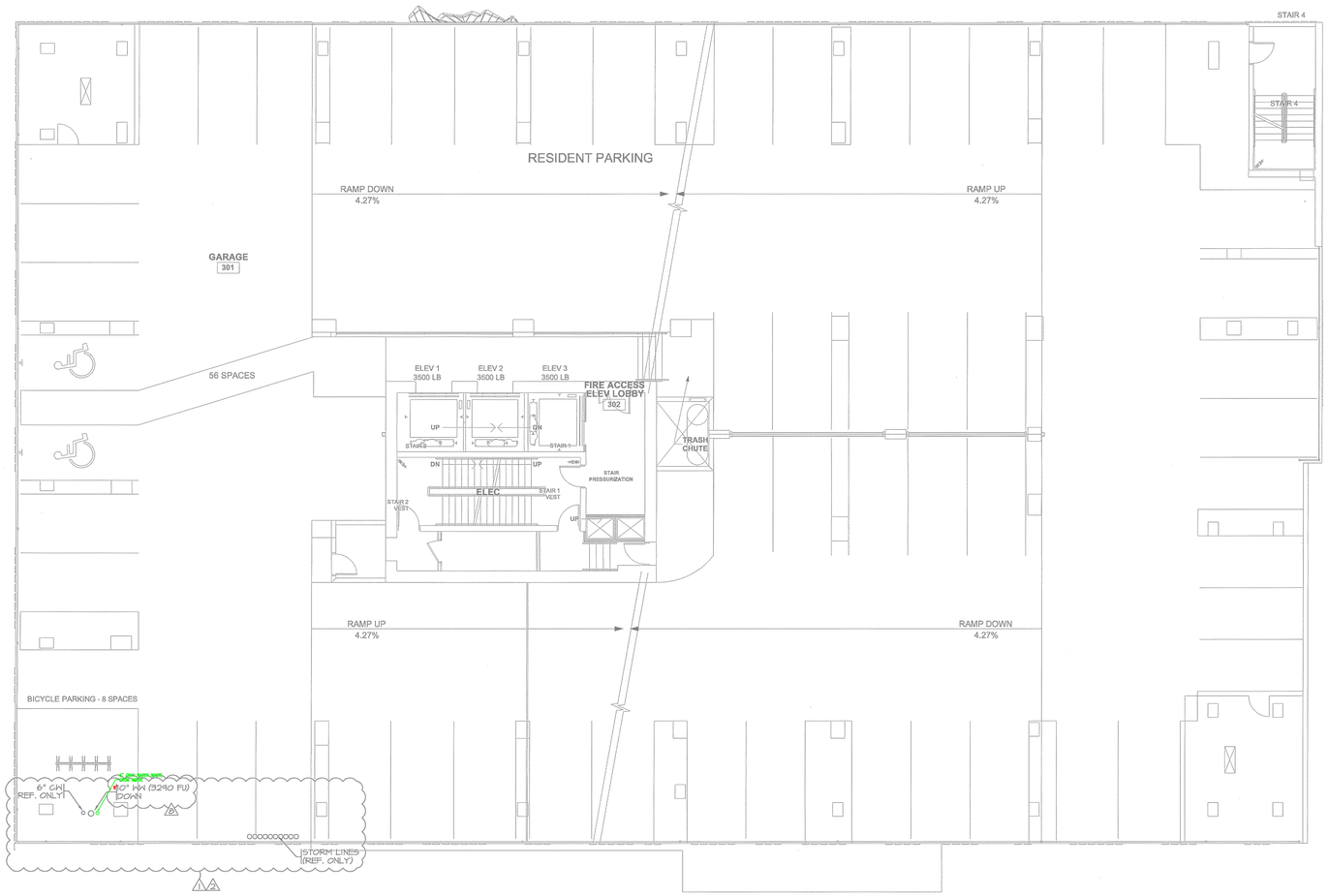
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DESCRIPTION	**DATE**

GARAGE - LEVEL 3 WASTEWATER

PW2.3



GARAGE - LEVEL 3 - WASTEWATER

1/8" = 1'-0"

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW0.40W AND PW0.50W FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLUMBING LEGEND

GRAYWATER WASTE PIPING

2" PIPE SIZE REVISION

PLBG NOTES

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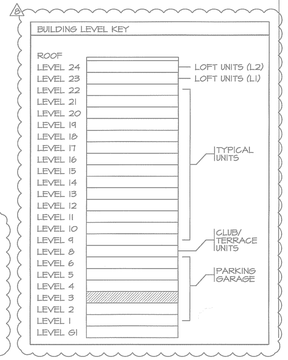
1. - UPDATED BACKGROUND
   - ADJUSTED PLUMBING
   - CORRECTED NORTH ARROW
2. - UPDATED BACKGROUND
   - ADJUSTED PLUMBING
   - ADDED ADDITIONAL PLUMBING DROPS FOR REFERENCE ONLY.
3. - ADJUSTED PLUMBING
   - CORRECTED BUILDING KEY

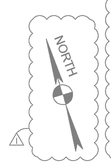
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REVIEWED LKW DATE 7-2-13

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BUILDING LEVEL KEY





515 CONGRESS AVE
SUITE 1600
AUSTIN, TEXAS 78701

512.473.0923
512.473.0177

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7th & Rio Grande Apartments

615 West 7th Street
Austin, Texas 78701

PROJECT NUMBER - 111009

OWNER
BEHRINGER HARVARD
CWS CAPITAL PARTNERS LLC
9606 N. Mopac Expwy, Suite 500
Austin, Texas 78759
512.837.3028 p

GENERAL CONTRACTOR
J.E. DUNN CONSTRUCTION
901 S. Mopac Expressway
Barton Oaks Plaza II , Ste. 375
Austin, TX 78746
512.687.6119

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ARCHITECTURAL ENGINEERS COLLABORATIVE
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512.472.2111 p

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512.918.9315 p

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Addison, TX 75001
972.233.9100

LANDSCAPE ARCHITECT
D CRAIN
1621 Willow Street
Austin, TX 78702
512.480.8008 p



EN,INC. F-2473 06/12/13

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100% SCHEMATIC DESIGN	02/06/2012
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ISSUED FOR CONSTRUCTION	02/07/2013
REVISION #7	05/20/2013
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GARAGE - LEVEL 3 WASTEWATER

PW2.3

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN WALL WITH A HINGED NON-LATCHING ACCESS PANEL.
2. ALL VERTICAL AND HORIZONTAL SANITARY WASTE PIPING ABOVE FLOOR TO BE INSULATED - 1 1/2" INSULATION WITH VAPOR BARRIER.
3. SANITARY SEWER, FIRE PROTECTION LINE & DOMESTIC WATER SERVICE VARY AT EACH BLDG. CONTR. TO VERIFY EXACT SERVICE POINTS WITH CIVIL DRAWINGS & SITE UTILITY PLAN PRIOR TO INSTALLATION OF LINES.

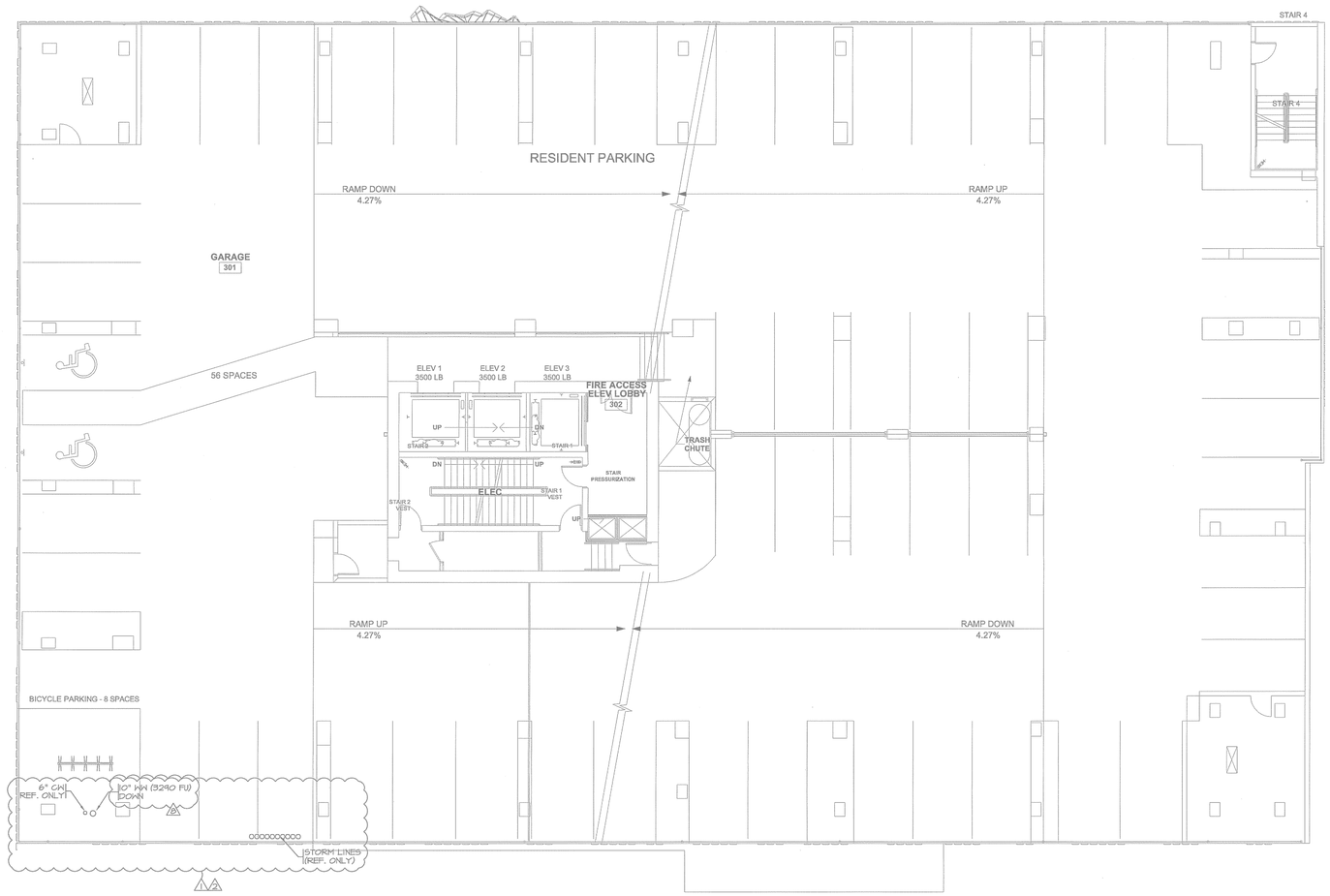
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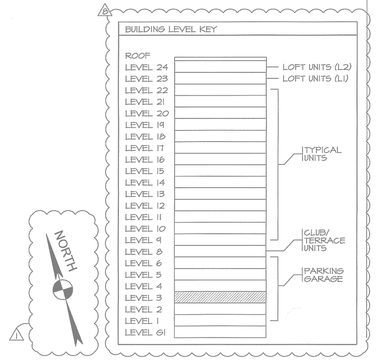
3 - ADJUSTED PLUMBING
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GARAGE - LEVEL 3 - WASTEWATER

1/8" = 1'-0"

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EN,INC. F-2473 06/12/13

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REVISION #8	06/12/2013
DESCRIPTION	**DATE**

GARAGE - LEVEL 3 WASTEWATER

PW2.3

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW5.4DW AND PW5.5DW FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLUMBING LEGEND

GRAYWATER WASTE PIPING

2" PIPE SIZE REVISION

PLBG NOTES

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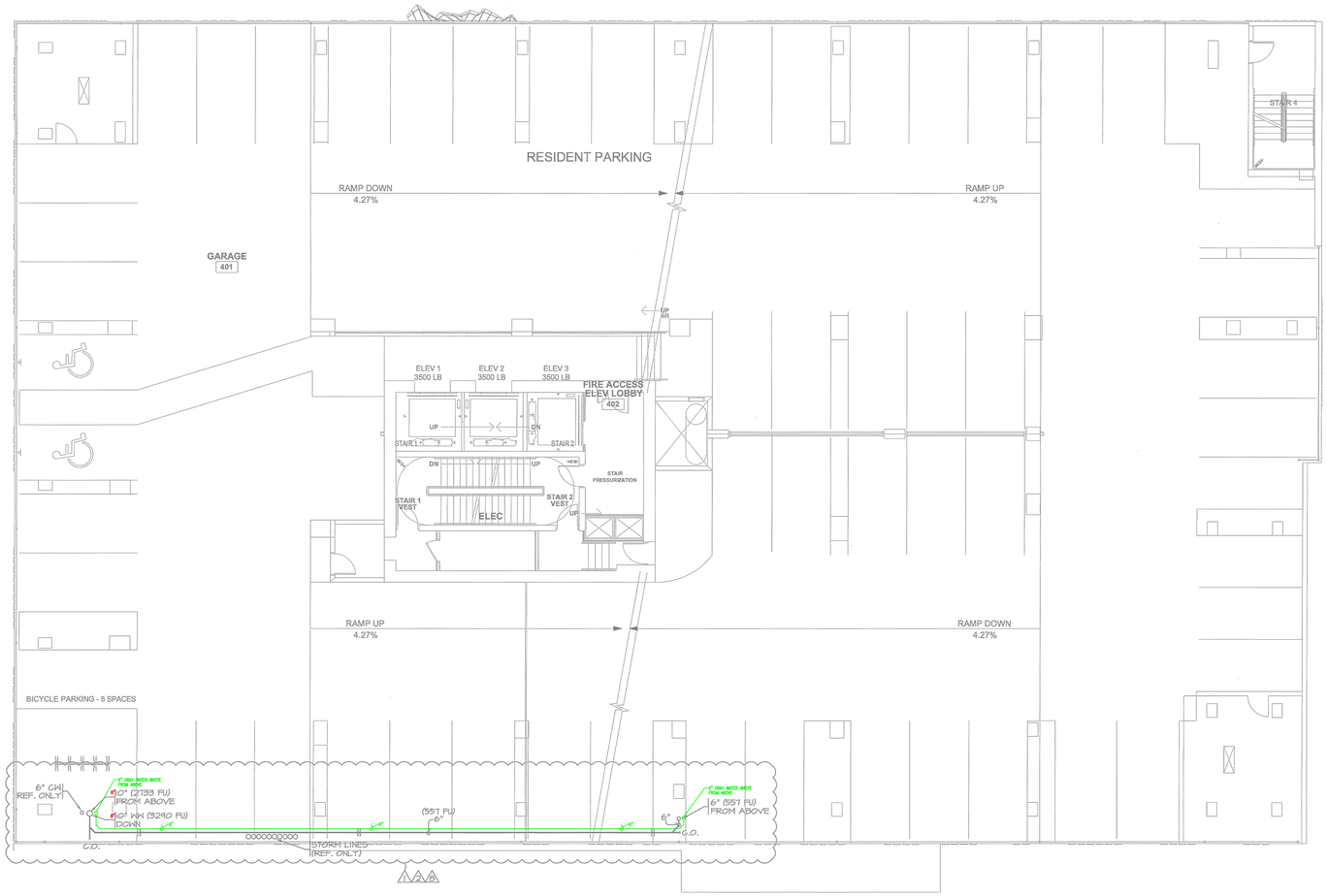
B. PIPING @ CEILING AS HIGH AS POSSIBLE

C. PIPING BELOW FLOOR.

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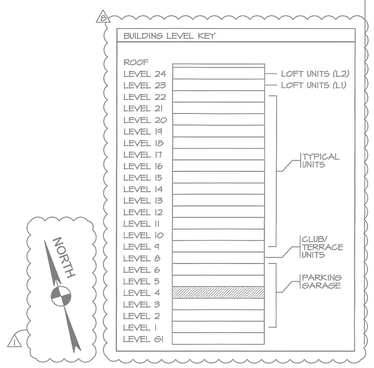
GARAGE - LEVEL 4 - WASTEWATER

1/8" = 1'-0"

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REVIEWED WSW DATE 2-2-13

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512.480.8008 p



EN,INC. F-2473 06/12/13

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GARAGE - LEVEL 4 WASTEWATER

PW2.4

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN HALL WITH A HINGED NON-LATCHING ACCESS PANEL.
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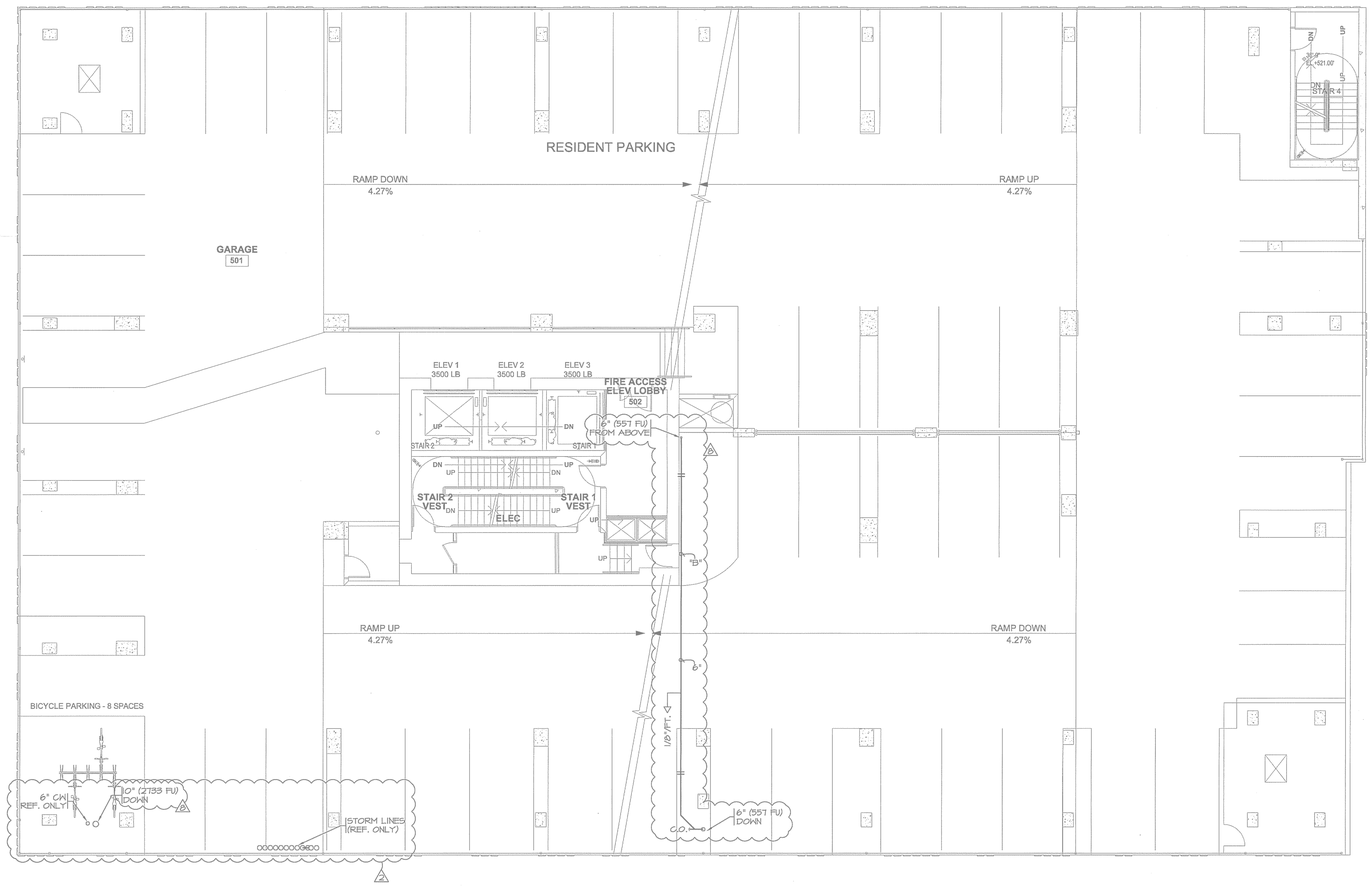
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- CORRECTED NORTH ARROW

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3 - ADJUSTED PLUMBING
- CORRECTED BUILDING KEY



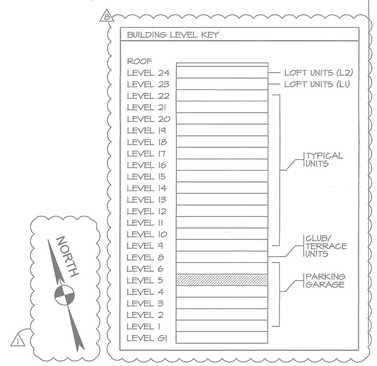
GARAGE - LEVEL 5 - WASTEWATER

1/8" = 1'-0"

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REVIEWED WSW DATE 7-2-

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INTERIOR DESIGNER
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972.233.9100

LANDSCAPE ARCHITECT
D CRAIN
1621 Willow Street
Austin, TX 78702
512.480.8008 p

DAVID EDWARD NICHOLS
102295
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS

EN,INC. F-2473 06/12/13

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GARAGE - LEVEL 5 WASTEWATER

PW2.5

GRAY WATER WASTE SYSTEM NOTES
REFER TO SHEETS PW5.4GW AND PW5.5GW FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLUMBING LEGEND	
	GRAYWATER WASTE PIPING
2"	PIPE SIZE REVISION

PLBG NOTES

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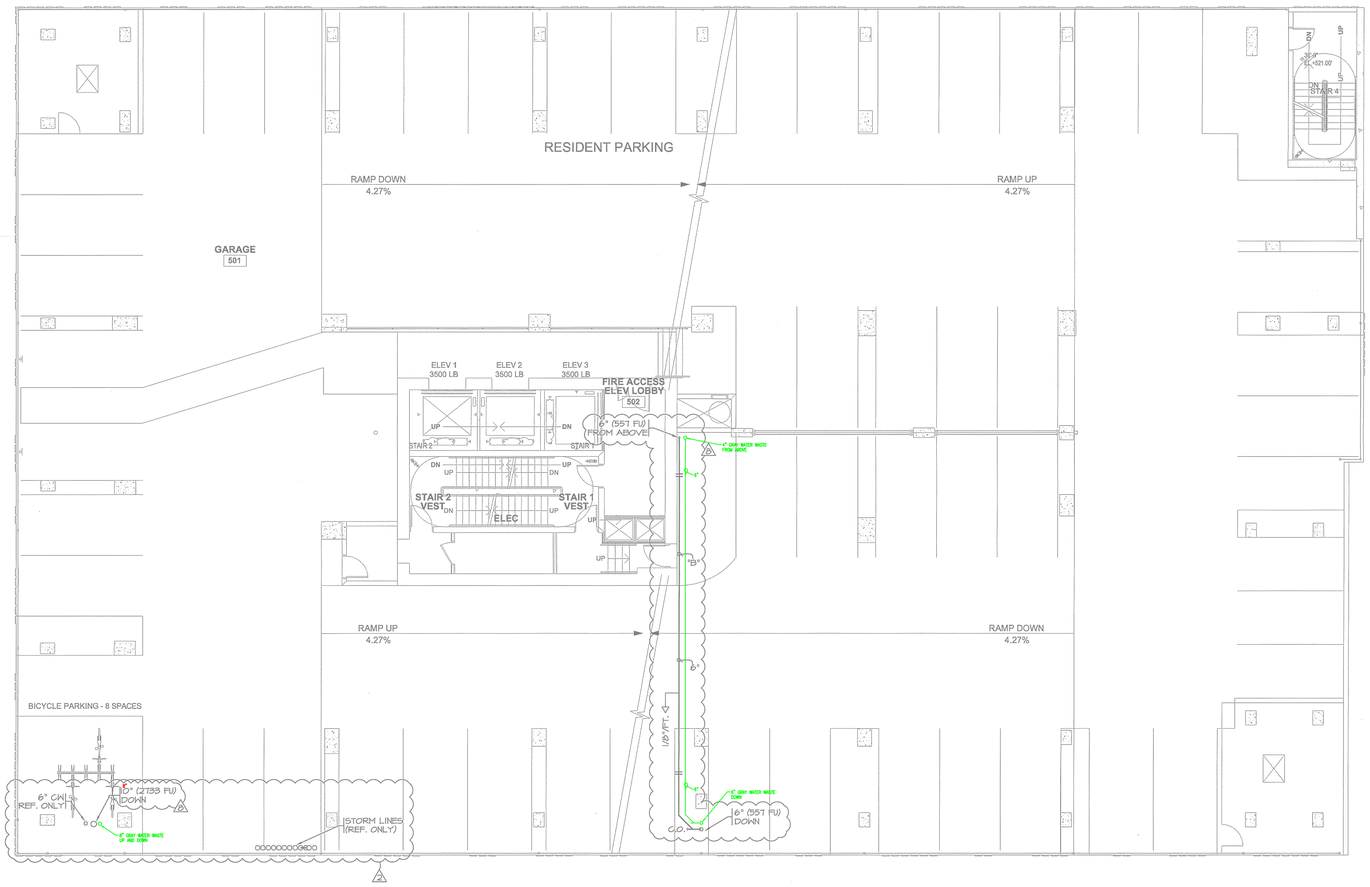
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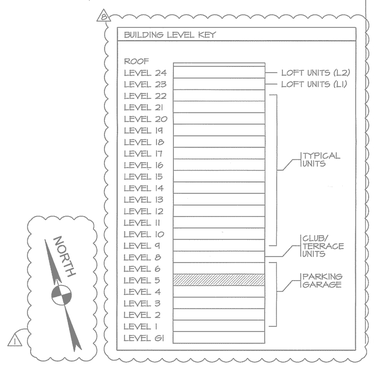
GARAGE - LEVEL 5 - WASTEWATER

1/8" = 1'-0"

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GARAGE - LEVEL 5 WASTEWATER

PW2.5

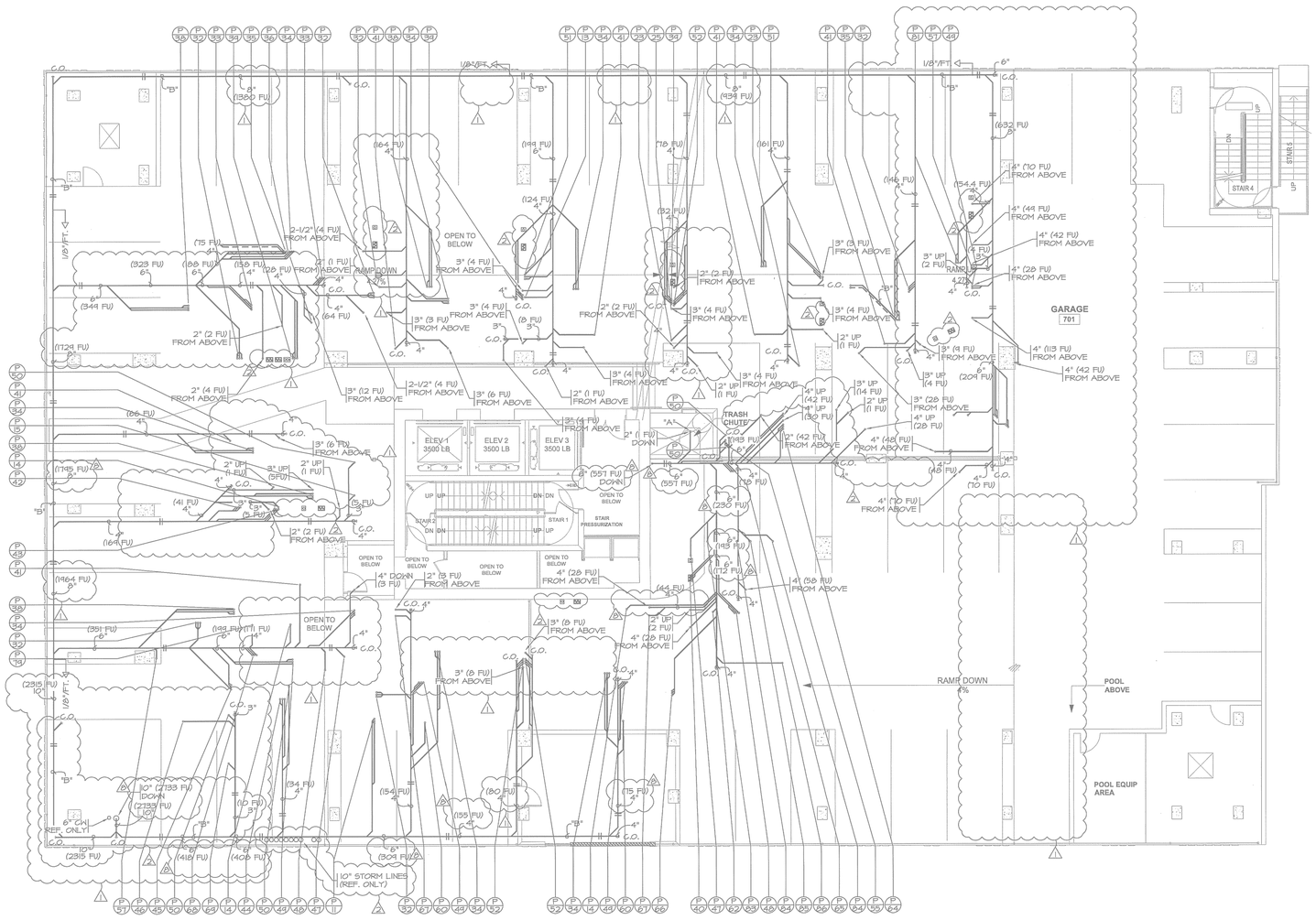
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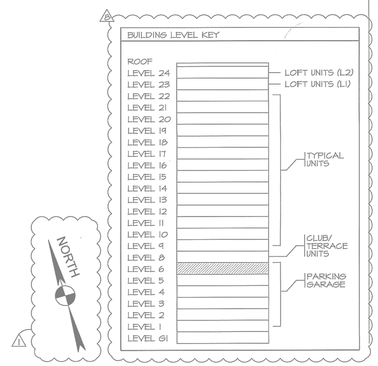
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1. - UPDATED BACKGROUND
   - ADJUSTED PLUMBING
   - CORRECTED NORTH ARROW
2. - UPDATED BACKGROUND
   - ADJUSTED PLUMBING
   - ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GM PLUMBING
   - ADDED ADDITIONAL PLUMBING DROPS FOR REFERENCE ONLY.
   - ADDED FLOOR SINK FOR POOL EQUIPMENT AREA.
3. - ADJUSTED PLUMBING
   - CORRECTED BUILDING KEY



GARAGE - LEVEL 6 - WASTEWATER

1/8" = 1'-0"



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LICENSED
PROFESSIONAL ENGINEER

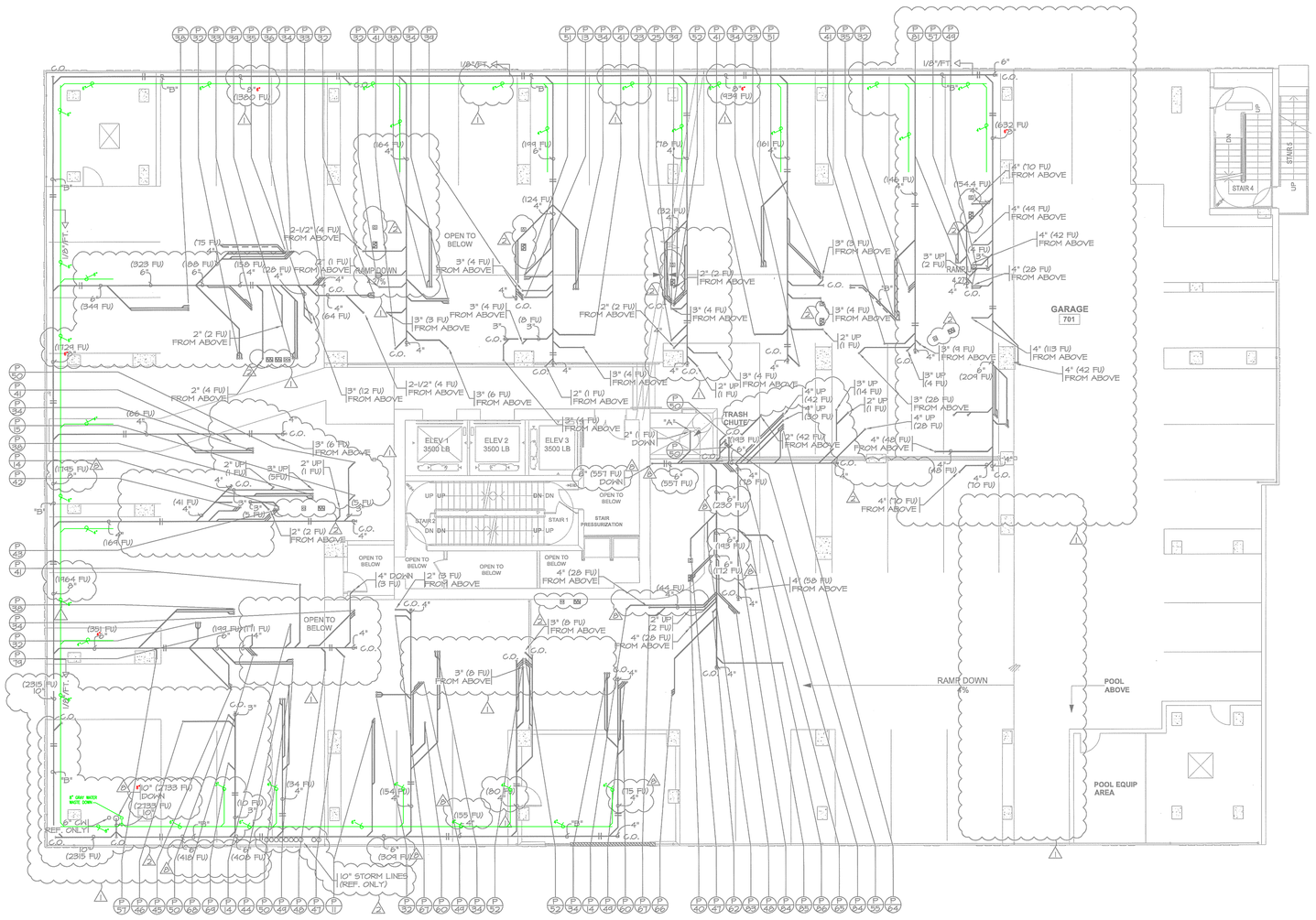
EN,INC. F-2473 06/12/13

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GARAGE - LEVEL 6 WASTEWATER

PW2.6



GARAGE - LEVEL 6 - WASTEWATER

1/8" = 1'-0"

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS P1.0-A10M AND P1.0-L10M FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLUMBING LEGEND

GRAYWATER WASTE PIPING

2" PIPE SIZE REVISION

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN HALL WITH A HINGED NON-LATCHING ACCESS PANEL.
2. ALL VERTICAL AND HORIZONTAL SANITARY WASTE PIPING ABOVE FLOOR TO BE INSULATED - 1 1/2" INSULATION WITH VAPOR BARRIER.
5. SANITARY SEWER, FIRE PROTECTION LINE & DOMESTIC WATER SERVICE VARY AT EACH BLDG. CONTR. TO VERIFY EXACT SERVICE POINTS WITH CIVIL DRAWINGS & SITE UTILITY PLAN PRIOR TO INSTALLATION OF LINES.

NOTES

A. UP IN HALL TO ABOVE CLG.

B. PIPING @ CEILING AS HIGH AS POSSIBLE

C. PIPING BELOW FLOOR

1 - UPDATED BACKGROUND
- ADJUSTED PLUMBING
- CORRECTED NORTH ARROW

2 - UPDATED BACKGROUND
- ADJUSTED PLUMBING
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GW PLUMBING
- ADDED ADDITIONAL PLUMBING DROPS FOR REFERENCE ONLY.
- ADDED FLOOR SINK FOR POOL EQUIPMENT AREA.

3 - ADJUSTED PLUMBING
- CORRECTED BUILDING KEY

515 CONGRESS AVE
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AUSTIN, TEXAS 78701

512.473.0923
512.473.9177

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7th & Rio Grande Apartments

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PROJECT NUMBER - 111009

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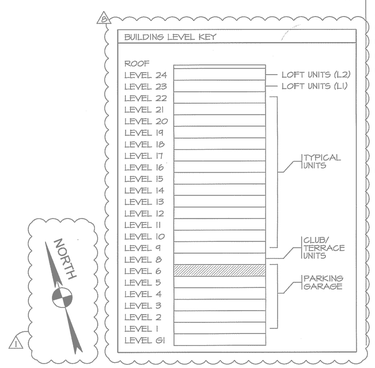
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GARAGE - LEVEL 6 WASTEWATER

PW2.6

PLBG NOTES

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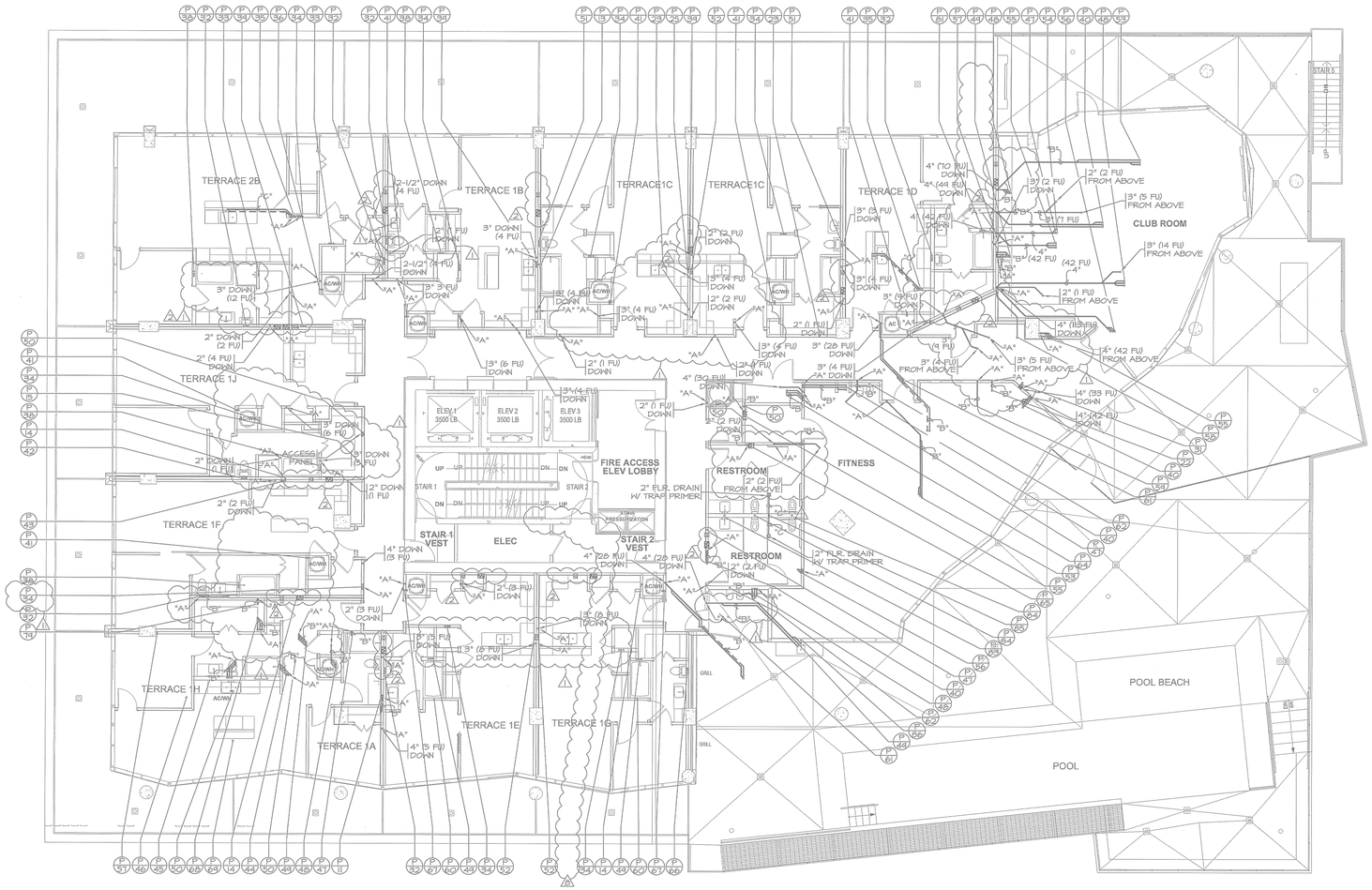
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- (C) PIPING BELOW FLOOR

1 - UPDATED BACKGROUND
- ADJUSTED PLUMBING
- CORRECTED NORTH ARROW

1 - UPDATED BACKGROUND
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GW PLUMBING

1 - CORRECTED BUILDING KEY



GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW5.40W AND PW5.50W FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

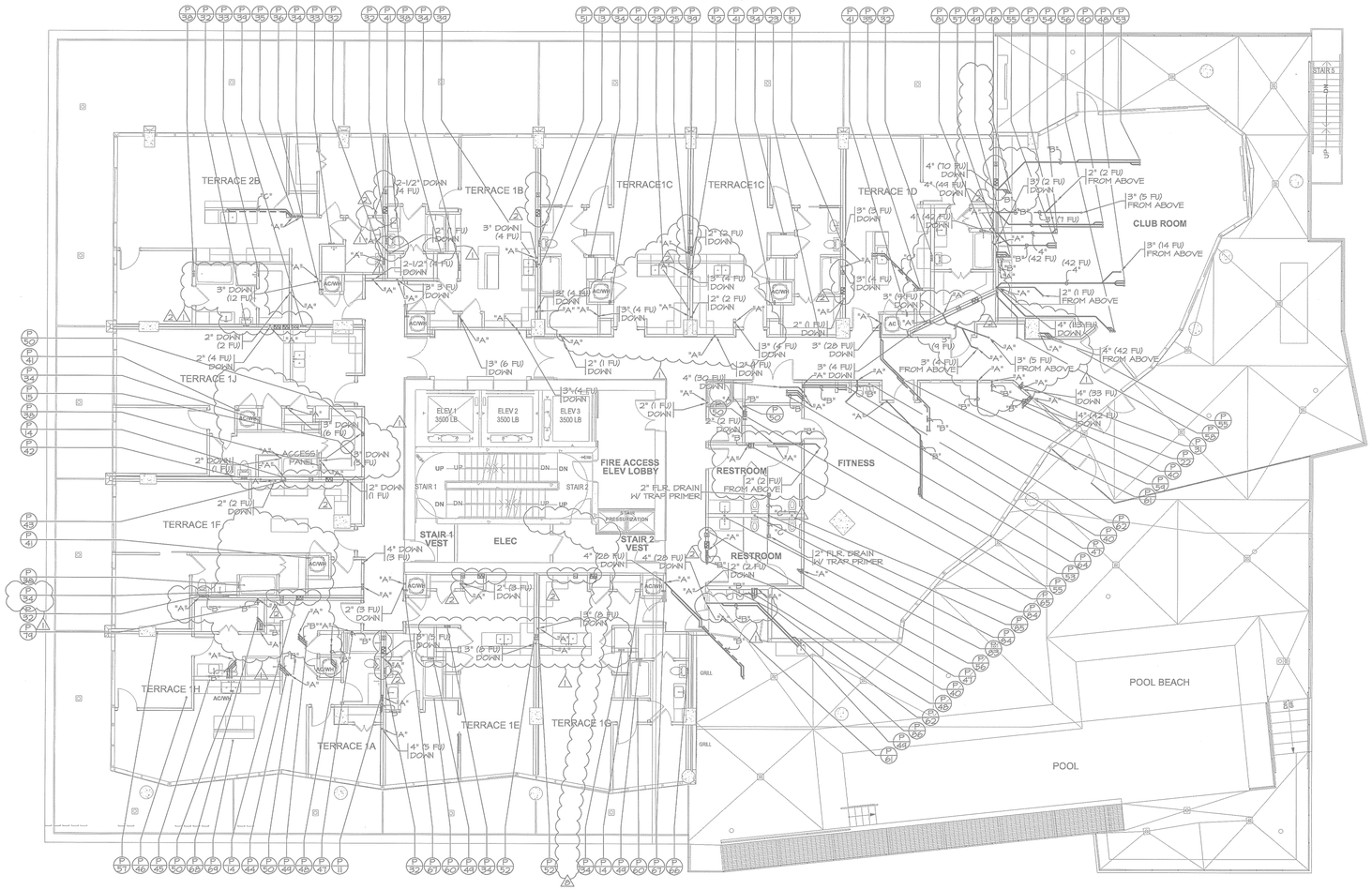
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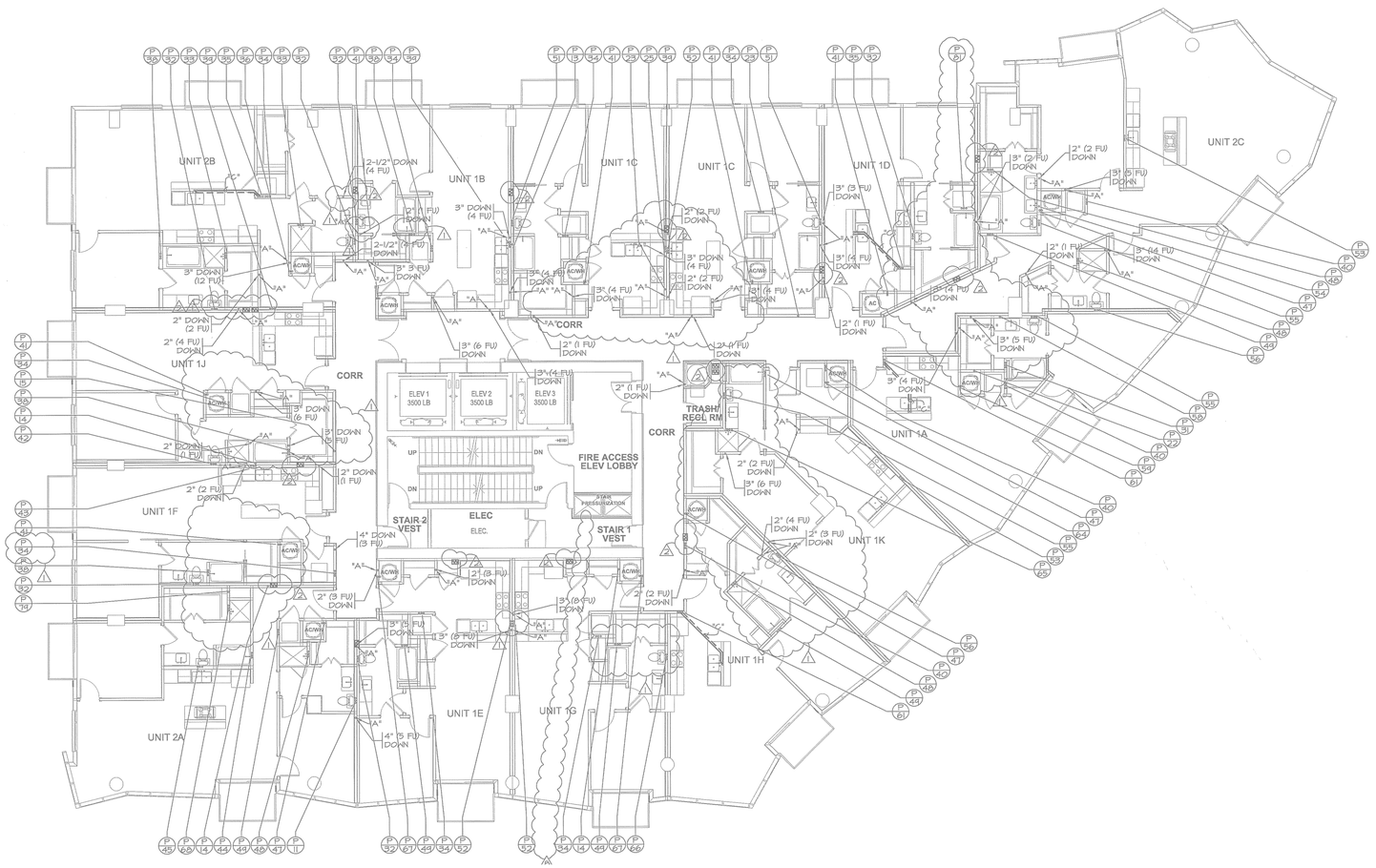
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3. - CORRECTED BUILDING KEY



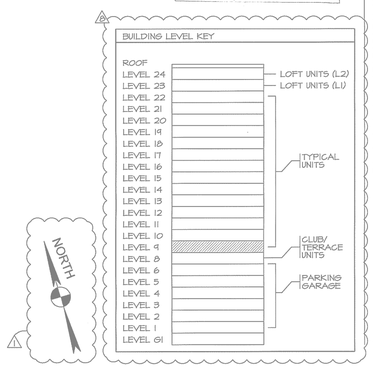
BUILDING - LEVEL 9 - WASTEWATER

1/8" = 1'-0"

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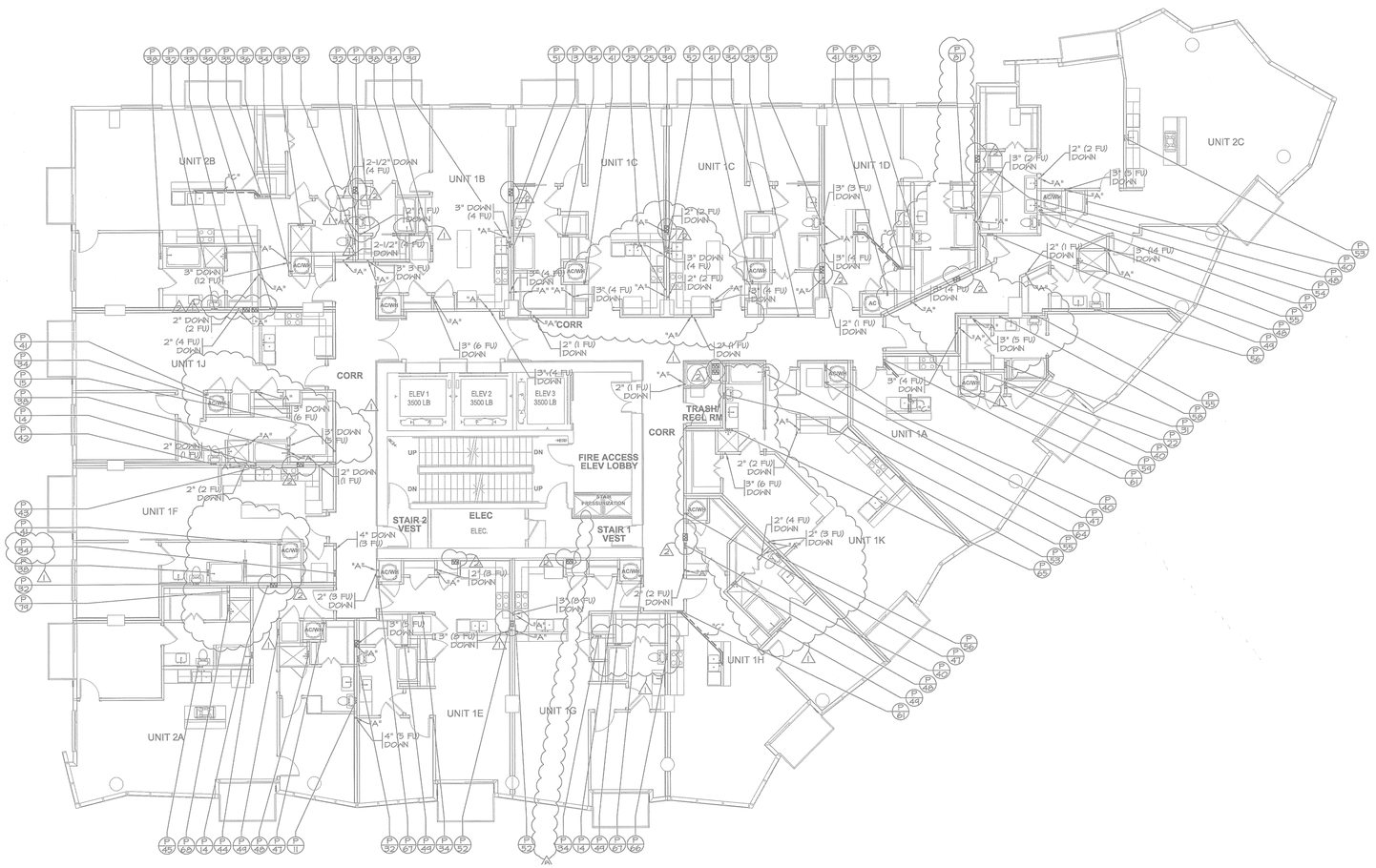
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BUILDING - LEVEL 9 WASTEWATER

PW2.9


UNIT 2B
UNIT 1B
UNIT 1C
UNIT 1C
UNIT 1D
UNIT 2C
UNIT 1J
UNIT 1F
UNIT 2A
UNIT 1E
UNIT 1G
UNIT 1H
UNIT 1K
UNIT 1A
CORR
CORR
CORR
ELEV 1 3500 LB
ELEV 2 3500 LB
ELEV 3 3500 LB
FIRE ACCESS ELEV LOBBY
TRASH/ RECYL RM
STAIR 2 VEST
ELEC
ELEC.
STAIR 1 VEST
STAIR PRESSURIZATION
2-1/2" DOWN (4 FU)
3" DOWN (4 FU)
3" DOWN (12 FU)
2" DOWN (2 FU)
2" (4 FU) DOWN
2" (1 FU) DOWN
3" (5 FU) DOWN
2-1/2" (6 FU)
3" (6 FU) DOWN
3" (4 FU) DOWN
2" (2 FU) DOWN
3" (3 FU) DOWN
3" (4 FU) DOWN
2" (1 FU) DOWN
3" (6 FU) DOWN
2" (4 FU) DOWN
3" (5 FU) DOWN
2" (2 FU) DOWN
3" (6 FU) DOWN
2" (1 FU) DOWN
2" (2 FU) DOWN
3" (6 FU) DOWN
2" (4 FU) DOWN
2" (3 FU) DOWN
4" DOWN (3 FU)
2" (3 FU) DOWN
3" (6 FU) DOWN
2" (2 FU) DOWN
3" (5 FU) DOWN
3" (6 FU) DOWN
4" (3 FU) DOWN
3" (4 FU) DOWN
2" (1 FU) DOWN
3" (5 FU) DOWN
3" (4 FU) DOWN
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3" (5 FU) DOWN
2" (1 FU) DOWN
3" (4 FU) DOWN
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2" (3 FU) DOWN
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3" (5 FU) DOWN
3" (4 FU) DOWN
2" (2 FU) DOWN
3" (5 FU) DOWN
2" (1 FU) DOWN
3" (4 FU) DOWN
3" (4 FU) DOWN
3" (5

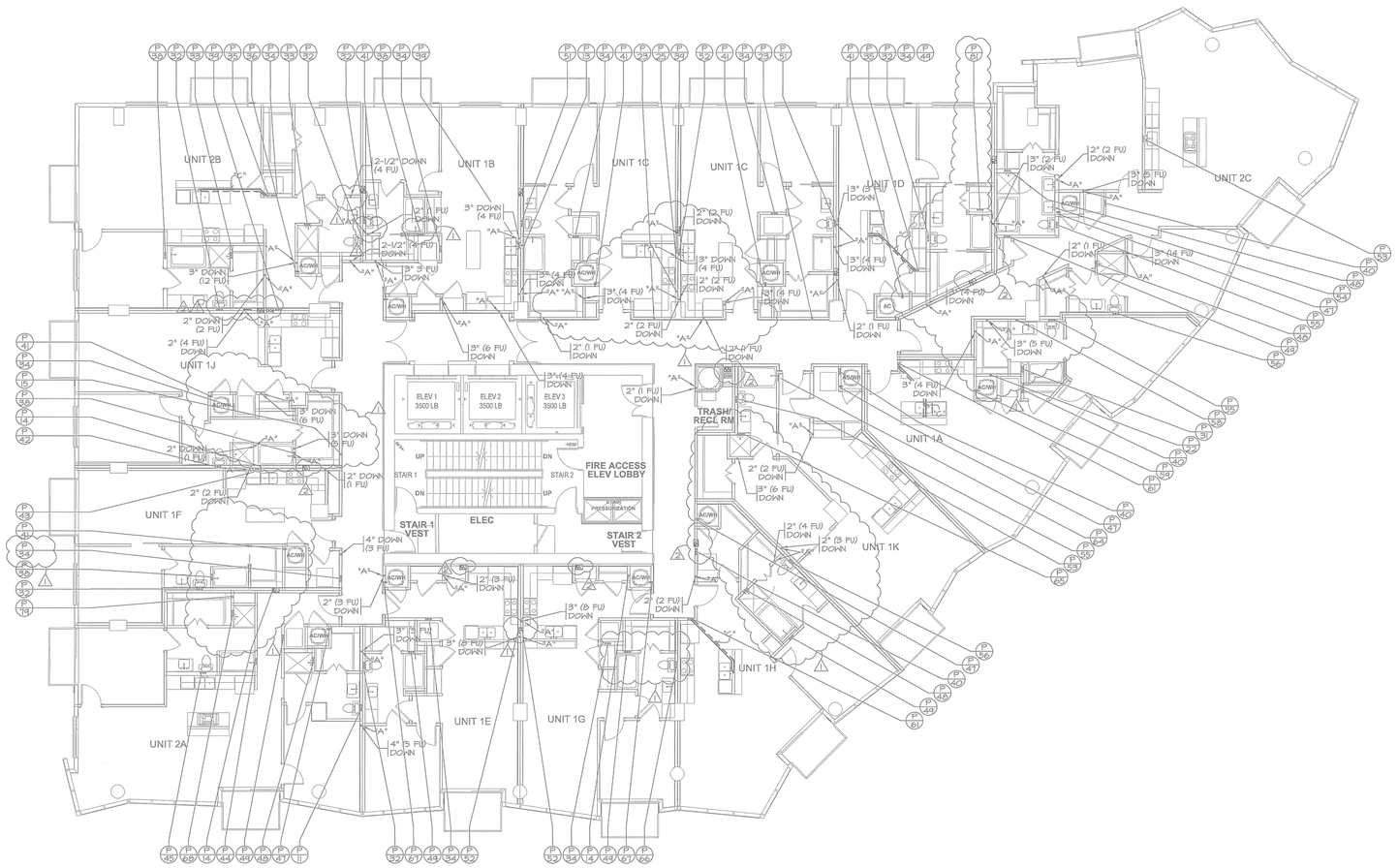
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BUILDING - LEVEL 10 - WASTEWATER

1/8" = 1'-0"

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BUILDING LEVEL KEY

- ROOF
- LEVEL 24 — LOFT UNITS (L2)
- LEVEL 23 — LOFT UNITS (L1)
- LEVEL 22
- LEVEL 21
- LEVEL 20
- LEVEL 19
- LEVEL 18
- LEVEL 17
- LEVEL 16
- LEVEL 15
- LEVEL 14
- LEVEL 13
- LEVEL 12
- LEVEL 11
- LEVEL 10
- LEVEL 9 — CLUB/ TERRACE UNITS
- LEVEL 8
- LEVEL 6 — PARKING GARAGE
- LEVEL 5
- LEVEL 4
- LEVEL 3
- LEVEL 2
- LEVEL 1
- LEVEL B1

TYPICAL UNITS

NORTH

BUILDING - LEVEL 10 WASTEWATER

PW2.10

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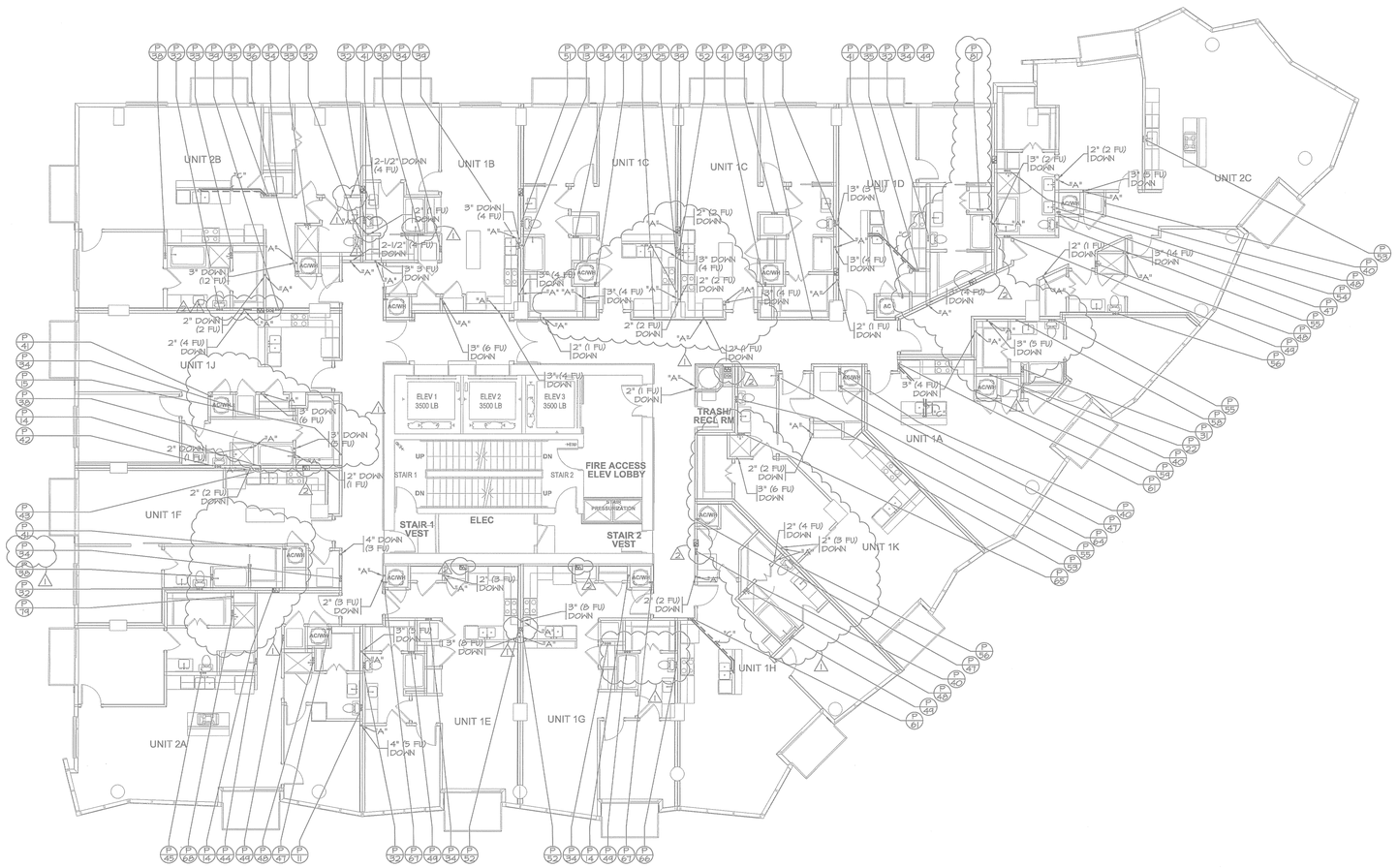
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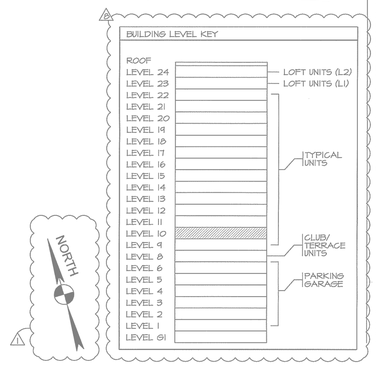
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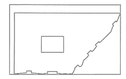
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DESCRIPTION	**DATE**

BUILDING - LEVEL 10 WASTEWATER

PW2.10

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN WALL WITH A HINGED NON-LATCHING ACCESS PANEL.
2. ALL VERTICAL AND HORIZONTAL SANITARY WASTE PIPING ABOVE FLOOR TO BE INSULATED - 1 1/2" INSULATION WITH VAPOR BARRIER.
3. SANITARY SEWER, FIRE PROTECTION LINE & DOMESTIC WATER SERVICE VARY AT EACH BLDG. CONTR. TO VERIFY EXACT SERVICE POINTS WITH CIVIL DRAWINGS & SITE UTILITY PLAN PRIOR TO INSTALLATION OF LINES.

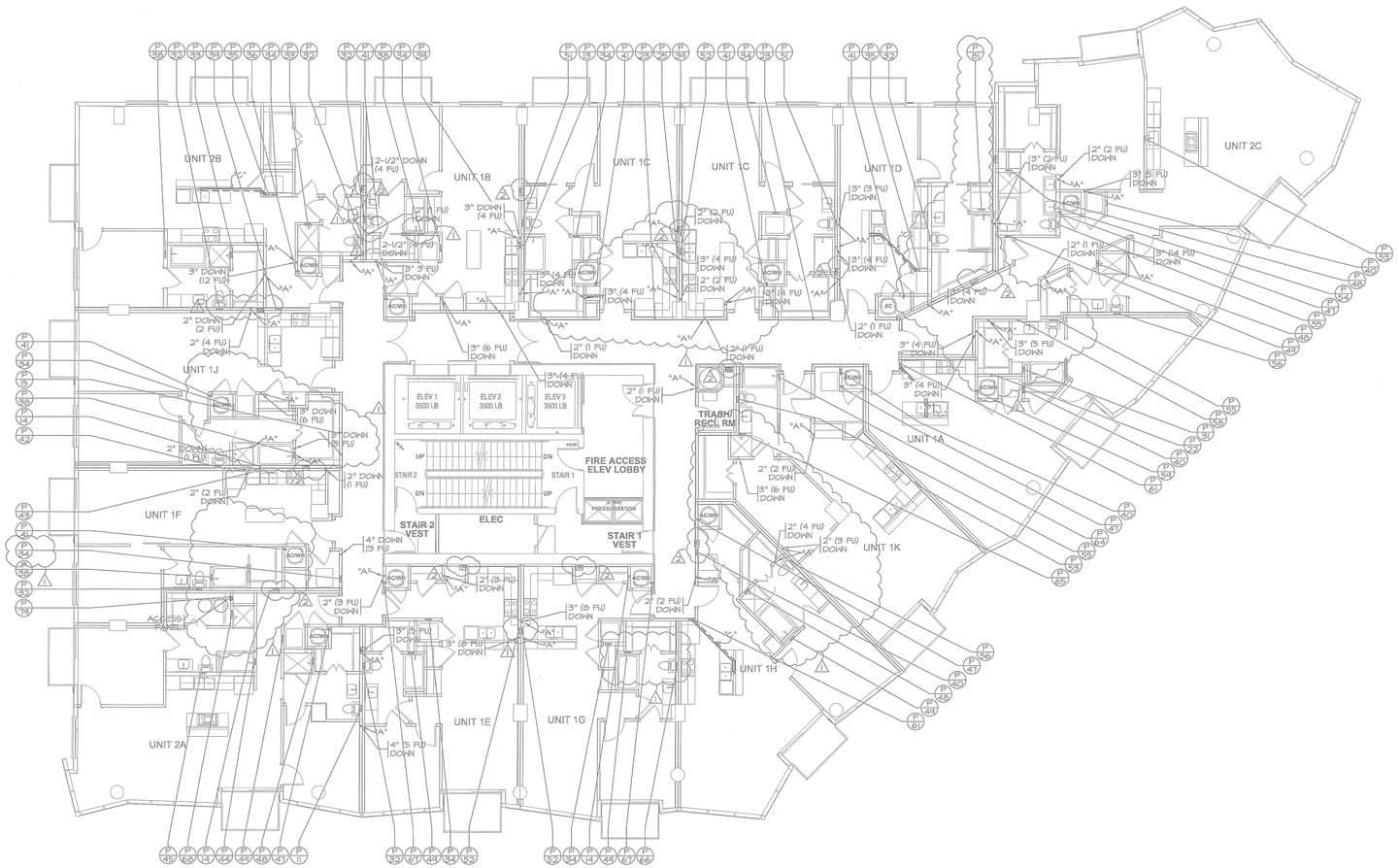
NOTES

- (A) UP IN WALL TO ABOVE CLG.
- (B) PIPING @ CEILING AS HIGH AS POSSIBLE
- (C) PIPING BELOW FLOOR

1 - UPDATED BACKGROUND
- ADJUSTED PLUMBING
- CORRECTED NORTH ARROW

2 - UPDATED BACKGROUND
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GM PLUMBING

3 - CORRECTED BUILDING KEY



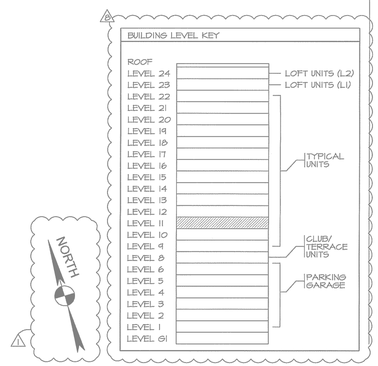
BUILDING - LEVEL 11 - WASTEWATER

1/8" = 1'-0"

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES.

REVIEWED _____ DATE 9-2-13

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515 CONGRESS AVE
SUITE 1600
AUSTIN, TEXAS 78701

512.473.0923
512.473.0477

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7th & Rio Grande Apartments

615 West 7th Street
Austin, Texas 78701

PROJECT NUMBER - 111009

OWNER
BEHRINGER HARVARD
CWS CAPITAL PARTNERS LLC
9606 N. Mopac Expwy, Suite 500
Austin, Texas 78759
512.837.3028 p

GENERAL CONTRACTOR
J.E. DUNN CONSTRUCTION
901 S. Mopac Expressway
Barton Oaks Plaza II , Ste. 375
Austin, TX 78746
512.687.6119

ARCHITECT
RHODE PARTNERS
515 Congress Avenue, Suite 1600
Austin, TX 78701
512.473.0923 p

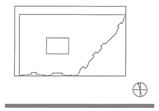
CIVIL ENGINEER
BURY + PARTNERS
221 W 6th Street Ste 600
Austin, Texas 78701
512.791.3311 p

STRUCTURAL ENGINEER
ARCHITECTURAL ENGINEERS COLLABORATIVE
106 East Sixth Street, Suite 450
Austin, Texas 78701
512.472.2111 p

MEP ENGINEER
EN-INCORPORATED
13581 Pond Srpings Road, Suite 400
Austin, Texas 78729
512.918.9315 p

INTERIOR DESIGNER
KEATON INTERIORS
4901 Keller Springs Rd. Ste. 106B
Addison, TX 75001
972.233.9100

LANDSCAPE ARCHITECT
D CRAIN
1521 Willow Street
Austin, TX 78702
512.480.8008 p





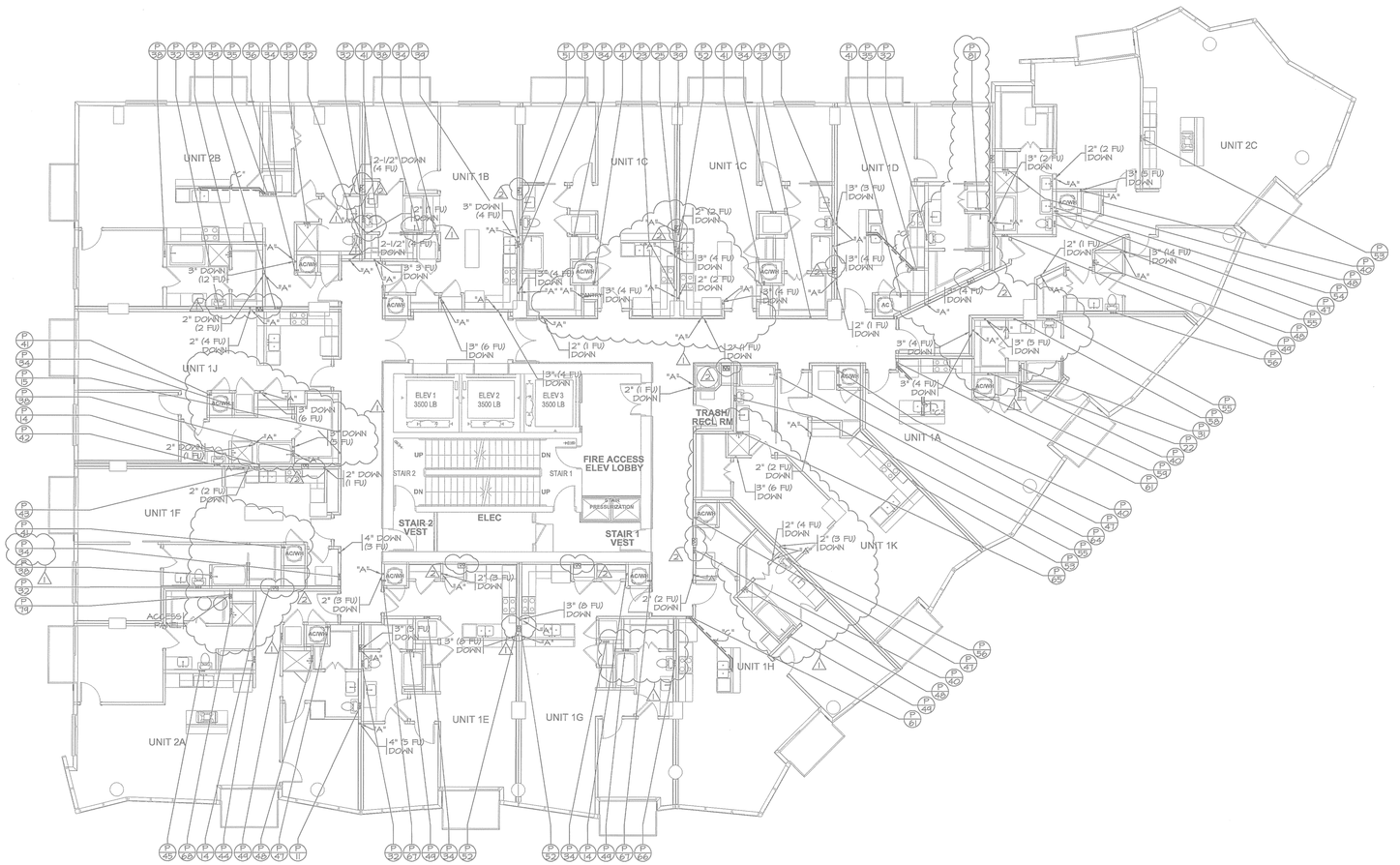
EN,INC. F-2473 06/12/13

IF THIS DOCUMENT IS NOT SIGNED, SEALED, AND DATED, IT MAY NOT BE USED FOR REGULATORY APPROVAL, PERMIT OR CONSTRUCTION

100% SCHEMATIC DESIGN	02/05/2012
DD - INTERIM PRICING SET	03/30/2012
100% DESIGN DEVELOPMENT	05/04/2012
AEGB REVIEW	05/31/2012
ISSUED FOR REVIEW AND PERMIT	06/11/2012
PERMIT RESPONSE 1	8/28/2012
95% CONSTRUCTION DOCUMENTS	10/05/2012
PERMIT RESPONSE 2	11/08/2012
AFD RESPONSE	01/22/2013
ISSUED FOR CONSTRUCTION	02/01/2013
ISSUED FOR CONSTRUCTION	02/07/2013
REVISION #7	05/20/2013
REVISION #8	06/12/2013
DESCRIPTION	**DATE**

BUILDING - LEVEL 11 WASTEWATER

PW2.11


UNIT 2B
UNIT 1B
UNIT 1C
UNIT 1C
UNIT 1D
UNIT 2C
UNIT 1J
UNIT 1F
UNIT 2A
UNIT 1E
UNIT 1G
UNIT 1H
UNIT 1K
UNIT 1A
ELEV 1 3500 LB
ELEV 2 3500 LB
ELEV 3 3500 LB
FIRE ACCESS ELEV LOBBY
TRASH/ RECL RM
STAIR 2 VEST
STAIR 1 VEST
ELEC
STAIR 2
STAIR 1
ACCESS PANEL
2-1/2" DOWN (4 FU)
3" DOWN (4 FU)
3" DOWN (12 FU)
2" DOWN (2 FU)
2" (4 FU) DOWN
2" DOWN (11 FU)
2" (3 FU) DOWN
4" DOWN (3 FU)
3" (6 FU) DOWN
3" (5 FU) DOWN
4" (5 FU) DOWN
2" (2 FU) DOWN
2" (1 FU) DOWN
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3" (6 FU) DOWN
2" (2 FU) DOWN
4" (5

PLBG NOTES

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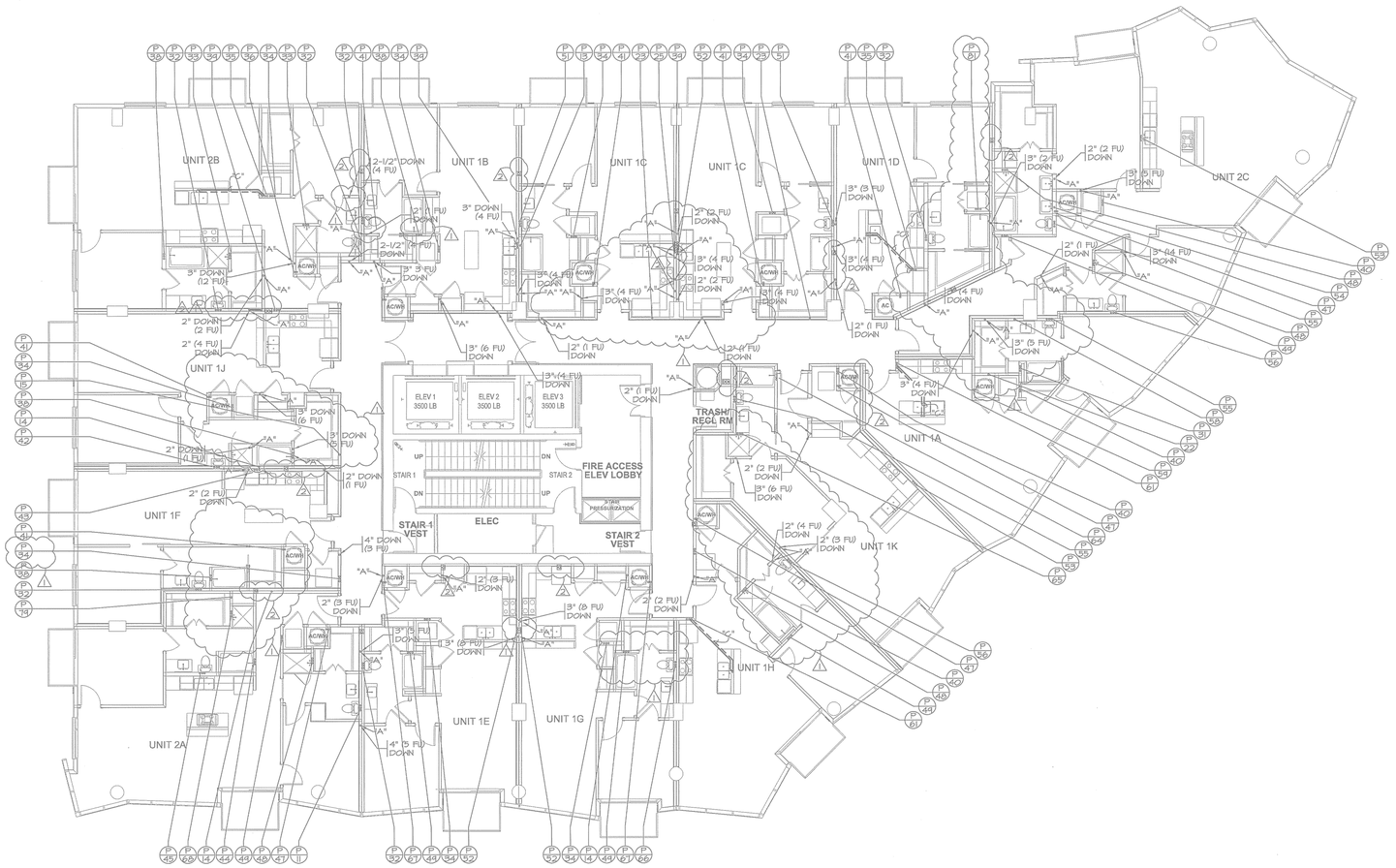
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- ADJUSTED PLUMBING
- CORRECTED NORTH ARROW

2 - UPDATED BACKGROUND
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GM PLUMBING

3 - CORRECTED BUILDING KEY


UNIT 2B
UNIT 1B
UNIT 1C
UNIT 1C
UNIT 1D
UNIT 2C
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2" (2 FU) DOWN
3" (4 FU) DOWN
3" (5 FU) DOWN
3" (4 FU) DOWN
3" (6 FU) DOWN
2" (1 FU) DOWN
3" (4 FU) DOWN
2" (2 FU) DOWN
3" (5 FU) DOWN
3" (4

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW5.AGW AND PW5.SGW FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLBG NOTES

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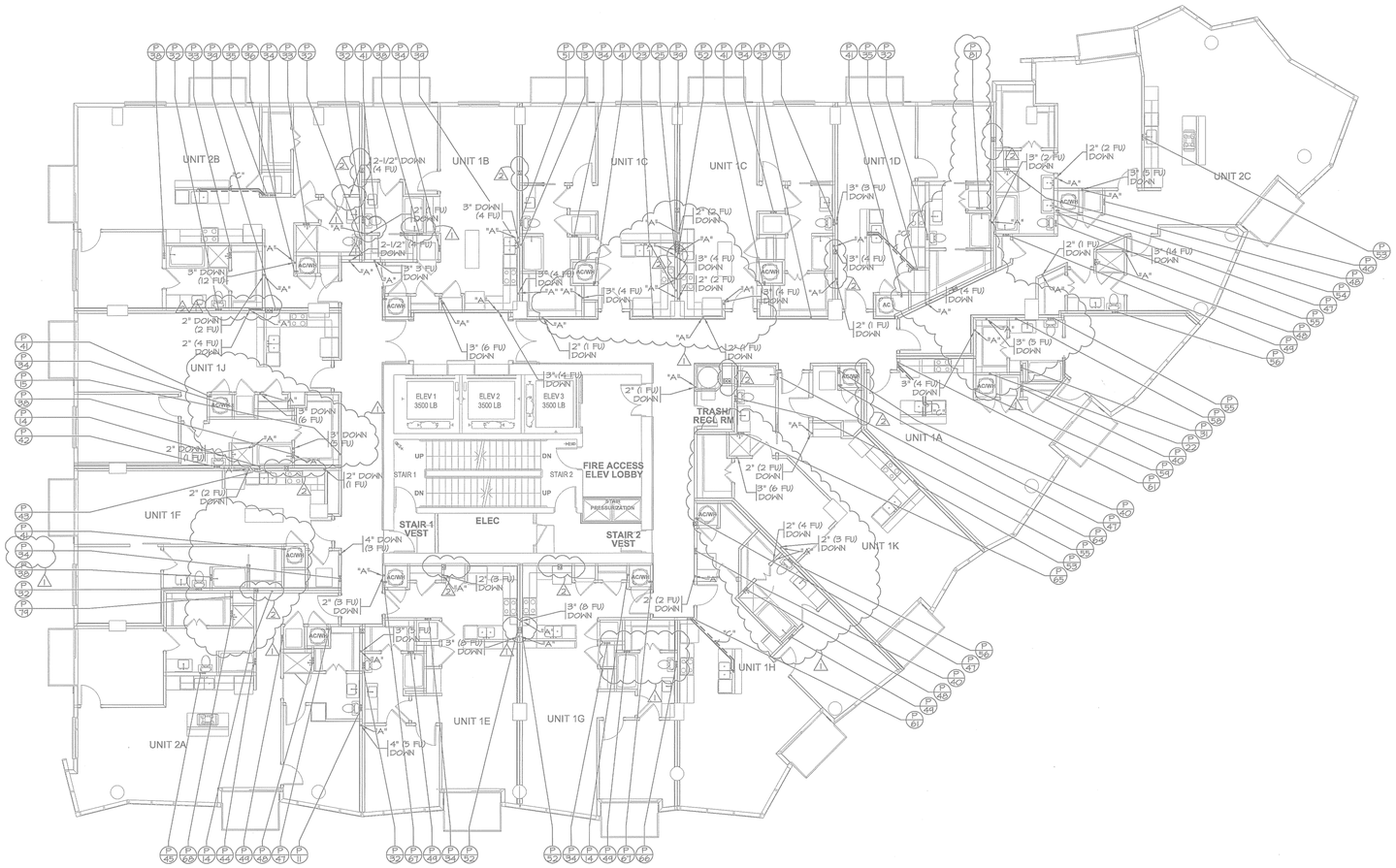
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1 - UPDATED BACKGROUND
- ADJUSTED PLUMBING
- CORRECTED NORTH ARROW

2 - UPDATED BACKGROUND
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN CM PLUMBING

3 - CORRECTED BUILDING KEY



BUILDING - LEVEL 12 - WASTEWATER

1/8" = 1'-0"

515 CONGRESS AVE
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512.473.0923
512.473.0177

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PROJECT NUMBER - 111009

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Austin, TX 78746
512.887.6119

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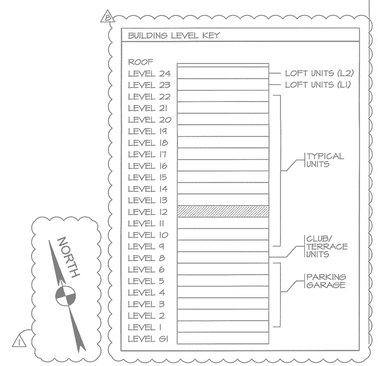
DAVID EDWARD NICHOLS
102295
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS

EN,INC. F-2473 06/12/13

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100% SCHEMATIC DESIGN	02/06/2012
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100% DESIGN DEVELOPMENT	05/04/2012
AEGB REVIEW	05/31/2012
ISSUED FOR REVIEW AND PERMIT	06/11/2012
PERMIT RESPONSE 1	8/28/2012
95% CONSTRUCTION DOCUMENTS	10/05/2012
PERMIT RESPONSE 2	11/08/2012
AFD RESPONSE	01/22/2013
ISSUED FOR CONSTRUCTION	02/01/2013
ISSUED FOR CONSTRUCTION	02/07/2013
REVISION #7	05/20/2013
REVISION #8	06/12/2013
DESCRIPTION	**DATE**

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES.
REVIEWED WSW DATE 7-2-13
The granting of a permit for, or approval of these plans, and specifications shall not be construed to be a permit for, or approval of, any violation of any of the provisions of the currently adopted plumbing code or any other ordinance of the City of Austin.



BUILDING - LEVEL 12 WASTEWATER

PW2.12

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN HALL WITH A HINGED NON-LATCHING ACCESS PANEL.
2. ALL VERTICAL AND HORIZONTAL SANITARY WASTE PIPING ABOVE FLOOR TO BE INSULATED - 1 1/2" INSULATION WITH VAPOR BARRIER.
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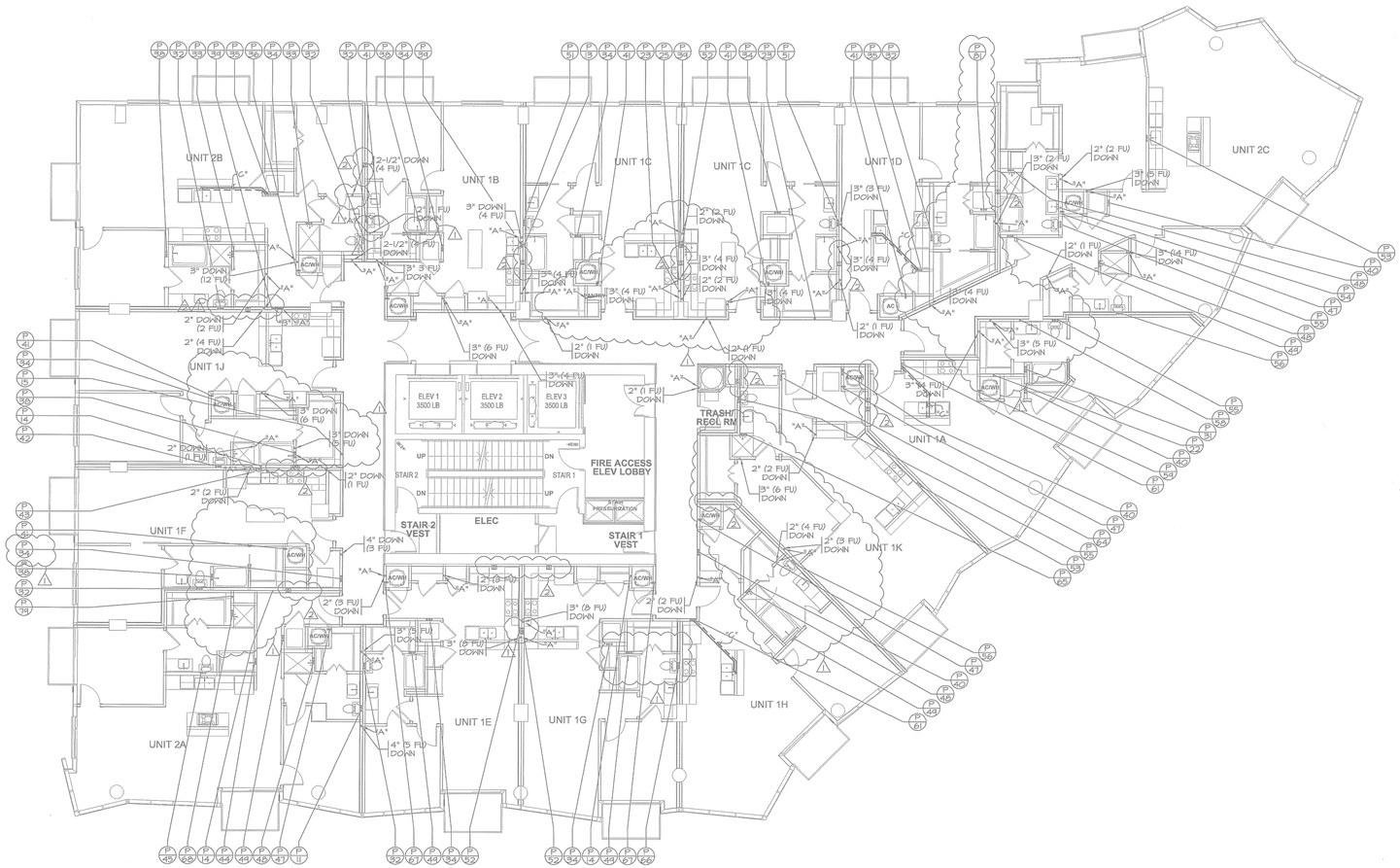
NOTES

- (A) UP IN WALL TO ABOVE CLG.
- (B) PIPING @ CEILING AS HIGH AS POSSIBLE
- (C) PIPING BELOW FLOOR

1 - UPDATED BACKGROUND
- ADJUSTED PLUMBING
- CORRECTED NORTH ARROW

2 - UPDATED BACKGROUND
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GH PLUMBING

3 - CORRECTED BUILDING KEY



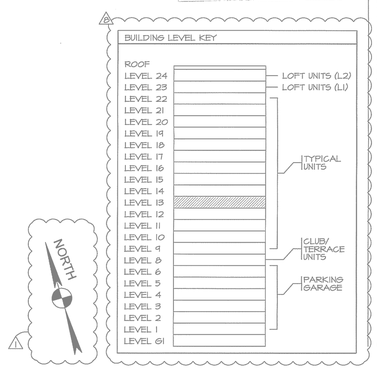
BUILDING - LEVEL 13 - WASTEWATER

1/8" = 1'-0"

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REVIEWED BY _____ DATE 7-2-13

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515 CONGRESS AVE
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ARCHITECT
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EN,INC. F-2473 06/12/13

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ISSUED FOR CONSTRUCTION	02/01/2013
ISSUED FOR CONSTRUCTION	02/07/2013
REVISION #7	05/20/2013
REVISION #8	06/12/2013
AH/DEN	

BUILDING - LEVEL 13 WASTEWATER

PW2.13

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW3.40R AND PW3.50R FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLBG NOTES

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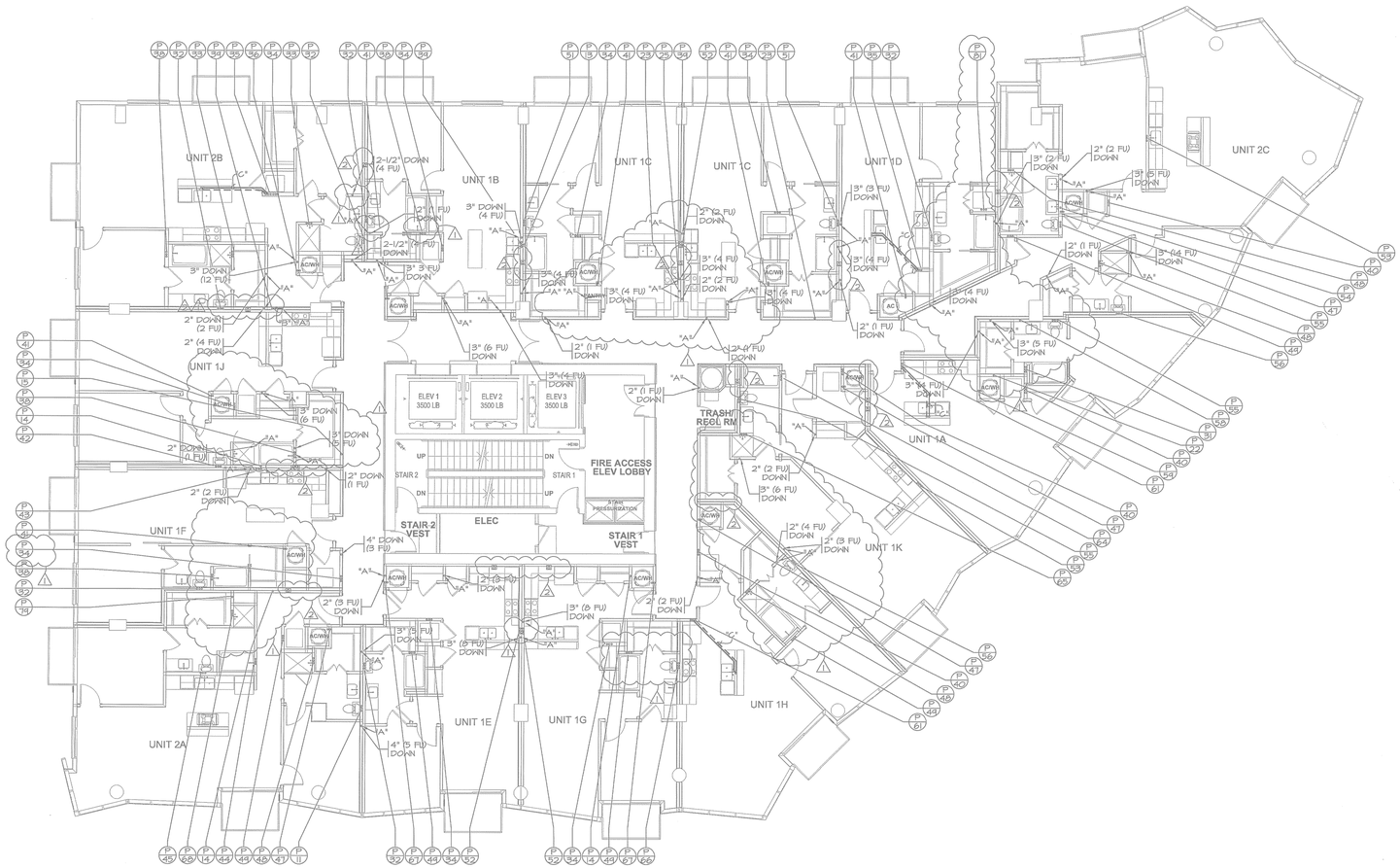
NOTES

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1 - UPDATED BACKGROUND
- ADJUSTED PLUMBING
- CORRECTED NORTH ARROW

2 - UPDATED BACKGROUND
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GH PLUMBING

3 - CORRECTED BUILDING KEY


UNIT 2B
UNIT 1B
UNIT 1C
UNIT 1C
UNIT 1D
UNIT 2C
UNIT 1J
UNIT 1F
UNIT 2A
UNIT 1E
UNIT 1G
UNIT 1H
UNIT 1A
UNIT 1K
ELEV 1 3500 LB
ELEV 2 3500 LB
ELEV 3 3500 LB
TRASH/ RECYL RM
FIRE ACCESS ELEV LOBBY
STAIR 1
STAIR 2
ELEC
STAIR 1 VEST
STAIR 2 VEST
STAIR PRESSURIZATION
UP
DN
ACWB
AC
2-1/2" DOWN (4 FU)
3" DOWN (4 FU)
2-1/2" (4 FU) DOWN
2" (1 FU) DOWN
3" (3 FU) DOWN
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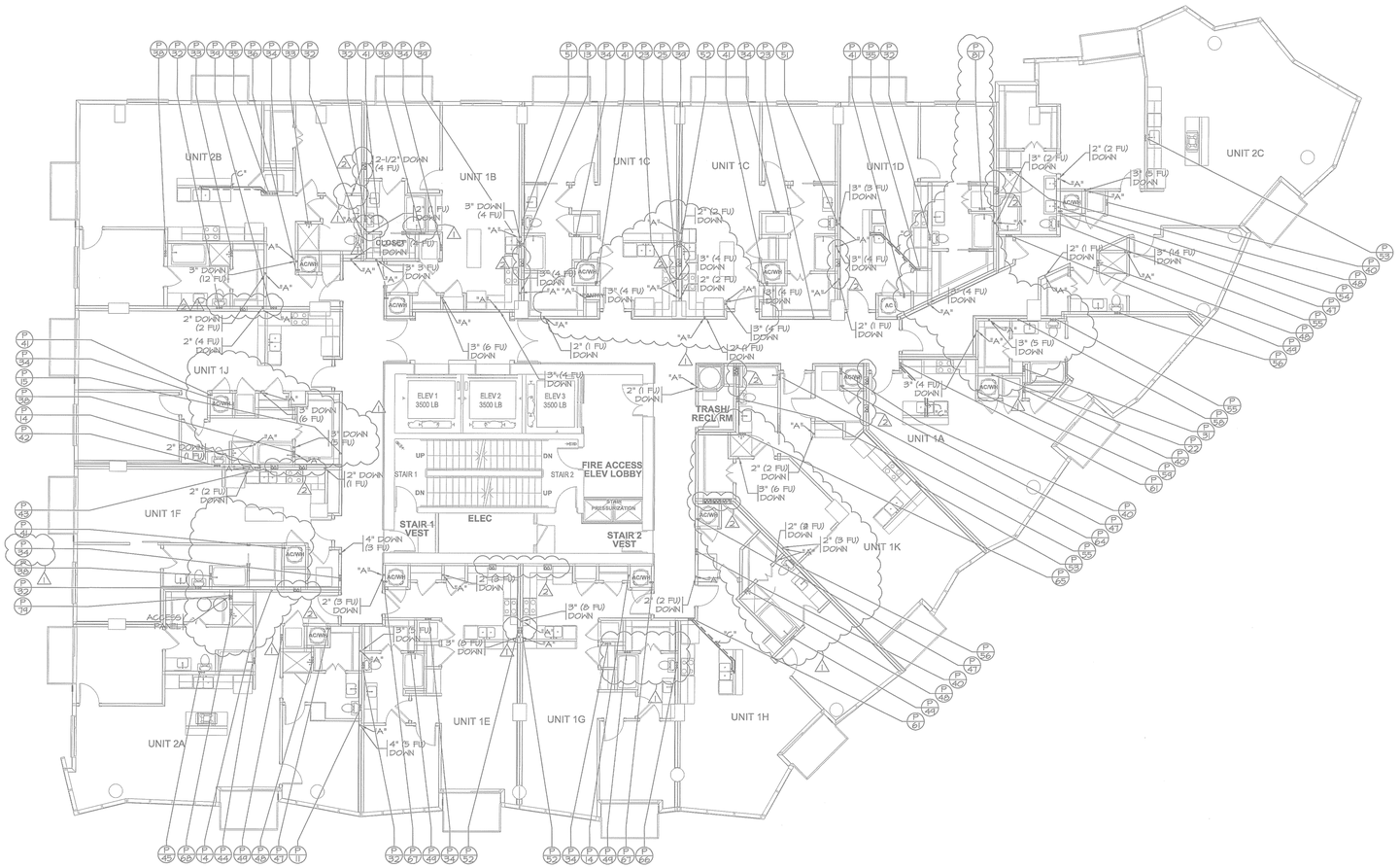
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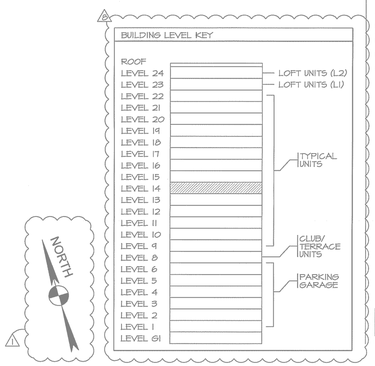
BUILDING - LEVEL 14 - WASTEWATER

1/8" = 1'-0"

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REVIEWED BY MSW DATE 7-2-13

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512.473.0177

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7th & Rio Grande Apartments

615 West 7th Street
Austin, Texas 78701

PROJECT NUMBER - 111009

OWNER
BEHRINGER HARVARD
CWS CAPITAL PARTNERS LLC
9606 N. Mopac Expwy, Suite 500
Austin, Texas 78759
512.837.3028 p

GENERAL CONTRACTOR
J.E. DUNN CONSTRUCTION
901 S. Mopac Expressway
Barton Oaks Plaza II , Ste. 375
Austin, TX 78746
512.687.6119

ARCHITECT
RHODE PARTNERS
515 Congress Avenue, Suite 1600
Austin, TX 78701
512.473.0923 p

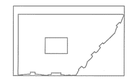
CIVIL ENGINEER
BURY + PARTNERS
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512.791.3311 p

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MEP ENGINEER
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512.918.9315 p

INTERIOR DESIGNER
KEATON INTERIORS
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Addison, TX 75001
972.233.9100

LANDSCAPE ARCHITECT
D CRAIN
1621 Willow Street
Austin, TX 78702
512.480.8008 p





EN,INC. F-2473 08/12/13

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REVISION #8	06/12/2013

BUILDING - LEVEL 14 WASTEWATER

PW2.14

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW1.40R AND PW1.50R FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN WALL WITH A HINGED NON-LATCHING ACCESS PANEL.
2. ALL VERTICAL AND HORIZONTAL SANITARY WASTE PIPING ABOVE FLOOR TO BE INSULATED - 1 1/2" INSULATION WITH VAPOR BARRIER.
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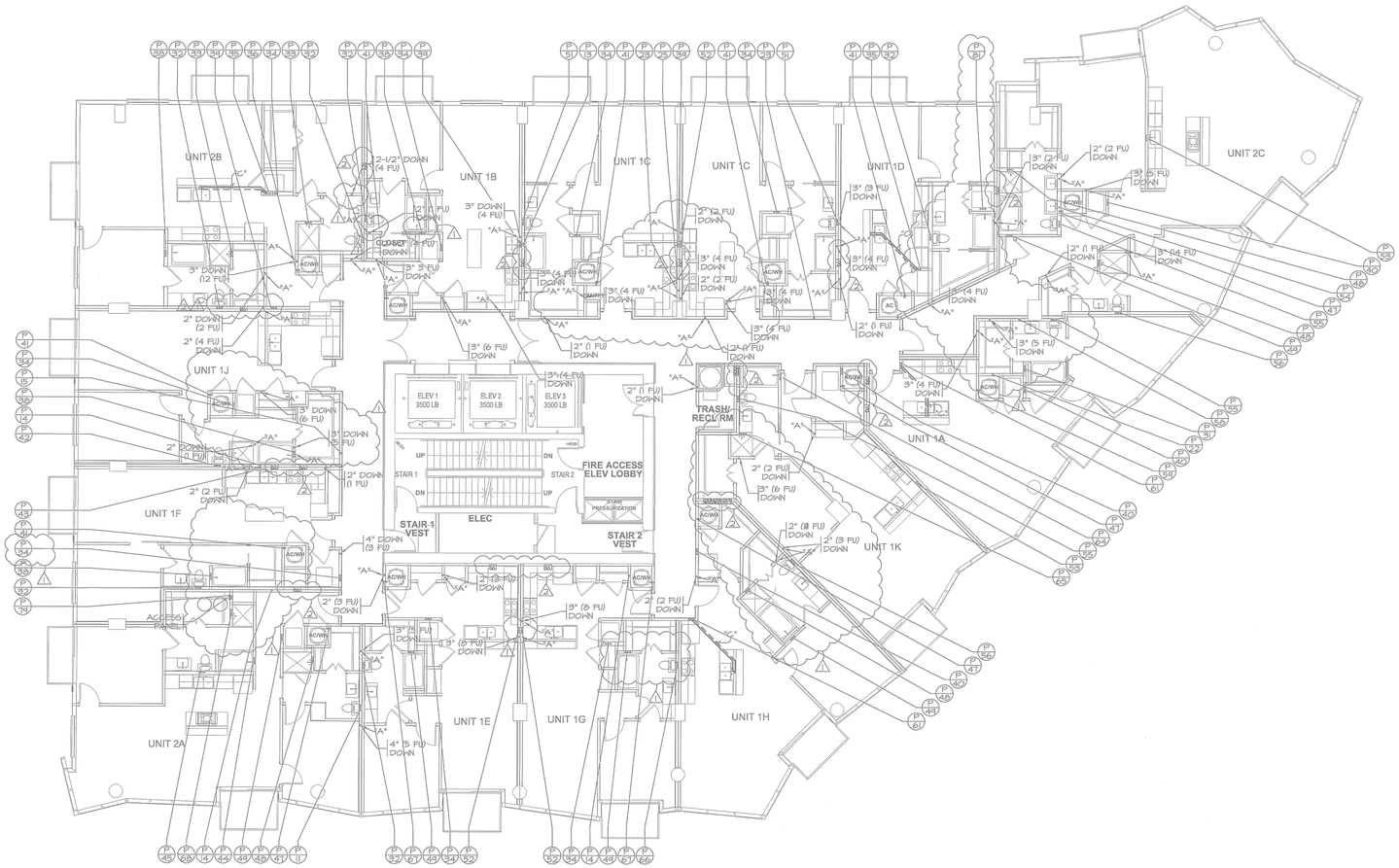
NOTES

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- (B) PIPING @ CEILING AS HIGH AS POSSIBLE
- (C) PIPING BELOW FLOOR

1 - UPDATED BACKGROUND
- ADJUSTED PLUMBINGS
- CORRECTED NORTH ARROW

2 - UPDATED BACKGROUND
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GA PLUMBINGS

3 - CORRECTED BUILDING KEY



BUILDING - LEVEL 14 - WASTEWATER

1/8" = 1'-0"

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES.

REVIEWED BY MSW DATE 7-2-13

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BUILDING LEVEL KEY

ROOF
LEVEL 24 — LOFT UNITS (L2)
LEVEL 23 — LOFT UNITS (L1)
LEVEL 22
LEVEL 21
LEVEL 20
LEVEL 19
LEVEL 18
LEVEL 17
LEVEL 16
LEVEL 15
LEVEL 14 — TYPICAL UNITS
LEVEL 13
LEVEL 12
LEVEL 11
LEVEL 10
LEVEL 9 — CLUB/ TERRACE UNITS
LEVEL 8
LEVEL 7
LEVEL 6
LEVEL 5 — PARKING GARAGE
LEVEL 4
LEVEL 3
LEVEL 2
LEVEL 1
LEVEL G1

NORTH

RHODE PARTNERS
515 CONGRESS AVE
SUITE 1600
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512.473.0923
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102290
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STATE OF TEXAS

EN,INC. F-2473 06/12/13

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BUILDING - LEVEL 14 WASTEWATER

PW2.14

PLBG NOTES

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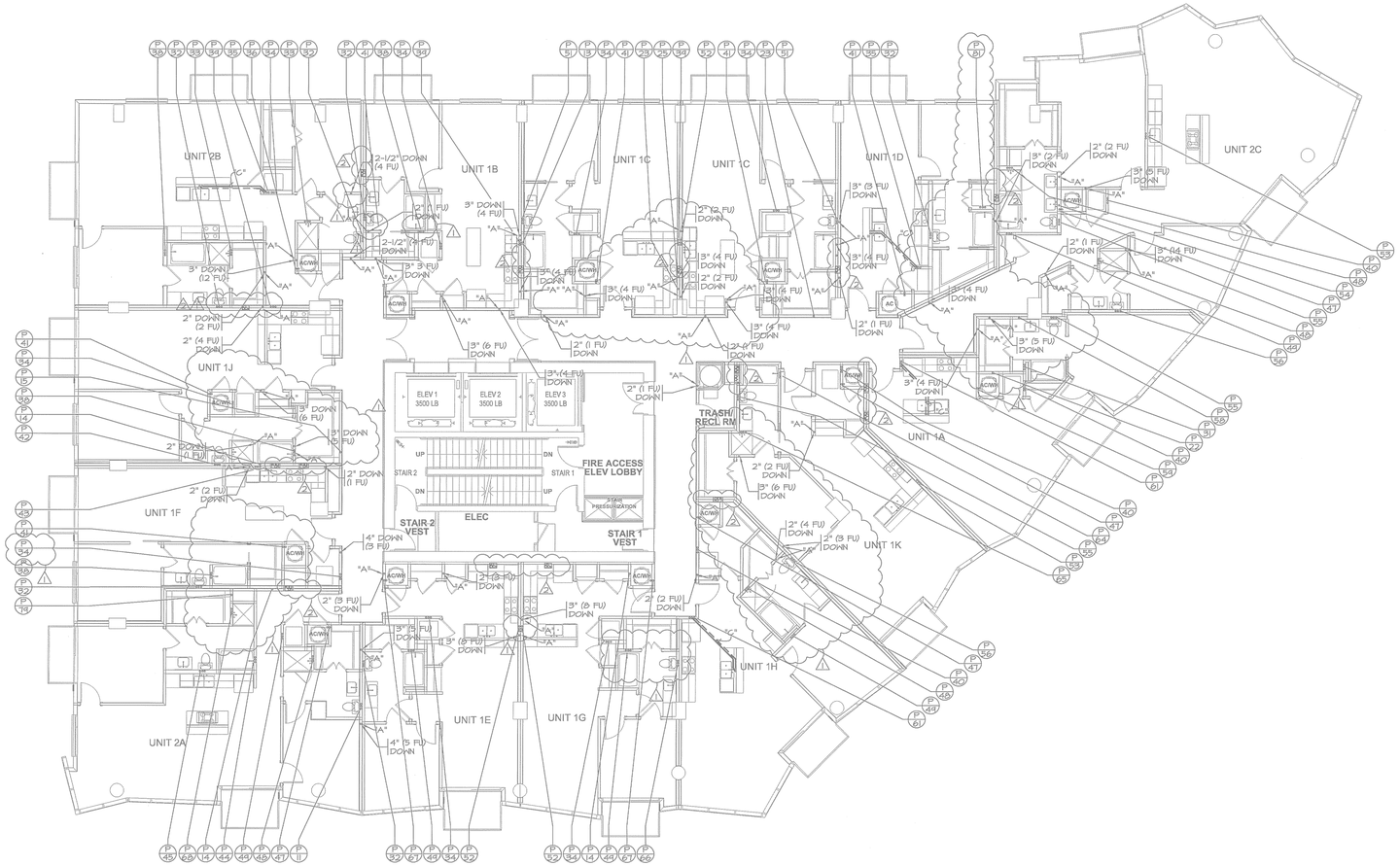
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- ADJUSTED PLUMBING
- CORRECTED NORTH ARROW

2 - UPDATED BACKGROUND
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GM PLUMBING

3 - CORRECTED BUILDING KEY



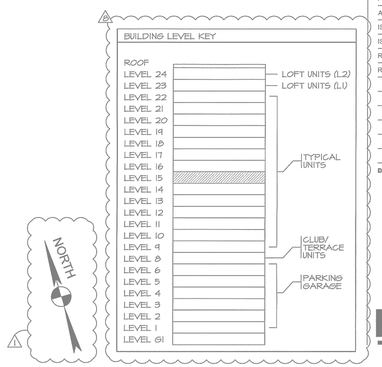
BUILDING - LEVEL 15 - WASTEWATER

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REVIEWED DATE 7-2-13

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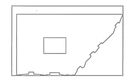
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EN,INC. F-2473 09/12/13

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BUILDING - LEVEL 15 WASTEWATER

PW2.15

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW2.40W AND PW3.50W FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEMS.

PLBG NOTES

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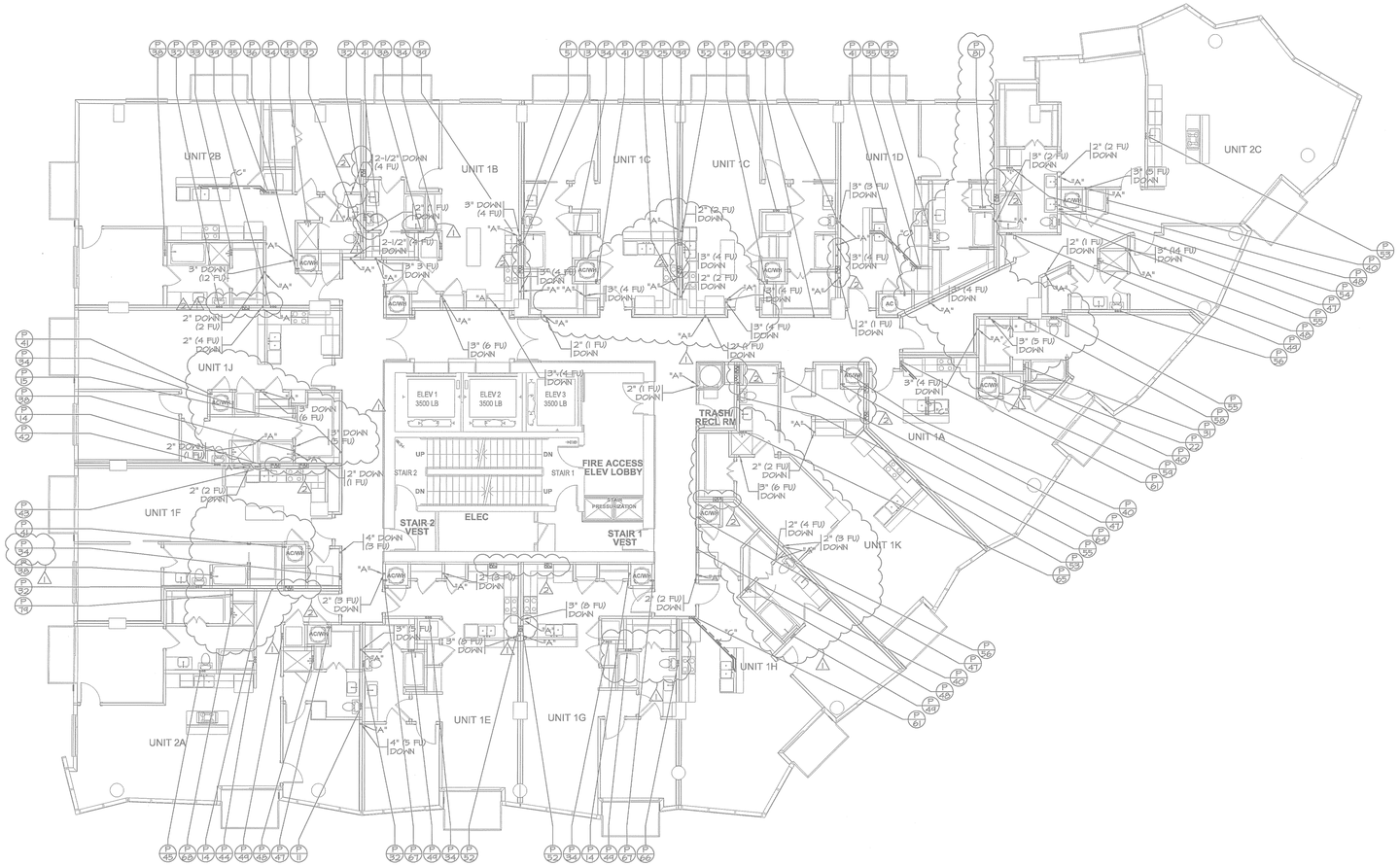
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3 - CORRECTED BUILDING KEY



BUILDING - LEVEL 15 - WASTEWATER

1/8" = 1'-0"

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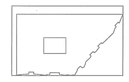
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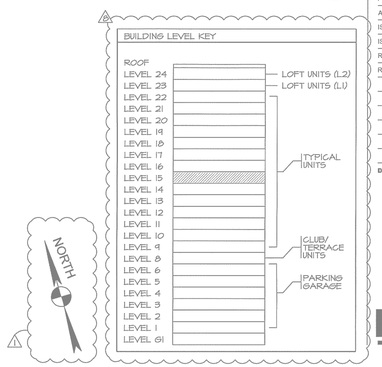


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BUILDING - LEVEL 15 WASTEWATER

PW2.15

PLBG NOTES

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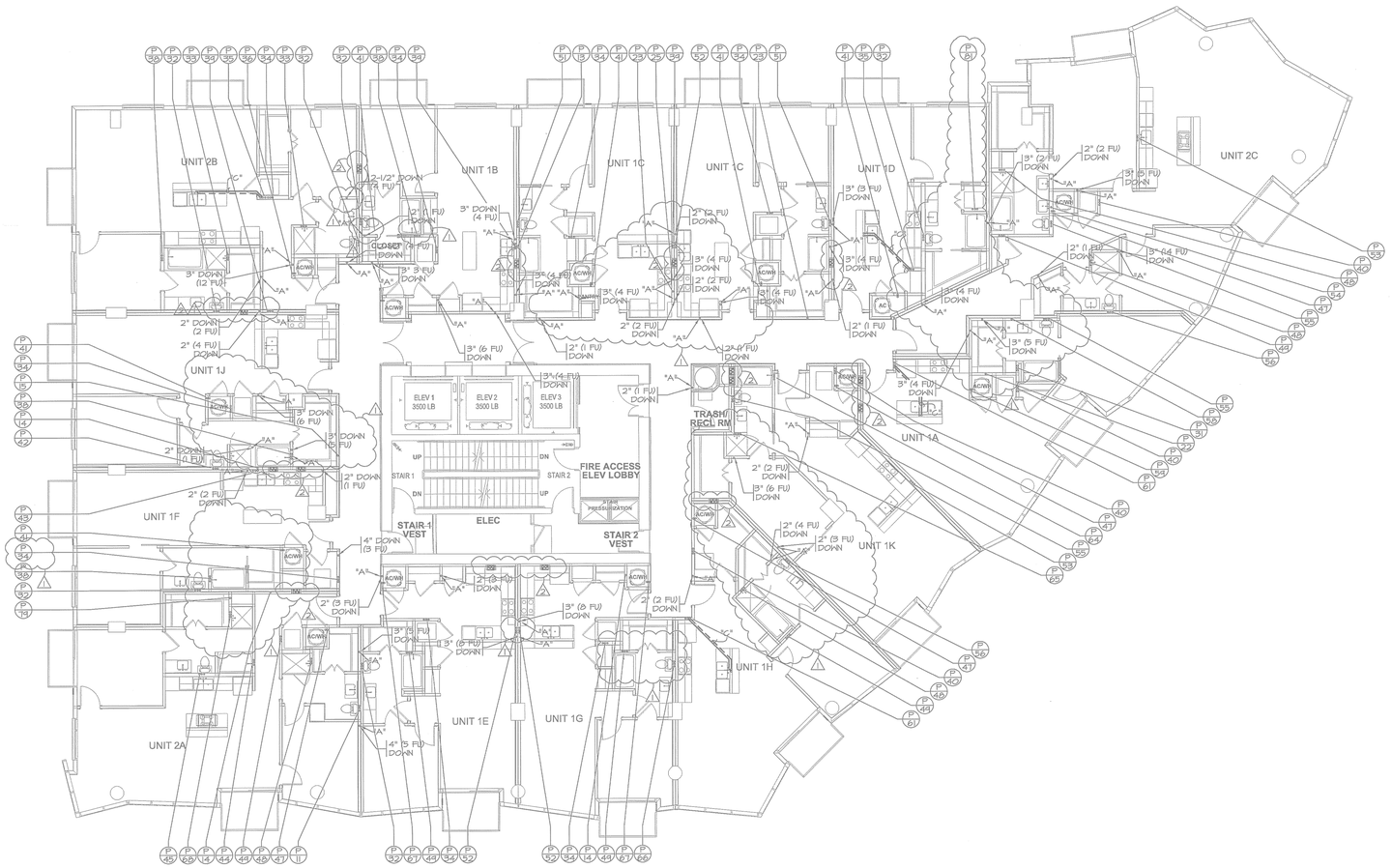
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2 - UPDATED BACKGROUND
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3 - CORRECTED BUILDING KEY



BUILDING - LEVEL 16 - WASTEWATER

1/8" = 1'-0"

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- LEVEL 22
- LEVEL 21
- LEVEL 20
- LEVEL 19
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- LEVEL 8
- LEVEL 7
- LEVEL 6
- LEVEL 5 — PARKING GARAGE
- LEVEL 4
- LEVEL 3
- LEVEL 2
- LEVEL 1
- LEVEL 61

NORTH

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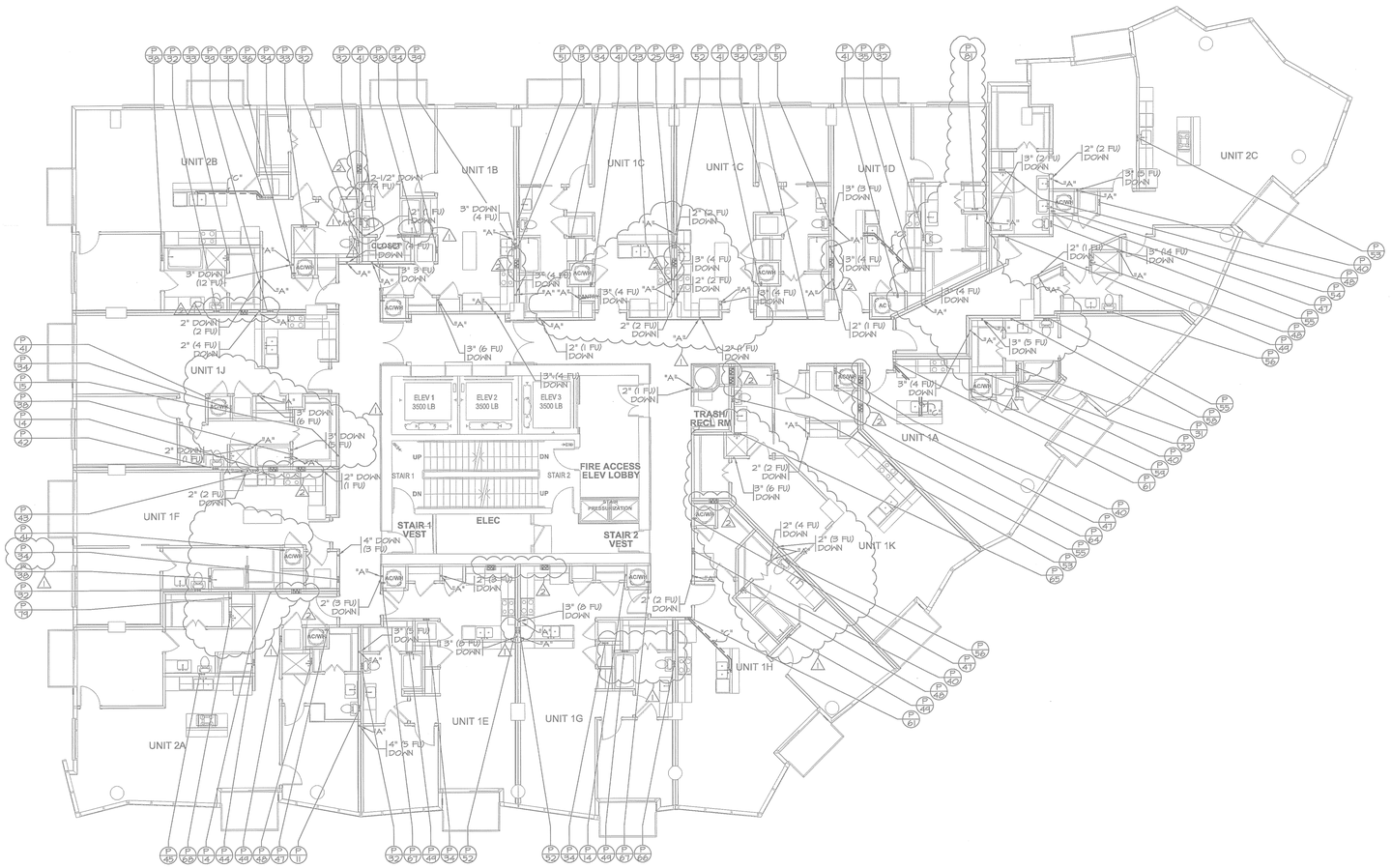
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AH/DEN	

BUILDING - LEVEL 16 WASTEWATER

PW2.16



BUILDING - LEVEL 16 - WASTEWATER

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GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW5.40N AND PW5.40W FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND HOUSING TO EXISTING BLACK WATER WASTE SYSTEM(S).

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LANDSCAPE ARCHITECT
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DAVID EDWARD NICHOLS
102295
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS

EN,INC. F-2473 06/12/13

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DESCRIPTION	DATE
100% SCHEMATIC DESIGN	02/06/2012
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100% DESIGN DEVELOPMENT	05/04/2012
AEGB REVIEW	05/31/2012
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PERMIT RESPONSE 1	8/28/2012
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ISSUED FOR CONSTRUCTION	02/07/2013
REVISION #7	05/20/2013
REVISION #8	06/12/2013
AH/DEN	

BUILDING - LEVEL 16 WASTEWATER

PW2.16

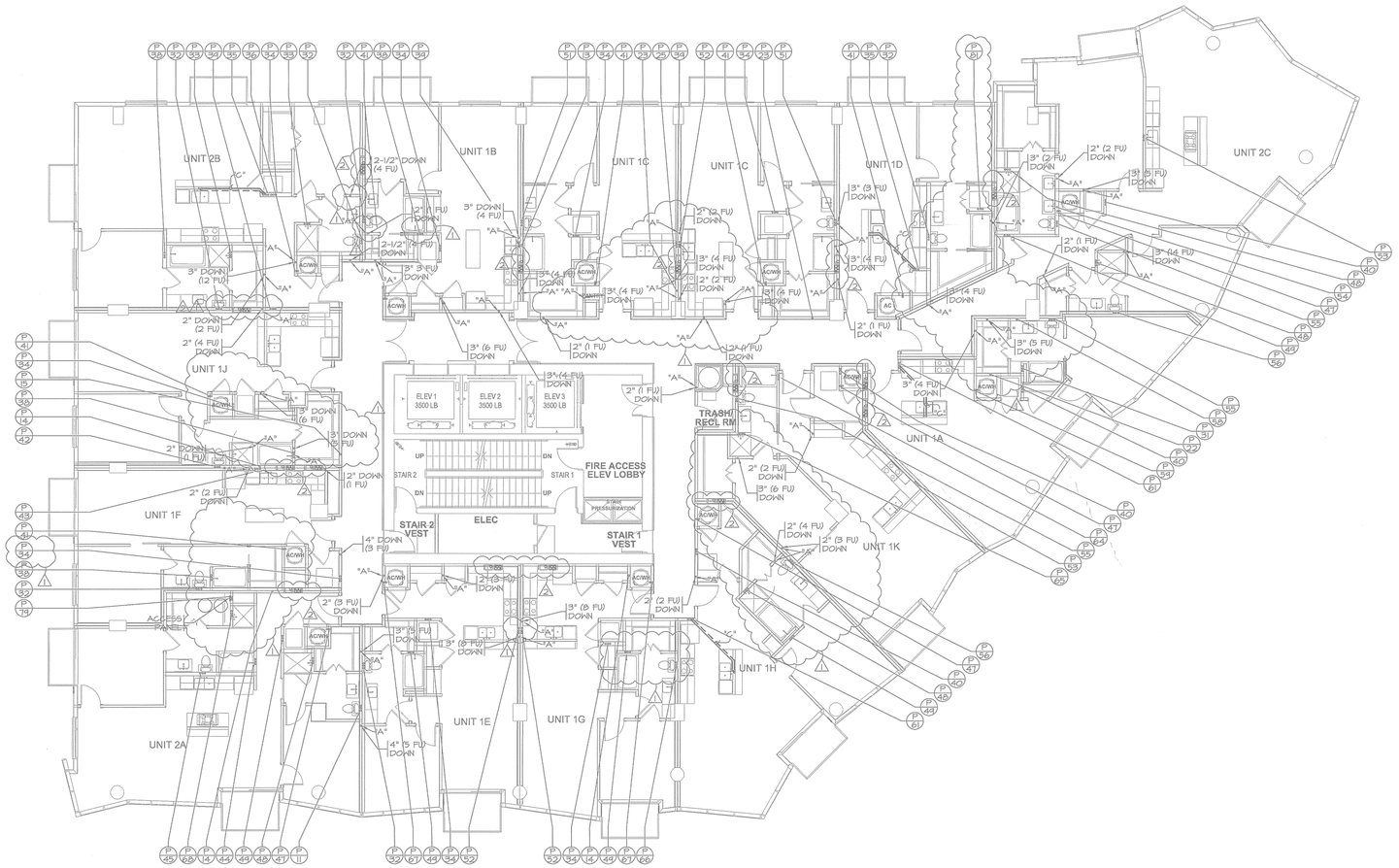
PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN HALL WITH A HINGED NON-LATCHING ACCESS PANEL.
2. ALL VERTICAL AND HORIZONTAL SANITARY WASTE PIPING ABOVE FLOOR TO BE INSULATED - 1 1/2" INSULATION WITH VAPOR BARRIER.
3. SANITARY SEWER, FIRE PROTECTION LINE & DOMESTIC WATER SERVICE VARY AT EACH BLDG. CONTR. TO VERIFY EXACT SERVICE POINTS WITH CIVIL DRAWINGS & SITE UTILITY PLAN PRIOR TO INSTALLATION OF LINES.

NOTES

- (A) UP IN WALL TO ABOVE CLG.
- (B) PIPING @ CEILING AS HIGH AS POSSIBLE
- (C) PIPING BELOW FLOOR

- 1 - UPDATED BACKGROUND
  - ADJUSTED PLUMBING
  - CORRECTED NORTH ARROW
- 2 - UPDATED BACKGROUND
  - ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GM PLUMBING
- 3 - CORRECTED BUILDING KEY



BUILDING - LEVEL 17 - WASTEWATER

1/8" = 1'-0"

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES

REVIEWED WSW DATE 7-2-13

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BUILDING LEVEL KEY

ROOF	
LEVEL 24	LOFT UNITS (L2)
LEVEL 23	LOFT UNITS (L1)
LEVEL 22	
LEVEL 21	
LEVEL 20	
LEVEL 19	
LEVEL 18	
LEVEL 17	TYPICAL UNITS
LEVEL 16	
LEVEL 15	
LEVEL 14	
LEVEL 13	
LEVEL 12	
LEVEL 11	
LEVEL 10	
LEVEL 9	CLUB/ TERRACE UNITS
LEVEL 8	
LEVEL 6	
LEVEL 5	PARKING GARAGE
LEVEL 4	
LEVEL 3	
LEVEL 2	
LEVEL 1	
LEVEL 61	

NORTH

515 CONGRESS AVE
SUITE 1600
AUSTIN, TEXAS 78701

512.473.8923
512.473.0177

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7th & Rio Grande Apartments

615 West 7th Street
Austin, Texas 78701

PROJECT NUMBER - 111009

OWNER
BEHRINGER HARVARD
CWS CAPITAL PARTNERS LLC
9606 N. Mopac Expwy, Suite 500
Austin, Texas 78759
512.837.3028 p

GENERAL CONTRACTOR
J.E. DUNN CONSTRUCTION
901 S. Mopac Expressway
Barton Oaks Plaza II , Ste. 375
Austin, TX 78746
512.687.6119

ARCHITECT
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512.473.0923 p

CIVIL ENGINEER
BURY + PARTNERS
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Austin, TX 78702
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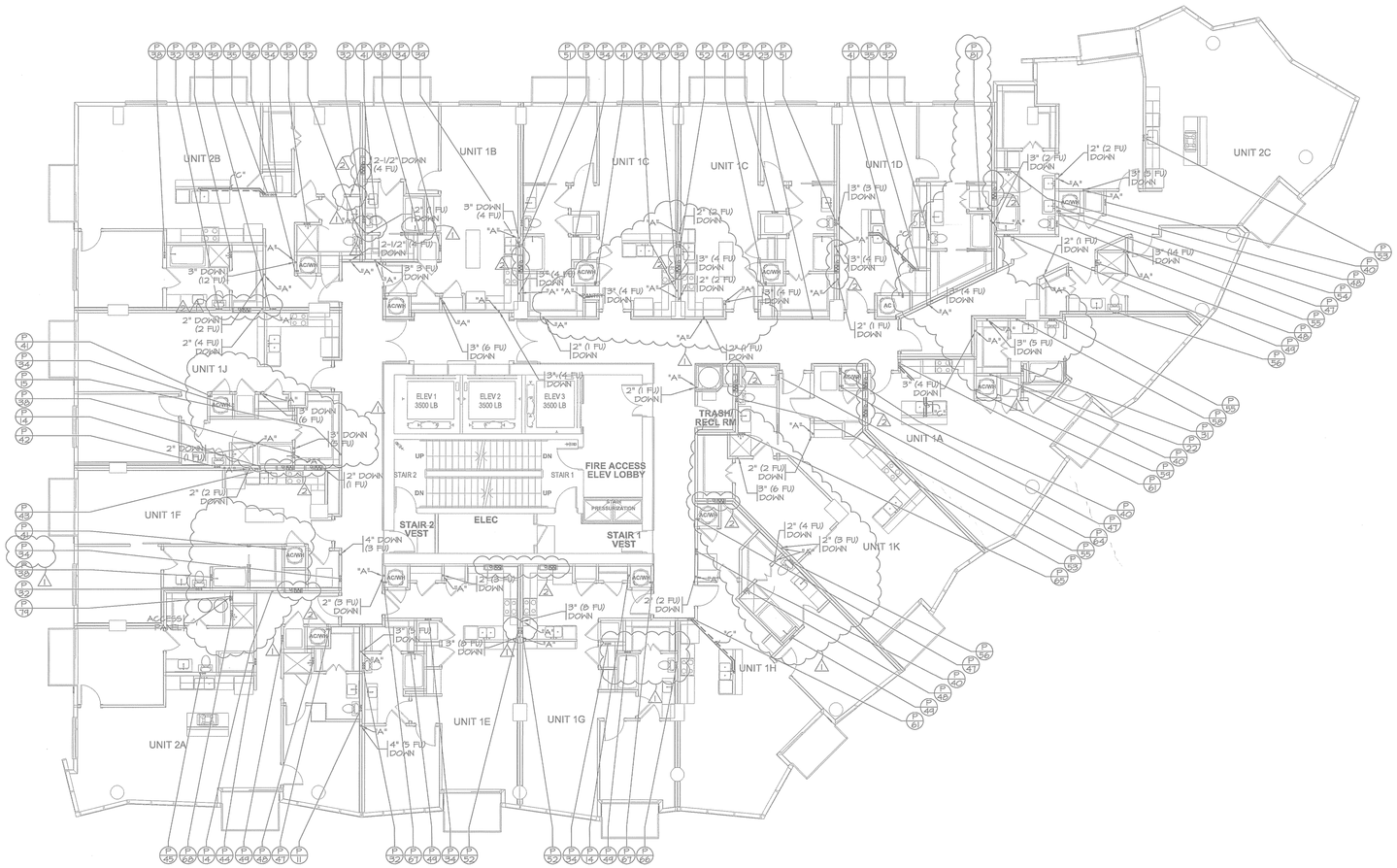
EN,INC. F-2473 06/12/13

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BUILDING - LEVEL 17 WASTEWATER

PW2.17



BUILDING - LEVEL 17 - WASTEWATER

1/8" = 1'-0"

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW0.40A AND PW0.40B FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN HALL WITH A HINGED NON-LATCHING ACCESS PANEL.
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3 - CORRECTED BUILDING KEY

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LEVEL 2	
LEVEL 1	
LEVEL 61	

NORTH

515 CONGRESS AVE
SUITE 1600
AUSTIN, TEXAS 78701

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512.473.0177

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STATE OF TEXAS

EN,INC. F-2473 06/12/13

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BUILDING - LEVEL 17 WASTEWATER

PW2.17

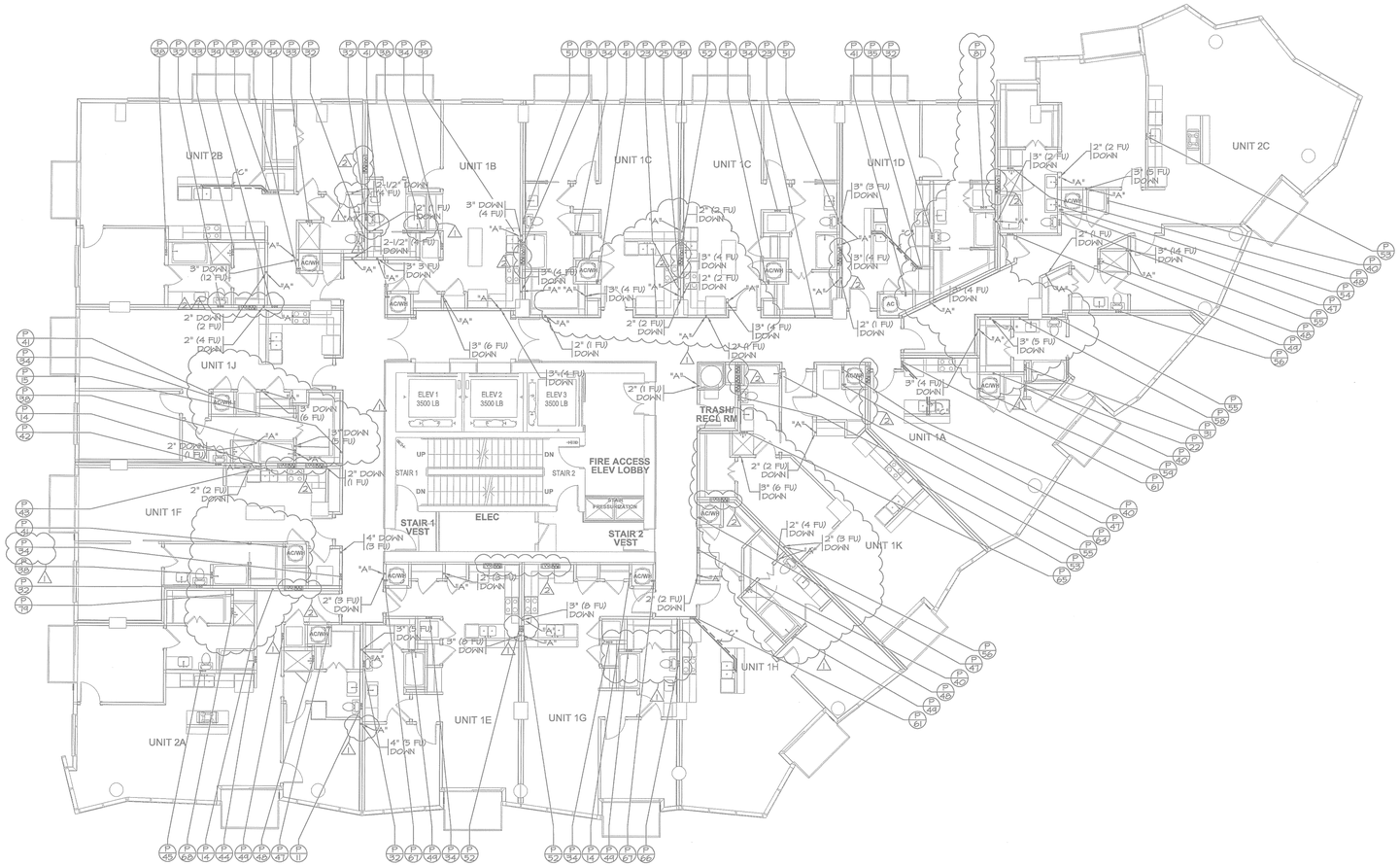
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3. - CORRECTED BUILDING KEY



BUILDING - LEVEL 18 - WASTEWATER

1/8" = 1'-0"

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512.473.0127

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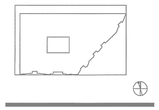
CIVIL ENGINEER
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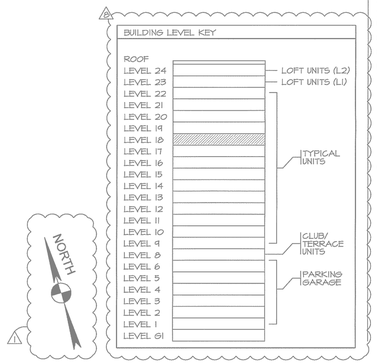
DAVID EDWARD NICHOLS
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ALL PLUMBING
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REVIEWED BY [illegible] DATE 7-22-13
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BUILDING - LEVEL 18 WASTEWATER

PW2.18

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW2.40 AND PW2.50 FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLBG NOTES

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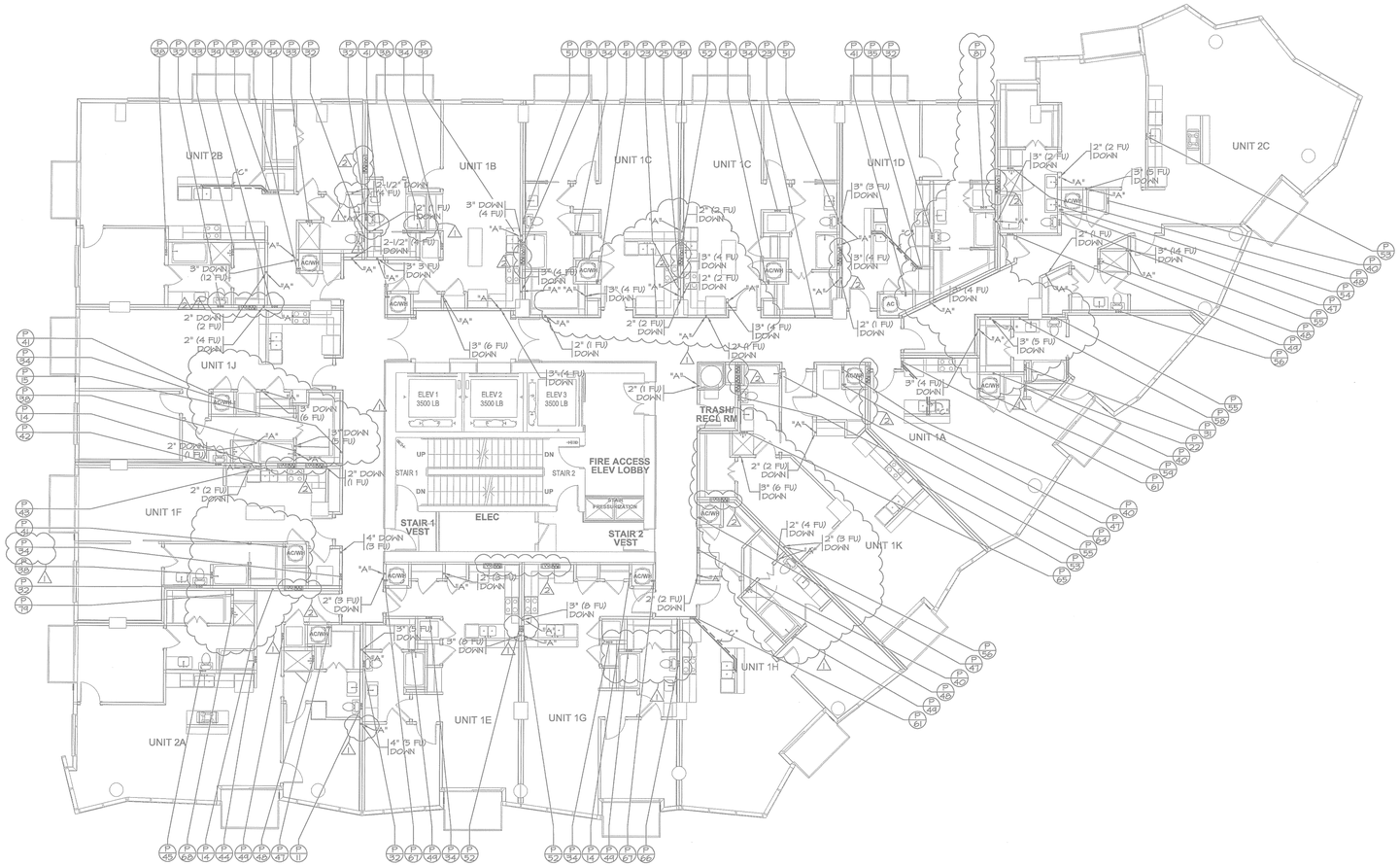
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- ADJUSTED PLUMBING
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2 - UPDATED BACKGROUND
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3 - CORRECTED BUILDING KEY



BUILDING - LEVEL 18 - WASTEWATER

1/8" = 1'-0"

515 CONGRESS AVE
SUITE 1600
AUSTIN, TEXAS 78701

512.473.0923
512.473.0177

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BUILDING LEVEL KEY

- ROOF
- LEVEL 24 — LOFT UNITS (L2)
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- LEVEL 22
- LEVEL 21
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- LEVEL 16
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- LEVEL 9
- LEVEL 8 — CLUB/ TERRACE UNITS
- LEVEL 6
- LEVEL 5
- LEVEL 4
- LEVEL 3
- LEVEL 2 — PARKING GARAGE
- LEVEL 1
- LEVEL S1

NORTH

BUILDING - LEVEL 18 WASTEWATER

PW2.18

PLBG NOTES

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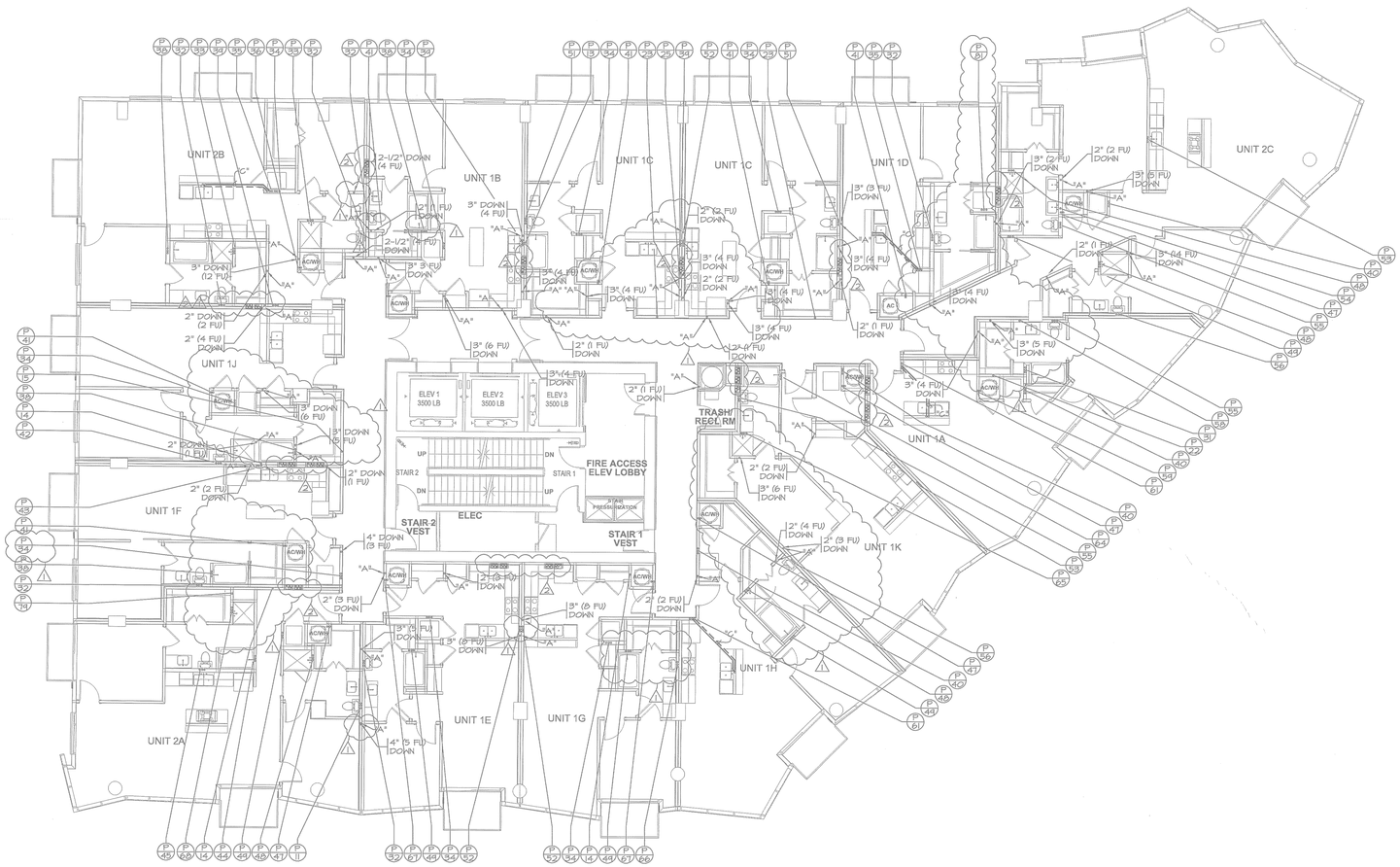
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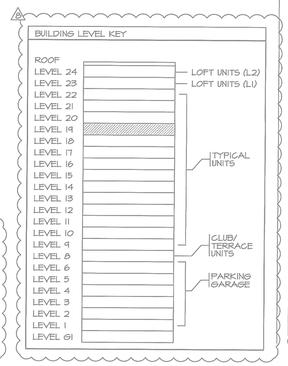
BUILDING - LEVEL 19 - WASTEWATER

1/8" = 1'-0"

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REVIEWED _____ DATE 8-2-13

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BUILDING - LEVEL 19 WASTEWATER

PW2.19

GRAY WATER WASTE SYSTEM NOTES

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2. ALL VERTICAL AND HORIZONTAL SANITARY WASTE PIPING ABOVE FLOOR TO BE INSULATED - 1 1/2" INSULATION WITH VAPOR BARRIER.
3. SANITARY SEWER, FIRE PROTECTION LINE & DOMESTIC WATER SERVICE VARY AT EACH BLDG. CONTR. TO VERIFY EXACT SERVICE POINTS WITH CIVIL DRAWINGS & SITE UTILITY PLAN PRIOR TO INSTALLATION OF LINES.

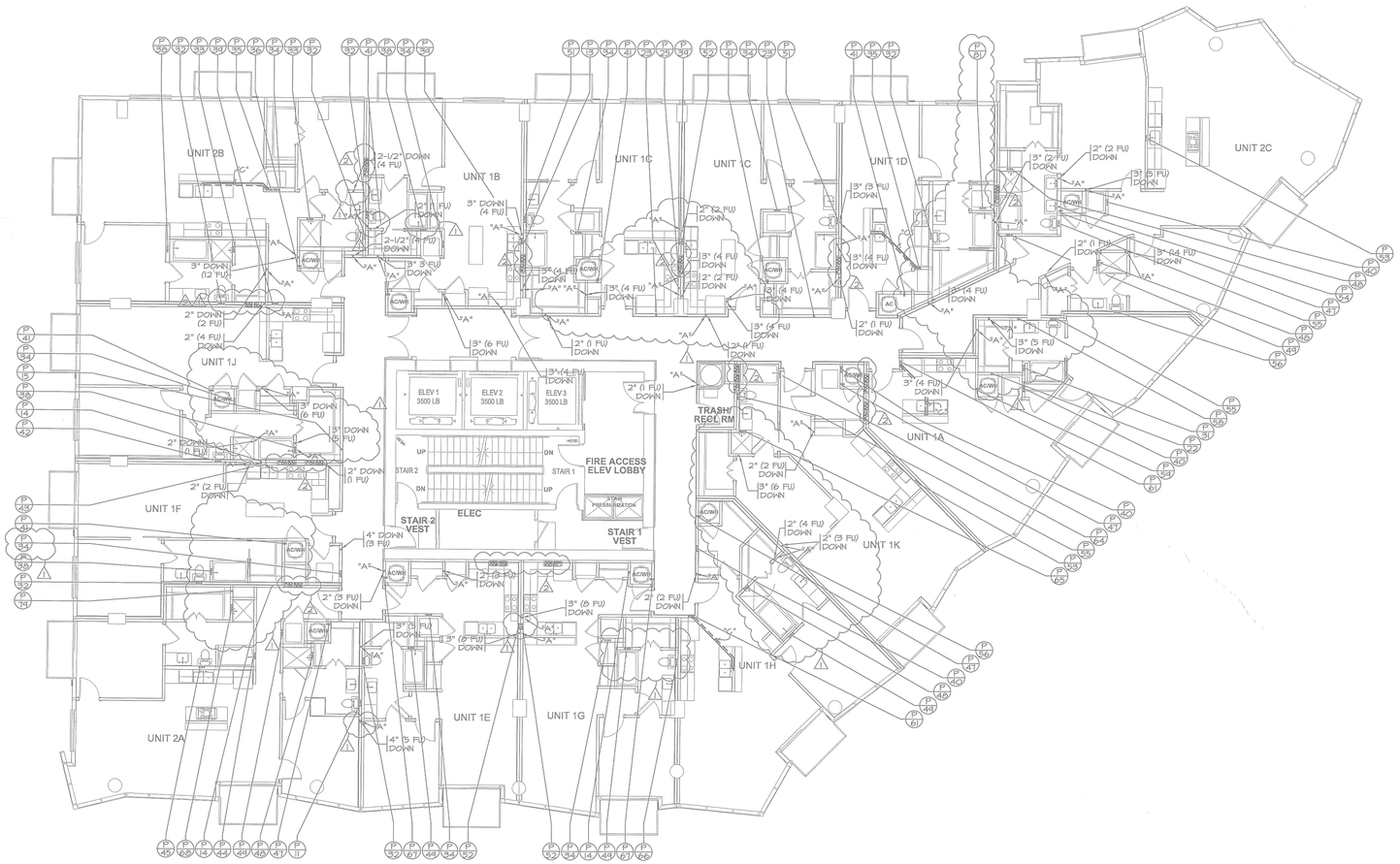
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- (C) PIPING BELOW FLOOR

1 - UPDATED BACKGROUND
- ADJUSTED PLUMBING
- CORRECTED NORTH ARROW

2 - UPDATED BACKGROUND
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN CM PLUMBING

3 - CORRECTED BUILDING KEY


UNIT 2B
UNIT 1B
UNIT 1C
UNIT 1C
UNIT 1D
UNIT 2C
UNIT 1J
UNIT 1F
UNIT 2A
UNIT 1E
UNIT 1G
UNIT 1H
UNIT 1K
UNIT 1A
ELEV 1 3500 LB
ELEV 2 3500 LB
ELEV 3 3500 LB
TRASH/ RECY. RM
FIRE ACCESS ELEV LOBBY
STAIR 1 PRESSURIZATION
STAIR 1 VEST
STAIR 2 VEST
STAIR 2
STAIR 1
ELEC
2-1/2" DOWN (4 FU)
3" DOWN (4 FU)
3" DOWN (12 FU)
2" DOWN (2 FU)
2" DOWN (4 FU)
3" (6 FU) DOWN
3" (4 FU) DOWN
2" (1 FU) DOWN
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4" DOWN (3 FU)
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2" (4 FU) DOWN
2" (3 FU) DOWN
4" (5 FU) DOWN
ACWH
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"A2"
"A3"
"A4"
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"A37"
"A38"
"A39"
"A40"

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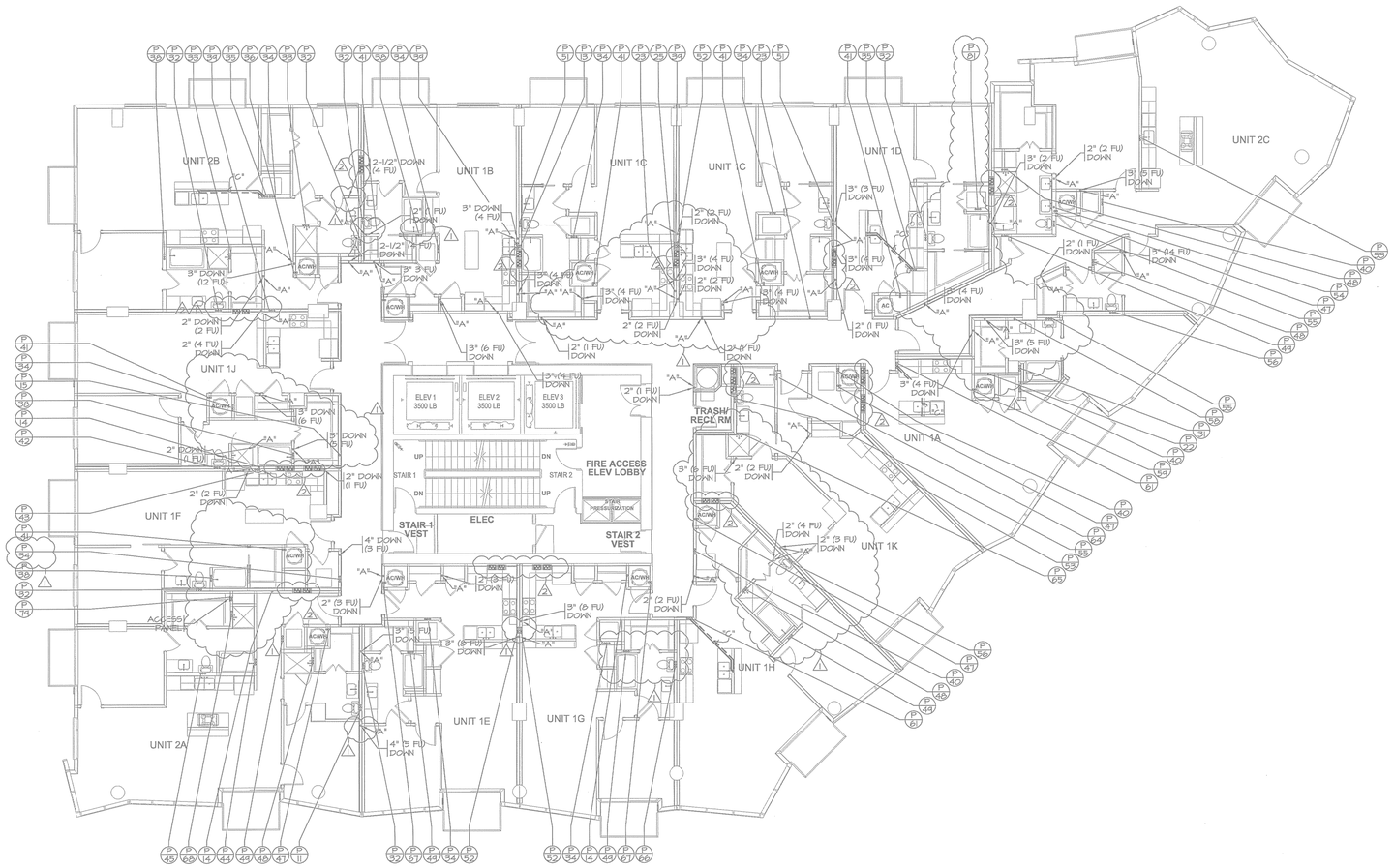
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3 - CORRECTED BUILDING KEY



BUILDING - LEVEL 20 - WASTEWATER

1/8" = 1'-0"

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REVIEWED DATE 2-2-13

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BUILDING LEVEL KEY

- ROOF
- LEVEL 24 — LOFT UNITS (L2)
- LEVEL 23 — LOFT UNITS (L1)
- LEVEL 22
- LEVEL 21
- LEVEL 20
- LEVEL 19
- LEVEL 18
- LEVEL 17
- LEVEL 16
- LEVEL 15
- LEVEL 14
- LEVEL 13
- LEVEL 12
- LEVEL 11
- LEVEL 10
- LEVEL 9
- LEVEL 8 — TYPICAL UNITS
- LEVEL 7
- LEVEL 6 — CLUB/ TERRACE UNITS
- LEVEL 5
- LEVEL 4
- LEVEL 3 — PARKING GARAGE
- LEVEL 2
- LEVEL 1
- LEVEL G1

NORTH

RHODE PARTNERS
515 CONGRESS AVE
SUITE 1608
AUSTIN, TEXAS 78701
512.473.0923
512.473.9177

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7th & Rio Grande Apartments

615 West 7th Street
Austin, Texas 78701

PROJECT NUMBER - 111009

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BEHRINGER HARVARD
CWS CAPITAL PARTNERS LLC
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512.837.3028 p

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J.E. DUNN CONSTRUCTION
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Austin, TX 78746
512.687.6119

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ARCHITECTURAL ENGINEERS COLLABORATIVE
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512.472.2111 p

MEP ENGINEER
EN-INCORPORATED
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INTERIOR DESIGNER
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Addison, TX 75001
972.233.9100

LANDSCAPE ARCHITECT
D CRAIN
1521 Willow Street
Austin, TX 78702
512.480.8008 p

DAVID EDWARD NICHOLS
102295
LICENSED PROFESSIONAL ENGINEER
EN,INC. F-2473 06/12/13

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ISSUED FOR CONSTRUCTION	02/01/2013
ISSUED FOR CONSTRUCTION	02/07/2013
REVISION #7	05/20/2013
REVISION #8	06/12/2013
DESCRIPTION	**DATE**

BUILDING - LEVEL 20 WASTEWATER

PW2.20

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW5.40R AND PW5.50R FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLBG NOTES

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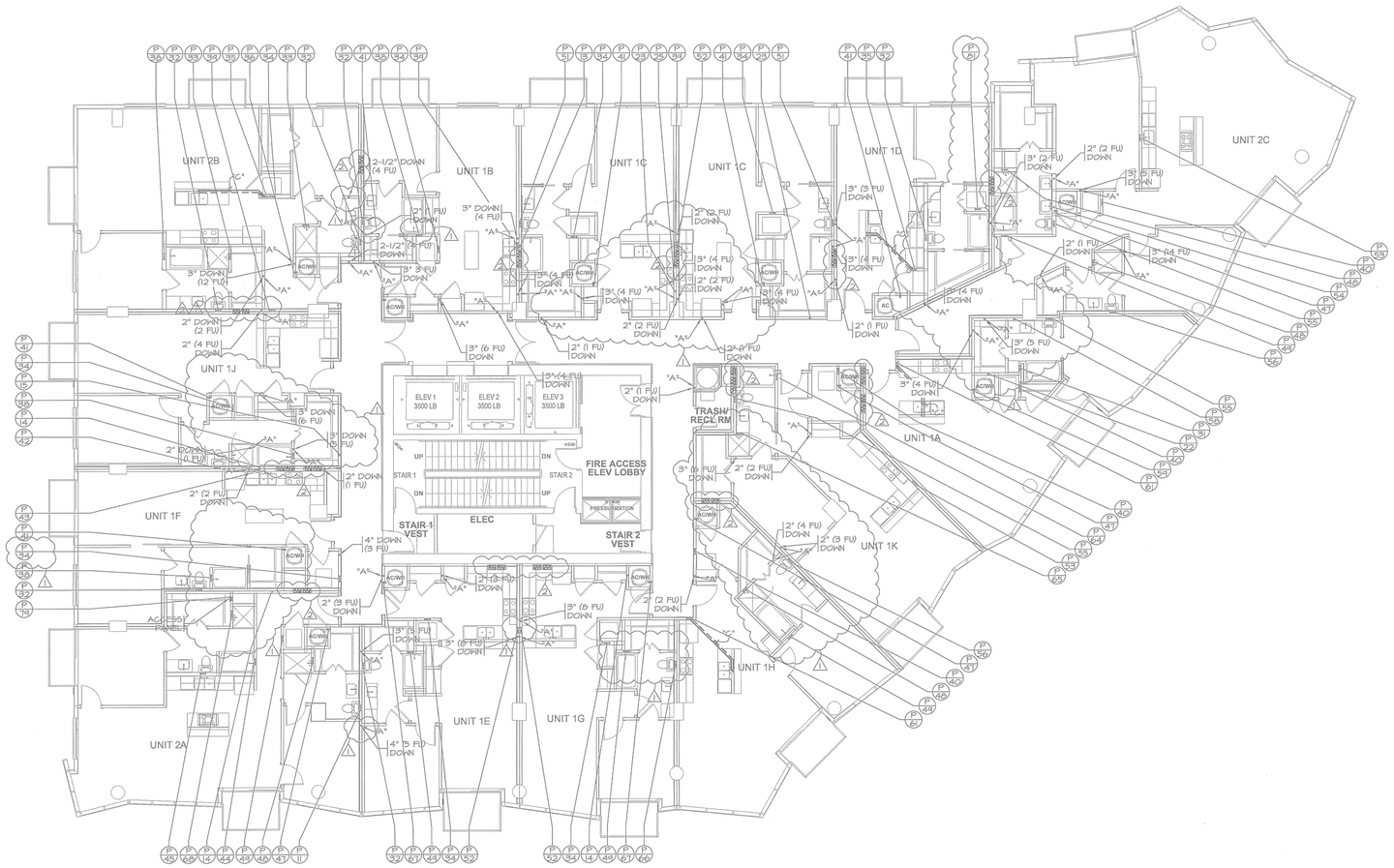
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STAIR 2 VEST
ACCESS PANEL
2-1/2" DOWN (4 FU)
3" DOWN (4 FU)
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2" DOWN (4 FU)
3" DOWN (12 FU)
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3" (8 FU) DOWN
2" (5 FU) DOWN
3" (6 FU) DOWN
3" (4 FU) DOWN
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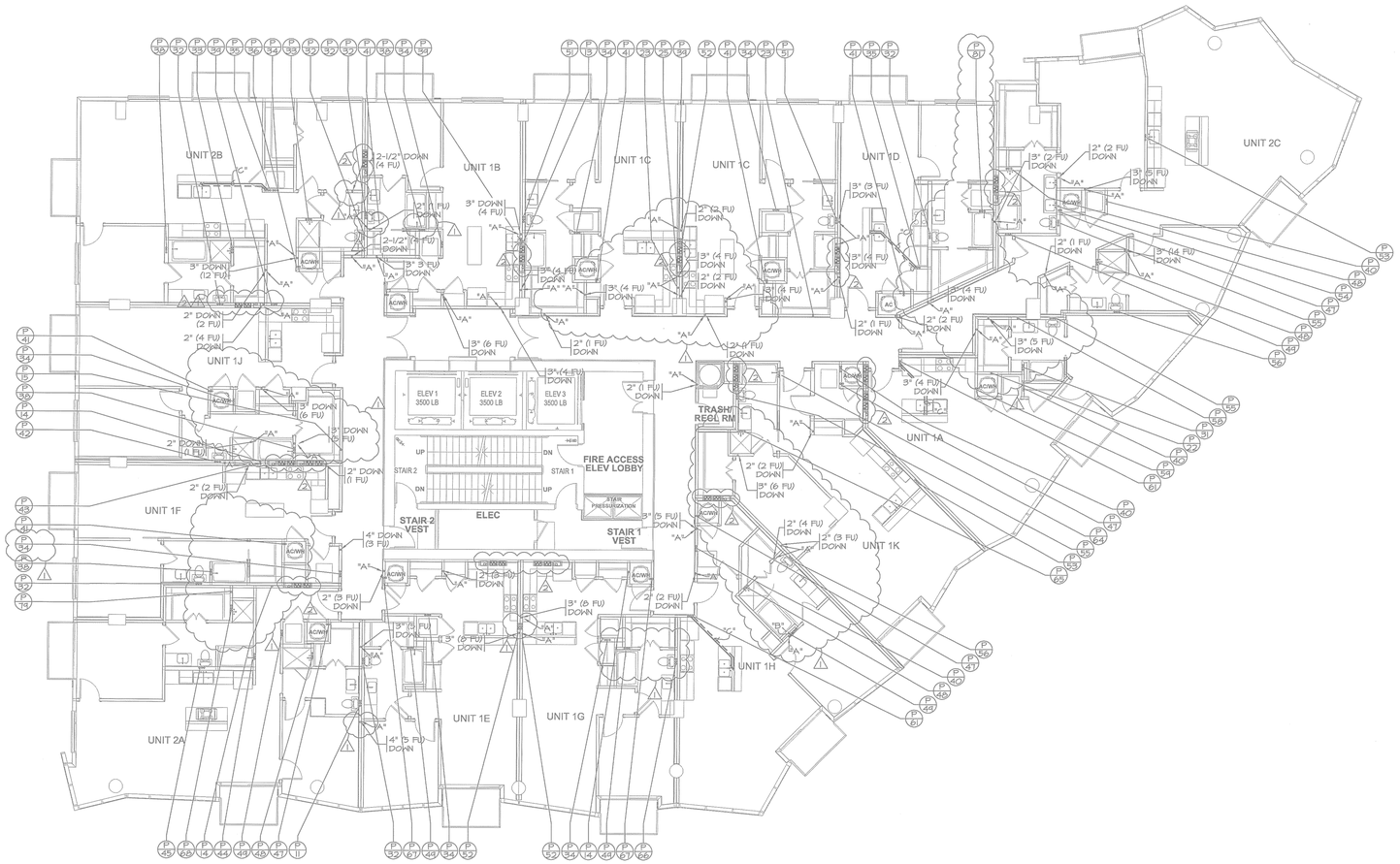
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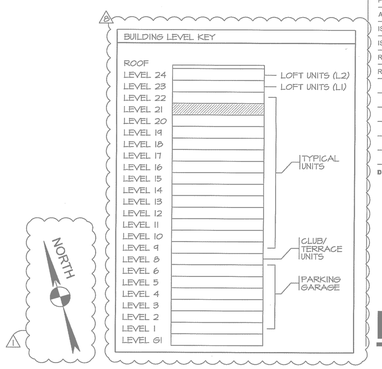
BUILDING - LEVEL 21 - WASTEWATER

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512 473 0177

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GENERAL CONTRACTOR
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MEP ENGINEER
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Austin, Texas 78729
512.918.9315 p

INTERIOR DESIGNER
KEATON INTERIORS
4901 Keller Springs Rd. Ste. 106B
Addison, TX 75001
972.233.9100

LANDSCAPE ARCHITECT
D CRAIN
1621 Willow Street
Austin, TX 78702
512.450.6008 p





EN,INC. F-2473 06/12/13

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ISSUED FOR CONSTRUCTION	02/07/2013
REVISION #7	05/20/2013
REVISION #8	06/12/2013

BUILDING - LEVEL 21 WASTEWATER

PW2.21

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW0.ROOF AND PW2.LOW FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

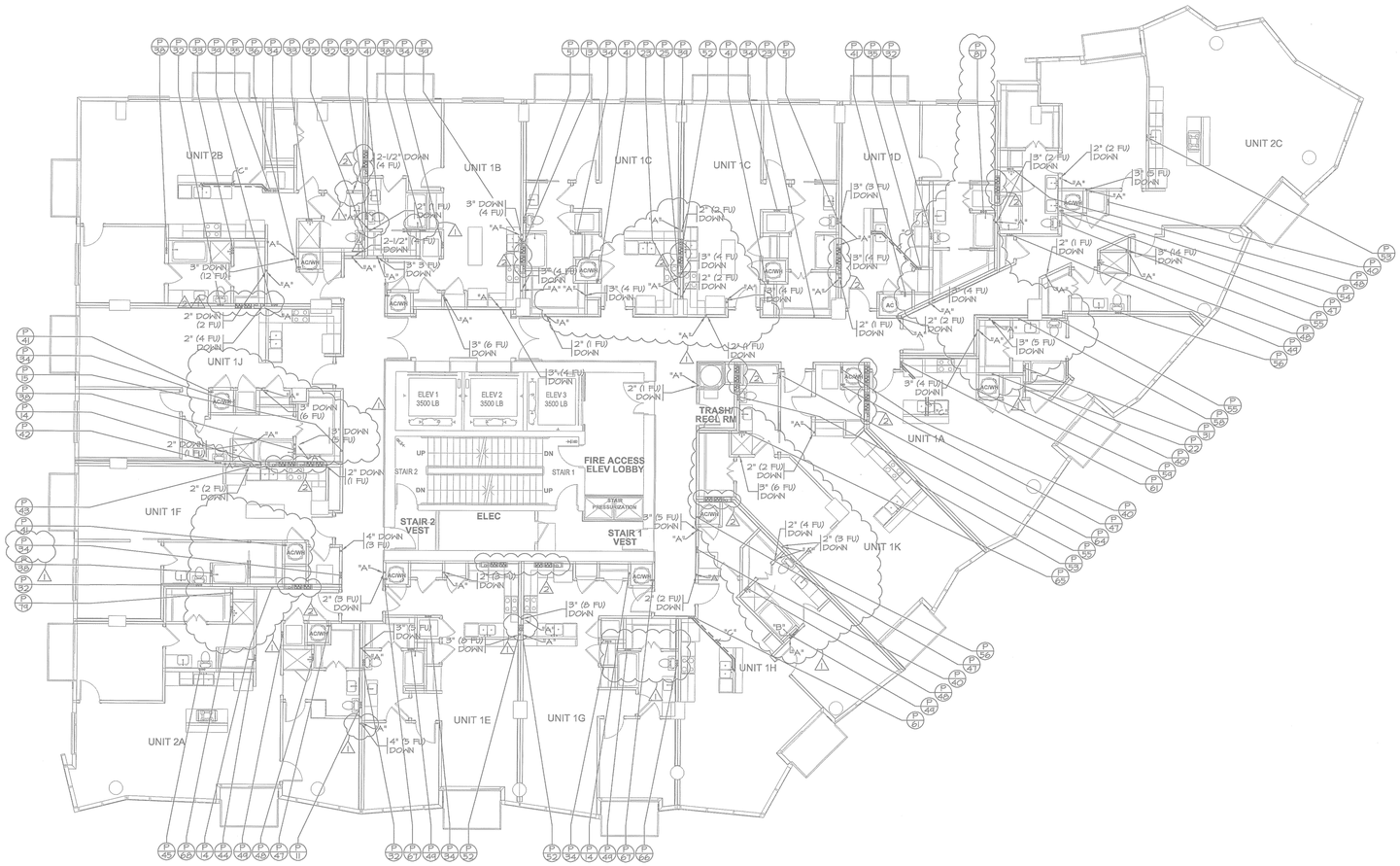
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   - CORRECTED NORTH ARROW
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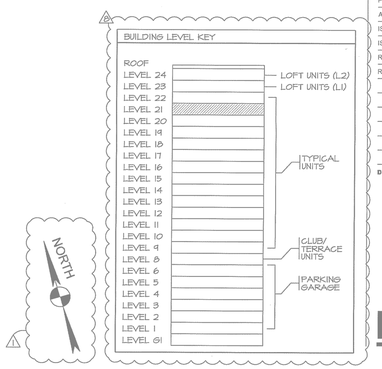
BUILDING - LEVEL 21 - WASTEWATER

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512.837.3028 p

GENERAL CONTRACTOR
J.E. GUNN CONSTRUCTION
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ARCHITECT
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REVISION #8	06/12/2013

BUILDING - LEVEL 21 WASTEWATER

PW2.21

PLBG NOTES

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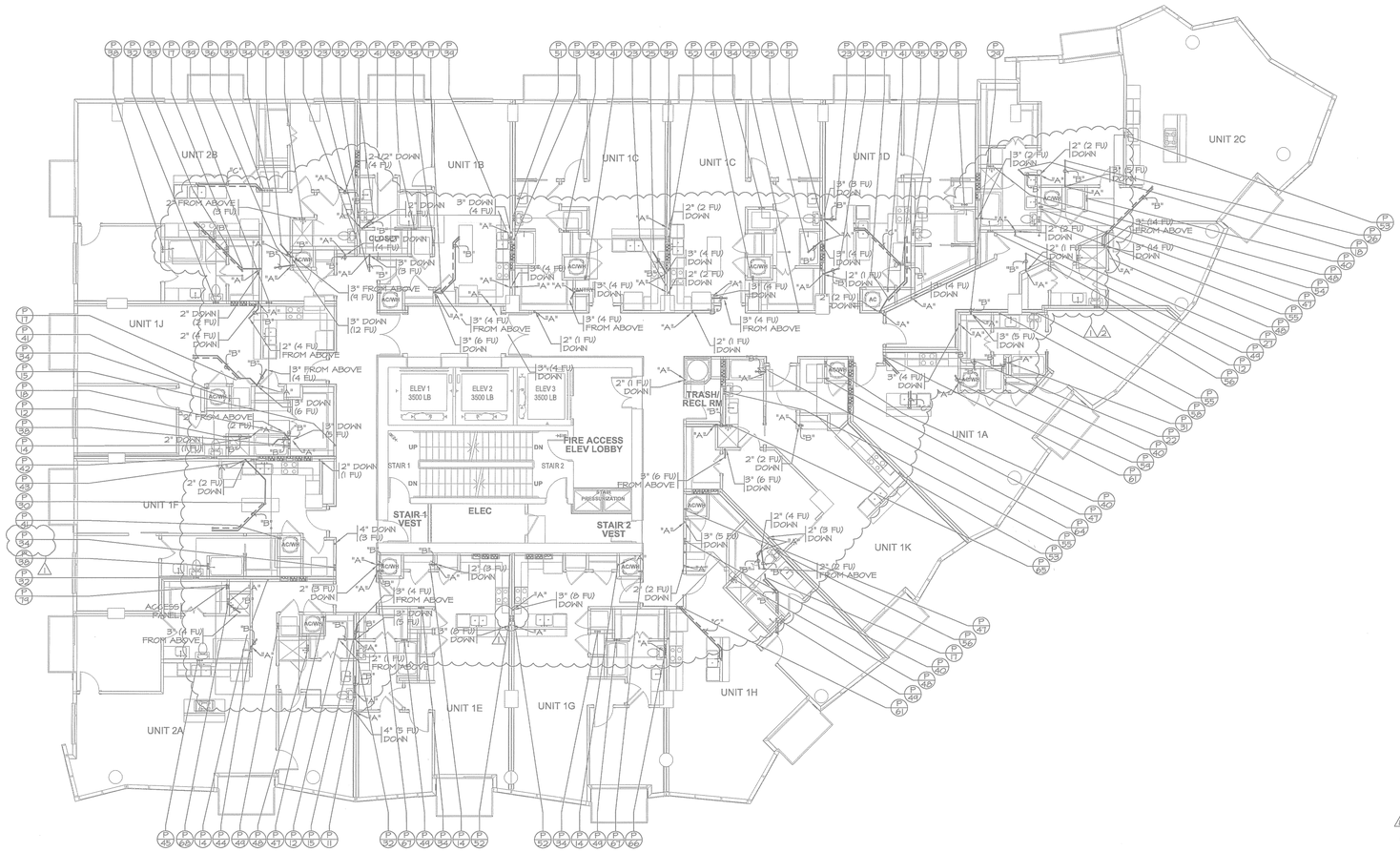
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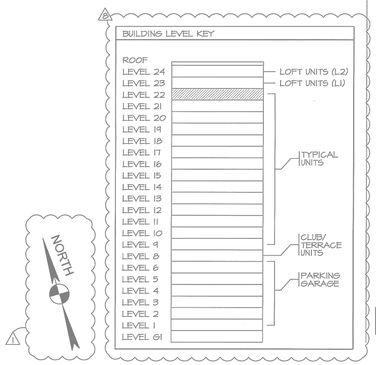
BUILDING - LEVEL 22 - WASTEWATER

1/8" = 1'-0"

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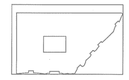
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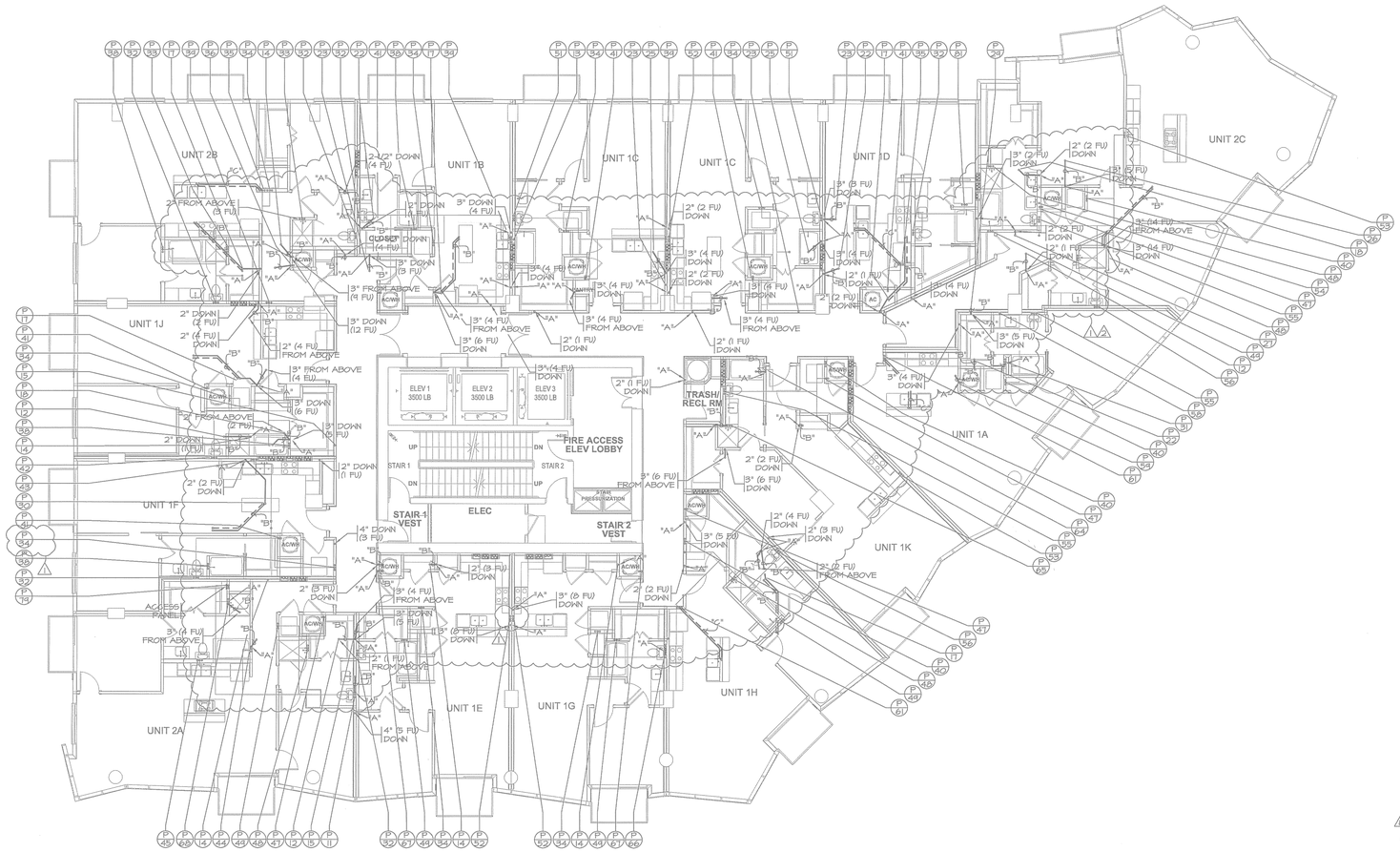
EN,INC. F-2473 06/12/13

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REVISION #8	06/12/2013

BUILDING - LEVEL 22 WASTEWATER

PW2.22



BUILDING - LEVEL 22 - WASTEWATER

1/8" = 1'-0"

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS PW1.40W AND PW2.50W FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN WALL WITH A HINGED NON-LATCHING ACCESS PANEL.
2. ALL VERTICAL AND HORIZONTAL SANITARY WASTE PIPING ABOVE FLOOR TO BE INSULATED - 1 1/2" INSULATION WITH VAPOR BARRIER.
3. SANITARY SEWER, FIRE PROTECTION LINE & DOMESTIC WATER SERVICE VARY AT EACH BLDG. CONTR. TO VERIFY EXACT SERVICE POINTS WITH CIVIL DRAWINGS & SITE UTILITY PLAN PRIOR TO INSTALLATION OF LINES.

NOTES

- (A) UP IN WALL TO ABOVE CLG.
- (B) PIPING @ CEILING AS HIGH AS POSSIBLE
- (C) PIPING BELOW FLOOR

1 - UPDATED BACKGROUND
- ADJUSTED PLUMBING
- CORRECTED NORTH ARROW

2 - UPDATED BACKGROUND
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GK PLUMBING

3 - CORRECTED BUILDING KEY

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES.

REVIEWED WSA DATE 12-12-13

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ROOF
LEVEL 24
LEVEL 23 — LOFT UNITS (L2)
LEVEL 22 — LOFT UNITS (L1)
LEVEL 21
LEVEL 20
LEVEL 19
LEVEL 18
LEVEL 17
LEVEL 16
LEVEL 15
LEVEL 14
LEVEL 13
LEVEL 12
LEVEL 11
LEVEL 10 — TYPICAL UNITS
LEVEL 9
LEVEL 8
LEVEL 7
LEVEL 6 — CLUB/ TERRACE UNITS
LEVEL 5
LEVEL 4
LEVEL 3
LEVEL 2 — PARKING GARAGE
LEVEL 1
LEVEL G1

NORTH

515 CONGRESS AVE
SUITE 1600
AUSTIN, TEXAS 78701
512.473.0923
512.473.9177

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7th & Rio Grande Apartments

615 West 7th Street
Austin, Texas 78701

PROJECT NUMBER - 111009

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BEHRINGER HARVARD
CWS CAPITAL PARTNERS LLC
9606 N. Mopac Expwy, Suite 500
Austin, Texas 78759
512.837.3028 p

GENERAL CONTRACTOR
J.E. DUNN CONSTRUCTION
901 S. Mopac Expressway
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Austin, TX 78746
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ARCHITECT
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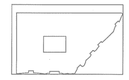
CIVIL ENGINEER
BURY + PARTNERS
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512.791.3311 p

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512.472.2111 p

MEP ENGINEER
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512.918.9315 p

INTERIOR DESIGNER
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Addison, TX 75001
972.233.9100

LANDSCAPE ARCHITECT
D CRAIN
1821 Willow Street
Austin, TX 78702
512.460.8008 p





EN,INC. F-2473 06/12/13

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BUILDING - LEVEL 22 WASTEWATER

PW2.22

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN HALL WITH A HINGED NON-LATCHING ACCESS PANEL.
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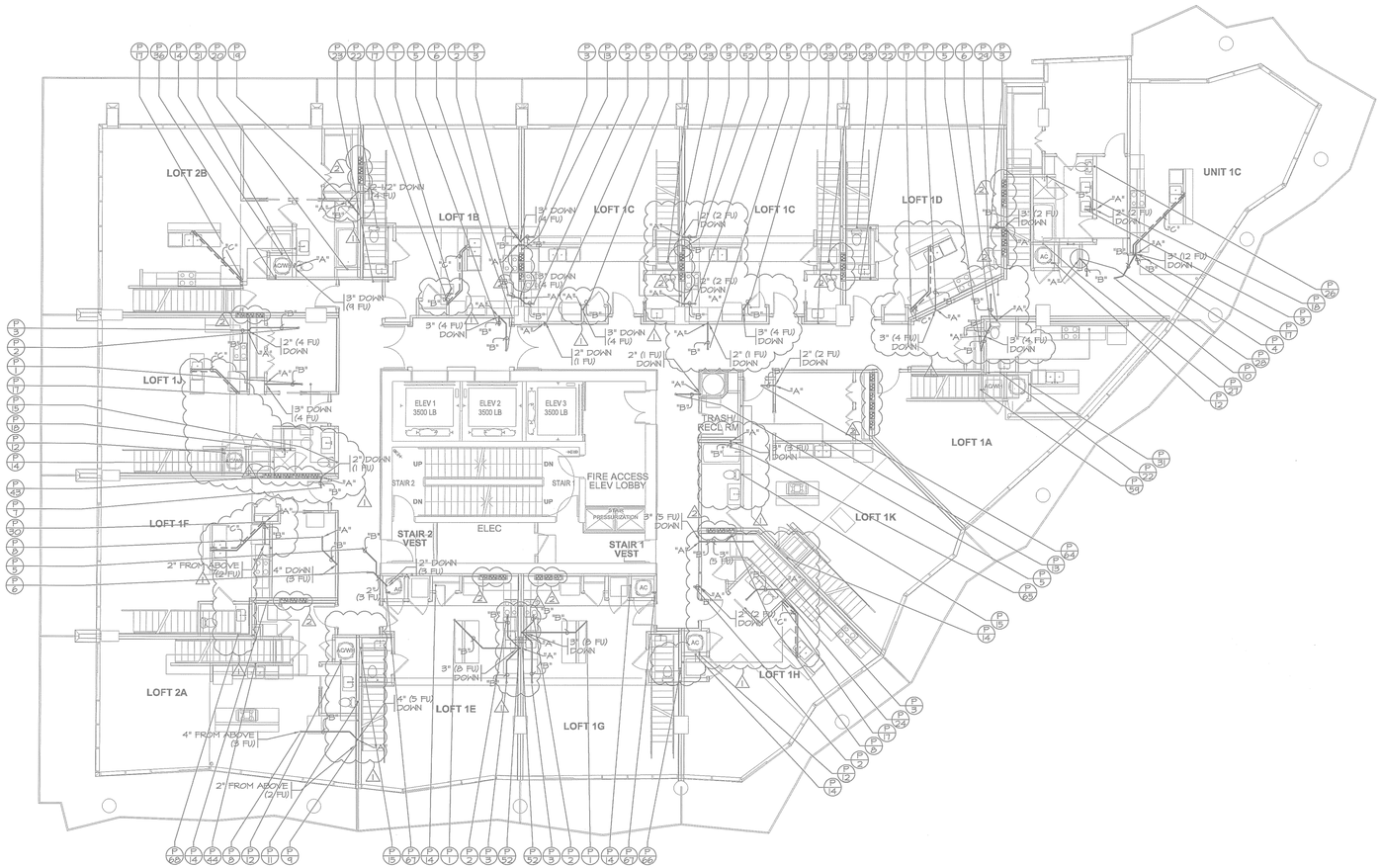
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- ADJUSTED PLUMBING
- CORRECTED NORTH ARROW

2 - UPDATED BACKGROUND
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GH PLUMBING

3 - CORRECTED BUILDING KEY



BUILDING - LEVEL 23 - WASTEWATER

1/8" = 1'-0"

515 CONGRESS AVE
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512.473.9177

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BUILDING LEVEL KEY

- ROOF
- LEVEL 24 — LOFT UNITS (L2)
- LEVEL 23 — LOFT UNITS (L1)
- LEVEL 22
- LEVEL 21
- LEVEL 20
- LEVEL 19
- LEVEL 18
- LEVEL 17
- LEVEL 16
- LEVEL 15
- LEVEL 14
- LEVEL 13
- LEVEL 12
- LEVEL 11
- LEVEL 10
- LEVEL 9
- LEVEL 8
- LEVEL 7
- LEVEL 6
- LEVEL 5
- LEVEL 4
- LEVEL 3
- LEVEL 2
- LEVEL 1
- LEVEL 61

TYPICAL UNITS
CLUB/ TERRACE UNITS
PARKING GARAGE

NORTH

BUILDING - LEVEL 23 WASTEWATER

PW2.23

GRAY WATER WASTE SYSTEM NOTES

REFER TO SHEETS P0.00A AND P0.00B FOR ADDITION OF GRAY WATER WASTE PIPING SYSTEM AND AND REVISIONS TO EXISTING BLACK WATER WASTE SYSTEM(S).

PLBG NOTES

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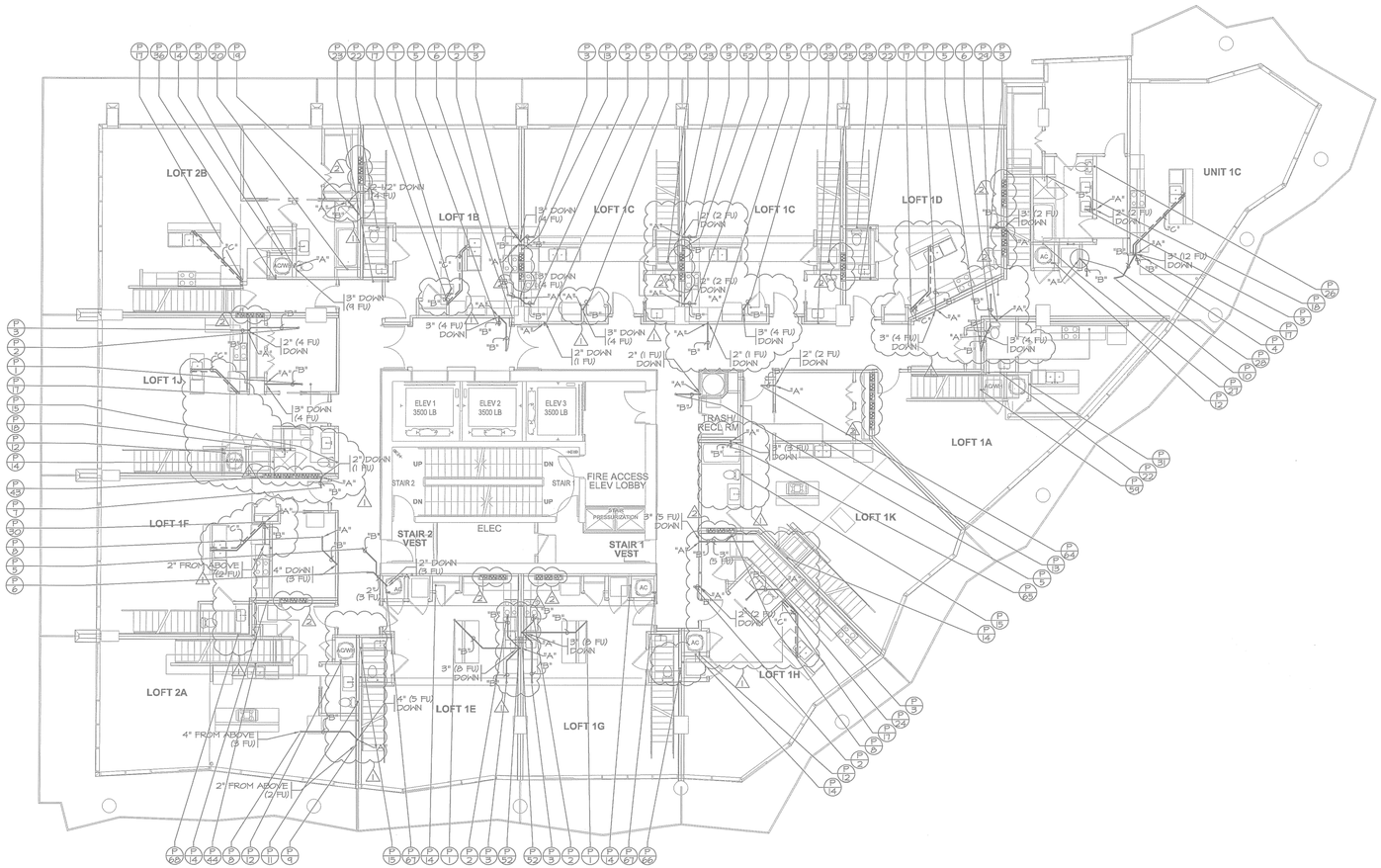
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- ADJUSTED PLUMBINGS
- CORRECTED NORTH ARROW

△2 - UPDATED BACKGROUND
- ADDED CONDENSER LINE SETS FOR COORDINATION BETWEEN GH PLUMBINGS

△3 - CORRECTED BUILDING KEY



BUILDING - LEVEL 23 - WASTEWATER

1/8" = 1'-0"

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△2 BUILDING LEVEL KEY

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LEVEL 22
LEVEL 21
LEVEL 20
LEVEL 19
LEVEL 18
LEVEL 17
LEVEL 16
LEVEL 15
LEVEL 14
LEVEL 13
LEVEL 12
LEVEL 11
LEVEL 10
LEVEL 9
LEVEL 8 — CLUB/ TERRACE UNITS
LEVEL 7
LEVEL 6 — PARKING GARAGE
LEVEL 5
LEVEL 4
LEVEL 3
LEVEL 2
LEVEL 1
LEVEL 61

TYPICAL UNITS

NORTH

RHODE PARTNERS
515 CONGRESS AVE
SUITE 1600
AUSTIN, TEXAS 78701
512.473.0923
512.473.9177

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7th & Rio Grande Apartments

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INTERIOR DESIGNER
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LANDSCAPE ARCHITECT
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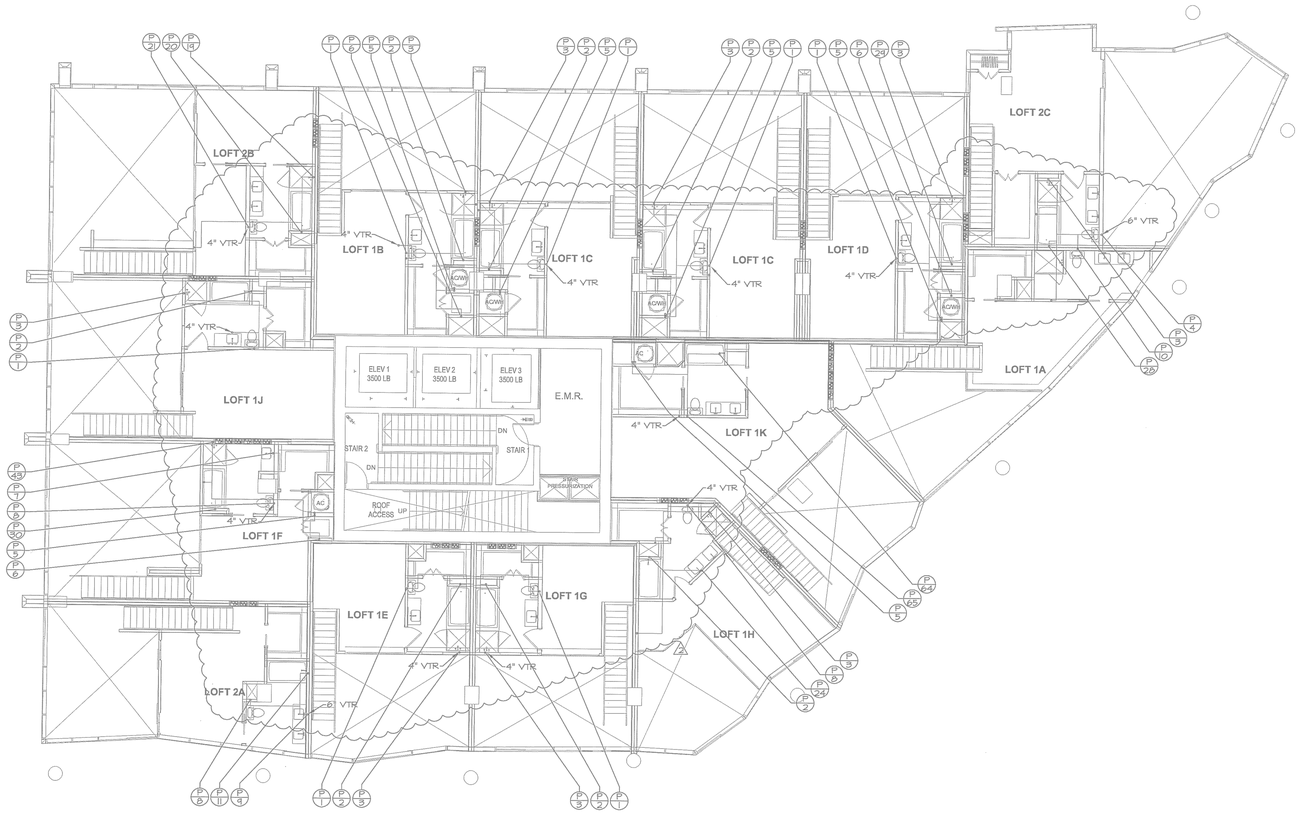
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BUILDING - LEVEL 23 WASTEWATER

PW2.23



BUILDING - LEVEL 24 - WASTEWATER

1/8" = 1'-0"

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN HALL WITH A HINGED NON-LATCHING ACCESS PANEL.
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LEVEL 16
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LEVEL 14
LEVEL 13
LEVEL 12
LEVEL 11
LEVEL 10
LEVEL 9
LEVEL 8
LEVEL 6
LEVEL 5
LEVEL 4
LEVEL 3
LEVEL 2
LEVEL 1
LEVEL B1

LOFT UNITS (L2)
LOFT UNITS (L1)
TYPICAL UNITS
CLUB/ TERRACE UNITS
PARKING GARAGE

NORTH

515 CONGRESS AVE
SUITE 1600
AUSTIN, TEXAS 78701
512.473.0923
512.473.0177

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512.837.3028 p

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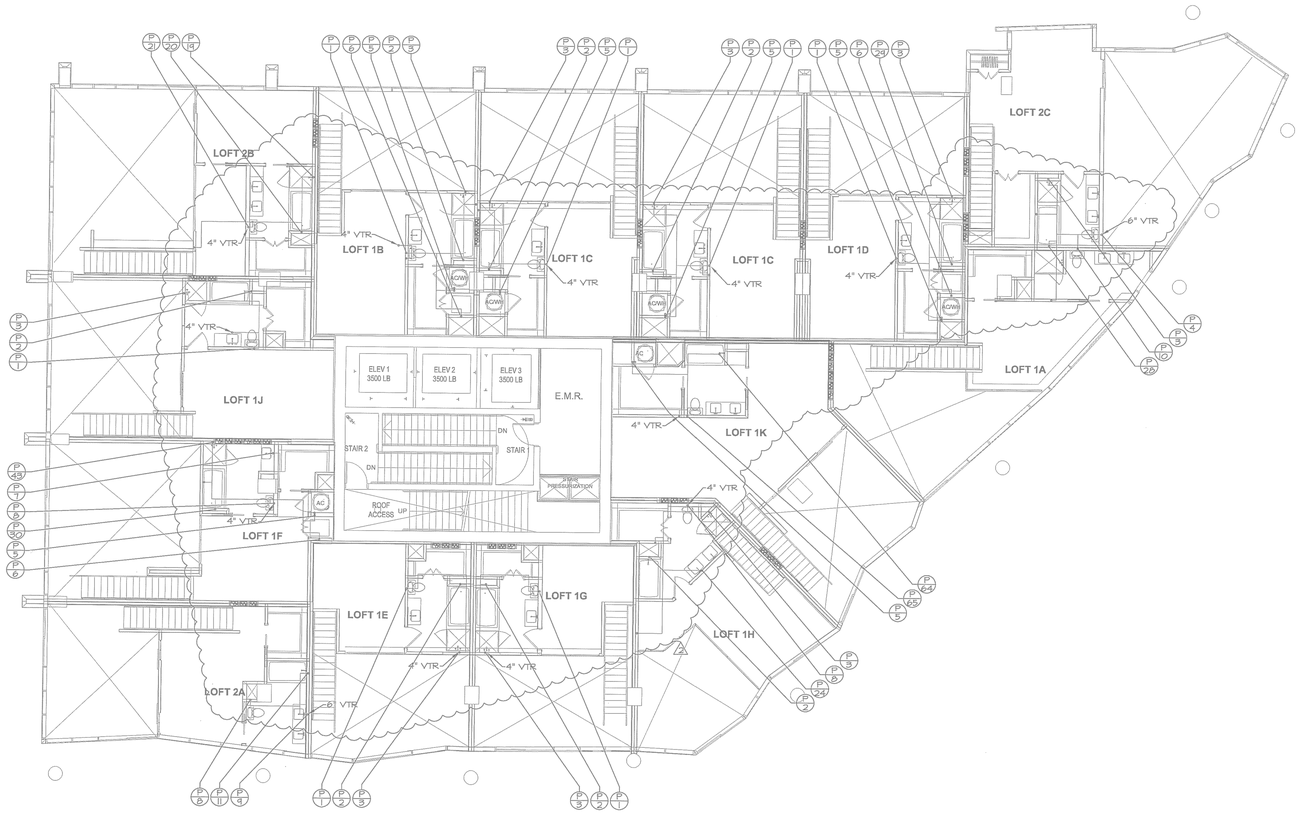
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BUILDING - LEVEL 24 WASTEWATER

PW2.24



BUILDING - LEVEL 24 - WASTEWATER

1/8" = 1'-0"

GRAY WATER WASTE SYSTEM NOTES

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LOFT UNITS (L2)
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BUILDING - LEVEL 24 WASTEWATER

PW2.24

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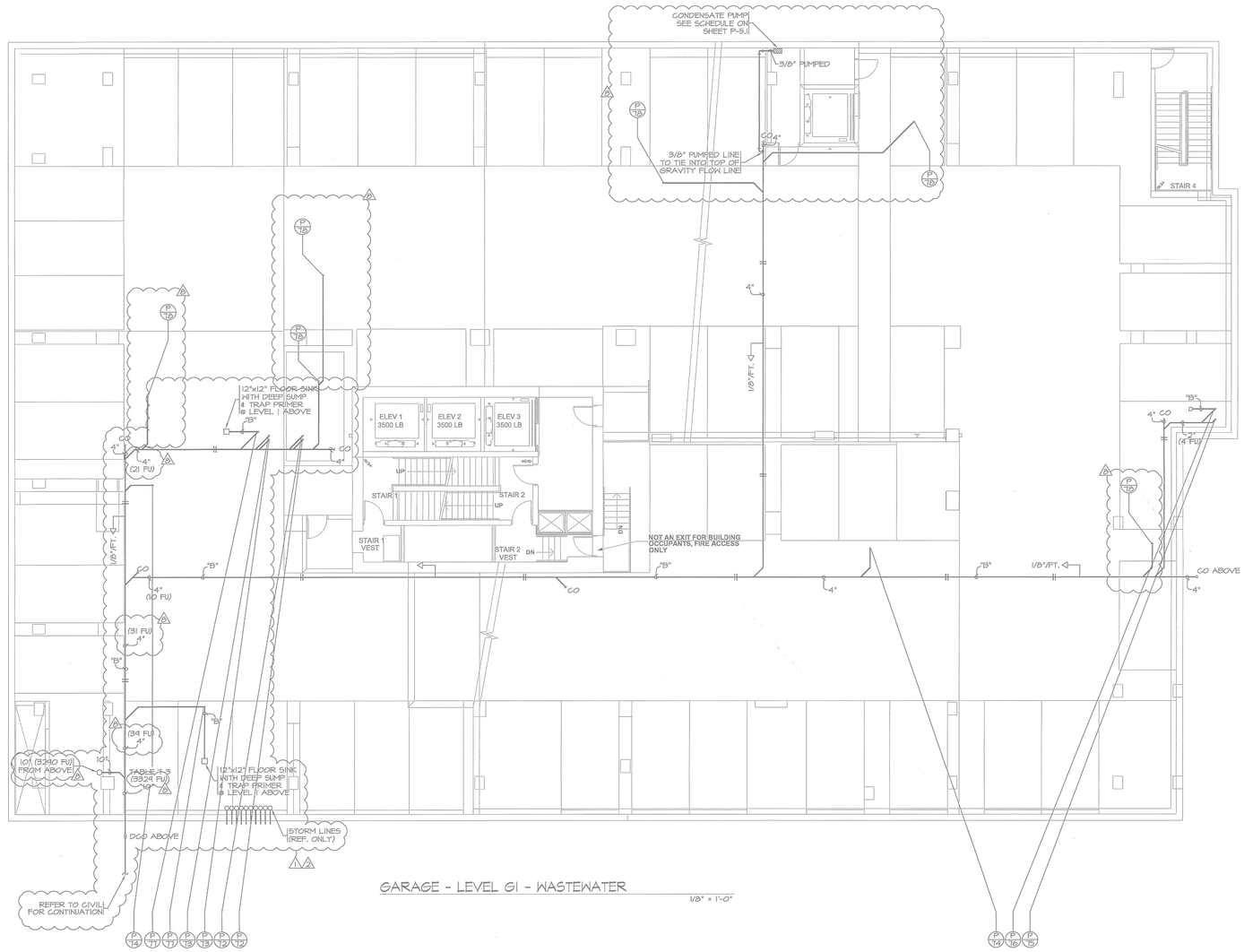
NOTES

- (A) UP IN HALL TO ABOVE CLG.
- (B) PIPING @ CEILING AS HIGH AS POSSIBLE
- (C) PIPING BELOW FLOOR.

1 - UPDATED BACKGROUND
- ADJUSTED PLUMBINS
- CORRECTED NORTH ARROW

2 - UPDATED BACKGROUND
- ADJUSTED PLUMBINS
- ADDED ADDITIONAL PLUMBINS DROPS FOR REFERENCE ONLY.

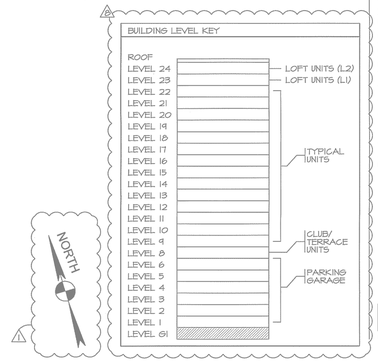
3 - ADJUSTED PLUMBINS
- CORRECTED BUILDINS KEY



GARAGE - LEVEL G1 - WASTEWATER

1/8" = 1'-0"

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512.473.0177

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7th & Rio Grande Apartments

615 West 7th Street
Austin, Texas 78701

PROJECT NUMBER - 111009

OWNER
BEHRINGER HARVARD
CWS CAPITAL PARTNERS LLC
9606 N. Mopac Expwy, Suite 600
Austin, Texas 78759
512.837.3028 p

GENERAL CONTRACTOR
J.E. DUNN CONSTRUCTION
901 S. Mopac Expressway
Barton Oaks Plaza II , Ste. 375
Austin, TX 78746
512.697.6119

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972.233.9100

LANDSCAPE ARCHITECT
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Austin, TX 78702
512.480.8008 p

DAVID EDWARD NICHOLS
102295
LICENSED PROFESSIONAL ENGINEER
EN,INC. F-2473 06/12/13

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REVISION #7	05/20/2013
REVISION #8	06/12/2013

GARAGE - LEVEL G1 WASTEWATER

PW2.G1

PLBG NOTES

1. HUB DRAINS TO BE LOCATED IN HALL WITH A HINGED NON-LATCHING ACCESS PANEL.
2. ALL VERTICAL AND HORIZONTAL SANITARY WASTE PIPING ABOVE FLOOR TO BE INSULATED - 1 1/2" INSULATION WITH VAPOR BARRIER.
3. SANITARY SEWER, FIRE PROTECTION LINE & DOMESTIC WATER SERVICE VARY AT EACH BLDG. CONTR. TO VERIFY EXACT SERVICE POINTS WITH CIVIL DRAWINGS & SITE UTILITY PLAN PRIOR TO INSTALLATION OF LINES.

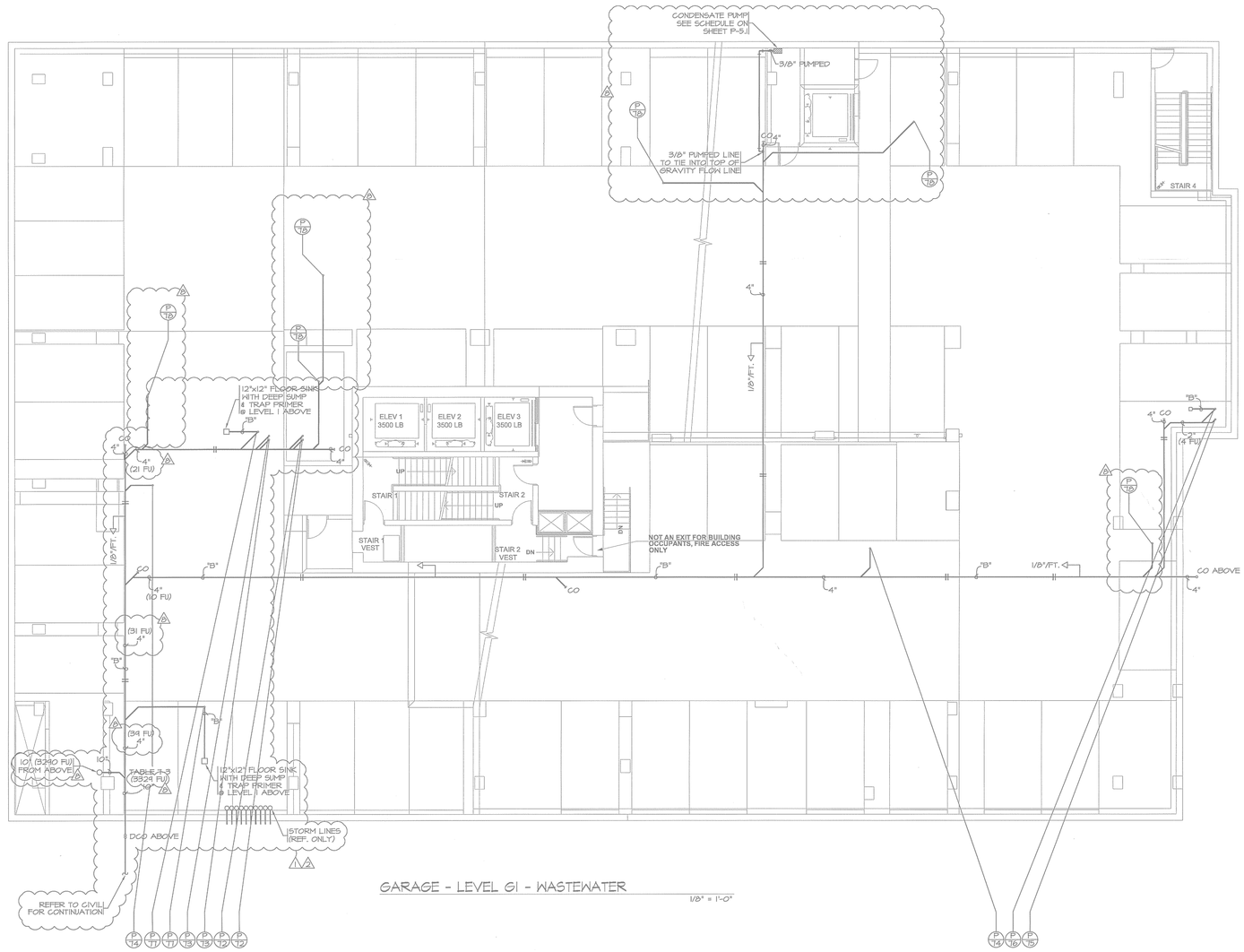
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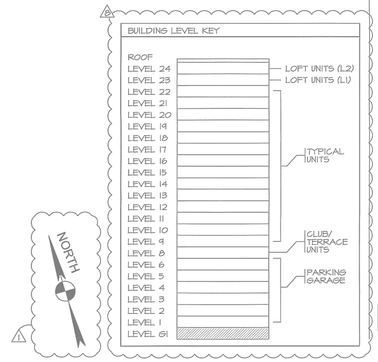
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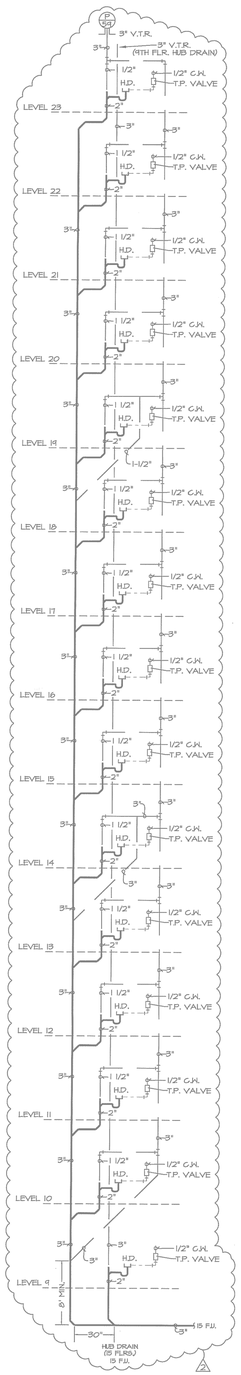
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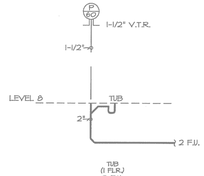
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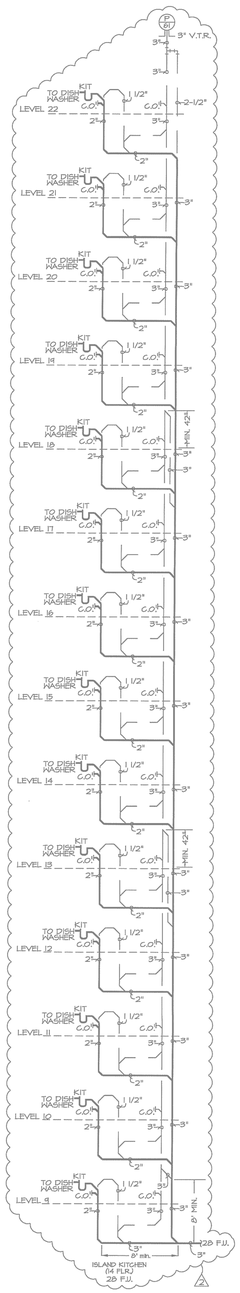
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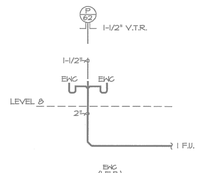
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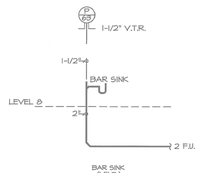
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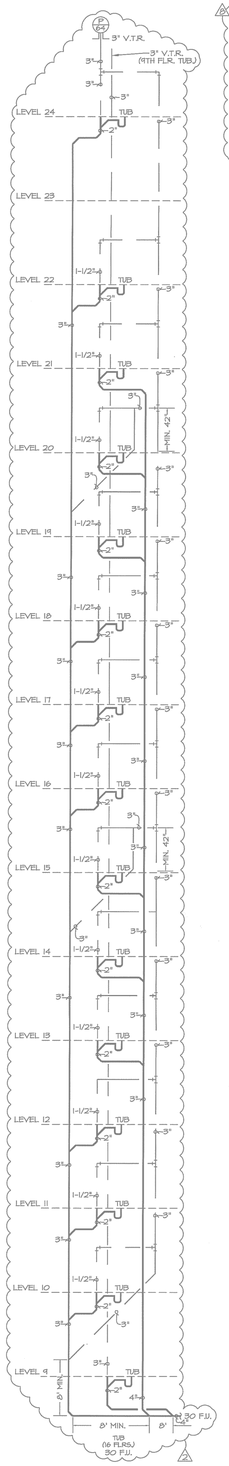


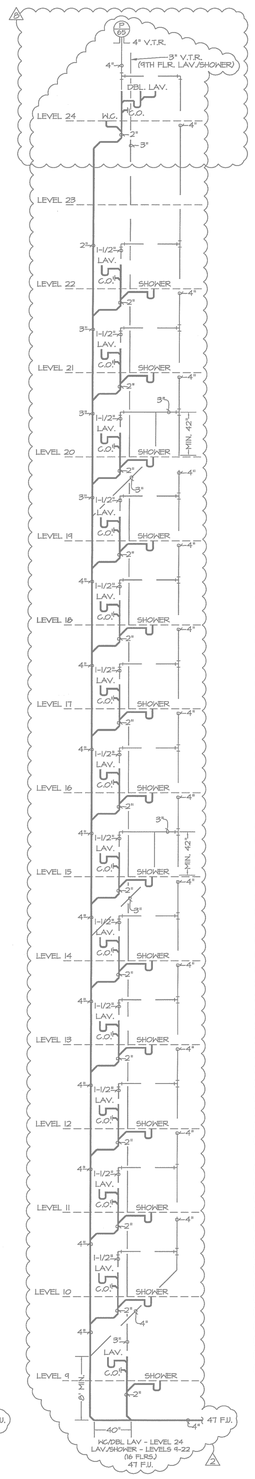


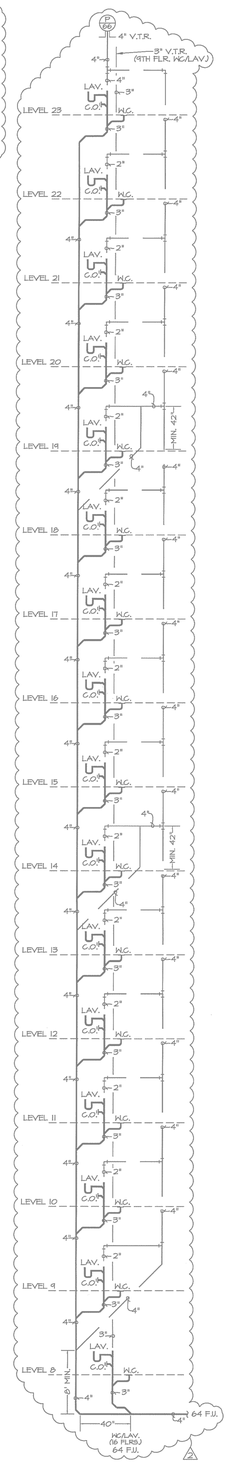


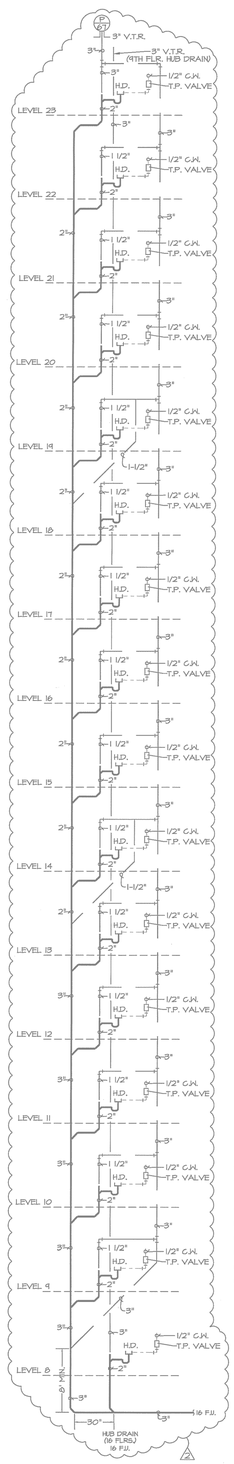


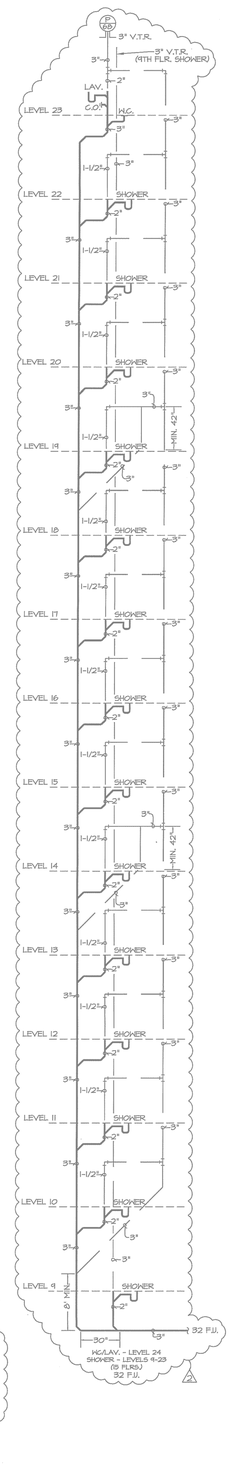












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EN,INC. F-2473 06/12/13

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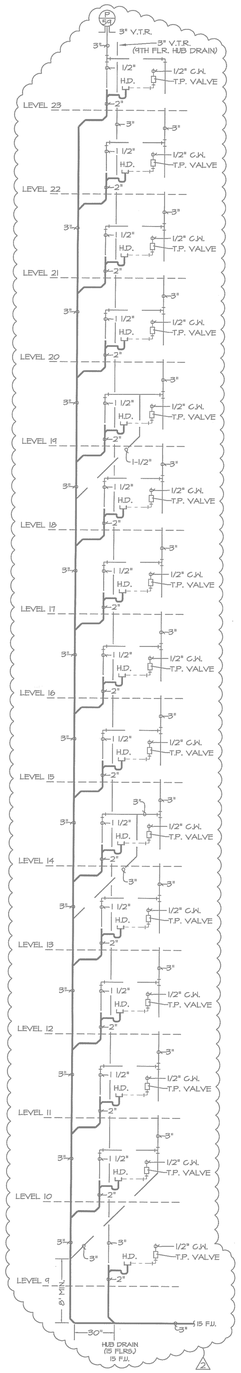
WASTEWATER RISERS - CONTINUED

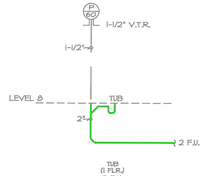
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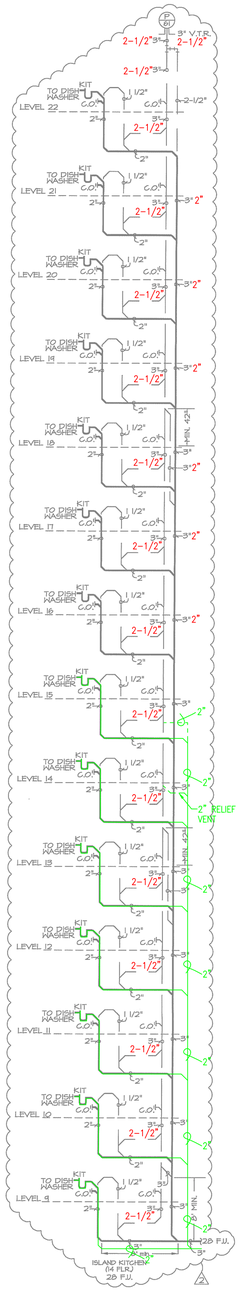
- UPDATED WW RISERS
- REVISED WW RISER

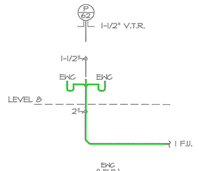
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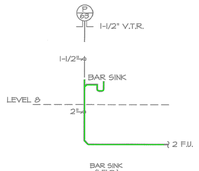
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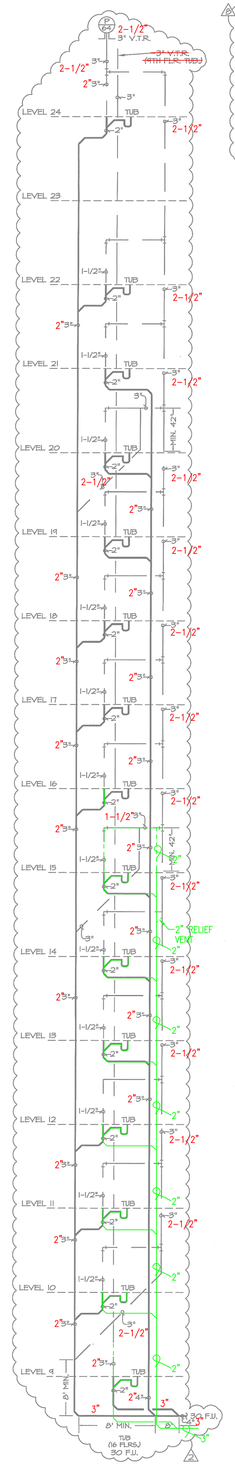


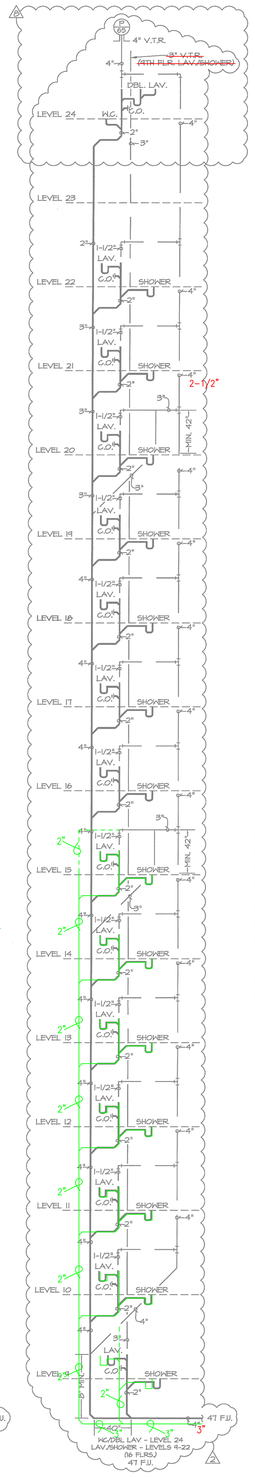


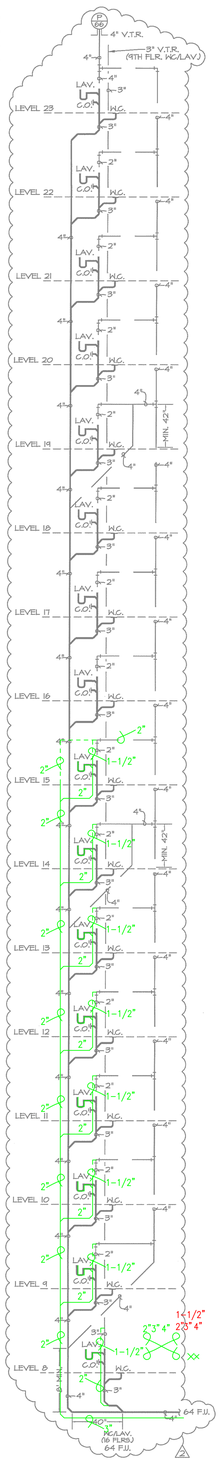


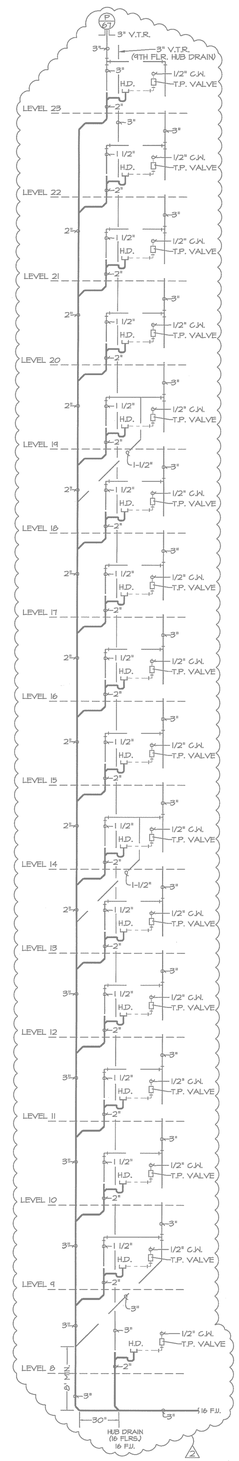


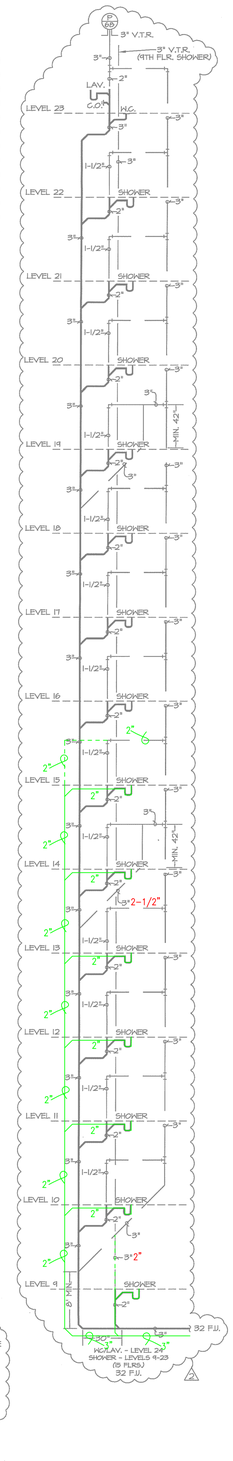












WASTEWATER RISERS - CONTINUED

1/8" = 1'-0"

PLUMBING LEGEND

	GRAYWATER WASTE PIPING
2"	PIPE SIZE REVISION

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- UPDATED WH RISERS
- REVISED WH RISER

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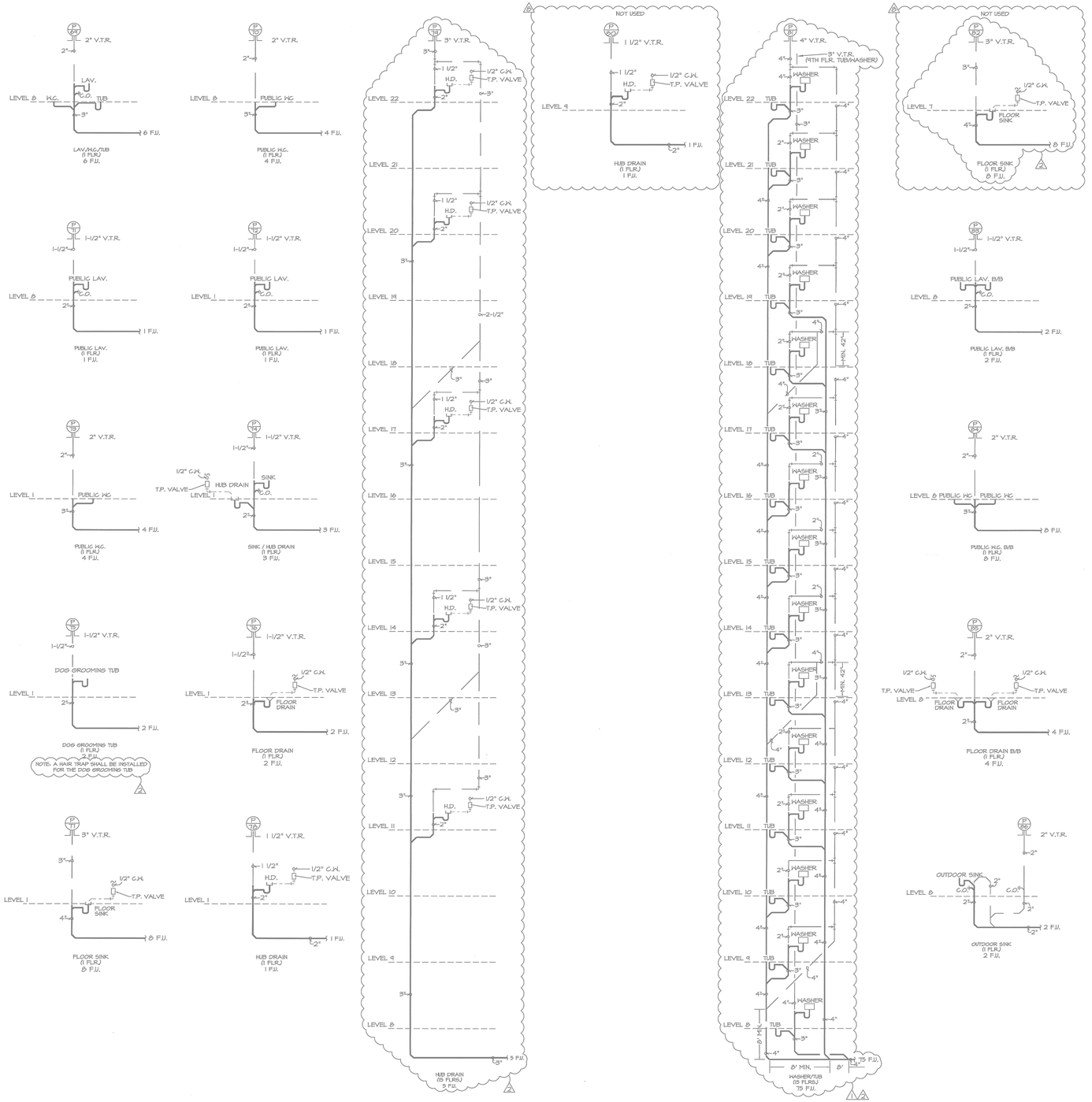
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WASTEWATER RISERS

PW5.4



WASTEWATER RISERS - CONTINUED

1/8" = 1'-0"

1 - ADDED WH RISER P/B1

2 - UPDATED WH RISERS
- ADDED WH RISER P-82
- ADDED NOTE FOR HAIR TRAP FOR DOG GROOMING TUB

3 - REVISED WH RISERS.

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EN,INC. F-2473 08/12/13

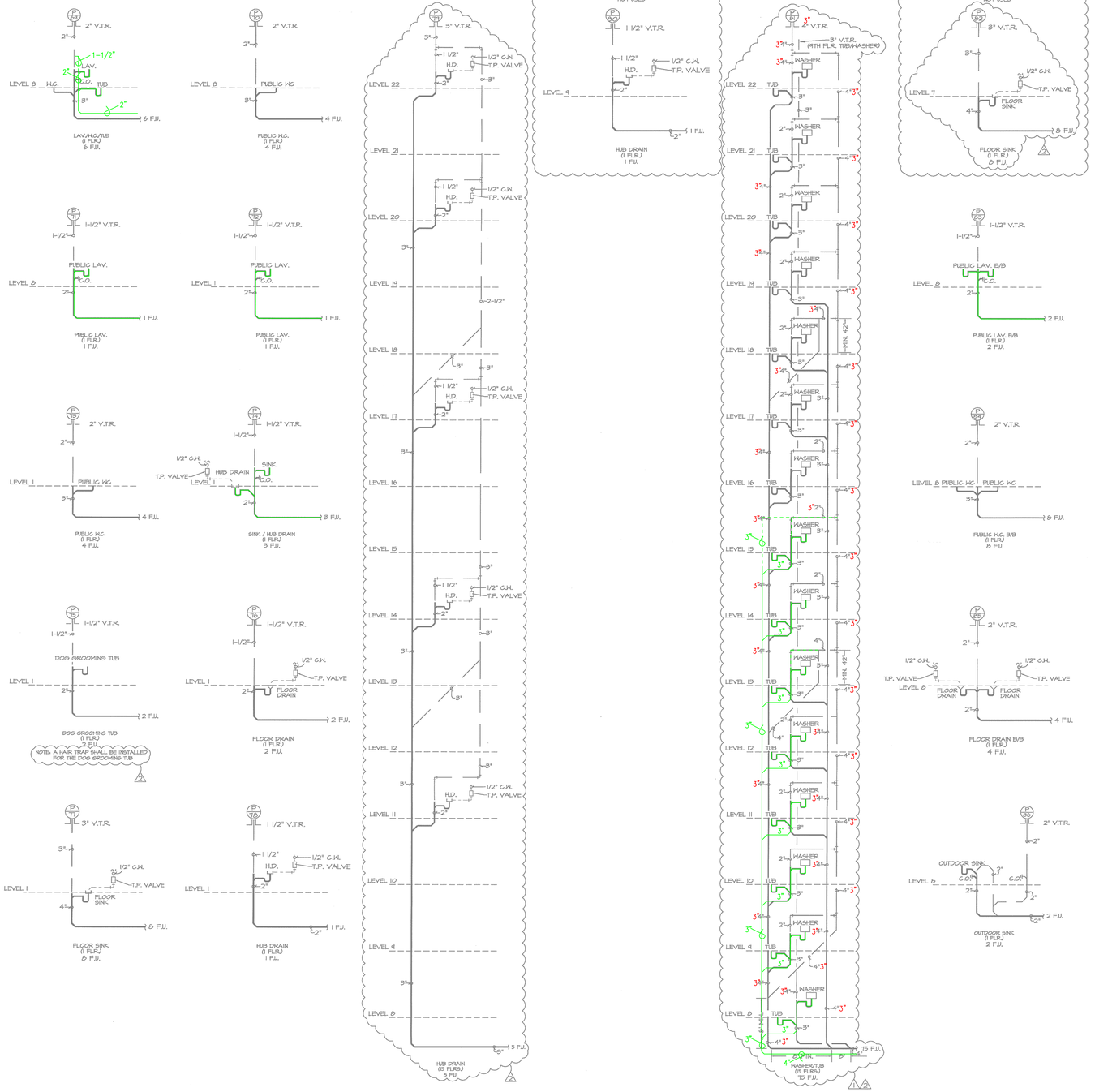
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100% SCHEMATIC DESIGN	02/06/2012
DD - INTERIM PRICING SET	03/30/2012
100% DESIGN DEVELOPMENT	05/04/2012
AEGB REVIEW	05/31/2012
ISSUED FOR REVIEW AND PERMIT	06/11/2012
PERMIT RESPONSE 1	8/28/2012
95% CONSTRUCTION DOCUMENTS	10/05/2012
PERMIT RESPONSE 2	11/08/2012
AFD RESPONSE	01/22/2013
ISSUED FOR CONSTRUCTION	02/01/2013
ISSUED FOR CONSTRUCTION	02/07/2013
REVISION #7	05/20/2013
REVISION #8	06/12/2013
DESCRIPTION	**DATE**

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES.
REVIEWED _____ DATE 7-2-13
The granting of a permit for, or approval of these plans and specifications shall not be construed to be a permit for, or approval of, any violation of any of the provisions of the currently adopted plumbing code or any other ordinance of the City of Austin.

WASTEWATER RISERS

PW5.5



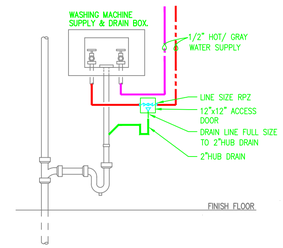
PLUMBING LEGEND

———	GRAYWATER WASTE PIPING
2"	PIPE SIZE REVISION

1 - ADDED HW RISER P-B1

2 - UPDATED HW RISERS
- ADDED HW RISER P-B2
- ADDED NOTE FOR HAIR TRAP FOR DOG GROOMING TUB

3 - REVISED HW RISERS.



RPZ/HUB DRAIN @ WASHER BOX

SCALE: NOT TO SCALE

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES.

REVIEWED DATE 7-2-13

The granting of a permit for, or approval of these plans, and specifications shall not be construed to be a permit for or approval of any violation of any of the provisions of city code or any other ordinance, regulation or requirement of the City of Austin.

WASTEWATER RISERS - CONTINUED

1/8" = 1'-0"

515 CONGRESS AVE
SUITE 1600
AUSTIN, TEXAS 78701
512.473.0923
512.473.9177

© RHODE PARTNERS, 2012

7th & Rio Grande Apartments

615 West 7th Street
Austin, Texas 78701

PROJECT NUMBER - 111009

OWNER
BEHRINGER HARVARD
CWS CAPITAL PARTNERS LLC
9606 N. Mopac Expwy, Suite 500
Austin, Texas 78759
512.837.3039 p

GENERAL CONTRACTOR
J.E. DUNN CONSTRUCTION
901 S. Mopac Expressway
Barton Oaks Plaza II , Ste. 375
Austin, TX 78746
512.687.6119

ARCHITECT
(1 FLR.)
RHODE PARTNERS
515 Congress Avenue, Suite 1600
Austin, TX 78701
512.473.0923 p

CIVIL ENGINEER
BURY + PARTNERS
221 W 6th Street Ste 600
Austin, Texas 78701
512.791.3311 p

STRUCTURAL ENGINEER
ARCHITECTURAL ENGINEERS COLLABORATIVE
106 East Sixth Street, Suite 450
Austin, Texas 78701
512.472.2111 p

MEP ENGINEER
EN-INCORPORATED
13581 Pond Springs Road, Suite 400
Austin, Texas 78729
512.918.9315 p

INTERIOR DESIGNER
KEATON INTERIORS
4901 Keller Springs Rd. Ste. 106B
Addison, TX 75001
972.233.9100

LANDSCAPE ARCHITECT
D CRAIN
1621 Willow Street
Austin, TX 78702
512.480.8008 p





EN,INC. F-2473 06/12/13

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WASTEWATER RISERS

PW5.5