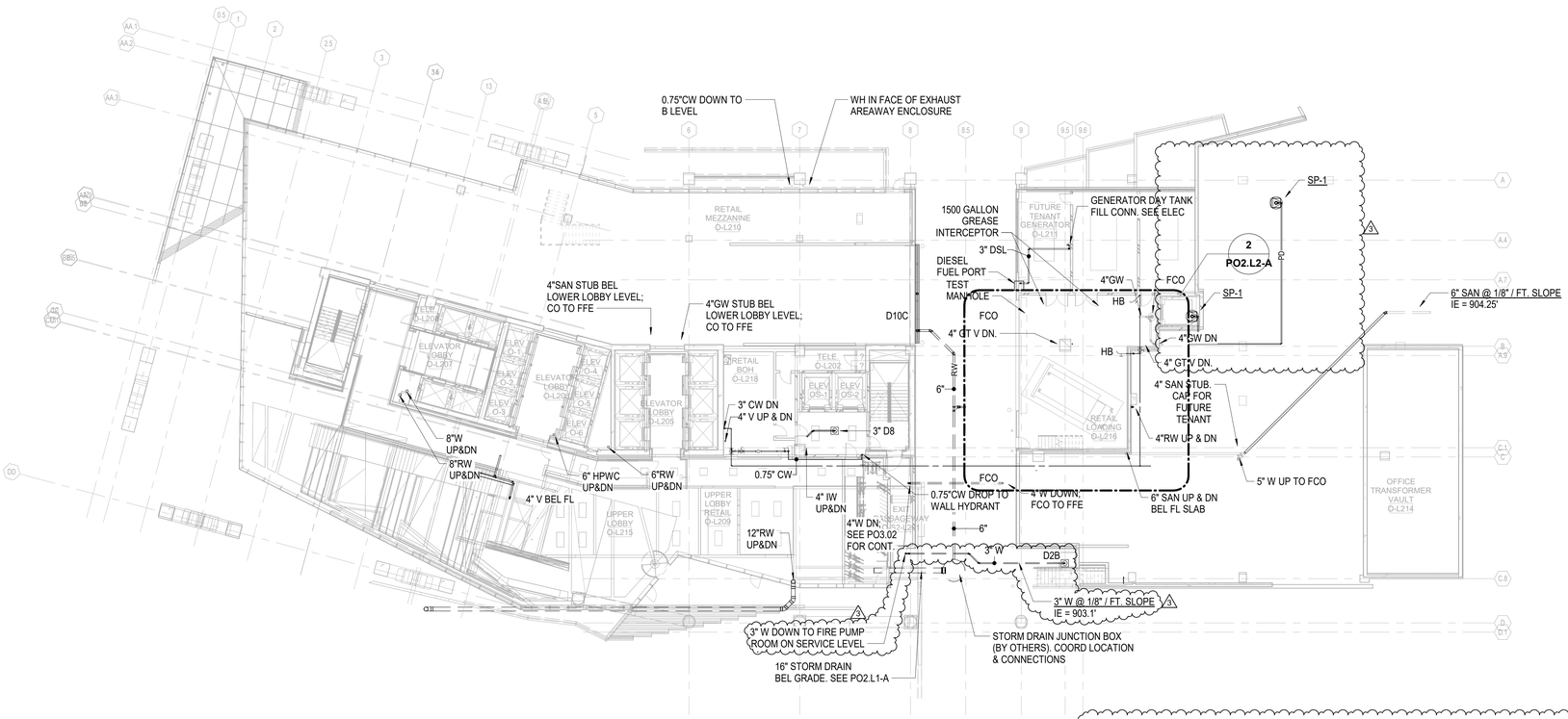
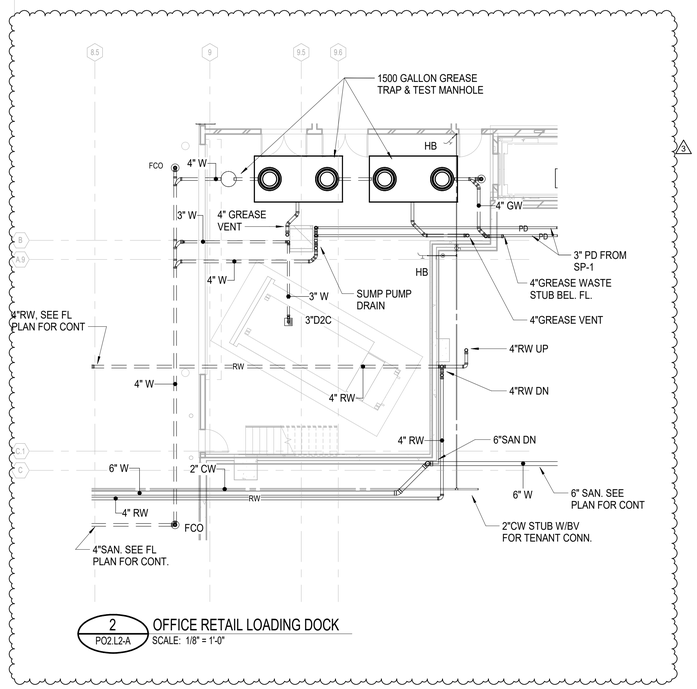


1 PO2.L2-A — PLUMBING PLAN - FLOOR L2 (OFFICE UPPER LOBBY) - AREA A
SCALE: 1/16" = 1'-0"



2 PO2.L2-A — OFFICE RETAIL LOADING DOCK
SCALE: 1/8" = 1'-0"

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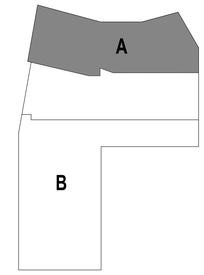
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12/6/19

ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019
2	ASI-001	2/7/2020
3	WCRP-001	FUTURE 3/31/2020

REVISIONS TO EAST RETAIL & STAIR 3/18/20



MIDTOWN UNION

1331 SPRING ST NW, ATLANTA, GA 30309

METLIFE

PLUMBING PLAN - FLOOR L2 (OFFICE UPPER LOBBY) - AREA A

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PO2.L2-A
Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO2.L2-A - PLUMBING PLAN - FLOOR L2 (OFFICE UPPER LOBBY) - AREA A
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Office Building REDO_R19.rvt
3/18/2020 3:50:24 PM

PLUMBING LEGEND

SYMBOLS

	SOIL (S) OR WASTE (W) ABOVE FLOOR OR GRADE
	SOIL (S) OR WASTE (W) BELOW FLOOR OR GRADE
	VENT (V)
RW	RAINWATER (RW) ABOVE FLOOR OR GRADE
RW	RAINWATER (RW) BELOW FLOOR OR GRADE
ORW	OVERFLOW RAINWATER (ORW) ABOVE FLOOR OR GRADE
ORW	OVERFLOW RAINWATER (ORW) BELOW FLOOR OR GRADE
	COLD WATER (CW)
	HOT WATER (HW)
	HOT WATER CIRCULATING (HWC)
140	140° HOT WATER SUPPLY
140	140° HOT WATER CIRCULATING
NP	NON-POTABLE WATER (NP)
T	TRAP PRIMER (T)
G	NATURAL GAS (G)
GW	GREASE WASTE (GW) ABOVE FLOOR OR GRADE
GW	GREASE WASTE (GW) BELOW FLOOR OR GRADE
GV	GREASE VENT (GV)
PD	PUMPED DISCHARGE (PD)
D	INDIRECT DRAIN (D)

	DRAIN
	ROOF DRAIN (RD)
	FLOOR CLEANOUT (FCO)
	GROUND CLEANOUT (GCO)
	CLEANOUT (CO)
	STRAINER
	UNION OR FLANGE
	HOSE BIB
	WALL HYDRANT
	PRESSURE REDUCING VALVE
	CHECK VALVE
	GLOBE VALVE
	AUTOMATIC OR MANUAL FLOW CONTROL FITTING
	BALANCING VALVE
	GAS PRESSURE REGULATOR
	GAS VALVE
	GATE VALVE OR BUTTERFLY VALVE
	GATE VALVE IN VERTICAL RISE
	BALL VALVE
	BALL VALVE IN VERTICAL RISE
	MIXING VALVE
	TEMPERATURE AND PRESSURE RELIEF VALVE
	PRESSURE RELIEF VALVE
	VACUUM BREAKER
	VACUUM RELIEF VALVE
	THERMOMETER
	PRESSURE GAUGE
	WATER HAMMER ARRESTER
	TRAP PRIMER
	TRAP PRIMER WITH DISTRIBUTION UNIT
FBA-X	FLOW BALANCING ASSEMBLY
F M	FLOW METER
M	WATER METER
	BACKFLOW PREVENTER
	PUMP
	MOTORIZED VALVE
X	WATER RISER DESIGNATION
X	WASTE RISER DESIGNATION

ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE
ABV	ABOVE
AC	ABOVE CEILING
AFF/AFG/ARF	ABOVE FINISHED FLOOR/GRADE/RAISED FLOOR
AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
AMTP	AUTOMATIC MINI TRAP PRIMER
BEL	BELOW
BF	BELOW FLOOR
CB	CATCH BASIN
CI	CURB INLET
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT/CONNECTION
CONT	CONTINUATION/CONTINUOUS
DI	DROPPED INLET
DN	DOWN
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
ELE	ELEVATOR
ELEC	ELECTRICAL/ELECTRIC
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXP	EXPOSED
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDN	FOUNDATION
FS	FLOOR SINK
FTG	FOOTING
GAL	GALLON
GR	GRADE
GT	GREASETRAP
HB	HOSEBIB
HC	HANDICAPPED
HD	HUB DRAIN
IE	INVERT ELEVATION
IM	ICE MACHINE/ICE MAKER
LAV	LAVATORY
MECH	MECHANICAL
MH	MANHOLE
PDI	PLUMBING AND DRAINAGE INSTITUTE
PL	PLANTER
PS	PIPE STAND SUPPORT
RD	ROOF DRAIN
REL	RELOCATE
REM	REMOVE
RW	RAIN WATER
SAN	SANITARY
SD	SHOWER DRAIN
SEC	SECURITY
SHR	SHOWER
SHT	SHEET
SM	SHEET METAL
SPEC	SPECIFICATION
SS	SERVICE SINK
SSTL	STAINLESS STEEL
TD	TRENCH DRAIN
TEMP	TEMPERATURE
TP	TRAP PRIMER
TR	THROUGH ROOF
TS	TIGHT TO STRUCTURE
UC	UNDERCOUNTER
UG	UNDERGROUND
UR	URINAL
V	VENT
VB	VACUUM BREAKER
VTR	VENT THROUGH ROOF
W	WATER
WC	WATER CLOSET
WG	WATER GAUGE
WM	WASHING MACHINE

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PROFESSIONAL
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ROBERT A. HOWELL
12/6/19

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	OFFICE & SITE BUILDING PERMIT SET	12/04/2019
2	ASI-001	2/7/2020

MIDTOWN UNION

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METLIFE

PLUMBING LEGEND

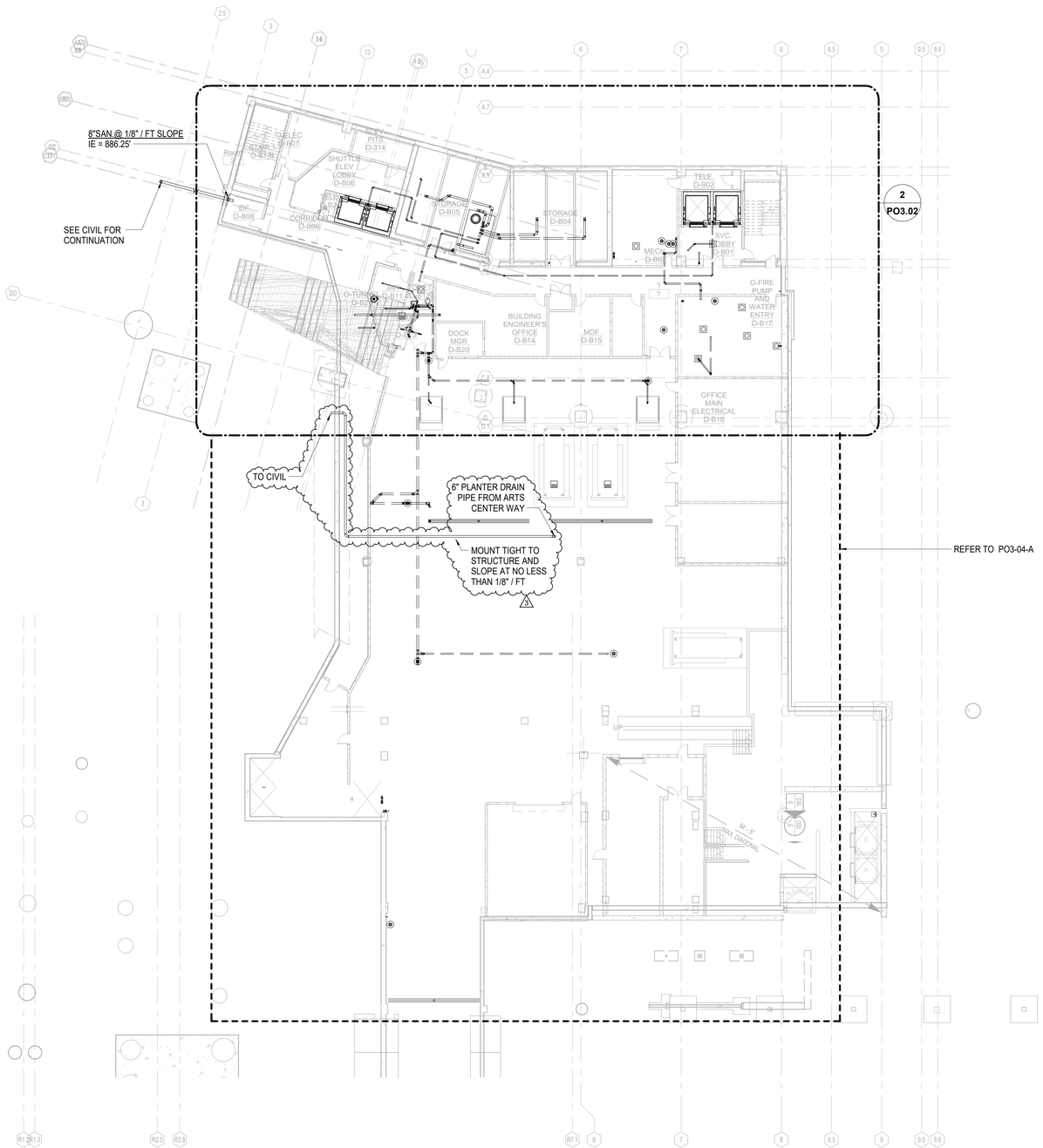
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HPL	12/04/19
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PO0.00

Drawing No.

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SHEET NUMBER: PO0.00 - PLUMBING LEGEND
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2/7/2020 12:22:13 PM



1 PO2.0B-A PLUMBING PLAN - SERVICE LEVEL - AREA A
SCALE: 1/16" = 1'-0"

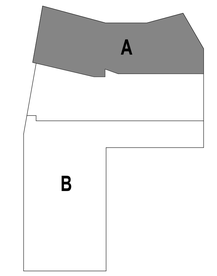
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12/6/19

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3	WCRP-001	3/31/2020



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PLUMBING PLAN - FLOOR B (BASEMENT-SERVICE LEVEL) - AREA A

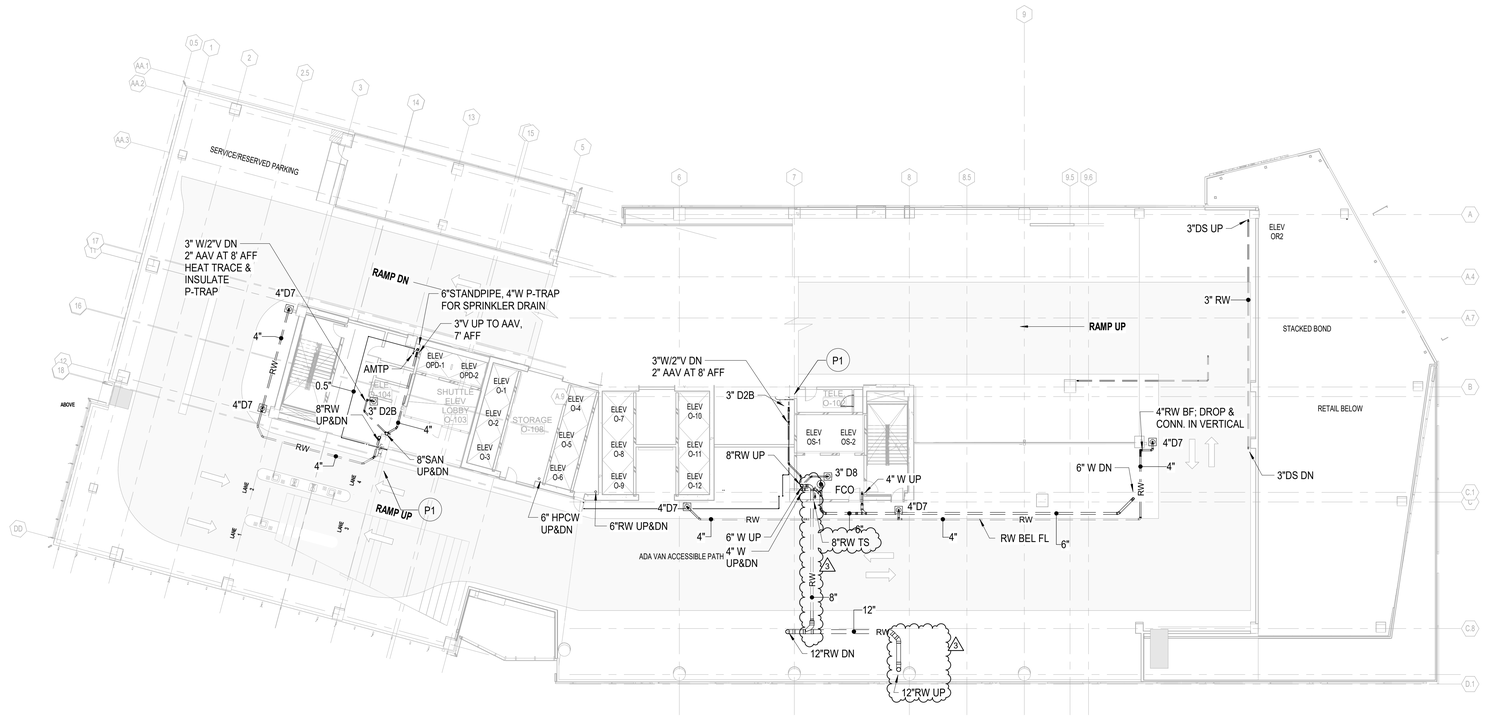
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PO2.0B-A

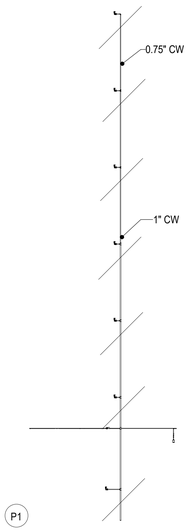
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1 PO2.01-A PLUMBING PLAN - FLOOR P1 - AREA A
SCALE: 1/16" = 1'-0"



2 PO2.01-A PLUMBING WASH DOWN RISER - PARKING
SCALE:

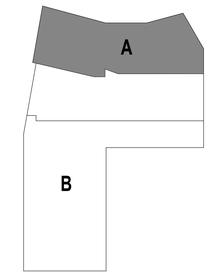
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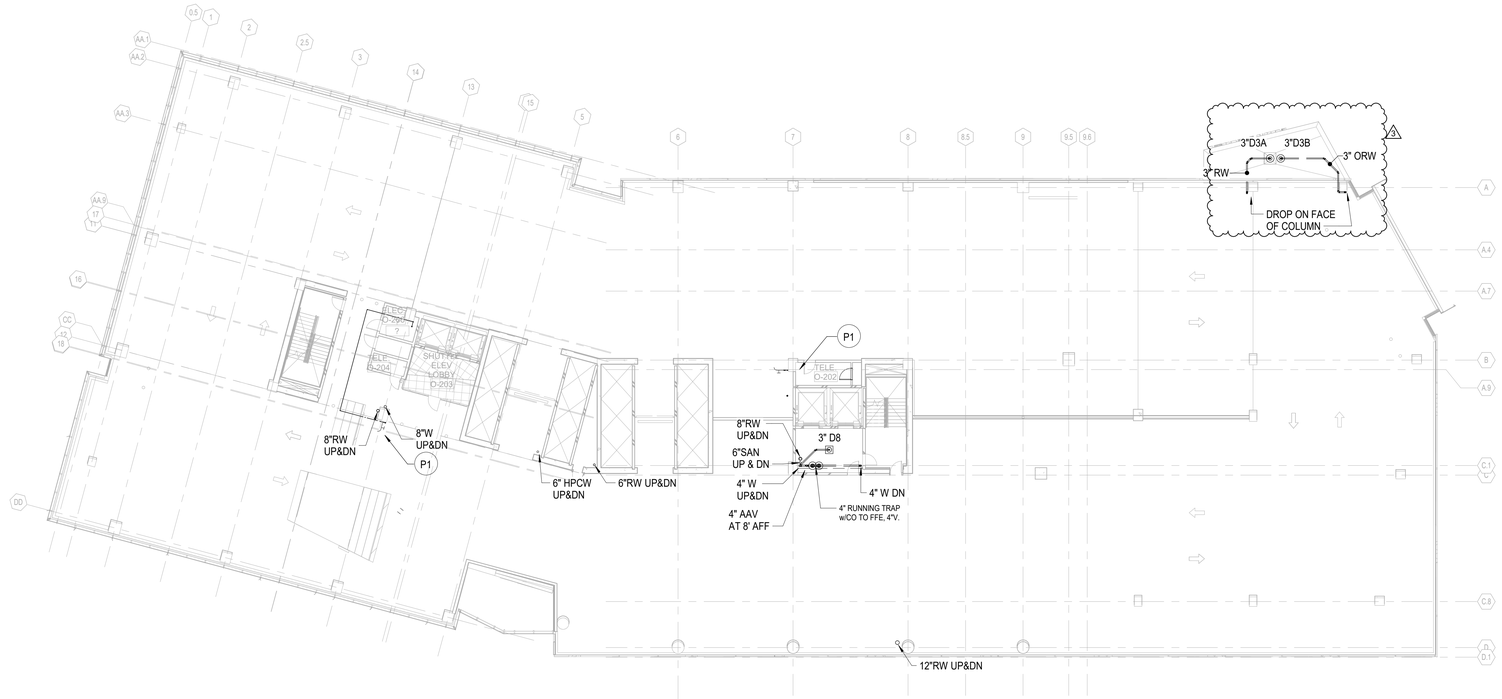
PLUMBING PLAN - FLOOR P1 - AREA A - DRAINAGE AND PRESSURE

RZH Principal-in-Charge	20170324 Project No.
HPL Project Manager	12/04/19 Date
DMC Project Engineer	
VMT Staff Engineer	

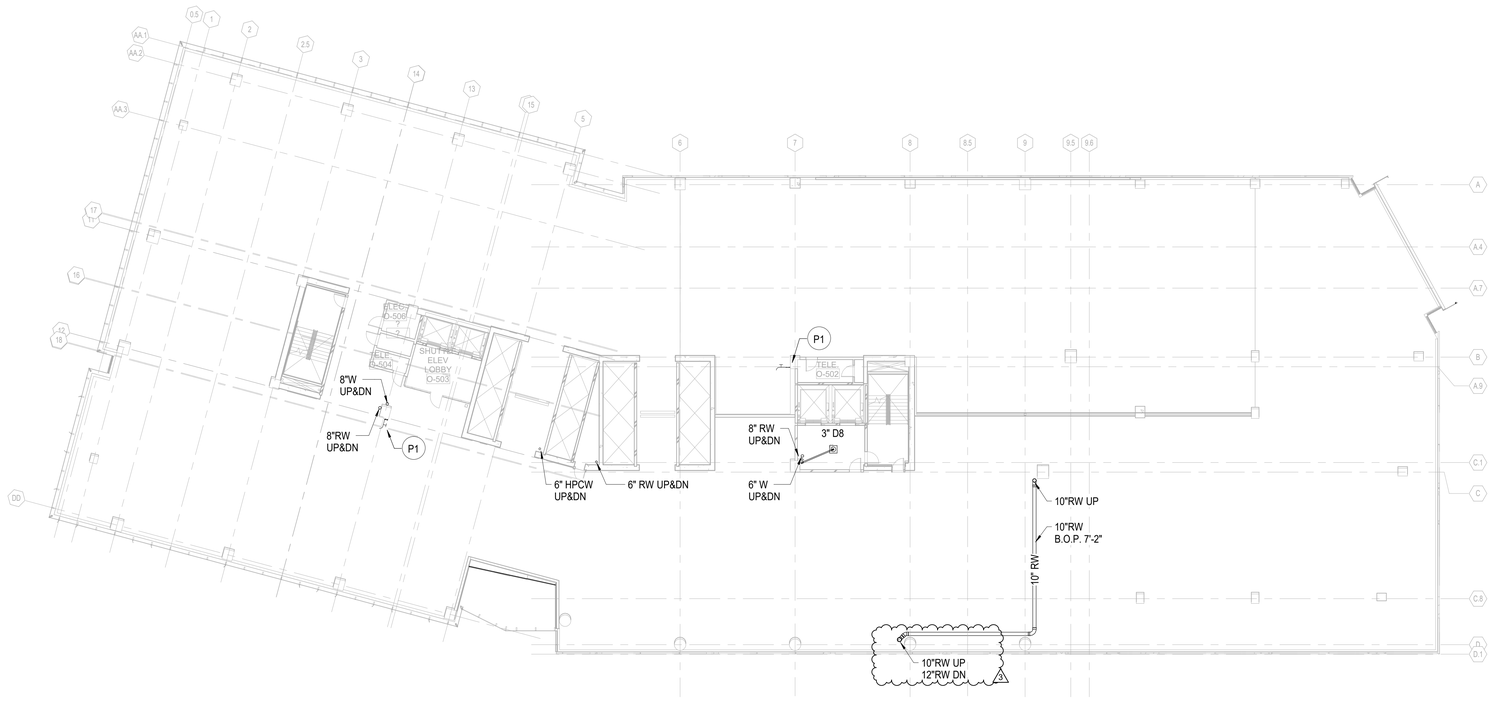
PO2.01-A
Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: P02.01A - PLUMBING PLAN - FLOOR P1 - AREA A - DRAINAGE AND PRESSURE
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3/20/2020 4:10:52 PM



1 PO2.02-A PLUMBING PLAN - FLOOR P2 - AREA A
SCALE: 1/16" = 1'-0"



3 PO2.02-A PLUMBING PLAN - FLOOR P5 - AREA A
SCALE: 1/16" = 1'-0"

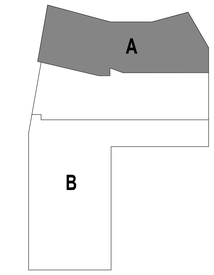
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3	WCRP-001	3/31/2020



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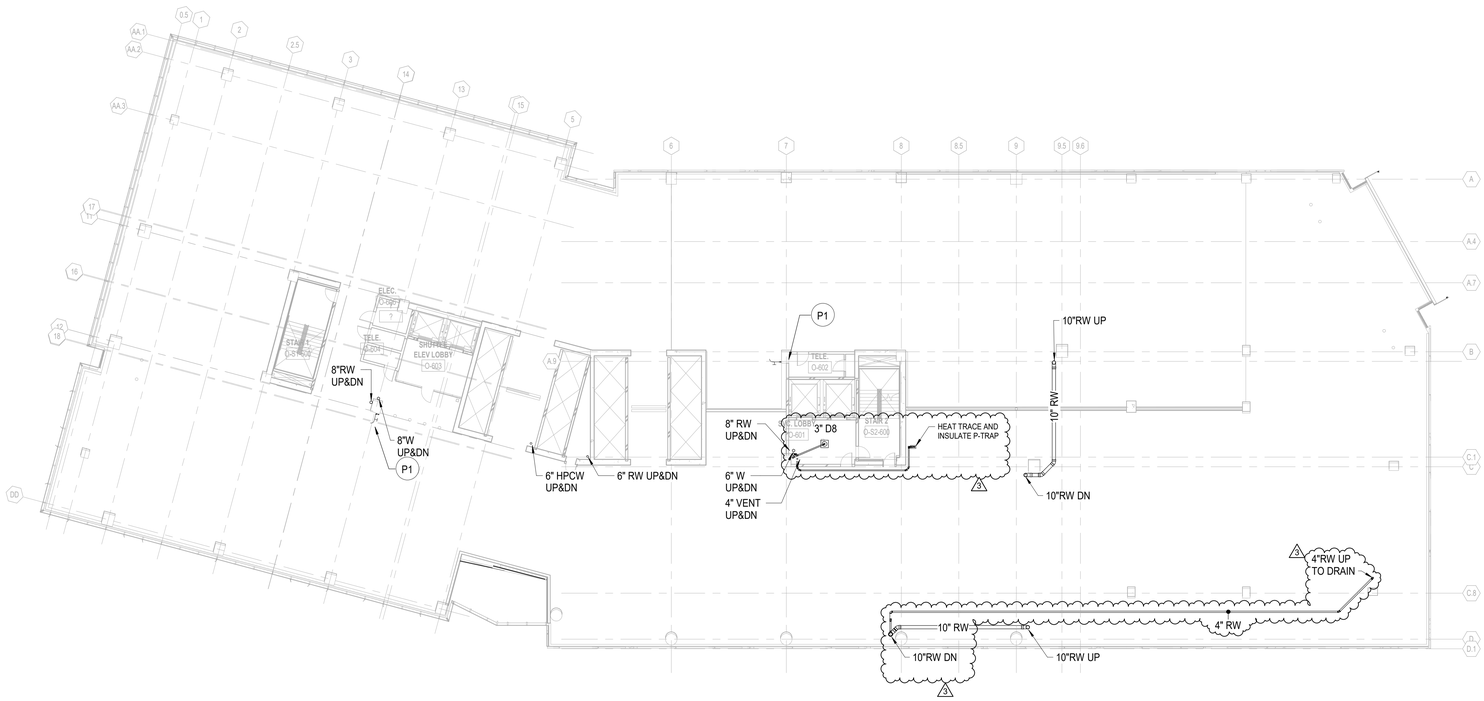
PLUMBING PLAN - TYPICAL FLOOR (P2 THRU P4) & FLOOR P5 - AREA A - DRAINAGE AND PRESSURE

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PO2.02-A
Drawing No.

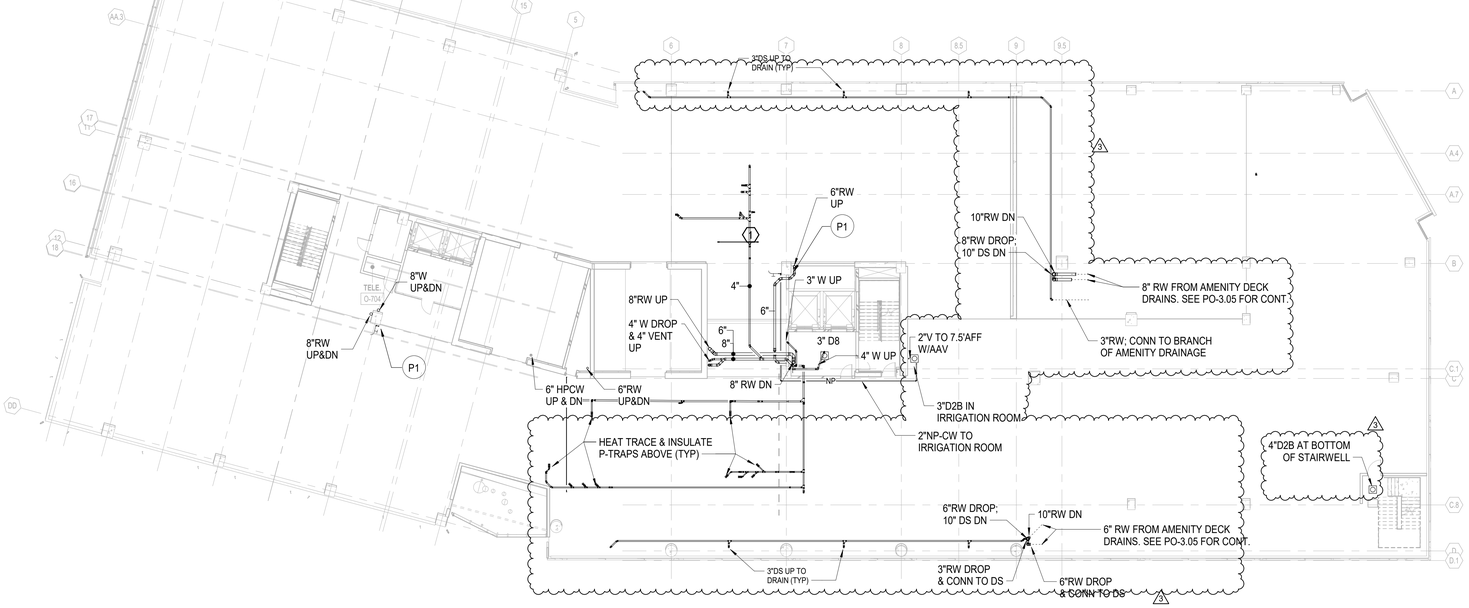
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PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
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3/20/2020 3:54:41 PM



1 PO2.06-A — PLUMBING PLAN - FLOOR P6 - AREA A

SCALE: 1/16" = 1'-0"



2 PO2.06-A — PLUMBING PLAN - FLOOR P7 - AREA A

SCALE: 1/16" = 1'-0"

PLUMBING KEYNOTES - THIS SHEET

1. FOR CONTINUATION REFER TO 4/P02.08-A.

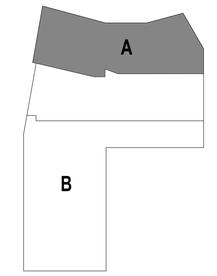
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PLUMBING PLAN - FLOOR P6 & P7 - AREA A - DRAINAGE AND PRESSURE

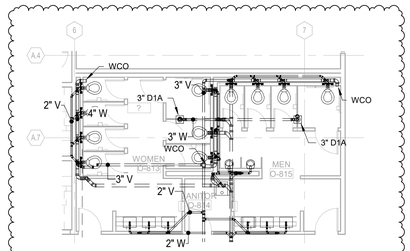
RZH	20170324
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PO2.06-A

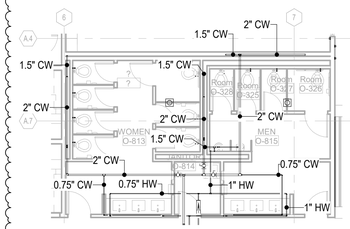
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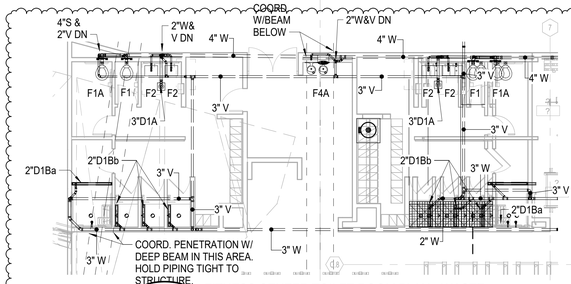
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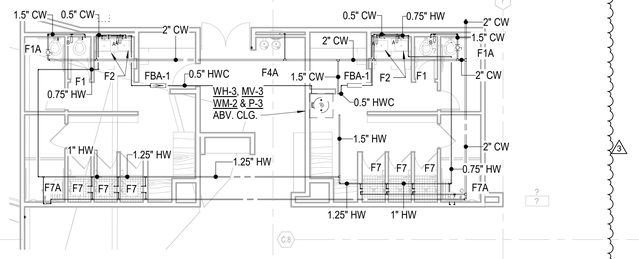
4 PO2.08-A PLUMBING PLAN - WASTE - PUBLIC RESTROOM
SCALE: 1/8" = 1'-0"



5 PO2.08-A PLUMBING PLAN - PRESSURE - PUBLIC RESTROOM
SCALE: 1/8" = 1'-0"

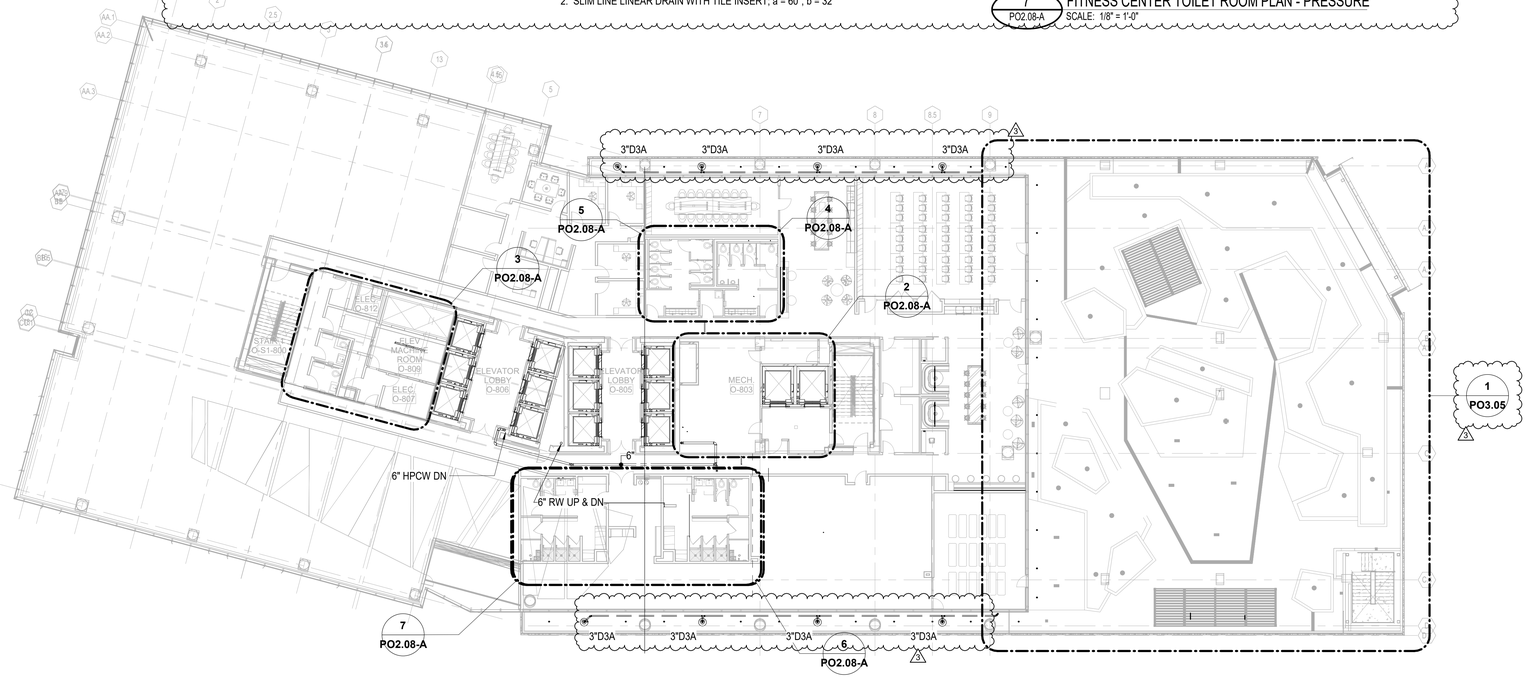


6 PO2.08-A FITNESS CENTER TOILET ROOM PLAN - WASTE
SCALE: 1/8" = 1'-0"

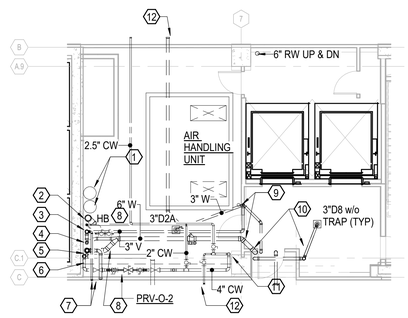


7 PO2.08-A FITNESS CENTER TOILET ROOM PLAN - PRESSURE
SCALE: 1/8" = 1'-0"

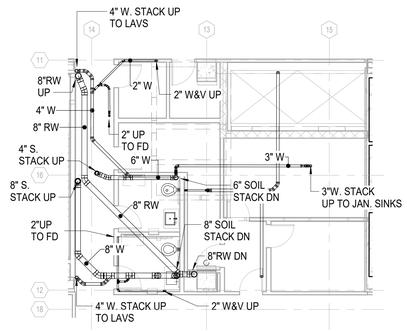
NOTES:
1. COORDINATE PLUMBING PENETRATIONS WITH STRUCTURAL BEAM BELOW.
2. SLIM LINE LINEAR DRAIN WITH TILE INSERT; a = 60", b = 32"



1 PO2.08-A PLUMBING PLAN - FLOOR 8 - AREA A (OFFICE AMENITY)
SCALE: 1/16" = 1'-0"



2 PO2.08-A PLUMBING PLAN - FLOOR 8 - MECHANICAL ROOM
SCALE: 1/8" = 1'-0"



3 PO2.08-A PLUMBING PLAN - FLOOR 8 - AREA A (OFFICE AMENITY) - BASE OF STACK
SCALE: 1/8" = 1'-0"

PLUMBING KEYNOTES - THIS SHEET

1. HVAC PIPING RISERS; SEE MECH. DWGS
2. 8" RW UP & DN.
3. 2"CW RISER UP; AT EACH FLOOR, PROVIDE HB w/VB @ 18" AFF, & 1" CW TENANT WATER STUB @ 10' AFF.
4. 4"V UP & DN
5. 4" S STACK UP & DN
6. 6" HP CW UP & DN
7. 4" SAN STUB LOW AND 2" V STUB HIGH ABV CLG FOR TENANT CONN. COORD. w/DUCTWORK, ETC A/C.
8. 6" S, OFFSET BEL FL
9. 3" W&V DN. CONN TO 6"S. BF.
10. 4" INDIRECT WASTE STACK UP & DN; OFFSET BF.
11. 4"CW UP.
12. CW SUPPLY TO TOILET ROOMS. SEE FLOOR PLAN THIS SHEET.

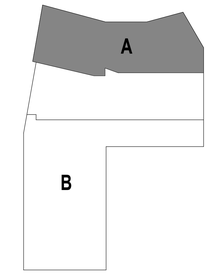
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3	WCRP-001	3/31/2020



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METLIFE

PLUMBING PLAN - FLOOR 8 - AREA A (OFFICE AMENITY)

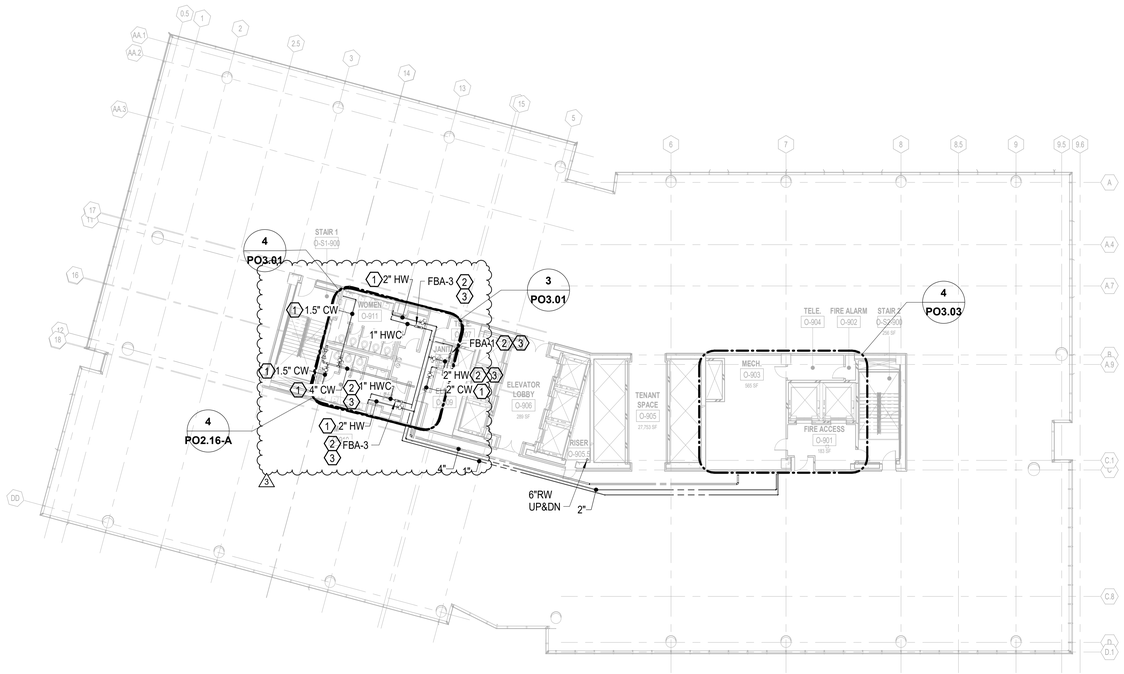
RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PO2.08-A

Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO2.08-A - PLUMBING PLAN - FLOOR 8 - AREA A (OFFICE AMENITY)
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Office Building REDO_R19.rvt
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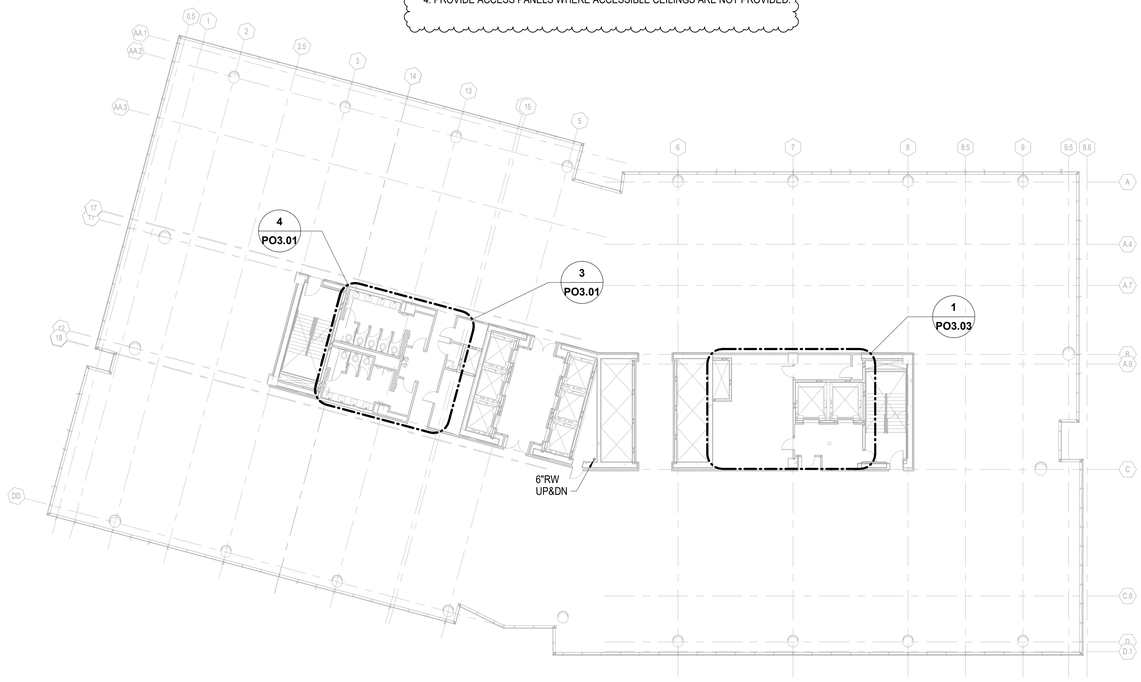


1 / PO2.09-A — PLUMBING PLAN - FLOOR 9 - AREA A

SCALE: 1/16" = 1'-0"

NOTES:

1. WATER SUPPLY DISTRIBUTION PIPING SHOWN IN THIS AREA IS ABOVE 9TH LEVEL CEILING ONLY(CW, HW, HWC).
2. HOT WATER CIRCULATION TAKE-OFFS AND FBA'S ARE LOCATED ABOVE 15TH LEVEL CEILING ONLY.
3. COORDINATE WITH STRUCTURE FOR HWC DROP FROM 15TH DOWN TO 9TH LEVEL TO AVOID BEAMS.
4. PROVIDE ACCESS PANELS WHERE ACCESSIBLE CEILINGS ARE NOT PROVIDED.



2 / PO2.09-A — PLUMBING PLAN - FLOOR 10 - AREA A

SCALE: 1/16" = 1'-0"

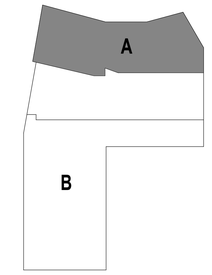
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N&B PROJECT:17N402

GEORGIA
No. 17227
PROFESSIONAL
ENGINEER
ROBERT A. HOWELL
12/6/19

ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019
3	WCRP-001	3/31/2020



MIDTOWN UNION

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PLUMBING PLAN - FLOOR 9 & TYPICALS FLOORS (10 THRU 15) - AREA A

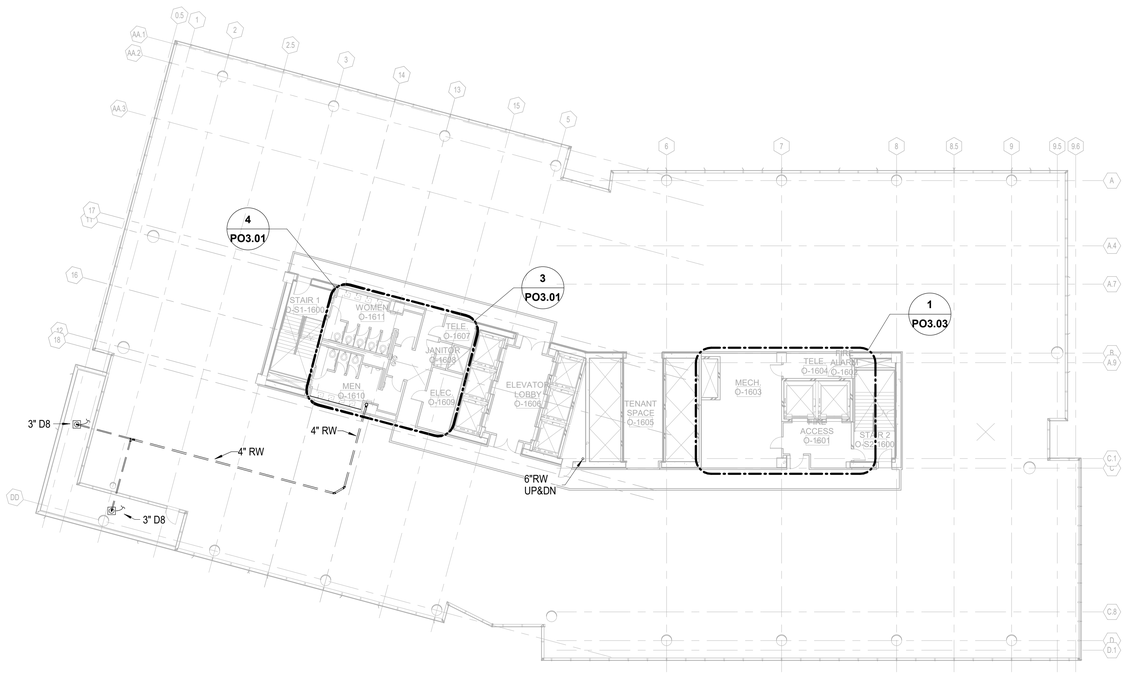
RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PO2.09-A

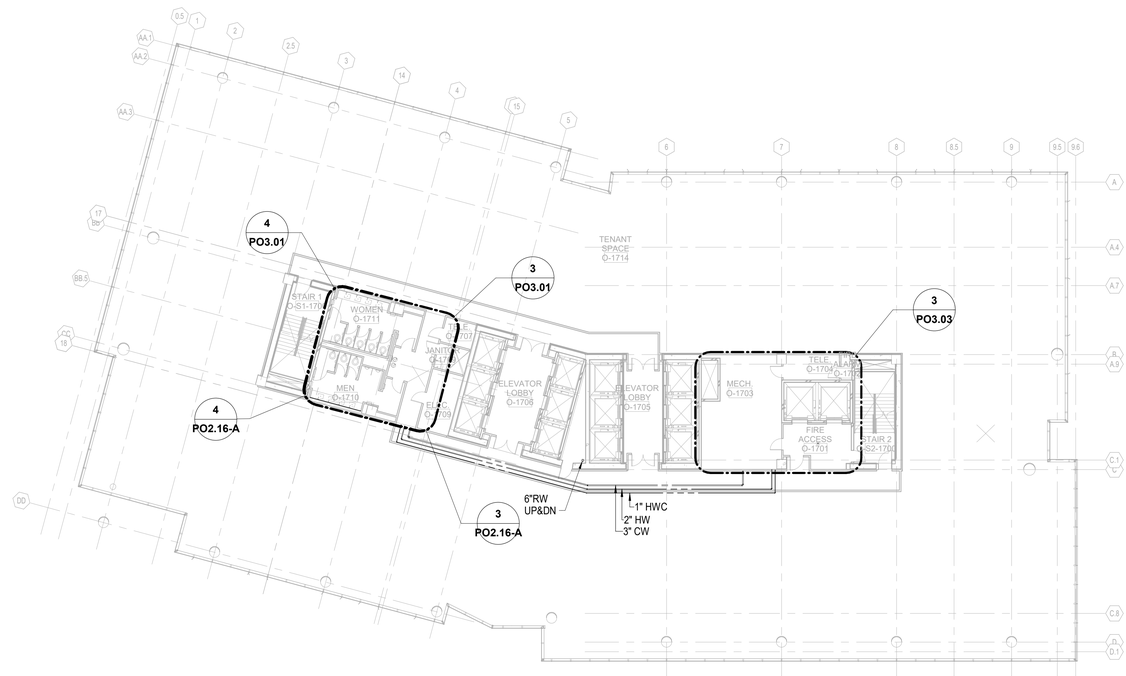
Drawing No.

ISSUED FOR CONSTRUCTION

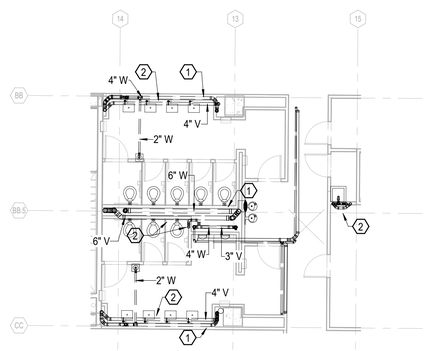
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SHEET NUMBER: PO2.09A - PLUMBING PLAN - FLOOR 9 & TYPICALS FLOORS (10 THRU 15) - AREA A
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Office Building REDO_R19.rvt
3/20/2020 3:55:21 PM



1 PO2.16-A — PLUMBING PLAN - FLOOR 16 - AREA A
SCALE: 1/16" = 1'-0"



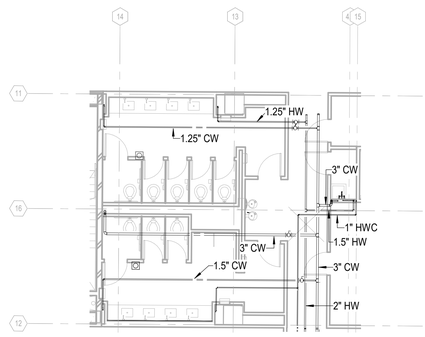
2 PO2.16-A — PLUMBING PLAN - FLOOR 17 - AREA A
SCALE: 1/16" = 1'-0"



3 PO2.16-A — PLUMBING PLAN - FLOOR 17 - WASTE OFFSET AND RELEIF VENTS
SCALE: 1/8" = 1'-0"

PLUMBING KEYNOTES:

1. HORIZONTAL WASTE OFFSET BEL. FLOOR
2. HORIZONTAL RELIEF VENT ABV CEILING



4 PO2.16-A — PLUMBING PLAN - FLOOR 17 - PRESSURE DISTRIBUTION
SCALE: 1/8" = 1'-0"

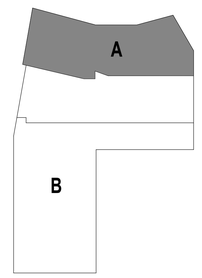
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GEORGIA — REGISTERED — No. 027077 — PROFESSIONAL ENGINEER — VINCE F. LORD
12.4.2019

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No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019



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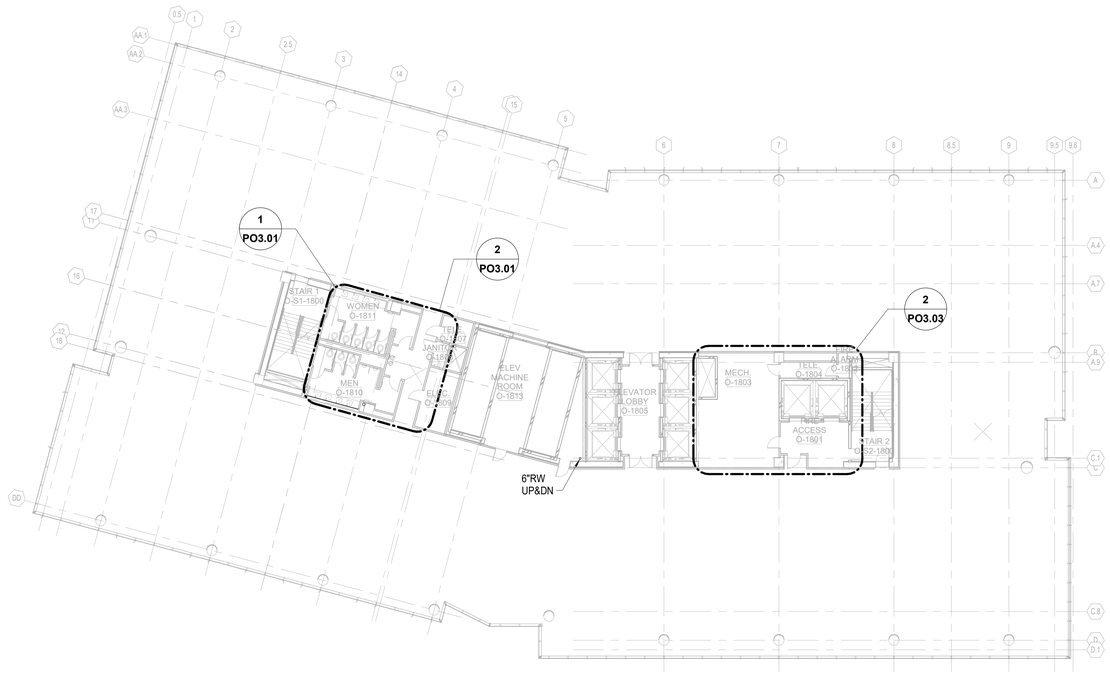
PLUMBING PLAN - FLOOR 16 & 17- AREA A

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

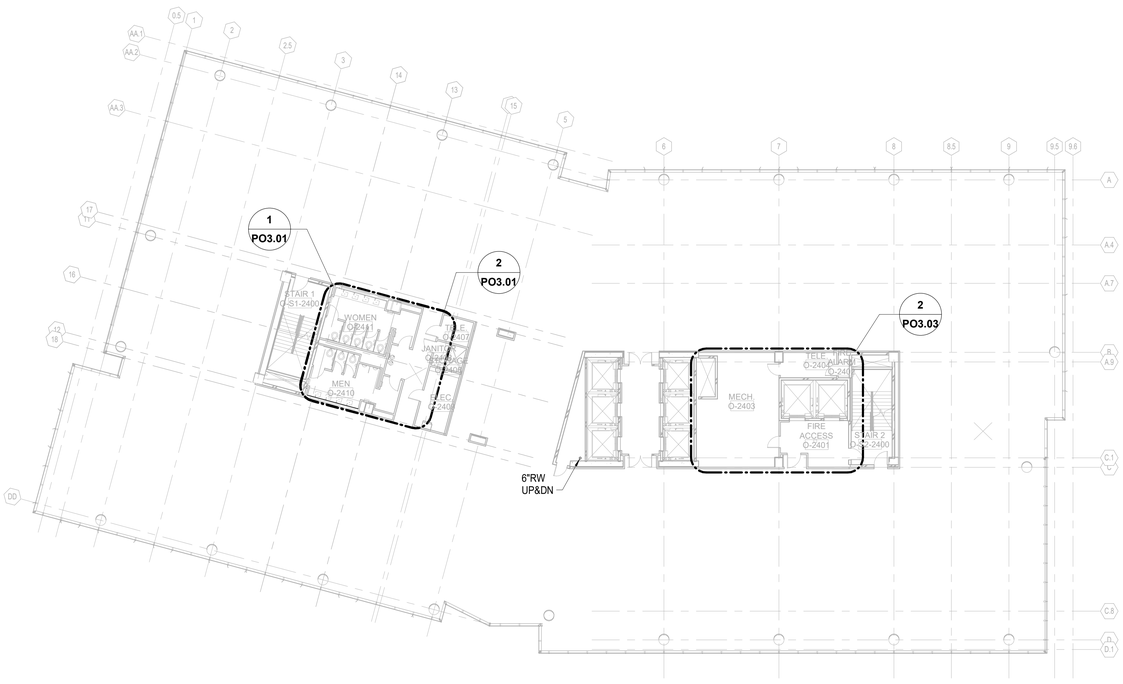
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Drawing No.

ISSUED FOR CONSTRUCTION

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BIM 360://17n402 - Midtown Union/MEP_Midtown Union Office Building REDO_R19.rvt
11/27/2019 12:07:30 PM



1 / PO2.18-A PLUMBING PLAN - FLOOR 18 - AREA A
SCALE: 1/16" = 1'-0"



2 / PO2.18-A PLUMBING PLAN - FLOOR 24 - AREA A
SCALE: 1/16" = 1'-0"

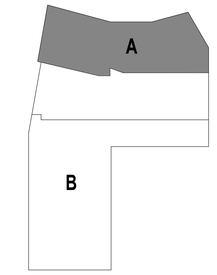
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GEORGIA
No. 17027
PROFESSIONAL
ENGINEER
ROBERT A. HOWELL
12/6/19

ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019



MIDTOWN UNION

1331 SPRING ST NW, ATLANTA, GA 30309

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PLUMBING PLAN - TYPICAL FLOOR (18 THRU 23) & FLOOR 24- AREA A

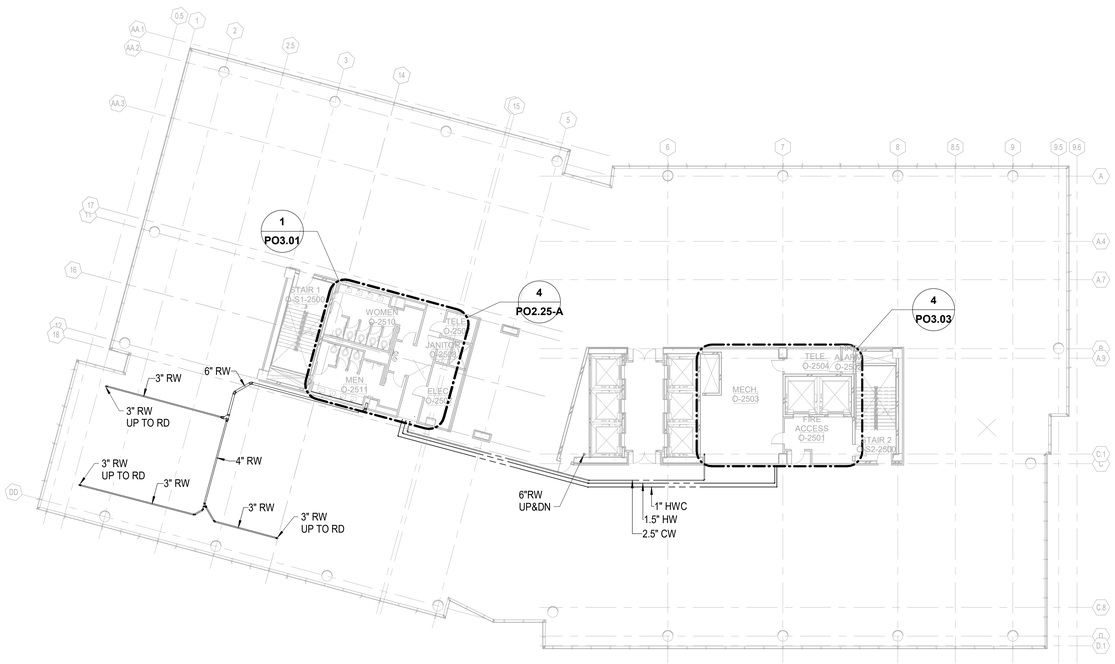
RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PO2.18-A

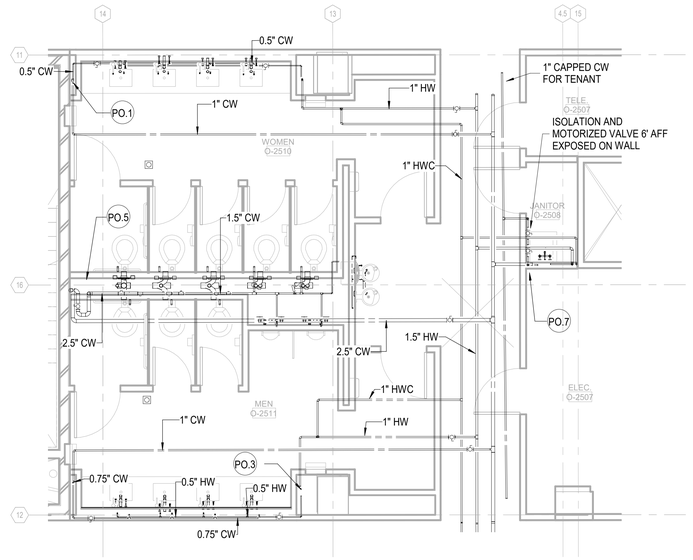
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ISSUED FOR CONSTRUCTION

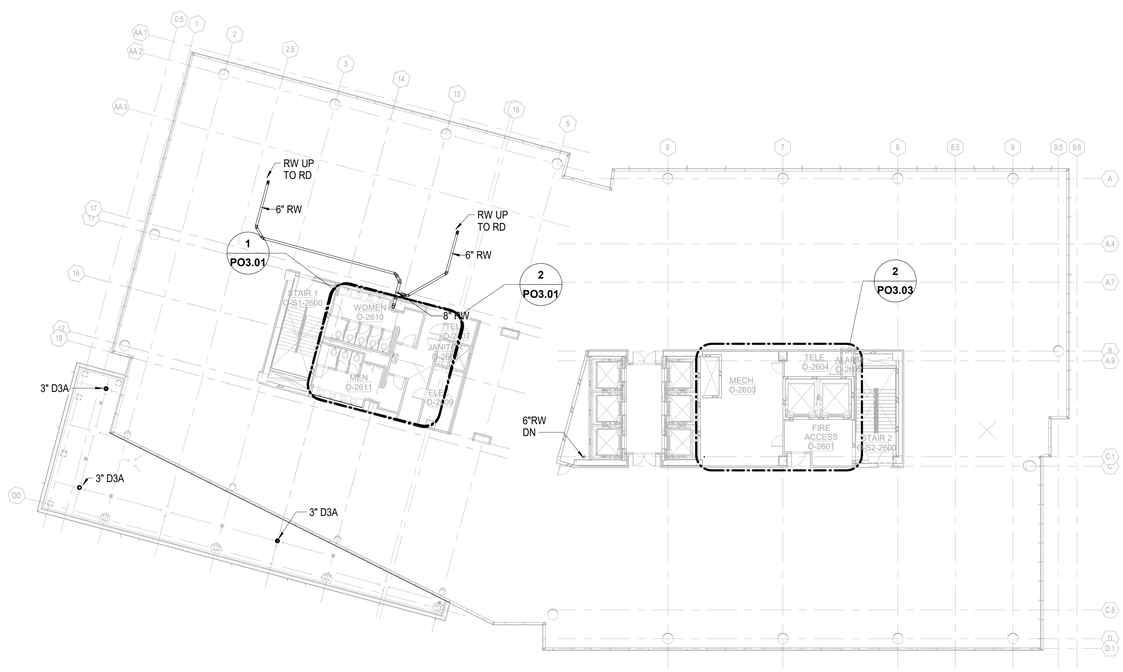
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SHEET NUMBER: PO2.18-A - PLUMBING PLAN - TYPICAL FLOOR (18 THRU 23) & FLOOR 24- AREA A
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Office Building REDO_R19.rvt
11/27/2019 12:07:38 PM



1 PO2.25-A — PLUMBING PLAN - FLOOR 25 - AREA A
SCALE: 1/16" = 1'-0"



4 PO2.25-A — PLUMBING PART PLAN - PRESSURE DISTIBUTION FLOOR 25
SCALE: 1/4" = 1'-0"



2 PO2.25-A — PLUMBING PLAN - FLOOR 26 - AREA A
SCALE: 1/16" = 1'-0"

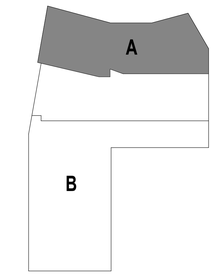
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GEORGIA
No. 17207
PROFESSIONAL
ENGINEER
ROBERT A. LOWELL
12/6/19

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No.	Drawing Issue Description	Date
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PLUMBING PLAN - FLOOR 25 & 26 - AREA A

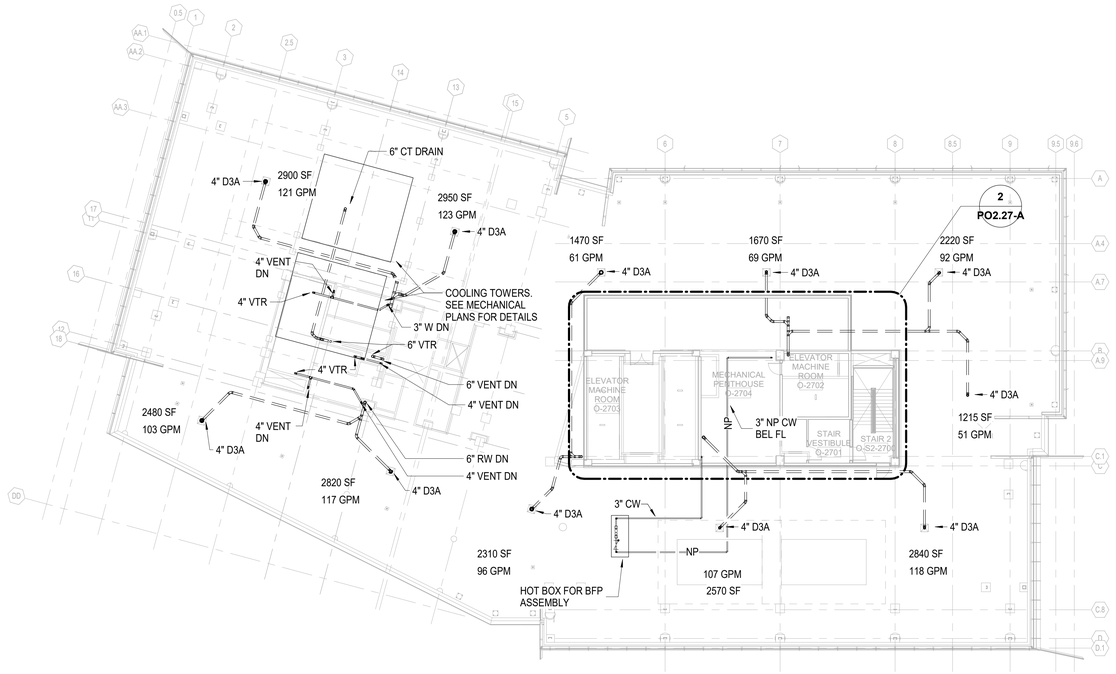
RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PO2.25-A

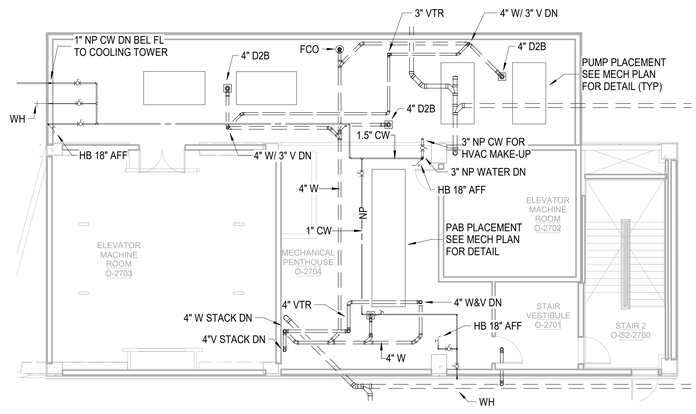
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ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO2.25A - PLUMBING PLAN - FLOOR 25 & 26 - AREA A
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Office Building REDO_R19.rvt
11/27/2019 12:07:47 PM



1 PO2.27-A PLUMBING PLAN - LOW ROOF/MECHANICAL PENTHOUSE - AREA A
SCALE: 1/16" = 1'-0"



2 PO2.27-A PLUMBING ENLARGED PLAN - MECHANICAL PENTHOUSE
SCALE: 1/8" = 1'-0"

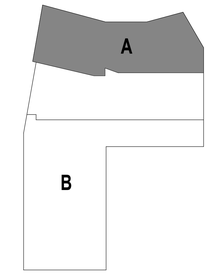
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No. 17027
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ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019



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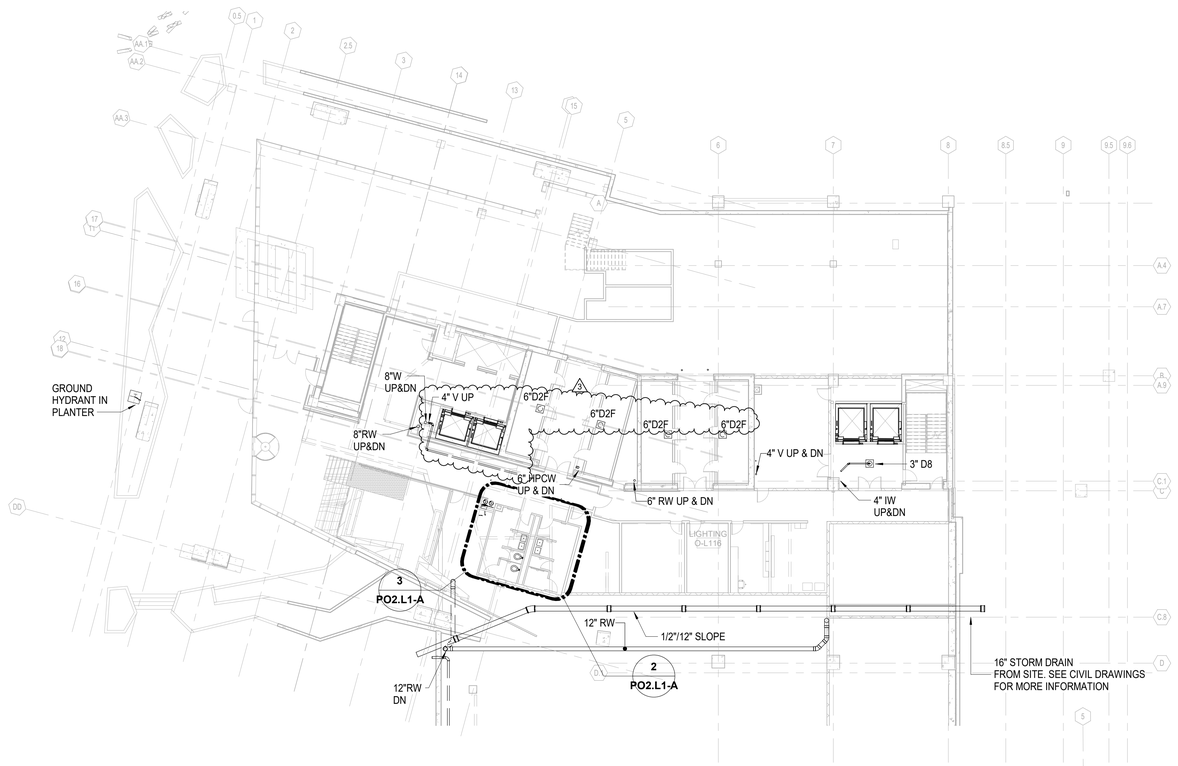
PLUMBING PLAN - LOW ROOF/MECHANICAL PENTHOUSE - AREA A

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

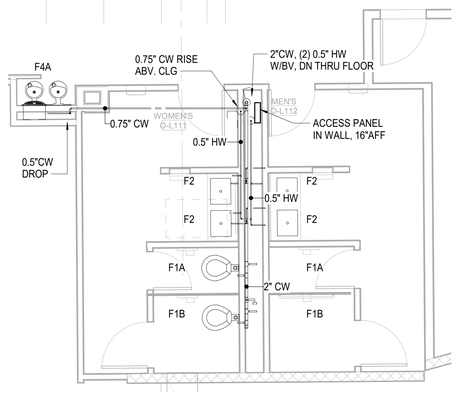
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Drawing No.

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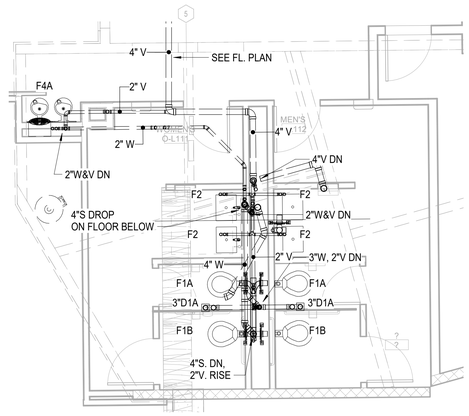
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SHEET NUMBER: PO2.27-A - PLUMBING PLAN - LOW ROOF/MECHANICAL PENTHOUSE - AREA A
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Office Building REDO_R19.rvt
11/27/2019 12:08:00 PM



1 PO2.L1-A — PLUMBING PLAN - FLOOR L1 (OFFICE LOWER LOBBY) - AREA A
SCALE: 1/16" = 1'-0"



3 PO2.L1-A — PLUMBING PART PLAN - FLOOR L1 - UNISEX TOILET ROOMS - PRESSURE
SCALE: 1/4" = 1'-0"



2 PO2.L1-A — PLUMBING PART PLAN - FLOOR L1 - UNISEX TOILET ROOMS - WASTE
SCALE: 1/4" = 1'-0"

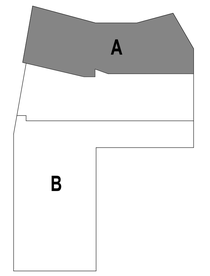
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ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019
2	ASI-001	2/7/2020
3	WCRP-001	3/31/2020
	Elec Dist Pricing	3/13/2020



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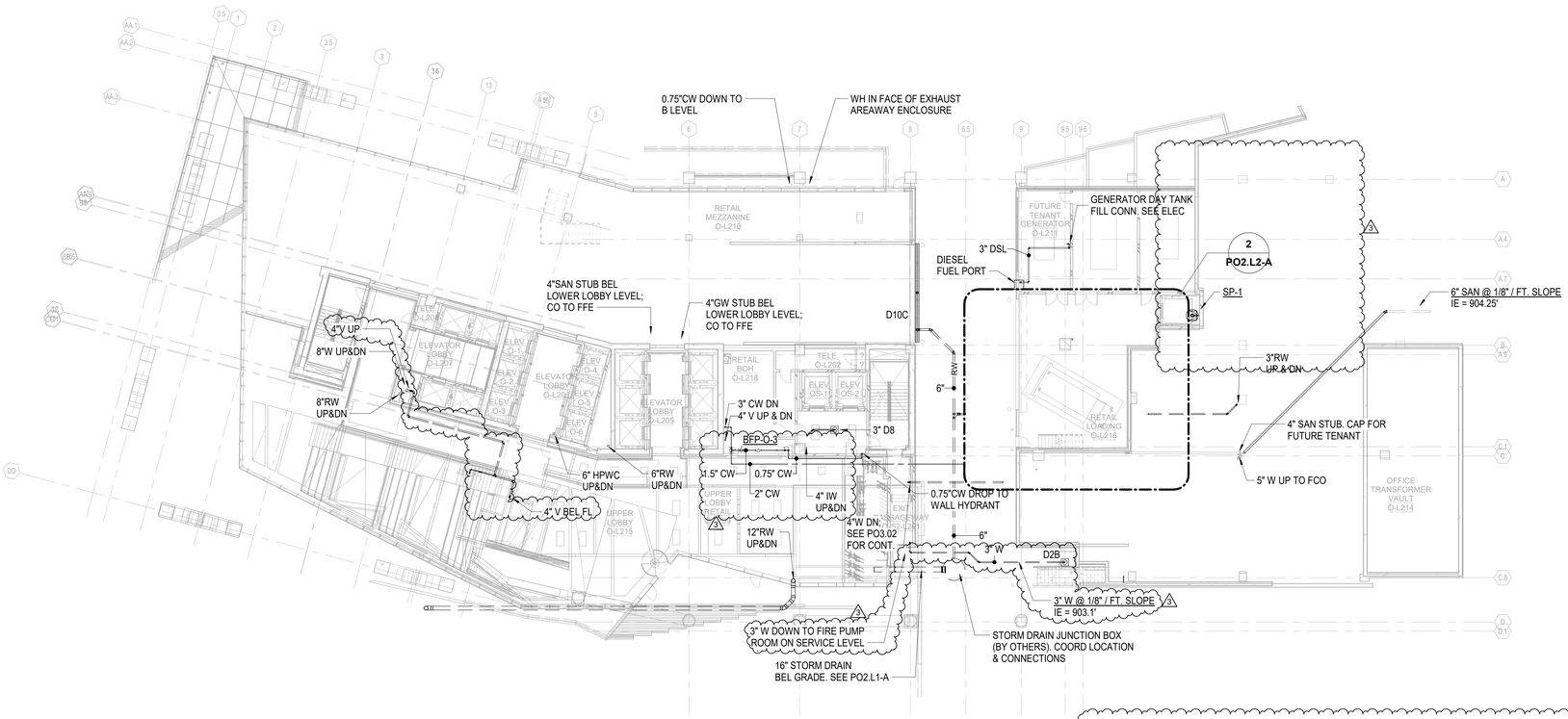
PLUMBING PLAN - FLOOR L1 (OFFICE LOWER LOBBY) - AREA A

RZH Principal-in-Charge	20170324 Project No.
HPL Project Manager	12/04/19 Date
DMC Project Engineer	
VMT Staff Engineer	

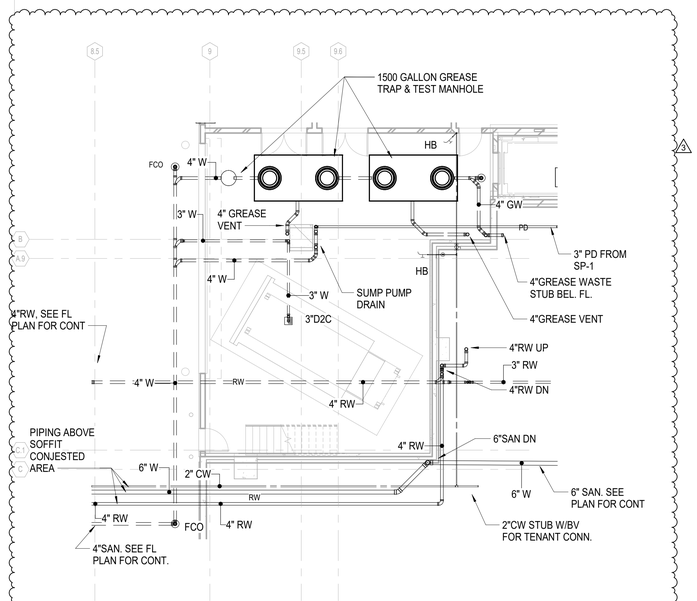
PO2.L1-A
Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO2.L1A - PLUMBING PLAN - FLOOR L1 (OFFICE LOWER LOBBY) - AREA A
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3/20/2020 3:55:29 PM



1 PO2.L2-A — PLUMBING PLAN - FLOOR L2 (OFFICE UPPER LOBBY) - AREA A
SCALE: 1/16" = 1'-0"



2 PO2.L2-A — OFFICE RETAIL LOADING DOCK
SCALE: 1/8" = 1'-0"

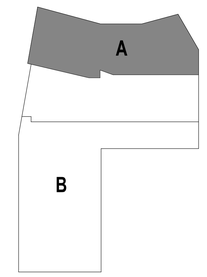
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GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT A. HOWELL No. 17207
12/6/19

ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019
2	ASI-001	2/7/2020
3	WCRP-001	3/31/2020



MIDTOWN UNION

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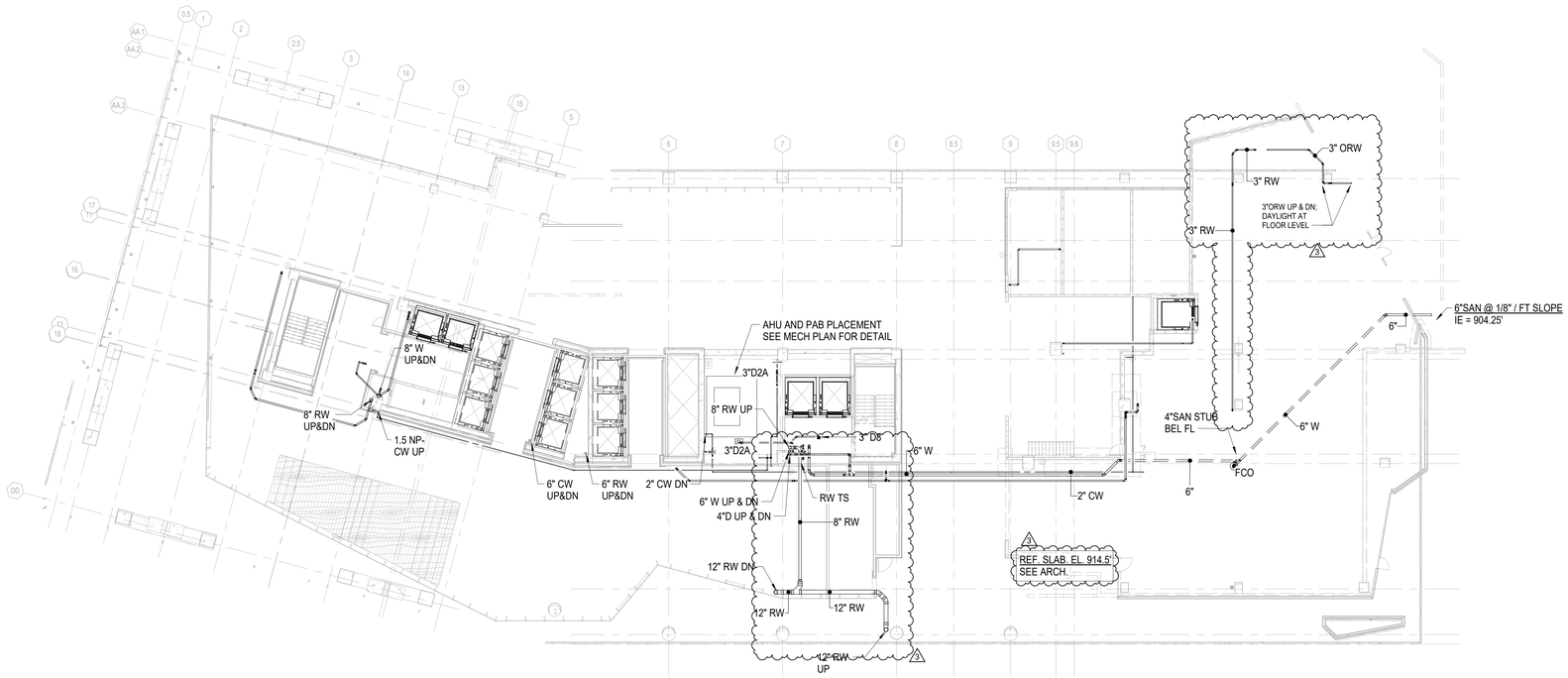
PLUMBING PLAN - FLOOR L2 (OFFICE UPPER LOBBY) - AREA A

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PO2.L2-A
Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO2.L2-A - PLUMBING PLAN - FLOOR L2 (OFFICE UPPER LOBBY) - AREA A
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Office Building REDO_R19.rvt
3/26/2020 1:26:16 PM



1 PO2.L3-A PLUMBING PLAN - FLOOR L3 (OFFICE WEST PEACHTREE RETAIL) - AREA A
SCALE: 1/16" = 1'-0"

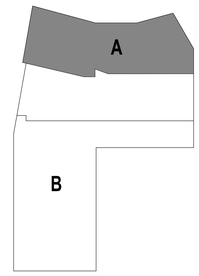
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GEORGIA REG. 17027 PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/6/19

ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019
2	ASI-001	2/7/2020
3	WCRP-001	3/31/2020



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PLUMBING PLAN - FLOOR L3 (OFFICE WEST PEACHTREE RETAIL) - AREA A

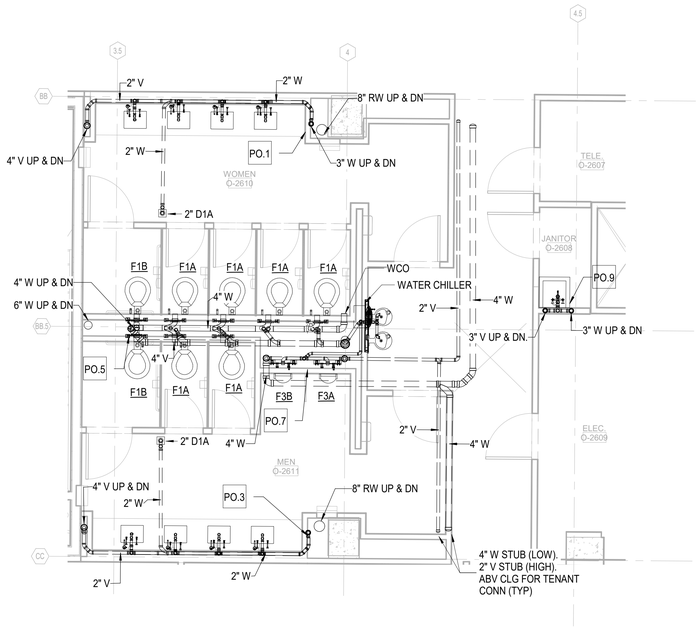
RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PO2.L3-A

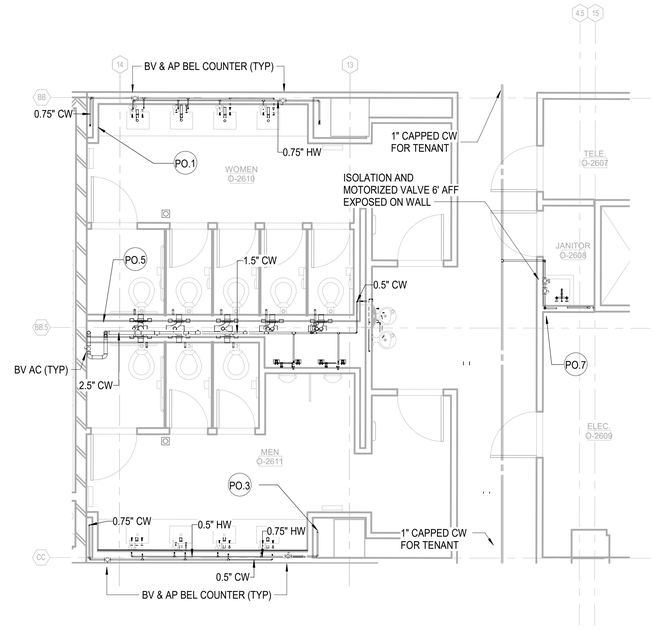
Drawing No.

ISSUED FOR CONSTRUCTION

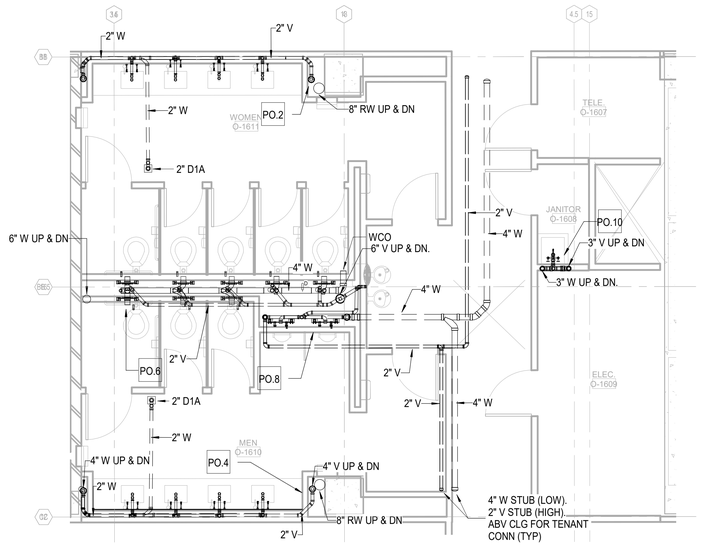
PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO2.L3A - PLUMBING PLAN - FLOOR L3 (OFFICE WEST PEACHTREE RETAIL) - AREA A
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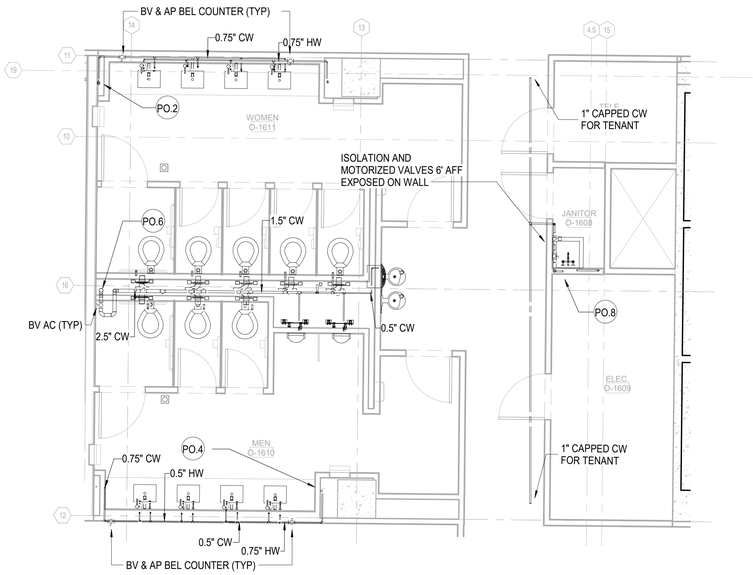
1 PO3.01 — PLUMBING PART PLAN - WASTE - CORE TOILETS TYP 17 - 26
SCALE: 1/4" = 1'-0"



2 PO3.01 — PLUMBING PART PLAN - PRESSURE - CORE TOILETS - TYP 17 - 26
SCALE: 1/4" = 1'-0"



3 PO3.01 — PLUMBING PART PLAN - WASTE - CORE TOILET - TYP 9 - 16
SCALE: 1/4" = 1'-0"



4 PO3.01 — PLUMBING PART PLAN - PRESSURE -CORE TOILET - TYP 9-16
SCALE: 1/4" = 1'-0"

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N&B PROJECT:17N402

GEORGIA
No. 17227
PROFESSIONAL
ENGINEER
ROBERT A. HOWELL
12/6/19

ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019

MIDTOWN UNION

1331 SPRING ST NW, ATLANTA, GA 30309

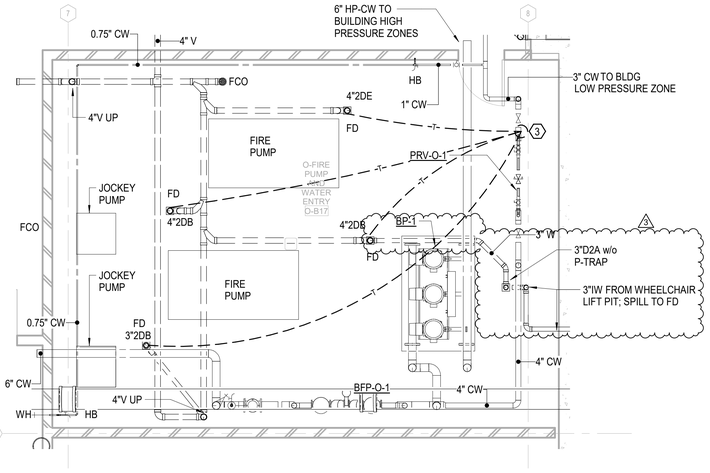
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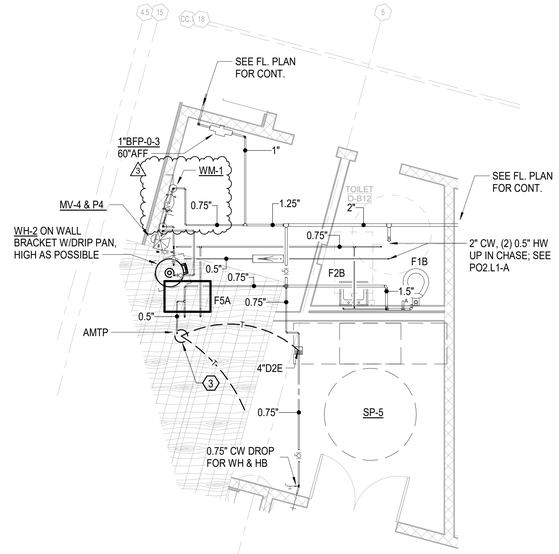
PLUMBING ENLARGED PLANS - CORE TOILETS

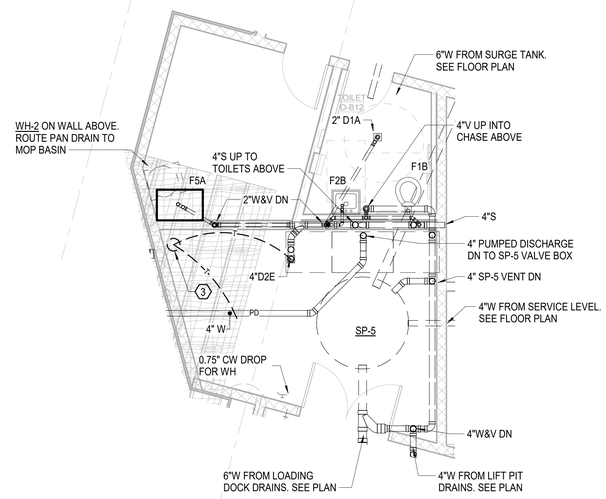
RZH Principal-in-Charge	20170324 Project No.
HPL Project Manager	12/04/19 Date
DMC Project Engineer	
VMT Staff Engineer	PO3.01 Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO3.01 - PLUMBING ENLARGED PLANS - CORE TOILETS
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11/27/2019 12:08:40 PM







1 FIRE PUMP AND WATER SERVICE ROOM

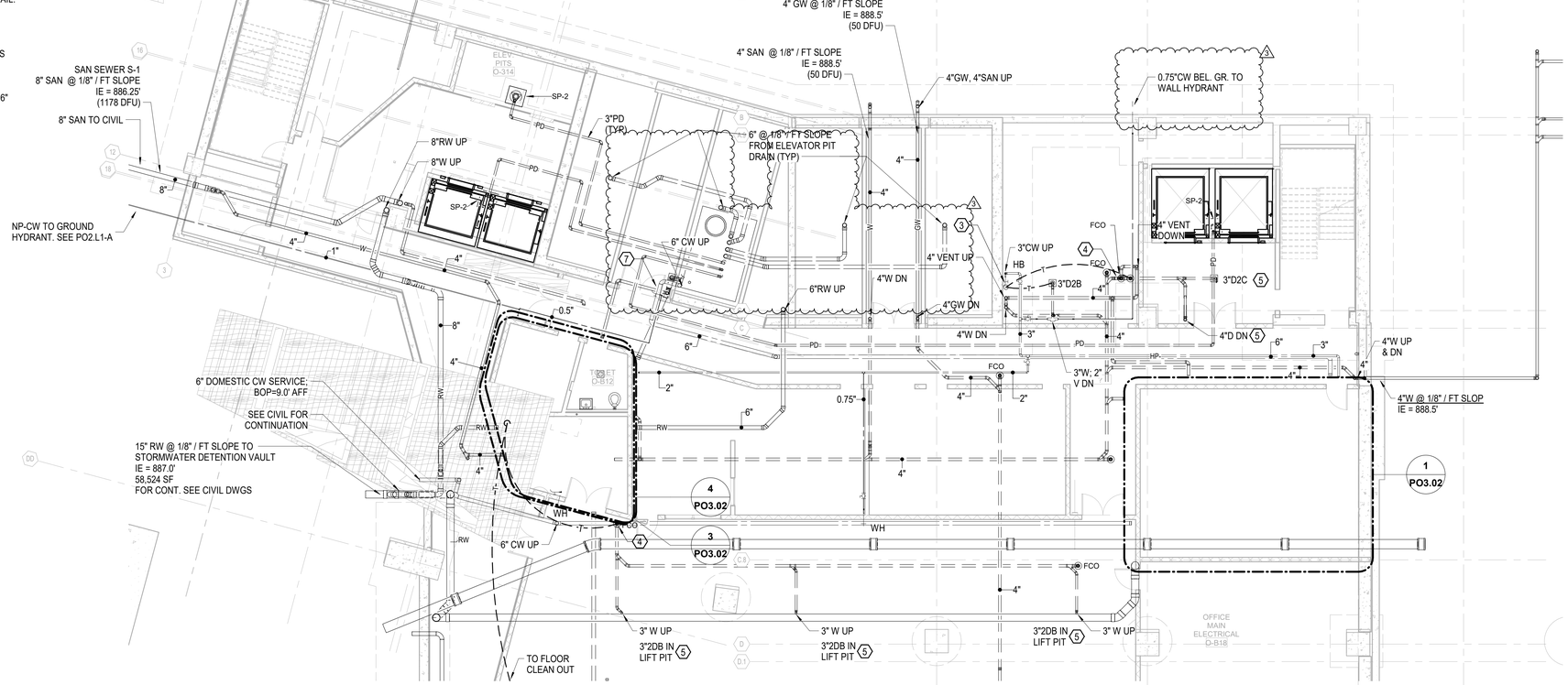
1/4" = 1'-0"

PLUMBING KEYNOTES:

1. FIRE PROTECTION AND HVAC EQUIPMENT SHOWN FOR COORDINATION PURPOSES ONLY. SEE RESPECTIVE TRADES FOR EXACT INFORMATION.
2. SLEEVE AND SEAL WALL PENETRATIONS (TYP)
3. 0.5" TRAP PRIMER PIPING ABOVE FLOOR
4. RUNNING TRAP WITH CLEANOUT TO FINISHED FLOOR ELEVATION FOR INDIRECT WASTE SYSTEMS WITH TRAP PRIMER CONNECTIONS. SEE DETAIL.
5. INDIRECT DRAINAGE W/O P-TRAP
6. PRECAST CONCRETE SURGE TANK ON FLOOR, FOR SUMP PUMP DISCHARGE. APPROX. DIMENSIONS: 8' W x 12' L x 7' H. PROVIDE OPENINGS FOR (7)-3" PUMP DISCHARGE INLETS, 4" LOCAL VENT, 18" MANWAY & 6" DRAIN OUTLET.
7. 6" LARGE, DEEP DRAIN FOR SURGE TANK, SIMILAR TO JR SMITH 2450, W/ 6" P-TRAP, 4" VENT AND CLEANOUT. PROVIDE HB FOR TRAP SEAL PROTECTION.

4 PO3.02 SERVICE LVL. PRESSURE - TLT /JAN / EJECTOR
SCALE: 1/4" = 1'-0"

3 PO3.02 SERVICE LVL. DRAINAGE - TLT / JAN / EJECTOR
SCALE: 1/4" = 1'-0"



2 PO3.02 PLUMBING PLAN - SERVICE LEVEL - AREA A.
SCALE: 1/8" = 1'-0"

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REGISTERED No. 17027 PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/6/19

ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019
2	ASI-001	2/7/2020
3	WCRP-001	3/31/2020

MIDTOWN UNION

1331 SPRING ST NW, ATLANTA, GA 30309

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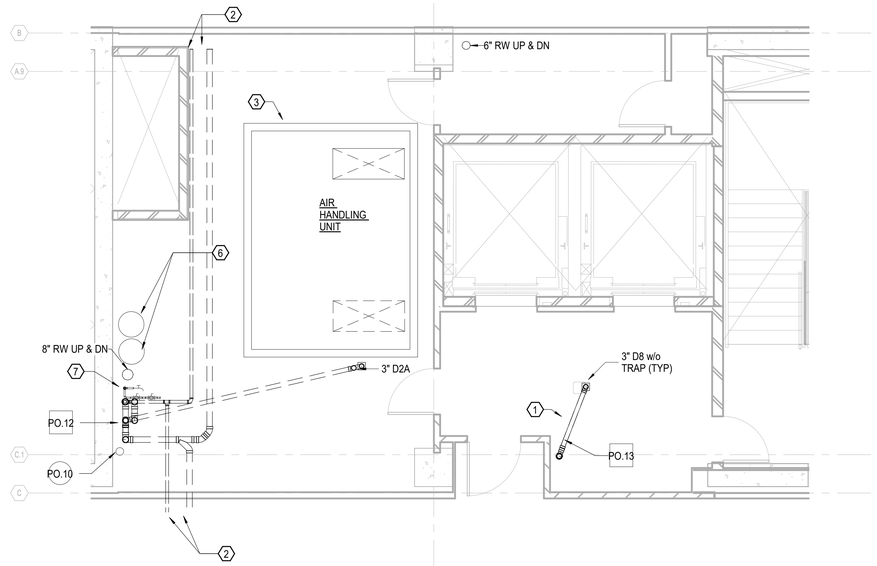
PLUMBING ENLARGED PLANS - SERVICE LEVEL

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

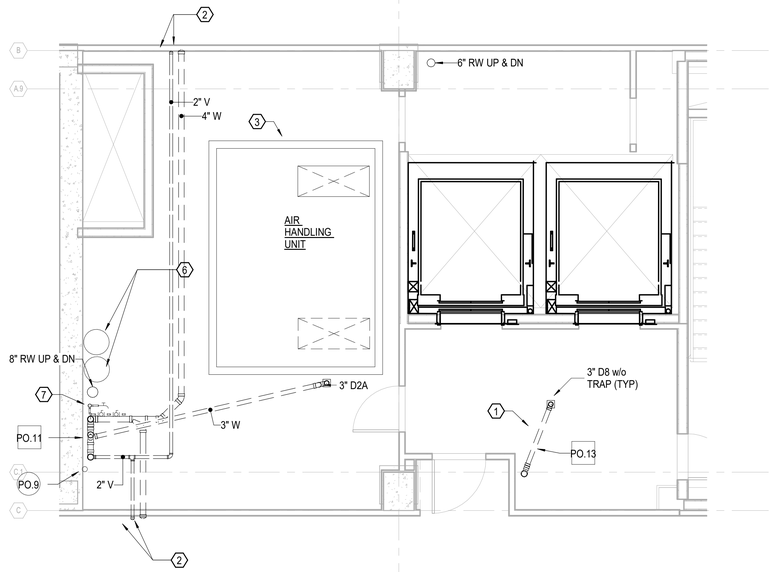
PO3.02
Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO3.02 - PLUMBING ENLARGED PLANS - SERVICE LEVEL
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3/20/2020 3:56:01 PM



1 PO3.03 PLUMBING ENLARGED PLAN - TYP MECHANICAL ROOM FLOOR 9 THRU 16
SCALE: 1/4" = 1'-0"



2 PO3.03 PLUMBING ENLARGED PLAN - TYP MECHANICAL ROOM - FLOOR 18 THRU 26
SCALE: 1/4" = 1'-0"

3 PO3.03 PLUMBING ENLARGED PLAN - TYP MECHANICAL ROOM - FLOOR 17
SCALE: 1/4" = 1'-0"

4 PO3.03 PLUMBING ENLARGED PLAN - TYP MECHANICAL ROOM - FLOOR 9 AND 25
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. 3" FD IN THE FIRE SAFETY ACCESS ROOM WITH A 2% SLOPE
2. 4"W/V STACK. PROVIDE 4" WASTE PLUGGED OUTLET AND 2" VENT PLUGGED OUTLET FOR TENANT USE, 4"VTR
3. AHU AND PAB PLACEMENT. SEE MECHANICAL PLAN FOR DETAILS
4. PRV ASSEMBLY. SEE SHEET PO5.01 FOR DETAIL
5. ON FLOORS 9 AND 25 THERE IS A WATER HEATER WITH NO PRV ASSEMBLY. THE TENANT OUTLETS SHOWN ARE FOR FLOOR 25. FLOOR 9 OUTLETS ARE AS SHOWN ON 1/PO3.03-A
6. HVAC PIPING RISERS; SEE MECH. DWGS
7. HB RISER W/VB @ 18" AFF, & 1" CW TENANT WATER STUB @ 10' AFF.
8. MIXING VALVE ASSEMBLY. SEE 4/PO5.01 FOR DETAIL
9. 3" CW BRANCH ON 25TH FL ONLY

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GEORGIA
No. 17227
PROFESSIONAL
ENGINEER
ROBERT A. HOWELL
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ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019
3	WCRP-001	3/31/2020

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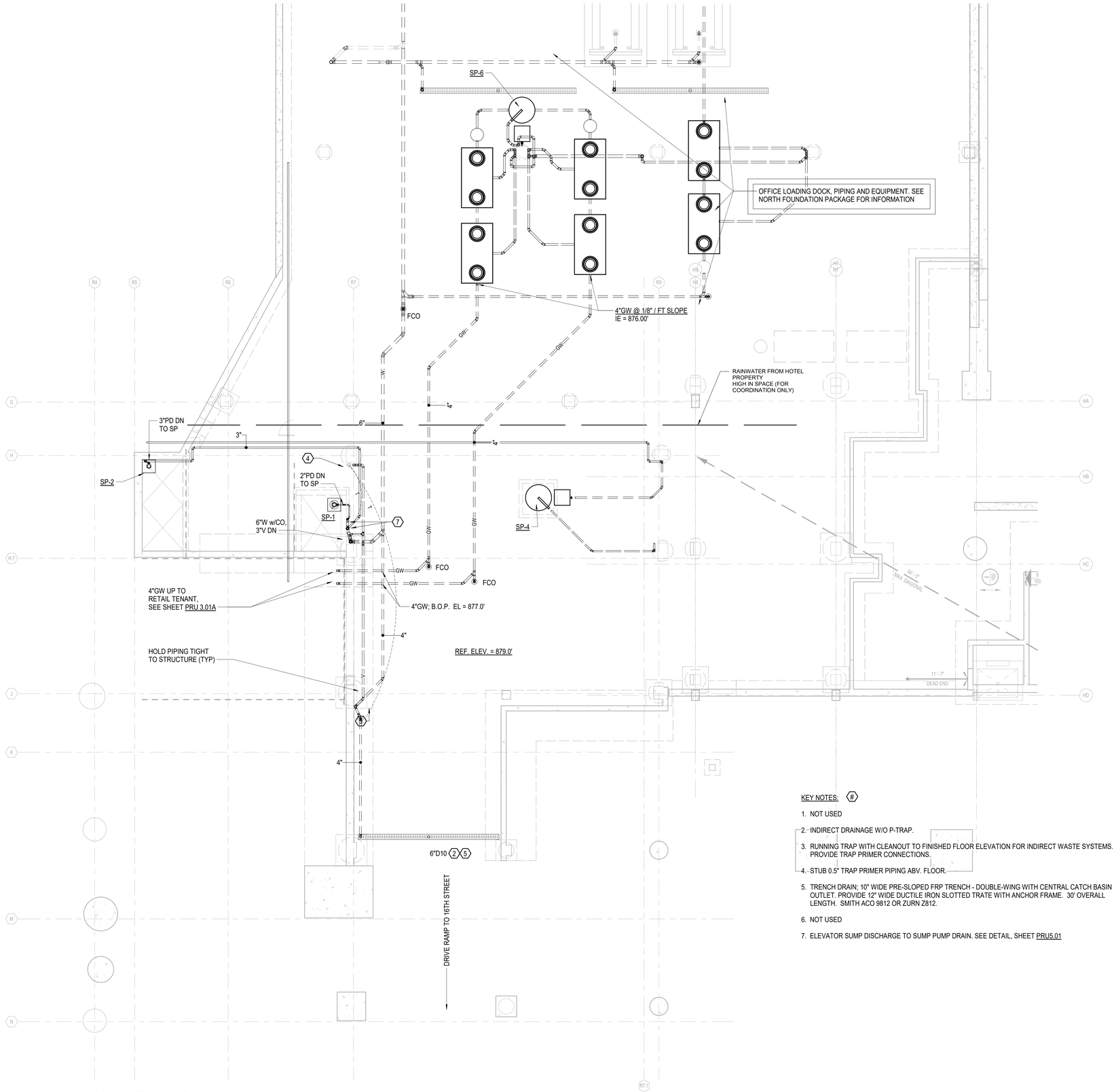
PLUMBING ENLARGED PLAN - MECHANICAL ROOMS

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
DMC	
Staff Engineer	

PO3.03
Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO3.03 - PLUMBING ENLARGED PLAN - MECHANICAL ROOMS
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3/20/2020 4:11:02 PM



KEY NOTES: (#)

1. NOT USED
2. INDIRECT DRAINAGE W/O P-TRAP.
3. RUNNING TRAP WITH CLEANOUT TO FINISHED FLOOR ELEVATION FOR INDIRECT WASTE SYSTEMS. PROVIDE TRAP PRIMER CONNECTIONS.
4. STUB 0.5" TRAP PRIMER PIPING ABV. FLOOR.
5. TRENCH DRAIN; 10" WIDE PRE-SLOPED FRP TRENCH - DOUBLE-WING WITH CENTRAL CATCH BASIN OUTLET. PROVIDE 12" WIDE DUCTILE IRON SLOTTED TRATE WITH ANCHOR FRAME. 30' OVERALL LENGTH. SMITH ACO 9812 OR ZURN Z812.
6. NOT USED
7. ELEVATOR SUMP DISCHARGE TO SUMP PUMP DRAIN. SEE DETAIL, SHEET PRU5.01

1 / PO3.04-A — PLUMBING PLAN - SERVICE LEVEL - UNDERGROUND AREA B
SCALE: 1/8" = 1'-0"

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GEORGIA — No. 17027 — PROFESSIONAL ENGINEER — ROBERT A. HOWELL
12/6/19

ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019

A
B

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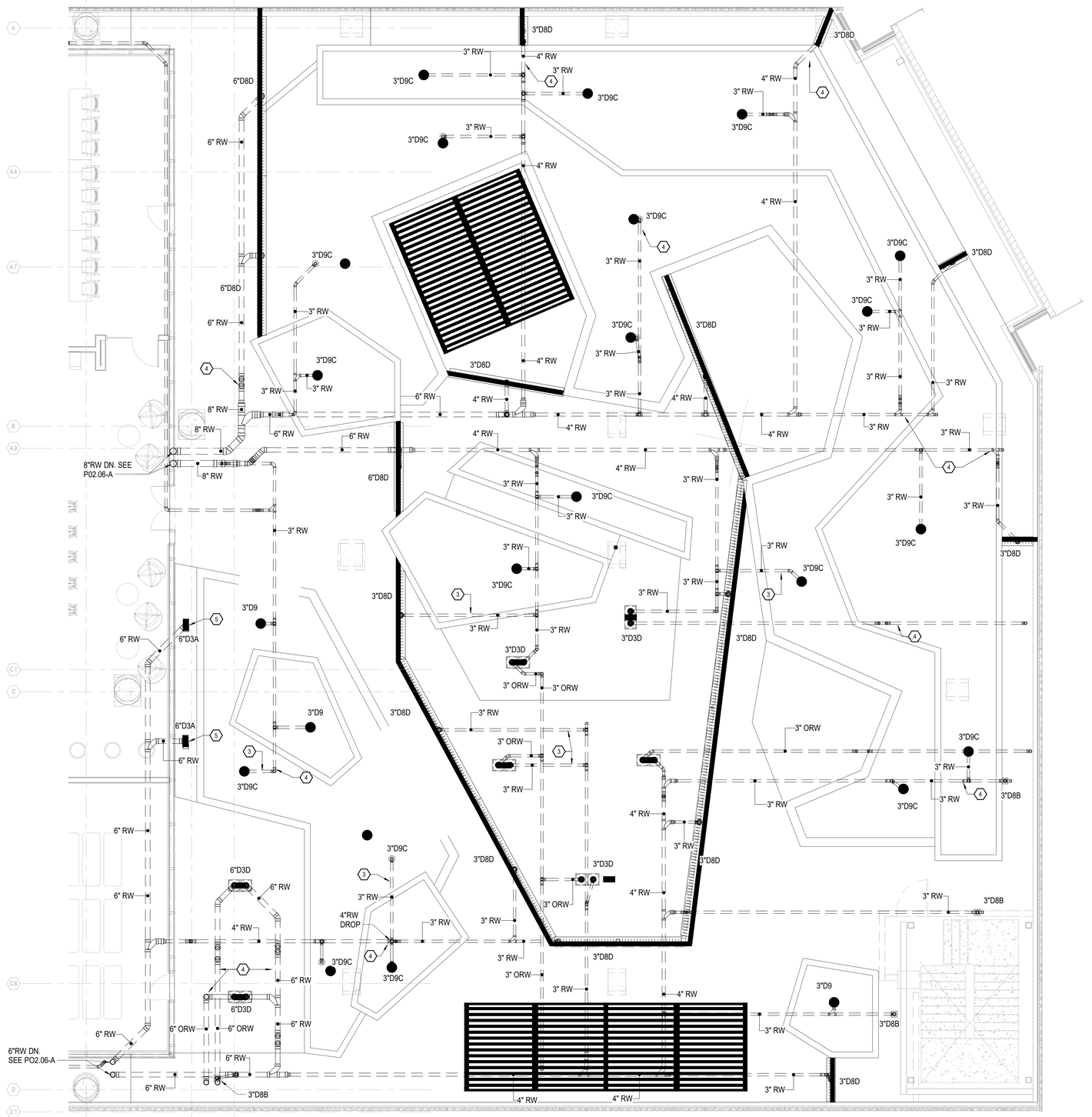
PLUMBING ENLARGED PLAN - SERVICE LEVEL, PART B

RZH — Principal-in-Charge	20170324 — Project No.
HPL — Project Manager	12/04/19 — Date
DMC — Project Engineer	
DMC — Staff Engineer	

PO3.04-A — Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: P03.04-A - PLUMBING ENLARGED PLAN - SERVICE LEVEL, PART B
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11/27/2019 12:09:06 PM



1 PO3.05 PLUMBING - OFFICE LEVEL 8 AMENITY - LANDSCAPE
SCALE: 3/16" = 1'-0"

NOTES:

1. AMENITY DECK ANTICIPATES 9" - 12" CONCRETE TOPPING SLAB ABOVE STRUCTURAL SLAB. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION AND DETAILS.
2. DRAIN BODIES GENERALLY SET WITHIN THE TOPPING SLAB, WITH OUTLETS PIPED THRU STRUCTURAL SLAB BELOW. DRAIN PLACEMENT AND PIPING SHOWN THIS SHEET GENERALLY AVOIDS CONFLICTS WITH STRUCTURE. COORDINATE WITH STRUCTURE IN THE FIELD.
3. HOLD PIPING HIGH IN STRUCTURAL SPACE WHERE POSSIBLE.
4. DROP BELOW STRUCTURE AND HOLD TIGHT AT CROSSING.
5. COORDINATE WITH STRUCTURE AND SLEEVE DEEP BEAM WHERE NOTED.
6. HOLD SECONDARY DRAIN AS HIGH AS POSSIBLE THRU DECK RUN TO PERIMITER OF DECK; TURN DRAIN DOWN AND DISCHARGE TO LEVEL BELOW.

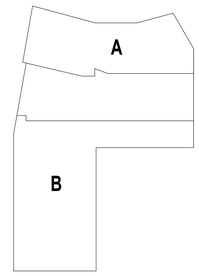
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GEORGIA PROFESSIONAL ENGINEER ROBERT A. HOWELL
3/31/20

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No.	Drawing Issue Description	Date
3	WCRP-001	3/31/2020



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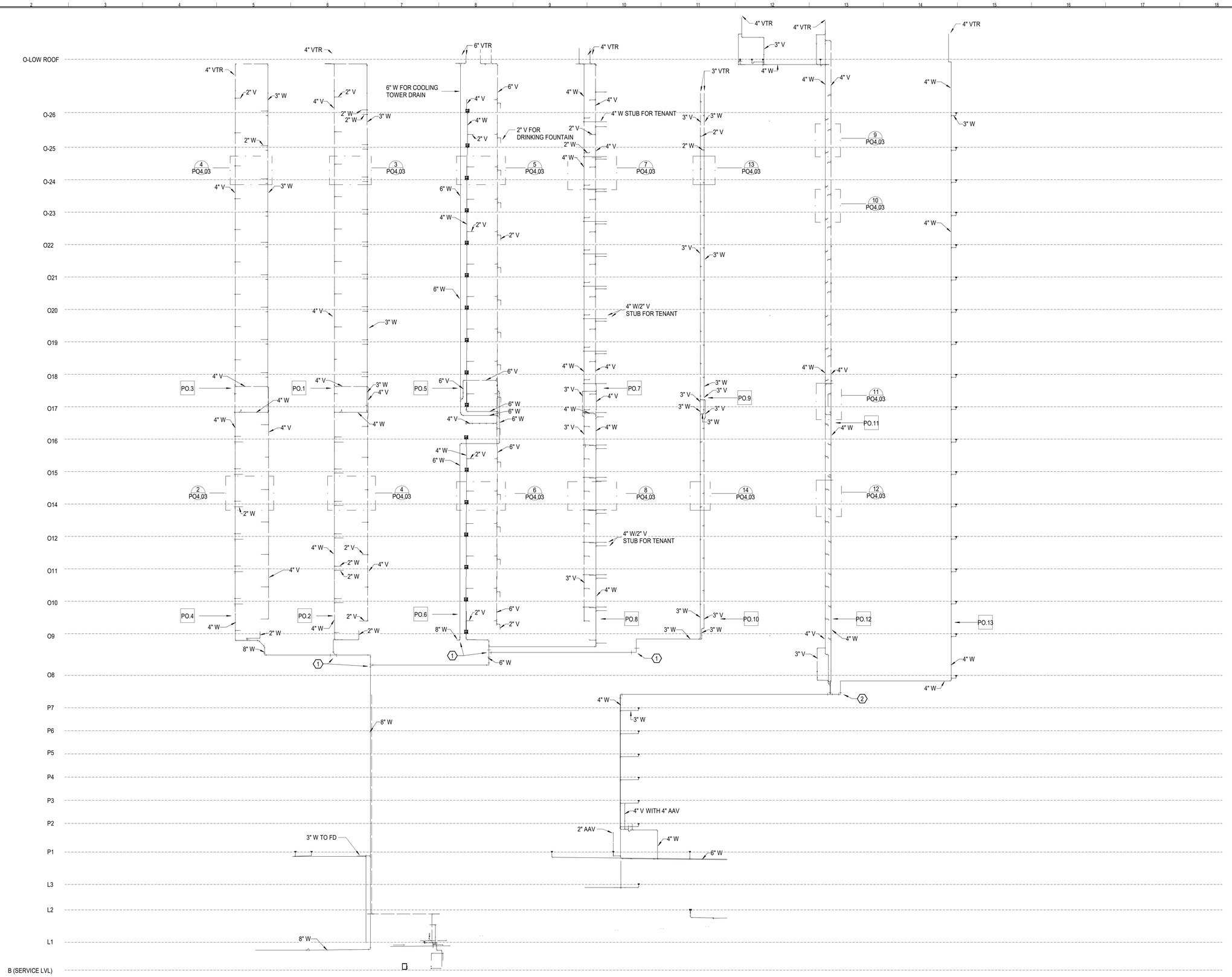
PLUMBING - AMENITY LEVEL LANDSCAPE PLAN

RAH	20170324
Principal-in-Charge	Project No.
HPL	03/23/20
Project Manager	Date
DMC	
Project Engineer	
DMC	
Staff Engineer	

PO3.05
Drawing No.

FOR INFORMATION ONLY - NOT ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO3.05 - PLUMBING - AMENITY LEVEL LANDSCAPE PLAN
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3/23/2020 1:46:26 PM



KEY NOTES:

1. SCHEMATIC OF BASE OF STACK CONNECTION.
   FOR ACTUAL CONNECTIONS SEE DETAIL 3/PO2.08-A

2. SCHEMATIC FOR BASE OF STACK CONNECTION.
   FOR ACTUAL CONNECTIONS SEE 1/PO2.06-A

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ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019

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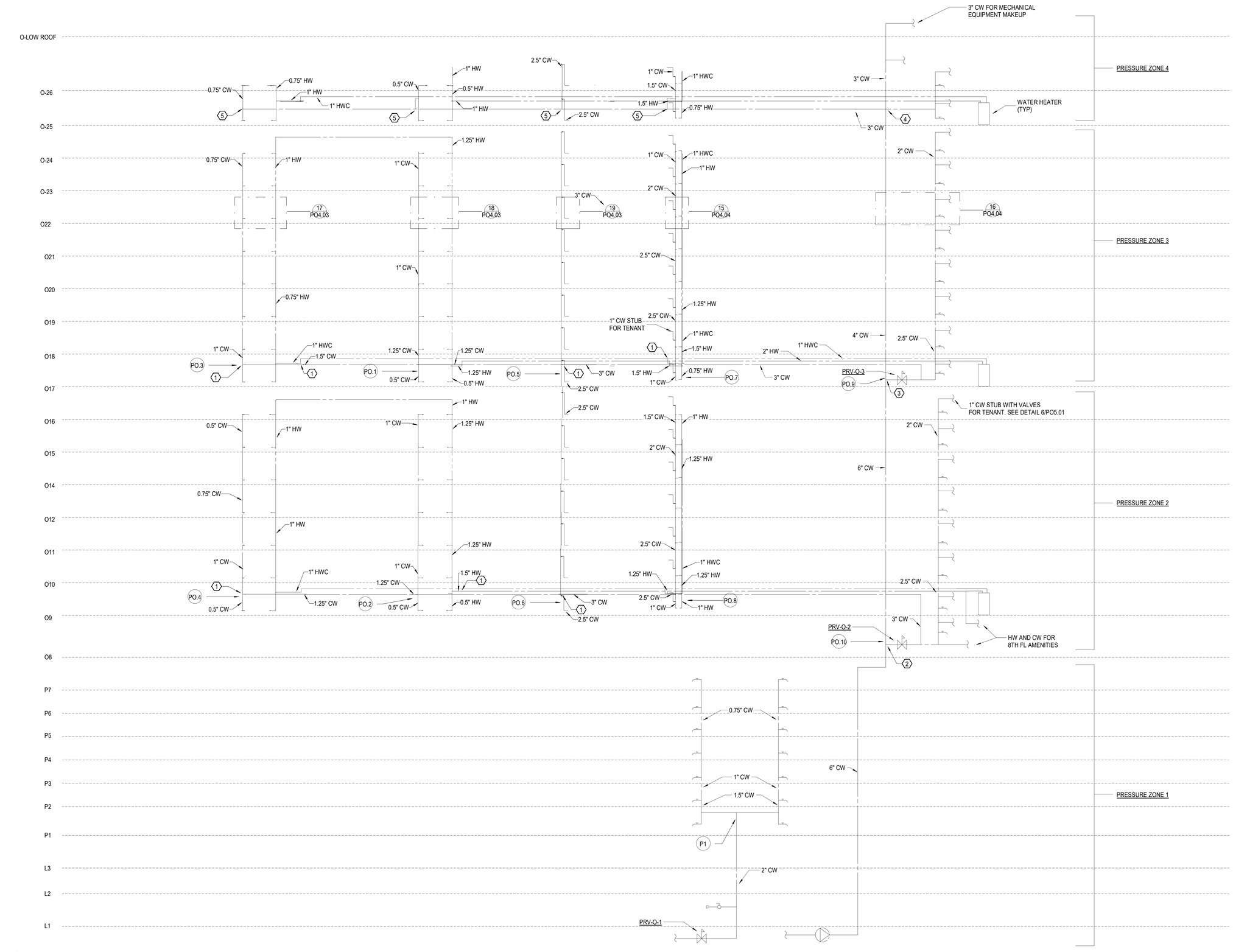
METLIFE

PLUMBING FLAT RISERS - WASTE AND VENT

RZH Principal-in-Charge	20170324 Project No.
HPL Project Manager	12/04/19 Date
DMC Project Engineer	
DMC Staff Engineer	
	PO4.01 Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO4.01 - PLUMBING FLAT RISERS - WASTE AND VENT
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11/27/2019 12:09:12 PM



KEY NOTES:

1. SCHEMATIC OF DISTRIBUTION CONNECTIONS. FOR ACTUAL CONNECTIONS SEE DETAIL 4/PO2.16-A
2. SCHEMATIC OF CONNECTIONS IN MECHANICAL ROOM. FOR ACTUAL CONNECTION SEE DETAIL 2/PO2.08-A
3. SCHEMATIC OF CONNECTIONS IN MECHANICAL ROOM. FOR ACTUAL CONNECTIONS SEE DETAIL 3/PO3.03
4. SCHEMATIC OF CONNECTIONS IN MECHANICAL ROOM. FOR ACTUAL CONNECTIONS SEE DETAIL 4/PO3.03
5. SCHEMATIC OF DISTRIBUTION CONNECTIONS. FOR ACTUAL CONNECTIONS SEE DETAIL 4 PO2.25-A

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO4.02 - PLUMBING FLAT RISERS - PRESSURE
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ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019

MIDTOWN UNION

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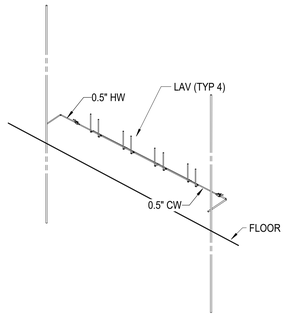
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PLUMBING FLAT RISERS - PRESSURE

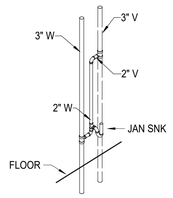
RZH Principal-in-Charge	20170324 Project No.
HPL Project Manager	12/04/19 Date
DMC Project Engineer	
DMC Staff Engineer	

PO4.02
Drawing No.

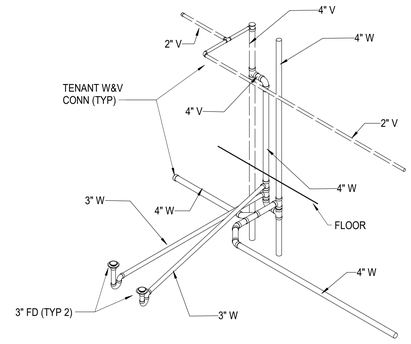
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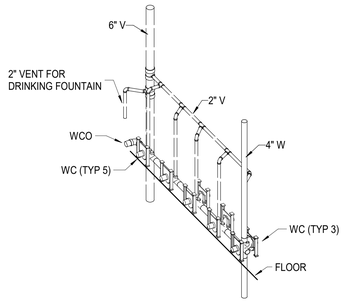
17 PO4.03 SCALE: SOUTH LAVATORY - DETAIL VIEW



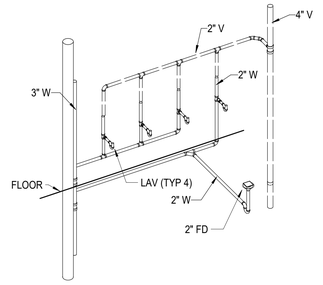
13 PO4.03 SCALE: JANITOR CLOSET - DETAIL VIEW - TYP FLOORS 17-26



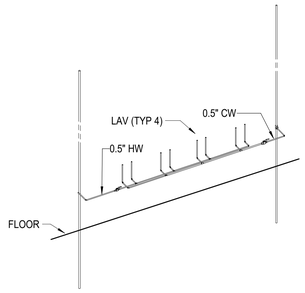
9 PO4.03 SCALE: MECHANICAL ROOM - DETAIL VIEW - FLOOR 25



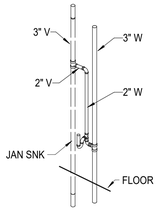
5 PO4.03 SCALE: WATER CLOSET - DETAIL VIEW - TYP FLOORS 17-26



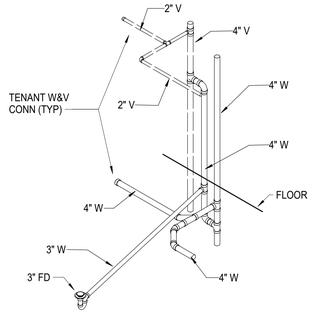
1 PO4.03 SCALE: SOUTH LAVATORY - DETAIL VIEW - TYP FLOORS 18-26



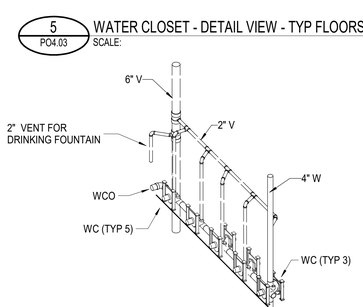
18 PO4.03 SCALE: NORTH LAVATORY - DETAIL VIEW



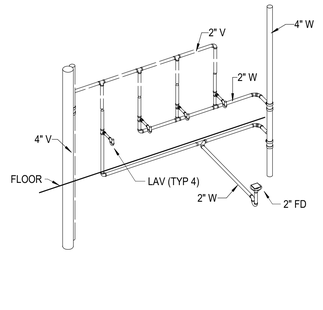
14 PO4.03 SCALE: JANITOR CLOSET - DETAIL VIEW - TYP FLOORS 9-16



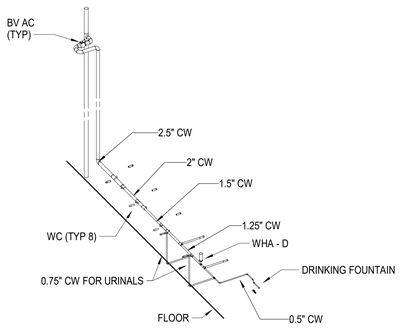
10 PO4.03 SCALE: MECHANICAL ROOM - DETAIL VIEW - TYP FLOORS 18-26



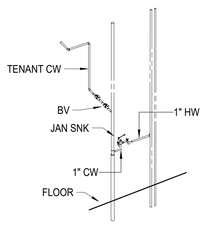
6 PO4.03 SCALE: WATER CLOSET - DETAIL VIEW - TYP FLOORS 9-16



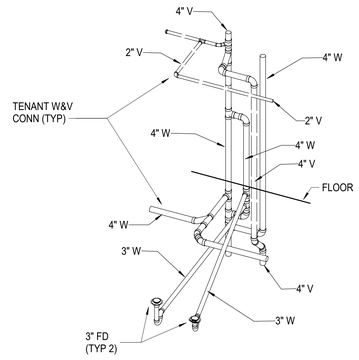
2 PO4.03 SCALE: SOUTH LAVATORY - DETAIL VIEW - TYP FLOORS 9-17



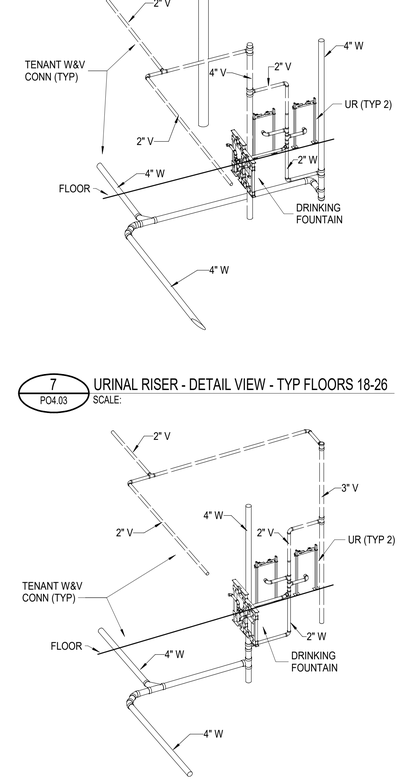
19 PO4.03 SCALE: WATER CLOSET & URINAL - DETAIL VIEW



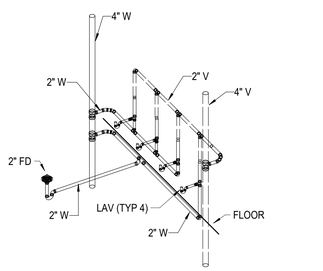
15 PO4.03 SCALE: JANITOR CLOSET - DETAIL VIEW



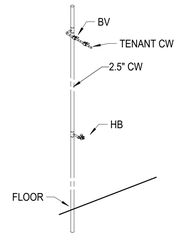
11 PO4.03 SCALE: MECHANICAL ROOM - DETAIL VIEW - FLOOR 17



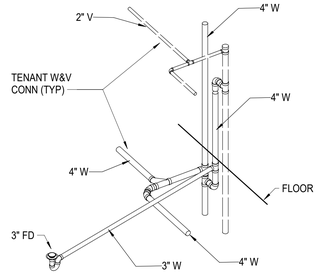
7 PO4.03 SCALE: URINAL RISER - DETAIL VIEW - TYP FLOORS 18-26



3 PO4.03 SCALE: NORTH LAVATORY - DETAIL VIEW - TYP FLOORS 17-26



16 PO4.03 SCALE: MECHANICAL ROOM - DETAIL VIEW



12 PO4.03 SCALE: MECHANICAL ROOM - DETAIL VIEW - TYP FLOORS 9-16

8 PO4.03 SCALE: URINAL RISER - DETAIL VIEW - TYP FLOORS 9-17

4 PO4.03 SCALE: NORTH LAVATORY - DETAIL VIEW - TYP FLOORS 9-16

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N&B PROJECT:17N402

GEORGIA
No. 17227
PROFESSIONAL
ENGINEER
ROBERT A. HOWELL
12/6/19

ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019

MIDTOWN UNION

1331 SPRING ST NW, ATLANTA, GA 30309

METLIFE

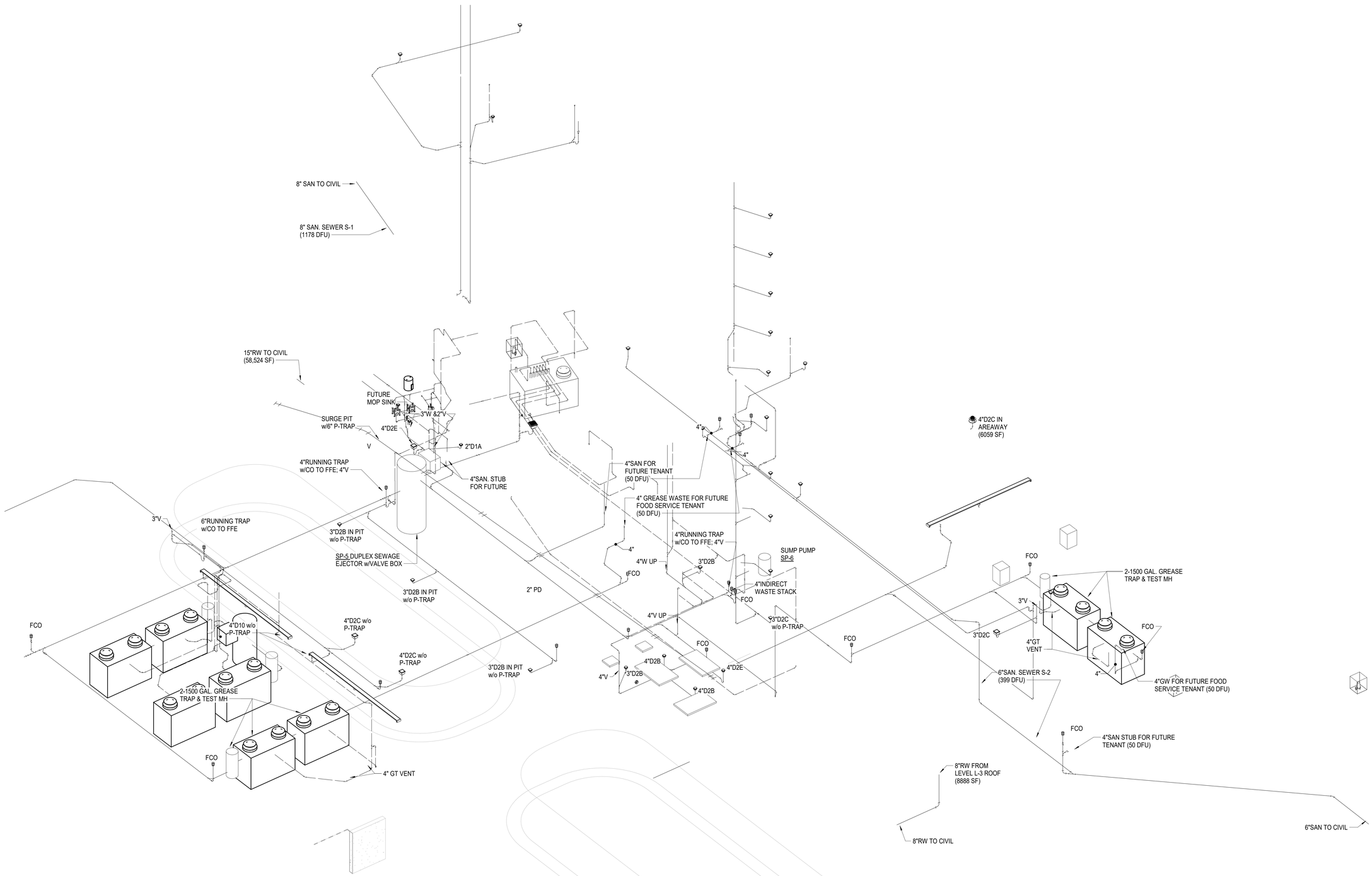
PLUMBING FLAT RISER DETAILS

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
DMC	
Staff Engineer	

PO4.03
Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO4.03 - PLUMBING FLAT RISER DETAILS
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11/27/2019 12:09:26 PM



1 PO4.04 UNDERGROUND WASTE AND VENT RISER DIAGRAM - B
SCALE:

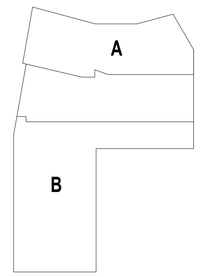
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10/14/19

ISSUANCES		
No.	Drawing Issue Description	Date
2	ASI-001	2/7/2020



MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

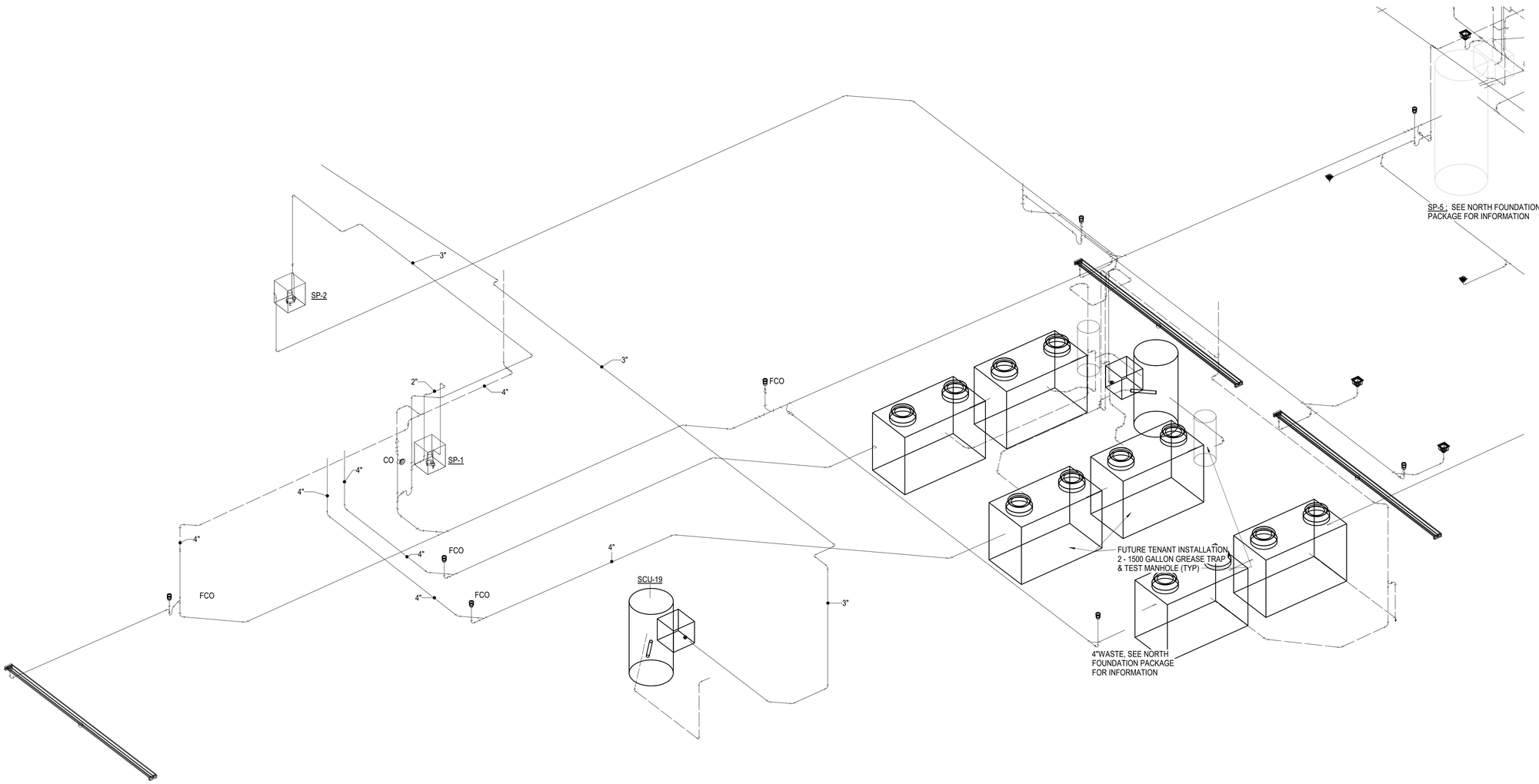
METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING WASTE & VENT RISER DIAGRAM

Designer	20170324
Principal-in-Charge	Project No.
Approver	01/15/20
Project Manager	Date
Checker	
Project Engineer	
Author	PO4.04
Staff Engineer	2
	Drawing No.

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PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO4.04 - PLUMBING WASTE & VENT RISER DIAGRAM
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Office Building REDO_R19.rvt
2/7/2020 12:22:49 PM



1 PO4.05 UNDERGROUND WASTE AND VENT RISER DIAGRAM - SERVICE LEVEL - A

SCALE:

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ISSUANCES		
No.	Drawing Issue Description	Date
2	ASI-001	2/7/2020

A

B

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METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING WASTE & VENT RISER DIAGRAM

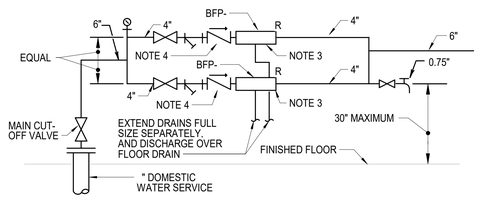
Designer	20170324
Principal-in-Charge	Project No.
Approver	01/15/20
Project Manager	Date
Checker	
Project Engineer	
Author	
Staff Engineer	

PO4.05 2

Drawing No.

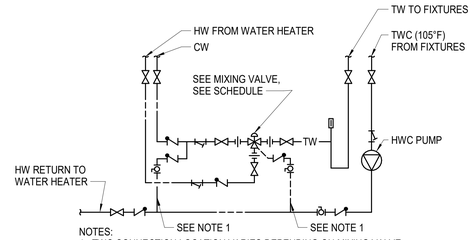
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PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO4.05 - PLUMBING WASTE & VENT RISER DIAGRAM
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2/7/2020 12:22:55 PM



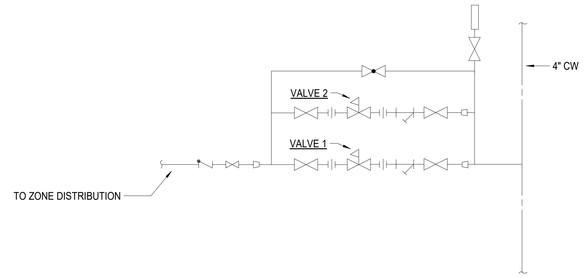
NOTES:
1. SEE SCHEDULES FOR BACKFLOW PREVENTERS.
2. PROVIDE BLOWDOWN BALL VALVE AND CAP ON EACH STRAINER.
3. BFP ASSEMBLY INCLUDES INLET AND OUTLET ISOLATION VALVES. PROVIDE INTEGRAL BODY NIONS OR FLANGED END ADAPTERS.
4. PROVIDE AUXILIARY CHECK VALVE WITH RESILIENT SEAT ON INLET TO RP TYPE BACKFLOW PREVENTERS.

7 BACKFLOW PREVENTER ASSEMBLY
NO SCALE

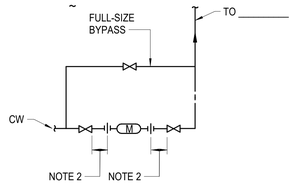


NOTES:
1. TWC CONNECTION LOCATION VARIES DEPENDING ON MIXING VALVE MANUFACTURER. CONNECT TWC TO MIXING VALVE AS SHOWN IN MANUFACTURER'S PUBLISHED INSTALLATION DETAILS.
2. MOUNT MIXING VALVE ON PAINTED BACKBOARD, APPROX. 48" AFF. FOR HEATERS MOUNTED ABOVE FLOOR LEVEL, MOUNT MIXING VALVES NOT HIGHER THAT ADJACENT WATER HEATER. MOUNT CIRCULATING PUMP BELOW MV.

4 MASTER MIXING VALVES
NO SCALE

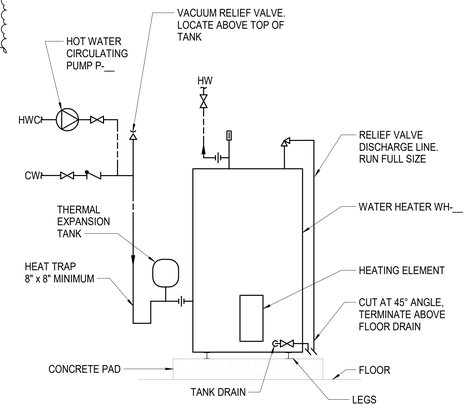


1 PRESSURE REDUCING VALVE ASSEMBLY
NO SCALE



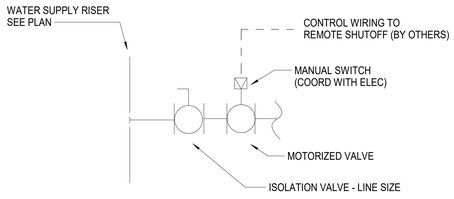
NOTES:
1. PROVIDE METERS FOR DOMESTIC WATER HEATING SYSTEMS AND COOLING TOWER MAKE-UP.
2. MOUNT METER 42" ABOVE FLOOR, EXCEPT WHERE HEATERS ARE ELEVATED ABOVE FLOOR; THEN MOUNT METER NOT HIGHER THAN HEATER.
3. PROVIDE MINIMUM 5 PIPE DIAMETERS OF STRAIGHT PIPE WITHOUT VALVES, UPSTREAM AND DOWNSTREAM OF METER.

8 WATER METERS
P05.01 SCALE: NO SCALE

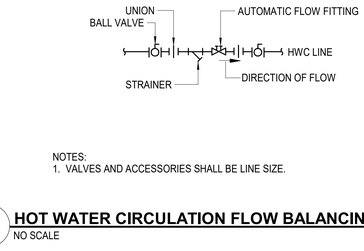


NOTES:
1. FOR WH-2, PROVIDE WALL BRACKET, OMIT CONCRETE PAD AND PROVIDE 2" DEEP DRIP PAN. EXTEND DRAINS TO JANITOR SINK.
2. FOR WH-3, PROVIDE WALL SUPPORT ABOVE CEILING, OMIT CONCRETE PAD AND PROVIDE 2" DEEP DRIP PAN. PROVIDE HUB DRAIN ABOVE CEILING FOR DRAIN RECEIVER.

5 ELECTRIC WATER HEATERS
P05.01 SCALE: NO SCALE

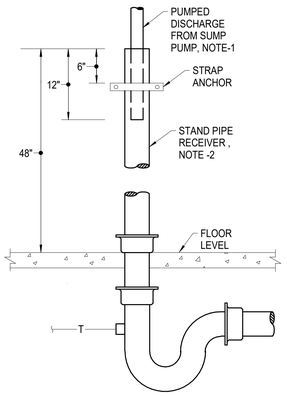


6 TENANT WATER SUPPLY
NO SCALE



NOTES:
1. VALVES AND ACCESSORIES SHALL BE LINE SIZE.

2 HOT WATER CIRCULATION FLOW BALANCING ASSEMBLIES
NO SCALE



NOTES:
1. PUMPED DISCHARGE PIPE, SIZE: 2" FROM SP-1, 3" FROM SP-2.
2. STAND PIPE RECEIVER PIPE, SIZE: 4" RECEIVING SP-1, 6" RECEIVING SP-2.

3 SUMP PUMP DRAIN
NO SCALE

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GEORGIA REG. 17227 PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/6/19

ISSUANCES		
No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019
3	WCRP-001	3/31/2020

MIDTOWN UNION

1331 SPRING ST NW, ATLANTA, GA 30309

METLIFE

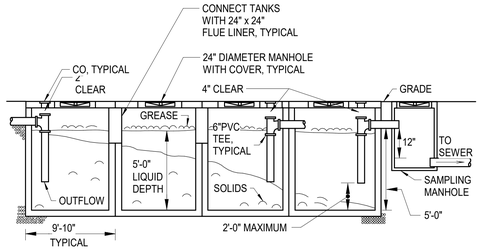
PLUMBING DETAILS

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PO5.01
Drawing No.

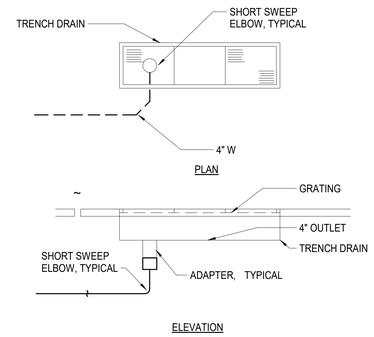
ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: P05.01 - PLUMBING DETAILS
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3/20/2020 3:58:19 PM



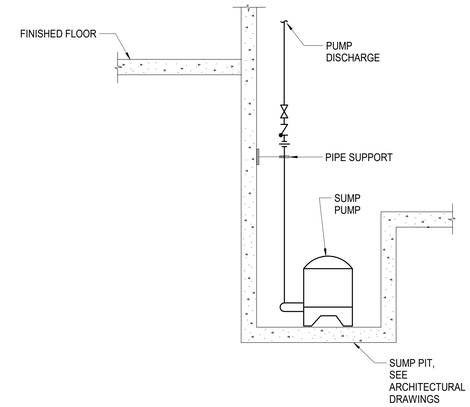
NOTES:
1. INSTALL TANKS ON A 4" CRUSHED STONE LEVELING BED.
2. TANKS SHALL BE PREFABRICATED, NOMINAL 1500 GALLONS EACH.

3 GREASE/SOLIDS INTERCEPTORS
NO SCALE



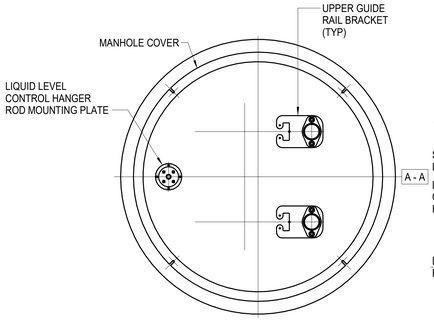
NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR TRENCH DRAIN,GRATING, AND FRAME.

2 TRENCH DRAINS
NO SCALE

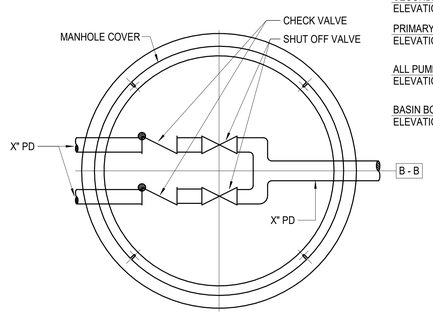


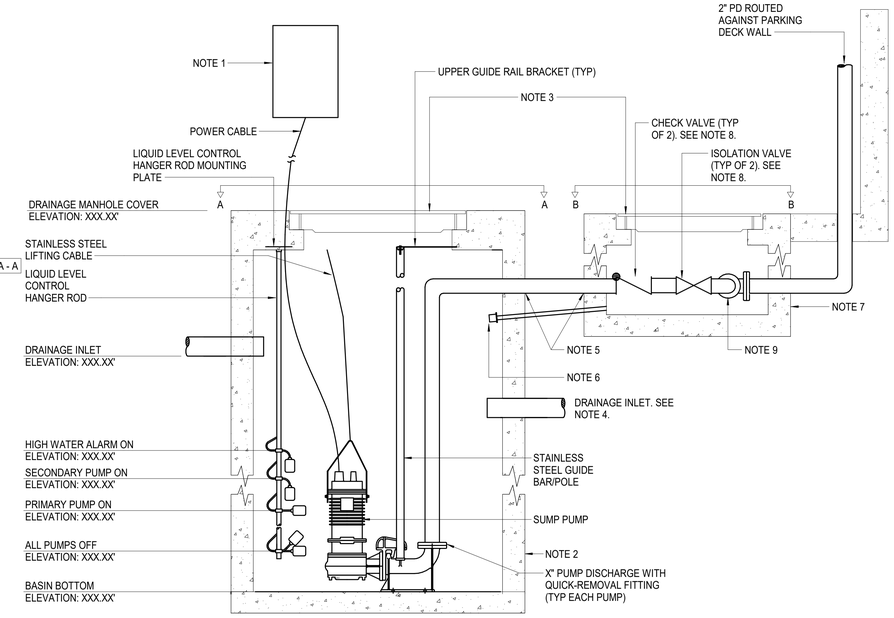
1 ELEVATOR SUMP PUMPS
NO SCALE

DRAINAGE MANHOLE - TOP VIEW



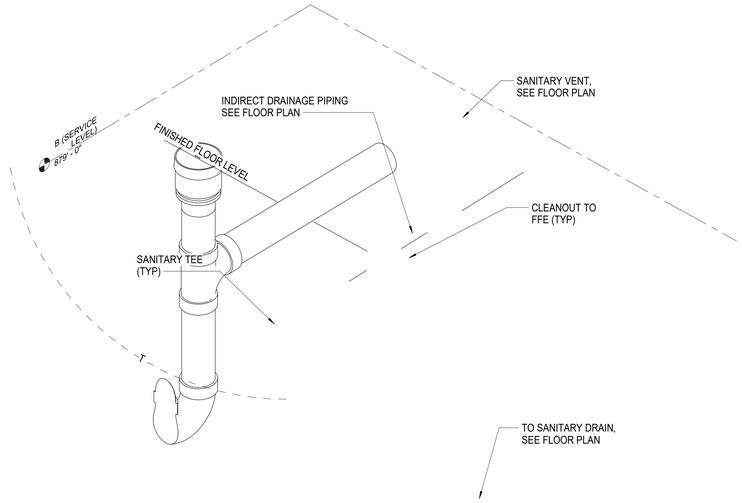
VALVE ACCESS MANHOLE - TOP VIEW





NOTES:
1. SUMP PUMP SYSTEM CONTROL PANEL MOUNTED ON WALL. SEE PLANS FOR EXACT LOCATION.
2. 5'-0" DIAMETER CONCRETE DRAINAGE MANHOLE. ARRANGE PUMP GUIDE RAILS SUCH THAT PUMPS CAN BE EASILY REMOVED THROUGH MANWAY WHEN MANHOLE COVER IS OFF.
3. TRAFFIC-RATED MANHOLE COVER.
4. ADDITIONAL DRAINAGE INLET; SHOWN HERE FOR ILLUTSTRATIVE PURPOSES ONLY. COORDINATE ARRANGEMENT OF PUMPS AND OTHER COMPONENTS WITH INLET IN FIELD.
5. X" PD THROUGH DRAINAGE MANHOLE AT IE: XXX.XX' (TYPICAL OF 2) AND INTO VALVE ACCESS MANHOLE. SEAL PENETRATIONS WATER-TIGHT.
6. 1" DRAIN PIPE FROM VALVE ACCESS MANHOLE BACK TO DRAINAGE MANHOLE; SLOPE AT MINIMUM 2%. SEAL PENETRATIONS WATER-TIGHT. TERMINATE INSIDE DRAINAGE MANHOLE WITH END-TYPE SWING CHECK VALVE.
7. 4'-0" DIAMETER CONCRETE VALVE ACCESS MANHOLE
8. COORDINATE PLACEMENT OF VALVES AND PIPING WITH CIVIL. LOCATE VALVES SUCH THAT THEY CAN BE EASILY ACCESSED WHEN MANHOLE COVER IS REMOVED.
9. COMBINE PUMPED DISCHARGHS INTO SINGLE X" PD EXIT.

5 DUPLEX SEWAGE EJECTOR SYSTEM
NO SCALE



4 RUNNING TRAP DETAIL Copy

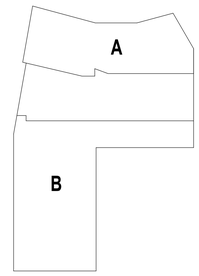
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GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT A. HOWELL
10/14/19

ISSUANCES		
No.	Drawing Issue Description	Date
2	ASI-001	2/7/2020



MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING DETAILS

Designer	20170324
Principal-in-Charge	Project No.
Approver	01/15/20
Project Manager	Date
Checker	
Project Engineer	
Author	
Staff Engineer	

PO5.02
Drawing No.

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PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER P05.02 - PLUMBING DETAILS
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2/7/2020 12:23:01 PM

WATER HEATER SCHEDULE

NO.	SERVICE	TYPE (NOTE 1)	ENERGY SOURCE			MINIMUM THERMAL EFFICIENCY, %	STORAGE CAPACITY, GAL	RECOVERY CAPACITY, GPM (NOTE 3)	NOTES
			SOURCE (NOTES 2, 4)	CHARACTERISTICS	DEMAND				
WH-1	CORE TOILETS/SERVICE SINKS	S	E	208/3/60	9 KW		50	46	
WH-2	SVC LEVEL / LOWER LOBBY	S	E	208/3/60	3 KW		20	7	
WH-3	AMENITY FLOOR FITNESS CENTER	S	E	208/3/60	12 KW		80	54	

NOTES: (WH-WATER HEATER)

1. TYPE:
   S STORAGE

2. SOURCE:
   E ELECTRIC

3. BASED ON 80°F DIFFERENTIAL BETWEEN INLET AND OUTLET WATER TEMPERATURES.

~~4. REFER TO THE ELECTRICAL DRAWINGS FOR EQUIPMENT ELECTRICAL CHARACTERISTICS.~~ 3

THERMAL EXPANSION TANK SCHEDULE

WATER HEATER NO. SERVED	ACCEPTANCE VOLUME, GAL	TANK VOLUME, GAL	AIR CHARGE PRESSURE, PSI	ASME TANK PRESSURE RATING, PSIG
WH-1	0.45	2	80	125
WH-2	0.45	2	80	125
WH-3	X.XX	X	80	125

MIXING VALVE SCHEDULE

NO.	TYPE (NOTE 1)	SERVICE	FLOW GPM	HOT WATER INLET °F	TEMP WATER OUTLET °F	MAXIMUM PRESSURE DROP, PSIG	MINIMUM CIRCULATING FLOW RATE, GPM	NOTES
MV-1	T, H	DOM HW	32	140	120	15	1.5	2
MV-2	T, H	DOM HW	16	140	120	10	1.5	3
MV-3	T, S	DOM HW	5	140	120	10	1	4
MV-4	T, H	DOM HW	16	140	120	10	1.5	5

NOTES: (MV-MIXING VALVE)

1. TYPE
   T THERMOSTATICALLY CONTROLLED
   S SINGLE VALVE
   H HIGH-LOW MIXING VALVE ASSEMBLY

2. PRESSURE ZONE 2.
3. PRESSURE ZONE 3.
4. PRESSURE ZONE 1
5. OFFICE AMENITY FITNESS CENTER

HWC FLOW BALANCING ASSEMBLY SCHEDULE

NO.	FLOW RATE, GPM	SIZE, IN
FBA-1	0.5	0.5
FBA-2	1.0	0.75
FBA-3	2.0	1.0

HOT WATER CIRCULATING PUMP SCHEDULE

NO.	GPM	TOTAL DYNAMIC HEAD, FT. WG	MINIMUM MOTOR HP	VIBRATION ISOLATION		NOTES
				TYPE	MIN. STATIC DEFLECTION, IN.	
P1	4	16	1/6	-	-	2, 3
P2	2	12	1/6	-	-	2, 4
P3	4	12	1/6	-	-	2, 5

NOTES:

1. REFER TO THE ELECTRICAL DRAWINGS FOR EQUIPMENT ELECTRICAL CHARACTERISTICS.
2. AQUA-STAT CONTROLLED
3. SERVES WH-1
4. SERVES WH-2
5. SERVES WH-3

WATER METER SCHEDULE

EQUIPMENT	SERVICE	PIPE SIZE	TYPE	FLOW, GPM	PRESSURE LOSS
WM-1	OFC. HW	0.75"	NUTATING	25	5 PSI
WM-2	FITNESS HW	1.0"	NUTATING	30	4 PSI
WM-3	COOL'G TWR	2"	NUTATING	150	8 PSI

NOTES:

1. PROVIDE INCREASERS OR REDUCERS IMMEDIATELY ADJACENT TO WATER METER CONNECTION, UNLESS NOTED OTHERWISE.
2. PROVIDE FULL LINE SIZE BYPASS WITH VALVE AROUND EACH WATER METER.
3. PROVIDE PULSE OUTPUT TO INTERFACE WITH BAS SYSTEM. COORDINATE WITH HVAC.
4. COORDINATE WITH MUNICIPAL SERVICE PROVIDER FOR METER PULSE OUTPUT SIGNAL.

BACKFLOW PREVENTER SCHEDULE

NO.	LINE SIZE, IN.	TYPE (NOTE 1)	GPM	PRESSURE DROP, PSIG	NOTES
BFP-O-1	4"	RP	300	10	2, 3
BFP-O-2	3"	RP	150	10	4
BFP-O-3	1" - 2"	D	20 - 100	5 - 7	5

NOTES:

1. TYPE:
   A ATMOSPHERIC
   D DOUBLE CHECK VALVE
   RP REDUCED PRESSURE

2. SCHEDULED VALUES ARE FOR EACH BFP IN A DUPLEX, PARALLEL INSTALLATION.
3. BUILDING WATER SERVICE
4. HVAC WATER MAKE-UP
3. MISC. NP SUPPLY, HYDRANTS & HOSE BIBBS

SUMP AND SEWAGE PUMP SCHEDULE

NO.	SERVICE (NOTE 1)	TYPE (NOTE 2)	GPM (NOTE 3)	TOTAL DYNAMIC HEAD (FT. WG)	MINIMUM MOTOR HP	BASIN		NOTES
						SIZE	DEPTH	
SP-1	SU	S - I	50	32	0.75	24" x 24"	24"	3, 5
SP-2	SU	S - I	100	32	1.0	30" x 30"	30"	3, 5
-	-	-	-	-	-	-	-	-
SP-4	SU	D - I	50	50	1.0	48"DIA	12'	3
SP-5	SE	D - I	150	45	7.5	60"DIA	16'	3, 6
SP-6	SE	D - I	50	45	1.0	48"DIA	10'	3, 6

NOTES:

1. SERVICE:
   SU SUMP
   SE SEWAGE
2. TYPE:
   S SIMPLEX I INTERIOR
   D DUPLEX E EXTERIOR
3. FOR DUPLEX PUMPS, GPM AND MOTOR HP ARE FOR EACH PUMP AND MOTOR.
4. REFER TO ELECTRICAL DRAWINGS FOR EQUIPMENT ELECTRICAL CHARACTERISTICS.
5. ELEVATOR SUMP PUMP
6. EJECTOR SYSTEM RECEIVES DISCHARGE FROM GREASE INTERCEPTORS.

PLUMBING FIXTURE SCHEDULE

NO.	FIXTURE TYPE	PIPING CONNECTION SIZE			
		HW	CW	S OR W	TW
F1A	WATER CLOSET WALL TYPE, (FLUSH VALVE)	-	1"	4"	
F1B	WATER CLOSET WALL TYPE, (FLUSH VALVE), ADA USABLE	-	1"	4"	
F2A	LAVATORY COUNTERTOP, ADA USABLE	0.5"	0.5"	1.25"	
F2B	LAVATORY WALL TYPE	0.5"	0.5"	1.25"	
F2C	LAVATORY WALL TYPE, ADA USABLE	0.5"	0.5"	1.25"	
F3A	URINAL WALL TYPE	-	0.75"	2"	
F3B	URINAL WALL TYPE, HANDICAPPED	-	0.75"	2"	
F4A	ELECTRIC WATER FOUNTAIN - RECESSED, DUAL HEIGHT	-	0.5"	1.25"	
F4B	ELECTRIC WATER FOUNTAIN - WALLL-HUNG, DUAL HEIGHT	-	0.5"	1.25"	
F5A	SERVICE SINK FLOOR TYPE	0.5"	0.5"	3"	

DRAIN SCHEDULE

NO.	TYPE (NOTE 1)	DRAIN INFORMATION (NOTE 2)	GENERAL LOCATION	NOTES
D1A	F	FLS, ES	FINISHED AREAS	
D1B	S	FLS, ES, ST	FITNESS SHOWERS	4
D2A	F	RG, ES	AIR HANDLERS	
D2B	F	FLS, SB, ES	EQ ROOMS (SMALL)	
D2C	F	FLS, SB, ES	EQ ROOMS (LARGE)	
D2E	F	FLS, SB, ES	BACKFLOW PREVENTER	
D2F	F	FLS, SB,	ELEVATOR PIT DRAIN	
D3A	R	SR, UC, D	PRIMARY ROOF DRAIN	
D3B	R, O	SR, UC, D, ED	SECONDARY ROOF DRAIN	
D3C	R	SR, UC, D	ROOF IW RECEIVER	
D3D	R / O	SR, UC, D	COMBO PRIMARY/O'FLOW	
D7	P		PARKING DECK DRAIN	
D8B	D		TERRACE/BALCONY	
D8D	D, T		HARDSCAPE TRENCH	
D9C	PL	D, SMS, SPE	2 LEVEL PLANTER DRAIN	
D10	T		LOADING DOCK	3

NOTES: (D-DRAIN)

1. TYPE:

F	FLOOR	SC	SCUPPER
FS	FLOOR SINK	RO	ROOF OVERFLOW
S	SHOWER	H	HUB
PL	PLANTER	FU	FUNNEL
R	ROOF	T	TRENCH
A	AREA	D	DECK
P	PARKING		

2. TYPE:

D	DOME STRAINER	UC	UNDERDECK CLAMP
SR	SUMP RECIVER	TP	TRAP PRIMER
SB	SEDIMENT BASKET	TS	TRAP SEAL
ER	EXTENDED RIM	VP	VANDAL PROOF
ED	EXTERIOR WATER DAM	SPE	STAINLESS PERFORATED EXTENSION
SMS	STAINLESS MESH SCR'N	ES	ELASTOMETRIC TRAP SEAL
RC	RAIN COVER	RG	RECESSED GRATE
ST	SHALLOW TRENCH	FLS	FLAT STRAINER

3. TRENCH DRAIN: PREFORMED MODULAR CHANNEL WITH DUCTILE IRON SECURED GRATE & FRAME, END-BOTTOM OUTLET, NOMINAL 9' MODULES.
   A. LOADING DOCK/DUMPSTER: NOMINAL 30' OVERALL (4 CHANNELS)
   B. TRUCK RAMP: NOMINAL 27' OVERALL (3 CHANNELS)
   C. PARKING DECK RAMP: NOMINAL 28' OVERALL (3CHANNELS)
   D. SOUTH DECK ENTRY RAMP: NOMINAL 22' OVERALL (3 CHANNELS)

4. FITNESS SHOWER DRAIN; SHALLOW BODY, NARROW TRENCH WITH TILE INLAY GRATE. DESIGNATION a = 60" LENGTH; b = 32" LENGTH. COORDINATE WITH ARCH.

WATER PRESSURE BOOSTER SYSTEM SCHEDULE

NO.	GPM			SUCTION PRESSURE, PSI	DISCHARGE PSI	TOTAL DYNAMIC HEAD, PSI	MINIMUM MOTOR HP			VIBRATION ISOLATION			NOTES
	PUMP 1	PUMP 2	PUMP 3				PUMP 1	PUMP 2	PUMP 3	TYPE	MIN. STATIC DEFLECTION, IN.	INERTIA BASE	
BP-1	175	175	175	100	200	100	15	15	15	---	---	---	3

NOTES:

1. NOMINAL MOTOR RPM SHALL BE 3500.
2. REFER TO THE ELECTRICAL DRAWINGS FOR EQUIPMENT ELECTRICAL CHARACTERISTICS.
3. EACH PUMP TO PROVIDE 33.3% OF TOTAL BUILDING DESIGN LOAD.

PRESSURE REDUCING VALVE SCHEDULE

NO.	SERVICE	TYPE (NOTE 1)	SYSTEM FLOW GPM	110 INLET STATIC PRESSURE PSIG	VALVE 1				VALVE 2				VALVE 3				NOTES
					FLOW GPM	FALL-OFF PRESSURE PSIG	SIZE IN.	SET PRESSURE PSIG	FLOW GPM	FALL-OFF PRESSURE PSIG	SIZE IN.	SET PRESSURE PSIG	FLOW GPM	FALL-OFF PRESSURE PSIG	SIZE IN.	SET PRESSURE PSIG	
PRV-O-1	DOM. ZONE 1	H	90	110	15	15	0.75	80	110 MAX	VARIABLE	1.25	80	-	-	-	-	2
PRV-O-2	DOM. ZONE 2	H	225	150	25	10	1.0	80	200 MAX	VARIABLE	2.0	80	-	-	-	-	2
PRV-O-3	DOM. ZONE 3	H	220	105	21	15	1.0	80	200 MAX	VARIABLE	2.0	80	-	-	-	-	2

NOTES: (PRV - PRESSURE REDUCING VALVE)

1. TYPE:
   L LOW CAPACITY
   H HIGH CAPACITY
   P PILOT-OPERATED

2. FOR ALL PRV STATIONS: VALVE 1 = SELF CONTAINED, HIGH CAPACITY; VA;VE 2 = PILOT OPERATED

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GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/6/19

ISSUANCES

No.	Drawing Issue Description	Date
	OFFICE & SITE BUILDING PERMIT SET	12/04/2019
2	ASI-001	2/7/2020
3	WCRP-001	3/31/2020

MIDTOWN UNION

1331 SPRING ST NW, ATLANTA, GA 30309

METLIFE

PLUMBING SCHEDULES

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PO6.01

Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PO6.01 - PLUMBING SCHEDULES
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3/20/2020 3:56:36 PM

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM SIZE UTILITY: WASTE CONNECTION	HOT WATER SUPPLY	COLD WATER SUPPLY	VENT CONNECTION
WC-1	WATER CLOSET - PRIVATE FLUSH TANK, ADA	1.28 (GPF)	3"	---	1/2"	1 1/2"
WC-2	WATER CLOSET - PUBLIC FLUSH VALVE, ADA	1.28 (GPF)	3"	---	1"	1 1/2"
UR-1	URINAL - PUBLIC	0.5 (GPF)	2"	---	3/4"	1 1/2"
L-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, RECTANGLE SHAPE	1.5 (GPM)	1 1/2"	1/2"	1/2"	1 1/2"
L-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, ADA, ROUND SHAPE	0.5 (GPM)	1 1/2"	1/2"	1/2"	1 1/2"
L-3	LAVATORY, PUBLIC RESTROOMS, ADA, RECTANGLE SHAPE	0.5 (GPM)	1 1/2"	1/2"	1/2"	1 1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGLE SHAPE	2.00 (GPM)	1 1/2"	1/2"	1/2"	1 1/2"
KS-2	AMENITY SINK, OUTDOOR, PUBLIC, RECTANGLE SHAPE	2.00 (GPM)	1 1/2"	1/2"	1/2"	1 1/2"
KS-3	WORK/LOUNGE SINK, INDOOR, PUBLIC, RECTANGLE SHAPE	2.00 (GPM)	1 1/2"	1/2"	1/2"	1 1/2"
BT-1	BATHTUB (RESIDENTIAL UNITS)	2.5 (GPM)	1 1/2"	1/2"	1/2"	1 1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 (GPM)	1 1/2"	1/2"	1/2"	1 1/2"
SH-2	SHOWER (PUBLIC)	2.5 (GPM)	1 1/2"	1/2"	1/2"	1 1/2"
SH-3	POOL SHOWER (PUBLIC)	2.5 (GPM)	1 1/2"	1/2"	1/2"	1 1/2"
EWC-1	ELECTRIC WATER COOLER	1/8 (GPM)	1 1/2"	1/2"	1/2"	1 1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2.00 (GPM)	3"	1/2"	1/2"	1 1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1/2"	1/2"	1 1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---

WATER HEATER SCHEDULE

MARK	MODEL / LOCATION	STORAGE CAPACITY (GALLONS)	ELECTRICAL INPUT (KW)	GPH RECOVERY (90° RISE)	DELIVERY TEMPERATURE	NOTES
WHE-1	A.O SMITH DEL-50 / "BAR MOP SINK" ON LOBBY	50	6	34	140°	1
WHE-2	A.O SMITH ENLB-50 / "UTILITY CLOSET" IN ALL UNITS	48	4.5	21	120°	2
WHE-2A	A.O SMITH ENLB-50 / "UTILITY CLOSET" IN ALL UNITS	48	10	56	120°	2
WHE-3	A.O SMITH DEL-30 JANITOR'S MOP SINK	30	6	34	140°	3
2	ITEM REMOVED					
WHE-2	INSTANTANEOUS WATER HEATER / "JANITORS CLOSET 0123"	0	8.3	---	120°	5

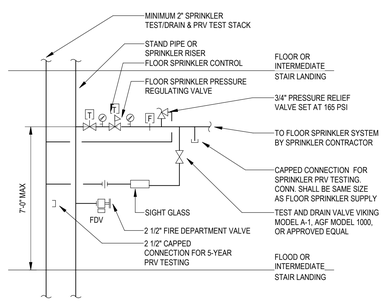
ACCESSORIES:
1. DESIGN BASIS: AO SMITH COMMERCIAL ELECTRIC LOWBOY WATER HEATER, MODEL DEL-50
2. DESIGN BASIS: AO SMITH RESIDENTAL ELECTRIC LOWBOY WATER HEATER, MODEL ENLB-50
3. DESIGN BASIS: AO SMITH COMMERCIAL ELECTRIC LOWBOY WATER HEATER, MODEL DEL-30
4. DESIGN BASIS: CHRONOMITE INSTANT-FLOW C-MICRO - LOW ACTIVATION, MODEL CM-20L208
5. DESIGN BASIS: CHRONOMITE INSTANT-FLOW C-MICRO - LOW ACTIVATION, MODEL M-40/208-P-NP
6. WATER HEATER PANS FOR STORAGE TYPE WATER HEATERS MUST BE METALLIC.

2

PUMP SCHEDULE

TAG	SERVICE	TYPE	FLOW (GPM)	HEAD (FT)	RPM	MOTOR HP	NOTES
BP-1	DOMESTIC BOOSTER PUMP TRIPLEX SYSTEM	PACKAGED SKID MOUNTED	160	251	3500	15	1,2
FP-1	FIRE PUMP	HORIZONTAL SPLIT CASE	1000	340	3500	125	4
JP-1	JOCKEY PUMP	VERTICAL	10	360	3500	3	3
SP-1A	SANITARY DRAINAGE/ ELEVATOR PIT	AUTOMATIC SUBMERSIBLE	150	11	3600	1.5	5
SP-1B	SANITARY DRAINAGE/ ELEVATOR PIT	AUTOMATIC SUBMERSIBLE	50	22	3600	0.5	5

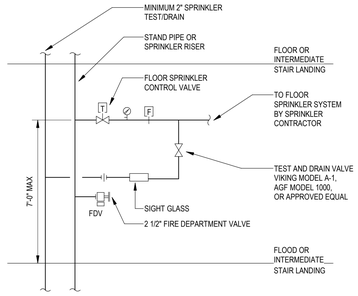
NOTES:
1. BASIS OF DESIGN: VC SYSTEMS MODEL 3VC-DPE-PMC-G-15-625HP-208 OR ENGINEER APPROVED EQUAL
2. BOOSTER PUMP ASSEMBLY SHALL BE MOUNTED ON A 6" MINIMUM THICKNESS INERTIA BASE FRAME AND FREE-STANDING UNHOUSED SPRING VIBRATION ISOLATORS WITH 1" MINIMUM NEOPRENE NOISE ISOLATION PADS, KINETICS FDS SERIES OR ENGINEER APPROVED EQUAL
3. BASIS OF DESIGN: GRUNDFOS CR3-13, OR ENGINEER APPROVED EQUAL
4. BASIS OF DESIGN: ELECTRIC PEERLESS DPE-5AEF11G-125-SSATS OR ENGINEER APPROVED EQUAL
5. BASIS OF DESIGN: STANCOR NON-OIL MINDER OR ENGINEER APPROVED EQUAL



NOTES:
1. COORDINATE WATER FLOW AND VALVE SUPERVISORY SWITCH CONNECTIONS WITH FIRE ALARM CONTRACTOR
2. INSTALL TEST AND DRAIN ASSEMBLY IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
3. SEE FLOOR PLANS FOR LOCATION OF STANDPIPE/SPRINKLER RISER.

COMBINED STAND PIPE/SPRINKLER RISER W/ FLOOR CONTROL ASSEMBLY +150 PSI

2 Scale: 12" = 1'-0"



NOTES:
1. COORDINATE WATER FLOW AND VALVE SUPERVISORY SWITCH CONNECTIONS WITH FIRE ALARM CONTRACTOR
2. INSTALL TEST AND DRAIN ASSEMBLY IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
3. SEE FLOOR PLANS FOR LOCATION OF STANDPIPE/SPRINKLER RISER.

COMBINED STAND PIPE/SPRINKLER RISER W/ FLOOR CONTROL ASSEMBY -150 PSI

1 Scale: 12" = 1'-0"

FIRE PROTECTION NOTES

1. ALL SPRINKLERS IN SPACES VISIBLE TO PUBLIC VIEW SHALL BE LOCATED SYMMETRICALLY IN RELATION TO CEILING DESIGN ELEMENTS, LIGHTING FIXTURES, SPEAKERS, DIFFUSERS, ETC. ALL CEILING COMPONENTS ARE TO BE INDICATED ON THE SUBMITTAL DRAWINGS AS NOTED PREVIOUSLY TO INSURE COORDINATION WITH ALL CEILING ELEMENTS AND DEVICES. PIPING TO SPRINKLERS IN THESE AREAS IS TO BE PROVIDED WITH RETURN BENDS IF REQUIRED TO ALLOW FOR EXACT PLACEMENT.
2. SPRINKLER HEADS INSTALLED IN LAY IN ACOUSTICAL TILE CEILINGS SHALL BE CENTERED IN THE CEILING TILES OR INSTALLED ON QUARTER POINTS OF THE FOUR FOOT DIMENSIONS OF 2' X 4' TILES.
3. ALL FIRE PROTECTION WORK SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF NFPA STANDARDS AND SHALL MEET THE APPROVAL OF THE OWNERS INSURANCE UNDERWRITER, AND LOCAL AUTHORITIES HAVING JURISDICTION.
4. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATION ANY FIRE PROTECTION EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: SPRINKLER DRAWINGS AND CALCULATIONS BEARING THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER OR EQUIVALENT CONTRACTORS FIRE SPRINKLER CERTIFICATE SEAL AND APPROVAL STAMP OF LOCAL CODE AUTHORITY; SPRINKLER PIPING, SPRINKLER HEADS; HOSE RACKS, HYDRANTS AND VALVES; PUMPS, CONTROLLERS AND ACCESSORIES; TANKS AND ACCESSORIES. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE OWNERS INSURANCE UNDERWRITER PRIOR TO BEING SUBMITTED TO THE ARCHITECT.
5. CONTRACTOR SHALL COORDINATE THE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL FIRE PROTECTION EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
6. ALL FIRE PROTECTION EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE.
7. ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPING HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORDS OF THE JOISTS.
8. ALL SPRINKLER SYSTEMS SHALL BE DESIGNED TO THE AVAILABLE CITY WATER SUPPLY. CONTRACTOR SHALL HAVE CURRENT FLOW TEST PERFORMED PRIOR TO DESIGN.
9. ALL SPRINKLER SYSTEM RISERS SHALL INCLUDE AN ALARM CHECK VALVE, WATER MOTOR GONG, FLOW SWITCH, ETC.
10. HYDRAULIC CALCULATIONS SHALL INCLUDE AN ALLOWANCE FOR INSIDE AND OUTSIDE HOSE STREAMS.
11. FIRE PROTECTION SUBCONTRACTOR SHALL FURNISH AND INSTALL 2A RATED 10 LB. FIRE EXTINGUISHERS FOR EVERY 3000 SQ. FT. OF FLOOR AREA. EXTINGUISHERS SHALL BE LOCATED TO MINIMIZE TRAVEL DISTANCE TO 75 FEET.
12. ALL MAJOR VALVES SHALL HAVE U.L. LISTED SUPERVISORY SWITCHES COMPATIBLE WITH THE OWNERS CENTRAL ALARM SYSTEM. WIRING OF THE SWITCHES SHALL BE BY OTHERS.
13. GROOVED (VICTAULIC) COUPLINGS SHALL NOT BE USED OVER OR NEAR ELECTRICAL SWITCHGEAR, PANELS, TRANSFORMERS, ETC.
14. ALL SPRINKLER PIPING SHALL BE ROUTED TO MAINTAIN MINIMUM CLEAR HEIGHTS INDICATED ON ARCHITECTURAL DRAWINGS.
15. ALL DRY PIPE SPRINKLER SYSTEMS SHALL BE COMPLETE WITH OS&Y GATE VALVES AND DRY PIPE VALVES, AIR COMPRESSORS, WATER MOTOR GONGS, ACCESSORIES AND PRESSURE SWITCHES COMPATIBLE WITH THE OWNERS CENTRAL ALARM SYSTEM. WIRING OF THE SWITCHES WILL BE BY OTHERS.
16. ALL PIPING ON THE SYSTEM SIDES OF DRY PIPE OR PREACTION VALVES SHALL BE GALVANIZED CLASS 150 AND 300 MALLEABLE IRON THREADED FITTINGS, ANSI B16.1.

FIRE PROTECTION SCHEDULE

AREA	OCCUPANCIES HAZARD	DENSITY GPM/FT	HEAD TYPE / TEMP RATING F°	SYSTEM TYPE	HEAD FINISH	REMARKS
PARKING GARAGE	ORDINARY (GROUP 1)	.15	UPRIGHT 200°	DRY	BRASS	NOTE 1
OCCUPIED BUILDING	LIGHT	.1	PENDENT 165°	WET	WHITE	NOTE 1

NOTES:
1. CRITERIA ESTABLISHED PER NFPA 13

DRAINAGE PRODUCTS/SPECIALTIES

UNLESS OTHERWISE INDICATED, NUMBERS ARE JAY R. SMITH. APPROVED EQUAL PRODUCTS: ZURN, JOSAM, WADE, WATTS AND PRECISION PLUMBING PRODUCTS

CO-EXPOSED CLEANOUT - UNFINISHED AREAS
JAY R. SMITH FIG. 4420 CAST BRONZE COUNTERSUNK PLUG WITH SLOT TO RECEIVE 1/2" THICK STEEL BAR STOCK.

WCO-WALL CLEANOUT - FINISHED AREAS
JAY R. SMITH FIG. 4436 C.I. FERRULE FOR NO HUB OR SERVICE WEIGHT PIPE, NICKEL BRONZE ROUND FRAME AND COVER WITH SECURING SCREWS.

FCO - CONCRETE FLOORS
JAY R. SMITH FIG. 4220 C.I. CLEANOUT WITH GASKET SEAL THREADED PLUG FOR EASY REMOVAL, ADJUSTABLE ROUND CAST IRON TOP WITH SECURING SCREW, SPEEDI-SET OUTLET CONNECTION.

FCO - TILE FLOORS
JAY R. SMITH FIG. 4151 C.I. CLEANOUT WITH GASKET SEAL THREADED PLUG FOR EASY REMOVAL, ADJUSTABLE ROUND NICKEL BRONZE TOP RECESSED FOR TILE WITH SECURING SCREW, SPEEDI-SET OUTLET CONNECTION.

FCO - CARPETED FLOORS
JAY R. SMITH FIG. 4020-Y C.I. CLEEANOUT WITH GASKET SEAL THREADE3D PLUG, ADJUSTABLE ROUND NICKEL BRONZE TOP COMPLETE WITH STAINLESS STEEL CARPET MARKER WITH SECURING SCREW, SPEEDI-SET OUTLET CONNECTION.

YCO - EXTERIOR PAVED/CONCRETE AREAS
JAY R. SMITH FIG. 4261 C.I. FLANGED HOUSING WITH HEAVY DUTY C.I. COVER, LIFTING DEVICE, GASKET SEAL THREADED PLUG, V.P. SCREWS IN COVER.

YCO - EXTERIOR UNSURFACED AREAS
JAY R. SMITH FIG. 4261 C.I. FLANGED HOUSING WITH HEAVY DUTY C.I. COVER, LIFTING DEVICE, GASKET SEAL THREADED PLUG, V.P. SCREWS IN COVER. PROVIDE 24" X 12" CONCRETE PAD FLUSH WITH SURFACE.

FD "F" - FLOOR DRAINS-GENERAL/FUNNEL
JAY R. SMITH FIG. 3510-B-NB-P050 SERIES C.I. FLOOR DRAIN WITH 6" DIAMETER SQUARE NICKEL BRONZE STRAINER WITH 4" DIAMETER SECURED FUNNEL AND SEDIMENT BUCKET, SPEEDI-SET OUTLET CONNECTION AND TRAP PRIMER CONNECTION.

FD "G" - FLOOR DRAINS-GENERAL/RESTROOMS
JAY R. SMITH FIG. 2005-B6 SERIES C.I. FLOOR DRAIN WITH 6" DIAMETER SQUARE NICKEL BRONZE STRAINER, SPEEDI-SET OUTLET CONNECTION AND TRAP PRIMER CONNECTION.

FD "M" - FLOOR DRAINS-GENERAL PURPOSE/MECHANICAL ROOM
JAY R. SMITH FIG. 2142 SERIES CAST IRON 12" DIAMETER DRAIN WITH SEDIMENT BUCKET, HEAVY DUTY CAST IRON GRATE WITH INTEGRAL 4" FUNNEL, SPEEDI-SET OUTLET CONNECTION.

FD "TD-1" - TRENCH DRAINS AT AMENITY DECK
ZURN FLOW-THRU SYSTEM, Z-806 SERIES, 6" WIDE. 3" OUTLETS, Z-806-SCD STAINLESS STEEL HEEL PROOF GRATE. PROVIDE SHALLOW NEUTRAL CHANNELS - 3.9° DEEP.

FD "AD" - AREA DRAIN - BALCONY
JAY R. SMITH FIG. 1470 CAST IRON BODY AND FLASHING CLAMP WITH NICHEL BRONZE TOP.

FS-1 - FLOOR SINK - FIRE PUMP ROOM/SPRINKLER DRAINAGE
JAY R. SMITH FIGURE 3120 SERIES, 12" SQUARE X 8" DEEP, CAST IRON WITH ACID RESISTANT COATING, CAST IRON DOME BOTTOM STRAINER, NICKEL BRONZE 3/4 GRATE.

RD - ROOF DRAINS - INSULATED ROOF
JAY R. SMITH FIG. 1015-Y-RC. C.I. BODY WITH FLASHING CLAMP AND SUMP RECEIVER CLAMP, CAST IRON, ADJUSTABLE EXTENSION TO SUIT INSULATION THICKNESS, NO HUB OUTLET CONNECTION, CAST IRON DOME.

ERD - EMERGENCY ROOF DRAIN - INSULATED ROOF
JAY R. SMITH FIG. 1080-Y-R-C C.I. BODY WITH 2" HIGH WATER DAM, SUMP RECEIVER, UNDERECK CLAMP AND CAST IRON, NO HUB OUTLET CONNECTION, CAST IRON DOME.

DOWNSPOUT NOZZLE
JAY R. SMITH FIG. 1770-BS-NB, WALL MOUNTED CAST NOZZLE AND FLANGE, BIRD SCREEN, NICKEL BRONZE FINISH.

URINAL - WALL HUNG SUPPORT
JAY R. SMITH FIG. 0635 SUPPORT WITH UPRIGHTS OF HIGH STRENGTH STEEL WITH WELDED BASES BOLTED TO FLOOR.

LAVATORY - WALL HUNG SUPPORT
JAY R. SMITH FIG. 0700 FOR MASONRY WALLS AND FIG. 0700-M31 FOR METAL STUD WALLS.

ELECTRIC WATER COOLER CARRIER - WALL HUNG
JAY R. SMITH FIG. 0830 SUPPORT WITH UPRIGHTS OF HIGH STRENGTH STEEL WITH WELDED BASES BOLTED TO FLOOR. FOR STEEL STUD WALLS, USE M31 RECTANGULAR UPRIGHTS.

TP-"A" - AUTOMATIC TRAP PRIMER
PPP PRIME-RITE SERIES AUTOMATIC TRAP PRIMER WITH MULTIPLE OUTLET DISTRIBUTION UNITS AS REQUIRED.

WATER HAMMER ARRESTORS
JAY R. SMITH 5000 SERIES ALL STAINLESS STEEL "HYDROTROLS". INSTALL IN AN UPRIGHT POSITION AT ALL FLUSH VALVES, WASHING MACHINE SUPPLIES, DISHWASHERS, PRV STATIONS, AND OTHER QUICK CLOSING VALVES, SOLENOIDS AND PLUMBING FIXTURES. LOCATE AND SIZE AS INDICATED ON DRAWINGS. WHERE NOT SHOWN ON DRAWINGS, LOCATE AND SIZE IN ACCORDANCE WITH PDI STANDARD WH-201.

HB-1 - HOSE BIBB
WOODFORD #24P HOSE BIBB WITH WHEEL HANDLE WITH VACUUM BREAKER, ROUGH BRASS, FOR USE IN NON-PUBLIC AREAS.

HB-2 - HOSE BIBB LOOSE KEY
WOODFORD #24P WITH LOOSE TEE KEY AND VACUUM BREAKER HOSE BIBB, CHROME PLATED FOR USE IN PUBLIC AREAS.

NFHB-R - ROOF MOUNTED NON-FREEZE HOSE BIBB
3/4" ROOF MOUNT PEDESTAL NON-FREEZE HYDRANT COMPLETE WITH MOUNTING FLANGE AND SHROUD, MALE HOSE END OUTLET WITH VACUUM BREAKER, DRAIN DOWN FITTING ON INLET SIDE, MAPA PRODUCTS MPH-24FP, WOODFORD MODEL RHY1-MS

NFWH-WALL HYDRANT-EXTERIOR
JAY R. SMITH FIG. 5509-QT NON FREEZE 3/4" CAST BRONZE HYDRANT WITH RECESSED STAINLESS STEEL BOX AND FRAME INTEGRAL VACUUM BREAKER, NICKEL BRONZE FACE, AND SIZED IN ACCORDANCE WITH WALL THICKNESS.

WB-1 - WASHING MACHINE UTILITY CONNECTION
OATEY "CENTRO II" 38157 CENTER OUTLET WASHING MACHINE BOX, HIGH-IMPACT POLYSTYRENE BOX AND FACEPLATE. 2" DRAIN OPENING, 1/2" QUARTER-TURN HAMMER VALVES (COMBINATION VALVE AND WATER HAMMER ARRESTOR), CPVC CONNECTION TO HAMMER VALVE. APPROVED EQUALS ARE GUY GRAY, SIOUX CHIEF AND IPS.

WB-1 - WASHING MACHINE UTILITY CONNECTION (FIRE RATED)
OATEY 38479 CENTER OUTLET WASHING MACHINE BOX, BULK-MOLDED COMPOUND THERMOSET FIRE-RATED PLASTIC, ADJUSTABLE GALVANIZED STEEL MOUNTING BRACKET, 2" PVC DWV DRAIN, 1/2" QUARTER-TURN HAMMER VALVES (COMBINATION VALVE AND WATER HAMMER ARRESTOR), CPVC CONNECTION TO HAMMER VALVE. APPROVED EQUALS ARE GUY GRAY, SIOUX CHIEF AND IPS.

IM-1 - ICE MAKER CONNECTION
OATEY 38602 ICE MAKER OUTLET BOX, HIGH-IMPACT POLYSTYRENE BOX AND FACEPLATE, 1/2" QUARTER-TURN HAMMER VALVE (COMBINATION VALVE AND WATER HAMMER ARRESTOR), CPVC CONNECTION TO HAMMER VALVE. APPROVED EQUALS ARE GUY GRAY, SIOUX CHIEF AND IPS.

IM-1 - ICE MAKER CONNECTION (FIRE RATED)
OATEY 38491 ICE MAKER OUTLET BOX, BULK-MOLDED COMPOUND THERMOSET FIRE-RATED PLASTIC, ADJUSTABLE GALVANIZED STEEL MOUNTING BRACKET, 1/2" QUARTER-TURN HAMMER VALVE (COMBINATION VALVE AND WATER HAMMER ARRESTOR), CPVC CONNECTION TO HAMMER VALVE. APPROVED EQUALS ARE GUY GRAY, SIOUX CHIEF AND IPS.

HEAT TRACE:
RAYCHEM XL-TRACE, 5 WATTS PER FOOT

CHANNEL DRAIN:
WATTS DEAD LEVEL S DECK CHANNEL SYSTEM

2

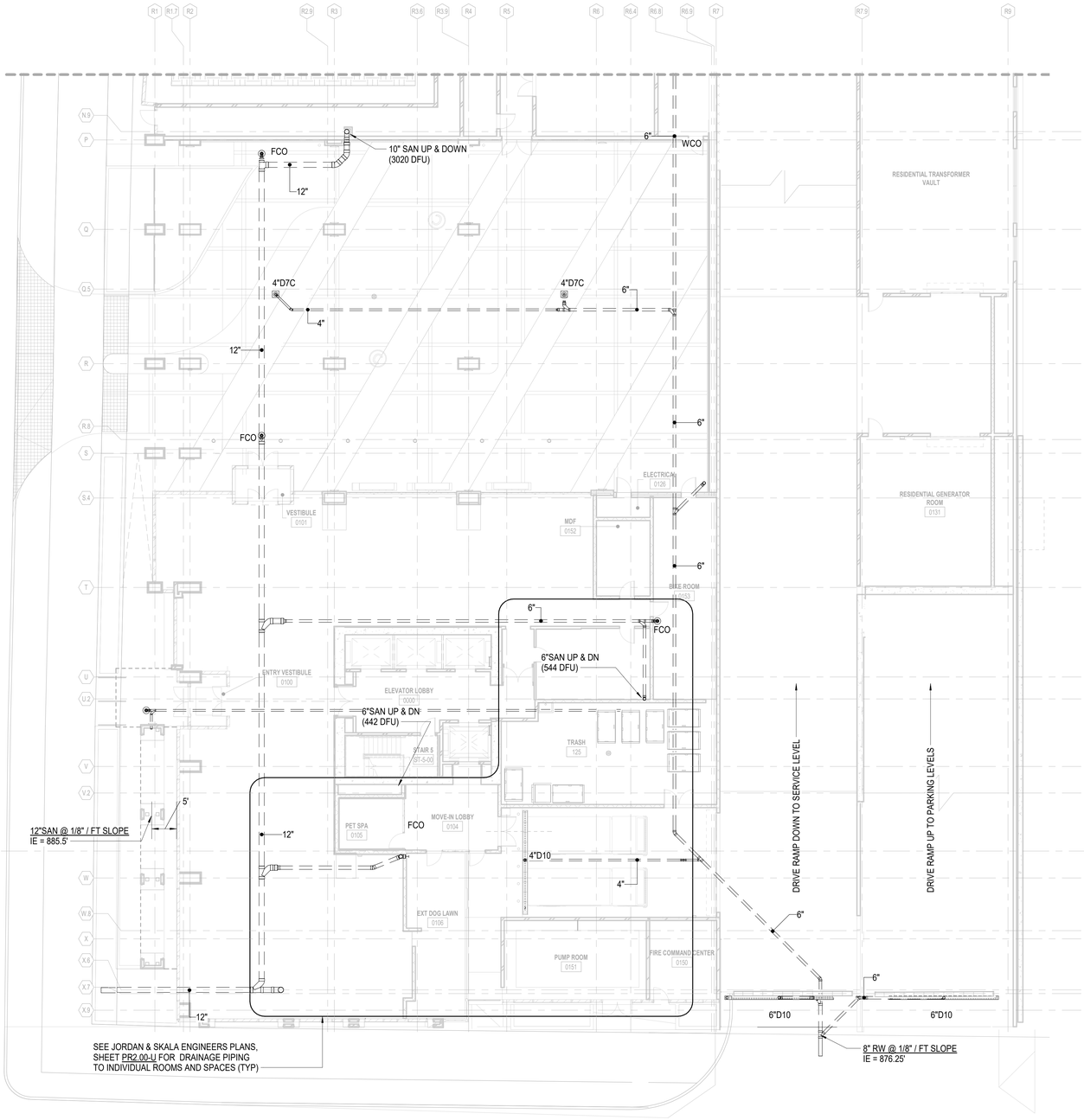
PLUMBING NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF ALL PLUMBING FIXTURES.
2. PLUMBING PIPING SHALL NOT BE INSTALLED IN ELECTRICAL ROOMS, CLOSETS, TELEPHONE ROOMS, OR ELEVATOR EQUIPMENT ROOMS EXCEPT PIPING SERVING THAT SPECIFIC ROOM.
3. DOMESTIC WATER SERVICE ENTRY PIPING BELOW GRADE AND BELOW SLAB UPSTREAM OF THE SERVICE ENTRY VALVE SHALL BE CLASS 51 DUCTILE IRON PIPING WITH BITUMINOUS COATING OUTSIDE AND CEMENT MORTAR LINING INSIDE WITH MECHANICAL PUSH-ON JOINTS AND FITTINGS OR TYPE L COPPER TUBING.
4. HOT AND COLD WATER PIPING DOWN STREAM OF THE SERVICE ENTRY VALVE SCHEDULE 40 CPVC FOR 2" AND SMALLER AND SCHEDULE 80 CORZAN FOR 2" AND LARGER (SUITABLE FOR WORKING PRESSURES OF 100 PSIG AT 180 DEGREES F.)
5. DOMESTIC WATER SHUT-OFF VALVES SHALL BE TWO-PIECE, FULL-PORT, BRONZE BODY, BRASS BALL TYPE FOR SIZES 2" AND SMALLER. VALVES 2-1/2" AND LARGER SHALL BE BUTTERFLY VALVES, LUG-PATTERN, DUCTILE IRON BODY, AND ALUMINUM-BRONZE DISC. PROVIDE 10-POSITION LEVER HANDLE FOR VALVES 2-1/2" TO 6", AND GEAR-OPERATED TYPE FOR 8" AND LARGER.
6. SANITARY WASTE & VENT, AND STORM DRAIN PIPING BELOW GROUND SHALL BE SCHEDULE 40 DWV PVC WITH SOLVENT WELD JOINTS WHERE ACCEPTABLE BY LOCAL AUTHORITY HAVING JURISDICTION . WHERE PVC DRAINAGE PIPING IS NOT ACCEPTABLE, PIPE SHALL BE HUB & SPIGOT CAST-IRON WITH PUSH-ON JOINTS.
7. SANITARY WASTE & VENT, AND STORM DRAIN PIPING ABOVE GROUND SHALL SCHEDULE 40 DWV PVC WITH SOLVENT WELD JOINTS WHERE ACCEPTABLE BY LOCAL AUTHORITY HAVING JURISDICTION. WHERE PVC DRAINAGE PIPING IS NOT ACCEPTABLE, PIPE SHALL BE NO-HUB CAST-IRON WITH NEOPRENE BANDED JOINTS WITH STAINLESS STEEL CLAMPS. PROVIDE HEAVY-DUTY CLAMPS AT BASE OF STACKS AND AT VERTICAL TO HORIZONTAL OFFSETS ON ALL SANITARY, WASTE, AND STORM DRAINAGE SYSTEMS. PVC PIPING SHALL NOT BE LOCATED IN RETURN AIR PLENUM SPACES.
8. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL PLUMBING CODE AND ALL APPLICABLE GEORGIA CODES AND ORDINANCES.
9. ALL CONDENSATE DRAINAGE, SANITARY, RAINWATER, AND WATER PIPING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
10. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
11. INSULATION AS REQUIRED BY CODE SHALL BE INCLUDED AT WATER PIPE. WATER PIPING ROUTED ABOVE CEILING AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION, AND HEATED SIDE (INSIDE) OF WALL INSULATION.
12. ALL P-TRAPS, CONDENSATE DRAINAGE PIPING, DOMESTIC WATER PIPING, RAINWATER PIPING, AND SANITARY PIPING INSTALLED IN AREAS SUBJECT TO FREEZING SHALL BE HEAT TRACED AND INSULATED.
13. ALL PIPING PENETRATING CEILINGS AND WALLS BELOW CEILINGS SHALL BE INSTALLED WITH CHROME-PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY HAVING JURISDICTION.
14. PROVIDE MANUFACTURED EXPANSION DEVICE OR FABRICATED EXPANSION LOOP ON ALL PIPING SYSTEMS CROSSING BUILDING EXPANSION JOINTS.
15. ALL PLUMBING PIPING, EQUIPMENT, INSULATION, ETC., INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
16. ALL VENT THRU ROOF PENETRATIONS SHALL BE ROUTED TO TERMINATE AT THE LEAST VISIBLE LOCATION FROM THE ENTRY VIEW. COORDINATE EXACT LOCATION AND ORIENTATION IWITH ALL MECHANICAL EQUIPMENT TO MAINTAIN MINIMUM CLEARANCE SPACES.
17. PROVIDE A BASE CLEANOUT AT THE LOWEST LEVEL OF ALL SANITARY AND VENT STACKS.
18. ALL SHOWER HEAD ARMS SHALL BE SECURED TO ADJACENT STRUCTURE.
19. TOPS OF ALL FLOOR DRAINS AND CLEANOUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
20. ALL PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED TO MAINTAIN THEIR RATING. FIRE STOP PRODUCTS SHALL BE AS THOSE MANUFACTURED BY HILTI, 3M. OR APPROVED EQUAL.
21. TRAP GUARDS SHALL BE PROVIDED ON ALL FLOOR DRAINS AND HUB DRAINS THAT DO NOT RECEIVE A CONTINOUS DISCHARGE.
22. PROVIDE WATER HAMMER ARRESTORS SIZED PER PDI SPECIFICATIONS ON ALL DOMESTIC WATER LINES SERVING FLUSH VALVE FIXTURES, WASHING MACHINES, PRV STATIONS, AND ALL OTHER LOCATIONS WITH QUICK-CLOSING VALVES.
23. PROVIDE REDUCED PRESSURE BACKFLOW PREVENTERS AT ALL DOMESTIC WATER CONNECTIONS TO MECHANICAL EQUIPMENT, POOL AND IRRIGATION CONNECTIONS, KITCHEN, LAUNDRY AND VENDING EQUIPMENT CONNECTIONS.
24. ALL WATER HEATERS SHALL BE INSTALLED WITH METAL DRAIN PANS UNDER HEATERS.
25. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE.
26. SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY PLUMBING EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL EQUIPMENT SCHEDULED ON THE DRAWINGS; PLUMBING FIXTURES AND TRIM; WATER HEATERS AND ACCESSORIES; PIPE, VALVES, AND FITTINGS; SANITARY AND WATER RISER DIAGRAMS; INSULATION.
27. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES, INCLUDING ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND THE ELECTRICAL CONTRACTOR, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
28. REFER TO ALL CONSULTANT'S DOCUMENTS FOR EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITY SUPPLIES, DRAINS, FLOOR DRAINS, FLOOR SINKS, ETC.
29. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT HIS OPERATING CONDITIONS.
30. ALL PLUMBING EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH ELECTRICAL DRAWINGS.
31. NATURAL GAS PIPING ABOVE GRADE SHALL BE SCHEDULE 40 BLACK STEEL WITH WELDED JOINTS FOR 2-1/2" AND LARGER, AND SCREWED JOINTS FOR 2" AND SMALLER, EXCEPT FOR GAS PIPING IN HVAC PLENUM SPACES. ALL NATURAL GAS PIPING IN HVAC PLENUM SPACES SHALL BE WELDED JOINTS. NATURAL GAS PIPING BELOW GRADE SHALL BE SCHEDULE 40 BLACK STEEL WITH WELDED JOINTS FOR 2-1/2" AND LARGER, AND SCREWED JOINTS FOR 2" AND SMALLER, AND SHALL BE COATED WITH BITUMASTIC AND WRAPPED WITH KRAFT PAPER.
32. (CONTRACTORS OPTION) NATURAL GAS PIPING ABOVE GRADE: CORRUGATED STAINLESS STEEL TUBING (CSST) WITH ENERGY DISSIPATING POLYETHYLENE JACKET CONFORMING TO ASTM-A240; BRASS FLARE TYPE FITTINGS, ASTM B16, 5 PSI MAXIMUM SYSTEM PRESSURE. POLYETHYLENE JACKET SHALL NOT EXCEED 25/50 FLAME/SMOKE SPREAD RATING. TRACPIPE COUNTERSTRIKE CSST SYSTEM ONLY.
33. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE BY THE OWNER.
34. ANSI/NSF 61, NSF 372, AND NSF 61-G COMPLIANCE IS REQUIRED FOR ALL COMPONENTS OF THE DOMESTIC POTABLE WATER SYSTEM.

FLOW TEST DATA SCHEDULE

UPON AWARD OF THE CONTRACT, THE FIRE PROTECTION CONTRACTOR SHALL PERFORM A FLOW TEST ON THE TWO HYDRANTS NEAREST THE SITE AND FORWARD THE TEST DATA TO THE ENGINEER AND ARCHITECT
THE FOLLOWING WATER PRESSURE/FLOW DATA WAS OBTAINED FROM: CITY OF ATLANTA WATER

STATIC PRESSURE	128 PSI	120 PSI	124 PSI
RESIDUAL PRESSURE	126 PSI	116 PS



2 PR0.01P PLUMBING WASTE FLOOR PLAN LEVEL L1 SOUTH-UNDERGROUND - A
SCALE: 3/32" = 1'-0"

PLUMBING LEGEND

SYMBOLS

- SOIL (S) OR WASTE (W) ABOVE FLOOR OR GRADE
- SOIL (S) OR WASTE (W) BELOW FLOOR OR GRADE
- VENT (V)
- RW — RAINWATER (RW) ABOVE FLOOR OR GRADE
- RW — RAINWATER (RW) BELOW FLOOR OR GRADE
- COLD WATER (CW)
- T — TRAP PRIMER (T)
- GW — GREASE WASTE (GW) ABOVE FLOOR OR GRADE
- GW — GREASE WASTE (GW) BELOW FLOOR OR GRADE
- GV — GREASE VENT (GV)
- PD — PUMPED DISCHARGE (PD)
- 2 D — INDIRECT DRAIN (D)
- DRAIN
- FLOOR CLEANOUT (FCO)
- CLEANOUT (CO)
- STRAINER
- UNION OR FLANGE
- HOSE BIB
- WALL HYDRANT
- BALL VALVE
- BALL VALVE IN VERTICAL RISE
- TRAP PRIMER
- BACKFLOW PREVENTER
- PUMP
- 2 ROOF DRAIN (RD)
- GROUND CLEANOUT (GCO)

ABBREVIATIONS

ABV	ABOVE
AFF/AFG/ARF	ABOVE FINISHED FLOOR/GRADE/RAISED FLOOR
2 AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
BEL	BELOW
BF	BELOW FLOOR
2 BOP	BOTTOM OF PIPE
CB	CATCH BASIN
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT/CONNECTION
CONT	CONTINUATION/CONTINUOUS
DI	DROPPED INLET
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
2 ELE	ELEVATOR
ELEC	ELECTRICAL/ELECTRIC
EX	EXISTING
EXP	EXPOSED
FD	FLOOR DRAIN
FDN	FOUNDATION
FTG	FOOTING
GR	GRADE
2 GW	GREASE WASTE
HC	HANDICAPPED
2 IE	INVERT ELEVATION
MECH	MECHANICAL
2 MH	MANHOLE
PD	PUMP DISCHARGE
SD	SHOWER DRAIN
SHT	SHEET
2 SP	SUMP PUMP
SPEC	SPECIFICATION
TD	TRENCH DRAIN
2 TP	TRAP PRIMER
TR	THROUGH ROOF
TS	TIGHT TO STRUCTURE
UG	UNDERGROUND
VTR	VENT THROUGH ROOF
2 WCO	WALL CLEANOUT

Newcomb&Boyd
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GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019
2	ASI 002	02.07.2020

SCOPE DOCUMENTS

The documents issued indicate the general scope of the Project. The Construction Manager is responsible for complete and coordinated pricing and execution of the Work, and shall include items necessary for the proper execution and completion of the Work, as shown, specified, reasonably inferred or required for a complete Project. For Work of delegated designs, systems, assemblies, components and materials shall comply with national, state and local code requirements. The Construction Manager shall inform the Owner and Architect, in timely fashion, of any discovered omissions, inconsistencies or errors in the Contract Documents.

MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

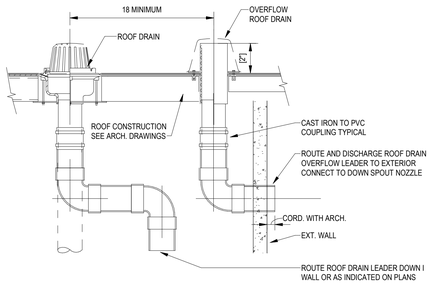
PLUMBING LEGEND-PARKING & WASTE FLOOR PLAN LEVEL L1 SOUTH UNDERGROUND

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PR0.01P

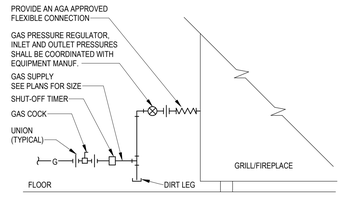
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PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR0.01P - PLUMBING LEGEND-PARKING & WASTE FLOOR PLAN LEVEL L1 SOUTH UNDERGROUND
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Residential Building_R19.rvt
2/7/2020 12:53:48 PM



11 ROOF AND OVERFLOW DRAIN DETAIL

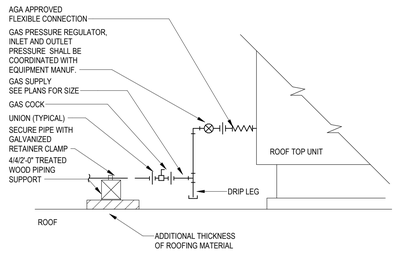
Scale: 1" = 10'-0"



NOTES:
1. SHUT-OFF TIMER (1-3 HR.) EQUAL TO PH PETERSON MODEL 3090.
2. INSTALL IN AN ACCESSIBLE LOCATION PER MANUFACTURER'S RECOMMENDATIONS

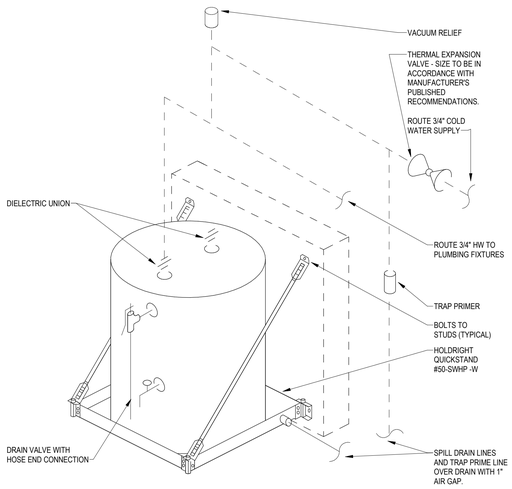
12 GRILL/FIREPLACE GAS CONNECTION DETAIL

Scale: 12" = 1'-0"



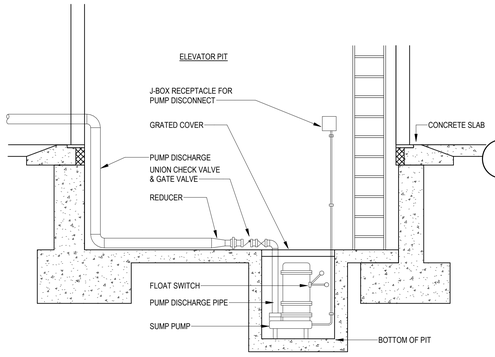
13 ROOFTOP EQUIPMENT GAS CONNECTION DETAIL

Scale: 12" = 1'-0"



14 SHELF MOUNTED WATER HEATER DETAIL

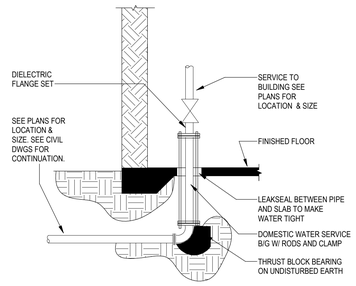
Scale: 1/4" = 1'-0"



NOTE: CONTRACTOR SHALL REFER TO THE MANUFACTURER INSTALLATION DIAGRAMS AND INSTRUCTIONS FOR THE INSTALLATION OF THE ELEVATOR SUMP PUMP SYSTEM AND CONTROLS

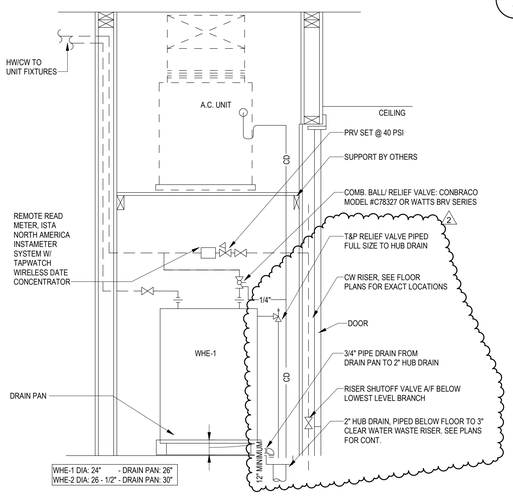
8 ELEVATOR SUMP PUMP DETAIL

Scale: 12" = 1'-0"



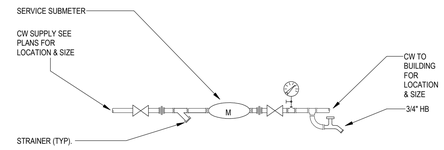
9 PIPE PENETRATION FOR SLAB ON GRADE

Scale: 12" = 1'-0"



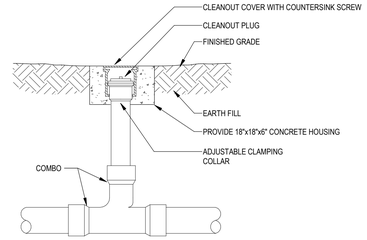
10 LOW-BOY STORAGE ELECTRIC WATER-HEATER COMBINED CLOSET

Scale: 12" = 1'-0"



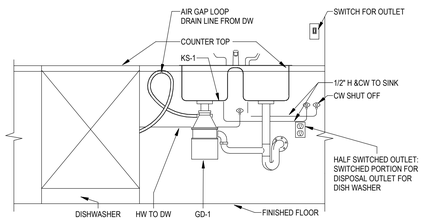
5 WATER SERVICE W/SUBMETER

Scale: 12" = 1'-0"



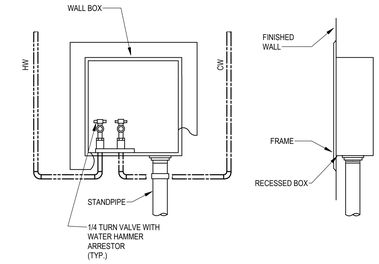
6 FLOOR CLEANOUT DETAIL

Scale: 12" = 1'-0"



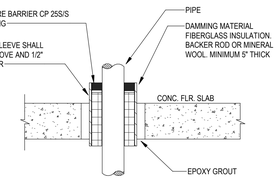
7 KITCHEN SINK WITH GARBAGE DISPOSAL

Scale: 12" = 1'-0"



1 WASHING MACHINE CONNECTION (WITH WHA) DETAIL

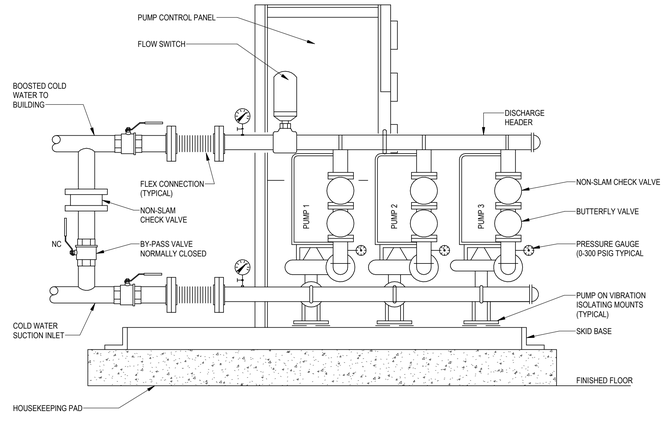
Scale: 12" = 1'-0"



NOTE: ALL HOLES CORE DRILLED IN EXISTING CONCRETE FLOOR SLABS SHALL BE FIELD COORDINATED TO ENSURE LOCATIONS ARE COORDINATED WITH ARCHITECTURAL DIMENSIONED DRAWINGS.

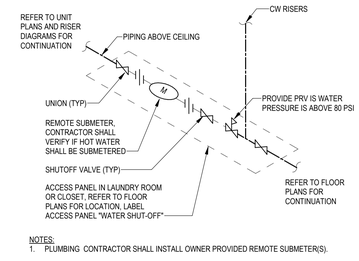
2 PIPE PENETRATION THRU FLOOR DETAIL

Scale: 12" = 1'-0"



4 DOMESTIC WATER BOOSTER PUMP

Scale: 1/4" = 1'-0"



NOTES:
1. PLUMBING CONTRACTOR SHALL INSTALL OWNER PROVIDED REMOTE SUBMETER(S).

3 TYPICAL UNIT WATER SUPPLY DETAIL

Scale: 12" = 1'-0"

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Project Number: 1910542
Drawn By: PKE Checked By: MDB

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER DONALD SHEFFIELD

3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	DESIGN DEVELOPMENT	08.30.2019
	RESIDENTIAL PERMIT SET	12.04.2019
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

DETAILS - PLUMBING

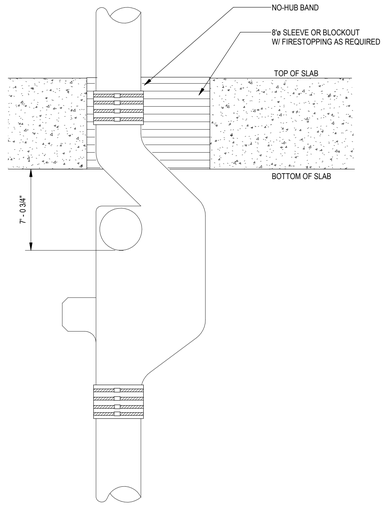
Designer	1910542
Principal-in-Charge	Project No.
Approver	11/16/18
Project Manager	Date
MDB	
Project Architect	
PKE	
Staff Architect	

PR0.02

Drawing No.

ISSUED FOR CONSTRUCTION

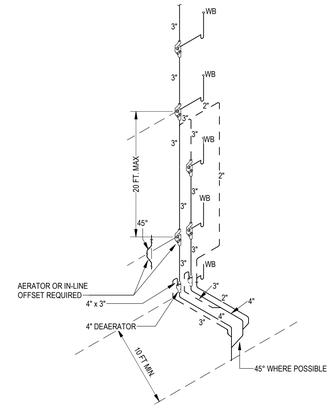
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SHEET NUMBER: PR0.02 - DETAILS - PLUMBING
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3/31/2020 11:56:03 AM



NOTE:
1. START I.E. OF 4"S USING B-LINE "B-109" FLAT TOP CLEVIS HANGER

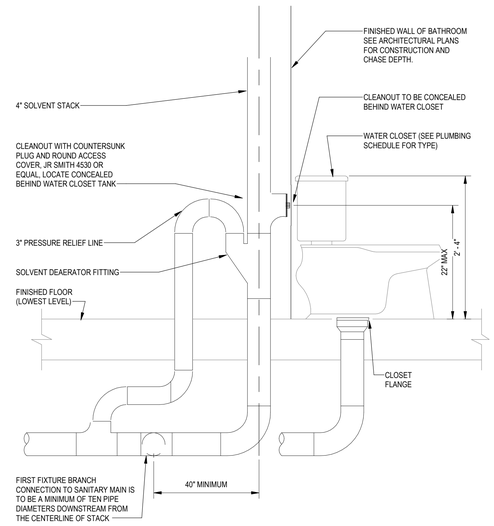
3 SOVENT FITTING BLOCKOUT

Scale: 3/16" = 1'-0"



1 WASHING MACHINE - SOVENT

Scale: 12" = 1'-0"



2 SOVENT RISER - LOWEST LEVEL

Scale: 1" = 1'-0"

Jordan & Skala Engineers
4275 Shackleford Rd., ● Suite 200
Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER BONALD SHEFFIELD

3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL PERMIT SET	12.04.2019

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

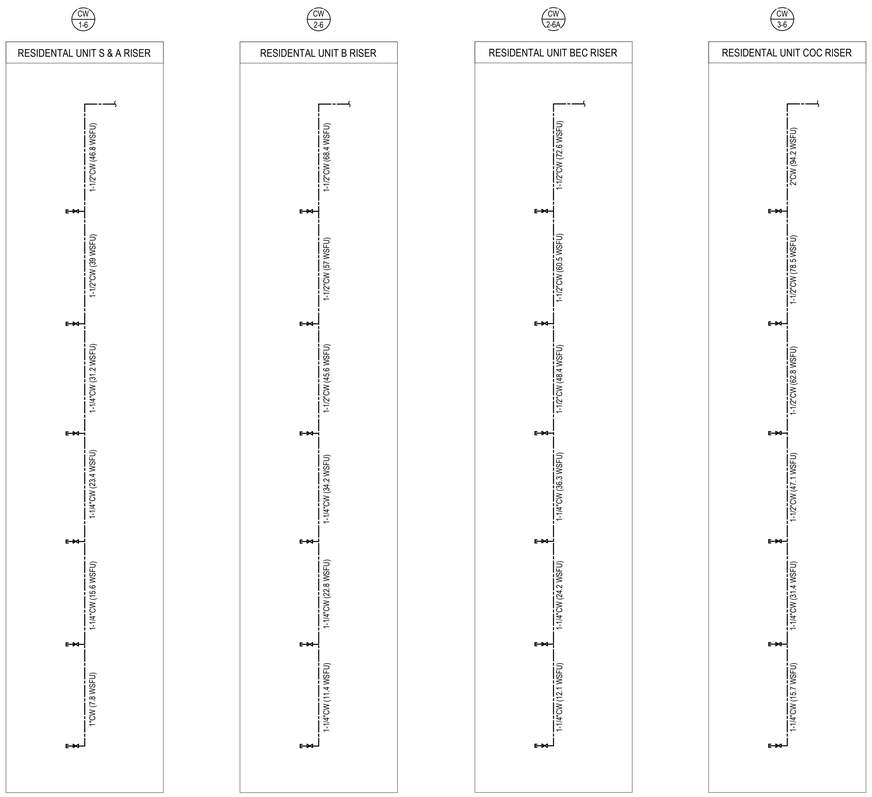
METLIFE/STREETLIGHTS RESIDENTIAL

DETAIL - PLUMBING

Designer Principal-in-Charge	1910542 Project No.
Approver Project Manager	11/22/19 Date
Checker Project Architect	
Author Staff Architect	PR0.03 Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR0.03 - DETAIL - PLUMBING
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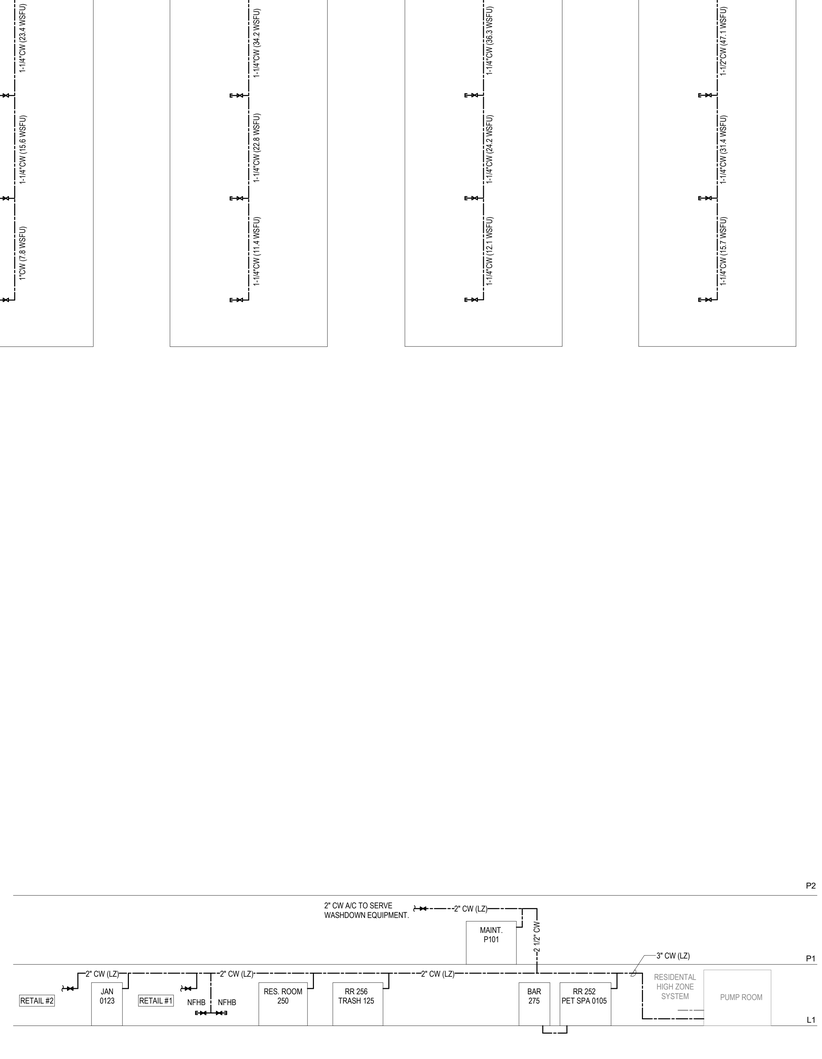


FIGURE 1B: CONTINUATION OF FIGURE 1A, SHOWING DOMESTIC WATER LOW ZONE SYSTEM

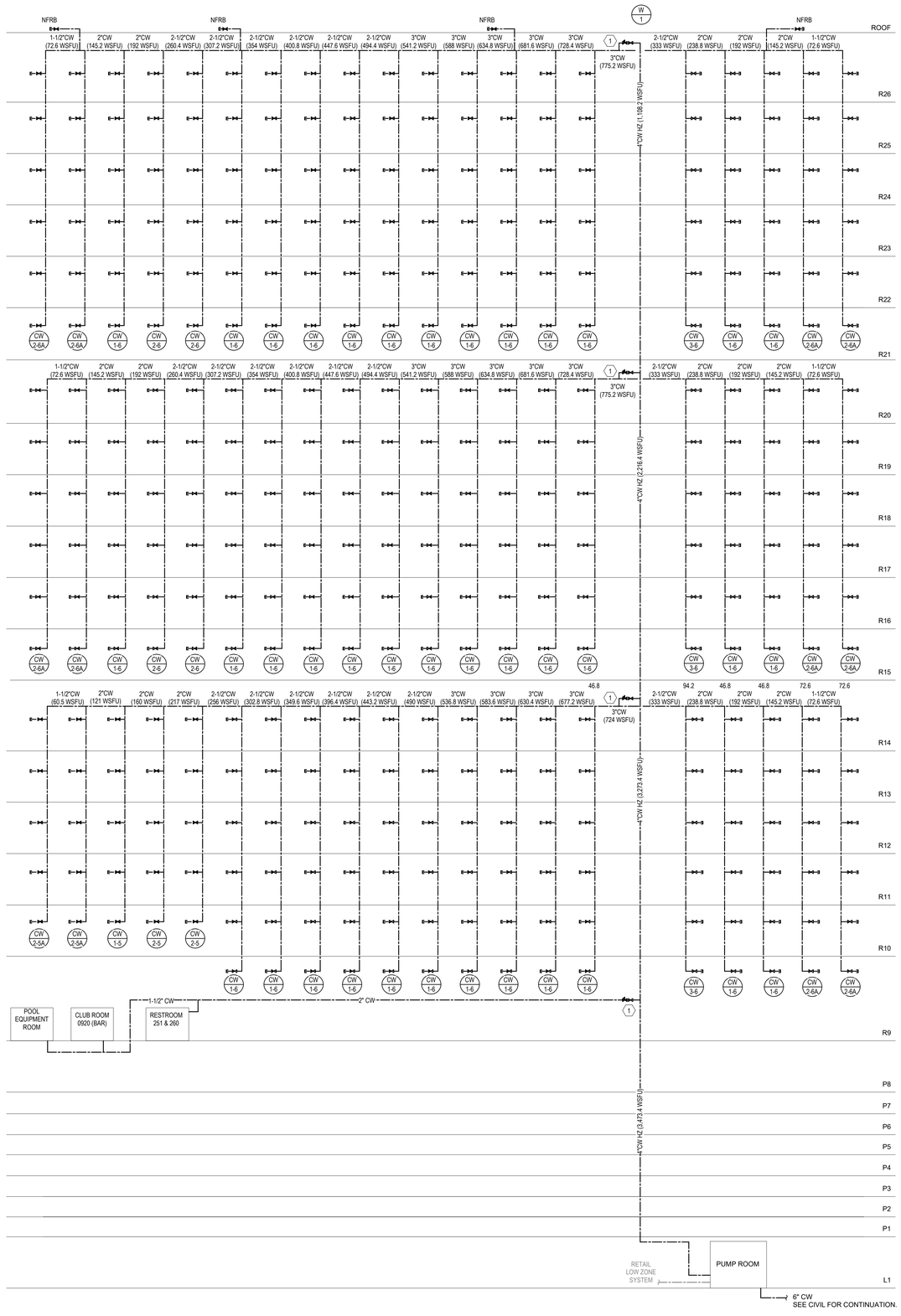


FIGURE 1A: DOMESTIC WATER HIGH ZONE SYSTEM

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Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER DONALD SHEFFIELD

3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL PERMIT SET	12.04.2019
2	WOPR-001	03.31.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

RISER DIAGRAM - DOMESTIC WATER

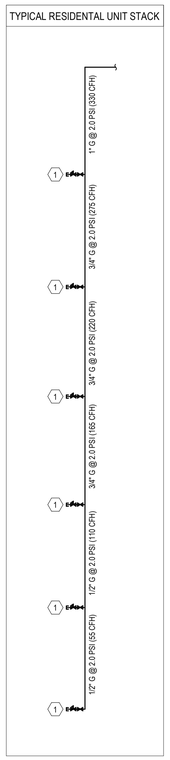
Designer	1910542
Principal-in-Charge	Project No.
Approver	11/22/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR0.04

Drawing No.

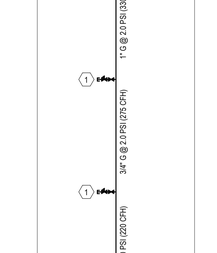
ISSUED FOR CONSTRUCTION

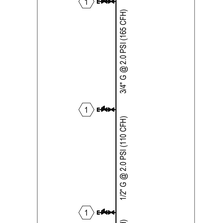
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SHEET NUMBER: PR0.04 - RISER DIAGRAM - DOMESTIC WATER
D:\Revit Projects\1910542 - Midtown Union Residential_R19 MEP Central_PatrickKo.rvt
3/31/2020 11:56:11 AM



1 TAP TO EACH GAS RANGE.
PROVIDE BALL VALVE SHUTOFF, VENTLESS PRESSURE REDUCING VALVE, DIRT LEG, & UNION.
FLOW: 55 CFH
INLET PRESSURE: 2.0 PSI
OUTLET PRESSURE: 7" W.C.

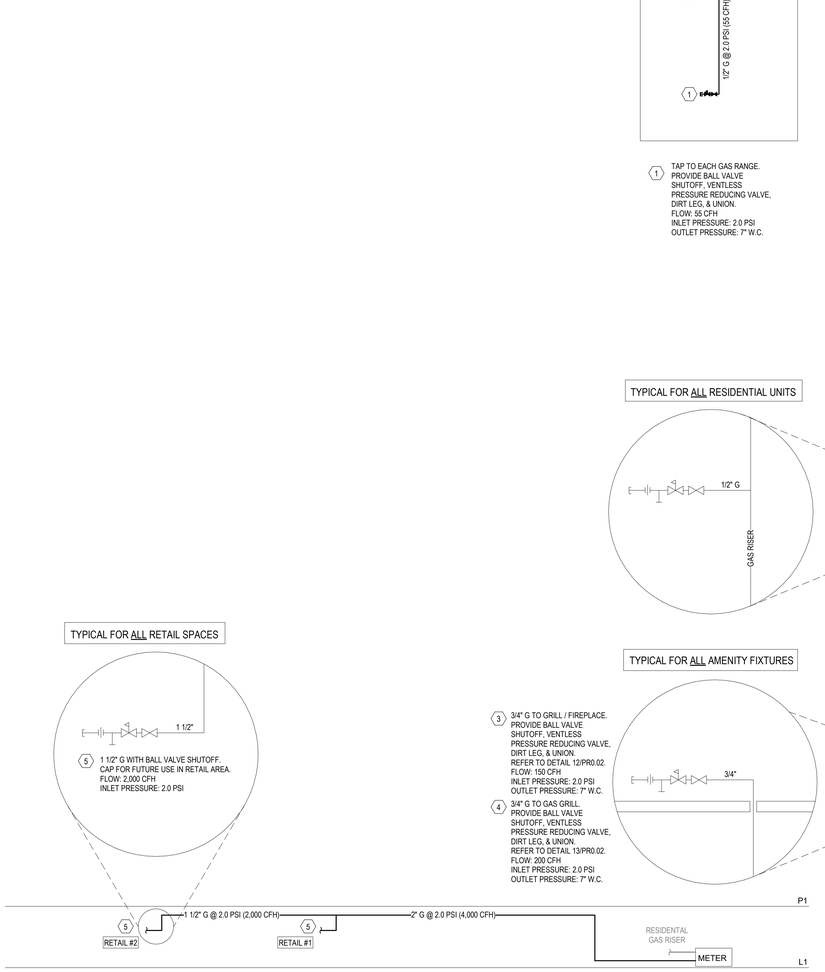
5 1 1/2" G WITH BALL VALVE SHUTOFF. CAP FOR FUTURE USE IN RETAIL AREA.
FLOW: 2,000 CFH
INLET PRESSURE: 2.0 PSI





3 3/4" G TO GRILL / FIREPLACE.
PROVIDE BALL VALVE SHUTOFF, VENTLESS PRESSURE REDUCING VALVE, DIRT LEG, & UNION.
REFER TO DETAIL 12/PR0.02.
FLOW: 150 CFH
INLET PRESSURE: 2.0 PSI
OUTLET PRESSURE: 7" W.C.

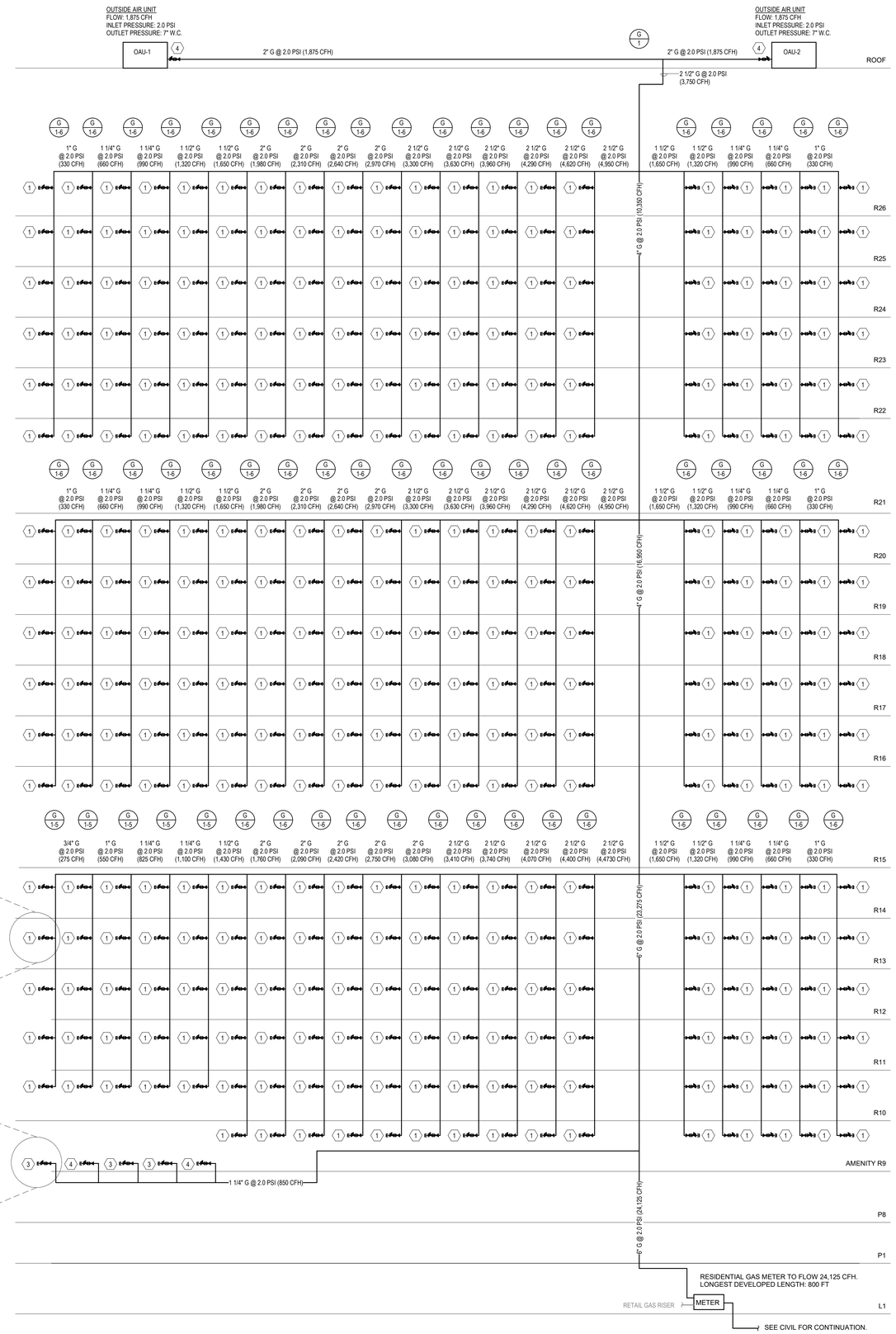
4 3/4" G TO GAS GRILL.
PROVIDE BALL VALVE SHUTOFF, VENTLESS PRESSURE REDUCING VALVE, DIRT LEG, & UNION.
REFER TO DETAIL 13/PR0.02.
FLOW: 200 CFH
INLET PRESSURE: 2.0 PSI
OUTLET PRESSURE: 7" W.C.



RETAIL GAS METER TO FLOW 4,000 CFH.
LONGEST DEVELOPED LEGTH: 500 FT

GAS SIZING IS BASED ON THE 2012 IFGC, TABLE 402.4(5), SCHEDULE 40, INLET PRESSURE OF 2 PSI, 1 PSI DROP AND 0.60 S.G.

FIGURE 1B: CONTINUATION OF FIGURE 1A, SHOWING RETAIL GAS SERVICE



GAS SIZING IS BASED ON THE 2012 IFGC, TABLE 402.4(5), SCHEDULE 40, INLET PRESSURE OF 2 PSI, 1 PSI DROP AND 0.60 S.G.

FIGURE 1A: GAS METER WITH RESIDENTIAL GAS SERVICE

JSE
Jordan & Skala Engineers
4275 Shackleford Rd., ● Suite 200
Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177421 PROFESSIONAL ENGINEER RONALD SHEFFIELD

3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL PERMIT SET	12.04.2019
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

RISER DIAGRAM - NATURAL GAS

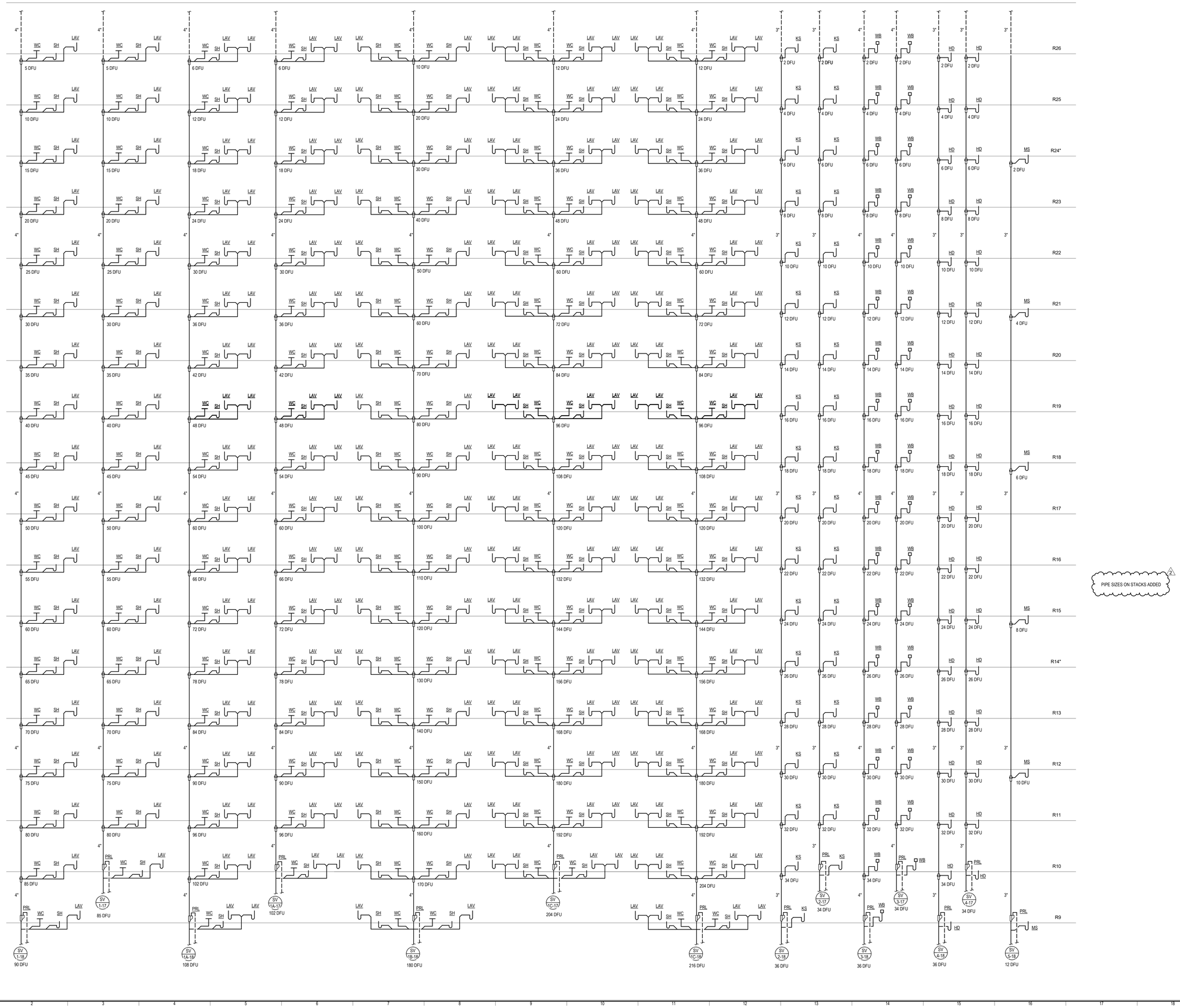
Designer	1910542
Principal-in-Charge	Project No.
Approver	11/21/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR0.05

Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR0.05 - RISER DIAGRAM - NATURAL GAS
D:\Revit Projects\1910542 - Midtown Union Residential_R19 MEP Central_PatrickCo.rvt
3/31/2020 11:56:21 AM



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Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER RONALD SHEFFIELD

3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL PERMIT SET	12.04.2019
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

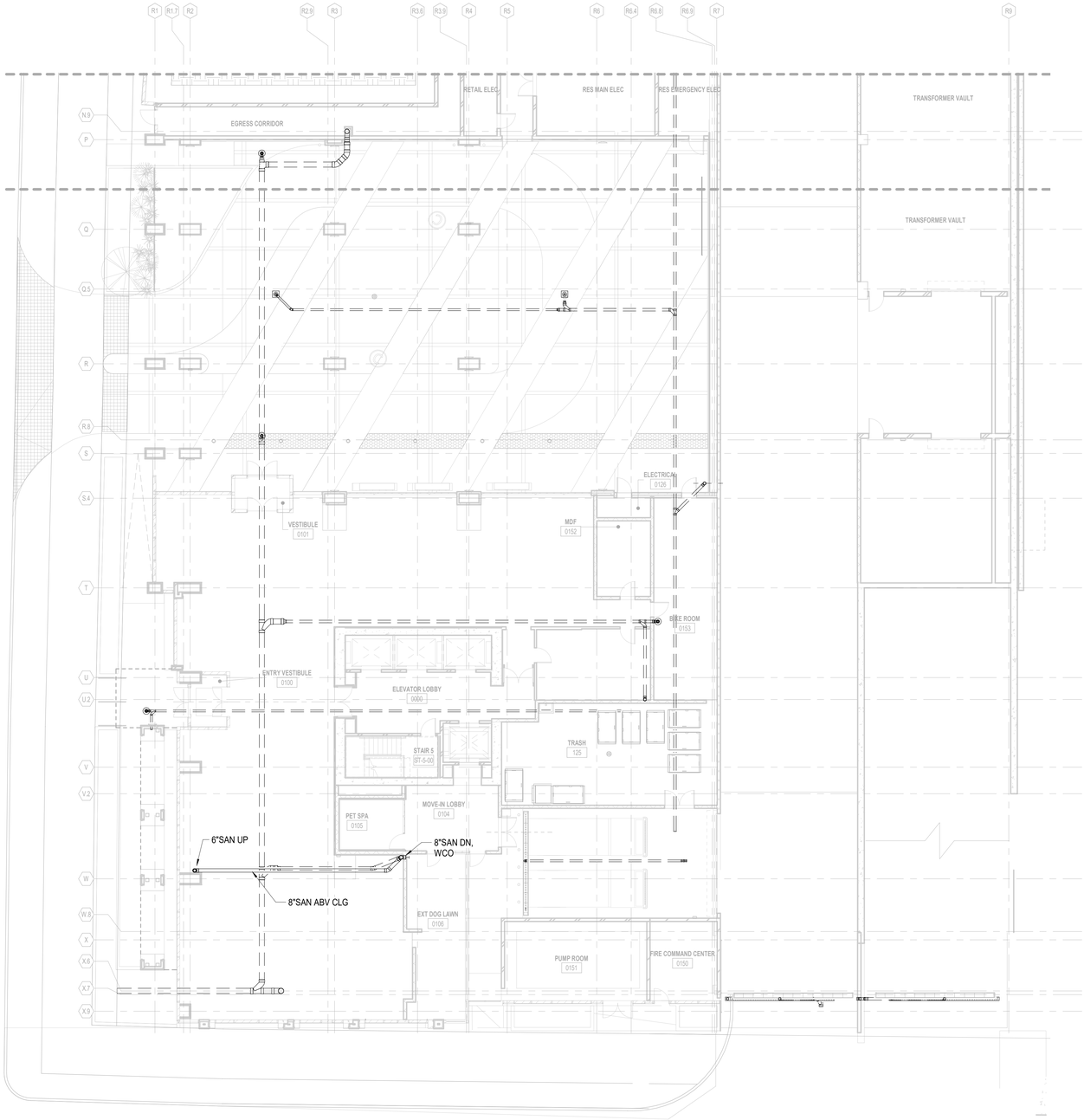
METLIFE/STREETLIGHTS RESIDENTIAL

RISER DIAGRAM - WASTE AND VENT

Designer	1910542
Principal-in-Charge	Project No.
Approver	11/22/19
Project Manager	Date
Checker	
Project Architect	
Author	PR0.06
Staff Architect	Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR0.06 - RISER DIAGRAM - WASTE AND VENT
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1 PR2.0L1 AP — PLUMBING FLOOR PLAN LEVEL L1 SOUTH

SCALE: 3/32" = 1'-0"

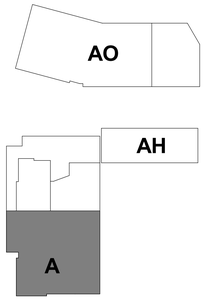
Newcomb&Boyd
CONSULTANTS AND ENGINEERS

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Consulting Engineering Group
303 Peachtree Center Avenue, NE
Suite 525
Atlanta, Georgia 30303-1277
T 404 730-8400
Contact: Hugo P. Lastra
N&B PROJECT:17N402

GEORGIA
REGISTERED
PROFESSIONAL
ENGINEER
ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019



SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING FLOOR PLAN LEVEL L1 SOUTH-PARKING

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PR2.0L1 AP

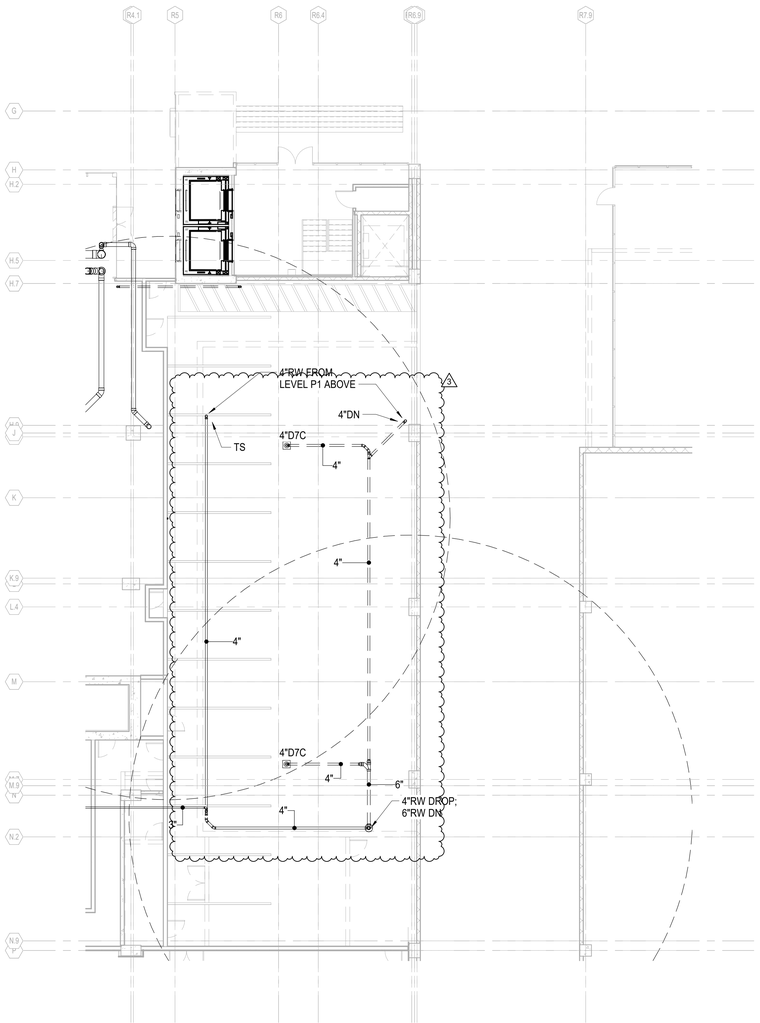
Drawing No.

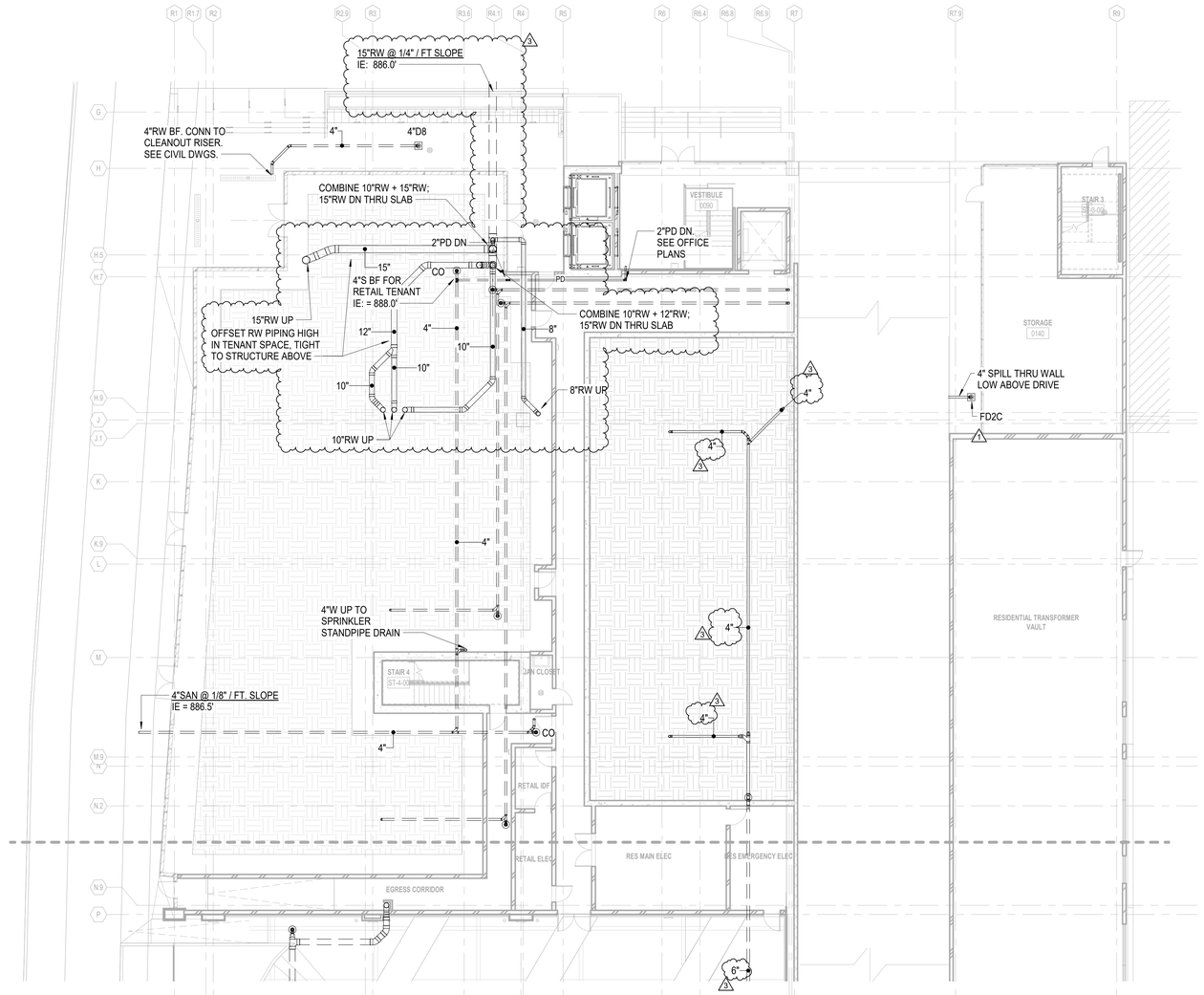
ISSUED FOR CONSTRUCTION

4 8 16 32

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PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.0L1 AP - PLUMBING FLOOR PLAN LEVEL L1 SOUTH-PARKING
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Residential Building_R19.rvt
11/26/2019 6:08:29 PM





2 PR2.0L1 BP — PLUMBING FLOOR PLAN - VALET PARKING
SCALE: 3/32" = 1'-0"

1 PR2.0L1 BP — PLUMBING FLOOR PLAN LEVEL L1 NORTH
SCALE: 3/32" = 1'-0"

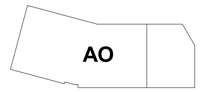
Newcomb&Boyd
CONSULTANTS AND ENGINEERS

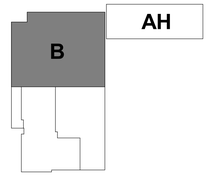
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Suite 525
Atlanta, Georgia 30303-1277
T 404 730-8400
Contact: Hugo P. Lastra
N&B PROJECT:17N402

GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019
1	COA COMMENTS	01.15.2020
3	WCPR-001	03.31.2020





SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING FLOOR PLAN LEVEL L1 NORTH-PARKING

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
DMC	
Staff Engineer	

PR2.0L1 BP
Drawing No.

ISSUED FOR CONSTRUCTION

4 8 16 32

N

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.0L1 BP - PLUMBING FLOOR PLAN LEVEL L1 NORTH-PARKING
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GENERAL NOTES:

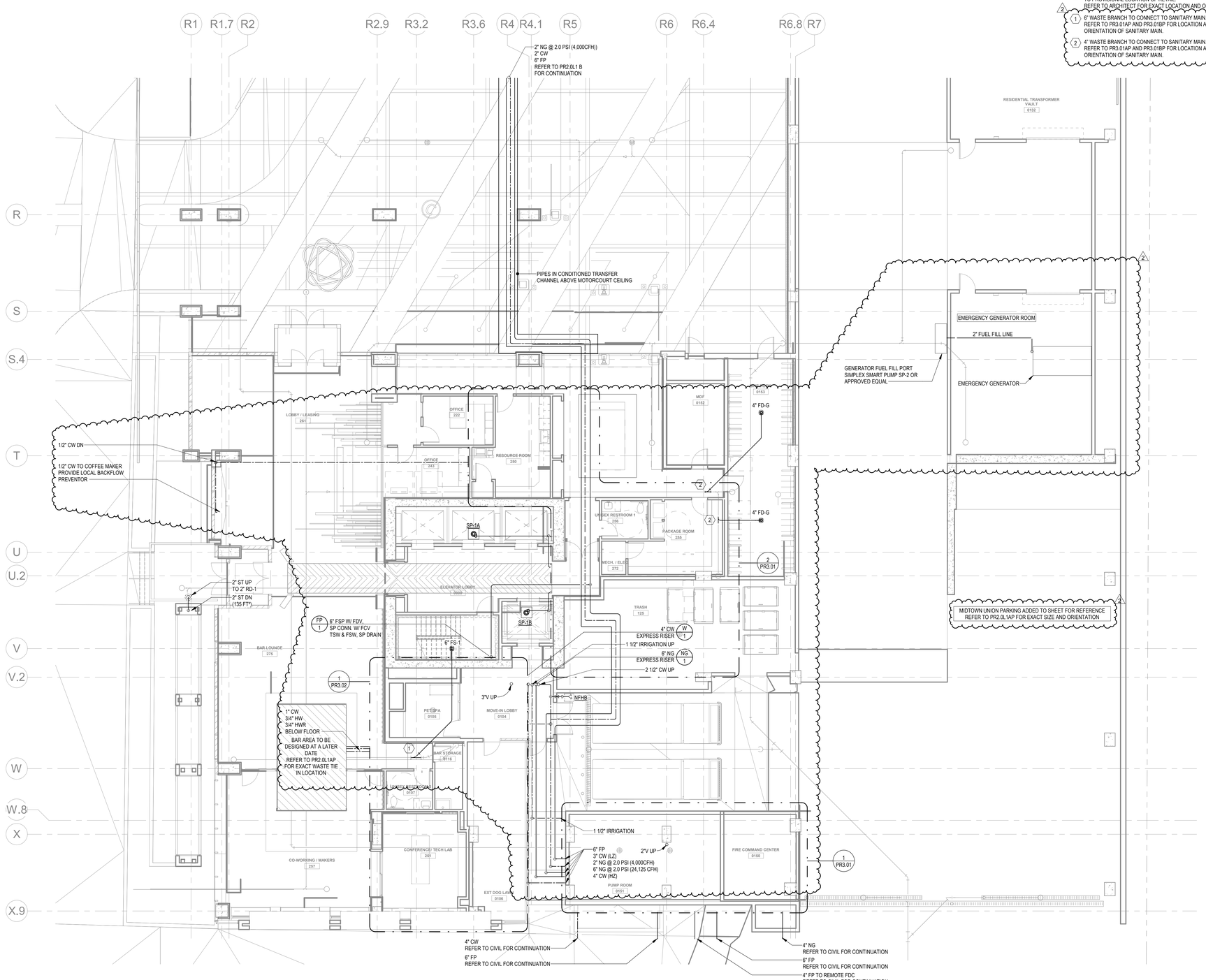
1. ALL EXPOSED WATER PIPES MUST BE HEAT TRACED IN PARKING LOT AREA
2. ALL EXPOSED WASTE PTRAPS MUST BE HEAT TRACED IN PARKING LOT AREA
3. COORDINATE ALL HEAT TRACE PIPING WITH ELECTRICAL CONTRACTOR.
4. COORDINATE ALL CONDENSATE DRAIN LOCATIONS WITH MECHANICAL.
5. PROVIDE DELUGE SYSTEM IN PARKING GARAGE VESTIBULES.
6. REFER TO NEWCOMB AND BOYD DRAWINGS REGARDING FOUNDATION DRAINAGE.

KEY NOTES:

NG PROVISIONAL LOCATION OF GAS SUPPLY TO RETAIL SPACE. REFER TO ARCHITECT FOR EXACT LOCATION AND ORIENTATION. PROVIDE 2" GAS PIPE W/GPRV (INLET PRESS. 2.0 PSI, OUTLET PRESS. 7" W. C.)

W1 WATER / GAS PIPING W/ LOCAL SHUTOFF AND SUB METER TO PROVISIONAL LOCATION OF RETAIL. REFER TO ARCHITECT FOR EXACT LOCATION AND ORIENTATION

2
1. 6" WASTE BRANCH TO CONNECT TO SANITARY MAIN. REFER TO PR3.01AP AND PR3.01BP FOR LOCATION AND ORIENTATION OF SANITARY MAIN.
2. 4" WASTE BRANCH TO CONNECT TO SANITARY MAIN. REFER TO PR3.01AP AND PR3.01BP FOR LOCATION AND ORIENTATION OF SANITARY MAIN.



NORTH 1 P-L1 LOBBY - SOUTH - PLUMB

Scale: 1/8" = 1'-0" (0, 4, 8, 16)

Jordan & Skala Engineers
4275 Shackleford Rd., ● Suite 200
Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER RONALD SHEFFIELD

3/31/2020

ISSUANCES			
No.	Drawing Issue Description		Date
2	WCPR-001	(FORTHCOMING ISSUANCE)	03.31.2020

ISSUED WITH MTU RESIDENTAL RFI-0007-00 3/13/20

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

FLOOR PLAN - LEVEL L1 - SOUTH - PLUMBING

Designer	1910542
Principal-in-Charge	Project No.
Approver	11/06/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.0L1 A

Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.0L1 A - FLOOR PLAN - LEVEL L1 - SOUTH - PLUMBING
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GENERAL NOTES:

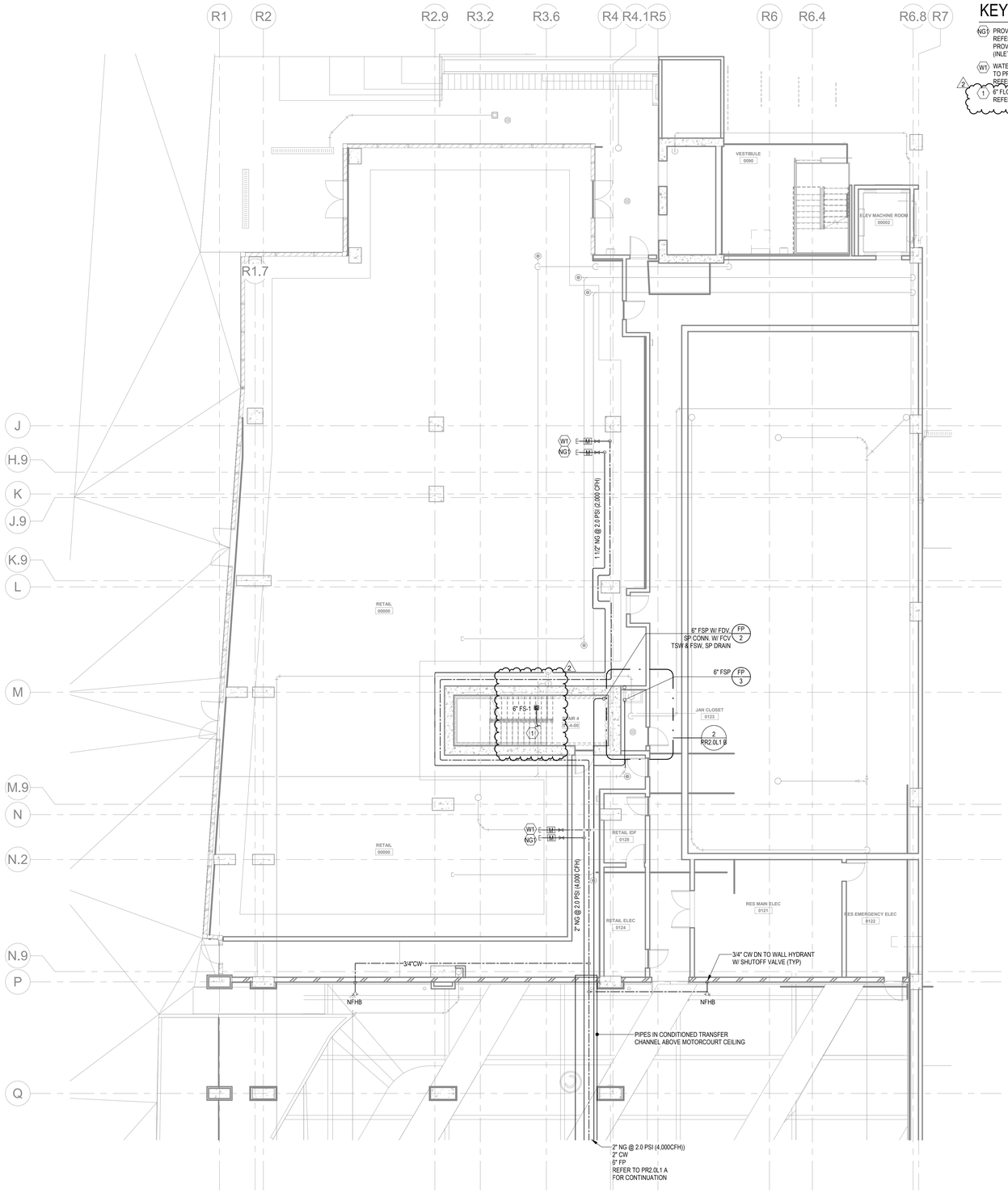
1. ALL EXPOSED WATER PIPES MUST BE HEAT TRACED IN PARKING LOT AREA
2. ALL EXPOSED WASTE PITRAPS MUST BE HEAT TRACED IN PARKING LOT AREA
3. COORDINATE ALL HEAT TRACE PIPING WITH ELECTRICAL CONTRACTOR.
4. COORDINATE ALL CONDENSATE DRAIN LOCATIONS WITH MECHANICAL.
5. PROVIDE DELUGE SYSTEM IN PARKING GARAGE VESTIBULES.
6. REFER TO NEWCOMB AND BOYD DRAWINGS REGARDING FOUNDATION DRAINAGE.

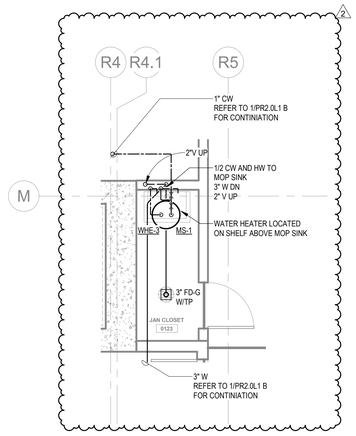
KEY NOTES:

(NG) PROVISIONAL LOCATION OF GAS SUPPLY TO RETAIL SPACE.
REFER TO ARCHITECT FOR EXACT LOCATION AND ORIENTATION.
PROVIDE 2" GAS PIPE W/GPRV
(INLET PRESS. 2.0 PSI, OUTLET PRESS. 7" W. C.)

(W) WATER / GAS PIPING W/ LOCAL SHUTOFF AND SUB METER
TO PROVISIONAL LOCATION OF RETAIL.
REFER TO ARCHITECT FOR EXACT LOCATION AND ORIENTATION.

2 / 1 6" FLOOR SINK
REFER TO PR3.01BP AND PR3.01BP FOR CONTINUATION





ENLARGED PLAN - JANITORS CLOSET
0123 - PART A - PLUMB

NORTH 2 Scale: 1/4" = 1'-0"

0 4 8 16

P-L1 LOBBY - NORTH - PLUMB

NORTH 1 Scale: 1/8" = 1'-0"

0 4 8 16

Jordan & Skala Engineers
4275 Shackleford Rd., ● Suite 200
Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER RONALD SHEFFIELD

3/31/2020

ISSUANCES			
No.	Drawing Issue Description		Date
2	WCPR-001	(FORTHCOMING ISSUANCE)	03.31.2020

ISSUED WITH MTU RESIDENTAL RFI-0007-00 3/13/20

SCOPE DOCUMENTS

The documents issued indicate the general scope of the Project. The Construction Manager is responsible for complete and coordinated pricing and execution of the Work, and shall include items necessary for the proper execution and completion of the Work, as shown, specified, reasonably inferred or required for a complete Project. For Work of delegated designs; systems, assemblies, components and materials shall comply with national, state and local code requirements. The Construction Manager shall inform the Owner and Architect, in timely fashion, of any discovered omissions, inconsistencies or errors in the Contract Documents.

MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

FLOOR PLAN - LEVEL L1 - NORTH - PLUMBING

Designer	1910542
Principal-in-Charge	Project No.
Approver	11/06/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.0L1 B

Drawing No.

ISSUED FOR CONSTRUCTION

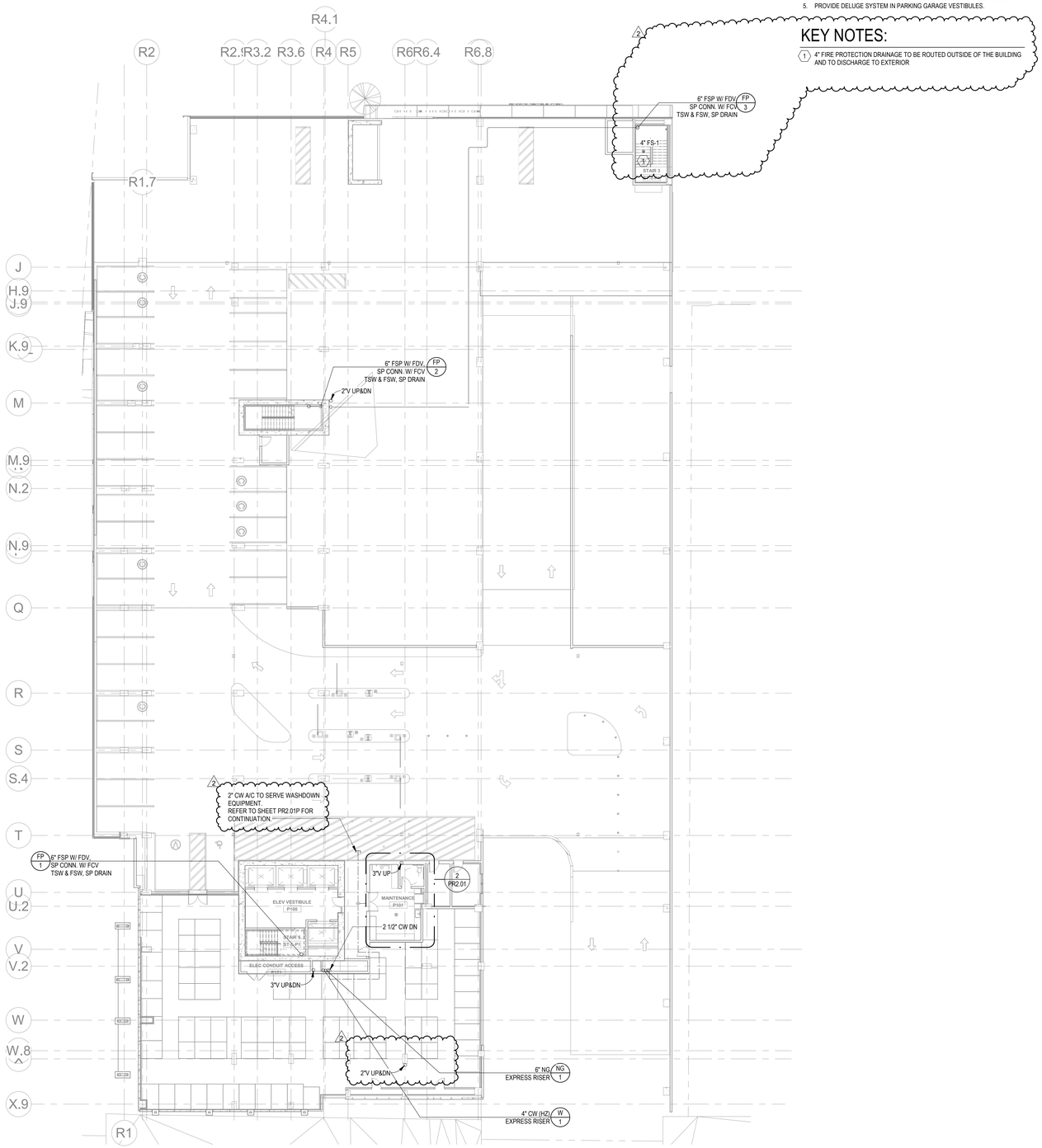
PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.0L1 B - FLOOR PLAN - LEVEL L1 - NORTH - PLUMBING
D:\Revit Projects\1910542 - Midtown Union Residential_R19 MEP Central_PatrickCo.rvt
3/31/2020 11:56:51 AM

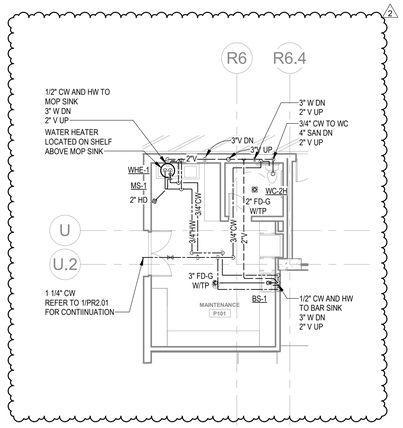
GENERAL NOTES:

1. ALL EXPOSED WATER PIPES MUST BE HEAT TRACED IN PARKING LOT AREA
2. ALL EXPOSED WASTE PTRAPS MUST BE HEAT TRACED IN PARKING LOT AREA
3. COORDINATE ALL HEAT TRACE PIPING WITH ELECTRICAL CONTRACTOR.
4. COORDINATE ALL CONDENSATE DRAIN LOCATIONS WITH MECHANICAL.
5. PROVIDE DELUGE SYSTEM IN PARKING GARAGE VESTIBULES.

KEY NOTES:

(1) 4" FIRE PROTECTION DRAINAGE TO BE ROUTED OUTSIDE OF THE BUILDING AND TO DISCHARGE TO EXTERIOR





NORTH 2 ENLARGED PLAN - MAINTENANCE P101 - PLUMBING

Scale: 1/8" = 1'-0" 0 4 8 16

NORTH 1 P-LP1-PLUMB

Scale: 1/16" = 1'-0" 0 4 8 16

JSE
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Project Number: 1910542
Drawn By: Author Checked By: Checker

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3/31/2020

ISSUANCES			
No.	Drawing Issue Description		Date
2	WCPR-001	(FORTHCOMING ISSUANCE)	03.31.2020

ISSUED WITH MTU RESIDENTAL RFI-0007-00 3/13/20

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

FLOOR PLAN - LEVEL P1 - PLUMBING

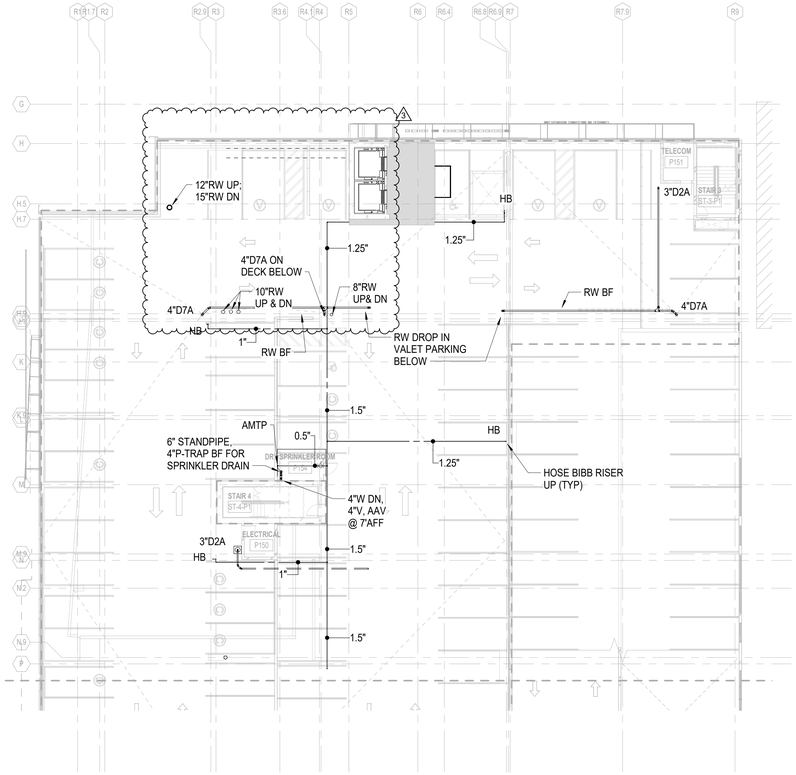
Designer	1910542
Principal-in-Charge	Project No.
Approver	07/26/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.01

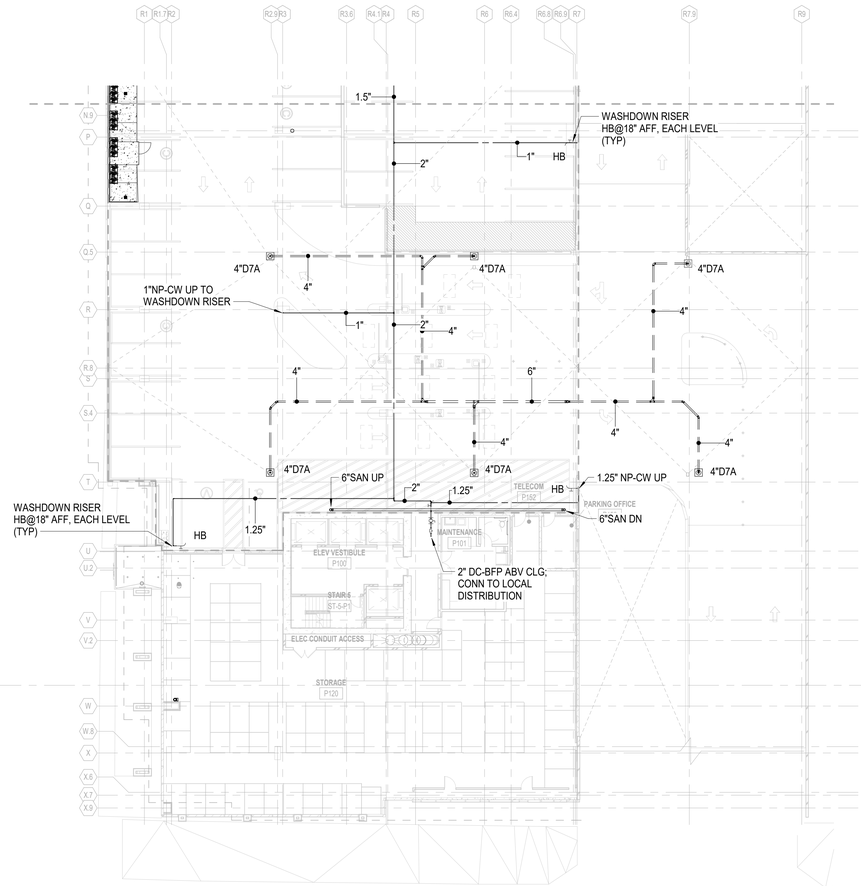
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ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.01 - FLOOR PLAN - LEVEL P1 - PLUMBING
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3/31/2020 11:57:02 AM



1 PR2.01P — PLUMBING FLOOR PLAN LEVEL P1 NORTH
SCALE: 1/16" = 1'-0"



2 PR2.01P — PLUMBING FLOOR PLAN LEVEL P1 SOUTH
SCALE: 1/16" = 1'-0"

4 8 16 32

N

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.01P - PLUMBING FLOOR PLAN LEVEL P1-PARKING
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Residential Building_R19.rvt
3/23/2020 2:50:51 PM

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Contact: Hugo P. Lastra
N&B PROJECT:17N402

GEORGIA
REGISTERED
PROFESSIONAL
ENGINEER
ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019
3	WCPR-001	03.31.2020

AO

AH
B
A

SCOPE DOCUMENTS

The documents issued indicate the general scope of the Project. The Construction Manager is responsible for complete and coordinated pricing and execution of the Work, and shall include items necessary for the proper execution and completion of the Work, as shown, specified, reasonably inferred or required for a complete Project. For Work of delegated designs; systems, assemblies, components and materials shall comply with national, state and local code requirements. The Construction Manager shall inform the Owner and Architect, in timely fashion, of any discovered omissions, inconsistencies or errors in the Contract Documents.

MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

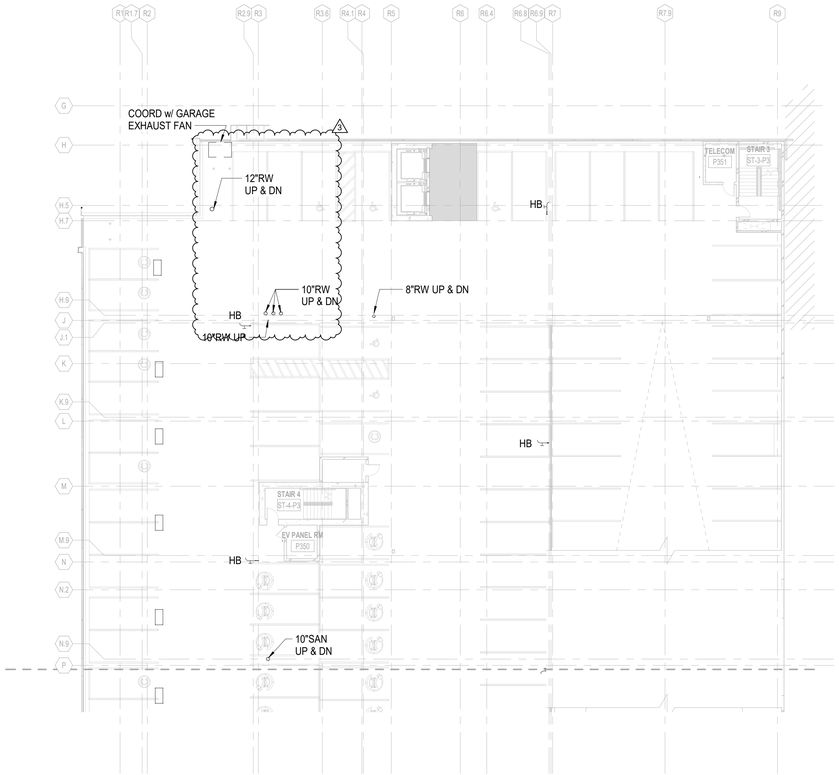
METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING FLOOR PLAN LEVEL P1-PARKING

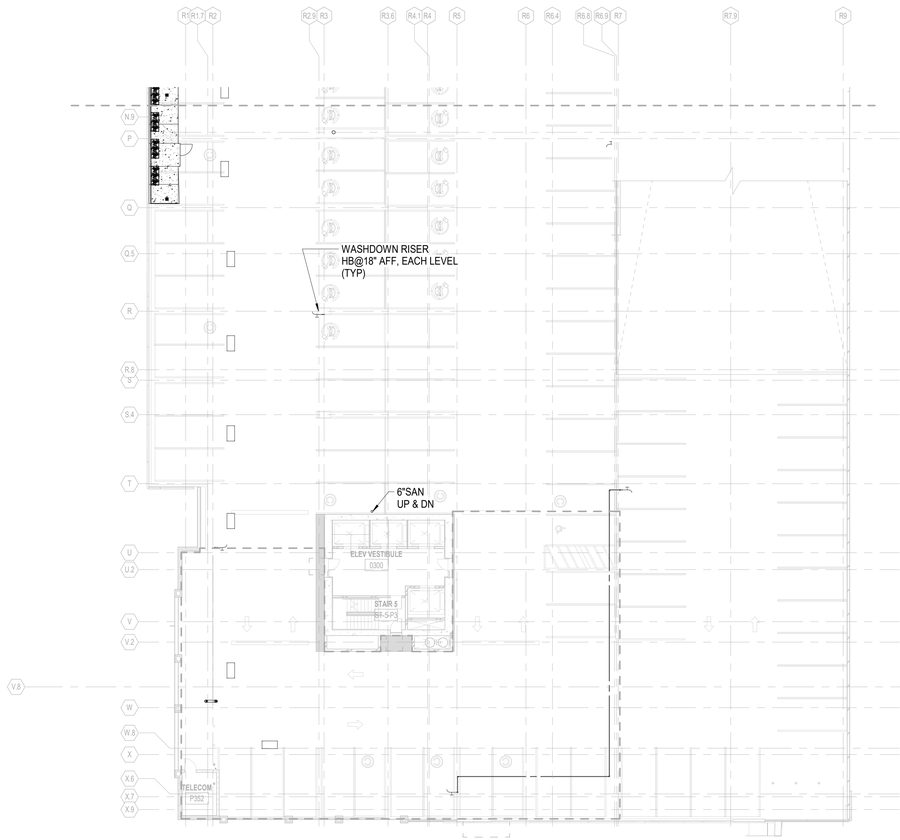
RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
DMC	
Staff Engineer	

PR2.01P
Drawing No.

ISSUED FOR CONSTRUCTION



1 PR2.02P PLUMBING FLOOR PLAN LEVEL P2 NORTH
SCALE: 1/16" = 1'-0"



2 PR2.02P PLUMBING FLOOR PLAN LEVEL P2 SOUTH
SCALE: 1/16" = 1'-0"

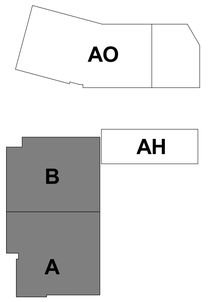
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T 404 730-8400
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N&B PROJECT:17N402

GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019
3	WDPR-001	03.31.2020



SCOPE DOCUMENTS

The documents issued indicate the general scope of the Project. The Construction Manager is responsible for complete and coordinated pricing and execution of the Work, and shall include items necessary for the proper execution and completion of the Work, as shown, specified, reasonably inferred or required for a complete Project. For Work of delegated designs; systems, assemblies, components and materials shall comply with national, state and local code requirements. The Construction Manager shall inform the Owner and Architect, in timely fashion, of any discovered omissions, inconsistencies or errors in the Contract Documents.

MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING FLOOR PLAN LEVEL P2-PARKING

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
DMC	
Staff Engineer	

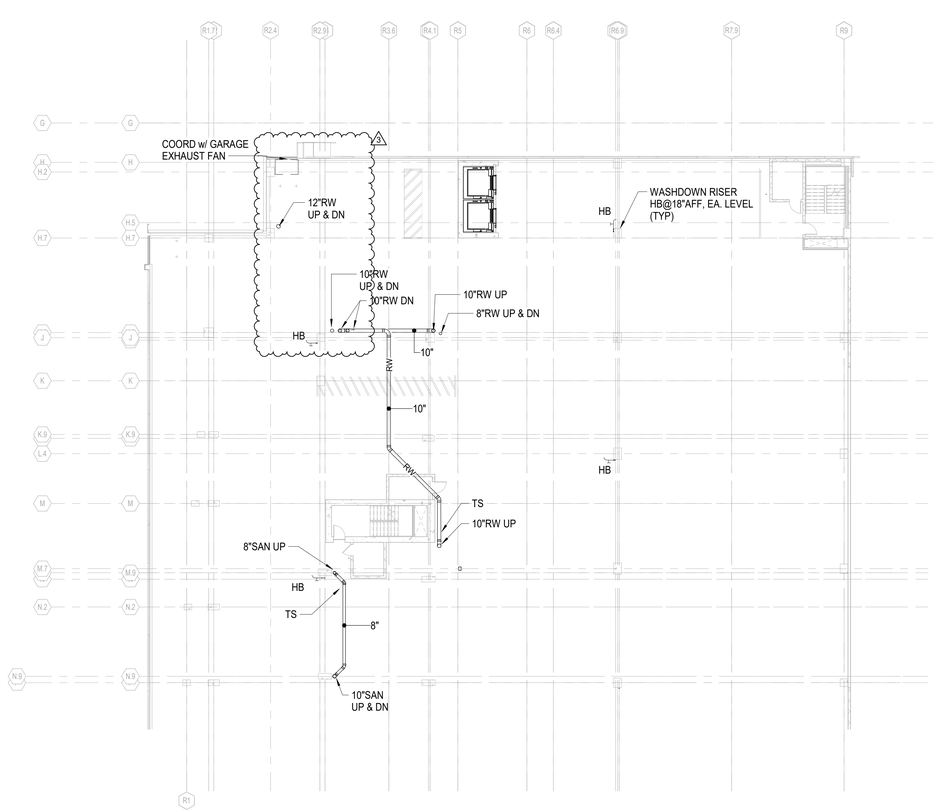
PR2.02P
Drawing No.

ISSUED FOR CONSTRUCTION

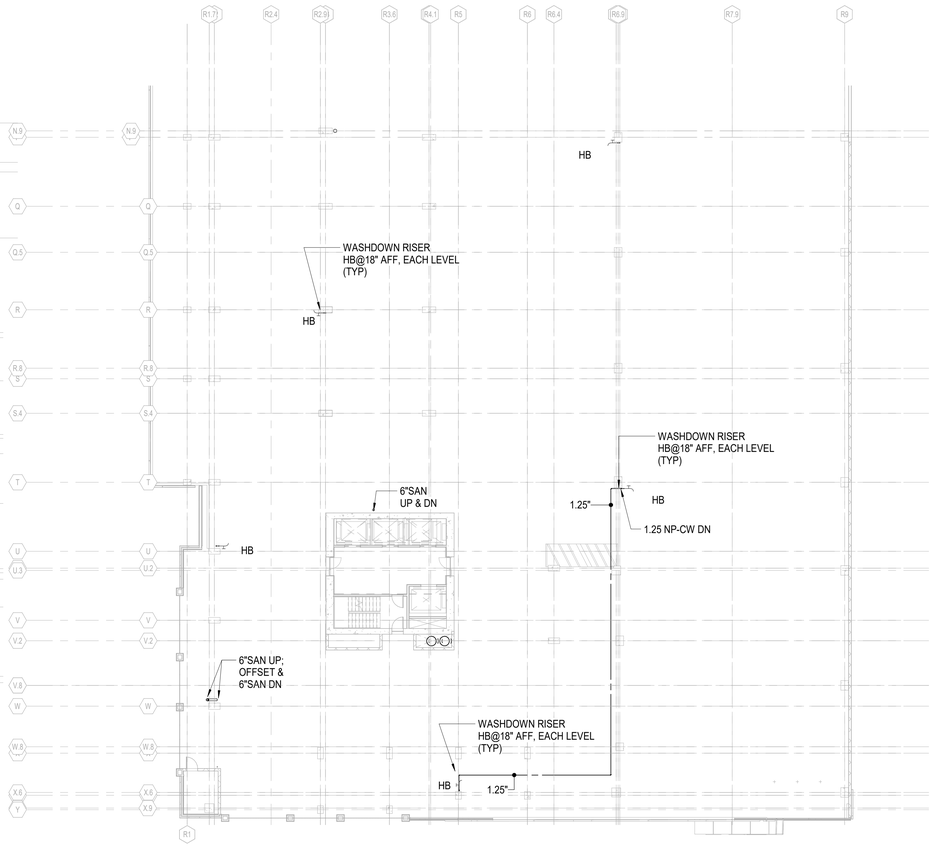
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PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.02P - PLUMBING FLOOR PLAN LEVEL P2-PARKING
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Residential Building_R19.rvt
3/21/2020 1:50:44 PM



1 PR2.03P PLUMBING FLOOR PLAN LEVEL P3 NORTH
SCALE: 1/16" = 1'-0"



2 PR2.03P PLUMBING FLOOR PLAN LEVEL P3 SOUTH
SCALE: 1/16" = 1'-0"

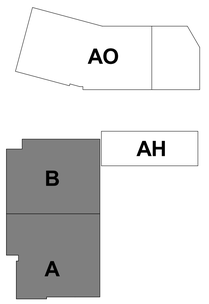
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T 404 730-8400
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N&B PROJECT:17N402

GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/6/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019
3	WOPR-001	03.31.2020



SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING FLOOR PLAN LEVEL P3-PARKING

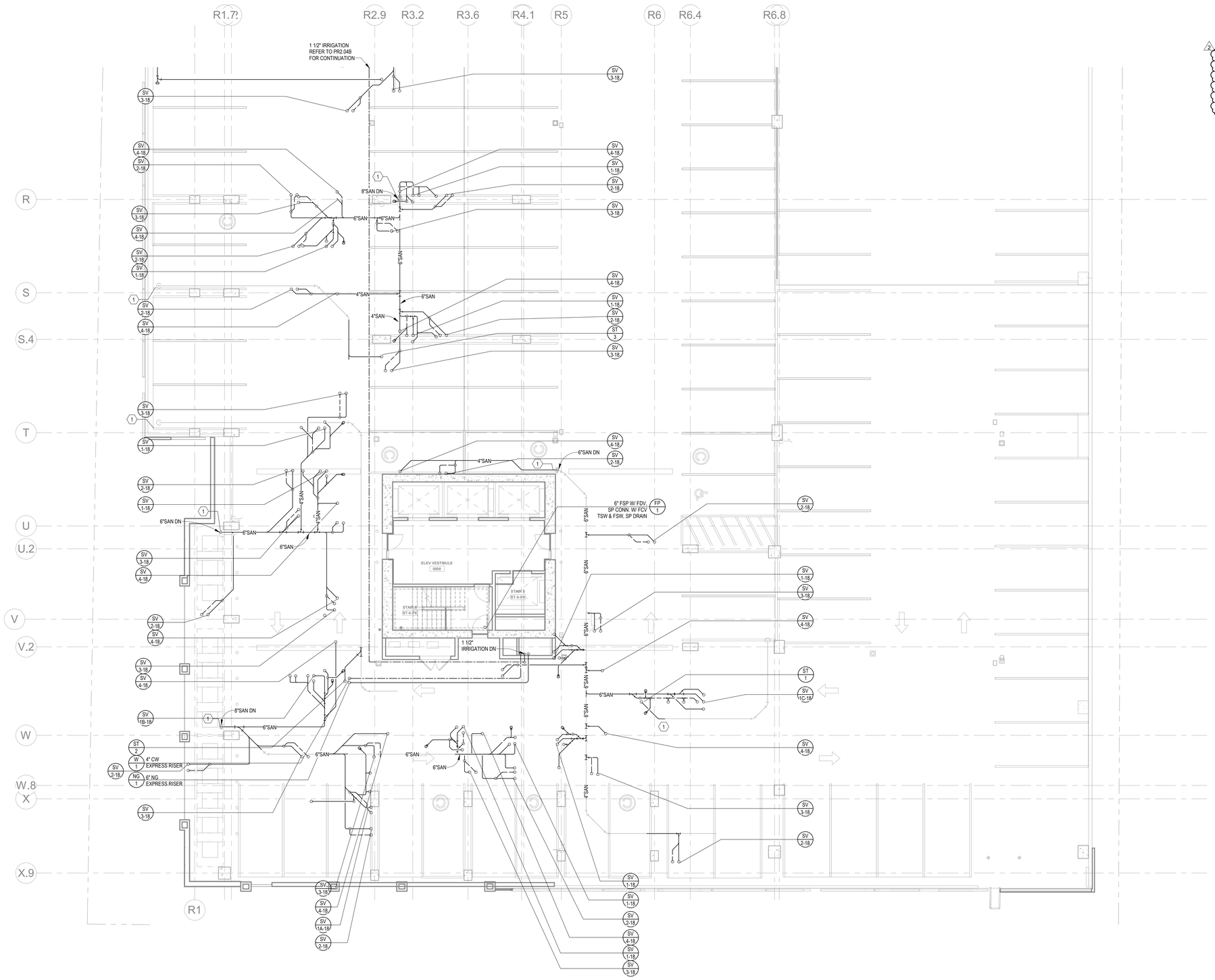
RZH Principal-in-Charge	20170324 Project No.
HPL Project Manager	12/04/19 Date
DMC Project Engineer	
DMC Staff Engineer	
	PR2.03P Drawing No.

ISSUED FOR CONSTRUCTION

N

4 8 16 32

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.03P - PLUMBING FLOOR PLAN LEVEL P3-PARKING
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Residential Building_R19.rvt
3/21/2020 1:50:49 PM



GENERAL NOTES:

1. ALL EXPOSED WATER PIPE MUST BE HEAT TRACED IN PARKING LOT AREA
2. ALL EXPOSED WASTE PTRAPS MUST BE HEAT TRACED IN PARKING LOT AREA
3. COORDINATE ALL HEAT TRACE PIPING WITH ELECTRICAL CONTRACTOR.
4. COORDINATE ALL CONDENSATE DRAIN LOCATIONS WITH MECHANICAL.
5. PROVIDE DELUGE SYSTEM IN PARKING GARAGE VESTIBULES.

KEY NOTES:

1. PIPING DROP LOCATION ON THIS LEVEL TO TRAVEL TO PARKING BUILDING BELOW, AND ARE SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO PARKING ENGINEERING DOCUMENTS FOR MAIN DRAINAGE DROP LOCATIONS AND ORIENTATIONS.

FLOOR PLAN - LEVEL 8 - SOUTH - PLUMBING

NORTH 1 — Scale: 1/8" = 1'-0" (0, 4, 8, 16)

2 SHOWING SOVENT/SANITARY AND STORM SYSTEMS TO COLLECT TO LOCATED SANITARY MAIN STACKS PROVIDED BY PARKING PACKAGE. SHOWING UNIT RISER TAGS

JSE
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Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER RONALD SHEFFIELD

3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL PERMIT SET	12.04.2019
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

FLOOR PLAN - LEVEL 8 - SOUTH - PLUMBING

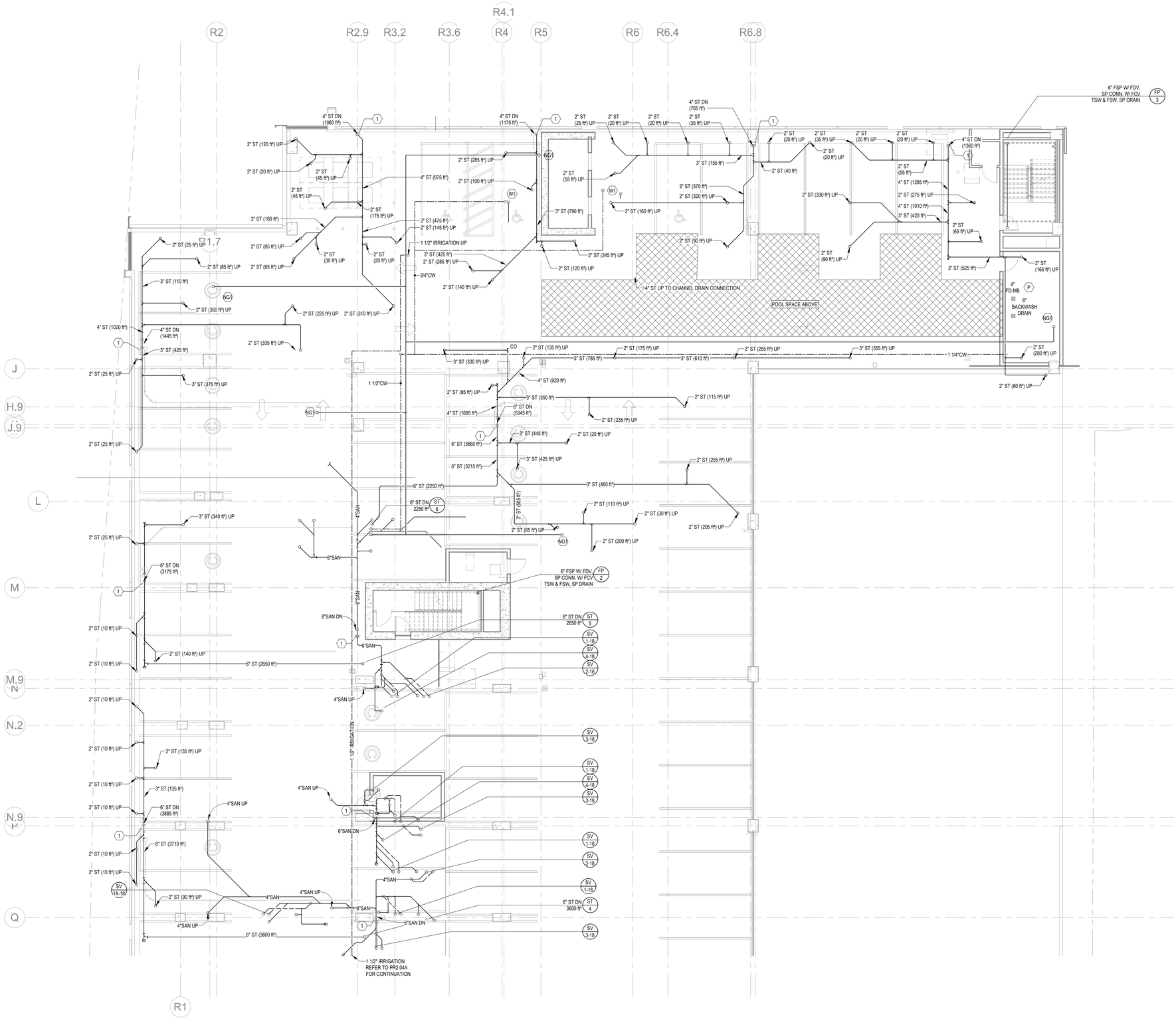
Designer	1910542
Principal-in-Charge	Project No.
Approver	11/06/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.04A

Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.04A - FLOOR PLAN - LEVEL 8 - SOUTH - PLUMBING
D:\Revit Projects\1910542 - Midtown Union Residential_R19 MEP Central_PatrickCo.rvt
3/31/2020 11:57:12 AM



GENERAL NOTES:

1. ALL EXPOSED WATER PIPE MUST BE HEAT TRACED IN PARKING LOT AREA
2. ALL EXPOSED WASTE PTRAPS MUST BE HEAT TRACED IN PARKING LOT AREA
3. COORDINATE ALL HEAT TRACE PIPING WITH ELECTRICAL CONTRACTOR.
4. COORDINATE ALL CONDENSATE DRAIN LOCATIONS WITH MECHANICAL.
5. PROVIDE DELUGE SYSTEM IN PARKING GARAGE VESTIBULES.

KEY NOTES:

NG GAS PIPING UP TO PROVISIONAL LOCATION OF GAS FIXTURE. REFER TO ARCHITECT FOR EXACT LOCATION AND ORIENTATION. PROVIDE 1/2" GAS PIPE W/SPRV (INLET PRESS. 2.0 PSI, OUTLET PRESS. 7" W. C.)

W1 WATER / WASTE PIPING UP TO PROVISIONAL LOCATION OF POOL SIDE FIXTURE. REFER TO ARCHITECT FOR EXACT LOCATION AND ORIENTATION.

P PROVIDE 6" HUB DRAIN FOR POOL BACKWASH, 4" FLOOR DRAIN, AND 1" CW SUPPLY W/ RPZ-BFP FOR POOL EQUIPMENT

ST STORM STACKS FOR AMENITY DECK DRAINAGE. REFER TO ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR EXACT LOCATION AND QUANTITY.

2 1 PIPING DROP LOCATION ON THIS LEVEL TO TRAVEL TO PARKING BUILDING BELOW, AND ARE SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO PARKING ENGINEERING DOCUMENTS FOR MAIN DRAINAGE DROP LOCATIONS AND ORIENTATIONS.

1 FLOOR PLAN - LEVEL 8 - NORTH - PLUMB

Scale: 1/8" = 1'-0"

0 4 8 16

2 SHOWING SOVENT/SANITARY AND STORM SYSTEMS TO COLLECT TO LOCATED SANITARY MAIN STACKS PROVIDED BY PARKING PACKAGE. SHOWING UNIT RISER TAGS. INDICATING DECK AND PLANTER DRAIN LAYOUT.

JSE
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Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	DESIGN DEVELOPMENT	08.30.2019
	RESIDENTIAL PERMIT SET	12.04.2019
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

FLOOR PLAN - LEVEL 8 - NORTH - PLUMBING

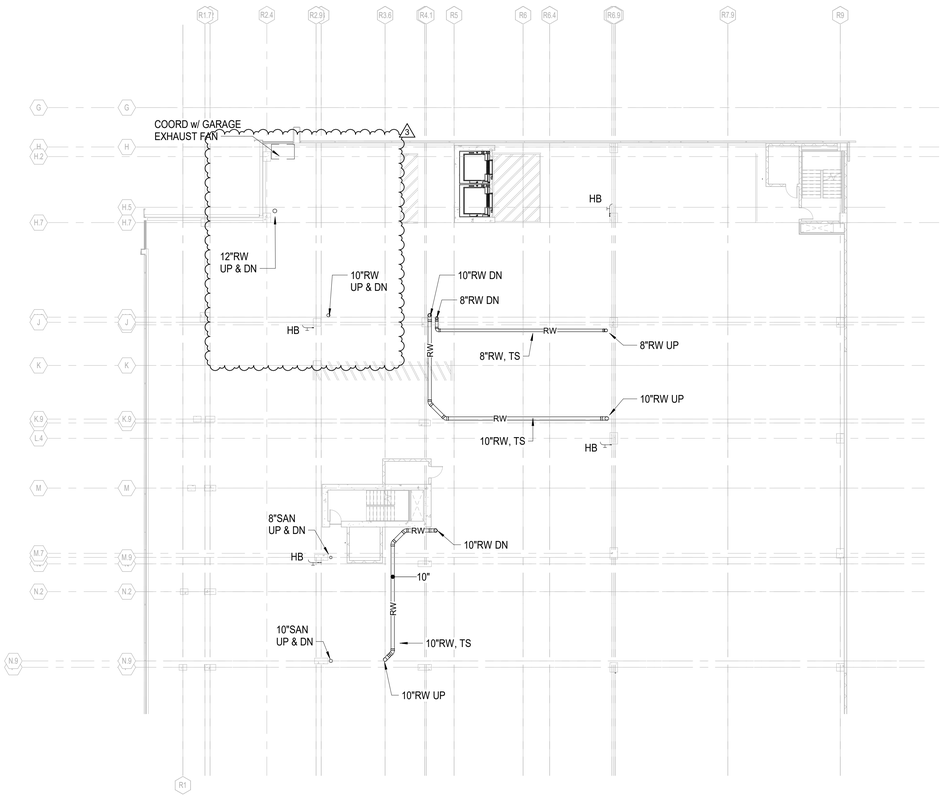
Designer	1910542
Principal-in-Charge	Project No.
Approver	07/26/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.04B

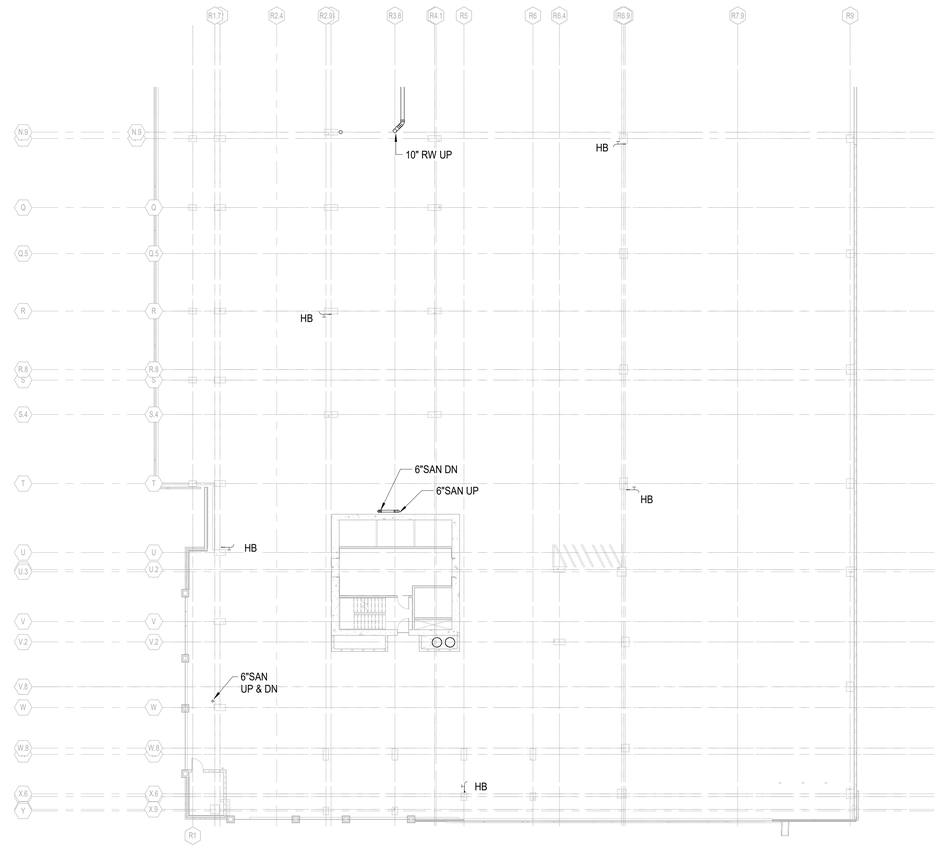
Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.04B - FLOOR PLAN - LEVEL 8 - NORTH - PLUMBING
D:\Revit Projects\1910542 - Midtown Union Residential_R19 MEP Central_PatrickCo.rvt
3/31/2020 11:57:21 AM



1 PR2.04P PLUMBING FLOOR PLAN LEVEL P4 NORTH
SCALE: 1/16" = 1'-0"



2 PR2.04P PLUMBING FLOOR PLAN LEVEL P4 SOUTH
SCALE: 1/16" = 1'-0"

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.04P - PLUMBING FLOOR PLAN LEVEL P4-PARKING
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Contact: Hugo P. Lastra
N&B PROJECT:17N402

GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019
3	WCPR-001	03.31.2020

AO

AH
B
A

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

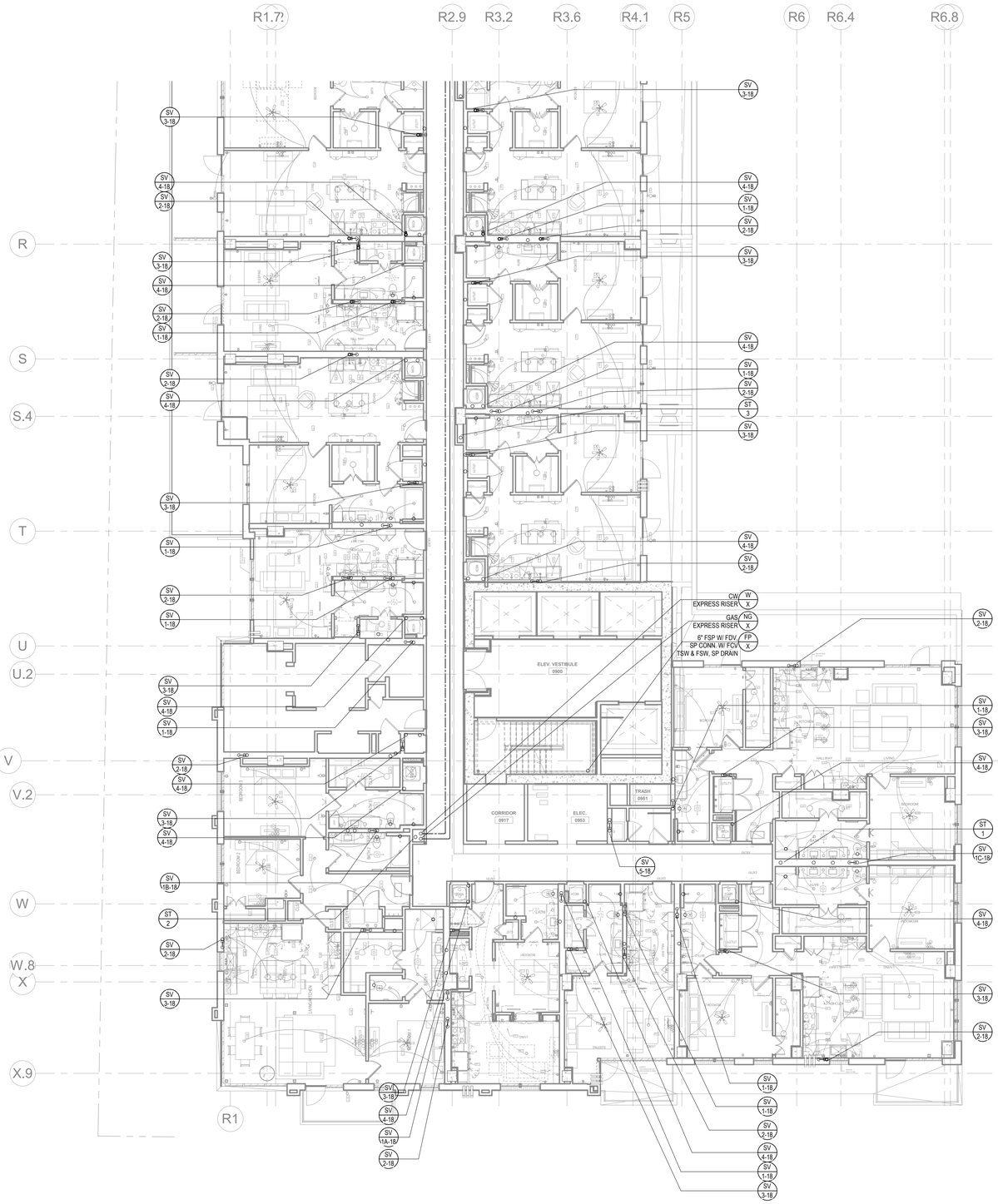
PLUMBING FLOOR PLAN LEVEL P4-PARKING

RZH Principal-in-Charge	20170324 Project No.
HPL Project Manager	12/04/19 Date
DMC Project Engineer	
DMC Staff Engineer	
	PR2.04P Drawing No.

ISSUED FOR CONSTRUCTION

4 8 16 32

N



FLOOR PLAN - LEVEL R9 - SOUTH - PLUMB

NORTH 1

Scale: 1/8" = 1'-0" 0 4 8 16

Jordan & Skala Engineers
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p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER RONALD SHEFFIELD

3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	DESIGN DEVELOPMENT	08.30.2019
	RESIDENTIAL PERMIT SET	12.04.2019

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

FLOOR PLAN - LEVEL R9 - SOUTH - PLUMBING

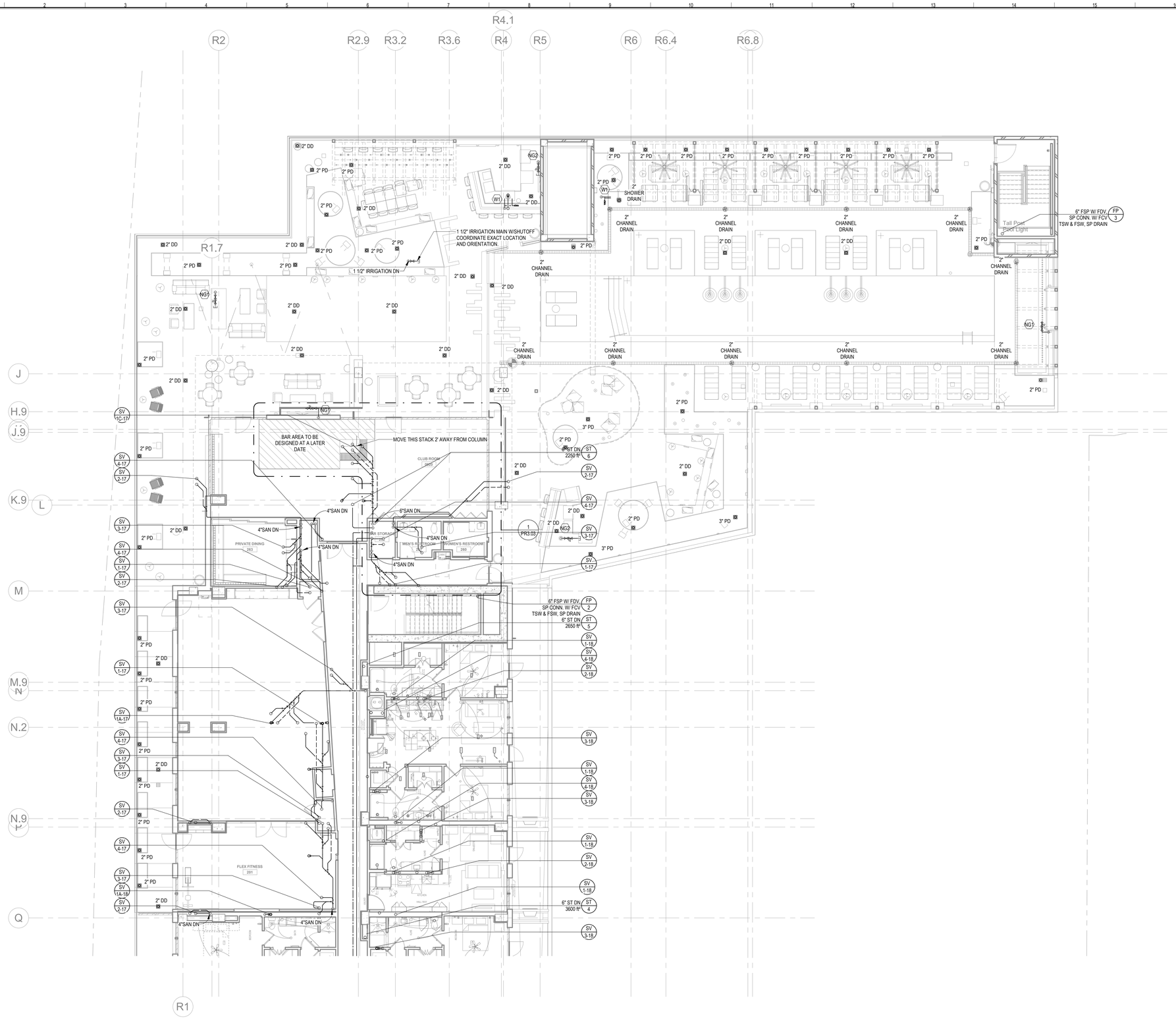
Designer	1910542
Principal-in-Charge	Project No.
Approver	08/23/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.05A

Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.05A - FLOOR PLAN - LEVEL R9 - SOUTH - PLUMBING
D:\Revit Projects\1910542 - Midtown Union Residential_R19 MEP Central_PatrickCo.rvt
3/31/2020 11:57:30 AM



GENERAL NOTES:

1. COORDINATE ALL CONDENSATE DRAIN LOCATIONS WITH MECHANICAL.
2. ALL UNITS ON R9 AMENITY TO HAVE GAS FIREPLACES LOCATED ON THE BALCONIES. PROVIDE 1/2" NG PIPE FROM METER TO FIREPLACE W/ REGULATOR.

KEY NOTES:

(NG1) PROVISIONAL LOCATION OF GAS FIREPLACE (150 CFH)
REFER TO ARCHITECT FOR EXACT LOCATION AND ORIENTATION.
PROVIDE 1/2" GAS PIPE W/GPRV
(INLET PRESS. 2.0 PSI, OUTLET PRESS. 7" W. C.)
GAS PIPING SUPPLIED FROM BELOW.

(NG2) PROVISIONAL LOCATION OF GAS GRILL (200 CFH)
REFER TO ARCHITECT FOR EXACT LOCATION AND ORIENTATION.
PROVIDE 1/2" GAS PIPE W/GPRV
(INLET PRESS. 2.0 PSI, OUTLET PRESS. 7" W. C.)
GAS PIPING SUPPLIED FROM BELOW.

(W1) PROVISIONAL LOCATION OF POOL SIDE FIXTURE.
REFER TO ARCHITECT FOR EXACT LOCATION AND ORIENTATION.
PROVIDE 1/2" CW AND INSTANTANEOUS WATER HEATER (IWH-1).
PROVIDE STUDOR VENT AT WASTE DROP LOCATION.
WATER PIPING SUPPLIED FROM BELOW.

(ST) AMENITY DECK DRAINAGE REFER TO ARCHITECUTRAL AND LANDSCAPE DRAWINGS FOR EXACT LOCATION AND QUANTITY.

FLOOR PLAN - LEVEL R9 - NORTH - PLUMB

NORTH 1

Scale: 1/8" = 1'-0"

0 4 8 16

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Project Number: 1910542
Drawn By: Author Checked By: Checker

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3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	DESIGN DEVELOPMENT	08.30.2019
	RESIDENTIAL PERMIT SET	12.04.2019

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

FLOOR PLAN - LEVEL R9 - NORTH - PLUMBING

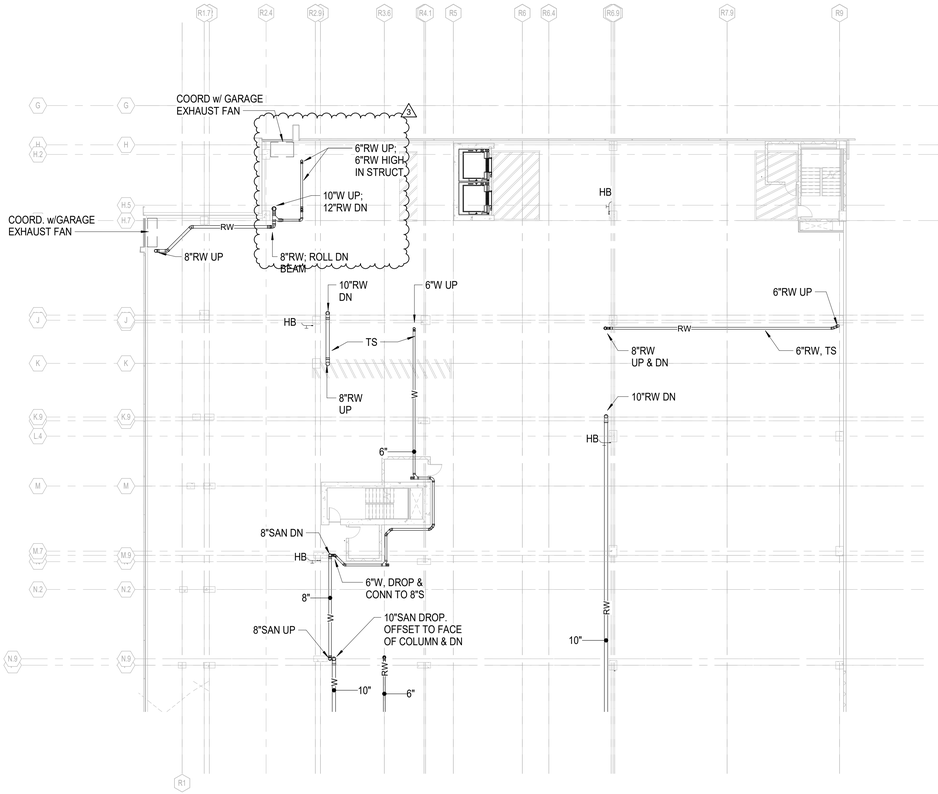
Designer	1910542
Principal-in-Charge	Project No.
Approver	07/26/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.05B

Drawing No.

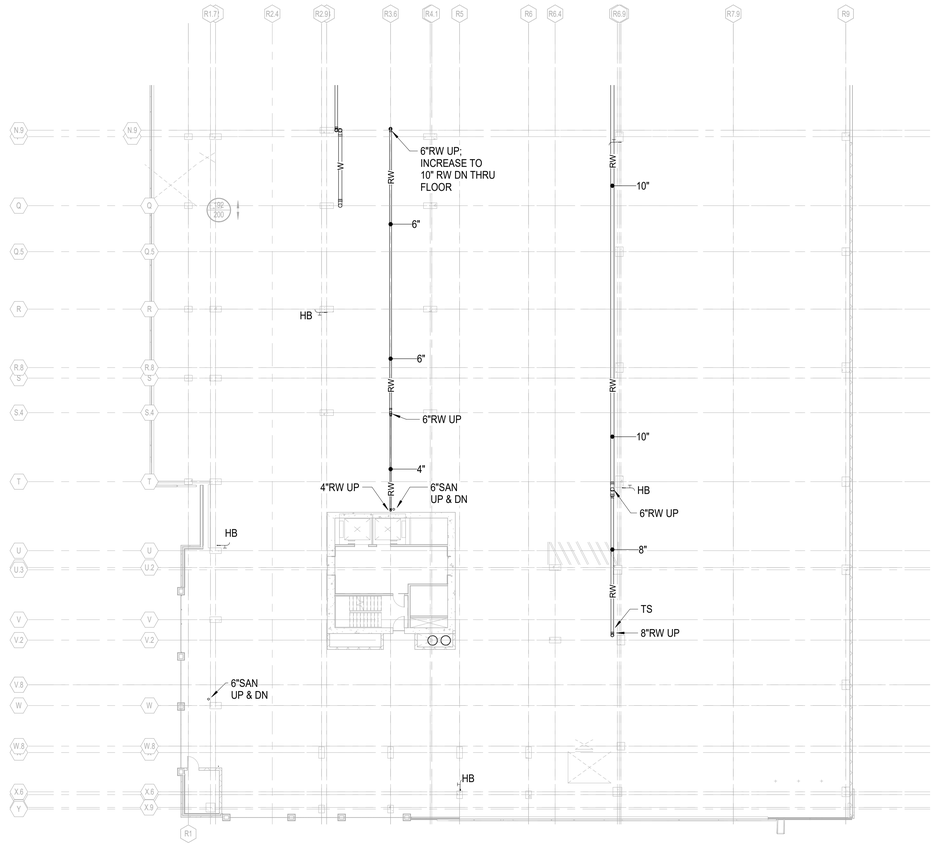
ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.05B - FLOOR PLAN - LEVEL R9 - NORTH - PLUMBING
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3/31/2020 11:57:39 AM



1 PR2.05P — PLUMBING FLOOR PLAN LEVEL P5 NORTH

SCALE: 1/16" = 1'-0"



2 PR2.05P — PLUMBING FLOOR PLAN LEVEL P5 SOUTH

SCALE: 1/16" = 1'-0"

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T 404 730-8400
Contact: Hugo P. Lastra
N&B PROJECT:17N402

GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019
3	WCPR-001	03.31.2020

AO

AH

B

A

SCOPE DOCUMENTS

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MIDTOWN UNION

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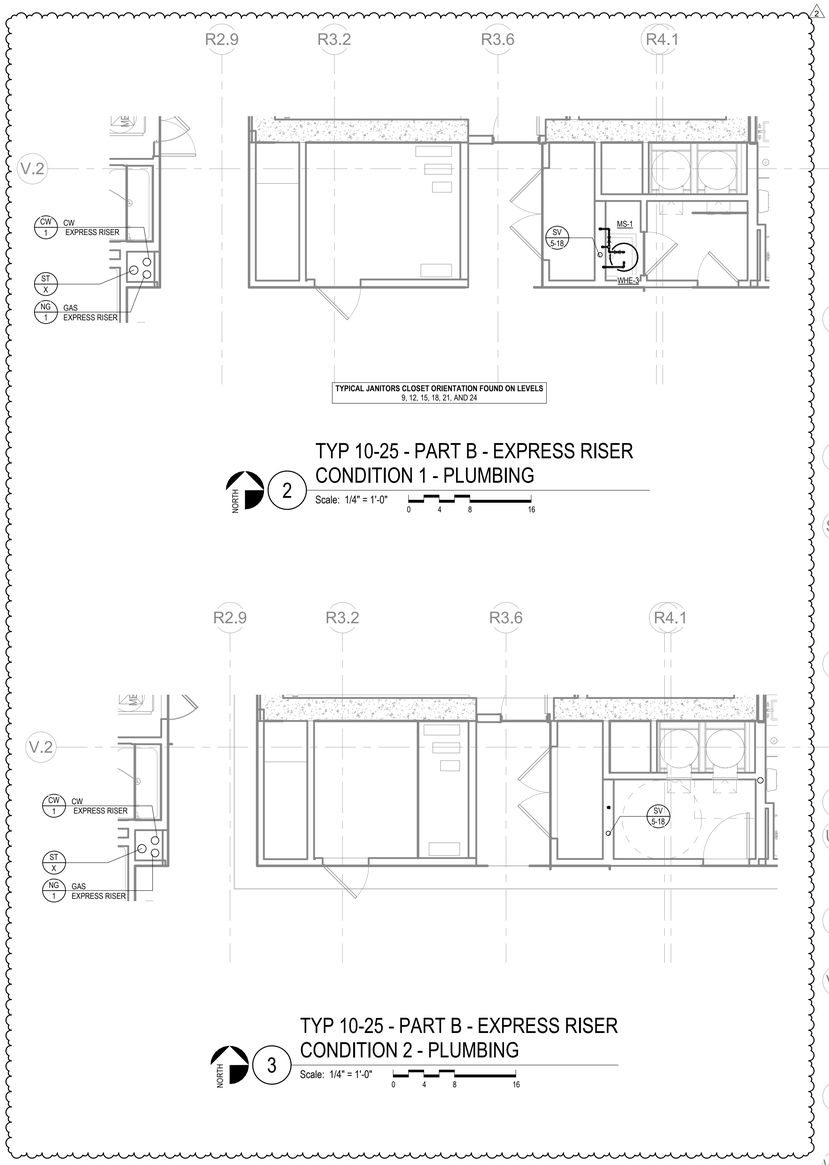
PLUMBING FLOOR PLAN LEVEL P5-PARKING

RZH Principal-in-Charge	20170324 Project No.
HPL Project Manager	12/04/19 Date
DMC Project Engineer	
DMC Staff Engineer	

PR2.05P
Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.05P - PLUMBING FLOOR PLAN LEVEL P5-PARKING
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3/21/2020 1:51:00 PM



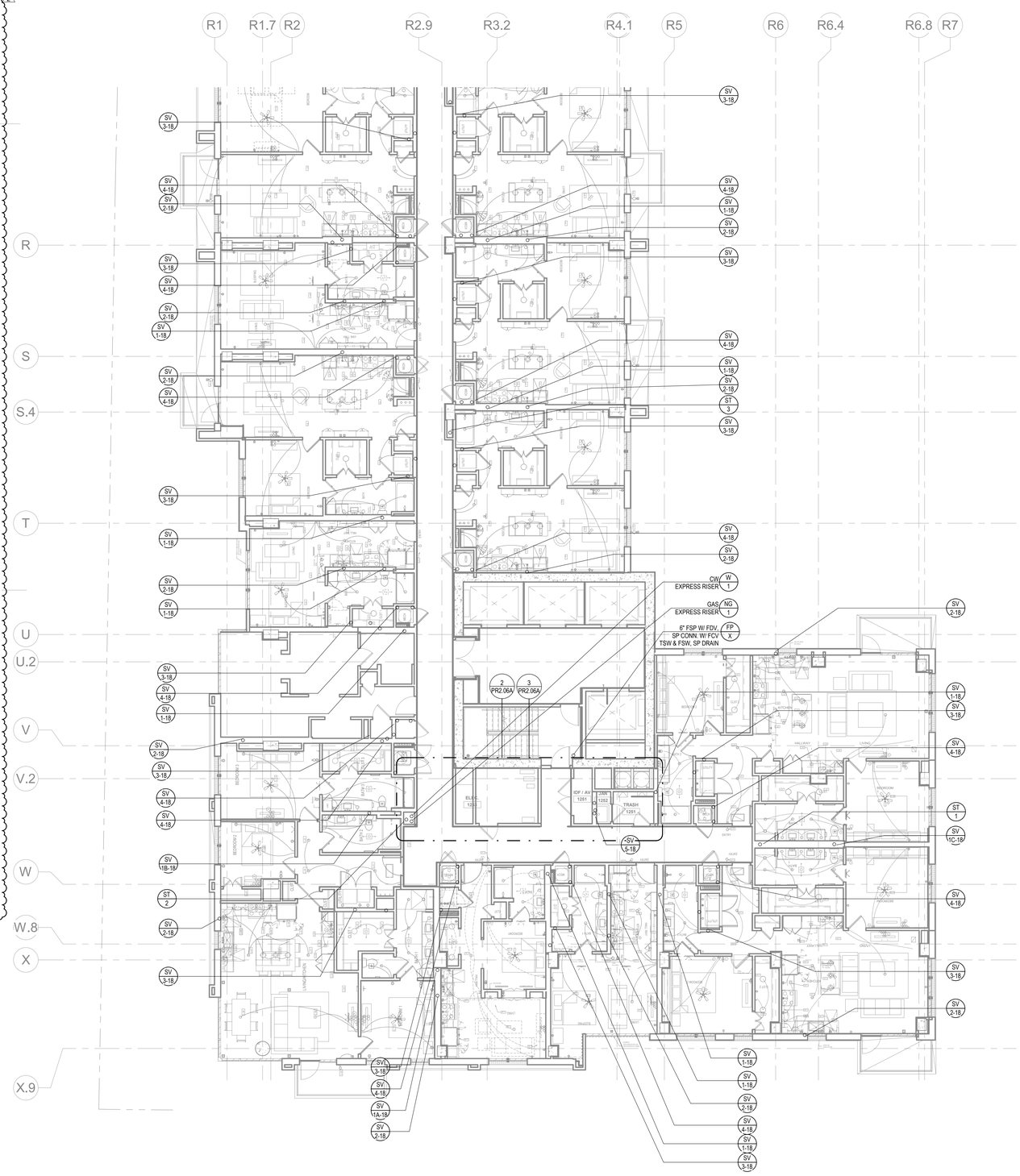
TYPICAL JANITORS CLOSET ORIENTATION FOUND ON LEVELS
9, 12, 15, 18, 21, AND 24

TYP 10-25 - PART B - EXPRESS RISER CONDITION 1 - PLUMBING

NORTH 2 Scale: 1/4" = 1'-0" (0 4 8 16)

TYP 10-25 - PART B - EXPRESS RISER CONDITION 2 - PLUMBING

NORTH 3 Scale: 1/4" = 1'-0" (0 4 8 16)



FLOOR PLAN - R10-R25 - SOUTH - PLUMB

NORTH 1 Scale: 1/8" = 1'-0" (0 4 8 16)

Jordan & Skala Engineers
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p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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ISSUANCES		
No.	Drawing Issue Description	Date
	DESIGN DEVELOPMENT	08.30.2019
	RESIDENTIAL PERMIT SET	12.04.2019
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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FLOOR PLAN - R10-R25 - SOUTH - PLUMBING

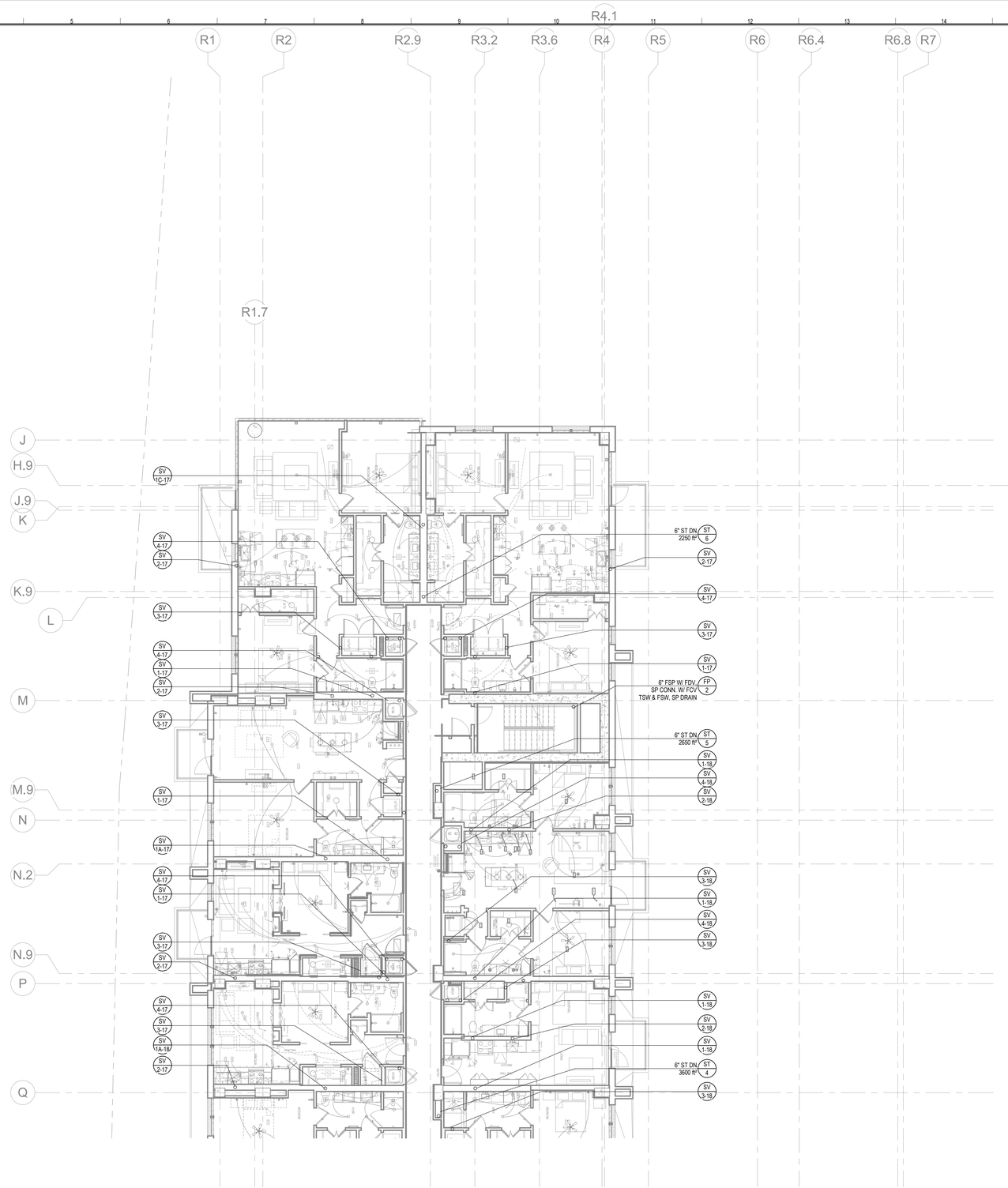
Designer	1910542
Principal-in-Charge	Project No.
Approver	08/21/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.06A

Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.06A - FLOOR PLAN - R10-R25 - SOUTH - PLUMBING
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3/31/2020 11:57:52 AM



NORTH

1 FLOOR PLAN - R10-R25 - NORTH - PLUMB

Scale: 1/8" = 1'-0"

0 4 8 16

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Project Number: 1910542
Drawn By: Author Checked By: Checker

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ISSUANCES		
No.	Drawing Issue Description	Date
	DESIGN DEVELOPMENT	08.30.2019
	RESIDENTIAL PERMIT SET	12.04.2019

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FLOOR PLAN - R10-R25 - NORTH - PLUMBING

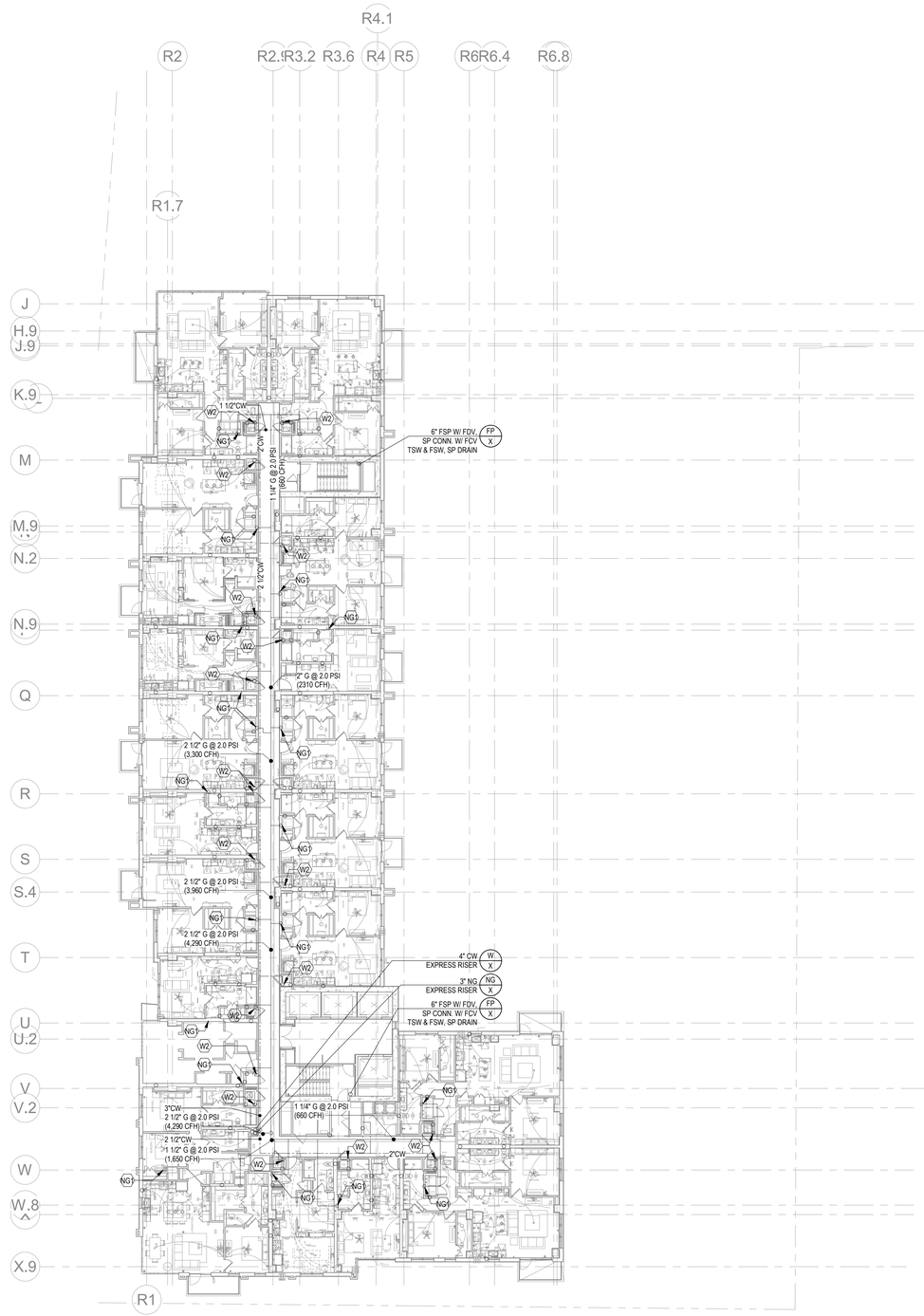
Designer	1910542
Principal-in-Charge	Project No.
Approver	08/21/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.06B

Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.06B - FLOOR PLAN - R10-R25 - NORTH - PLUMBING
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3/31/2020 11:58:00 AM



NORTH

1 P-LR14 TYP 14 & 20 - PLUMB

Scale: 1/16" = 1'-0"

0 4 8 16

GENERAL NOTES:

1. THIS OVERALL PLAN REPRESENTS THE DISTRIBUTION ROUTING FOR THE DOMESTIC WATER AND GAS SYSTEMS FOR ZONE 1 & 2 OF THE TOWER.
2. REFER TO SHEET PR2.06A AND PR2.06B IN REGARDS TO DRAINAGE DISTRIBUTION FOR THESE FLOORS.
3. REFER TO SHEET PR0.04 FOR SIZE AND ORIENTATION OF DOMESTIC WATER PIPING.
4. REFER TO SHEET PR0.05 FOR SIZE AND ORIENTATION OF GAS PIPING.

KEY NOTES:

(W2) CW DN TO SERVE UNITS BELOW (AT LEVELS 14, 20, AND 26 UNITS ONLY). REFER TO UNIT PLANS FOR EXACT RISER LOCATION IN UNIT. REFER TO RISER DIAGRAM FOR PIPE SIZES.

(NG1) NG DN TO GAS RISER REGULATOR AT LEVELS 14, 20, AND 26 UNITS ONLY) ABOVE CEILING. PROVIDE ACCESS PANEL MIN. 14" X 14", PANEL AND FINAL LOCATION BY ARCHITECT. REFER TO RISER DIAGRAM FOR PIPE SIZES.

(2) PIPE SIZES ON DISTRIBUTION MAIN FOR DOMESTIC WATER AND GAS

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Drawn By: Author Checked By: Checker

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3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	DESIGN DEVELOPMENT	08.30.2019
	RESIDENTIAL PERMIT SET	12.04.2019
2	WCPR-001	03.31.2020

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FLOOR PLAN - R14 & R20 - PLUMBING

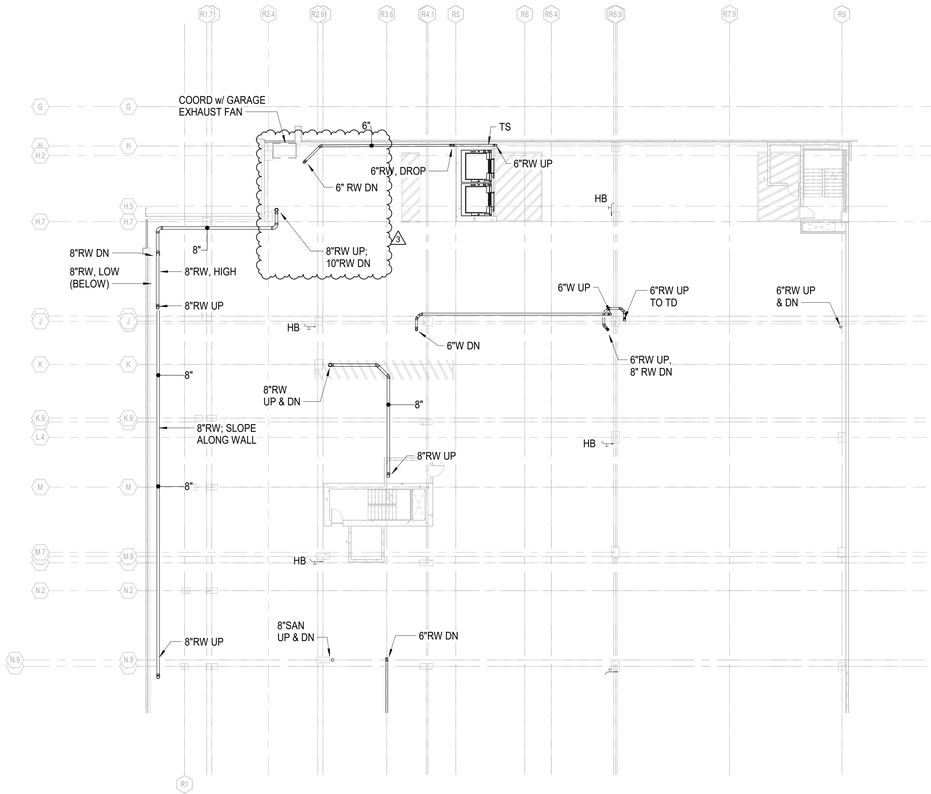
Designer	1910542
Principal-in-Charge	Project No.
Approver	07/26/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.06C

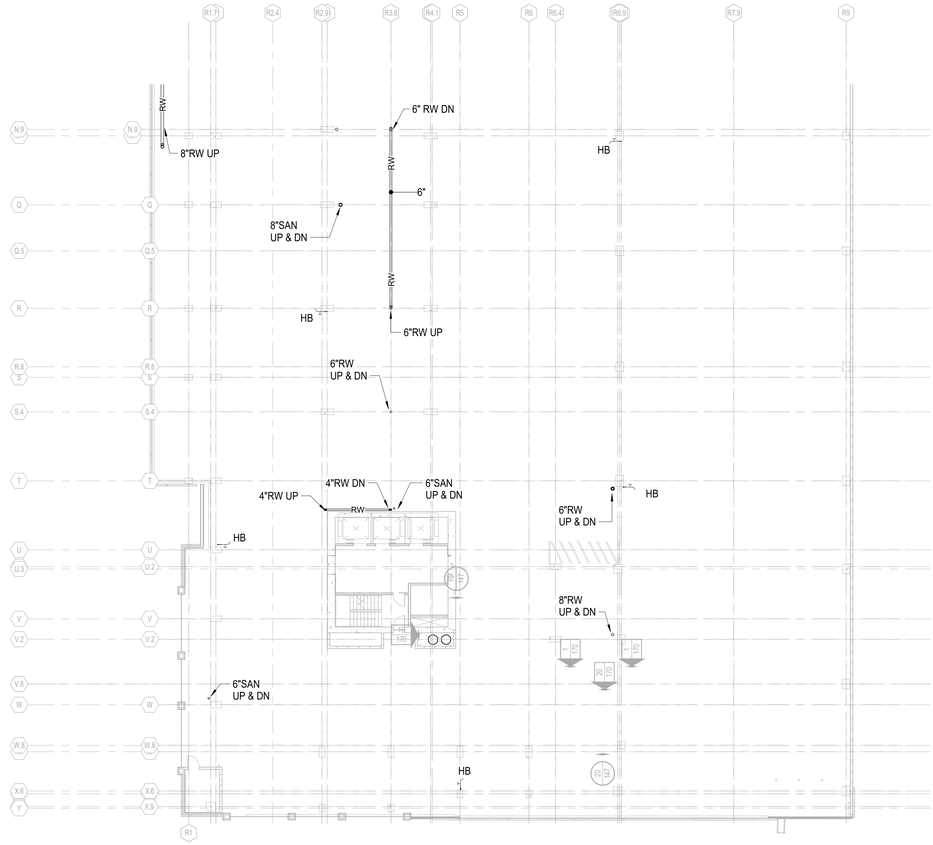
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ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.06C - FLOOR PLAN - R14 & R20 - PLUMBING
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3/31/2020 11:58:02 AM



1 PR2.06P — PLUMBING FLOOR PLAN LEVEL P6 NORTH
SCALE: 1/16" = 1'-0"



2 PR2.06P — PLUMBING FLOOR PLAN LEVEL P6 SOUTH
SCALE: 1/16" = 1'-0"

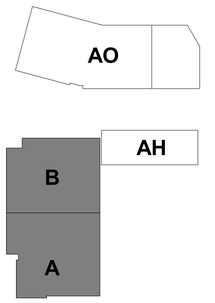
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N&B PROJECT:17N402

GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019
3	WCPR-001	03.31.2020



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PLUMBING FLOOR PLAN LEVEL P6-PARKING

RZH Principal-in-Charge	20170324 Project No.
HPL Project Manager	12/04/19 Date
DMC Project Engineer	
DMC Staff Engineer	

PR2.06P
Drawing No.

ISSUED FOR CONSTRUCTION

4 8 16 32

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PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.06P - PLUMBING FLOOR PLAN LEVEL P6-PARKING
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3/21/2020 1:51:06 PM

KEY NOTES:

ST1 6" ST/EST UP TO ROOF DRAIN

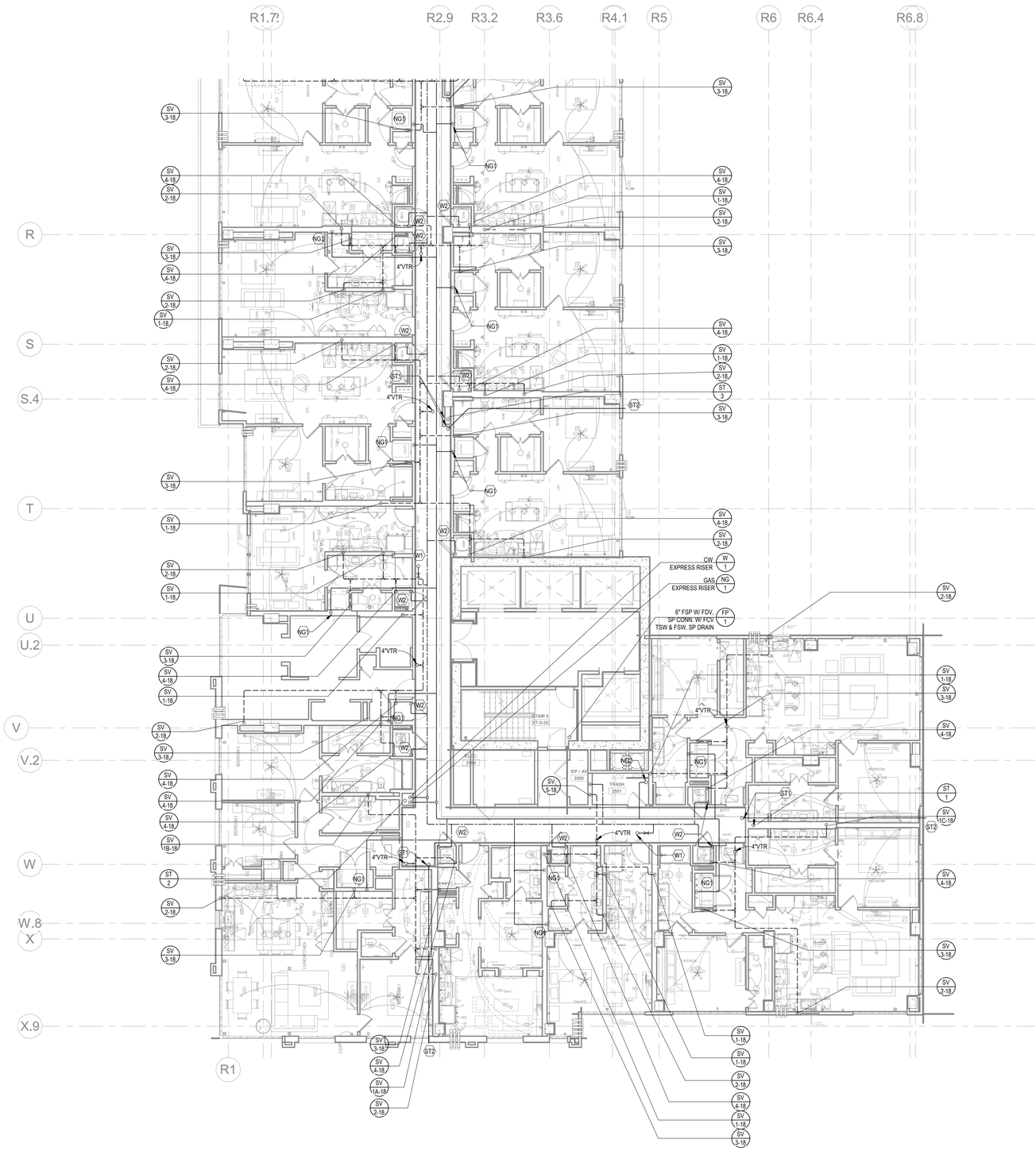
ST2 6" EST TO DOWNPOUT NOZZLE

W1 3/4" CW UP TO NON-FREEZE ROOF HYDRANT.
PROVIDE ACCESS PANEL WITH SHUT-OFF VALVE IN CEILING.

W2 CW DN TO SERVE UNITS BELOW (AT LEVELS 14, 20, AND 26 UNITS ONLY).
REFER TO UNIT PLANS FOR EXACT RISER LOCATION IN UNIT.
REFER TO RISER DIAGRAM FOR PIPE SIZES.

NG1 NG DN TO GAS RISER.
REGULATOR AT LEVELS 14, 20, AND 26 UNITS ONLY) ABOVE CEILING.
PROVIDE ACCESS PANEL MIN. 14" X 14", PANEL AND FINAL LOCATION BY ARCHITECT. REFER TO RISER DIAGRAM FOR PIPE SIZES.

NG2 NG UP TO ROOF.



FLOOR PLAN - LEVEL R26 - SOUTH - PLUMB

NORTH 1 Scale: 1/8" = 1'-0" (0, 4, 8, 16)

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p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	DESIGN DEVELOPMENT	08.30.2019
	RESIDENTIAL PERMIT SET	12.04.2019

SCOPE DOCUMENTS

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MIDTOWN UNION

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METLIFE/STREETLIGHTS RESIDENTIAL

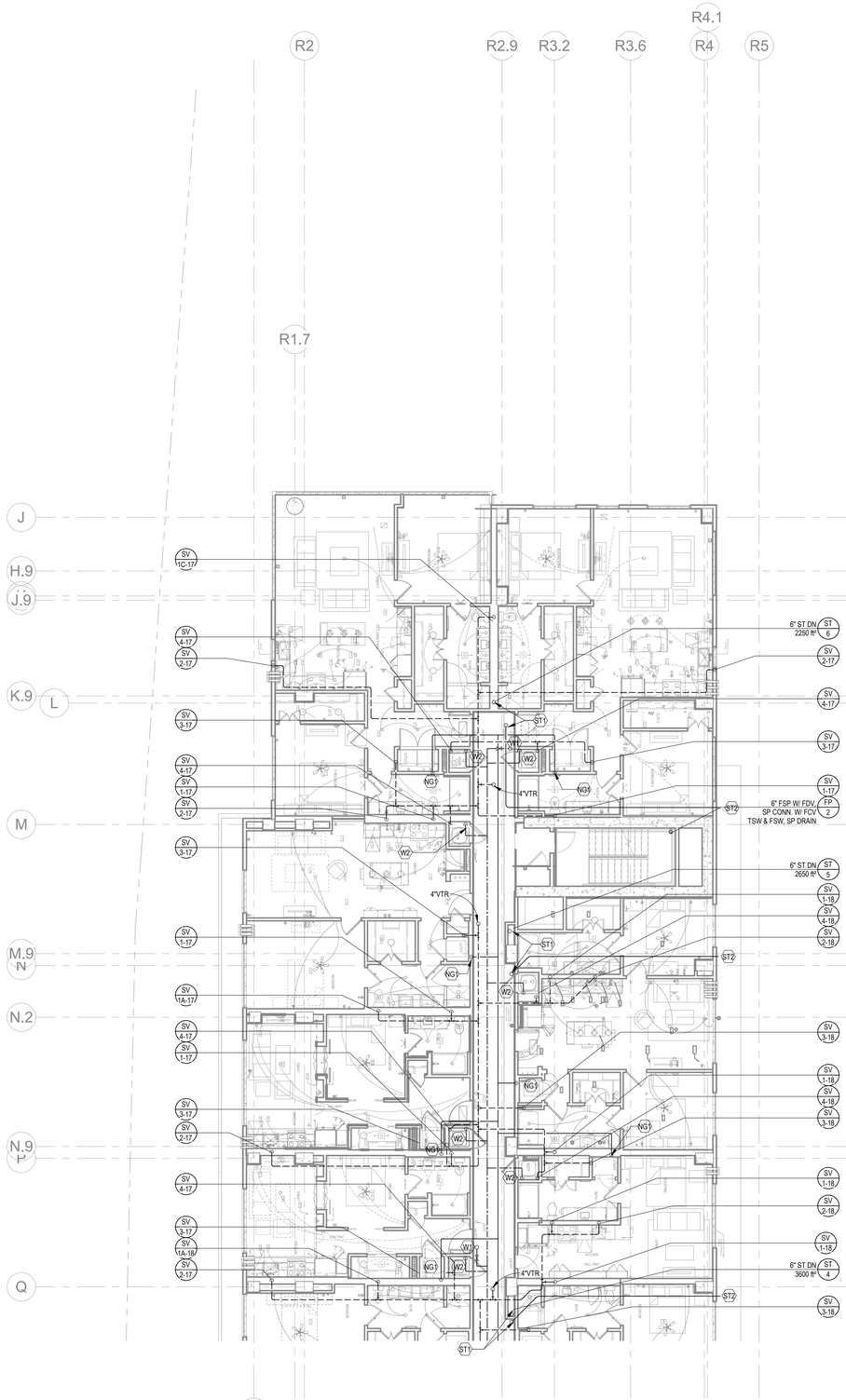
FLOOR PLAN - LEVEL R26 - SOUTH - PLUMBING

Designer	1910542
Principal-in-Charge	Project No.
Approver	08/23/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.07A
Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.07A - FLOOR PLAN - LEVEL R26 - SOUTH - PLUMBING
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3/31/2020 11:58:05 AM



KEY NOTES:

- (ST1) 6" ST/EST UP TO ROOF DRAIN
- (ST2) 6" EST TO DOWNPOUT NOZZLE
- (W1) 3/4" CW UP TO NON-FREEZE ROOF HYDRANT. PROVIDE ACCESS PANEL WITH SHUT-OFF VALVE IN CEILING.
- (W2) CW DN TO SERVE UNITS BELOW (AT LEVELS 14, 20, AND 26 UNITS ONLY). REFER TO UNIT PLANS FOR EXACT RISER LOCATION IN UNIT. REFER TO RISER DIAGRAM FOR PIPE SIZES.
- (NG1) NG DN TO GAS RISER. REGULATOR AT LEVELS 14, 20, AND 26 UNITS ONLY) ABOVE CEILING. PROVIDE ACCESS PANEL MIN. 14" X 14", PANEL AND FINAL LOCATION BY ARCHITECT. REFER TO RISER DIAGRAM FOR PIPE SIZES.
- (NG2) NG UP TO ROOF.

FLOOR PLAN - LEVEL R26 - NORTH - PLUMB

NORTH 1

Scale: 1/8" = 1'-0"

0 4 8 16

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Project Number: 1910542
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3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	DESIGN DEVELOPMENT	08.30.2019
	RESIDENTIAL PERMIT SET	12.04.2019

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METLIFE/STREETLIGHTS RESIDENTIAL

FLOOR PLAN - LEVEL R26 - NORTH - PLUMBING

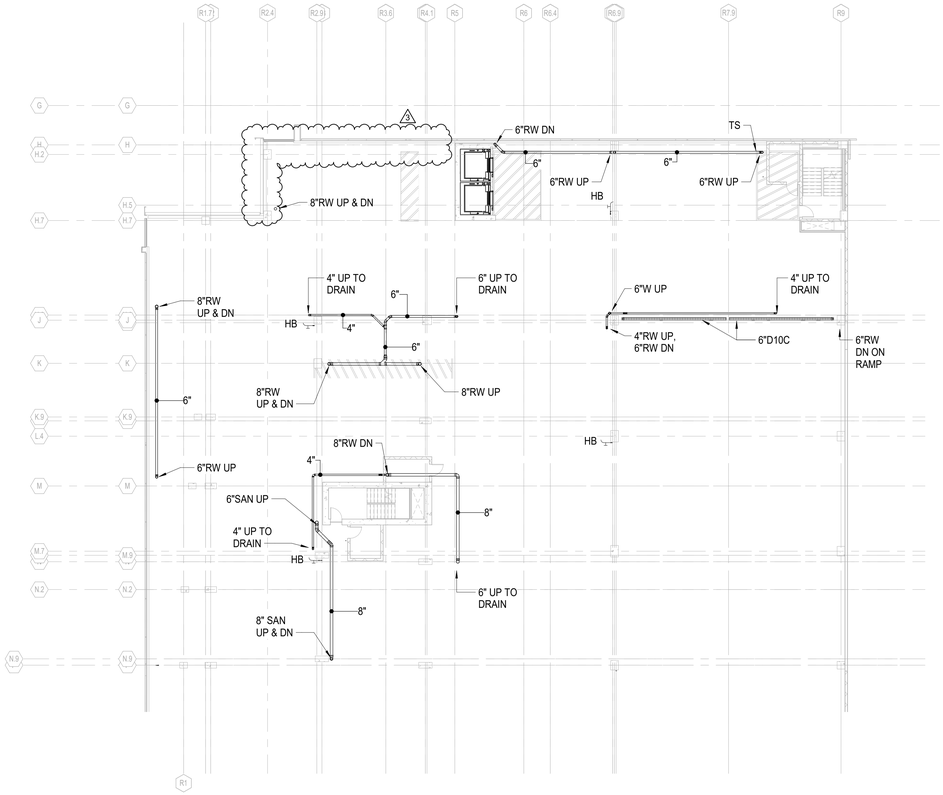
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Principal-in-Charge	Project No.
Approver	07/26/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.07B

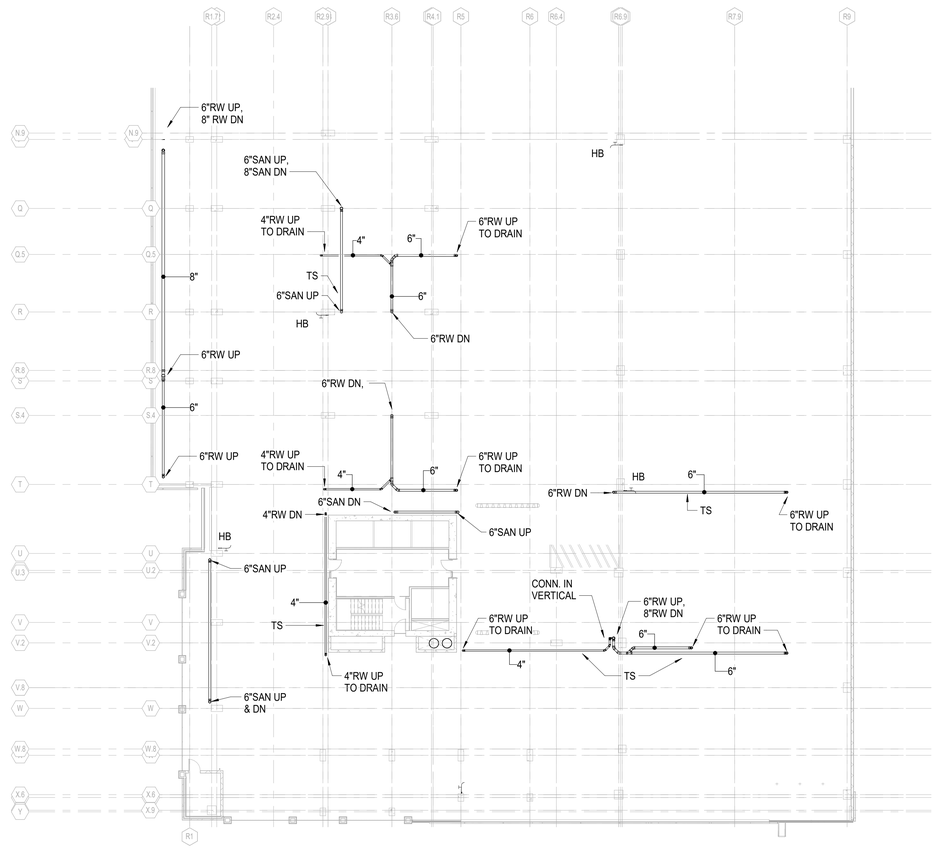
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SHEET NUMBER: PR2.07B - FLOOR PLAN - LEVEL R26 - NORTH - PLUMBING
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3/31/2020 11:58:06 AM



1 PR2.07P PLUMBING FLOOR PLAN LEVEL P7 NORTH
SCALE: 1/16" = 1'-0"



2 PR2.07P PLUMBING FLOOR PLAN LEVEL P7 SOUTH
SCALE: 1/16" = 1'-0"

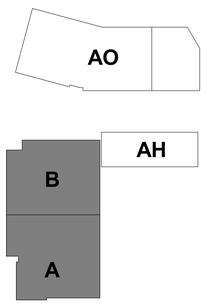
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Consulting Engineering Group
303 Peachtree Center Avenue, NE
Suite 525
Atlanta, Georgia 30303-1277
T 404 730-8400
Contact: Hugo P. Lastra
N&B PROJECT:17N402

GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019
3	WCPR-001	03.31.2020



SCOPE DOCUMENTS

The documents issued indicate the general scope of the Project. The Construction Manager is responsible for complete and coordinated pricing and execution of the Work, and shall include items necessary for the proper execution and completion of the Work, as shown, specified, reasonably inferred or required for a complete Project. For Work of delegated designs; systems, assemblies, components and materials shall comply with national, state and local code requirements. The Construction Manager shall inform the Owner and Architect, in timely fashion, of any discovered omissions, inconsistencies or errors in the Contract Documents.

MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING FLOOR PLAN LEVEL P7-PARKING

RZH Principal-in-Charge	20170324 Project No.
HPL Project Manager	12/04/19 Date
DMC Project Engineer	
DMC Staff Engineer	

PR2.07P
Drawing No.

ISSUED FOR CONSTRUCTION

4 8 16 32

N

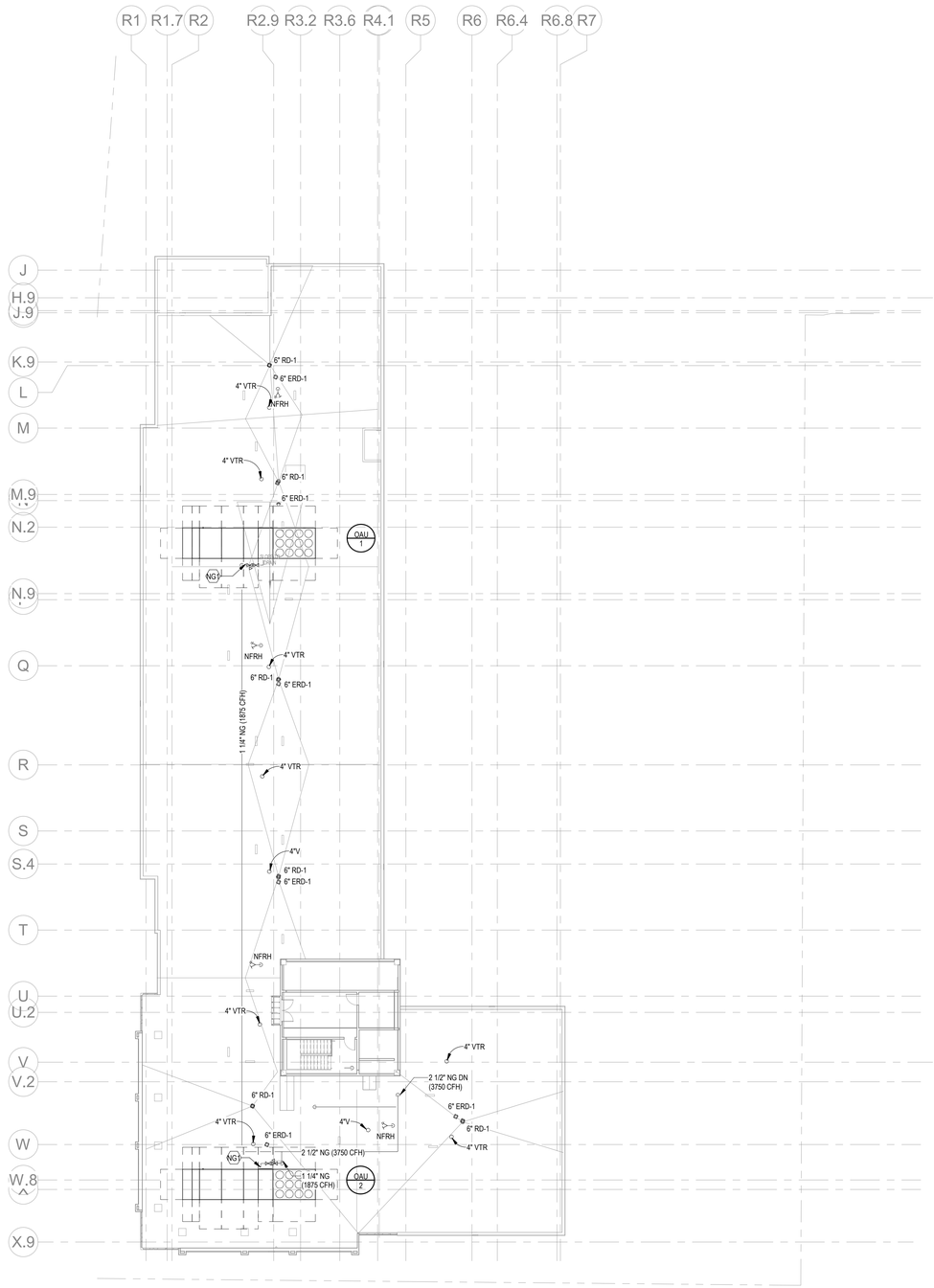
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SHEET NUMBER: PR2.07P - PLUMBING FLOOR PLAN LEVEL P7-PARKING
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Residential Building_R19.rvt
3/21/2020 1:51:12 PM

GENERAL NOTES:

1. XXXXXX

KEY NOTES:

(NG1) GAS REGULATOR WITH FLOW THE INDICATED 1,875 CFH @ 7" W.C. PROVIDE LOW PRESSURE CONNECTION TO EACH OUTSIDE AIR UNIT.



NORTH

1 FLOOR PLAN - ROOF - PLUMB

Scale: 1/16" = 1'-0"

0 4 8 16

Jordan & Skala Engineers
4275 Shackleford Rd., ● Suite 200
Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER RONALD SHEFFIELD

3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	DESIGN DEVELOPMENT	08.30.2019
	RESIDENTIAL PERMIT SET	12.04.2019

SCOPE DOCUMENTS

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MIDTOWN UNION

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METLIFE/STREETLIGHTS RESIDENTIAL

FLOOR PLAN - ROOF - PLUMBING

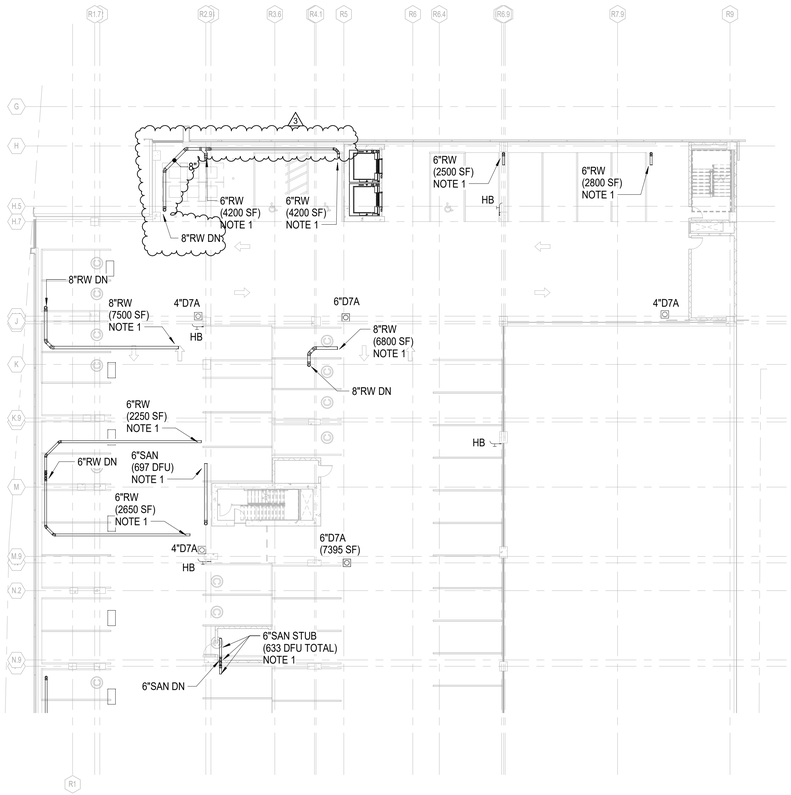
Designer	1910542
Principal-in-Charge	Project No.
Approver	07/26/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR2.08

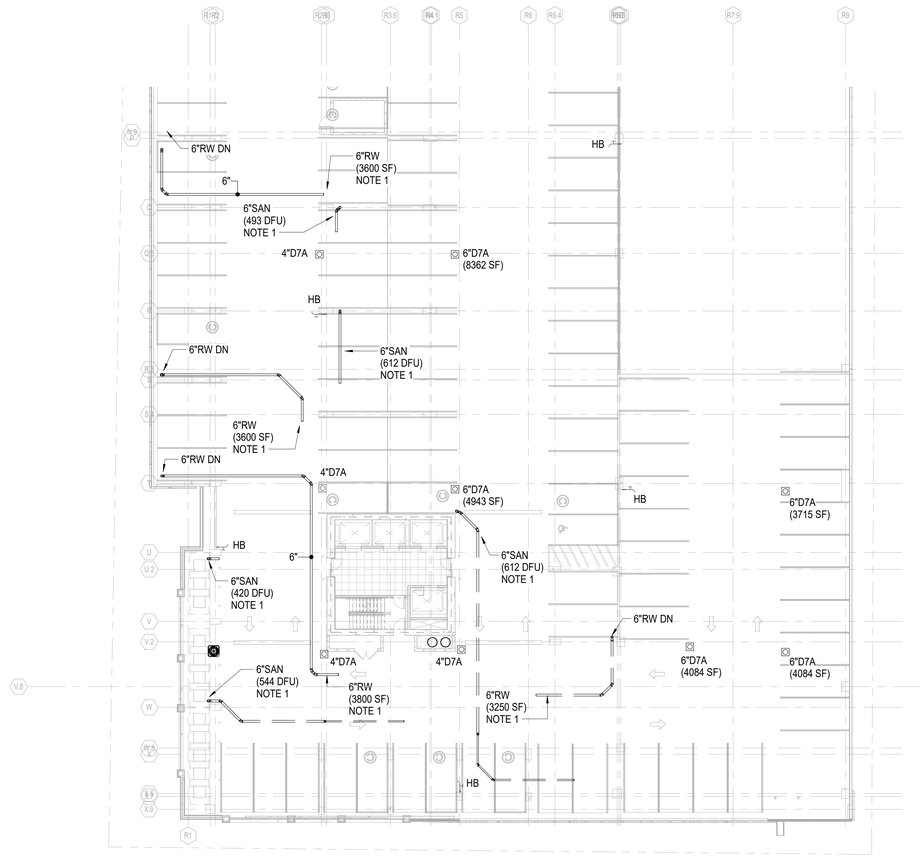
Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.08 - FLOOR PLAN - ROOF - PLUMBING
D:\Revit Projects\1910542 - Midtown Union Residential_R19 MEP Central_PatrickCo.rvt
3/31/2020 11:58:07 AM



2 PR2.08P PLUMBING FLOOR PLAN LEVEL P8 NORTH
SCALE: 1/16" = 1'-0"



1 PR2.08P PLUMBING FLOOR PLAN LEVEL P8 SOUTH
SCALE: 1/16" = 1'-0"

NOTES (THIS SHEET ONLY)

1. PIPING STUBS SHOWN ON THIS LEVEL SERVE RESIDENTIAL BUILDING ABOVE, AND ARE SHOWN FOR COORDINATION PURPOSES ONLY. SEE RESIDENTIAL ENGINEERING DOCUMENTS FOR LOCAL BUILDING DRAINAGE PIPING IN THESE AREAS.
2. MAINTAIN CLEAR HEADROOM IN DRIVE AISLES AND WALKWAYS AND EXIT PATHS AT 7'AFF MINIMUM.
3. HORIZONTAL PIPING LOCATED AT ENDS OF PARKING STALLS SHALL BE MINIMUM 5' AFF.

4 8 16 32

N

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N&B PROJECT:17N402

GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019
3	WCPR-001	03.31.2020

AO

AH

B

A

SCOPE DOCUMENTS

The documents issued indicate the general scope of the Project. The Construction Manager is responsible for complete and coordinated pricing and execution of the Work, and shall include items necessary for the proper execution and completion of the Work, as shown, specified, reasonably inferred or required for a complete Project. For Work of delegated designs; systems, assemblies, components and materials shall comply with national, state and local code requirements. The Construction Manager shall inform the Owner and Architect, in timely fashion, of any discovered omissions, inconsistencies or errors in the Contract Documents.

MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

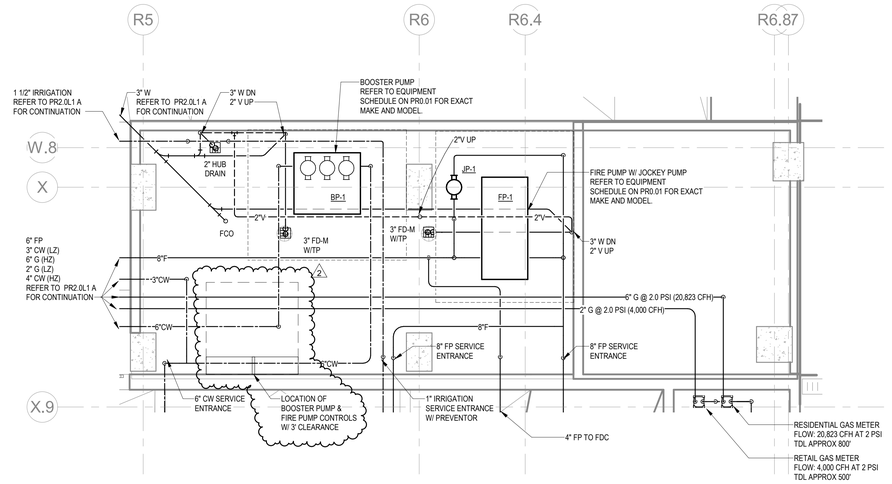
PLUMBING FLOOR PLAN LEVEL P8-PARKING

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
DMC	
Staff Engineer	

PR2.08P
Drawing No.

ISSUED FOR CONSTRUCTION

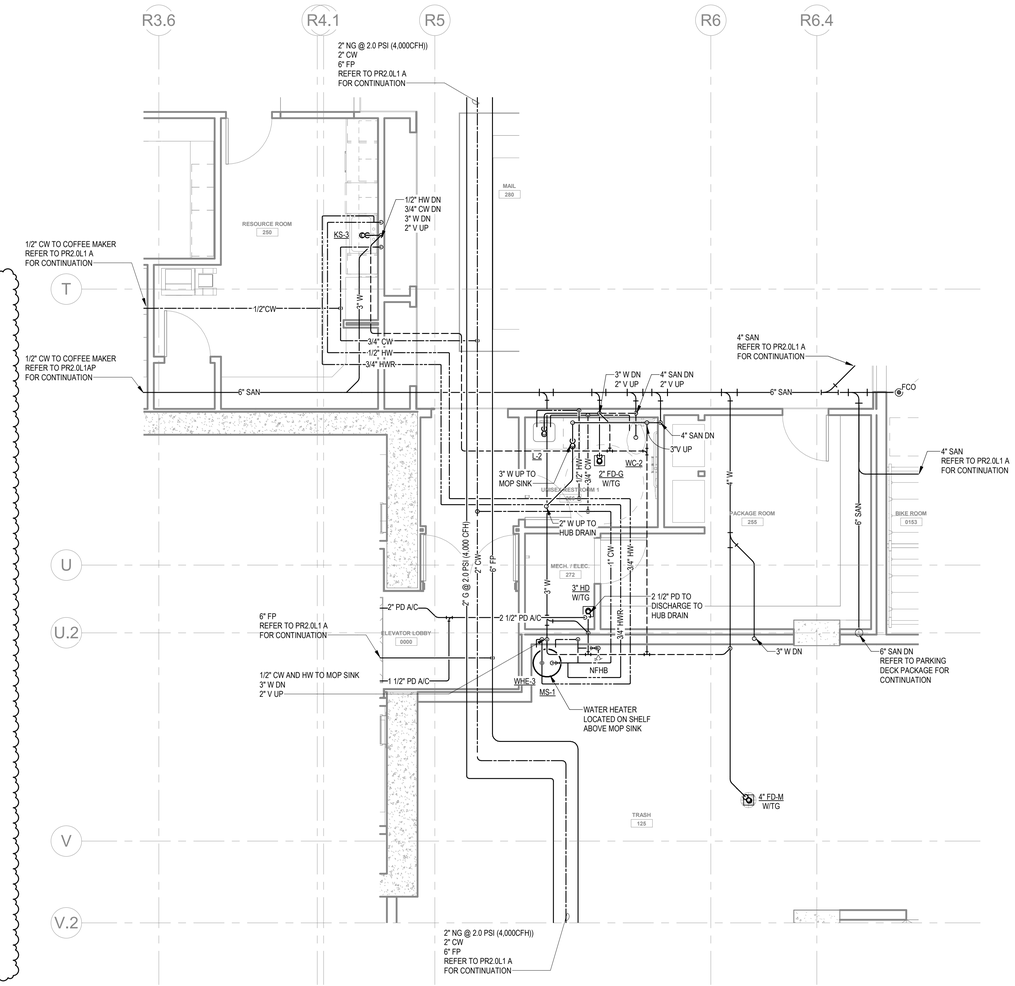
PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR2.08P - PLUMBING FLOOR PLAN LEVEL P8-PARKING
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3/21/2020 1:51:18 PM

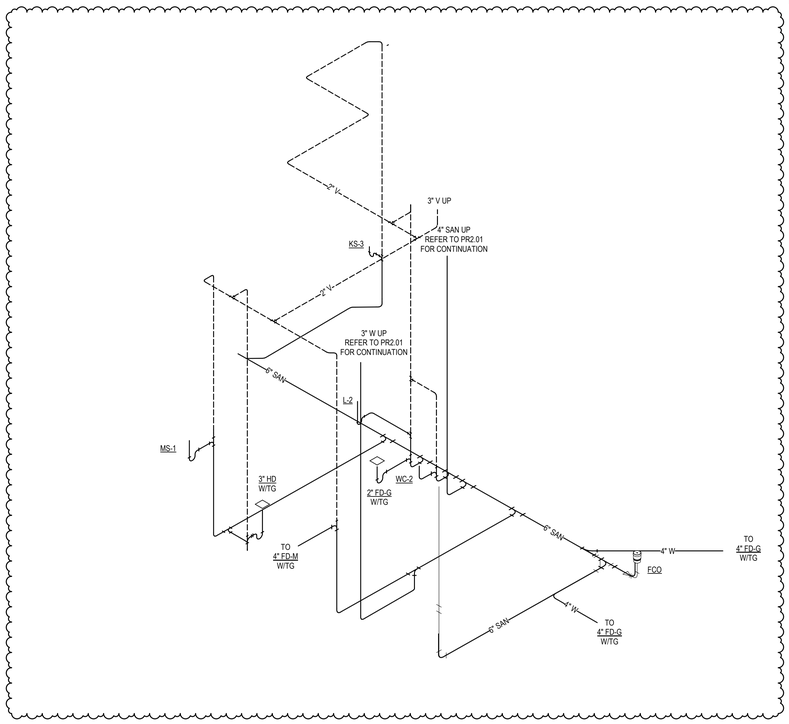


ENLARGED PLAN - PUMP ROOM - L1 LOBBY - PART B - PLUMBING

NORTH 1 Scale: 1/4" = 1'-0"

0 4 8 16





ISOMETRIC - RESOURCE ROOM / RESTROOM - L1 LOBBY - PART B - PLUMBING

3 Scale:

ENLARGED PLAN - RESOURCE ROOM / RESTROOM - L1 LOBBY - PART B - PLUMBING

NORTH 2 Scale: 1/4" = 1'-0"

0 4 8 16

GENERAL ANNOTATIONS AND PIPE SIZES

Jordan & Skala Engineers
4275 Shackleford Rd., ● Suite 200
Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER DONALD SHEFFIELD

3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL PERMIT SET	12.04.2019
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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ENLARGED PLAN - PLUMBING

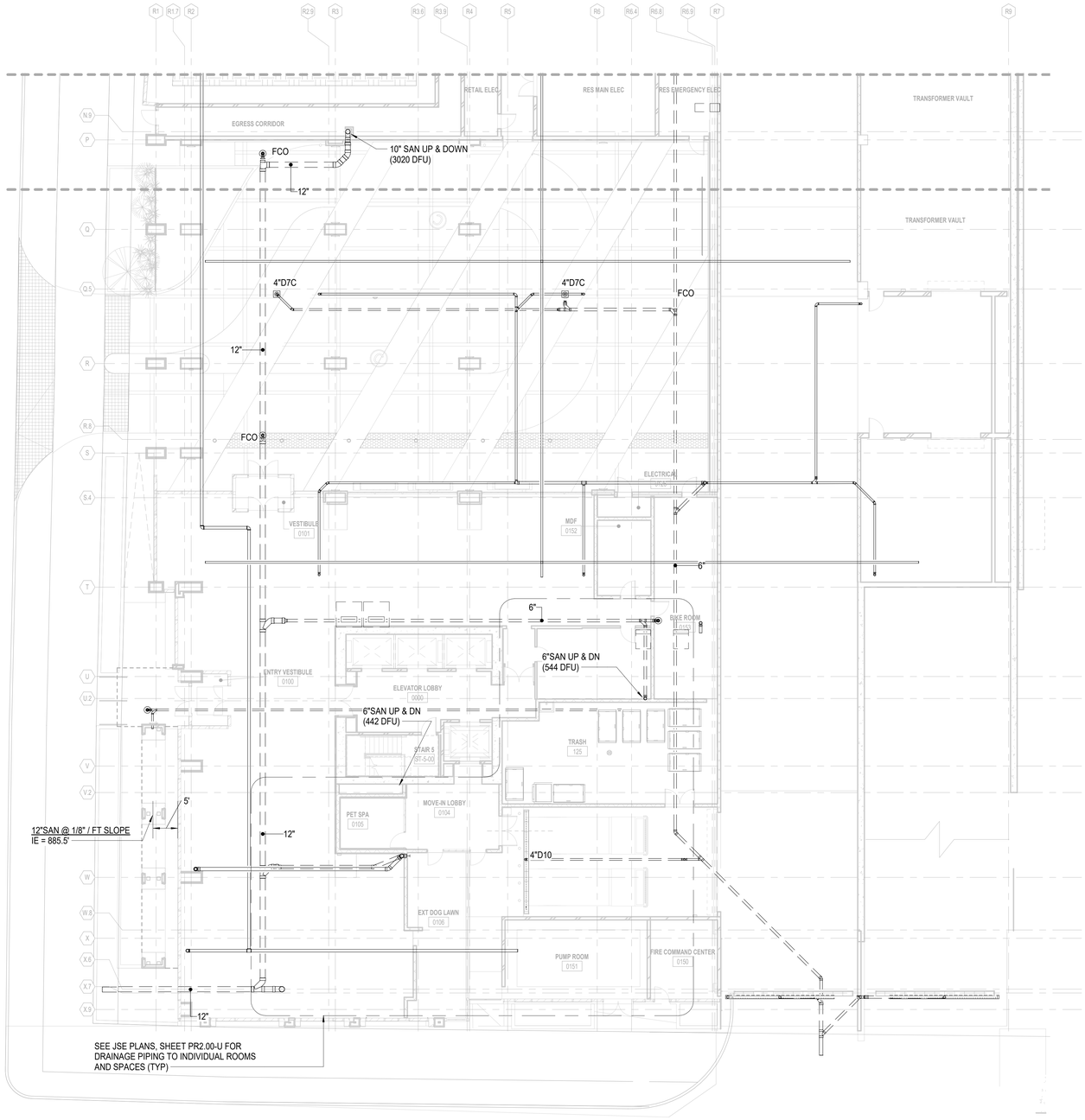
Designer	1910542
Principal-in-Charge	Project No.
Approver	11/07/19
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

PR3.01

Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR3.01 - ENLARGED PLAN - PLUMBING
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3/31/2020 11:58:09 AM



1 / PR3.01AP PLUMBING WASTE FLOOR PLAN LEVEL L1 SOUTH

SCALE: 3/32" = 1'-0"

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR3.01AP - PLUMBING WASTE FLOOR PLAN LEVEL L1 SOUTH-PARKING
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Residential Building_R19.rvt
11/26/2019 6:08:41 PM

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N&B PROJECT:17N402

GEORGIA
REGISTERED
PROFESSIONAL
ENGINEER
ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019

SCOPE DOCUMENTS

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PLUMBING WASTE FLOOR PLAN LEVEL L1 SOUTH-PARKING

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
DMC	
Staff Engineer	

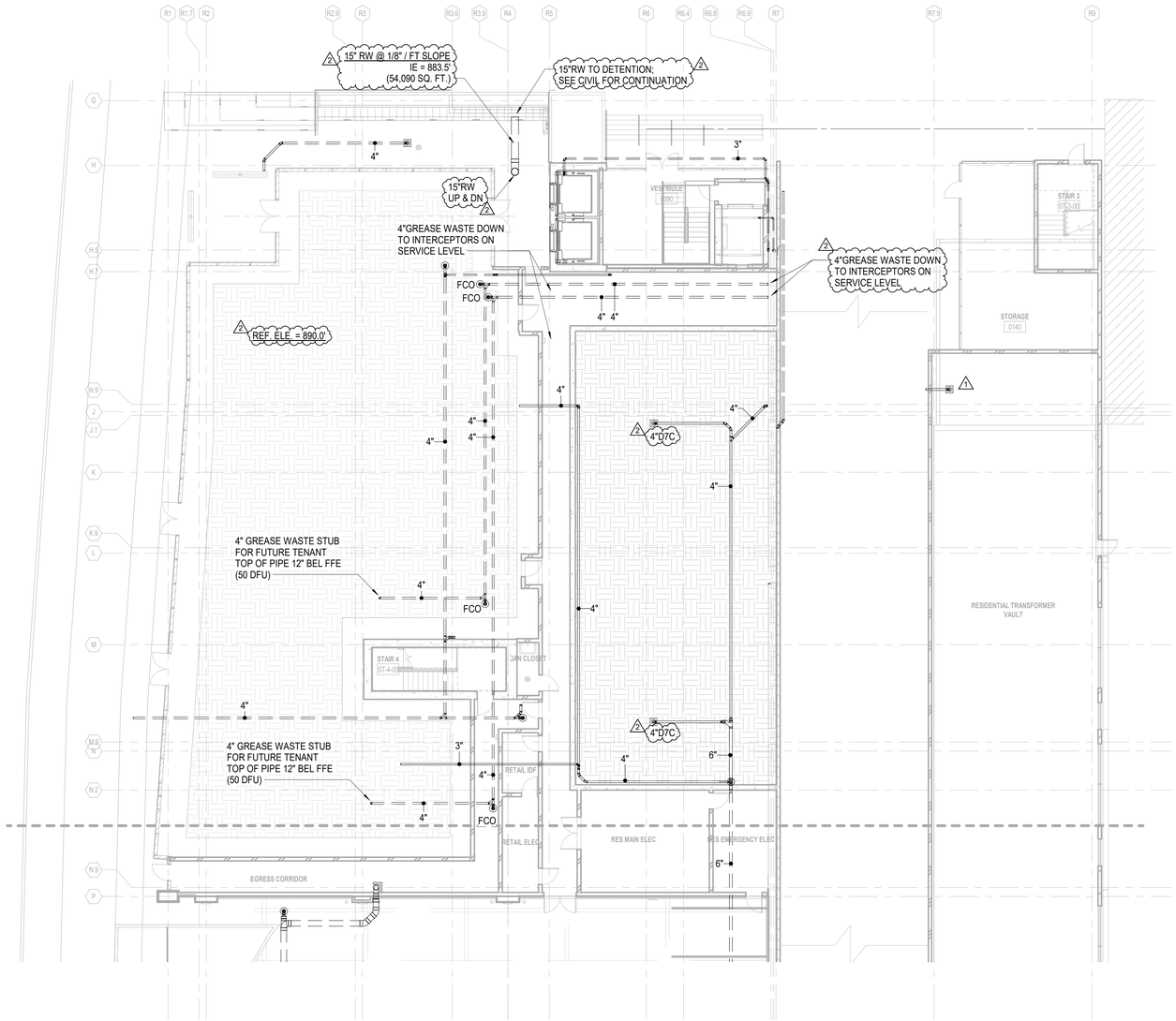
PR3.01AP

Drawing No.

ISSUED FOR CONSTRUCTION

4 8 16 32

N



1 / PR3.01BP PLUMBING WASTE FLOOR PLAN LEVEL L1 NORTH

SCALE: 3/32" = 1'-0"

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Contact: Hugo P. Lastra
N&B PROJECT:17N402

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PROFESSIONAL
ENGINEER
ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
1	COA COMMENTS	01.15.2020
2	ASI 002	02.07.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

♦

METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING WASTE FLOOR PLAN LEVEL L1 NORTH-PARKING

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
DMC	
Staff Engineer	

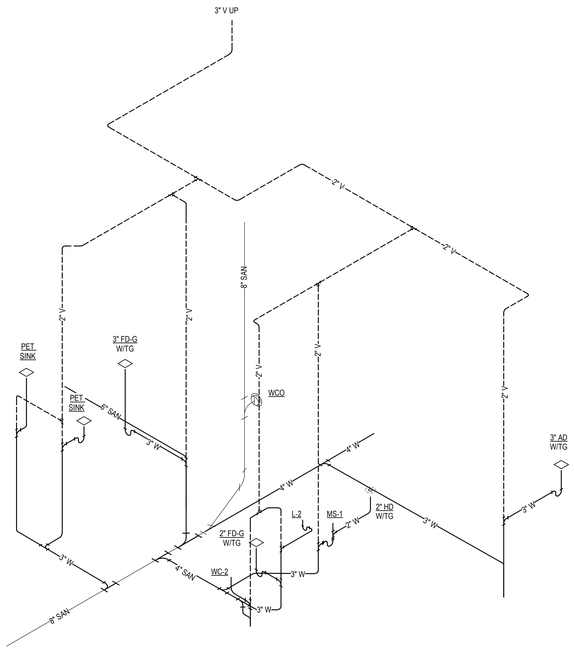
PR3.01BP

Drawing No.

ISSUED FOR CONSTRUCTION

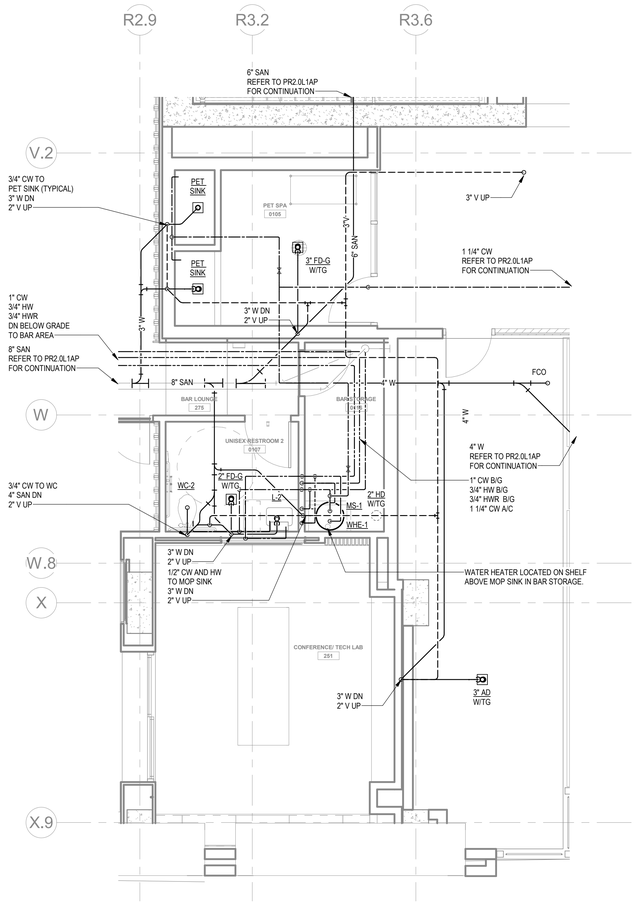
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PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR3.01BP - PLUMBING WASTE FLOOR PLAN LEVEL L1 NORTH-PARKING
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Residential Building_R19.rvt
2/7/2020 12:53:54 PM



2 ISOMETRIC - - PET SPA / RESTROOM - L1 LOBBY - PART B - WASTE AND VENT

Scale:



NORTH 1 ENLARGED PLAN - PET SPA / RESTROOM - L1 LOBBY - PART B - PLUMBING

Scale: 1/4" = 1'-0"

0 4 8 16

JSE
Jordan & Skala Engineers
4275 Shackleford Rd., ● Suite 200
Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER DONALD SHEFFIELD

3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

The documents issued indicate the general scope of the Project. The Construction Manager is responsible for complete and coordinated pricing and execution of the Work, and shall include items necessary for the proper execution and completion of the Work, as shown, specified, reasonably inferred or required for a complete Project. For Work of delegated designs; systems, assemblies, components and materials shall comply with national, state and local code requirements. The Construction Manager shall inform the Owner and Architect, in timely fashion, of any discovered omissions, inconsistencies or errors in the Contract Documents.

MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

ENLARGED PLAN - PLUMBING

Designer	1910542
Principal-in-Charge	Project No.
Approver	01/15/20
Project Manager	Date
Checker	
Project Architect	
Author	
Staff Architect	

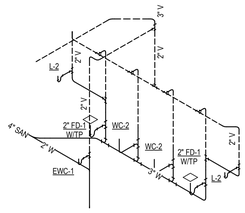
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PR3.02

Drawing No.

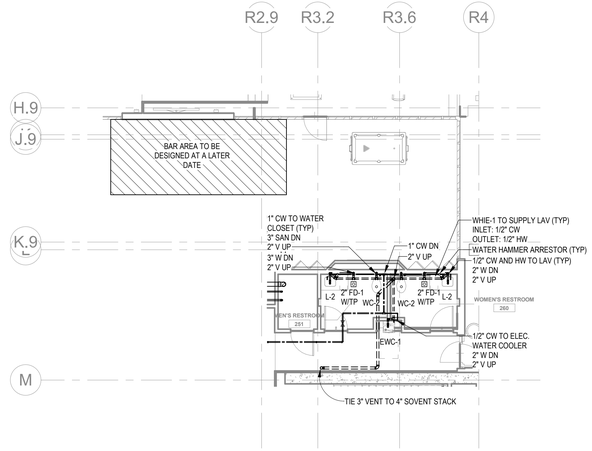
ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR3.02 - ENLARGED PLAN - PLUMBING
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3/31/2020 11:58:10 AM



2 ISOMETRIC - RESTROOM - LEVEL R9 - WASTE AND VENT

Scale:



NORTH

1 ENLARGED PLAN - RESTROOM - LEVEL R9 - PLUMBING

Scale: 1/8" = 1'-0"

0 4 8 16

Jordan & Skala Engineers
4275 Shackleford Rd., ● Suite 200
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Project Number: 1910542
Drawn By: Author Checked By: Checker

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ISSUANCES		
No.	Drawing Issue Description	Date
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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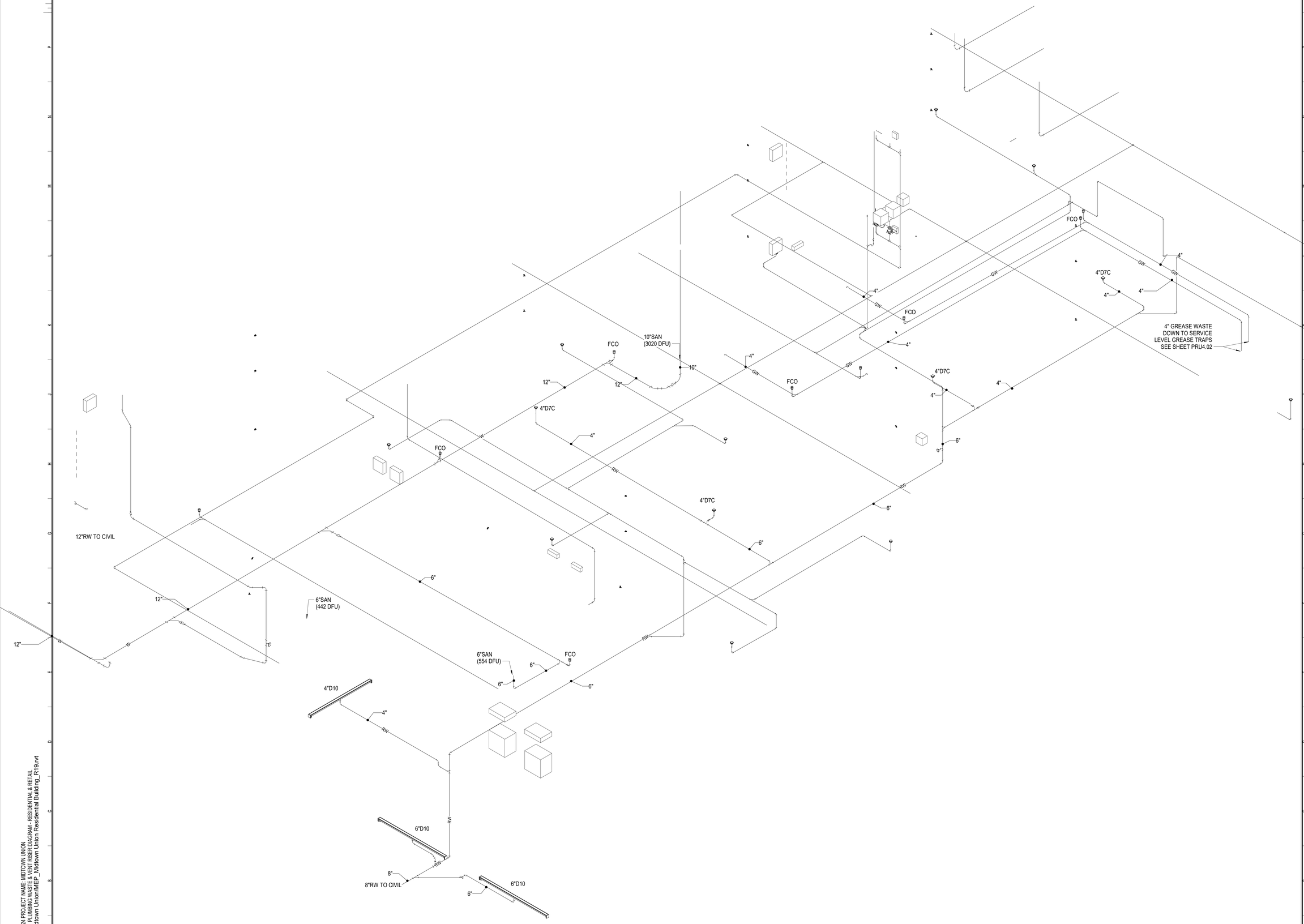
METLIFE/STREETLIGHTS RESIDENTIAL

ENLARGED PLAN - PLUMBING

Designer	1910542
Principal-in-Charge	Project No.
Approver	01/15/20
Project Manager	Date
Checker	2
Project Architect	
Author	PR3.03
Staff Architect	
	Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR3.03 - ENLARGED PLAN - PLUMBING
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3/31/2020 11:58:12 AM



1 PR4.01P SOUTH RESIDENTIAL L1 RISER - A
SCALE:

COOPER CARRY
THE CENTER FOR CONNECTIVE ARCHITECTURE

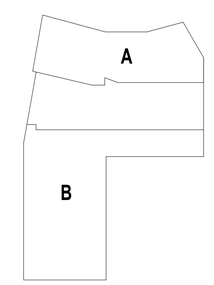
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Suite 2400
Atlanta, GA 30303-1770
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ISSUANCES		
No.	Drawing Issue Description	Date
2	ASI 002	02.07.2020

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Atlanta, Georgia 30303-1277
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Contact: Hugo Lastra
N&B PROJECT: 17N402



MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING WASTE & VENT RISER DIAGRAM - RESIDENTIAL & RETAIL

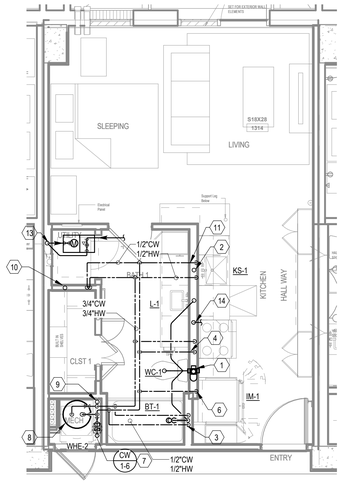
Designer	20170324
Principal-in-Charge	Project No.
Approver	01/15/20
Project Manager	Date
Checker	
Project Engineer	
Author	
Staff Engineer	

2 PR4.01P

Drawing No.

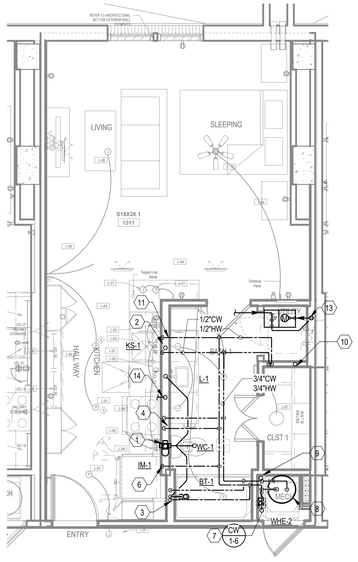
FOR INFORMATION ONLY - NOT ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR4.01P - PLUMBING WASTE & VENT RISER DIAGRAM - RESIDENTIAL & RETAIL
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Residential Building_R19.rvt
2/7/2020 12:53:59 PM



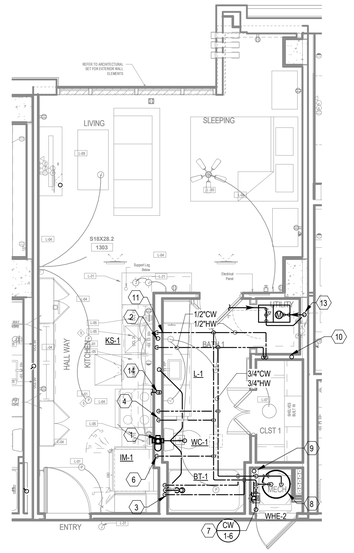
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Scale: 1/4" = 1'-0"



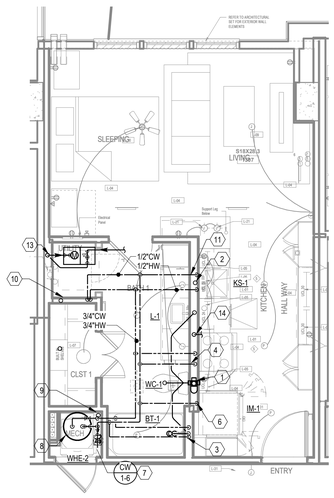
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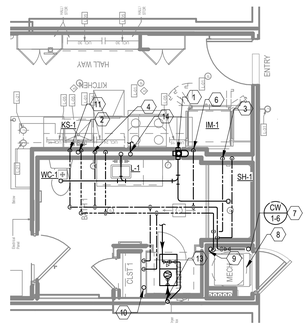
3 UNIT - S18X28.2-PLUMB

Scale: 1/4" = 1'-0"



4 UNIT - S18X28.3-PLUMB

Scale: 1/4" = 1'-0"



5 UNIT - S18X28_ANSI-PLUMB

Scale: 1/4" = 1'-0"

GENERAL NOTES:

1. WHERE WATER SUPPLY LINES ARE SHOWN DROPPING DOWN IN WALL SERVING MULTIPLE FIXTURES, A FULL SIZE HEADER SHALL BE PROVIDED WITH 1/2" CONNECTIONS TO FINAL FIXTURE CONNECTION.

KEY NOTES:

1. 4" PROVENT STACK
2. 3" WASTE STACK
3. 1/2" CW & HW A/C & DN. IN WALL TO FIXTURE(S).
4. 3/4" CW & HW A/C & DN. IN WALL TO FIXTURE(S).
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8. ELECTRIC WATER HEATER. REF: DETAIL & SCHEDULE.
9. 2" INDIRECT WASTE COLLECTION PIPE TO SANITARY. STUB-UP 1" A.F.F. WITH DEEP SEAL TRAP FOR DISCHARGE FROM WATER HEATER T&P RELIEF, DRAIN PAN AND CONDENSATE. REF. TO RISER DIAGRAM 4/P0.07
10. WASHING MACHINE CONNECTION BOX W/ 3/4" HW & CW CONNECTIONS AND 3" SANITARY WASTE STACK AND 3" RELIEF VENT. REFER TO RISER DIAGRAM 4/P007.
11. 3/4" HW & CW TO SINK & DW. PROVIDE 1/2"X3/8" STOP ON CW. PROVIDE 1/2"X3/8"X3/8" STOP ON HW. 3/8" H & CW TO SINK FAUCET, 3/8" HW TO DISHWASHER.
12. DISPOSAL BELOW SINK WITH DISHWASHER WASTE CONNECTION. CONNECT DRAIN THRU AIR GAP TO DISPOSAL. DISPOSAL BY G.C. AND INSTALLED BY PLUMBING CONTRACTOR.
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14. 1/2" GAS IN WALL TO SERVE GAS RANGE. PROVIDE DIRT LEG, GAS COCK, AND FLEXIBLE CONNECTOR.

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4275 Shackleford Rd., ● Suite 200
Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER RONALD SHEFFIELD

3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	DESIGN DEVELOPMENT	08.30.2019
	RESIDENTIAL PERMIT SET	12.04.2019
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

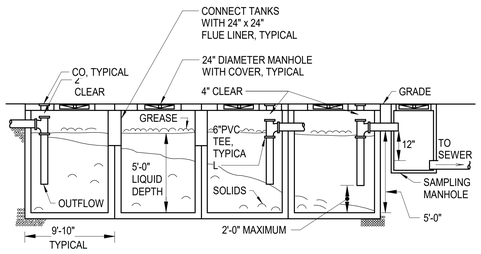
METLIFE/STREETLIGHTS RESIDENTIAL

S 18X28 UNIT PLANS - PLUMBING

Designer	1910542
Principal-in-Charge	Project No.
Approver	08/06/19
Project Manager	Date
Checker	2
Project Architect	
Author	PR5.01
Staff Architect	
	Drawing No.

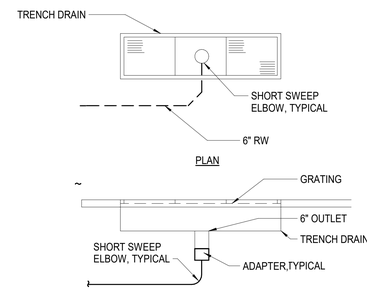
ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR5.01 - S 18X28 UNIT PLANS - PLUMBING
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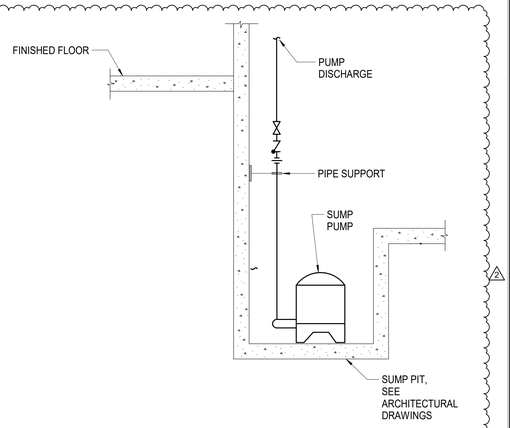
NOTES:
1. INSTALL TANKS ON A 4" CRUSHED STONE LEVELING BED.
2. TANKS SHALL BE PREFABRICATED, 1515 GALLONS EACH.

5 GREASE/SOLIDS INTERCEPTORS
NO SCALE

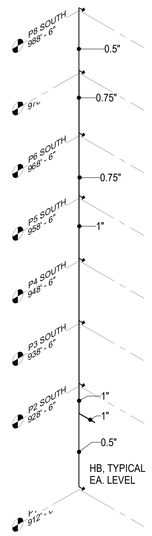


NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR TRENCH DRAIN,GRATING, AND FRAME.

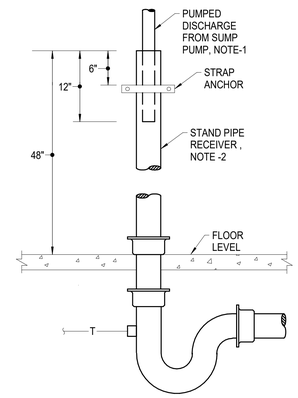
4 TRENCH DRAINS
NO SCALE



3 ELEVATOR SUMP PUMPS
NO SCALE



2 WASHDOWN RISER



NOTES:
1. PUMPED DISCHARGE PIPE, SIZE: 2" FROM SP-1, 3" FROM SP-2.
2. STAND PIPE RECEIVER PIPE, SIZE: 4" RECEIVING SP-1, 6" RECEIVING SP-2.

1 SUMP PUMP DRAIN
NO SCALE

Newcomb&Boyd
CONSULTANTS AND ENGINEERS

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Consulting Engineering Group
303 Peachtree Center Avenue, NE
Suite 525
Atlanta, Georgia 30303-1277
T 404 730-8400
Contact: Hugo P. Lastra
N&B PROJECT:17N402

GEORGIA
REGISTERED
PROFESSIONAL
ENGINEER
ROBERT A. HOWELL
12/4/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019
2	ASI 002	02.07.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING DETAILS-PARKING

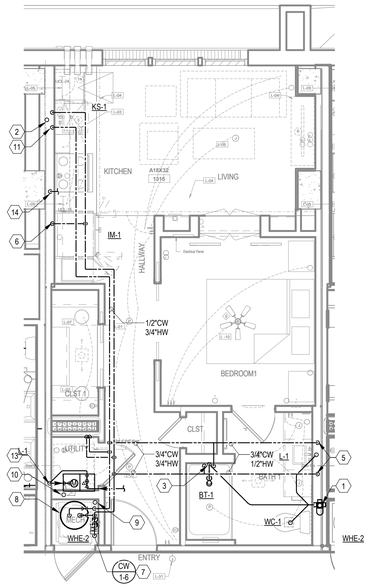
RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PR5.01P

Drawing No.

ISSUED FOR CONSTRUCTION

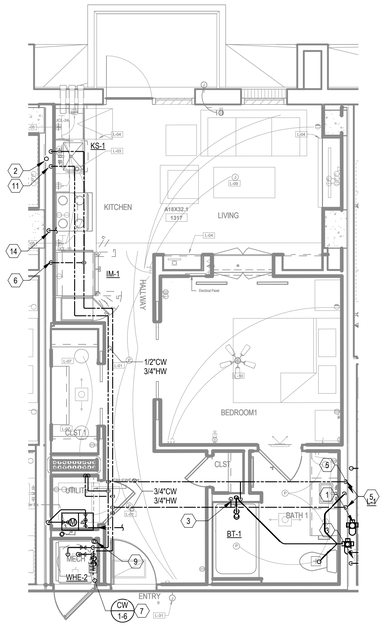
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SHEET NUMBER: PR5.01P - PLUMBING DETAILS-PARKING
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2/7/2020 12:54:05 PM



1 UNIT - A18x32-PLUMB

Scale: 1/4" = 1'-0"

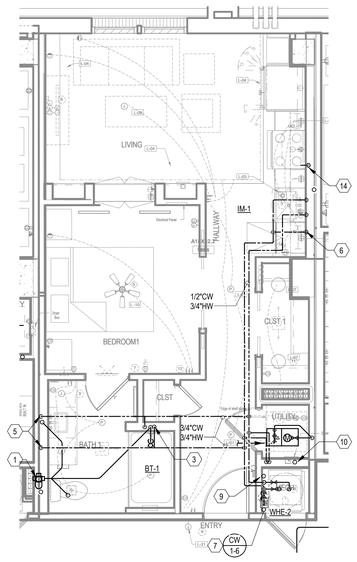
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2 UNIT - A18X32.1-PLUMB

Scale: 1/4" = 1'-0"

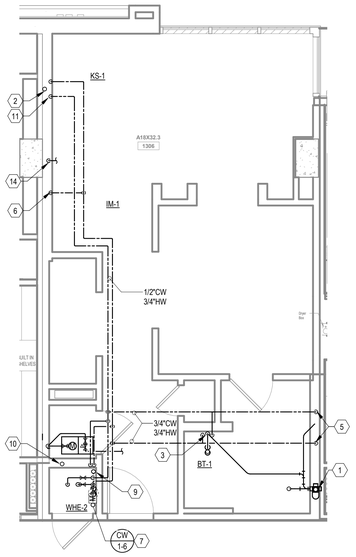
0 2 4 8



3 UNIT - A18X32.2-PLUMB

Scale: 1/4" = 1'-0"

0 2 4 8



4 UNIT - A18X32.3-PLUMB

Scale: 1/4" = 1'-0"

0 2 4 8

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p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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GEORGIA REGISTERED No. 177420 PROFESSIONAL ENGINEER RONALD SHEFFIELD

3/31/2020

ISSUANCES		
No.	Drawing Issue Description	Date
	DESIGN DEVELOPMENT	08.30.2019
	RESIDENTIAL PERMIT SET	12.04.2019
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

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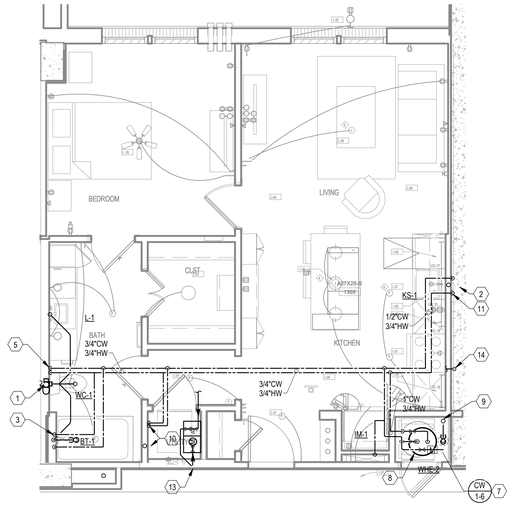
METLIFE/STREETLIGHTS RESIDENTIAL

A 18X32 UNIT PLANS - PLUMBING

Designer	1910542
Principal-in-Charge	Project No.
Approver	08/06/19
Project Manager	Date
Checker	2
Project Architect	
Author	PR5.02
Staff Architect	
	Drawing No.

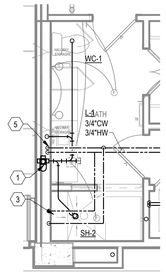
ISSUED FOR CONSTRUCTION

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SHEET NUMBER: PR5.02 - A 18X32 UNIT PLANS - PLUMBING
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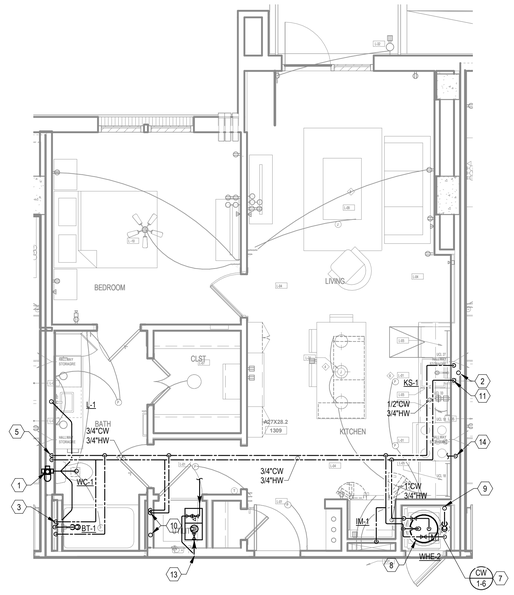
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Scale: 1/4" = 1'-0"



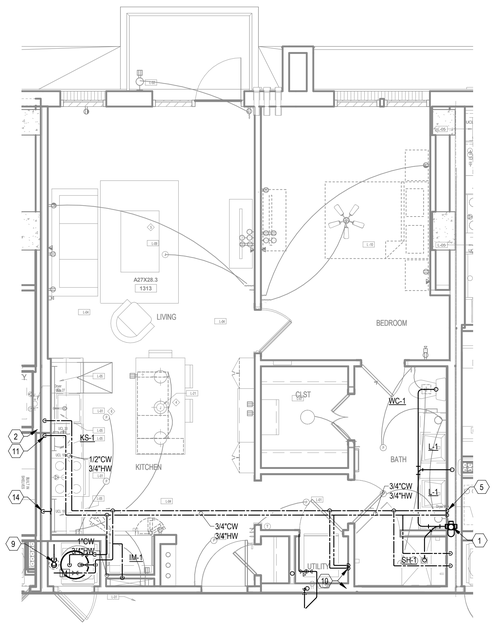
2 UNIT - A27X28.1-PLUMB

Scale: 1/4" = 1'-0"



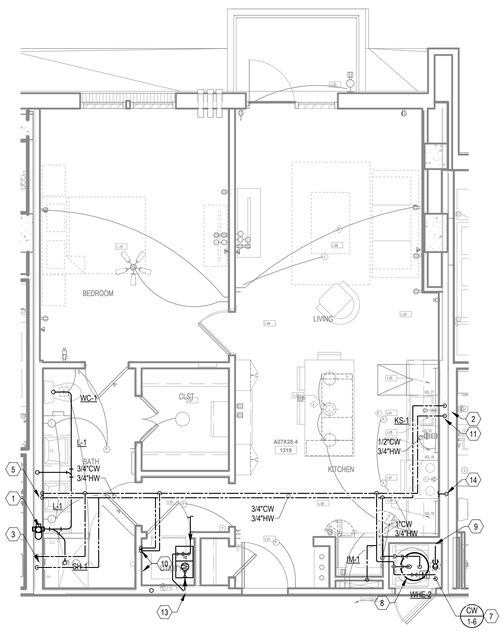
3 UNIT - A27X28.2-PLUMB

Scale: 1/4" = 1'-0"



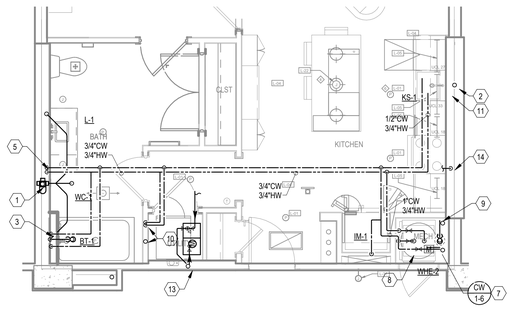
4 UNIT - A27X28.3-PLUMB

Scale: 1/4" = 1'-0"



5 UNIT - A27X28.4-PLUMB

Scale: 1/4" = 1'-0"



6 UNIT - A27X28_ANSI-PLUMB

Scale: 1/4" = 1'-0"

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Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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SCOPE DOCUMENTS

The Construction Documents have not been completed therefore this drawing may be incomplete or not coordinated. The documents issued indicate the general scope of the Project. The Contractor is responsible for complete and coordinated pricing and Work, and shall include all items necessary for the proper execution and completion of the Project, whether indicated or not. All components of the Project shall comply with any and all requirements of national, state, and local codes. The Contractor shall inform the Owner and Architect of any omissions, inconsistencies or errors in the information provided. If no notice is given and any omissions, inconsistencies or errors are discovered, the Architect's decisions on items of Work included in the scope shall be binding on the Contractor, when consistent with the general scope and quality of the Project.

ISSUANCES		
No.	Drawing Issue Description	Date
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

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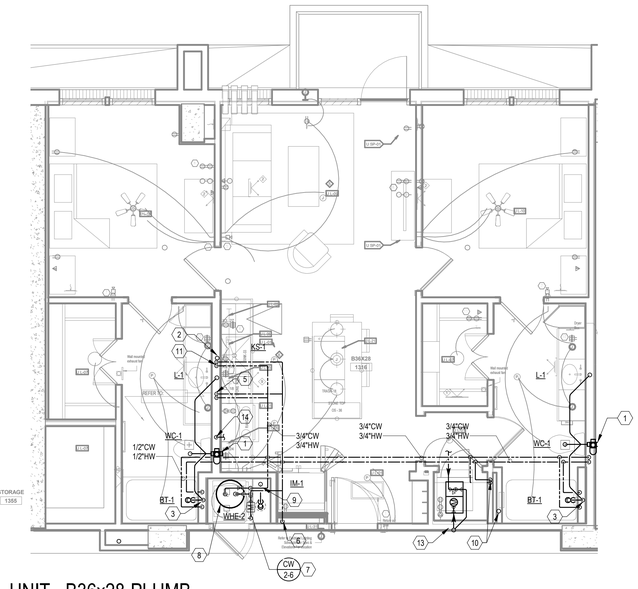
METLIFE/STREETLIGHTS RESIDENTIAL

A 27X28 UNIT PLANS - PLUMBING

Designer Principal-in-Charge	1910542 Project No.
Approver Project Manager	03/12/20 Date
Checker Project Architect	2
Author Staff Architect	PR5.03 Drawing No.

NOT ISSUED FOR CONSTRUCTION

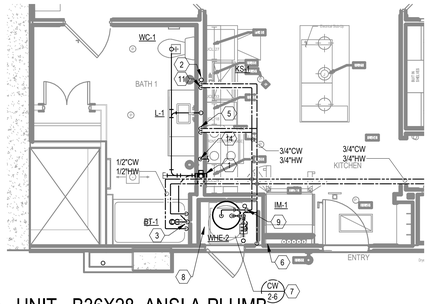
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1 UNIT - B36x28-PLUMB

Scale: 1/4" = 1'-0"

0 2 4 8



2 UNIT - B36X28_ANSI A-PLUMB

Scale: 1/4" = 1'-0"

0 2 4 8

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Project Number: 1910542
Drawn By: Author Checked By: Checker

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SCOPE DOCUMENTS

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ISSUANCES		
No.	Drawing Issue Description	Date
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

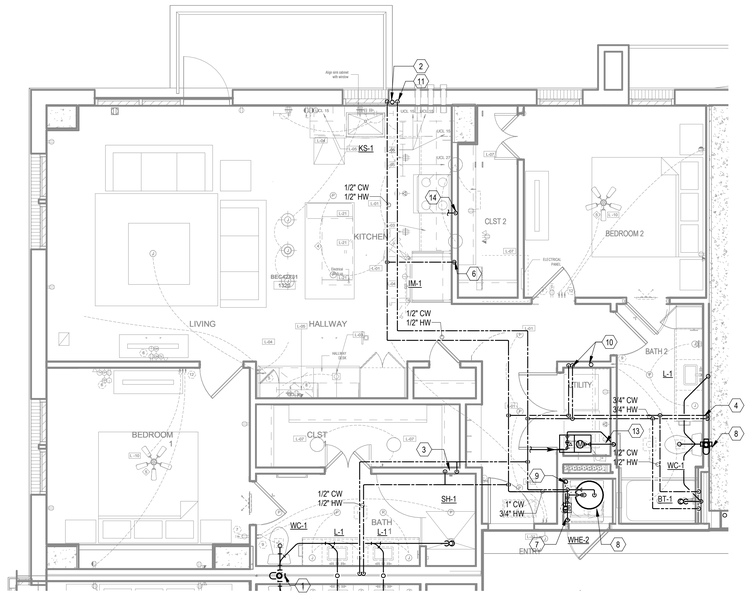
METLIFE/STREETLIGHTS RESIDENTIAL

B 36X28 UNIT PLANS - PLUMBING

Designer Principal-in-Charge	1910542 Project No.
Approver Project Manager	03/12/20 Date
Checker Project Architect	2
Author Staff Architect	PR5.04 Drawing No.

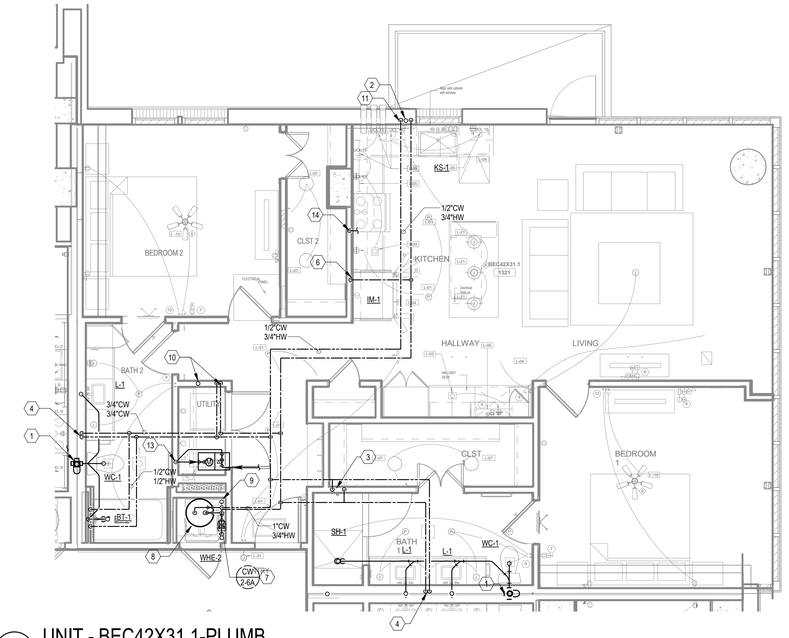
NOT ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR5.04 - B 36X28 UNIT PLANS - PLUMBING
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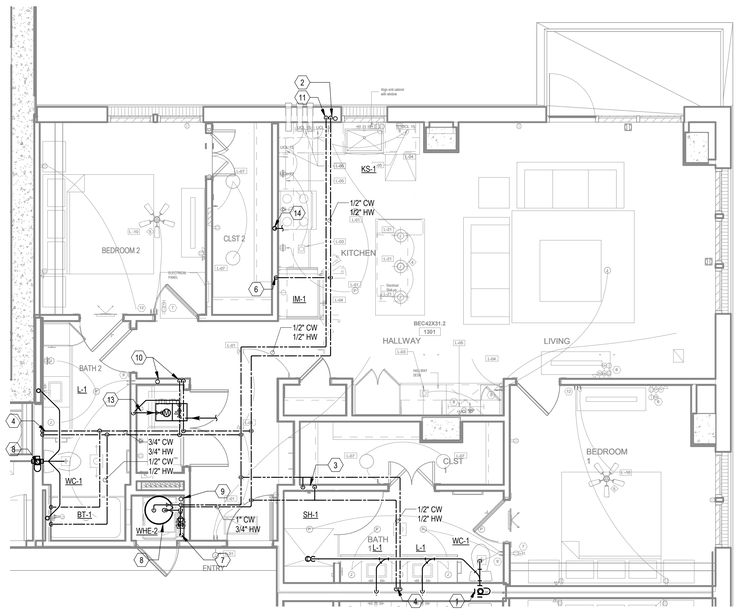
1 UNIT - BEC42x31-PLUMB

Scale: 1/4" = 1'-0"



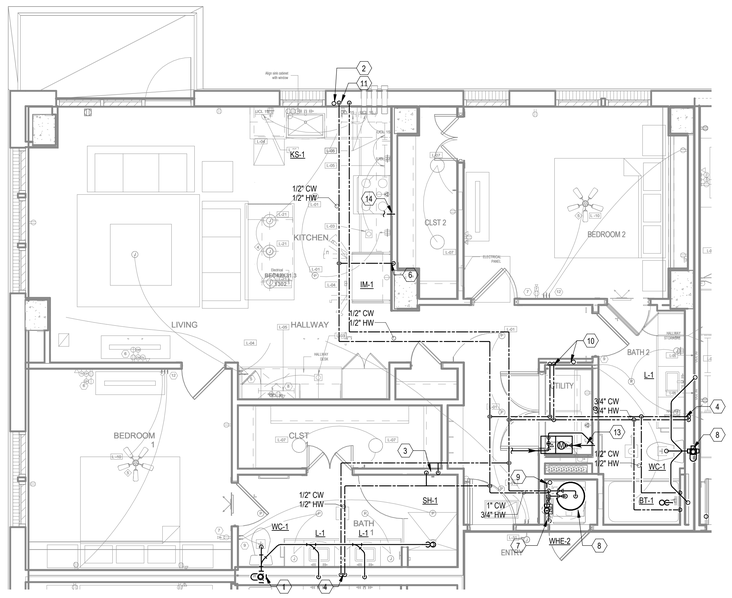
2 UNIT - BEC42X31.1-PLUMB

Scale: 1/4" = 1'-0"



3 UNIT - BEC42X31.2-PLUMB

Scale: 1/4" = 1'-0"



4 UNIT - BEC42X31.3-PLUMB

Scale: 1/4" = 1'-0"

GENERAL NOTES:

1. WHERE WATER SUPPLY LINES ARE SHOWN DROPPING DOWN IN WALL SERVING MULTIPLE FIXTURES, A FULL SIZE HEADER SHALL BE PROVIDED WITH 1/2" CONNECTIONS TO FINAL FIXTURE CONNECTION.

KEY NOTES:

1. 4" PROVENT STACK
2. 3" WASTE STACK
3. 1/2" CW & HW A/C & DN. IN WALL TO FIXTURE(S).
4. 3/4" CW & HW A/C & DN. IN WALL TO FIXTURE(S).
5. 3/4" CW & 1/2" HW A/C & DN. IN WALL TO FIXTURE(S).
6. 1/2" CW A/C & DN. IN WALL TO FIXTURE(S).
7. DOMESTIC WATER RISER & SUPPLY BRANCH TO LIVING UNIT W/DOMESTIC WATER SHUT-OFF VALVE AND SUB-WATER METER ASSEMBLY. REFER TO RISER DIAGRAM FOR SIZE & WATER HEATER DETAIL.
8. ELECTRIC WATER HEATER. REF: DETAIL & SCHEDULE.
9. 2" INDIRECT WASTE COLLECTION PIPE TO SANITARY. STUB-UP 1" A.F.F. WITH DEEP SEAL TRAP FOR DISCHARGE FROM WATER HEATER T&P RELIEF, DRAIN PAN AND CONDENSATE. REF. TO RISER DIAGRAM 4/P0.07
10. WASHING MACHINE CONNECTION BOX W/ 3/4" HW & CW CONNECTIONS AND 3" SANITARY WASTE STACK AND 3" RELIEF VENT. REFER TO RISER DIAGRAM 4/P007.
11. 3/4" HW & CW TO SINK & DW. PROVIDE 1/2"X3/8" STOP ON CW. PROVIDE 1/2"X3/8"X3/8" STOP ON HW. 3/8" H & CW TO SINK FAUCET, 3/8" HW TO DISHWASHER.
12. DISPOSAL BELOW SINK WITH DISHWASHER WASTE CONNECTION. CONNECT DRAIN THRU AIR GAP TO DISPOSAL. DISPOSAL BY G.C. AND INSTALLED BY PLUMBING CONTRACTOR.
13. GAS RISER. GAS SUB-METER ASSEMBLY (RISER SUPPLY W/PRESSURE REGULATOR AT LEVELS 14, 20, AND 26 UNITS ONLY) ABOVE CEILING. PROVIDE ACCESS PANEL MIN. 14" X 14". PANEL AND FINAL LOCATION BY ARCHITECT. REFER TO RISER DIAGRAM FOR PIPE SIZES.
14. 1/2" GAS IN WALL TO SERVE GAS RANGE. PROVIDE DIRT LEG, GAS COCK, AND FLEXIBLE CONNECTOR.

Jordan & Skala Engineers
4275 Shackleford Rd., ● Suite 200
Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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SCOPE DOCUMENTS

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ISSUANCES		
No.	Drawing Issue Description	Date
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

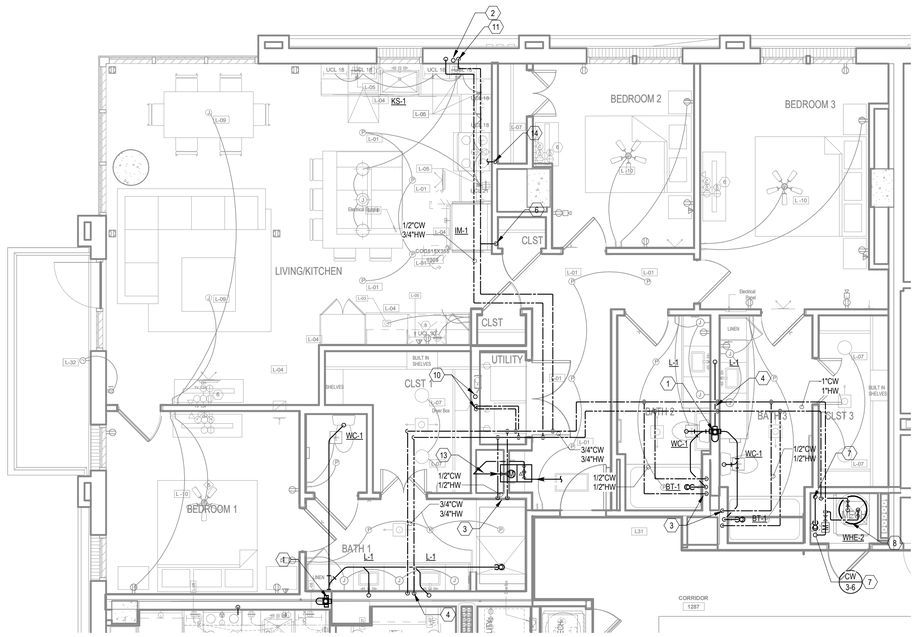
METLIFE/STREETLIGHTS RESIDENTIAL

BEC 42X31 UNIT PLANS - PLUMBING

Designer	1910542
Principal-in-Charge	Project No.
Approver	03/12/20
Project Manager	Date
Checker	2
Project Architect	
Author	PR5.05
Staff Architect	Drawing No.

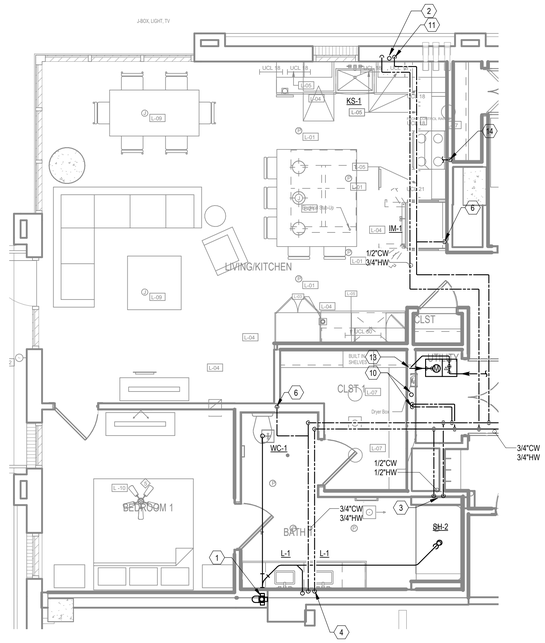
NOT ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR5.05 - BEC 42X31 UNIT PLANS - PLUMBING
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3/31/2020 11:58:29 AM



1 UNIT - COC51.5x33.5-PLUMB

Scale: 1/4" = 1'-0"



2 UNIT - COC51.5X33.5_ANSI-PLUMB

Scale: 1/4" = 1'-0"

GENERAL NOTES:

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KEY NOTES:

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14. 1/2" GAS IN WALL TO SERVE GAS RANGE. PROVIDE DIRT LEG, GAS COCK, AND FLEXIBLE CONNECTOR.

Jordan & Skala Engineers
4275 Shackleford Rd., ● Suite 200
Norcross, GA 30093-2997
p. 770.447.5547 ● f. 770.448.0262

Project Number: 1910542
Drawn By: Author Checked By: Checker

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ISSUANCES		
No.	Drawing Issue Description	Date
2	WCPR-001	03.31.2020

SCOPE DOCUMENTS

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

♦

METLIFE/STREETLIGHTS RESIDENTIAL

COC 51.5X33.5 UNIT PLANS - PLUMBING

Designer	1910542
Principal-in-Charge	Project No.
Approver	03/12/20
Project Manager	Date
Checker	2
Project Architect	
Author	PR5.06
Staff Architect	
	Drawing No.

NOT ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 1910542 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR5.06 - COC 51.5X33.5 UNIT PLANS - PLUMBING
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3/31/2020 11:58:32 AM

BACKFLOW PREVENTER SCHEDULE

NO.	LINE SIZE, IN.	TYPE (NOTE 1)	GPM	PRESSURE DROP, PSIG
BFP-P-1	2	D	100	7

NOTES:

1. TYPE:
   A ATMOSPHERIC
   D DOUBLE CHECK VALVE
   RP REDUCED PRESSURE

DRAIN SCHEDULE

NO.	TYPE (NOTE 1)	DRAIN INFORMATION (NOTE 2)	GENERAL LOCATION	NOTES
D1A	F	FLS, ES	FINISHED AREAS	
D2A	F	RG, ES	AIR HANDLERS	
D2B	F	FLS, SB, ES	EQ ROOMS (SMALL)	
D2C	F	FLS, SB, ES	EQ ROOMS (LARGE)	
D2E	F	FLS, SB, ES	BACKFLOW PREVENTER	
D3A	R	SR, UC, D	PRIMARY ROOF DRAIN	
D3B	R, O	SR, UC, D, ED	SECONDARY ROOF DRAIN	
D3C	R	SR, UC, D	ROOF IW RECEIVER	
D7	P		PARKING DECK DRAIN	
D8	D		TERRACE/BALCONY	
D10	T		LOADING DOCK	3

NOTES: (D-DRAIN)

1. TYPE:

F	FLOOR	SC	SCUPPER
FS	FLOOR SINK	RO	ROOF OVERFLOW
S	SHOWER	H	HUB
PL	PLANTER	FU	FUNNEL
R	ROOF	T	TRENCH
A	AREA	D	DECK
P	PARKING		

2. TYPE:

D	DOME STRAINER	UC	UNDERDECK CLAMP
SR	SUMP RECIVER	TP	TRAP PRIMER
SB	SEDIMENT BASKET	TS	TRAP SEAL
ER	EXTENDED RIM	VP	VANDAL PROOF
ED	EXTERIOR WATER DAM	SPE	STAINLESS PERFORATED EXTENSION
SMS	STAINLESS MESH SCR'N	ES	ELASTOMETRIC TRAP SEAL
RC	RAIN COVER	RG	RECESSED GRATE
		FLS	FLAT STRAINER

3. TRENCH DRAIN: PREFORMED MODULAR CHANNEL WITH DUCTILE IRON SECURED GRATE & FRAME, END-BOTTOM OUTLET, NOMINAL 9' MODULES.
   A. LOADING DOCK/DUMPSTER: NOMINAL 30' OVERALL (4 CHANNELS)
   B. TRUCK RAMP: NOMINAL 27' OVERALL (3 CHANNELS)
   C. PARKING DECK RAMP: NOMINAL 28' OVERALL (3CHANNELS)
   D. SOUTH DECK ENTRY RAMP: NOMINAL 22' OVERALL (3 CHANNELS)

2

SUMP PUMP SCHEDULE

NO.	SERVICE (NOTE 1)	TYPE (NOTE 2)	GPM (NOTE 3)	TOTAL DYNAMIC HEAD (FT. WG)	MINIMUM MOTOR HP	BASIN SIZE	BASIN DEPTH	NOTES
SP-1	SU	S - I	50	32	0.5	24" x 24"	24"	3, 4
SP-2	SU	S - I	100	32	0.75	30" x 30"	30"	3, 4

NOTES:

1. SERVICE: SU SUMP
2. TYPE: S SIMPLEX I INTERIOR
3. REFER TO ELECTRICAL DRAWINGS FOR EQUIPMENT ELECTRICAL CHARACTERISTICS.
4. ELEVATOR SUMP PUMP

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CONSULTANTS AND ENGINEERS

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T 404 730-8400
Contact: Hugo P. Lastra
N&B PROJECT:17N402

GEORGIA
REGISTERED
PROFESSIONAL
ENGINEER
ROBERT A. HOWELL
12/6/19

ISSUANCES		
No.	Drawing Issue Description	Date
	RESIDENTIAL BUILDING PERMIT SET	12.04.2019
2	ASI 002	02.07.2020

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MIDTOWN UNION

1301 SPRING ST NW, ATLANTA, GA 30309

METLIFE/STREETLIGHTS RESIDENTIAL

PLUMBING
SCHEDULES-PARKING

RZH	20170324
Principal-in-Charge	Project No.
HPL	12/04/19
Project Manager	Date
DMC	
Project Engineer	
VMT	
Staff Engineer	

PR6.01P

Drawing No.

ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20170324 PROJECT NAME: MIDTOWN UNION
SHEET NUMBER: PR6.01P - PLUMBING SCHEDULES-PARKING
BIM 360://17n402 - Midtown Union/MEP_Midtown Union Residential Building_R19.rvt
2/7/2020 12:54:18 PM