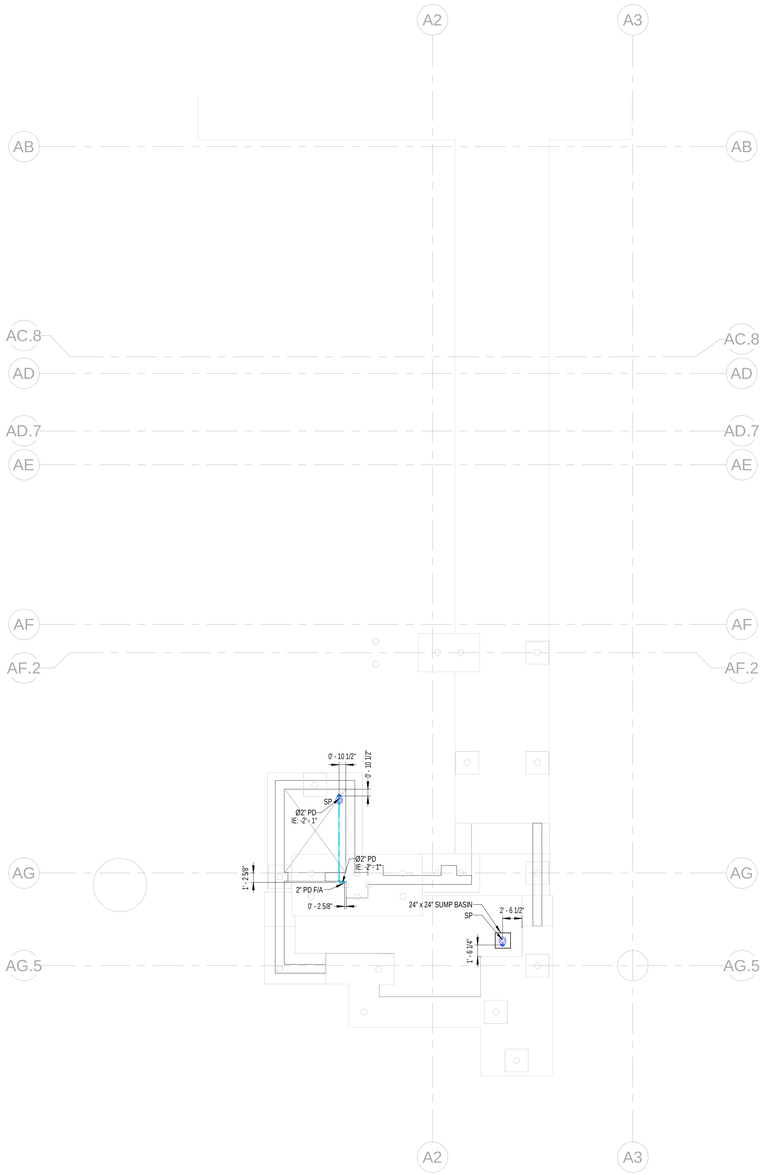
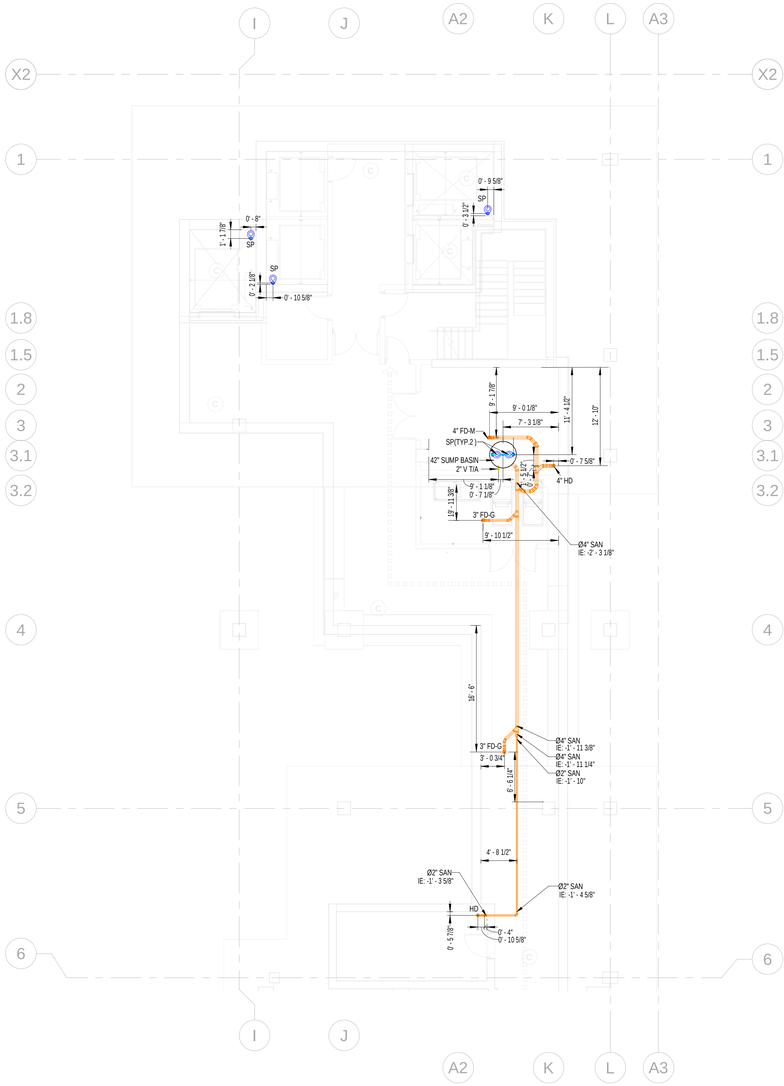


2 SHOP DRAWING_BELOW TUNNEL-SOUTH
1/8" = 1'-0"



1 SHOP DRAWING_BELOW TUNNEL-NORTH
1/8" = 1'-0"

GENERAL NOTES:

1.The invert elevation(IE) is measured from LOWER LEVEL (-13' 00") for all the pipes.
2. The slope for Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK

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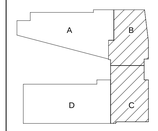
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KEY PLAN:



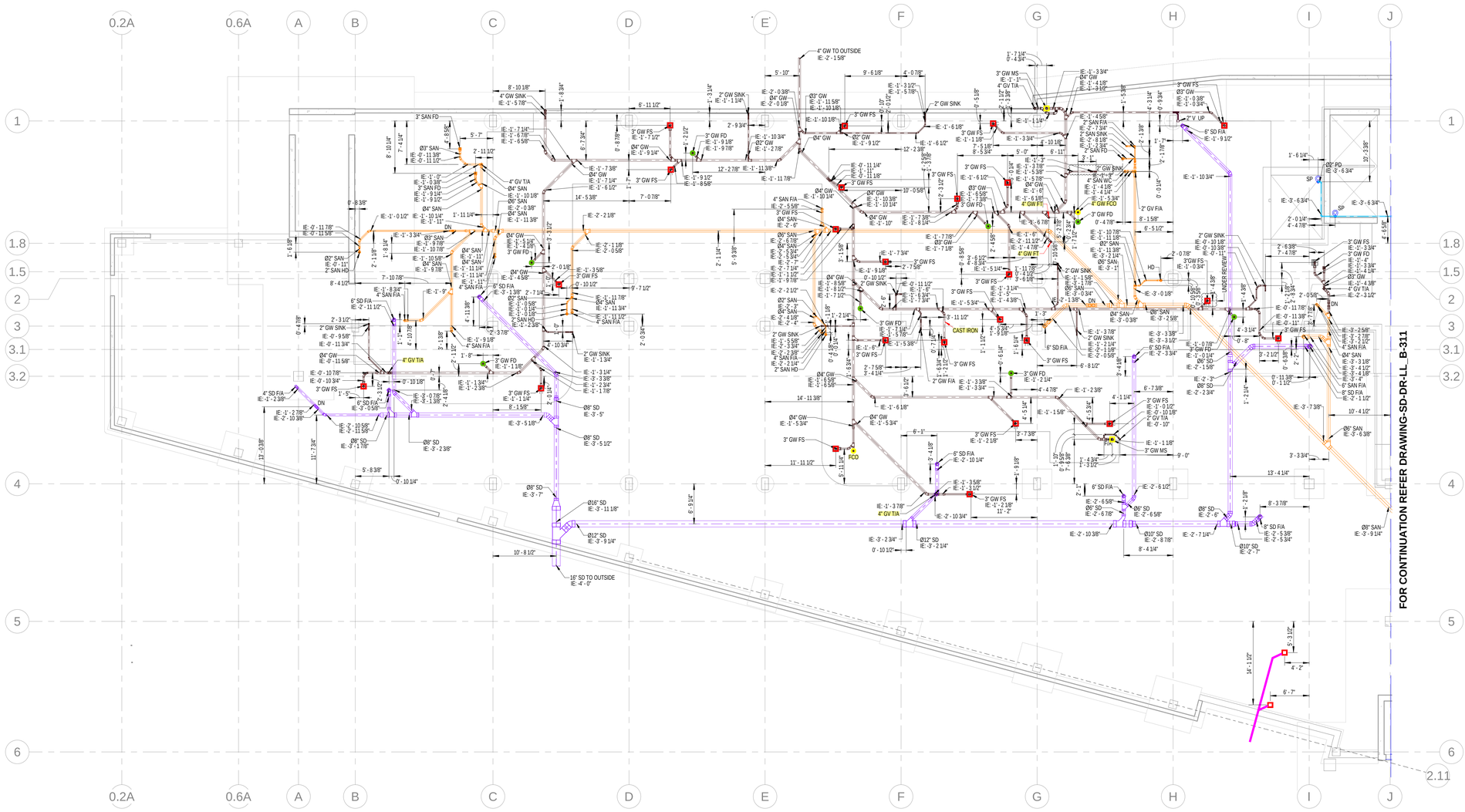
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-05-2021

DRAWING TITLE
BELOW TUNNEL SHOP DRAWING

DRAWING NO.
SD_BT-311

Forum #		MMA #	19050



1 DRAINAGE-LOWER LEVEL-AREA A SHOP DRAWING
1/8" = 1'-0"

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH

GENERAL NOTES:

1.The invert elevation(IE) is measured from LEVEL 01(0' 00).
2. The slope for Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.

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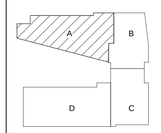
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

DESCRIPTION	DATE
SHOP DRAWING	07-02-2021

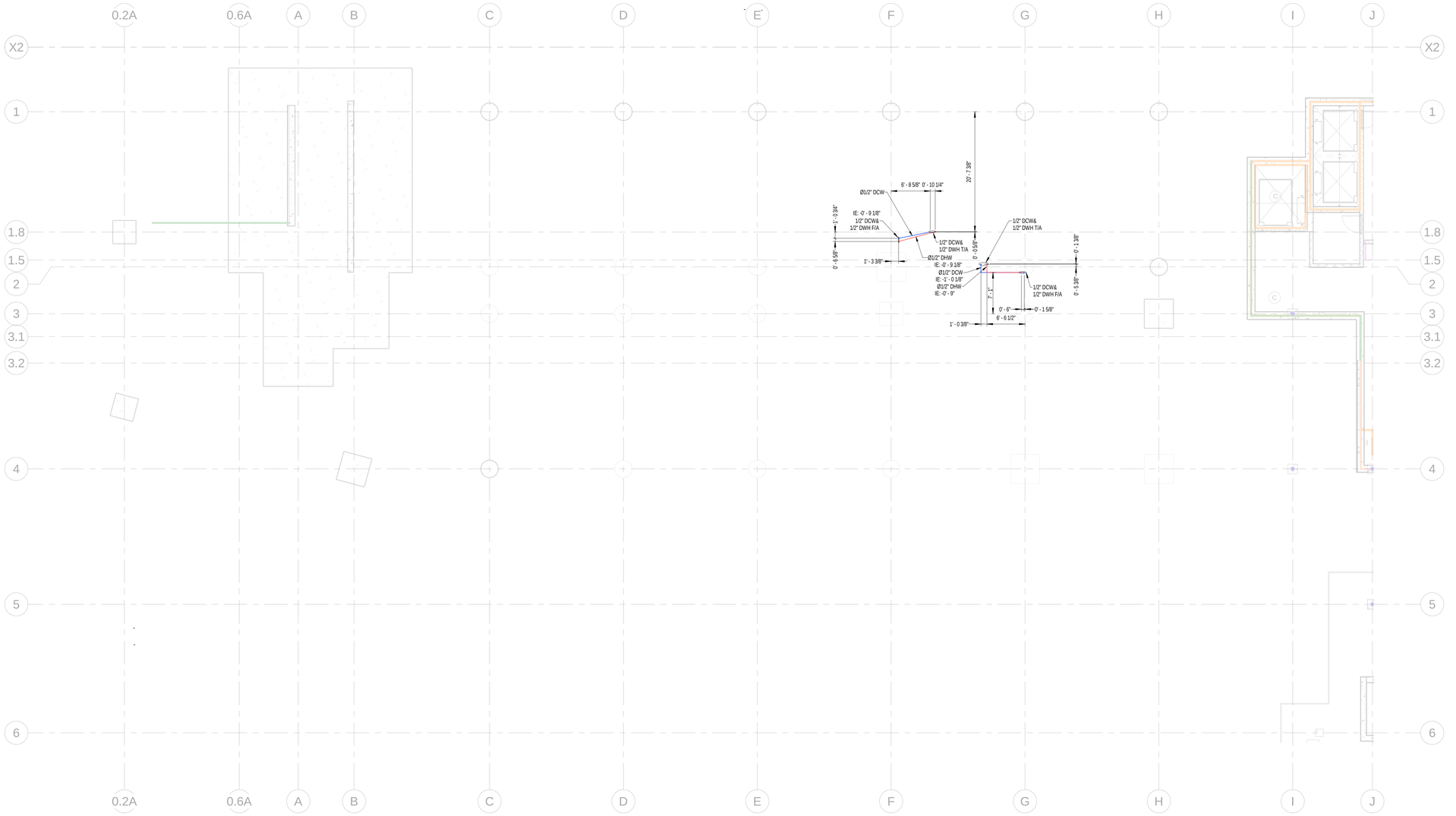
DRAWING TITLE

DRAINAGE-LOWER LEVEL-AREA A SHOP DRAWING

DRAWING NO.

SD-DR-LL_A-311

Forum #		MMA #	19050



1 DWS-LOWER LEVEL-AREA A SHOP DRAWING
1/8" = 1'-0"

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
BFV	BUTTERFLY VALVE
CV	CHECK VALVE
HB	HOSE BIB
ACV	AUTOMATED CONTROL VALVE
T/A	TO ABOVE
F/A	FLOOR ABOVE
DN	DOWN

GENERAL NOTES:

1.The IL is measured from LEVEL 01 (00' 00).

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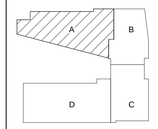
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

DESCRIPTION	DATE
SHOP DRAWING	05-10-2021

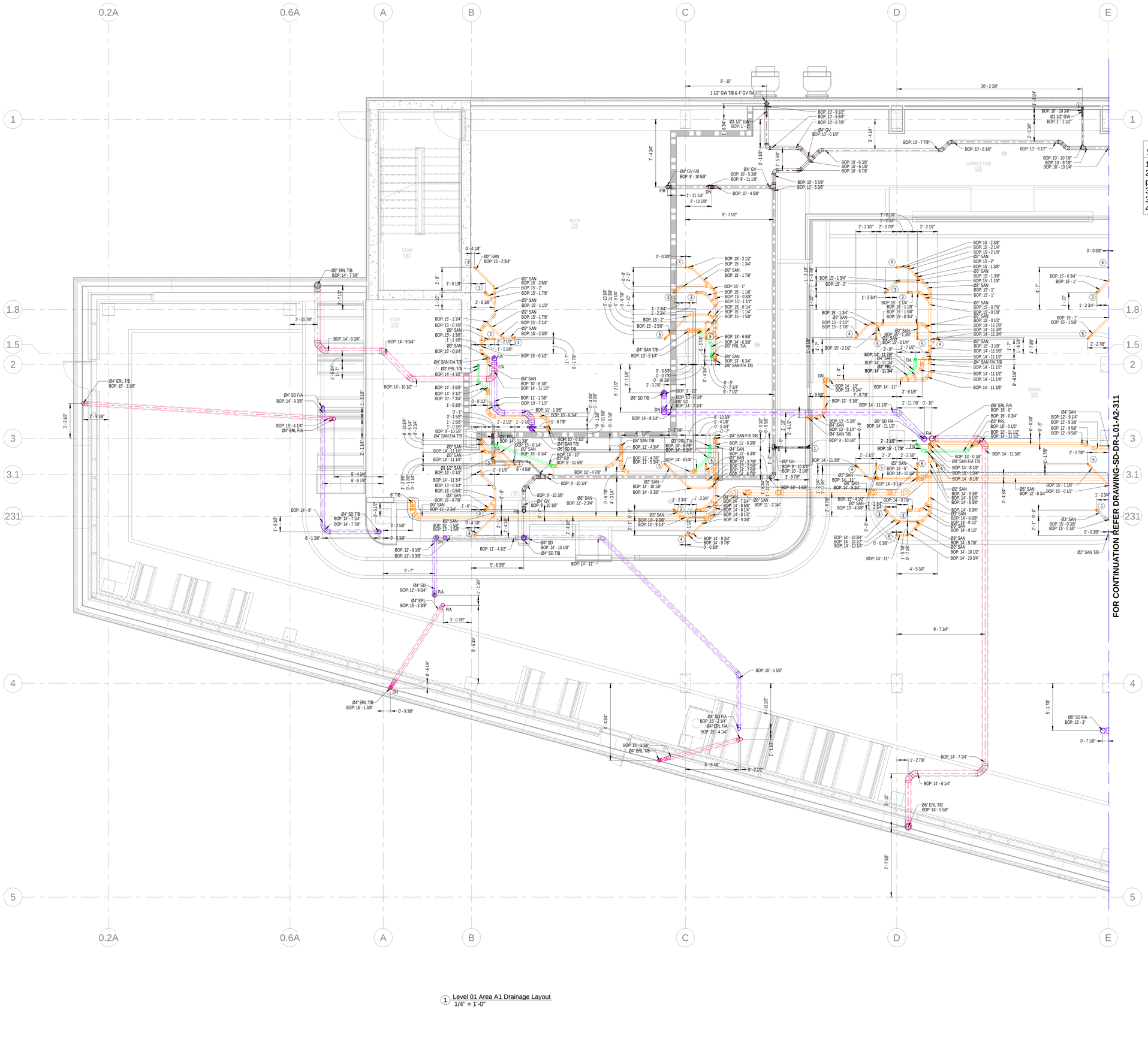
DRAWING TITLE

DWS-LOWER LEVEL-AREA A SHOP DRAWING

DRAWING NO.

SD-DWS-LL_A-312

Forum #		MMA #	19050



1 Level 01 Area A1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 01(0' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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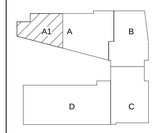
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KEY PLAN:



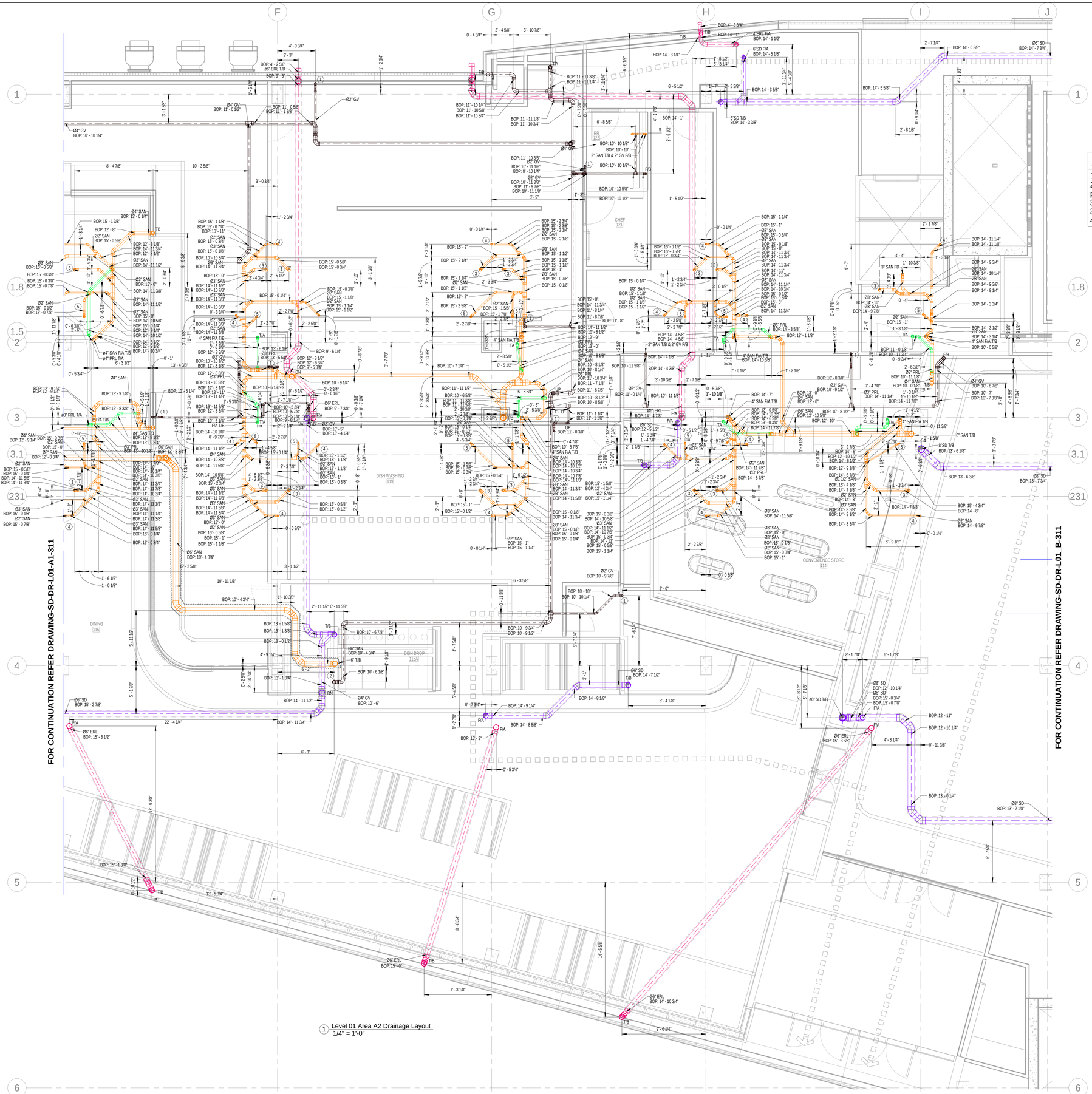
SCAD CAMPUS DEVELOPMENT
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-18-2021
R1	SHOP DRAWING	10-13-2021
R2	SHOP DRAWING	02-04-2022

DRAWING TITLE
Level 01 Area A1 Drainage Layout

DRAWING NO.
SD-DR-L01-A1-311

Forum # | MMA # 19050



1 Level 01 Area A2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 01(0' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
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SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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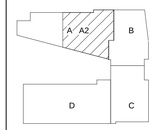
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KEY PLAN:



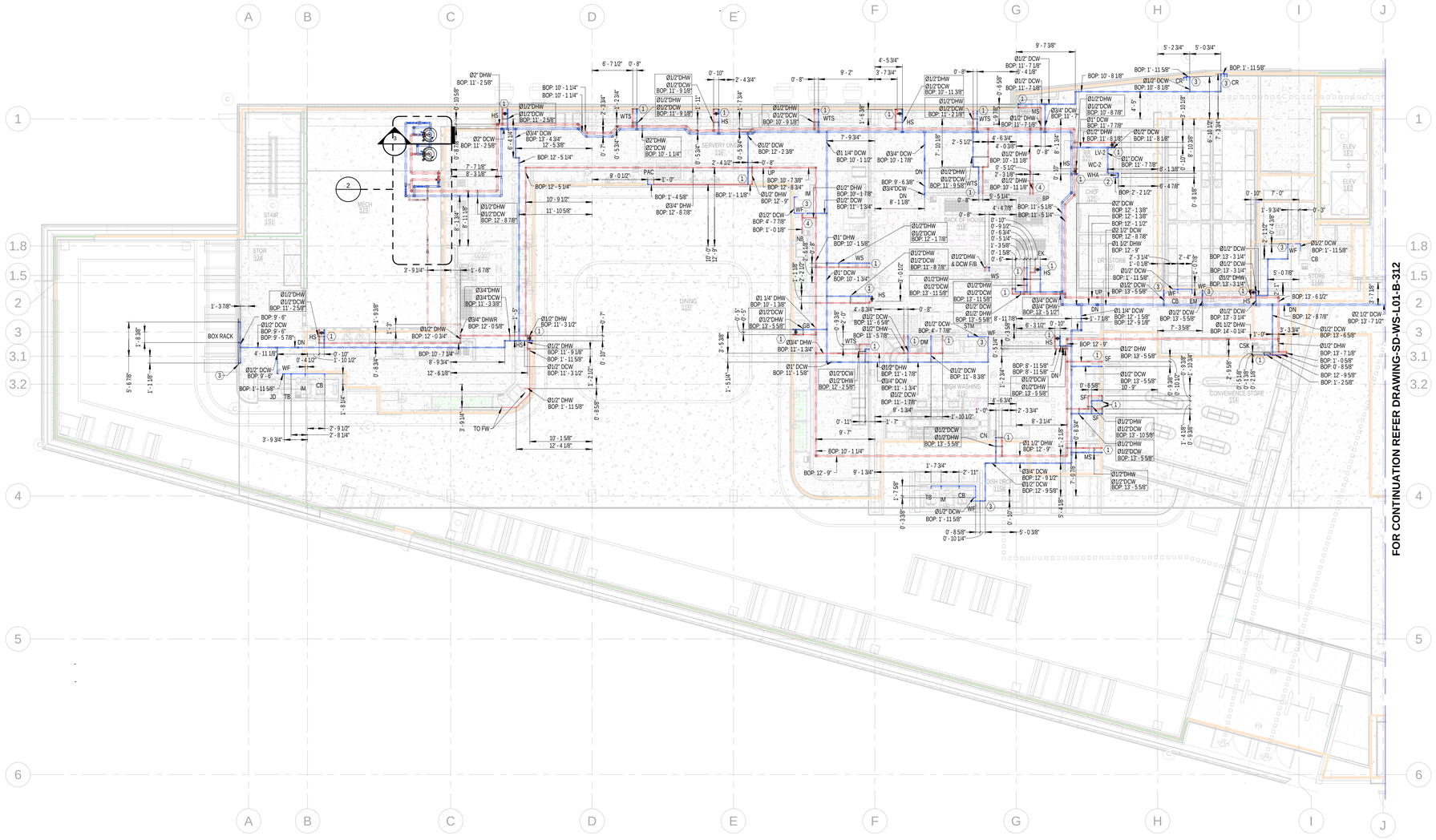
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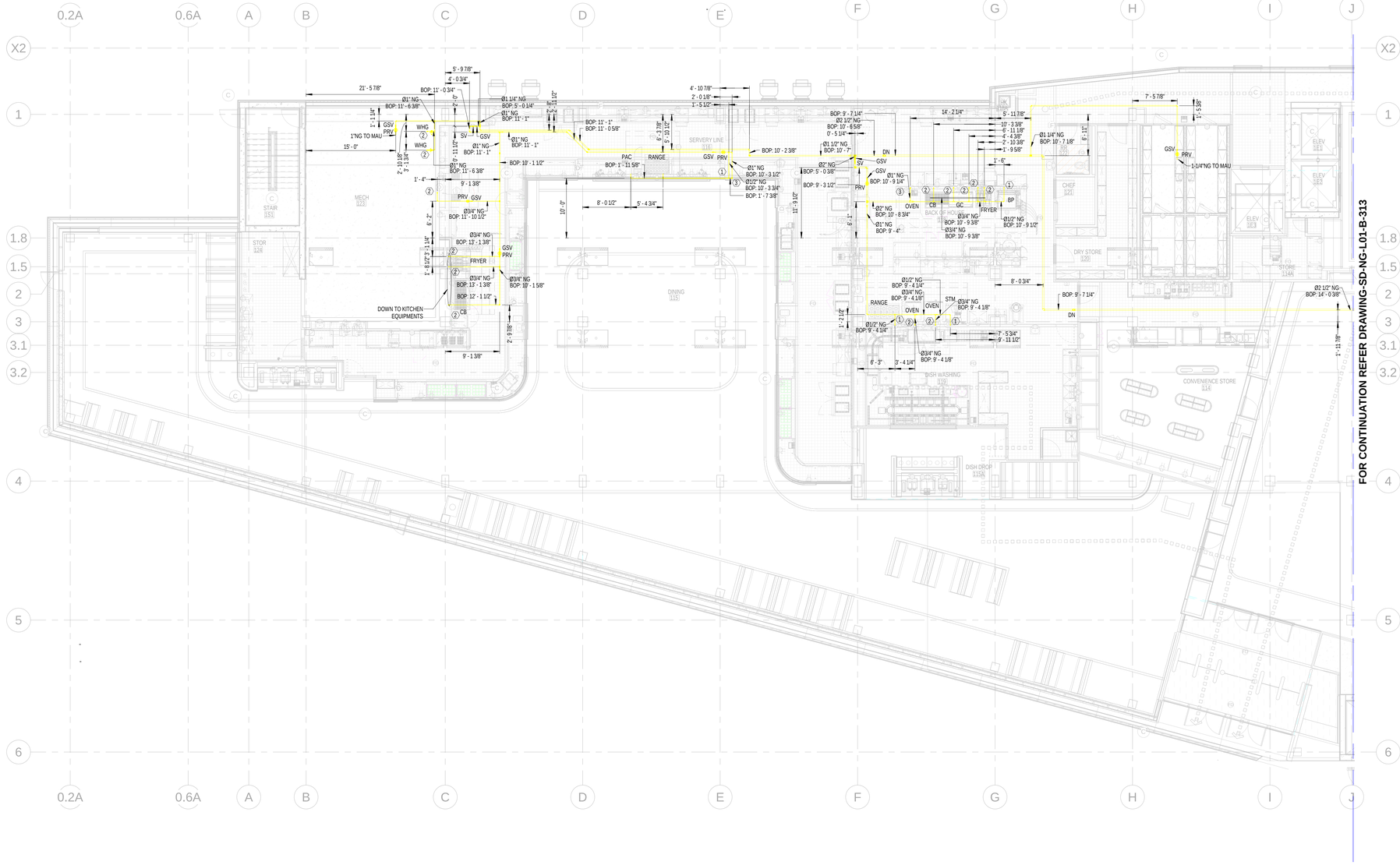
REV	DESCRIPTION	DATE
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R1	SHOP DRAWING	10-13-2021
R2	SHOP DRAWING	02-04-2022

DRAWING TITLE
Level 01 Area A2 Drainage Layout

DRAWING NO.
SD-DR-L01-A2-311

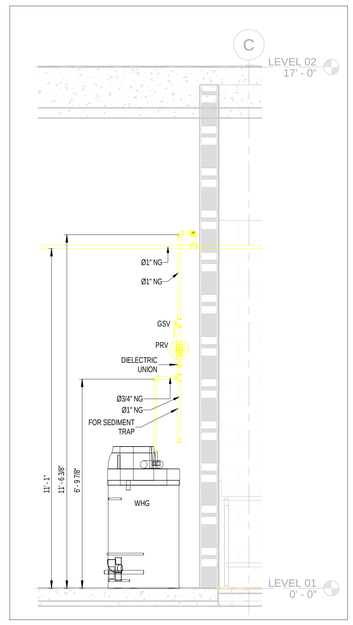
Forum # | MMA # 19050


FOR CONTINUATION REFER DRAWING-SD-WS-L01-B-312
STAIR 151
MECH 123
SERVERY LINE 116
DINING 119
BACK OF HOUSE 118
DISH WASHING 115
CHEF 121
STORE 124
ELEV 161
ELEV 162
CONVENIENCE STORE 114
BOX RACK
TO FW
PAC
WHA
WC-2
LV-2
CR
CSK
CSKF
MS
SF
CN
TB
IM
JD
WF
CB
EK
EM
WS
DM
GB
NB
BP
HS
WTS
DN
UP
BOP: 10' - 1 1/4"
BOP: 10' - 1 1/4"
BOP: 11' - 2 5/8"
BOP: 11' - 9 1/8"
BOP: 11' - 9 1/8"
BOP: 11' - 1 1/4"
BOP: 12' - 5 1/4"
BOP: 12' - 5 1/4"
BOP: 11' - 2 5/8"
BOP: 12' - 8 7/8"
BOP: 11' - 3 3/8"
BOP: 12' - 0 5/8"
BOP: 12' - 0 3/4"
BOP: 10' - 7 1/4"
BOP: 11' - 9 1/8"
BOP: 11' - 11 5/8"
BOP: 11' - 3 1/2"
BOP: 11' - 11 5/8"
BOP: 9' - 6"
BOP: 9' - 6"
BOP: 9' - 5 7/8"
BOP: 9' - 6"
BOP: 1' - 11 5/8"
BOP: 10' - 7 3/8"
BOP: 12' - 2 3/8"
BOP: 10' - 8 3/4"
BOP: 12' - 8 3/4"
BOP: 10' - 7 3/8"
BOP: 12' - 8 3/4"
BOP: 10' - 1 7/8"
BOP: 12' - 9"
BOP: 10' - 1 5/8"
BOP: 10' - 1 3/4"
BOP: 10' - 1 3/8"
BOP: 12' - 5 5/8"
BOP: 11' - 6 5/8"
BOP: 11' - 5 7/8"
BOP: 11' - 1 7/8"
BOP: 11' - 1 3/4"
BOP: 11' - 1 7/8"
BOP: 11' - 1 3/4"
BOP: 11' - 1 7/8"
BOP: 11' - 1 3/4"
BOP: 11' - 1 7/8"
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BOP: 10' - 1 1/2"
BOP: 10' - 7 3/8"
BOP: 12' - 8 3/4"
BOP: 12' - 9"
BOP: 10' - 1 7/8"
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BOP: 10' - 1 5/8"
BOP: 10' - 1 3/4"
BOP: 12' - 3 1/2"
BOP: 11' - 1 3/4"
BOP: 12' - 5 5/8"
BOP: 11' - 6 5/8"
BOP: 11' - 5 7/8"
BOP: 11' - 1 7/8"
BOP: 11' - 1 3/4"
BOP: 11' - 1 7/8"
BOP: 12' - 2 5/8"
BOP: 11' - 1 7/8"
BOP: 11' - 1 3/4"
BOP: 11' - 1 7/8"
BOP: 12' - 5 5/8"
BOP: 12' - 5 5/8"
BOP: 12' - 5 5/8"
BOP: 12' - 5 5/8"
BOP: 12' - 9 1/4"
BOP: 12' - 9"
BOP: 12' - 9 1/2"
BOP: 12' - 9 5/8"
BOP: 10' - 8 1/8"
BOP: 10' - 8 1/8"
BOP: 10' - 8 7/8"
BOP: 11' - 7 7/8"
BOP: 11' - 8 1/8"
BOP: 11' - 7 7/8"
BOP: 11' - 11 7/8"
BOP: 11' - 11 7/8"
BOP: 11' - 11 5/8"
BOP: 2' - 2 1/2"
BOP: 4' - 7 7/8"
BOP: 1' - 0 1/8"
BOP: 11' - 5 1/8"
BOP: 11' - 5 1/8"
BOP: 11' - 5



FOR CONTINUATION REFER DRAWING-SD-NG-L01-B-313

1 Level 01 Area A Natural Gas Layout
1/8" = 1'-0"



2 Section View WHG
1/2" = 1'-0"

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

GENERAL NOTES:
1.The BOP is measured from LEVEL 01(0' 00).

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
PRV	PRESSURE RELEASE VALVE
GSV	GAS SHUT OFF VALVE
BOP	BOTTOM OF PIPE
CV	CHECK VALVE
F/B	FROM BELOW
T/B	TO BELOW
DN	DOWN
SV	SOLENOID VALVE
MAU	MAKE UP AIR UNIT
CS	CIRCUIT SETTER
F/A	FROM ABOVE
T/A	TO ABOVE
BP	BRAISING PAN
GC	GRIDDLE COUNTER
CB	CHAR BROILER
STM	STEAMER
HB	HEATED CABINET
WHG	WATER HEATER GAS

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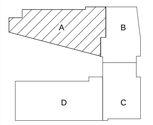
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

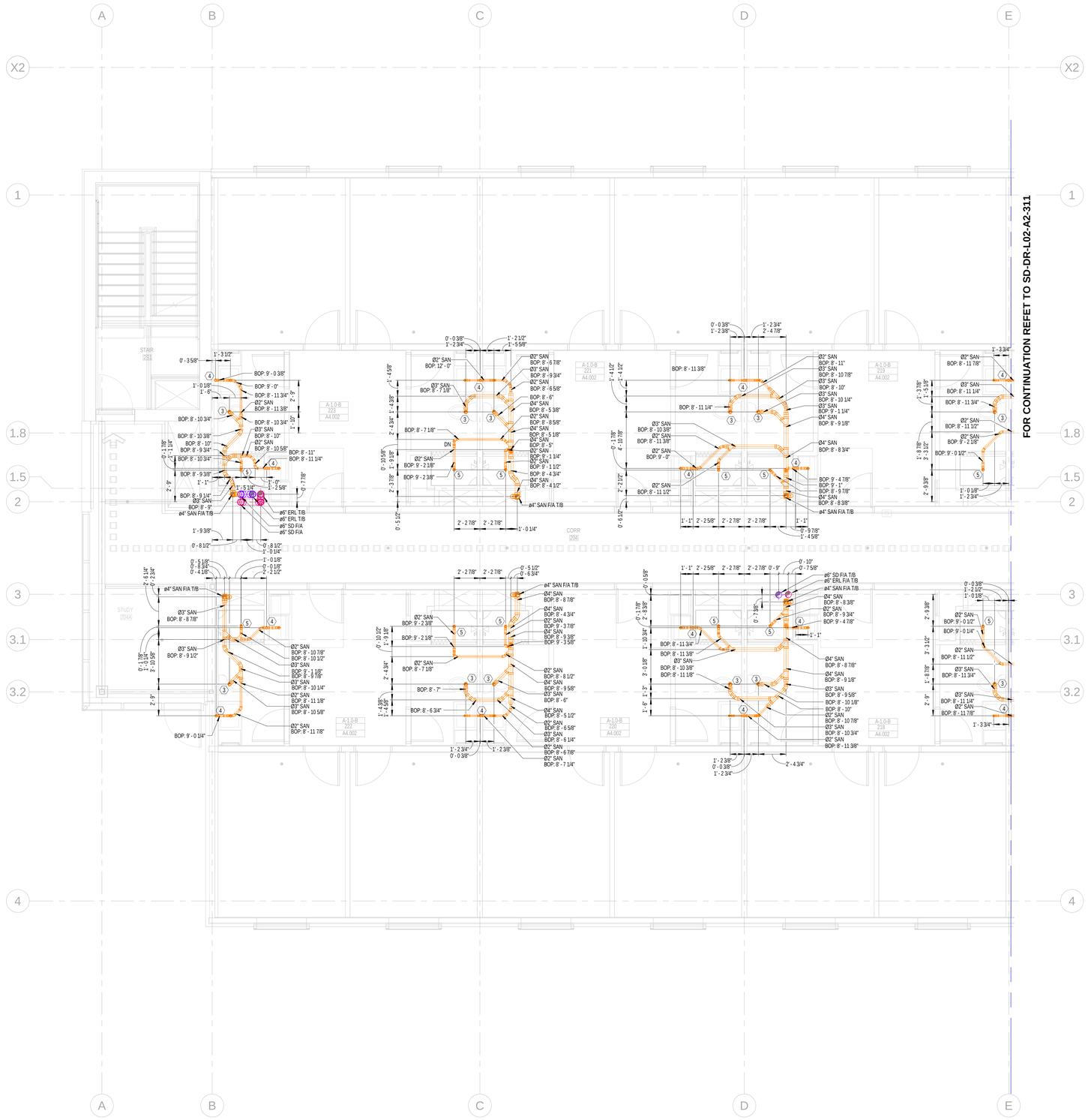
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-18-2021
R1	SHOP DRAWING	07-30-2021

DRAWING TITLE
Level 01 Area A Natural Gas Layout

DRAWING NO.
SD-NG-L01-A-313

Forum #		MMA #	19050



1 Level 02 Area A1 Drainage Layout
1/4" = 1'-0"

DRAFT

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

GENERAL NOTES:

1. The BOP is measured from LEVEL 02(17' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes in horizontal run.

PLUMBING KEY NOTE	
1	2" GW T/B & 2' GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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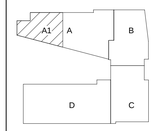
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

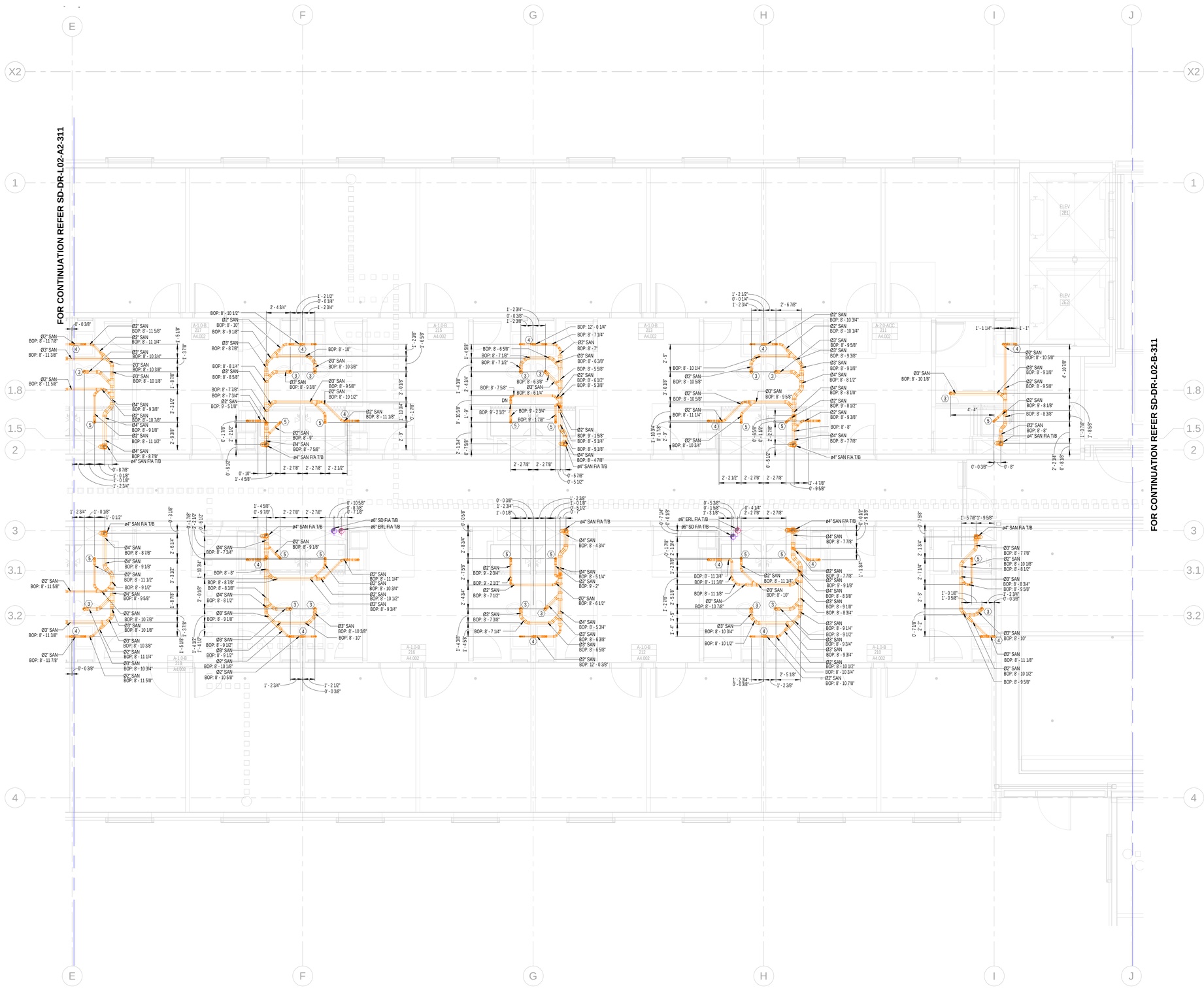
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-16-2021

DRAWING TITLE
Level 02 Area A1 Drainage Layout

DRAWING NO.
SD-DR-L02-A1-311

Forum #		MMA #	19050



1 Level 02 Area A2 Drainage Layout
1/4" = 1'-0"

DRAFT

GENERAL NOTES:

1. The BOP is measured from LEVEL 02(17' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes in horizontal run.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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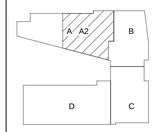
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KEY PLAN:



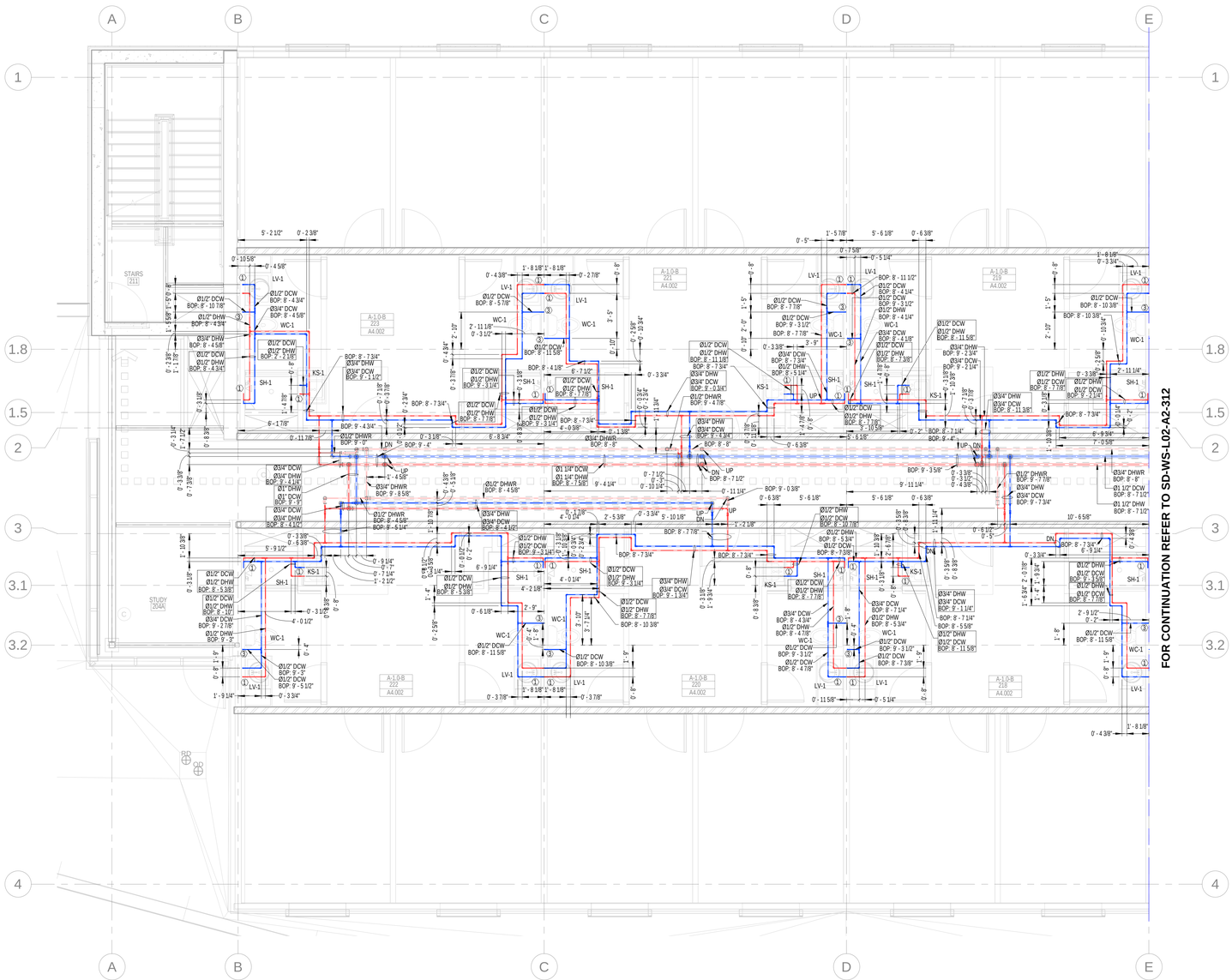
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-16-2021

DRAWING TITLE
Level 02 Area A2 Drainage Layout

DRAWING NO.
SD-DR-L02-A2-311

Forum #		MMA #	19050



1 Level 02 Area A1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 02(17' 00).
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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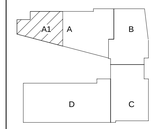
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KEY PLAN:



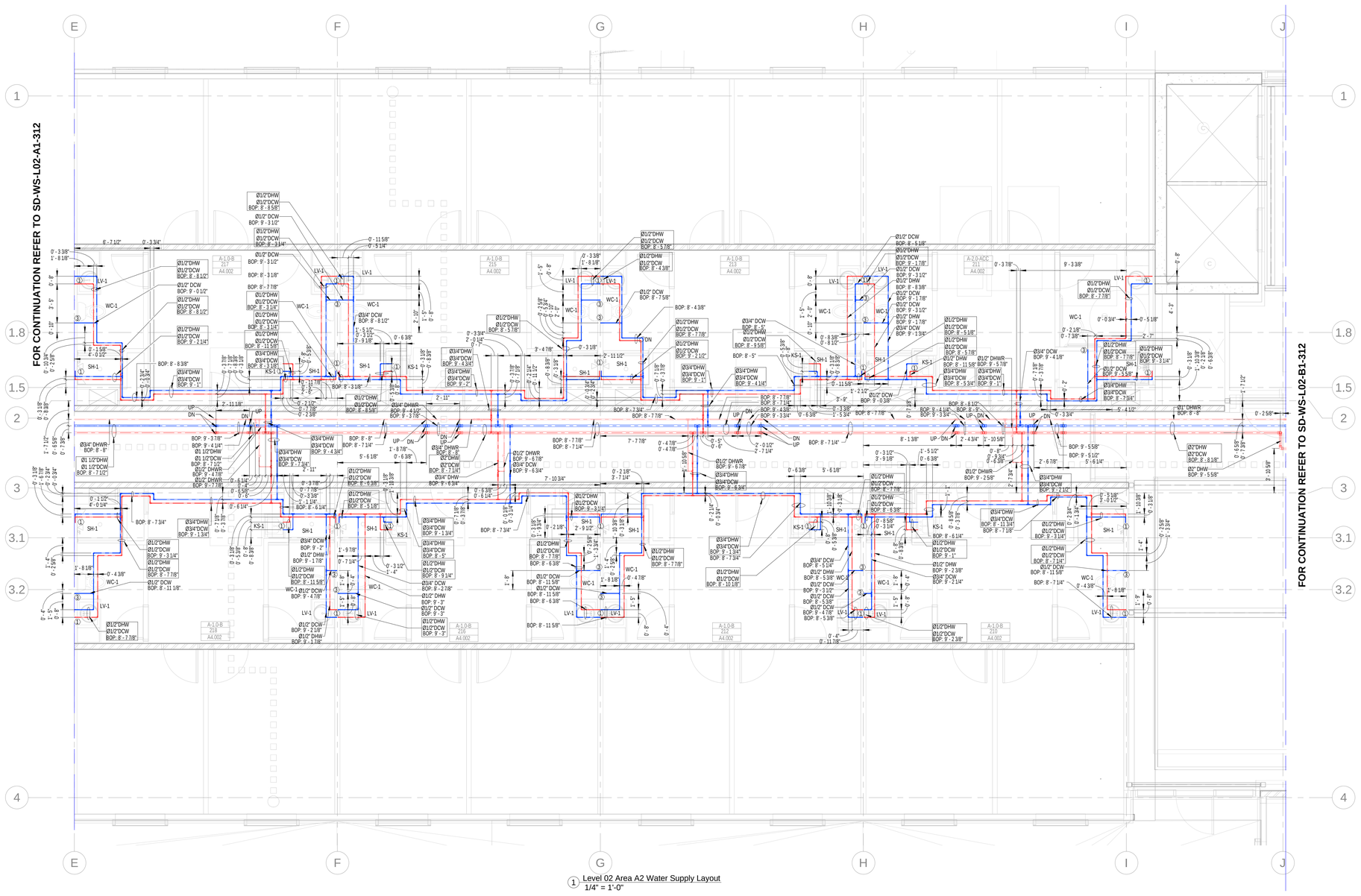
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-19-2021
R1	SHOP DRAWING	09-28-2021
R2	SHOP DRAWING	10-05-2021

DRAWING TITLE
Level 02 Area A1 Water Supply Layout

DRAWING NO.
SD-WS-L02-A1-312

Forum #		MMA #	19050



1 Level 02 Area A2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 02(17' 00).
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE
1 Ø1/2" DCW & Ø1/2" DHW DN
2 Ø1" DCW DN
3 Ø1/2" DCW DN
4 Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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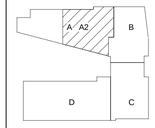
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KEY PLAN:



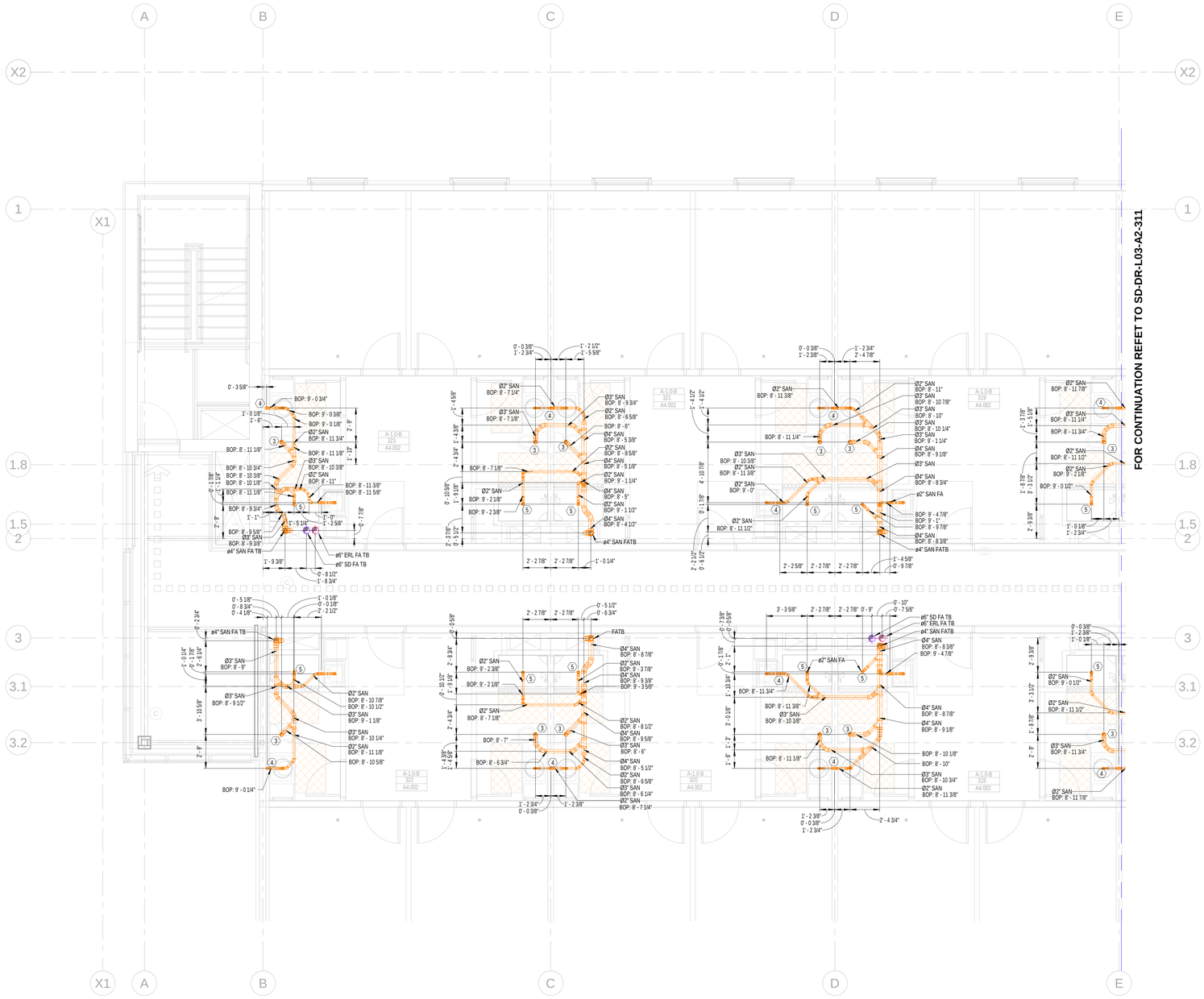
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-19-2021
R1	SHOP DRAWING	09-28-2021
R2	SHOP DRAWING	10-05-2021

DRAWING TITLE
Level 02 Area A2 Water Supply Layout

DRAWING NO.
SD-WS-L02-A2-312

Forum #		MMA #	19050



1 Level 03 Area A1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 03 (27'-6").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

DRAFT

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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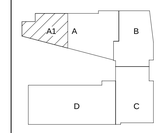
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
	SHOP DRAWING	08-10-2021

DRAWING TITLE

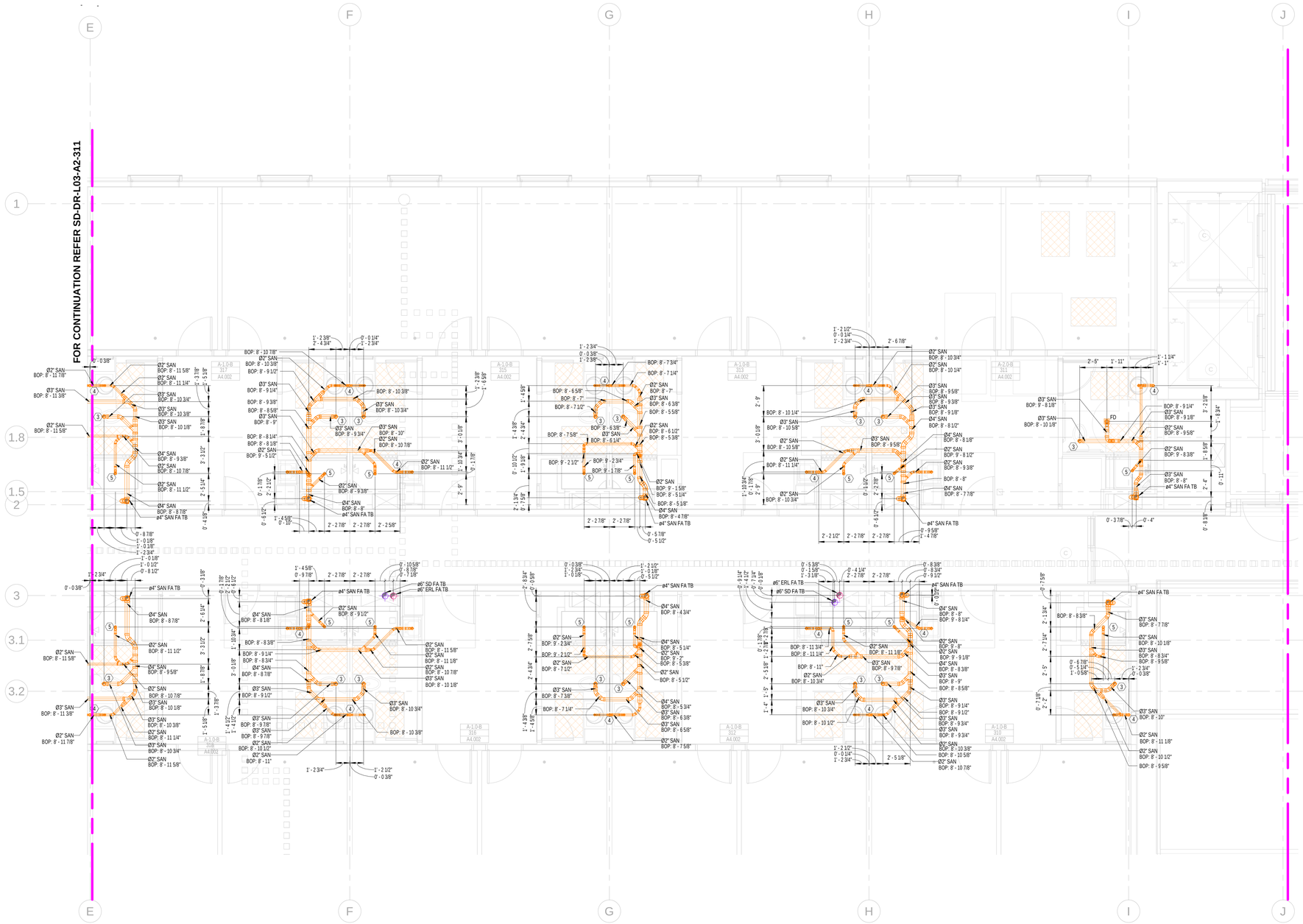
Level 03 Area A1 Drainage Layout

DRAWING NO.

SD-DR-L03-A1-311

Forum # | MMA # 19050

DRAFT



1 Level 03 Area A2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 03 (27'-6").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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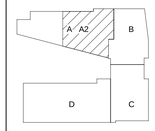
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KEY PLAN:



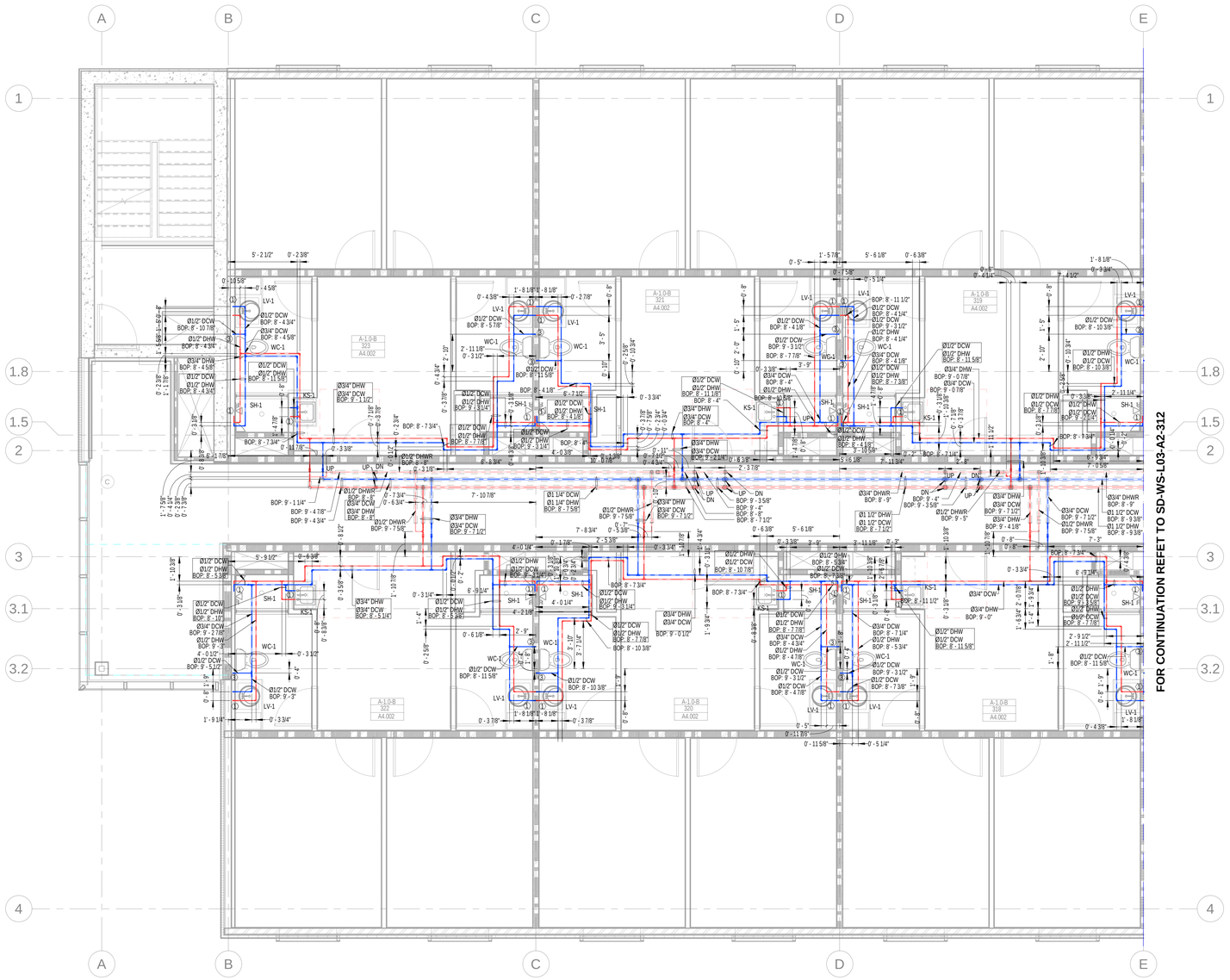
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
	SHOP DRAWING	08-11-2021

DRAWING TITLE
Level 03 Area A2 Drainage Layout

DRAWING NO.
SD-DR-L03-A2-311

Forum # | MMA # 19050



1 Level 03 Area A1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:
1.The BOP is measured from LEVEL 03(27'6").
2.The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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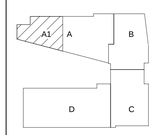
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KEY PLAN:



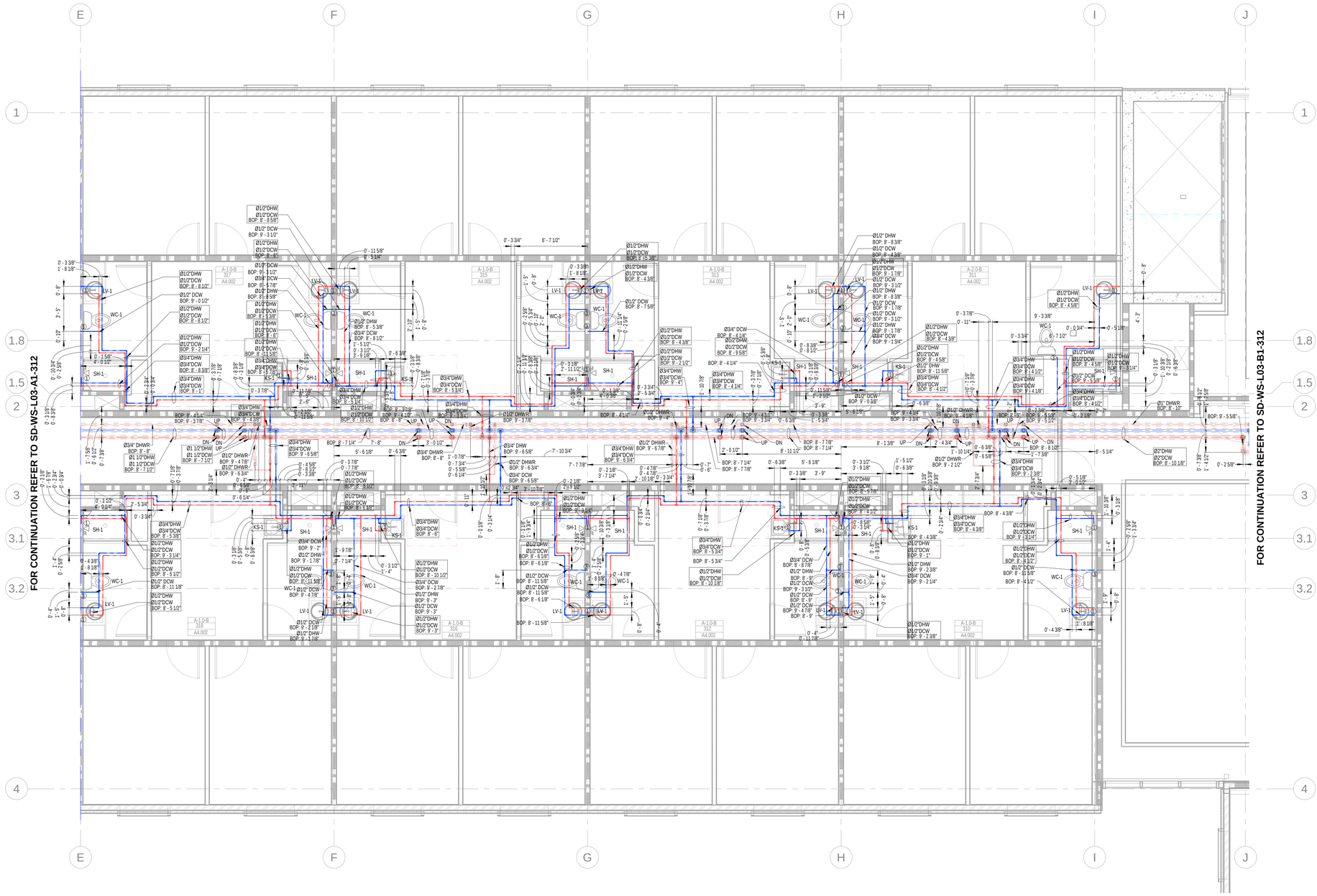
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-19-2021
R1	SHOP DRAWING	09-14-2021
R2	SHOP DRAWING	10-06-2021

DRAWING TITLE
Level 03 Area A1 Water Supply Layout

DRAWING NO.
SD-WS-L03-A1-312

Forum #
MMA # 19050



1 Level 03 Area A2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 03(27'6").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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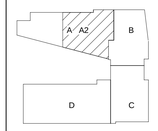
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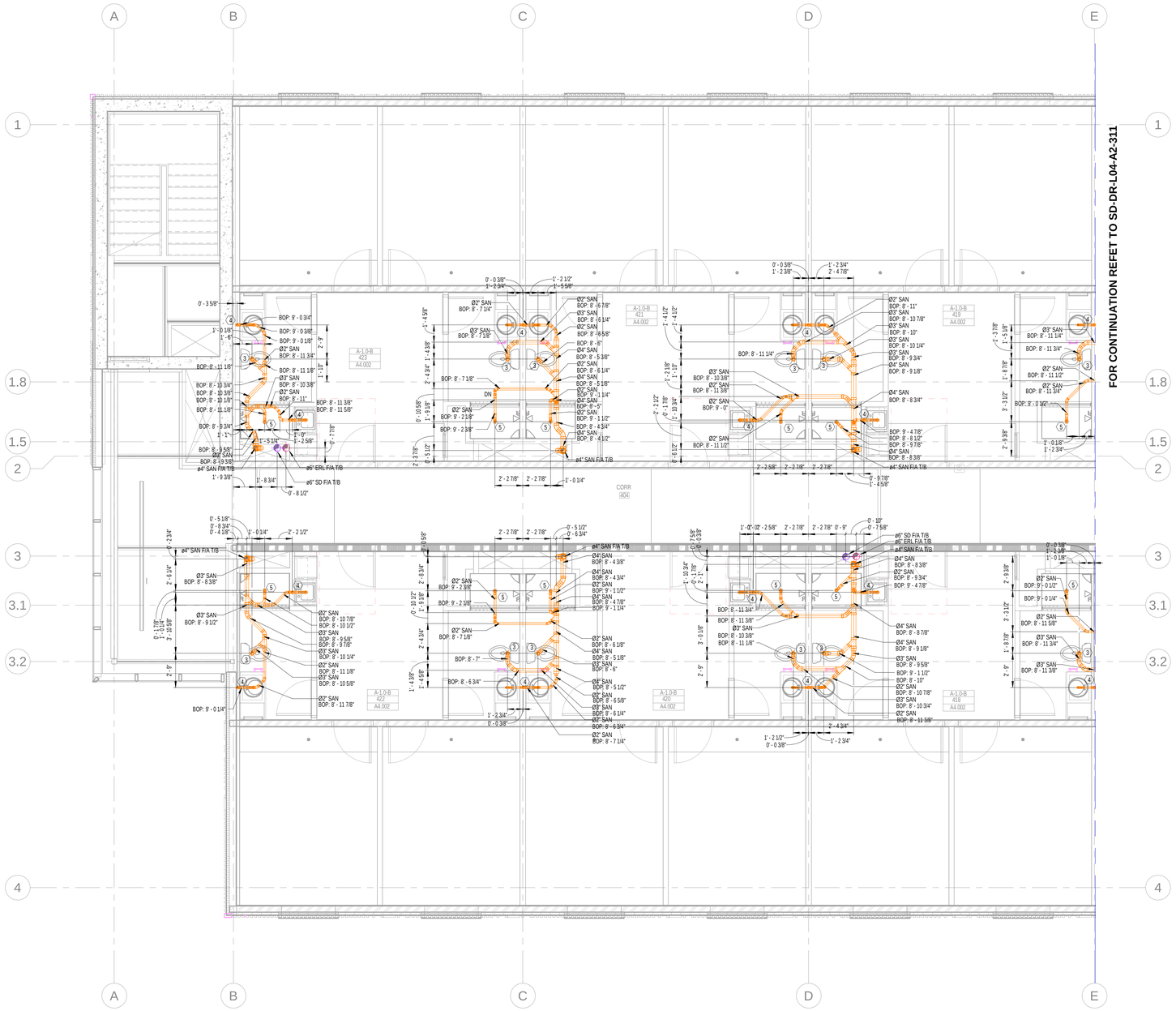
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-19-2021
R1	SHOP DRAWING	09-14-2021
R2	SHOP DRAWING	10-06-2021

DRAWING TITLE
Level 03 Area A2 Water Supply Layout

DRAWING NO.
SD-WS-L03-A2-312

Forum # | MMA # 19050



1 Level 04 Area A1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 04 (38'-0").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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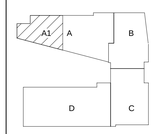
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-20-2021

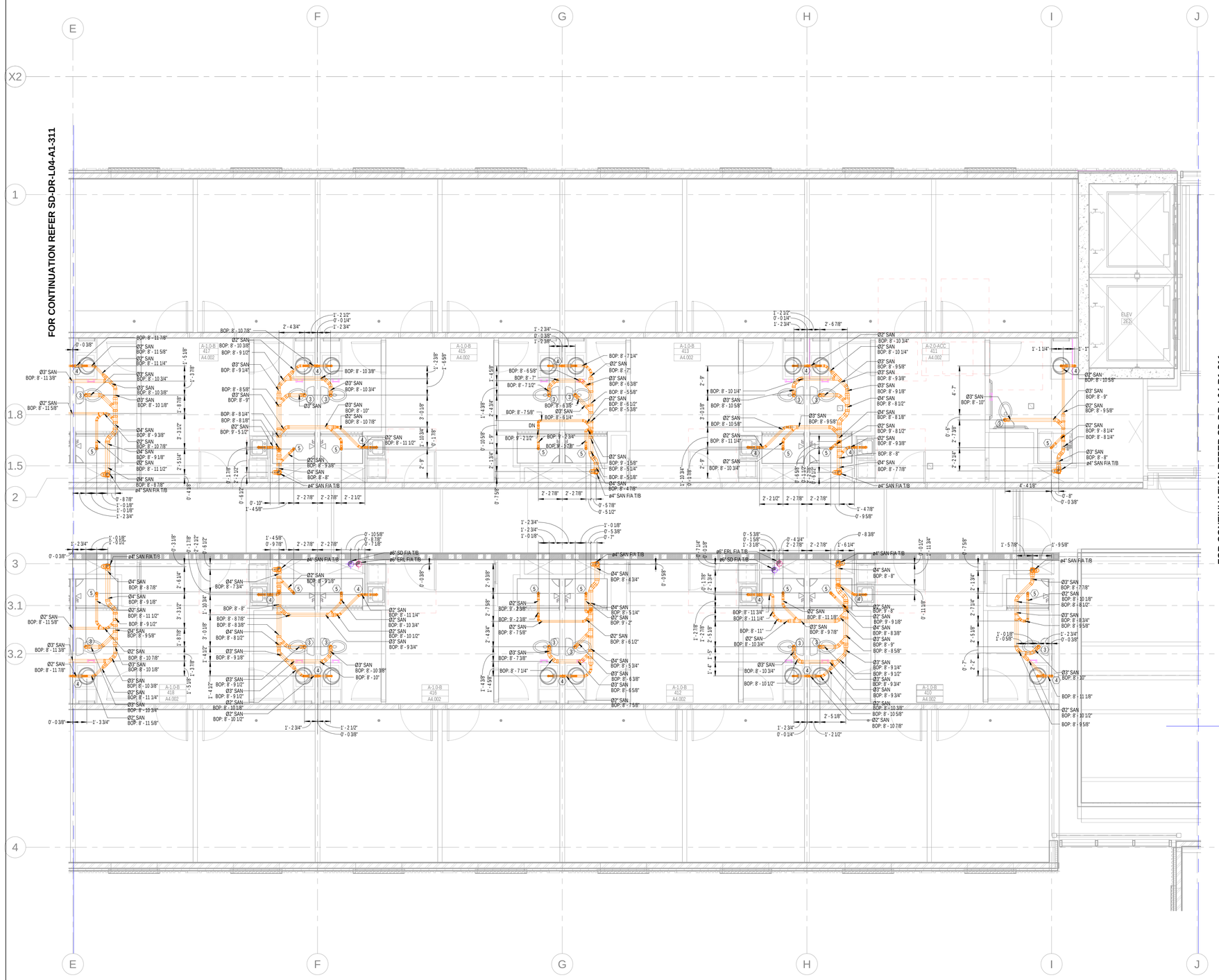
DRAWING TITLE

Level 04 Area A1 Drainage Layout

DRAWING NO.

SD-DR-L04-A1-311

Forum #		MMA #	19050



1 Level 04 Area A2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 04 (38'-0").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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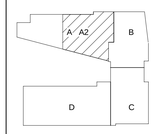
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-20-2021

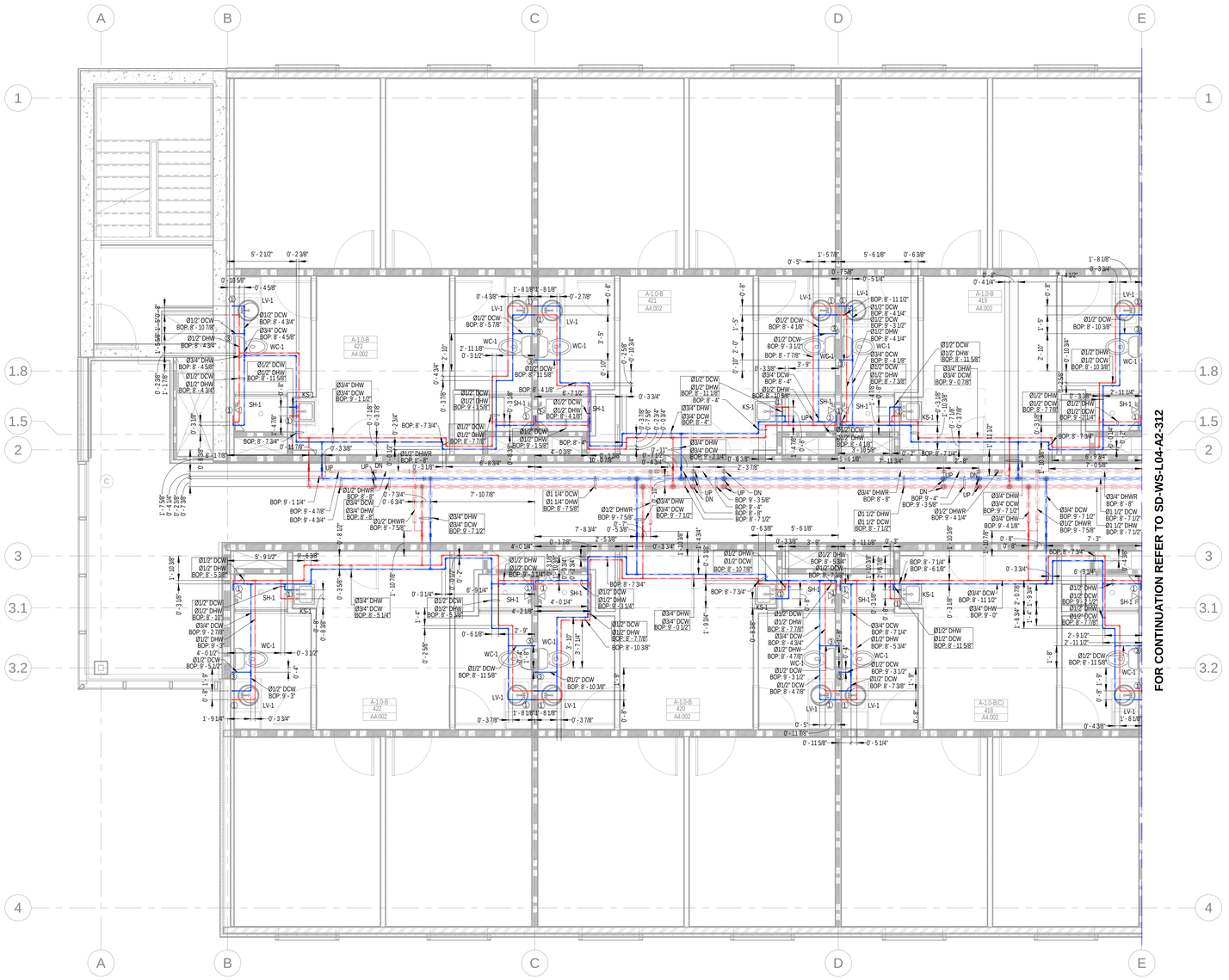
DRAWING TITLE

Level 04 Area A2 Drainage Layout

DRAWING NO.

SD-DR-L04-A2-311

Forum #		MMA #	19050



1 Level 04 Area A1 Water Supply Layout
1/4" = 1'-0"

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

GENERAL NOTES:

1.The BOP is measured from LEVEL 04(38'00").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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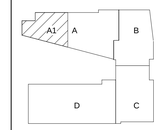
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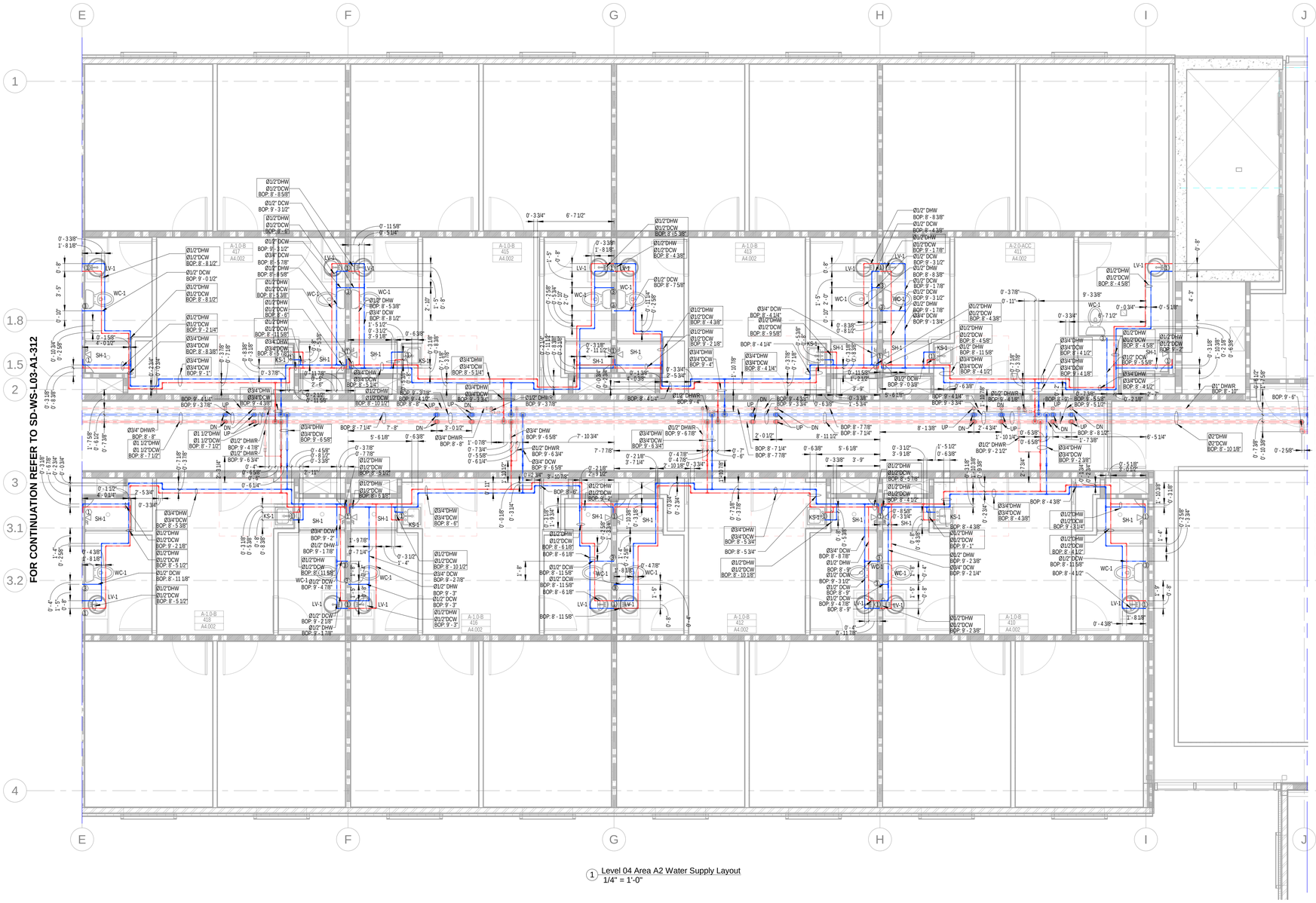
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-14-2021
R1	SHOP DRAWING	10-08-2021

DRAWING TITLE
Level 04 Area A1 Water Supply Layout

DRAWING NO.
SD-WS-L04-A1-312

Forum #
MMA # 19050



1 Level 04 Area A2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 04(38'00").
2. The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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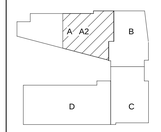
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KEY PLAN:



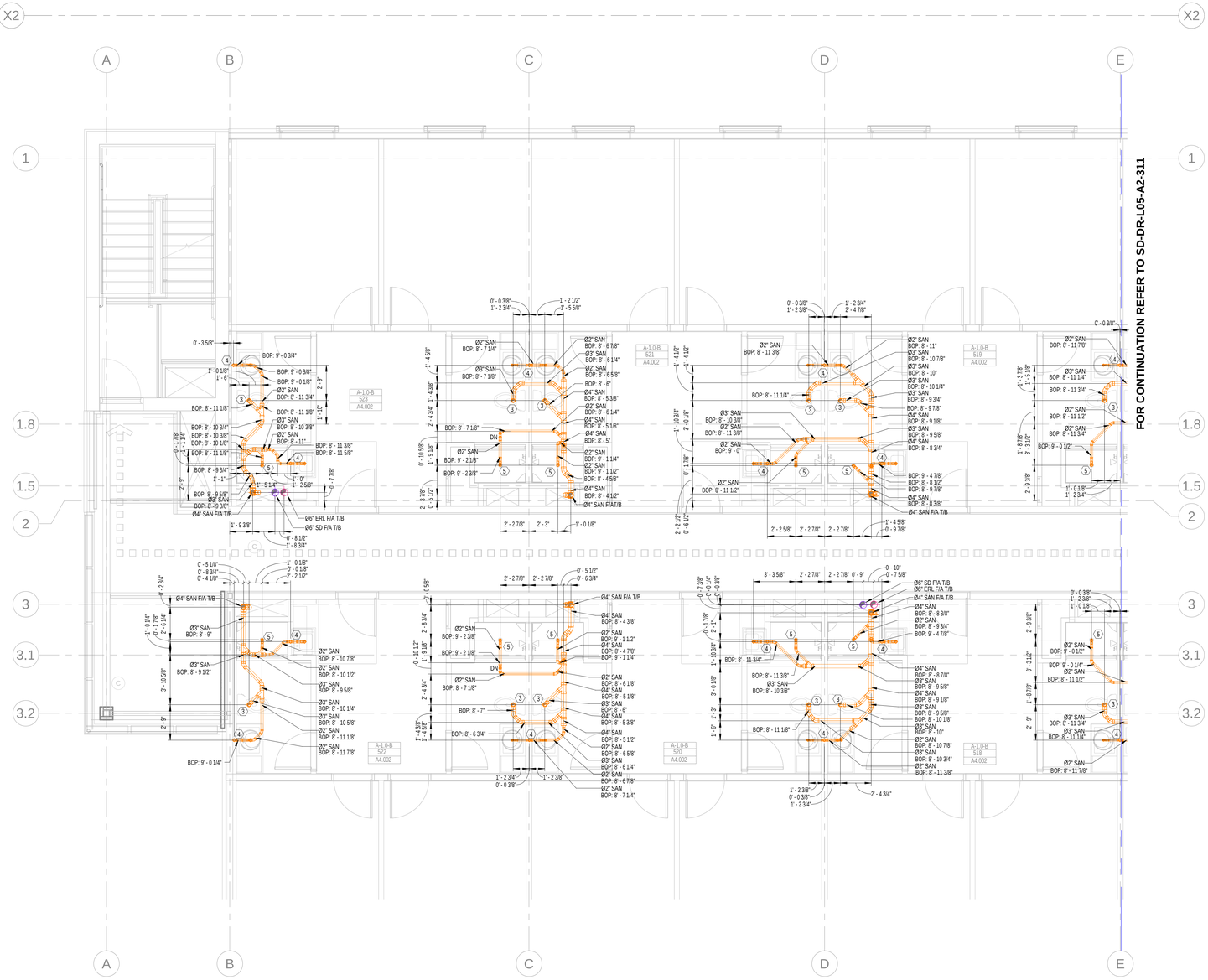
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-14-2021
R1	SHOP DRAWING	10-07-2021

DRAWING TITLE
Level 04 Area A2 Water Supply Layout

DRAWING NO.
SD-WS-L04-A2-312

Forum # | MMA # 19050



1 Level 05 Area A1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 05 (48'-6").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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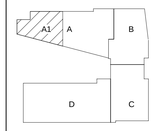
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KEY PLAN:



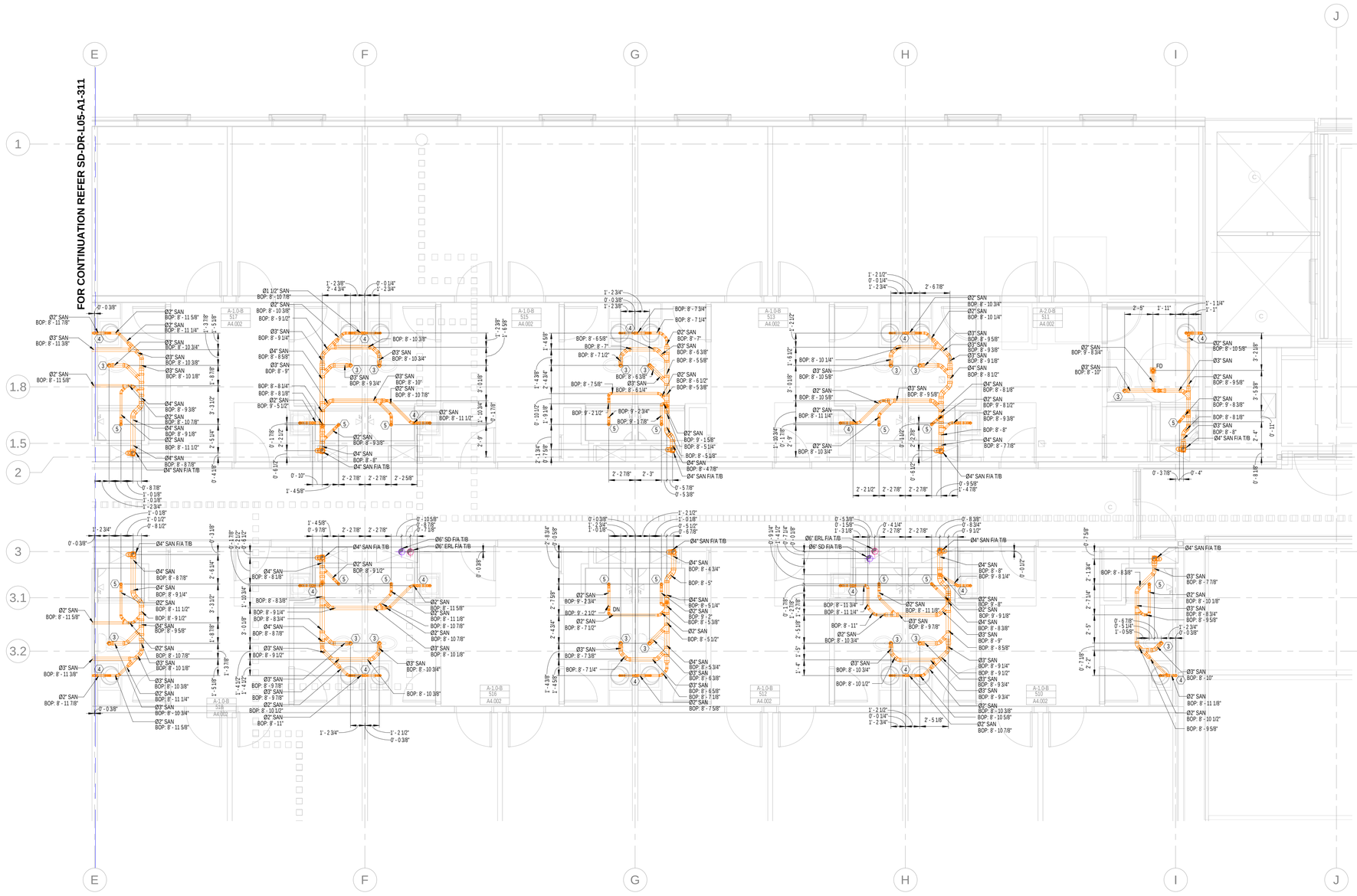
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-07-2021

DRAWING TITLE
Level 05 Area A1 Drainage Layout

DRAWING NO.
SD-DR-L05-A1-311

Forum #		MMA #	19050



1 Level 05 Area A2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 05 (48'-6").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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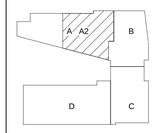
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-07-2021

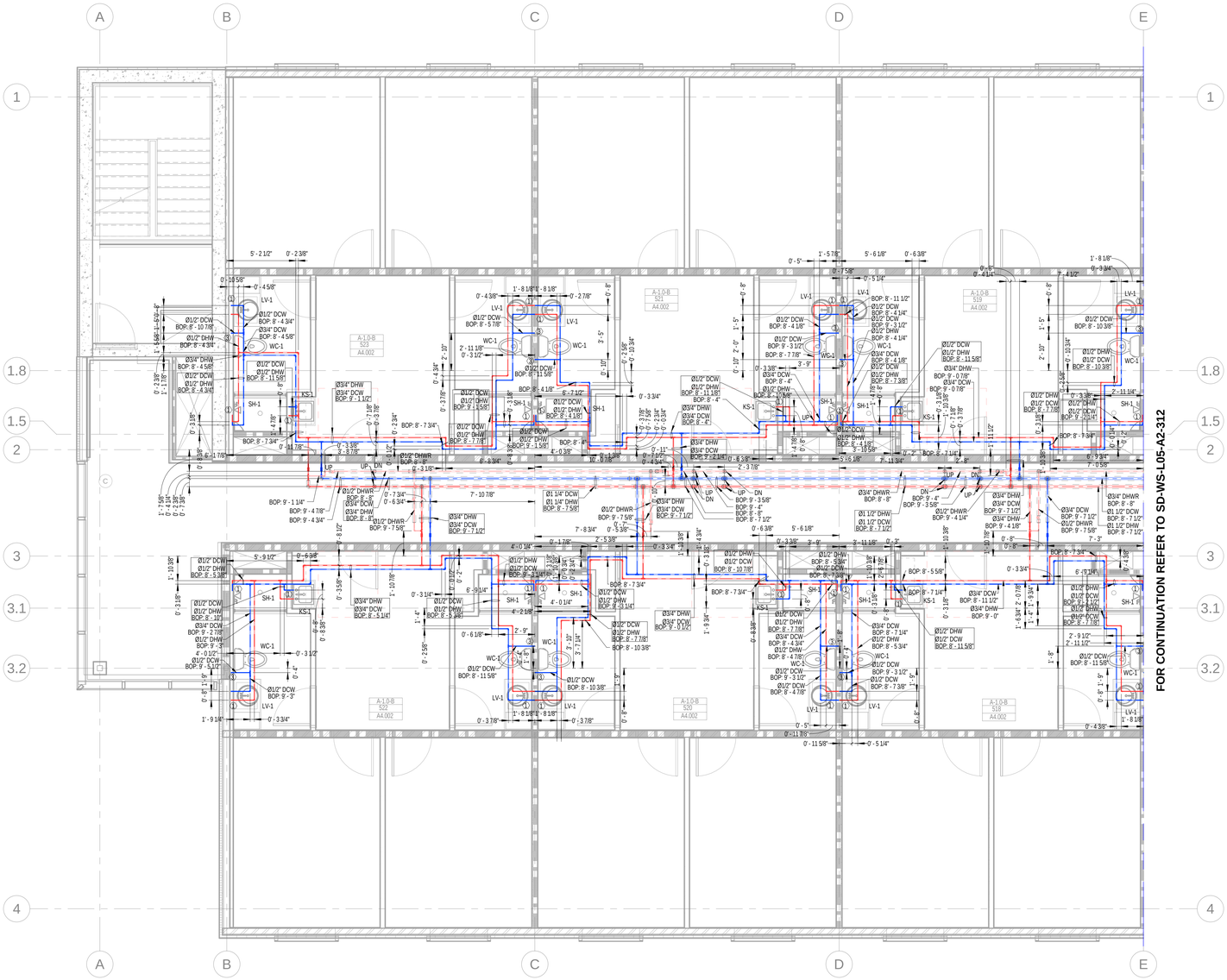
DRAWING TITLE

Level 05 Area A2 Drainage Layout

DRAWING NO.

SD-DR-L05-A2-311

Forum #		MMA #	19050



1 Level 05 Area A1 Water Supply Layout
1/4" = 1'-0"

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

GENERAL NOTES:

1. The BOP is measured from LEVEL 05(48'6").
2. The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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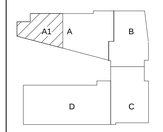
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KEY PLAN:



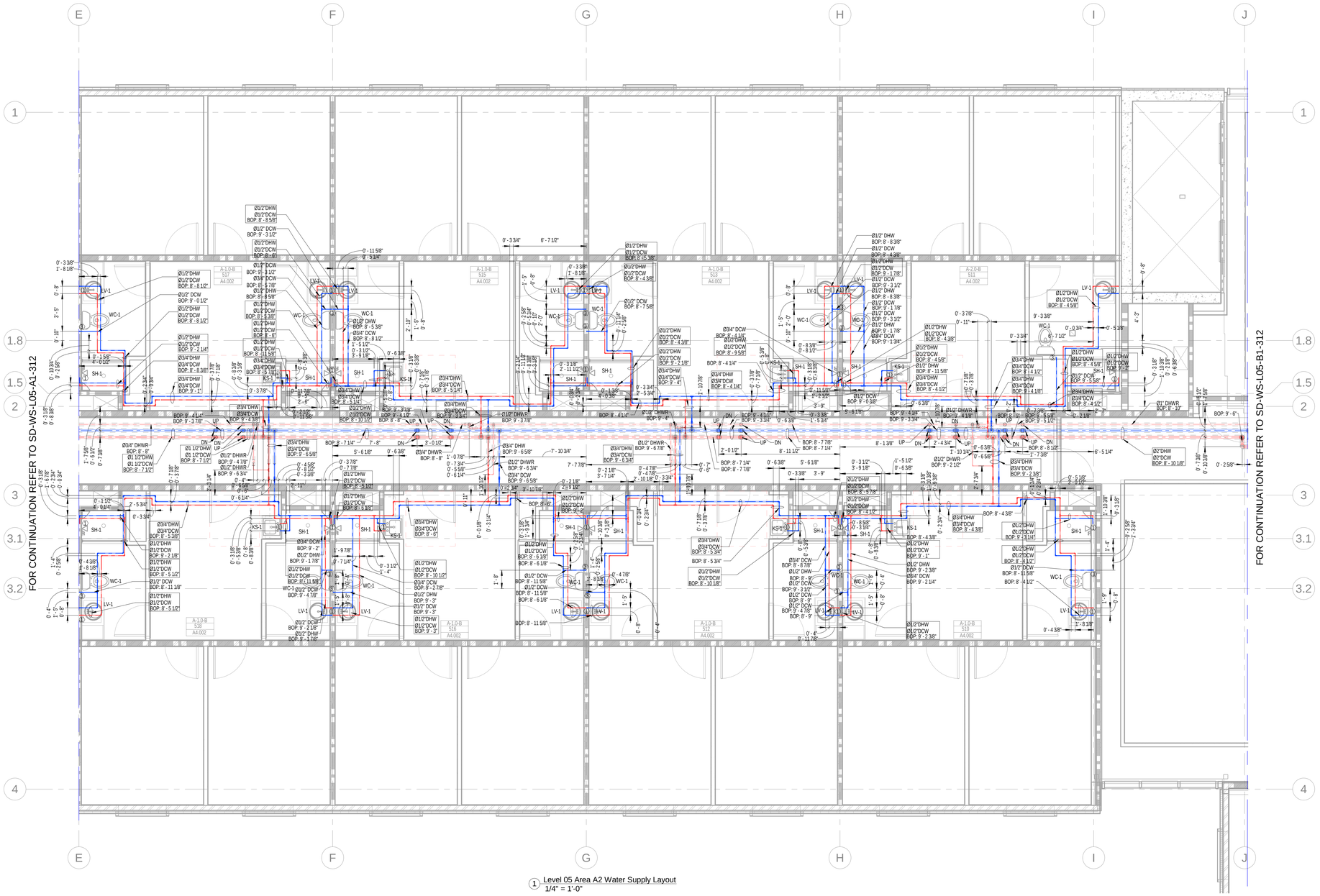
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-07-2021

DRAWING TITLE
Level 05 Area A1 Water Supply Layout

DRAWING NO.
SD-WS-L05-A1-312

Forum # | MMA # 19050



1 Level 05 Area A2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 05(48'6").
2. The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

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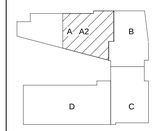
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-08-2021

DRAWING TITLE

Level 05 Area A2 Water Supply Layout

DRAWING NO.

SD-WS-L05-A2-312

Forum #		MMA #	19050



1 Level 06 Area A1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 06 (59'-0").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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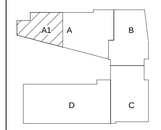
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KEY PLAN:



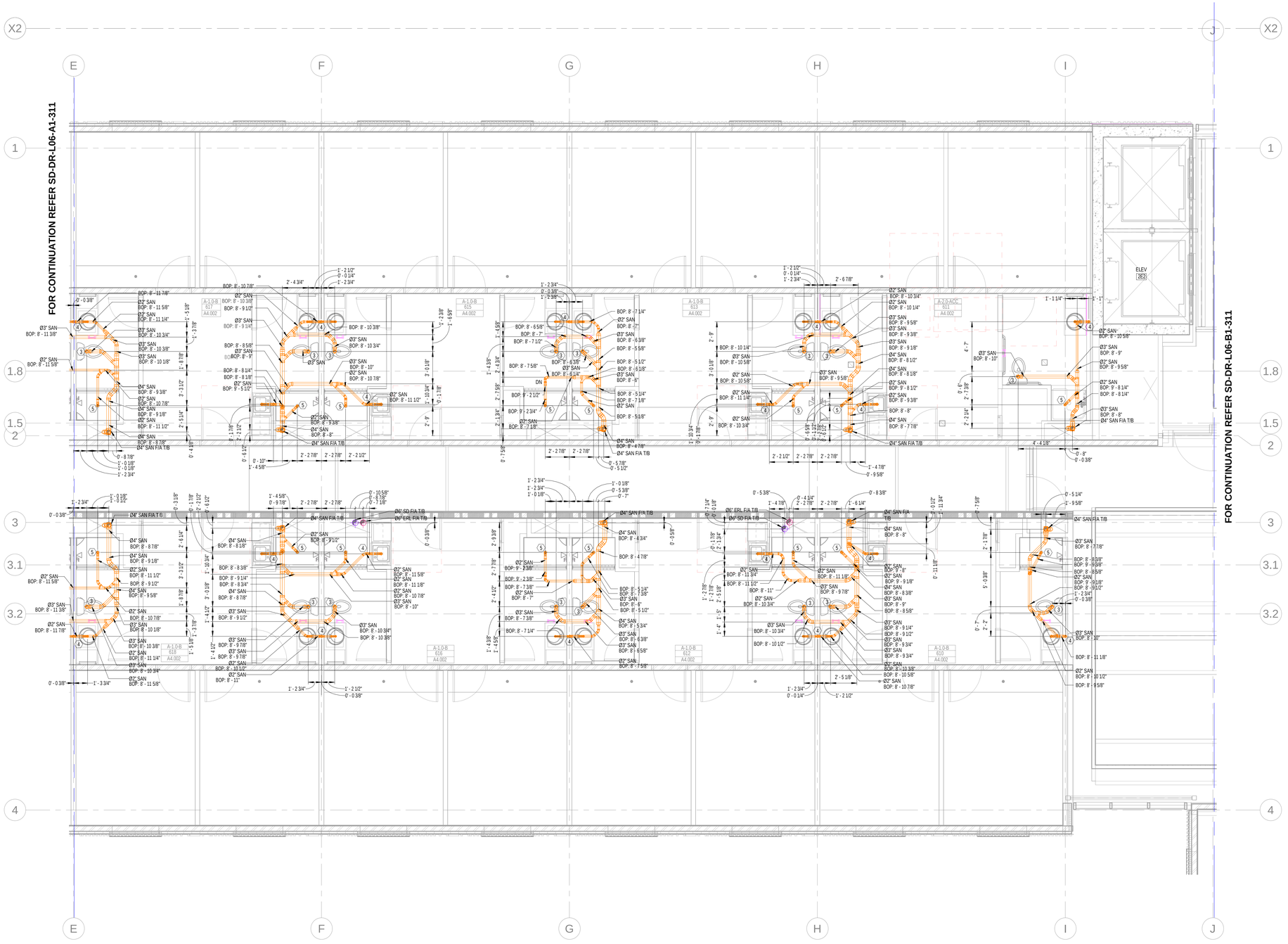
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-13-2021

DRAWING TITLE
Level 06 Area A1 Drainage Layout

DRAWING NO.
SD-DR-L06-A1-311

Forum #		MMA #	19050



1 Level 06 Area A2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 06 (59'-0").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
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F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
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ERL	EMERGENCY RAIN LEADER
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WB	WASHER BOX

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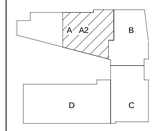
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KEY PLAN:



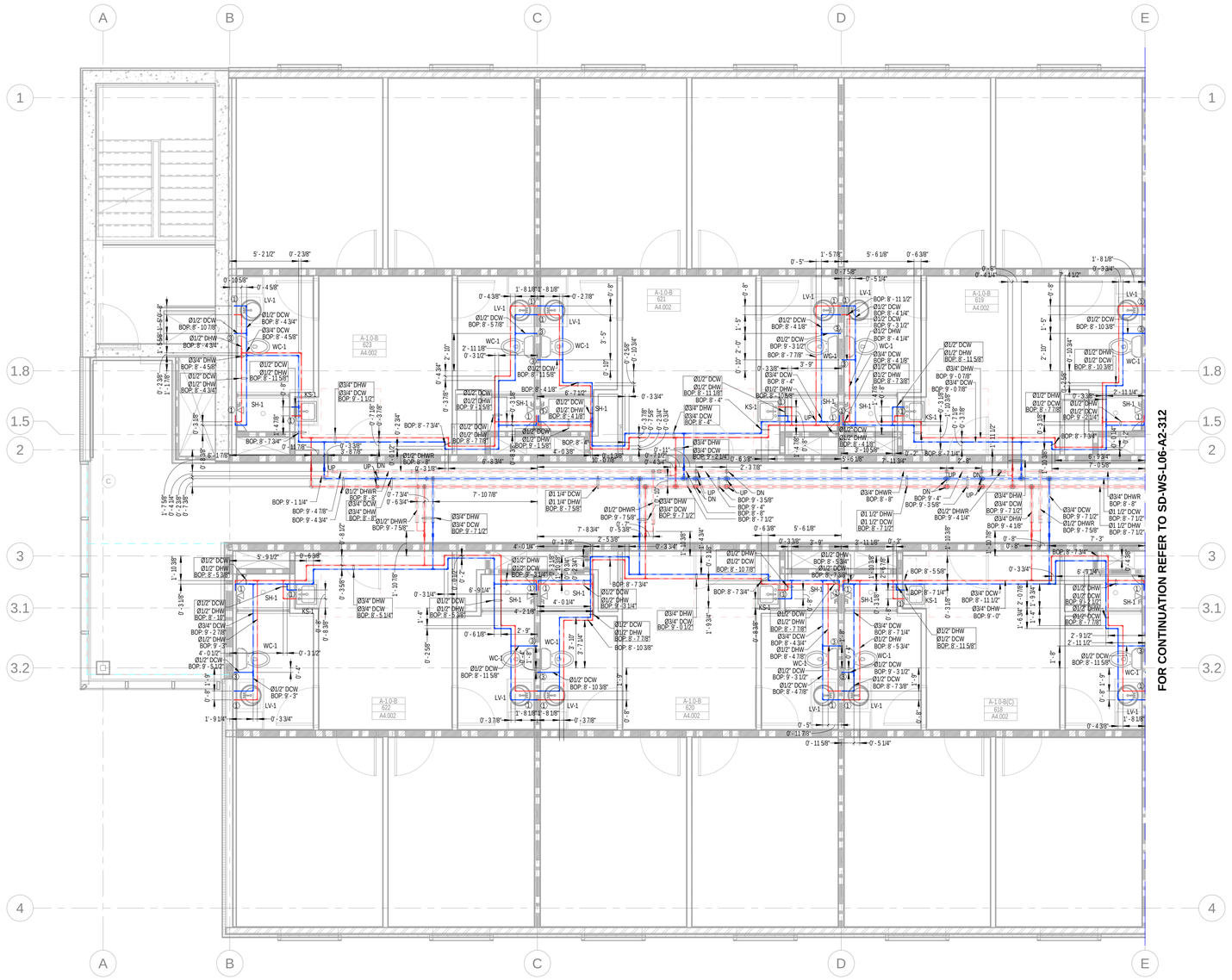
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST, ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-13-2021

DRAWING TITLE
Level 06 Area A2 Drainage Layout

DRAWING NO.
SD-DR-L06-A2-311

Forum #		MMA #	19050



1 Level 06 Area A1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 06(59'00").
2. The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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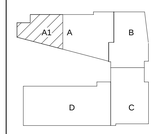
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

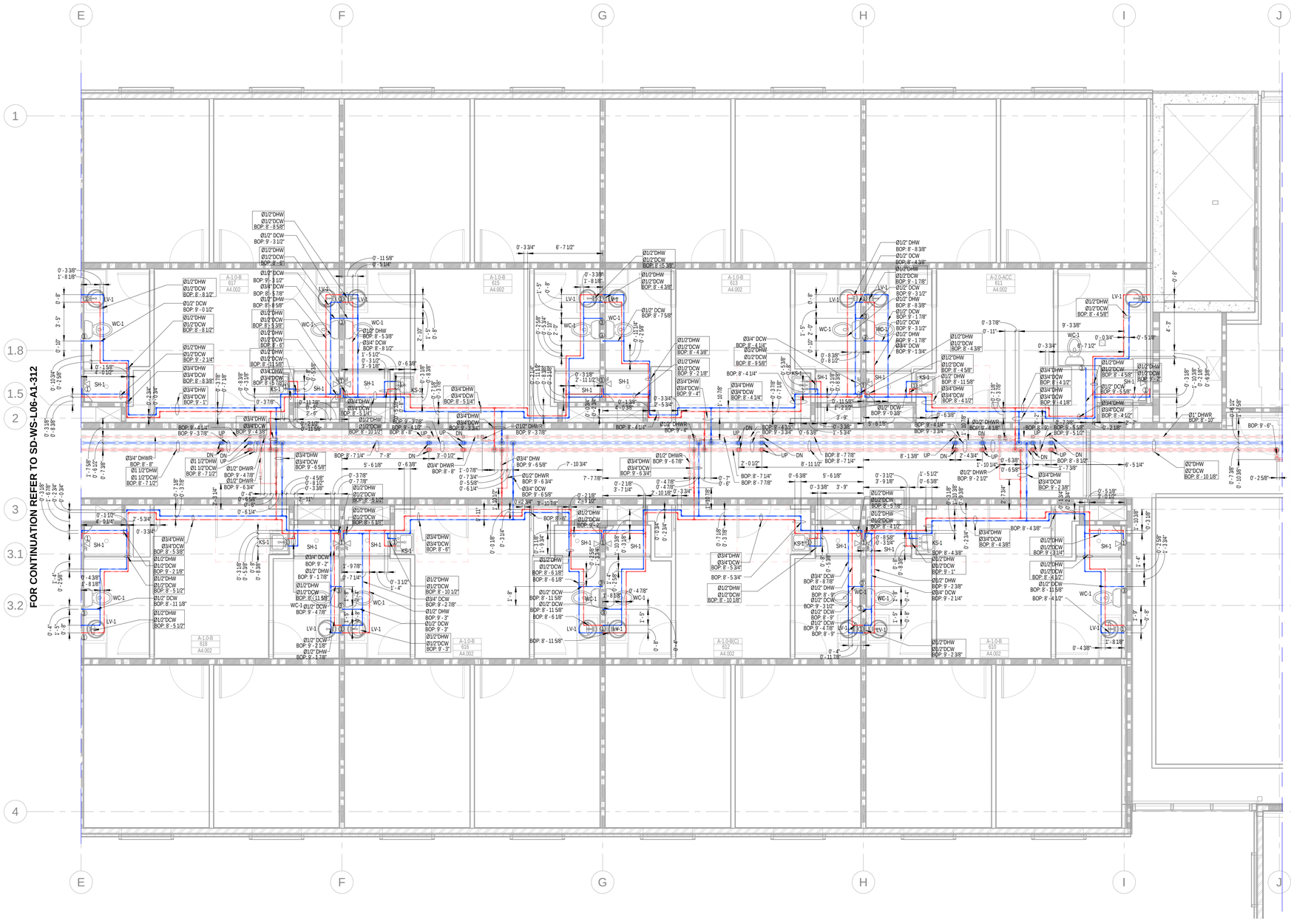
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-08-2021

DRAWING TITLE
Level 06 Area A1 Water Supply Layout

DRAWING NO.
SD-WS-L06-A1-312

Forum # | | MMA # 19050



1 Level 06 Area A2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 06(59'00").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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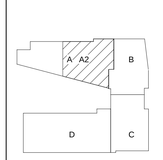
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KEY PLAN:



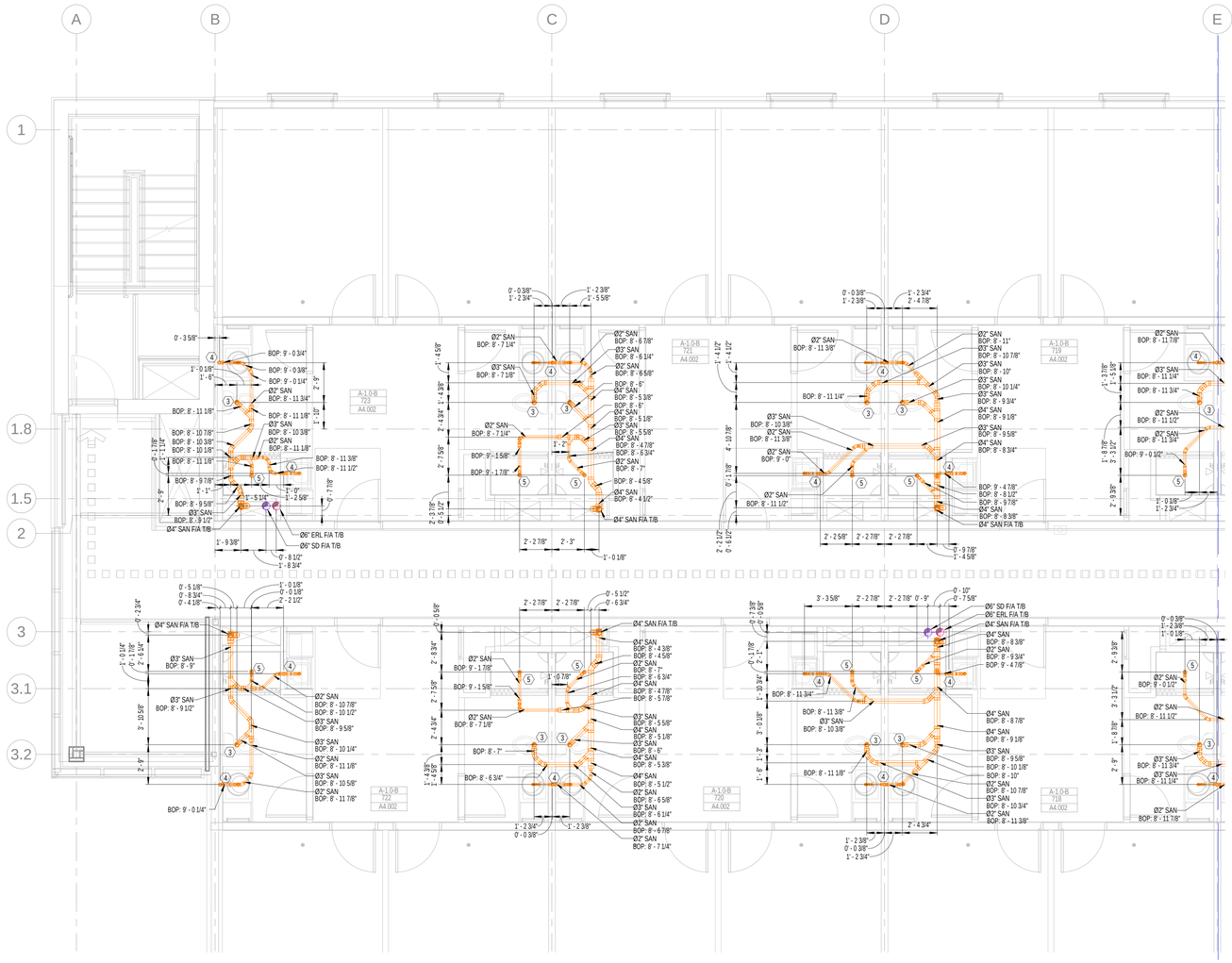
SCAD CAMPUS DEVELOPMENT
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-08-2021

DRAWING TITLE
Level 06 Area A2 Water Supply Layout

DRAWING NO.
SD-WS-L06-A2-312

Forum # | | MMA # 19050



1 Level 07 Area A1 Drainage Layout
1/4" = 1'-0"

FOR CONTINUATION REFET TO SD-DR-L07-A2-311

GENERAL NOTES:

1.The BOP is measured from LEVEL 07 (69'-6").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

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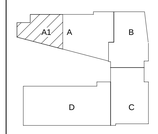
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST, ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-13-2021

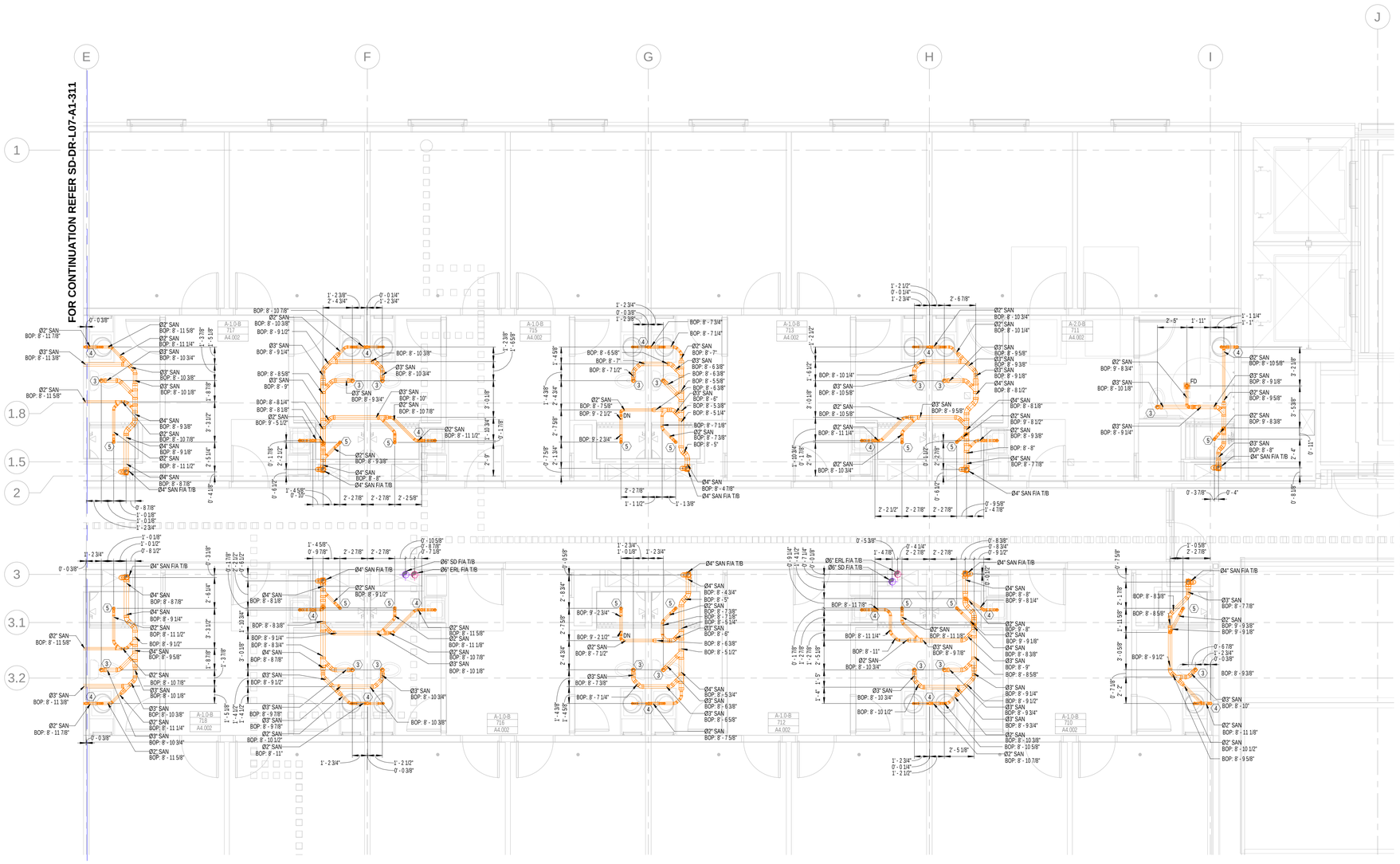
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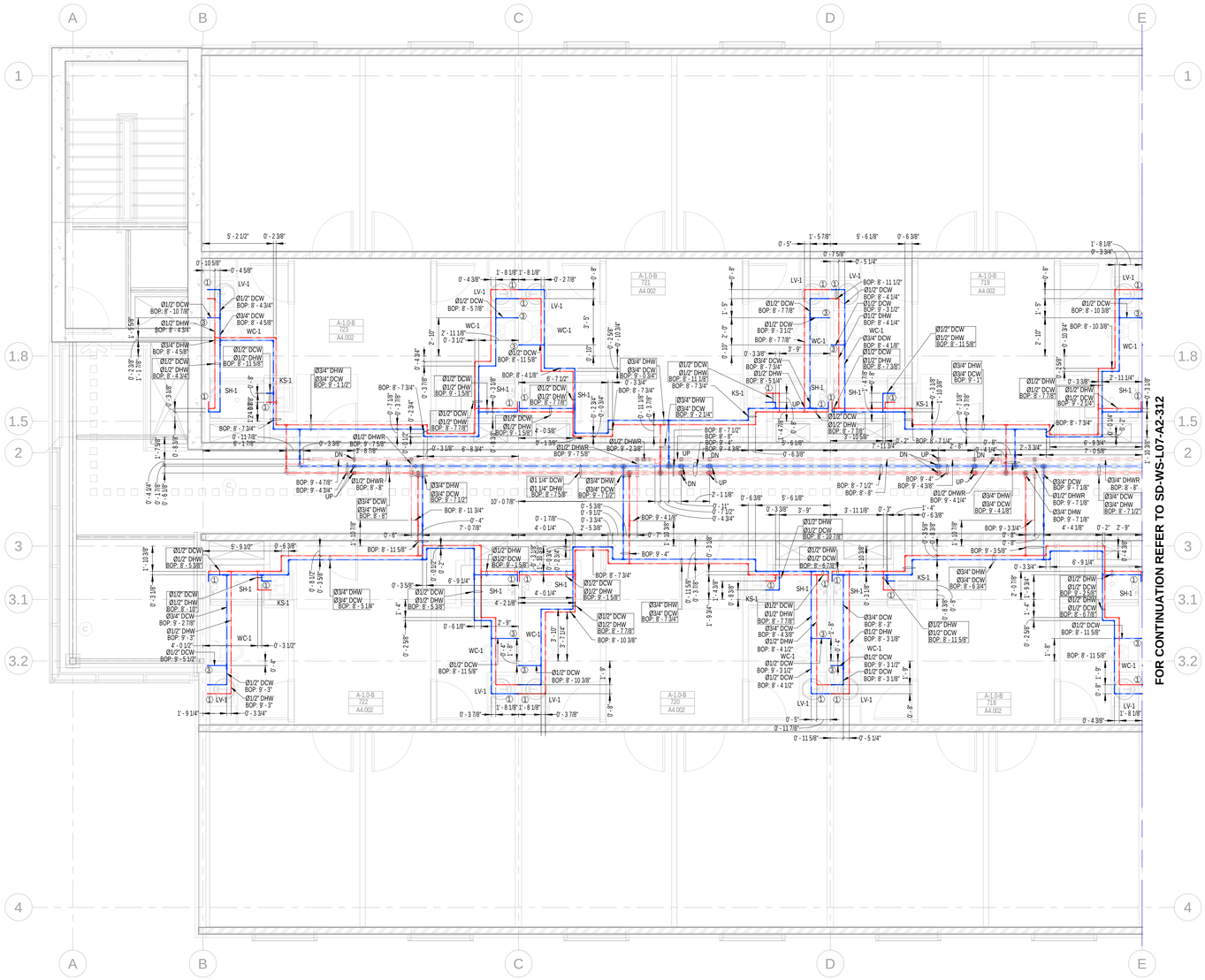
Level 07 Area A1 Drainage Layout

DRAWING NO.

SD-DR-L07-A1-311

Forum #		MMA #	19050


E
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1
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3.1
3.2
FOR CONTINUATION REFER SD-DR-L07-A1-311
FOR CONTINUATION REFER SD-DR-L07-B1-311
A-1.0-B 717 A4.002
A-1.0-B 715 A4.002
A-1.0-B 713 A4.002
A-2.0-B 711 A4.002
A-1.0-B 716 A4.002
A-1.0-B 712 A4.002
A-1.0-B 710 A4.002
Ø2" SAN BOP: 8' - 11 7/8"
Ø2" SAN BOP: 8' - 11 5/8"
Ø2" SAN BOP: 8' - 11 1/4"
Ø3" SAN BOP: 8' - 11 3/8"
Ø3" SAN BOP: 8' - 10 3/4"
Ø2" SAN BOP: 8' - 10 3/8"
Ø3" SAN BOP: 8' - 10 1/8"
Ø4" SAN BOP: 8' - 9 3/8"
Ø2" SAN BOP: 8' - 10 7/8"
Ø4" SAN BOP: 8' - 9 1/8"
Ø2" SAN BOP: 8' - 11 1/2"
Ø4" SAN BOP: 8' - 8 7/8"
Ø4" SAN F/A T/B
Ø2" SAN BOP: 8' - 10 1/2"
Ø2" SAN BOP: 8' - 11"
Ø3" SAN BOP: 8' - 10 3/4"
Ø2" SAN BOP: 8' - 11 5/8"
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Ø3" SAN BOP: 8' - 10 1/8"
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Ø2" SAN BOP: 8' - 11 1/8"
Ø3" SAN BOP: 8' - 10 1/8"
Ø2" SAN BOP: 8' - 10 7/8"
Ø3" SAN BOP: 8' - 9 3/4"
Ø3" SAN BOP: 8' - 10"
Ø2" SAN BOP: 8' - 10 7/8"
Ø2" SAN BOP: 8' - 11 1/2"
Ø4" SAN BOP: 8' - 8"
Ø4" SAN F/A T/B
Ø6" SD F/A T/B
Ø6" ERL F/A T/B
Ø2" SAN BOP: 8' - 11 5/8"
Ø2" SAN BOP: 8' - 11 1/8"
Ø2" SAN BOP: 8' - 10 7/8"
Ø3" SAN BOP: 8' - 10 1/8"
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Ø3" SAN BOP: 8' - 10 3/8"
Ø2" SAN BOP: 8' - 11"
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Ø2" SAN BOP: 8' - 11 1/4"
Ø3" SAN BOP: 8' - 10 1/2"
Ø2" SAN BOP: 8' - 9 5/8"
Ø2" SAN BOP: 8' - 8 1/8"
Ø2" SAN BOP: 8' - 8 1/2"
Ø2" SAN BOP: 8' - 9 3/8"
Ø4" SAN BOP: 8' - 7 7/8"
Ø4" SAN F/A T/B
Ø2" SAN BOP: 8' - 8 3/4"
Ø2" SAN BOP: 8' - 9 1/8"
Ø3" SAN BOP: 8' - 9 1/4"
Ø4" SAN BOP: 8' - 8 3/8"
Ø3" SAN BOP: 8' - 9 1/2"
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Ø2" SAN BOP: 8' - 8 3/8"
Ø3" SAN BOP: 8' - 9 1/8"
Ø4" SAN F/A T/B
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Ø3" SAN BOP: 8' - 9 1/8"
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Ø3" SAN BOP: 8' - 9 3/8"
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Ø2" SAN BOP: 8' - 11 1/8"
Ø2" SAN BOP: 8' - 10 1/2"
Ø2" SAN BOP: 8' - 9 5/8"
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0' - 0 1/4"
1' - 2 3/4"
0' - 0 3/8"
2' - 6 7/8"
1' - 2 1/2"
0' - 0 1/4"
1' - 2 3/4"
2' - 5"
1' - 11"
1' - 1 1/4"
1' - 1"
0' - 0 3/8"
1' - 2 3/4"
1' - 0 1/8"
0' - 0 1/2"
1' - 2 3/4"
0' - 10 5/8"
0' - 8 7/8"
0' - 7 1/8"
1' - 2 3/4"
1' - 0 1/8"
0' - 0 1/2"
1' - 2 3/4"
0' - 5 3/8"
1' - 4 7/8"
0' - 4 1/4"
2' - 2 7/8"
0' - 8 3/4"
0' - 9 1/2"
0' - 7 5/8"
1' - 4 5/8"
0' - 9 7/8"
2' - 2 7/8"
2' - 2 7/8"
2' - 2 7/8"
1' - 4 5/8"
0' - 10"
1' - 2 3/4"
1' - 2 3/8"
1' - 2 3/4"
1' - 2 3/8"
1' - 2 1/2"
0' - 0 1/4"
1' - 2 3/4"
1' - 2 3/4"
0' - 0 3



FOR CONTINUATION REFER TO SD-WS-L07-A2-312

1 Level 07 Area A1 Water Supply Layout
1/4" = 1'-0"

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

GENERAL NOTES:

1.The BOP is measured from North LEVEL 07(69'-6").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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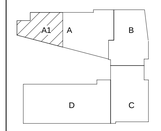
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KEY PLAN:



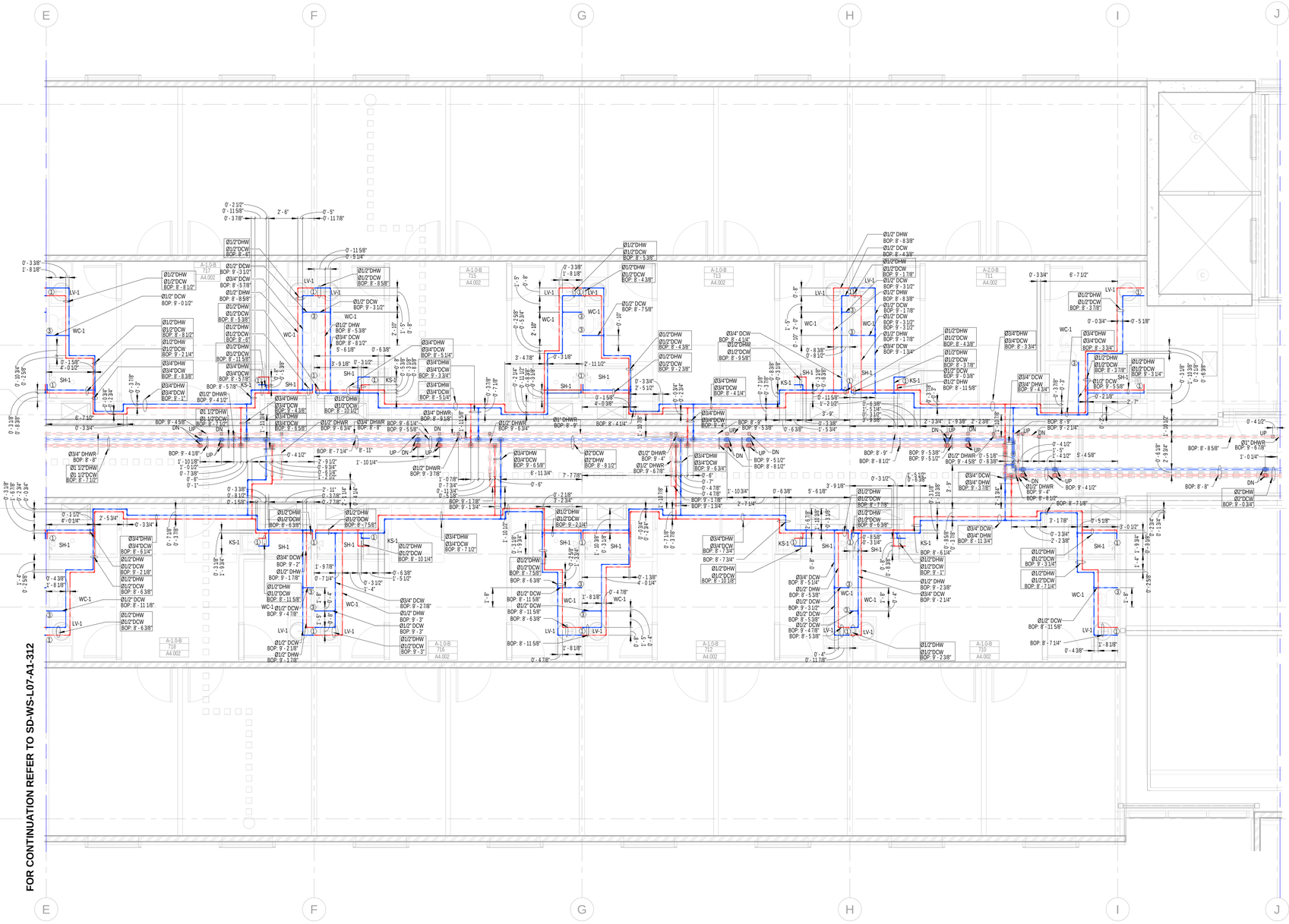
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-26-2021

DRAWING TITLE
Level 07 Area A1 Water Supply Layout

DRAWING NO.
SD-WS-L07-A1-312

Forum # | | MMA # 19050



1 Level 07 Area A2 Water Supply Layout
1/4" = 1'-0"

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

GENERAL NOTES:

1.The BOP is measured from North LEVEL 07(69'-6").
2.The insulation for all pipe sizes is 1".

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

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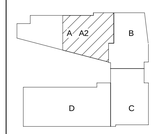
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-26-2021

DRAWING TITLE
Level 07 Area A2 Water Supply Layout

DRAWING NO.
SD-WS-L07-A2-312

Forum # | | MMA # 19050



1 Level 08 Area A1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 08 (80'-0").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & ERL is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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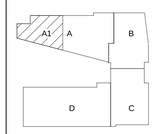
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	11-02-2021

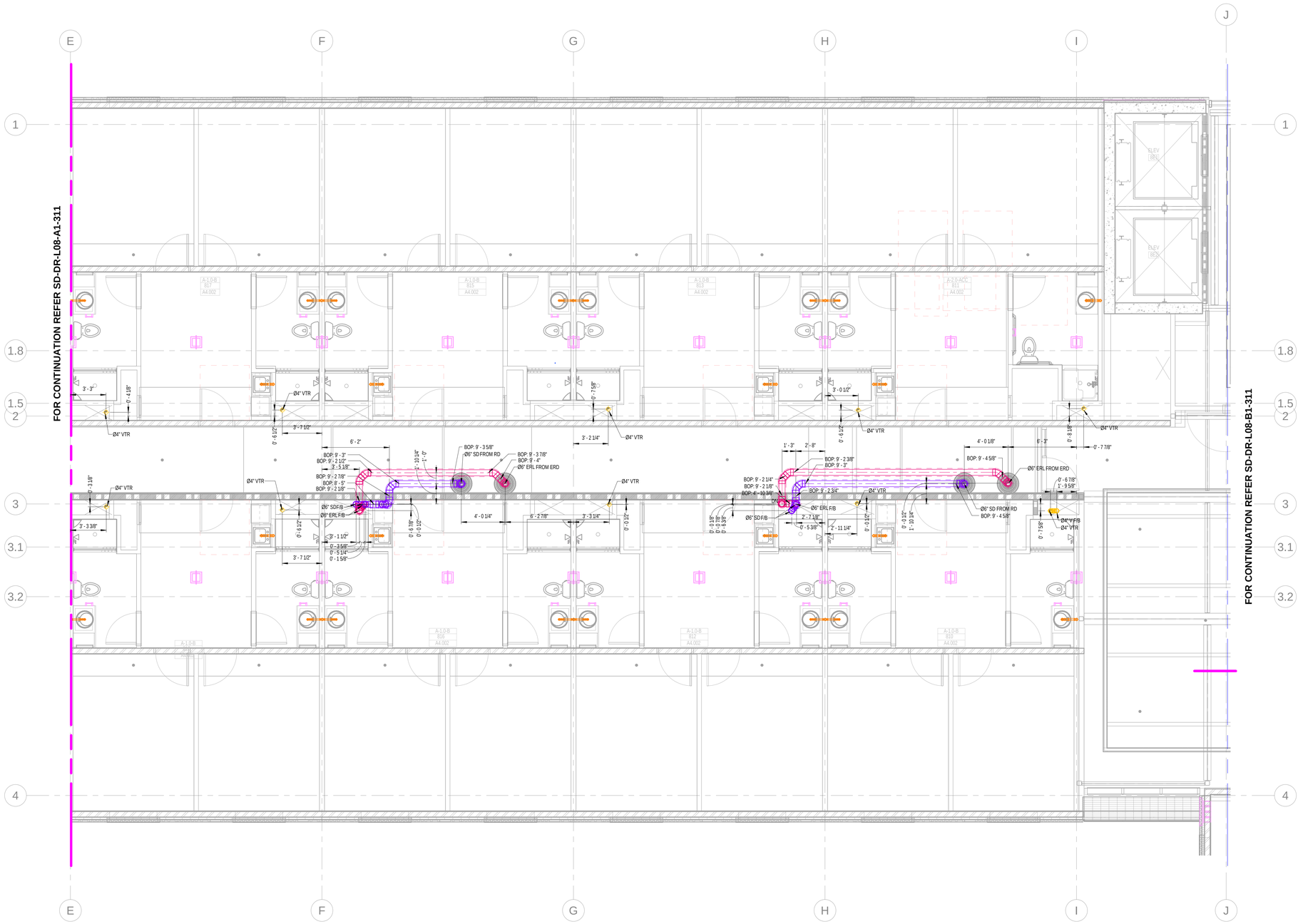
DRAWING TITLE

Level 08 Area A1 Drainage Layout

DRAWING NO.

SD-DR-L08-A1-311

Forum #		MMA #	19050



1 Level 08 Area A2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 08 (80'-0").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & ERL is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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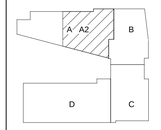
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	11-02-2021

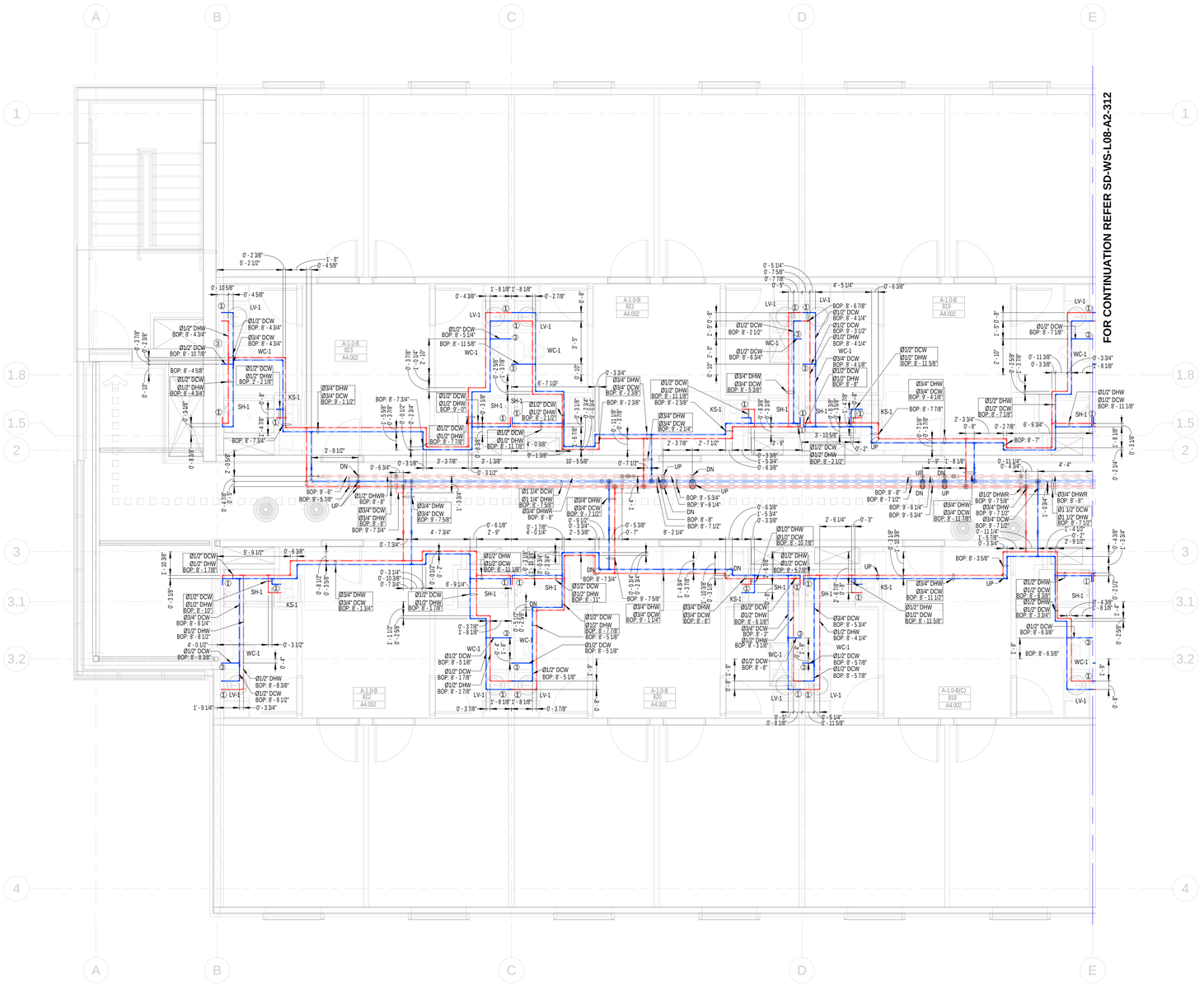
DRAWING TITLE

Level 08 Area A2 Drainage Layout

DRAWING NO.

SD-DR-L08-A2-311

Forum #		MMA #	19050



1 Level 08 Area A1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from North LEVEL 08 (80'-0").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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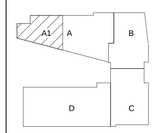
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	11-25-2021

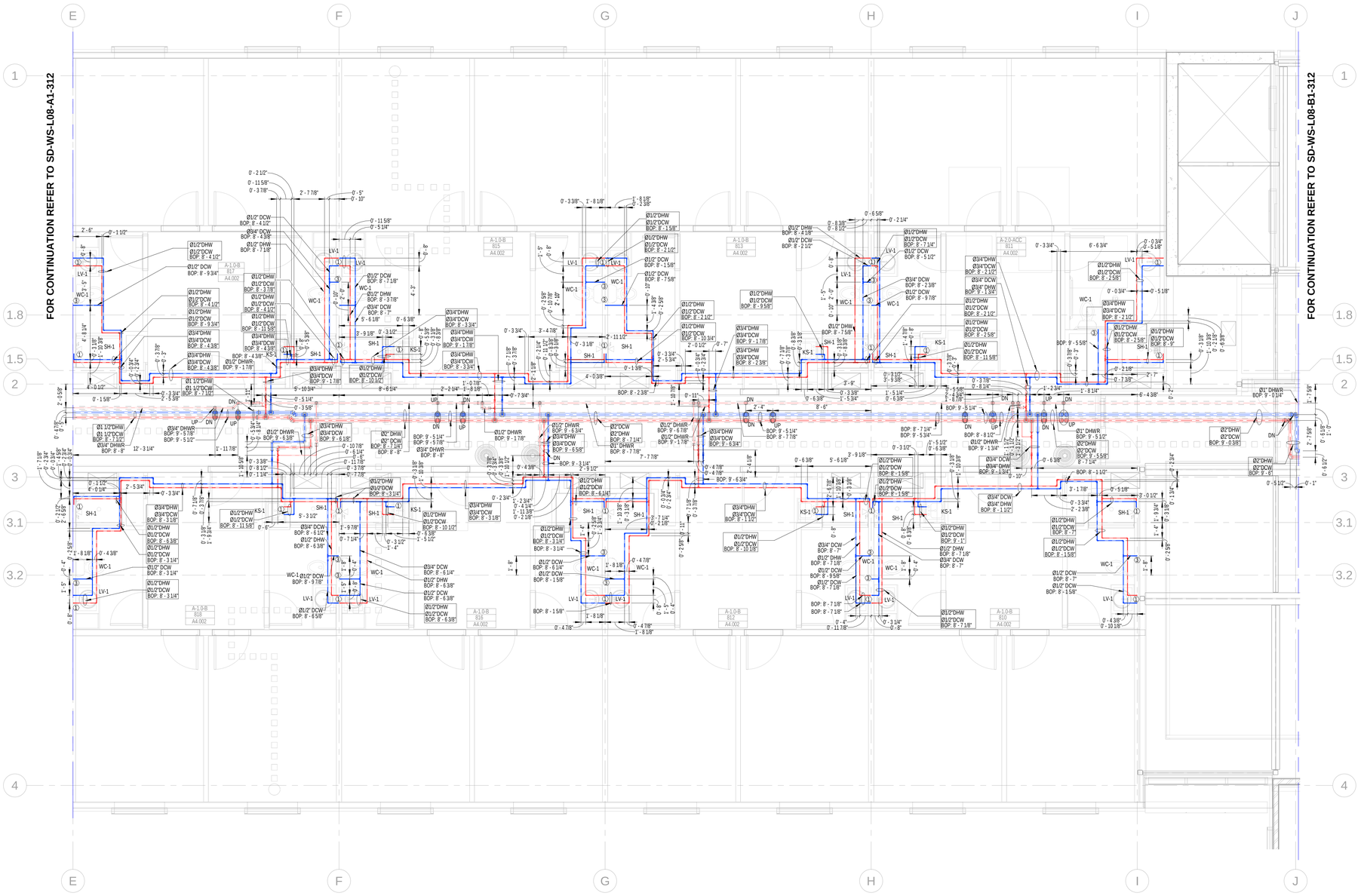
DRAWING TITLE

Level 08 Area A1 Water Supply Layout

DRAWING NO.

SD-WS-L08-A1-312

Forum #		MMA #	19050



1 Level 08 Area A2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from North LEVEL 08 (80'-0").
2. The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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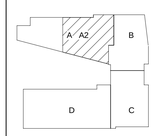
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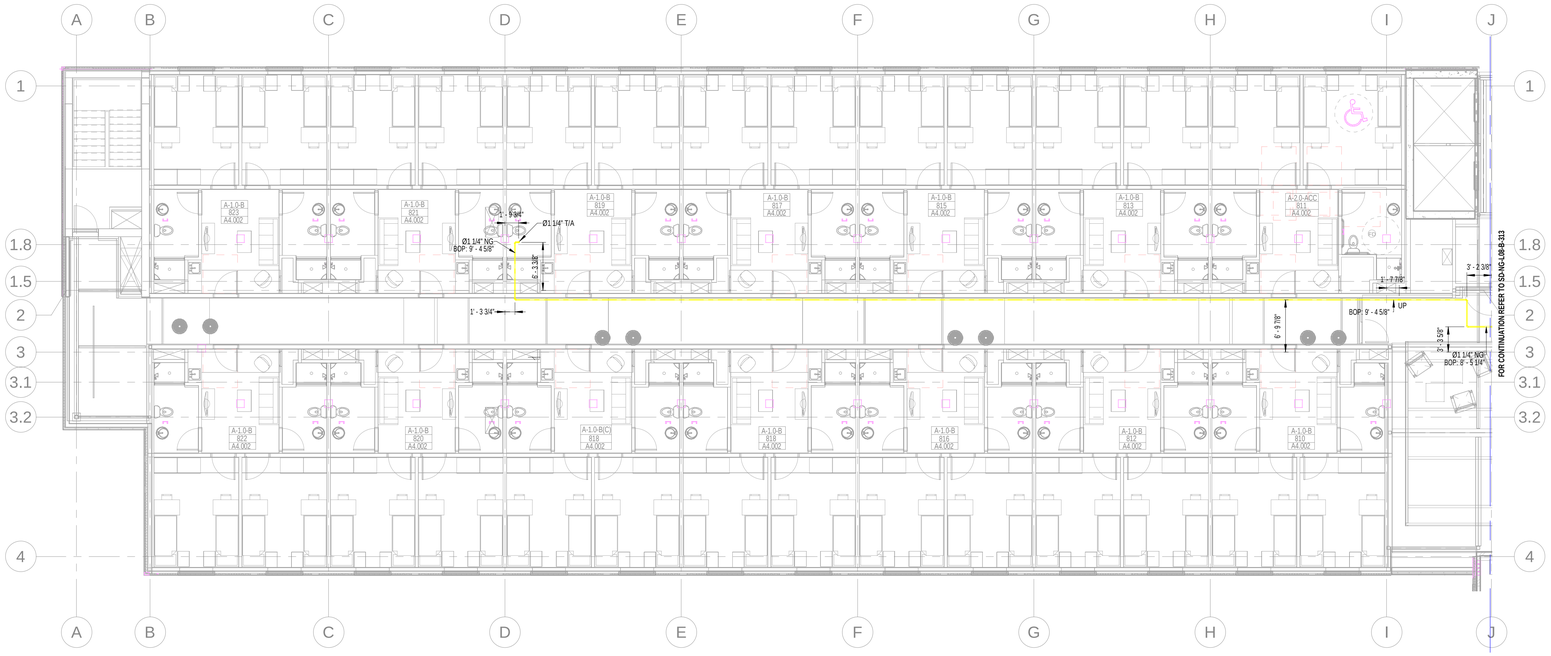
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	11-25-2021

DRAWING TITLE
Level 08 Area A2 Water Supply Layout

DRAWING NO.
SD-WS-L08-A2-312

Forum #
MMA # 19050



1 Level 08 Area A Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 08(80'00").

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS

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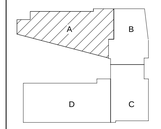
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	11-25-2021

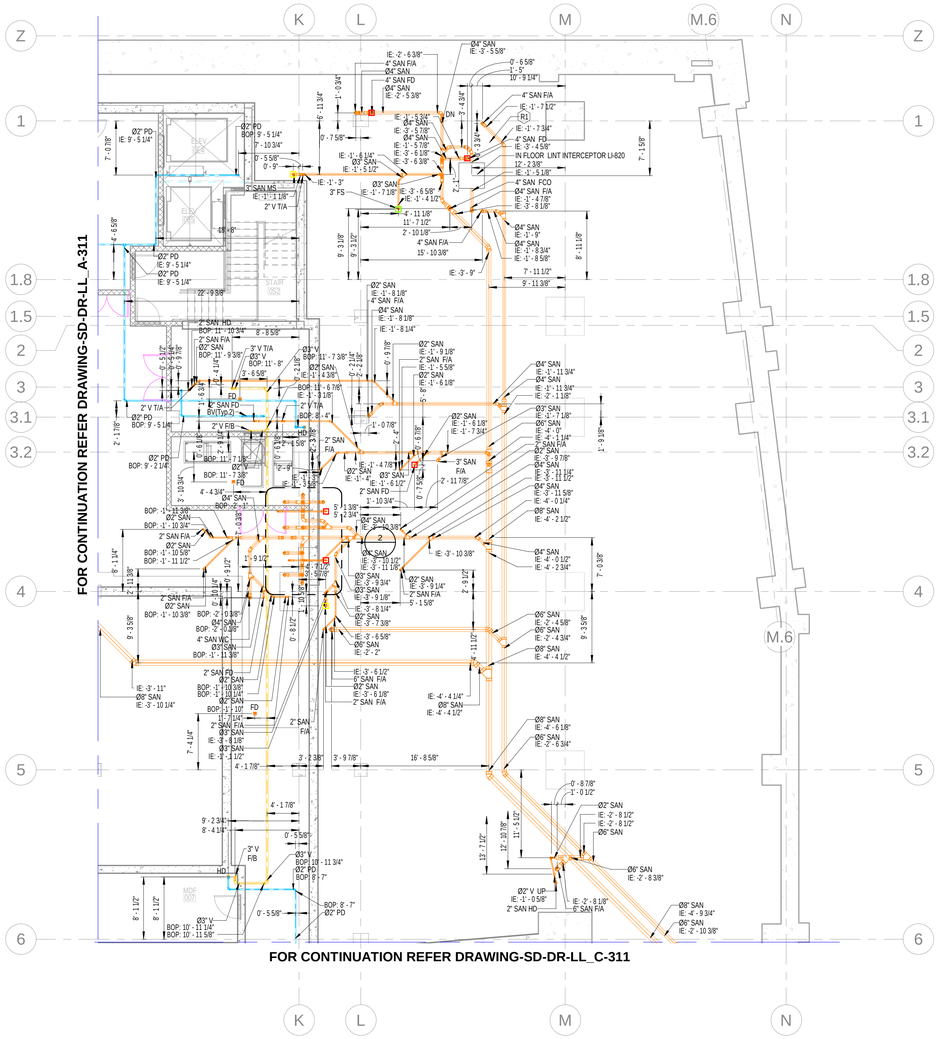
DRAWING TITLE

Level 08 Area A Natural Gas Layout

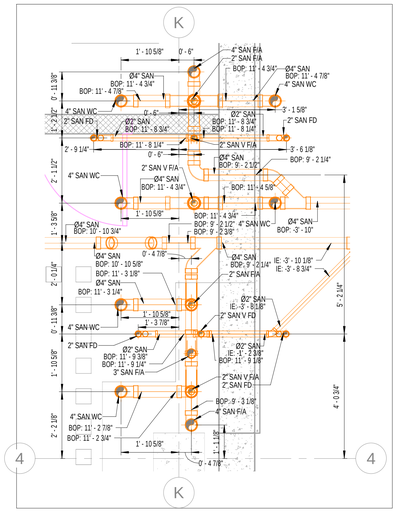
DRAWING NO.

SD-NG-L08-A-313

Forum #		MMA #	19050



1 DRAINAGE-LOWER LEVEL-AREA B SHOP DRAWING
1/8" = 1'-0"



2 ENLARGE VIEW
1/2" = 1'-0"

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK

GENERAL NOTES:

1.The invert elevation(IE) is measured from LEVEL 01 (00' 00") for the pipes outside theTunnel area.
2. The Bottom of Pipe (BOP) is measured from LOWER LEVEL(-13'00) for the pipes in the Tunnel area.
3. The slope for Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
4. The slope for Storm Drain is 1% for all sizes.

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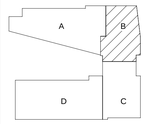
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KEY PLAN:



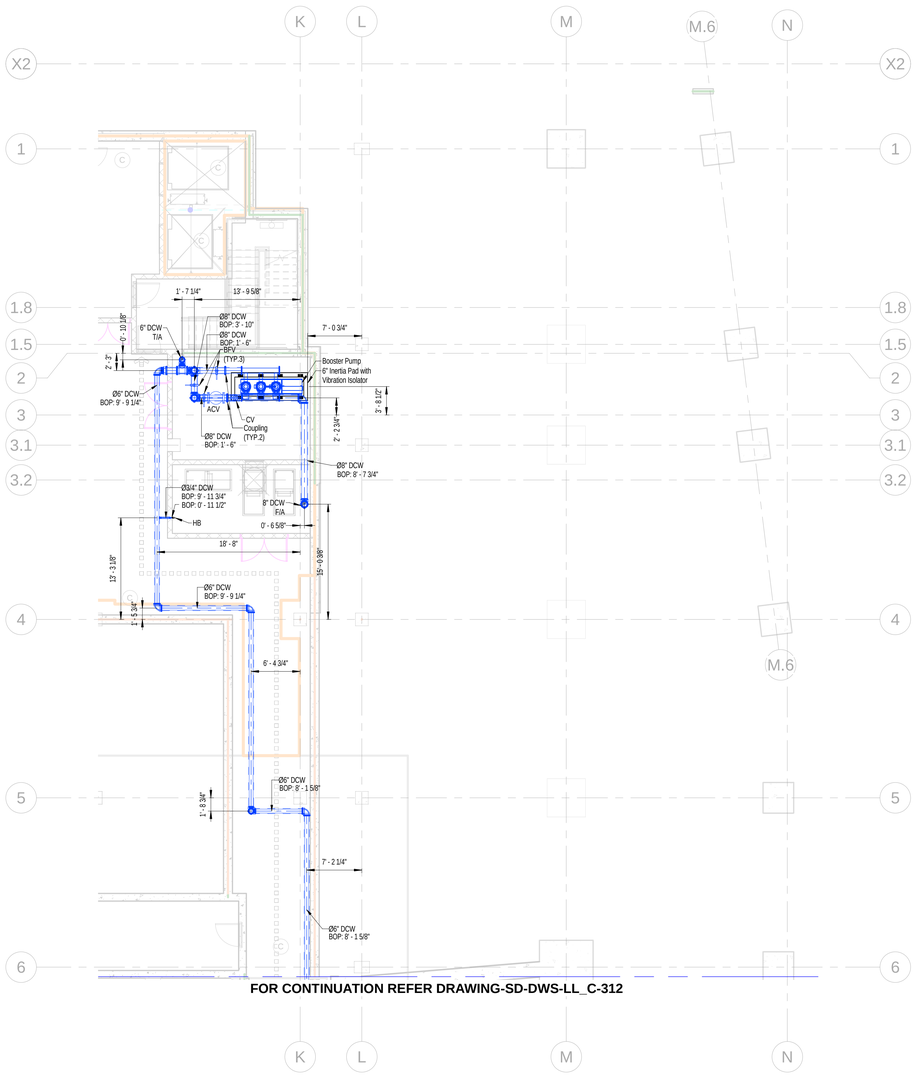
SCAD CAMPUS DEVELOPMENT
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-13-2021
R1	SHOP DRAWING	07-21-2021

DRAWING TITLE
DRAINAGE-LOWER LEVEL-AREA B SHOP DRAWING

DRAWING NO.
SD-DR-LL_B-311

Forum # | MMA # 19050



1 DWS-LOWER LEVEL-AREA B SHOP DRAWING
1/8" = 1'-0"

GENERAL NOTES:
1.The BOP is measured from LOWER LEVEL (-13' 00). 2. The insulation on DWS is 1" for all sizes.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
BFV	BUTTERFLY VALVE
CV	CHECK VALVE
HB	HOSE BIB
ACV	AUTOMATED CONTROL VALVE
T/A	TO ABOVE
F/A	FLOOR ABOVE
DN	DOWN

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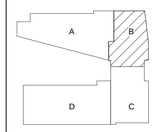
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST, ATLANTA, GA 30309

DESCRIPTION	DATE
SHOP DRAWING	05-11-2021

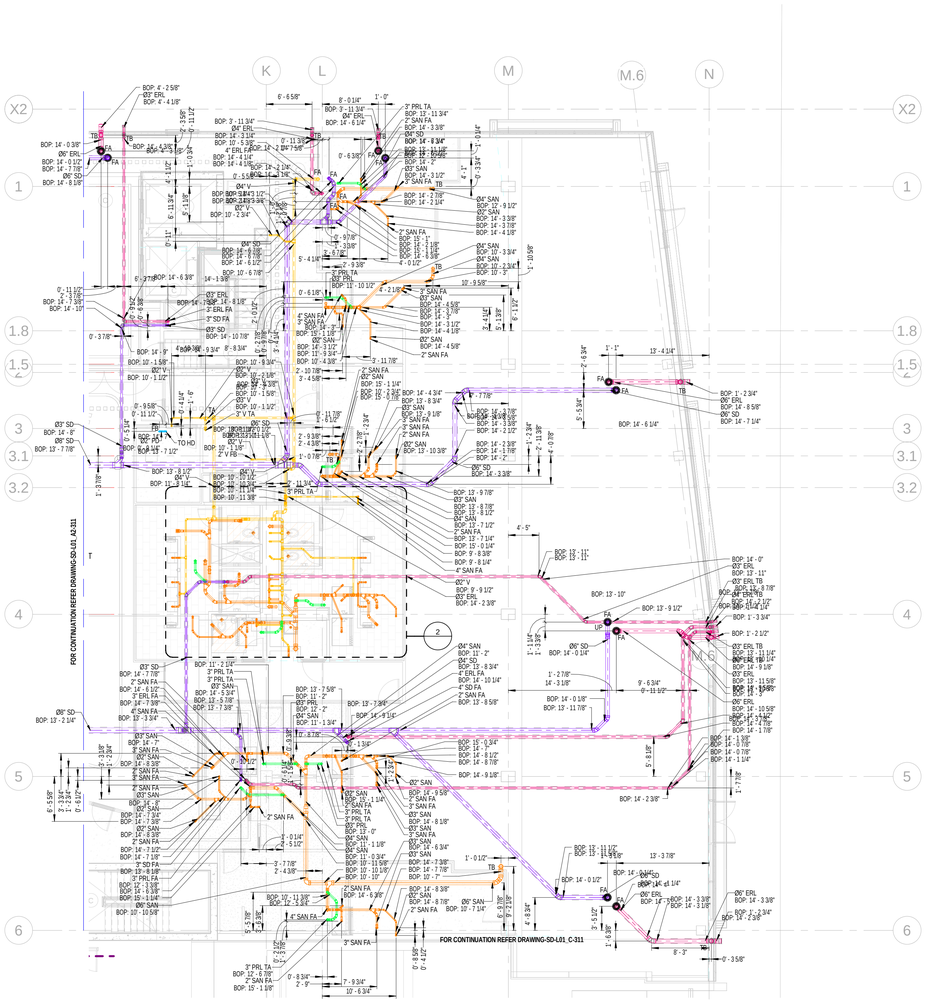
DRAWING TITLE

DWS-LOWER LEVEL-AREA B SHOP DRAWING

DRAWING NO.

SD-DWS-LL_B-312

Forum #		MMA #	19050



1 SHOP DRAWING LEVEL 01_AREA B-DRAINAGE
1/8" = 1'-0"

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER

GENERAL NOTES:

1.The BOP is measured from LEVEL 01(0' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

2 ENLARGE VIEW TOILET AREA
1/2" = 1'-0"

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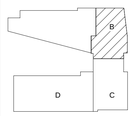
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KEY PLAN:



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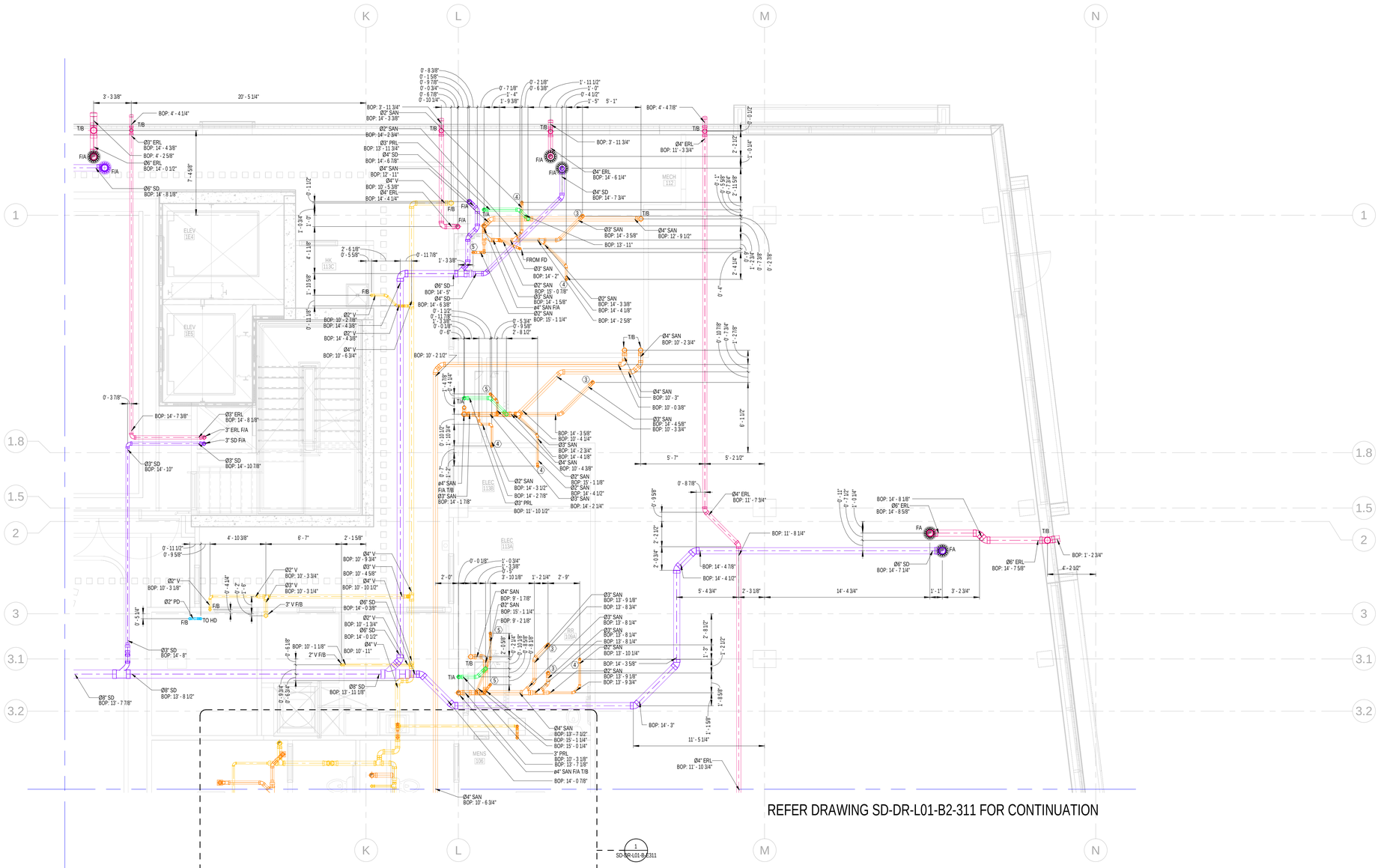
DESCRIPTION	DATE
SHOP DRAWING	05-25-2021

DRAWING TITLE
SHOP DRAWING LEVEL 01_AREA B-DRAINAGE

DRAWING NO.
SD-L01-B-311

Forum #		MMA #	19050

REFER DRAWING SD-DR-L01-A2-311 FOR CONTINUATION



1 Level 01 Area B1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 01(0' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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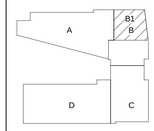
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KEY PLAN:



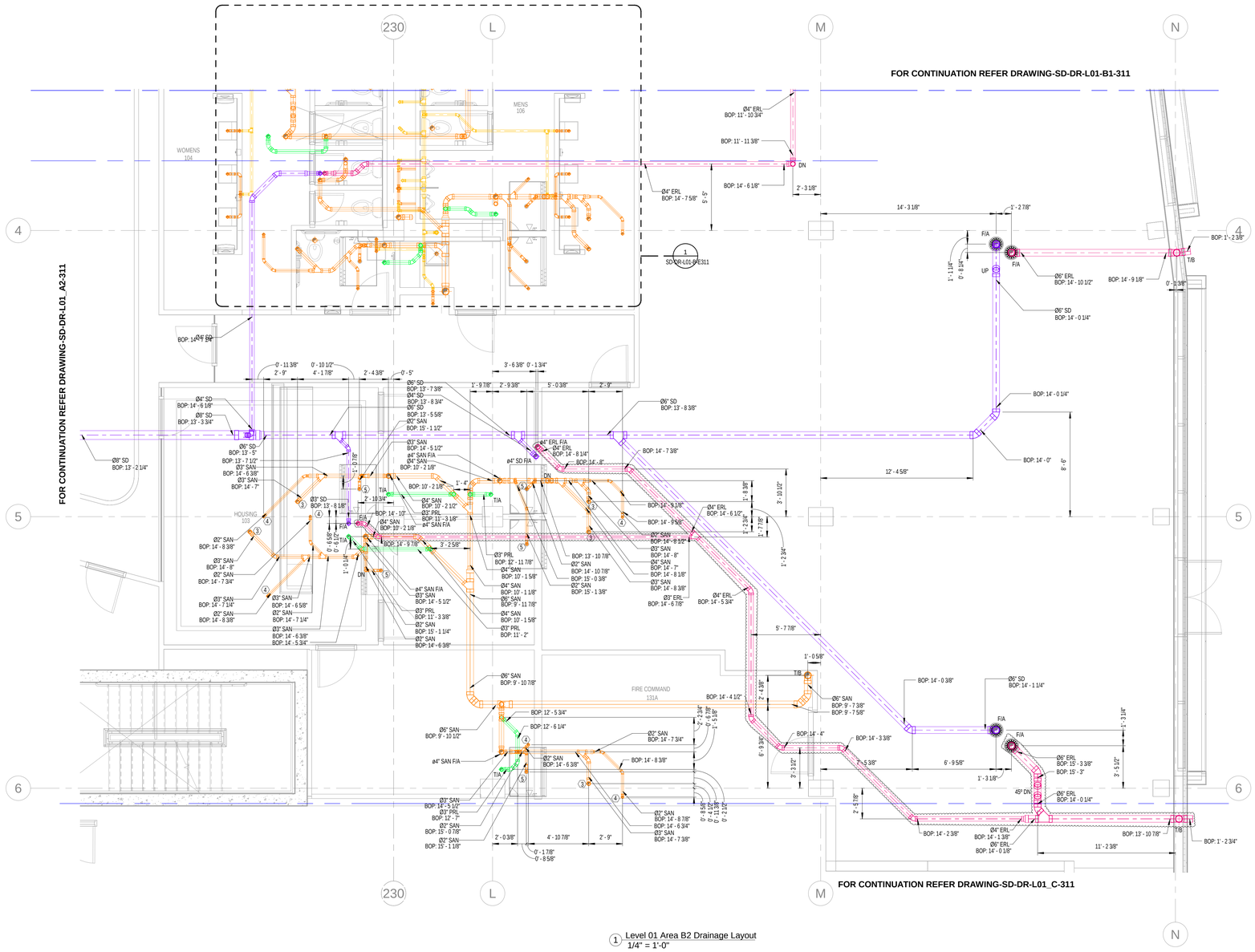
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-18-2021
R1	SHOP DRAWING	08-16-2021
R1	SHOP DRAWING	09-13-2021

DRAWING TITLE
Level 01 Area B1 Drainage Layout

DRAWING NO.
SD-DR-L01-B1-311

Forum # | | MMA # | 19050



1 Level 01 Area B2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 01(0' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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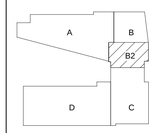
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-18-2021
R1	SHOP DRAWING	08-16-2021
R2	SHOP DRAWING	09-13-2021
R3	SHOP DRAWING	11-23-2021

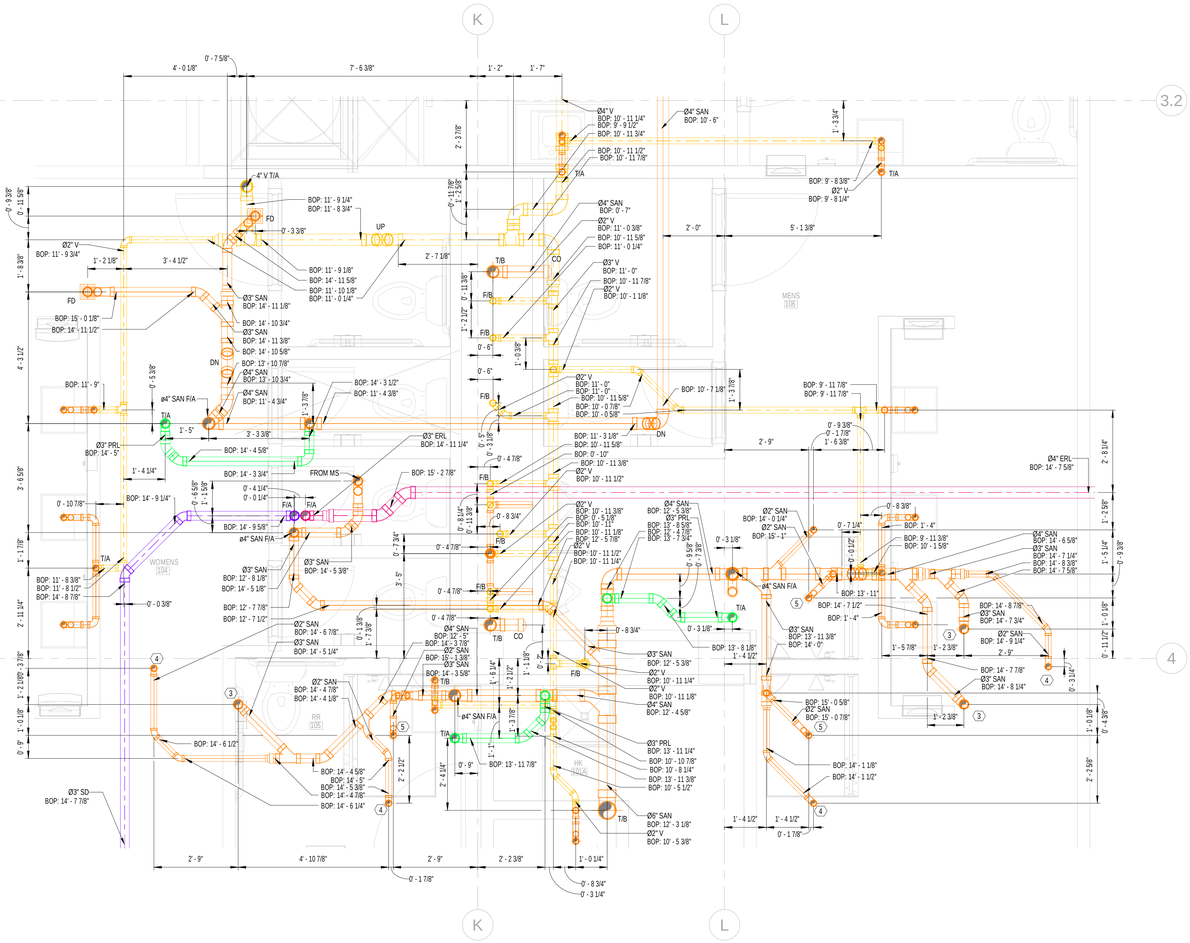
DRAWING TITLE

Level 01 Area B2 Drainage Layout

DRAWING NO.

SD-DR-L01-B2-311

Forum #		MMA #	19050



1 ENLARGE VIEW TOILET AREA
1/2" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 01(0' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
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F/B	FROM BELOW
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T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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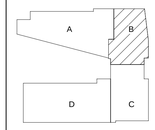
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-13-2021

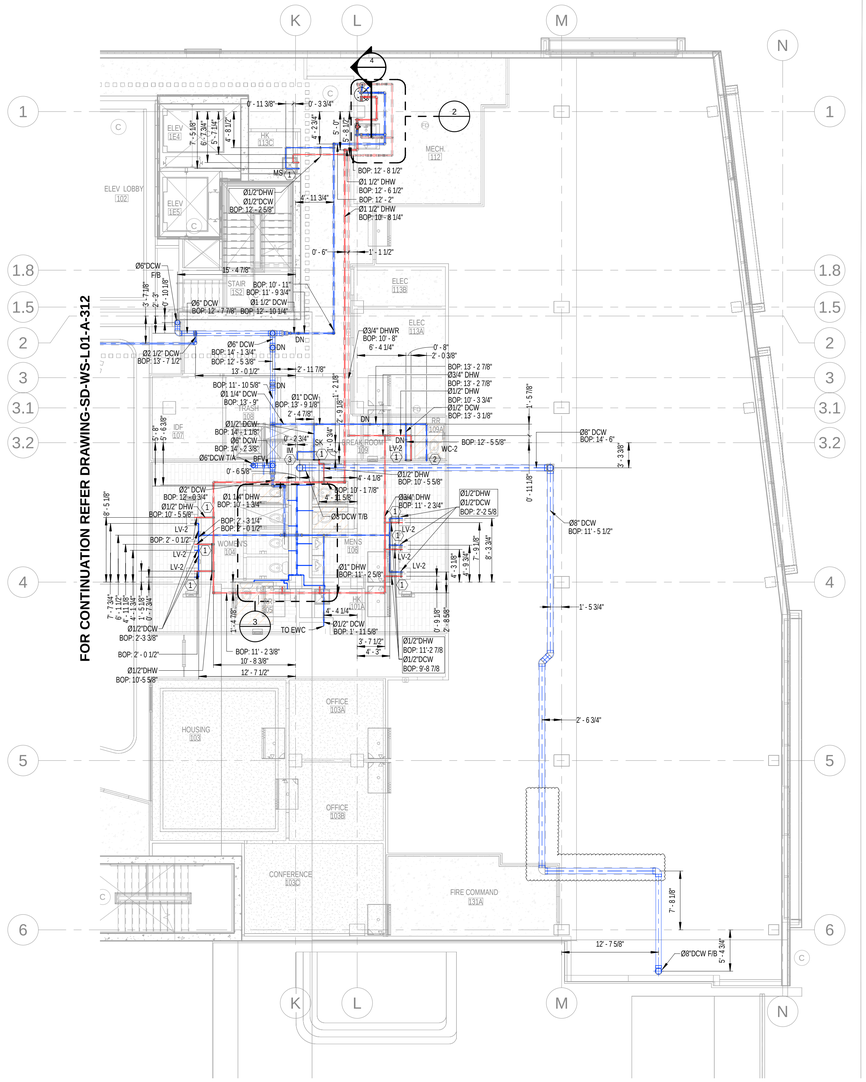
DRAWING TITLE

ENLARGE VIEW TOILET AREA

DRAWING NO.

SD-DR-L01-B-E311

Forum #		MMA #	19050



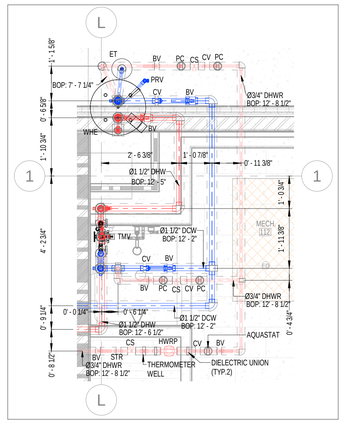
1 Level 01 Area B Water Supply Layout
1/8" = 1'-0"

GENERAL NOTES:

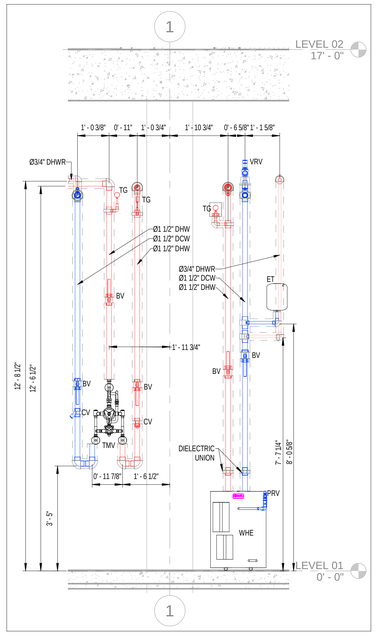
1.The BOP is measured from LEVEL 01(0' 00).
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	THERMAL MIXING VALVE(TMV)
	BALL VALVE(BV)



2 ENLARGE ROOM AREA B MECH ROOM
1/2" = 1'-0"



4 SECTION DETAIL AREA B MECH ROOM
1/2" = 1'-0"

ELECTRIC STORAGE WATER HEATER SCHEDULE

SYMBOL	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	ELECTRICAL CRITERIA KW INPUT	FIRST HOUR CAPACITY	UNIFORM ENERGY FACTOR (UEF)	NOTES
WHE-1 - WHE-5	PUBLIC AREAS	A.O. SMITH DEL-50	50	21/90°	120°F	4.5	45	0.92	1, 2, 3, 4
IWH-1	UNI 266 & 267	EEMAX 41	TANKLESS	0.5 GPM/43°	110°F	4.1	---	0	

NOTES:
1. PROVIDE T&P RELIEF VALVE AND VACUUM RELIEF VALVE.
2. PROVIDE GATE/BALL VALVES WITH UNIONS AND DIELECTRIC FITTINGS ON WATER INLET AND OUTLET CONNECTIONS.
3. ALL UNITS SHALL MEET ASHRAE 90.1-2013, 2015 NAECA, ICC CODE AND ALL LOCAL CODE REQUIREMENTS.
4. ASME RATING NOT REQUIRED, ALL MODELS EQUIPPED WITH HEAT TRAPS..

GENERAL REQUIREMENTS:
A. ALL WATER HEATER ELEMENTS SHALL OPERATE AT THE FULL KW AND RECOVERY SCHEDULED WHEN OPERATING AT THE BUILDING VOLTAGE INDICATED ON THE ELECTRICAL DRAWINGS (I.E. 208V, 220V, 240V, ETC.).
B. DUAL ELEMENT NON-SIMULTANEOUS OPERATION.
C. PROVIDE THERMAL EXPANSION TANK WATTS PLT-5.
D. APPROVED EQUALS SHALL BE BRADFORD WHITE, LOCHINVAR, RHEEM, AND STATE.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP. (°F)	OUTLET TEMP. (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

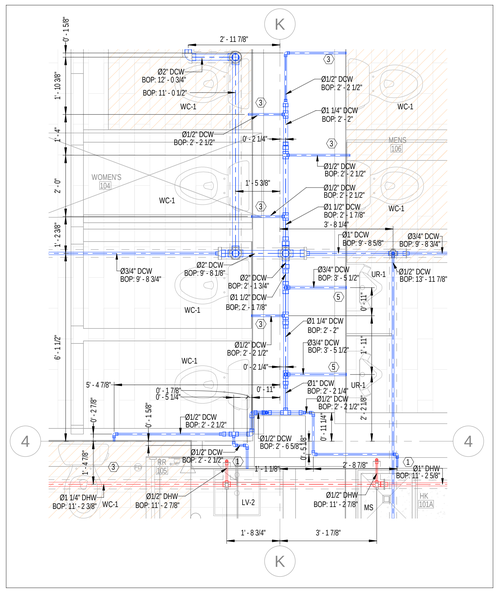
PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
BOP	BOTTOM OF PIPE
CV	CHECK VALVE
F/B	FROM BELOW
T/B	TO BELOW
DN	DOWN
T/A	TO ABOVE
F/A	FROM ABOVE
UP	UPWARDS
STR	STRAINER
HWRP	HOT WATER RECIRCULATING PUMP
CS	CIRCUIT SETTER
PC	PET COCK
MS	MOP SINK
IM	ICE MACHINE
LAV	LAVATORY
WC	WATER CLOSET
TMV	THERMAL MIXING VALVE
WHE	WATER HEATER ELECTRICAL
PRV	PRESSURE RELIEF VALVE
TG	TEMPERATURE GAUGE
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
BFV	BUTTERFLY VALVE
VRV	VACUUM RELIEF VALVE



3 ENLARGE VIEW TOILET DETAIL
1/2" = 1'-0"

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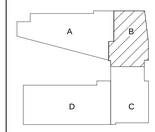
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-25-2021
R1	SHOP DRAWING	10-13-2021

DRAWING TITLE
Level 01 Area B Water Supply Layout

DRAWING NO.
SD-WS-L01-B-312

Forum # | MMA # 19050



1 Level 01 Area B Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:
1.The BOP is measured from LEVEL 01(0' 00).

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
PRV	PRESSURE RELEASE VALVE
GSV	GAS SHUT OFF VALVE
BOP	BOTTOM OF PIPE
CV	CHECK VALVE
F/B	FROM BELOW
T/B	TO BELOW
DN	DOWN
SV	SOLENOID VALVE
MAU	MAKE UP AIR UNIT
CS	CIRCUIT SETTER
F/A	FROM ABOVE
T/A	TO ABOVE
BP	BRAISING PAN
GC	GRIDDLE COUNTER
CB	CHAR BROILER
STM	STEAMER
HB	HEATED CABINET
WHG	WATER HEATER GAS

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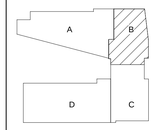
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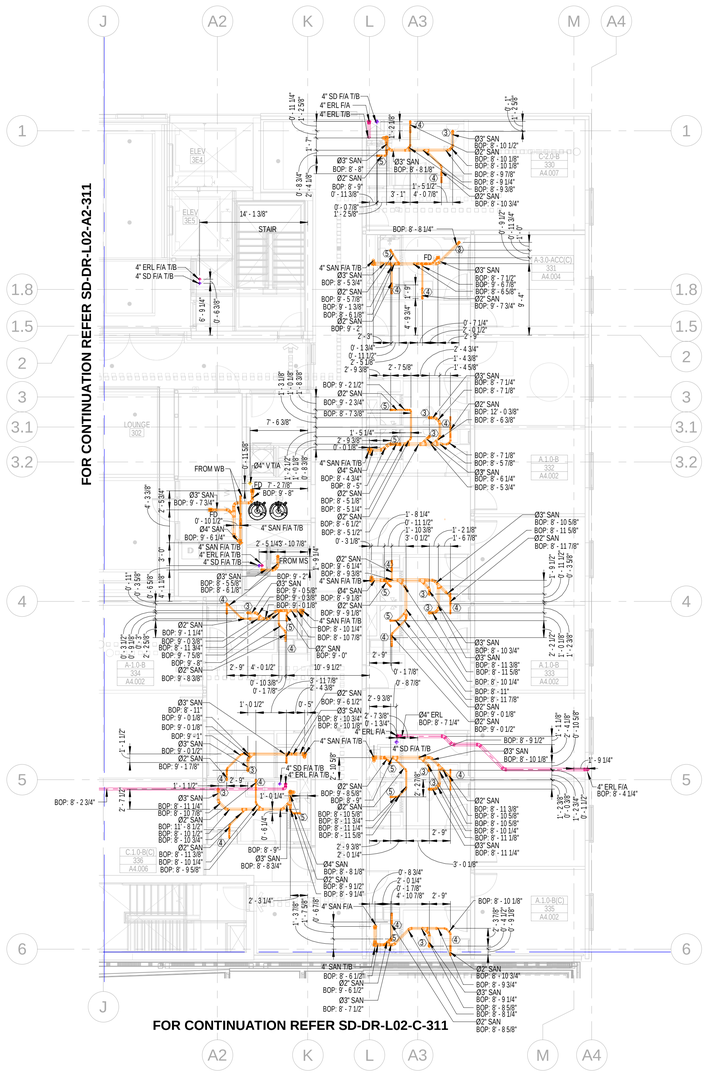
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-25-2021
R1	SHOP DRAWING	07-30-2021

DRAWING TITLE
Level 01 Area B Natural Gas Layout

DRAWING NO.
SD-NG-L01-B-313

Forum #		MMA #	19050



1 Level 02 Area B Drainage Layout
1/8" = 1'-0"

DRAFT

GENERAL NOTES:

1. The BOP is measured from LEVEL 02(17' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes in horizontal run.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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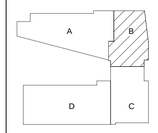
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-16-2021

DRAWING TITLE

Level 02 Area B Drainage Layout

DRAWING NO.

SD-DR-L02-B-311

Forum #		MMA #	19050



1 Level 02 Area B1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 02(17' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes in horizontal run.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
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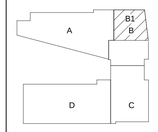
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-13-2021

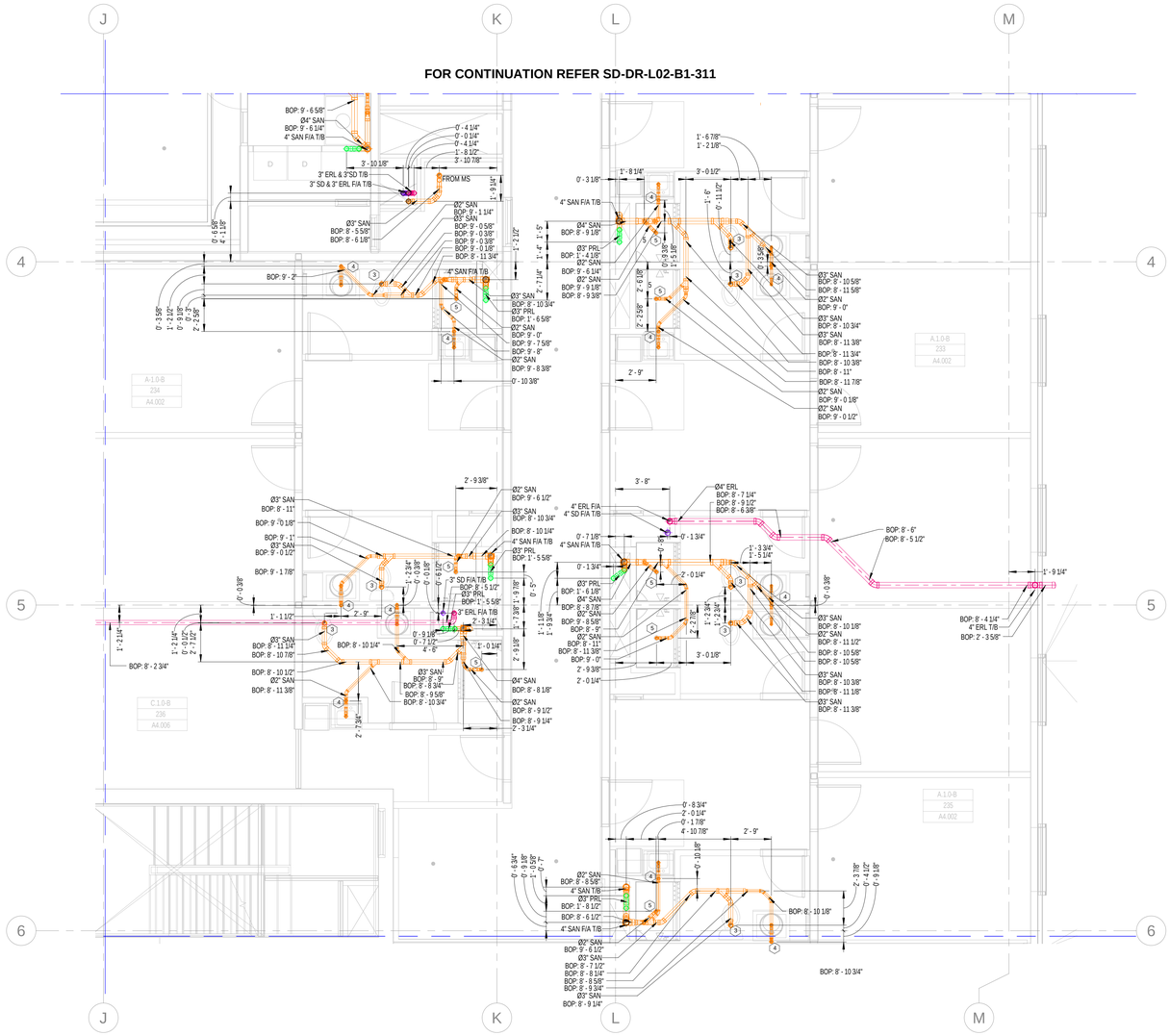
DRAWING TITLE

Level 02 Area B1 Drainage Layout

DRAWING NO.

SD-DR-L02-B1-311

Forum #		MMA #	19050



1 Level 02 Area B2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 02(17' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes in horizontal run.

ABBREVIATION	DESCRIPTION
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V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
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F/B	FROM BELOW
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GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
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5	2" SAN (SHOWER)

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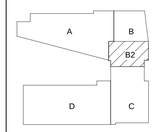
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-13-2021

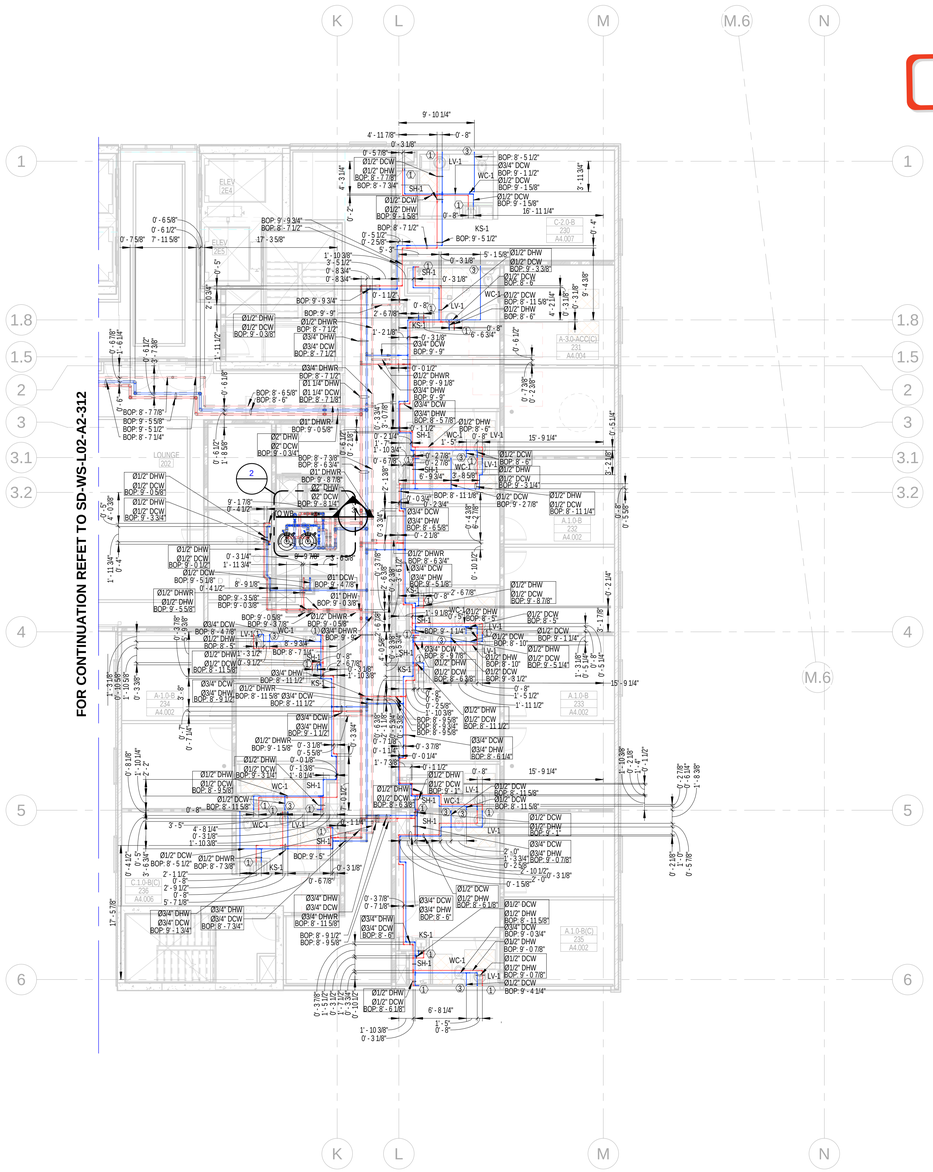
DRAWING TITLE

Level 02 Area B2 Drainage Layout

DRAWING NO.

SD-DR-L02-B2-311

Forum #		MMA #	19050



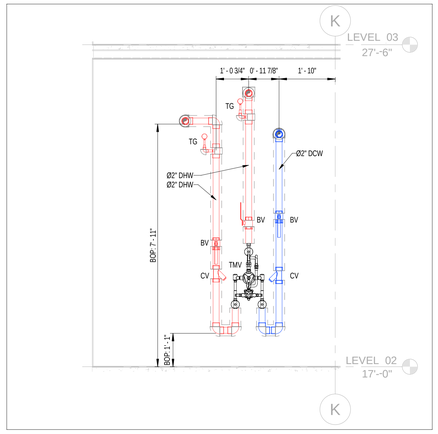
1 Level 02 Area B Water Supply Layout
1/8" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 02(17' 00).
2. The insulation for all pipe sizes is 1".

DRAFT

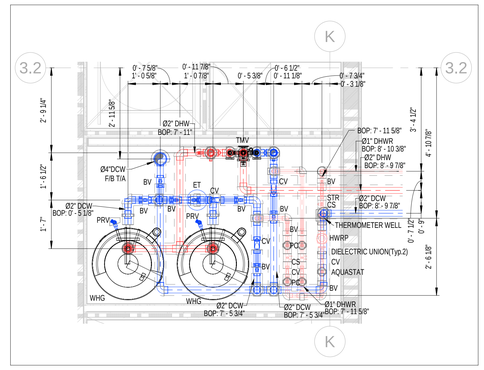
SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER



3 Level 02 Area B Water Supply Section
1/2" = 1'-0"

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN



2 Level 02 Area B Water Supply Callout
1/2" = 1'-0"

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

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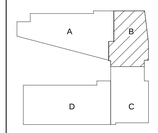
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KEY PLAN:



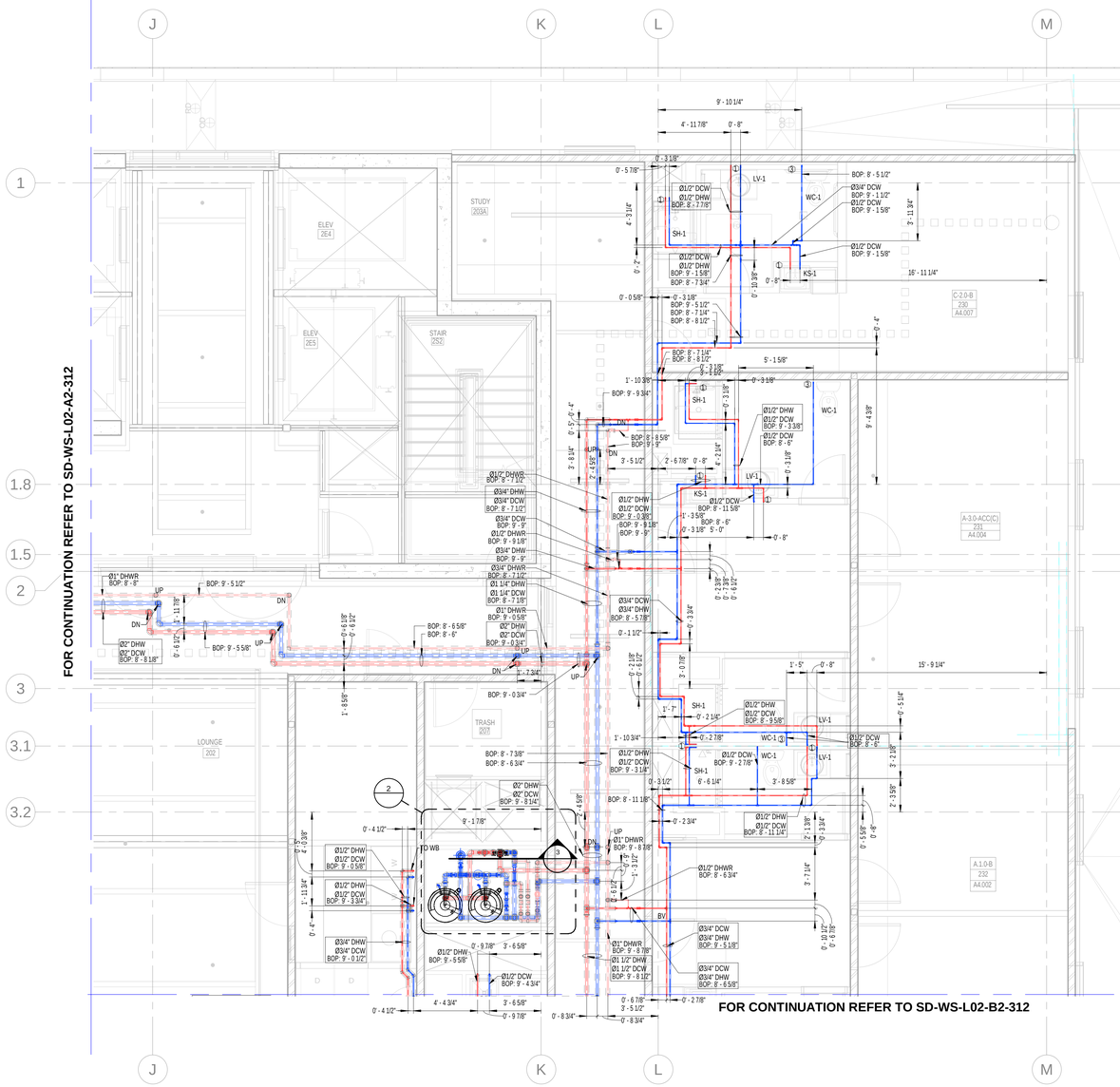
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-19-2021

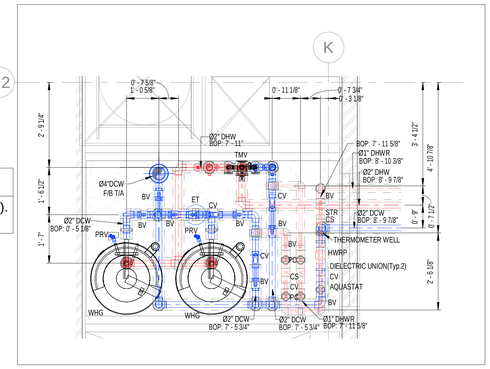
DRAWING TITLE
Level 02 Area B Water Supply Layout

DRAWING NO.
SD-WS-L02-B-312

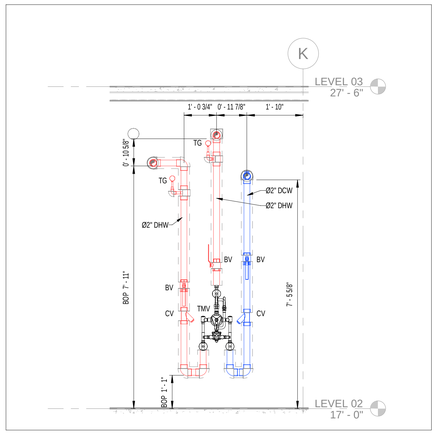
Forum # | MMA # 19050



1 Level 02 Area B1 Water Supply Layout
1/4" = 1'-0"



2 Level 02 Area B1 Water Supply Callout
1/2" = 1'-0"



3 Level 02 Area B1 Water Supply Section
1/2" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 02(17' 00).
2. The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
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PLUMBING KEY NOTE	
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2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

PLUMBING FIXTURE SCHEDULE - DORMS

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			WASTE	VENT	CW	HW
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LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

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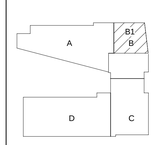
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KEY PLAN:



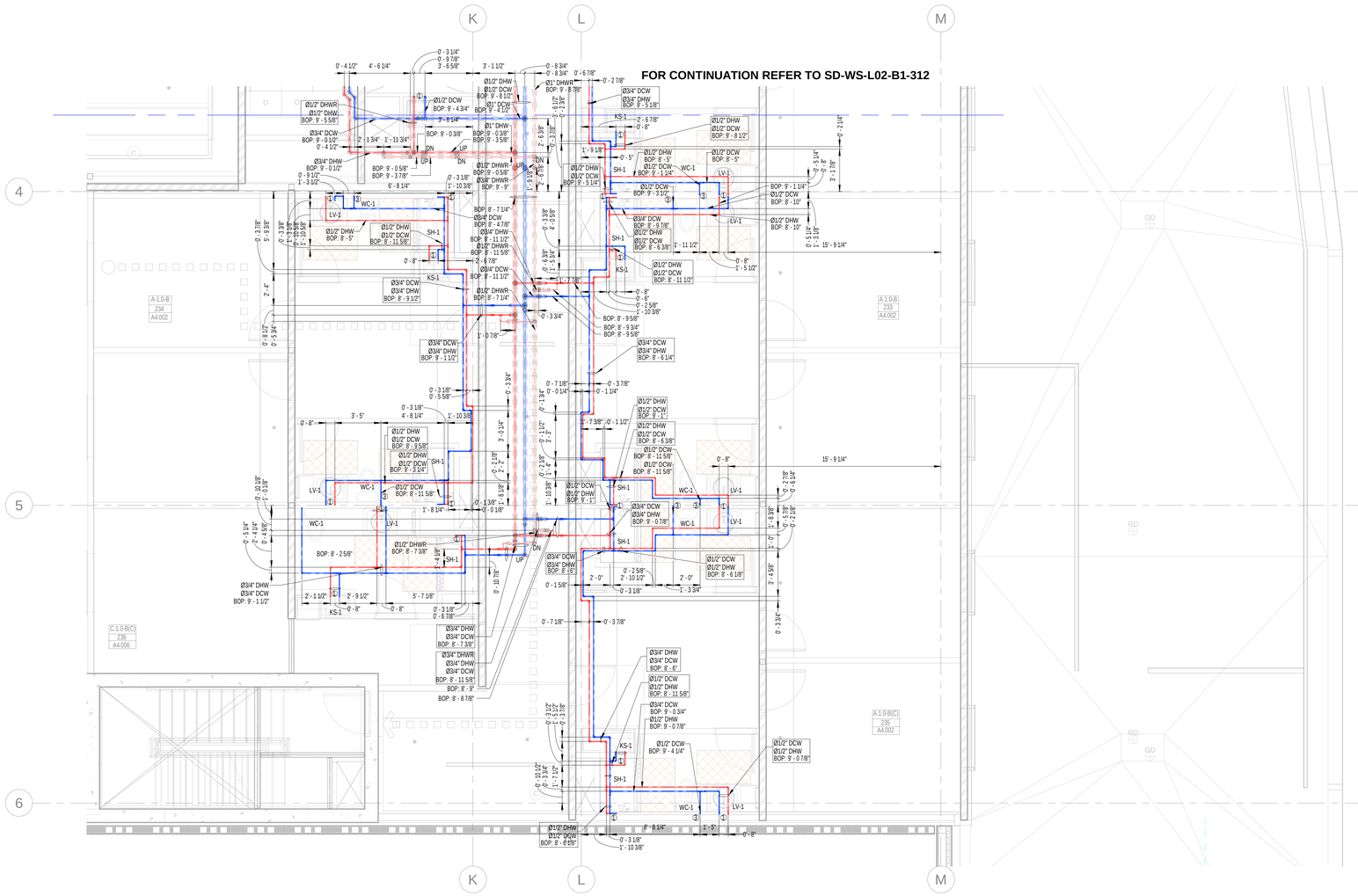
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-28-2021
R1	SHOP DRAWING	10-05-2021

DRAWING TITLE
Level 02 Area B1 Water Supply Layout

DRAWING NO.
SD-WS-L02-B1-312

Forum # | MMA # 19050



1 Level 02 Area B2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:
1.The BOP is measured from LEVEL 02(17' 00).
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX. GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

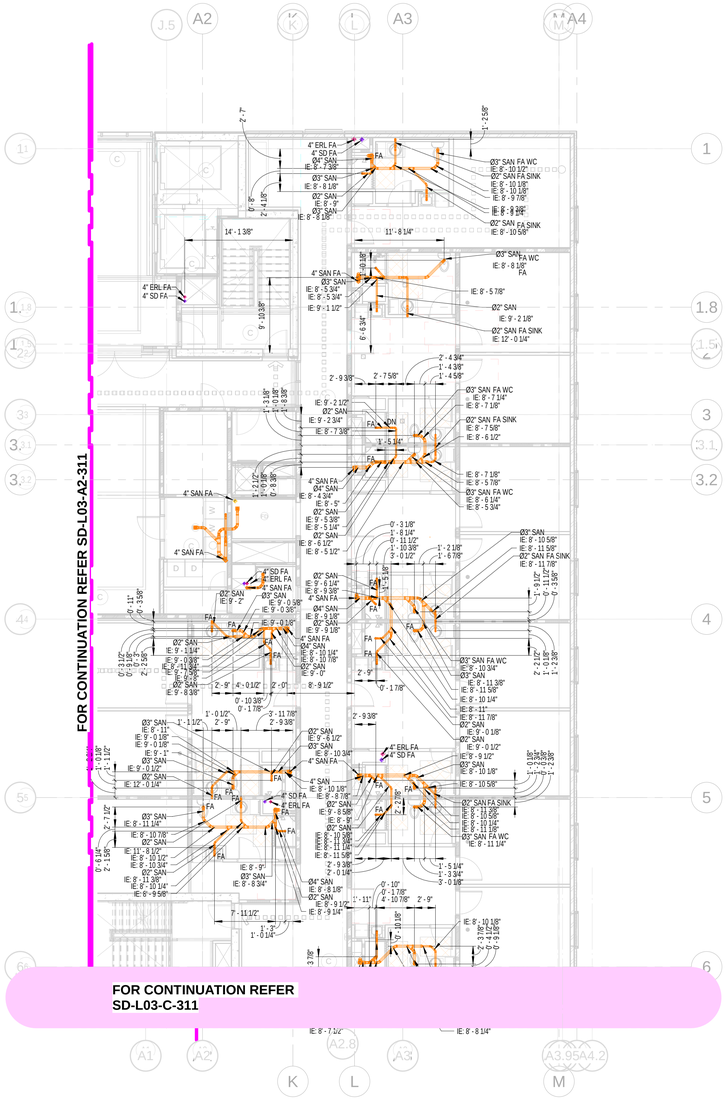
REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-28-2021
R1	SHOP DRAWING	10-05-2021

DRAWING TITLE
Level 02 Area B2 Water Supply Layout

DRAWING NO.
SD-WS-L02-B2-312

Forum #		MMA #	19050

DRAFT



1 Level 03 Area B Drainage Layout
1/8" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 01(0' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK

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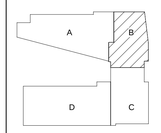
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

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REV	DESCRIPTION	DATE
	SHOP DRAWING	05-25-2021

DRAWING TITLE

Level 03 Area B Drainage Layout

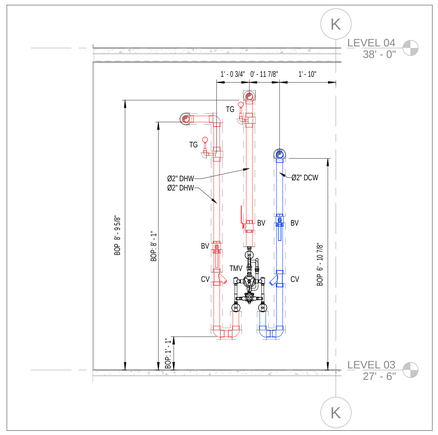
DRAWING NO.

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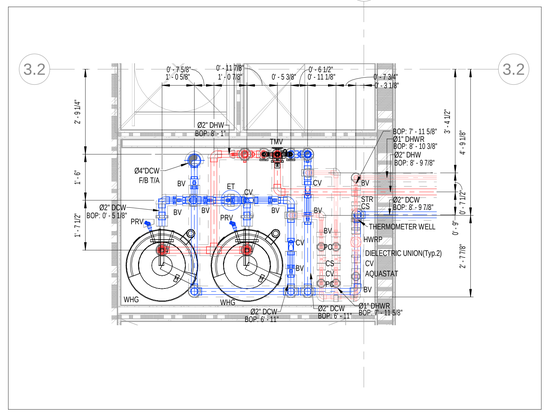
Forum #		MMA #	19050



1 Level 03 Area B1 Water Supply Layout
1/4" = 1'-0"



3 Level 03 Area B Water Supply Section
1/2" = 1'-0"



2 Level 03 Area B1 Water Supply Callout
1/2" = 1'-0"

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

GENERAL NOTES:

1.The BOP is measured from LEVEL 03(27'6").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
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6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

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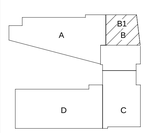
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KEY PLAN:



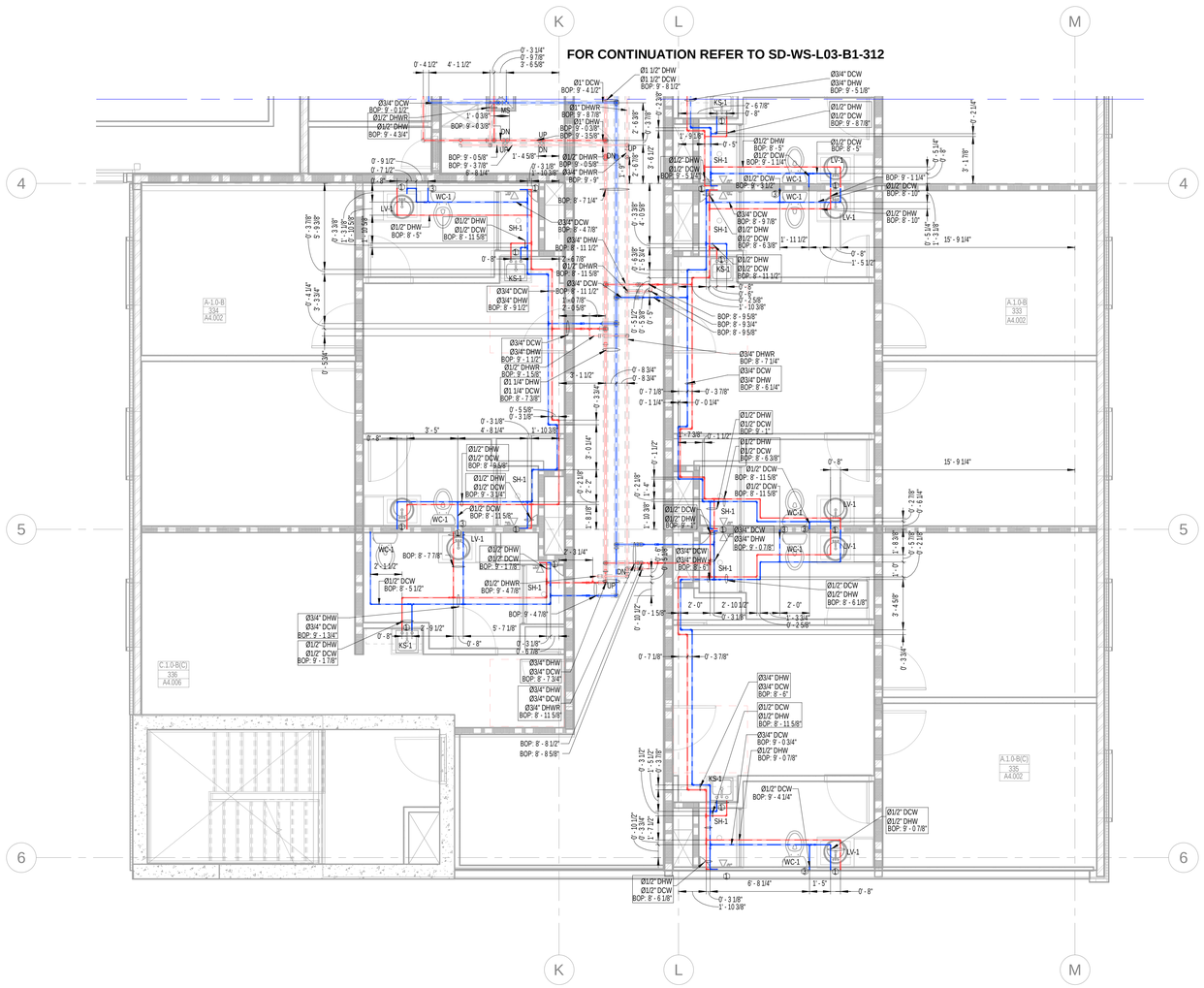
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-19-2021
R1	SHOP DRAWING	09-28-2021
R2	SHOP DRAWING	10-06-2021

DRAWING TITLE
Level 03 Area B1 Water Supply Layout

DRAWING NO.
SD-WS-L03-B1-312

Forum #
MMA # 19050



1 Level 03 Area B2 Water Supply Layout
1/4" = 1'-0"

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

GENERAL NOTES:

1. The BOP is measured from LEVEL 03(27'6").
2. The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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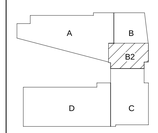
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KEY PLAN:



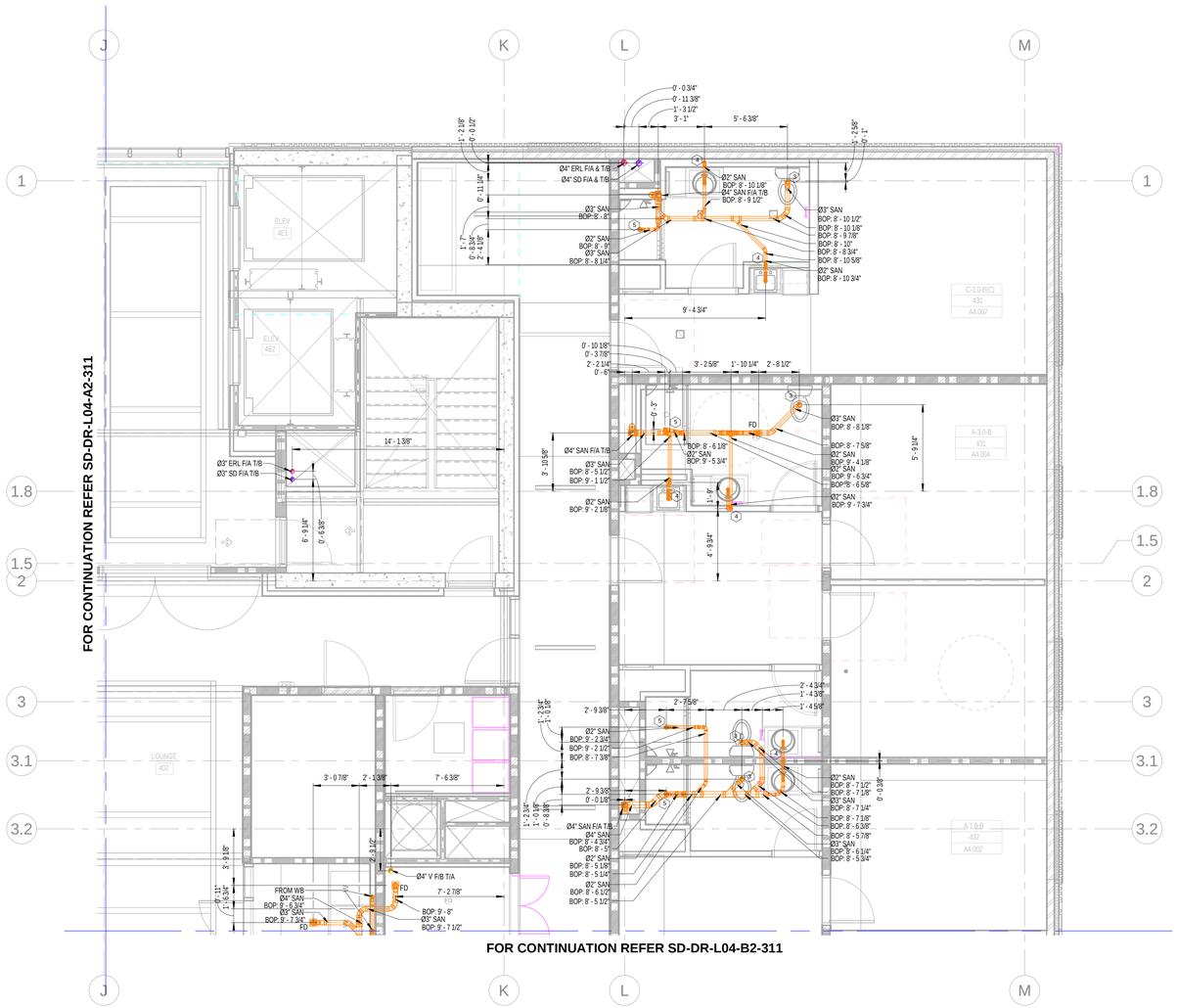
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-19-2021
R1	SHOP DRAWING	09-14-2021
R2	SHOP DRAWING	10-06-2021

DRAWING TITLE
Level 03 Area B2 Water Supply Layout

DRAWING NO.
SD-WS-L03-B2-312

Forum #
MMA # 19050



1 Level 04 Area B1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 04 (38'-0").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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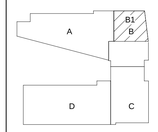
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KEY PLAN:



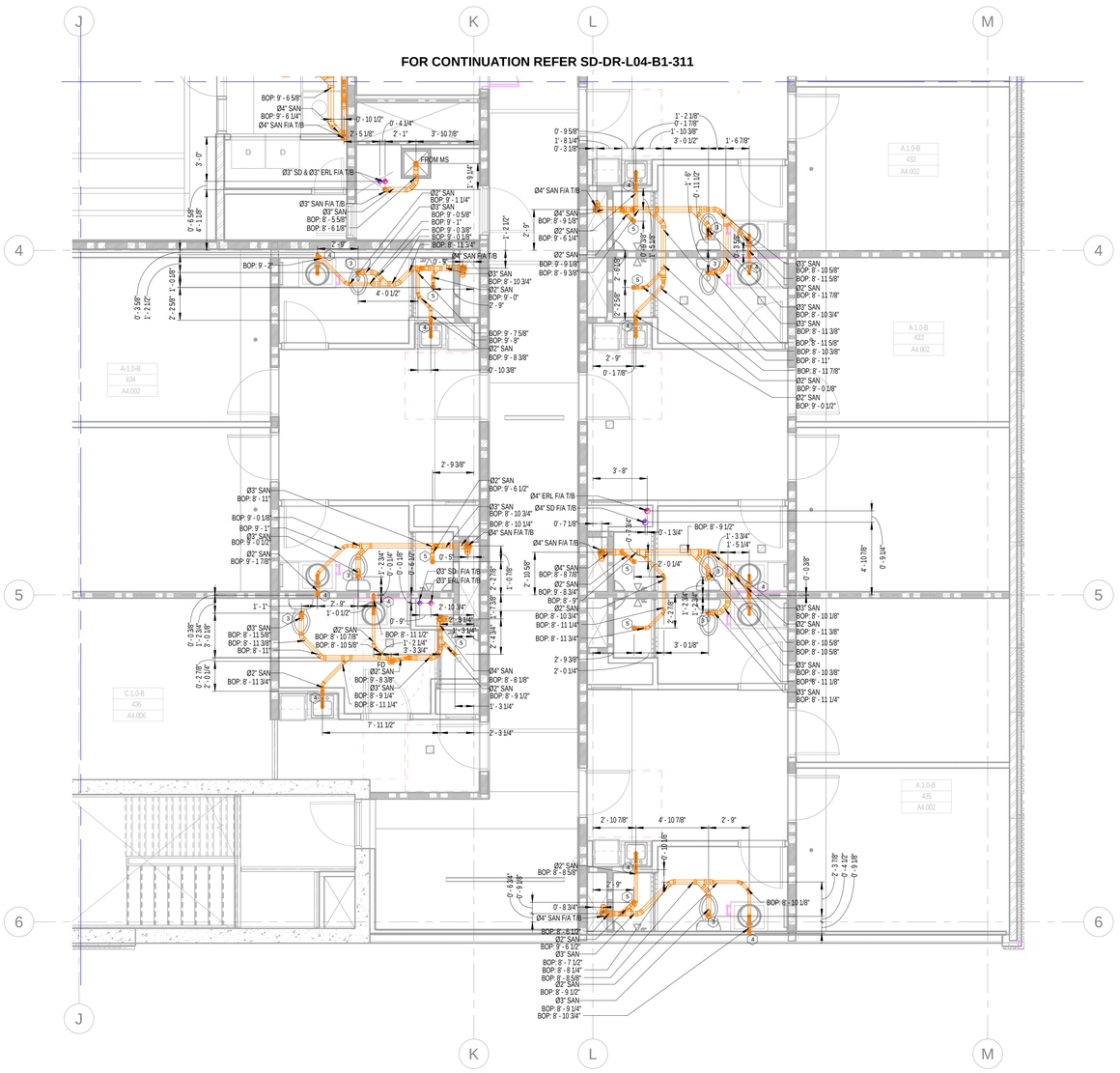
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-20-2021

DRAWING TITLE
Level 04 Area B1 Drainage Layout

DRAWING NO.
SD-DR-L04-B1-311

Forum #		MMA #	19050



1 Level 04 Area B2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 04 (38'-0").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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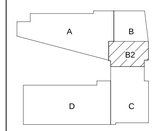
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST, ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-20-2021

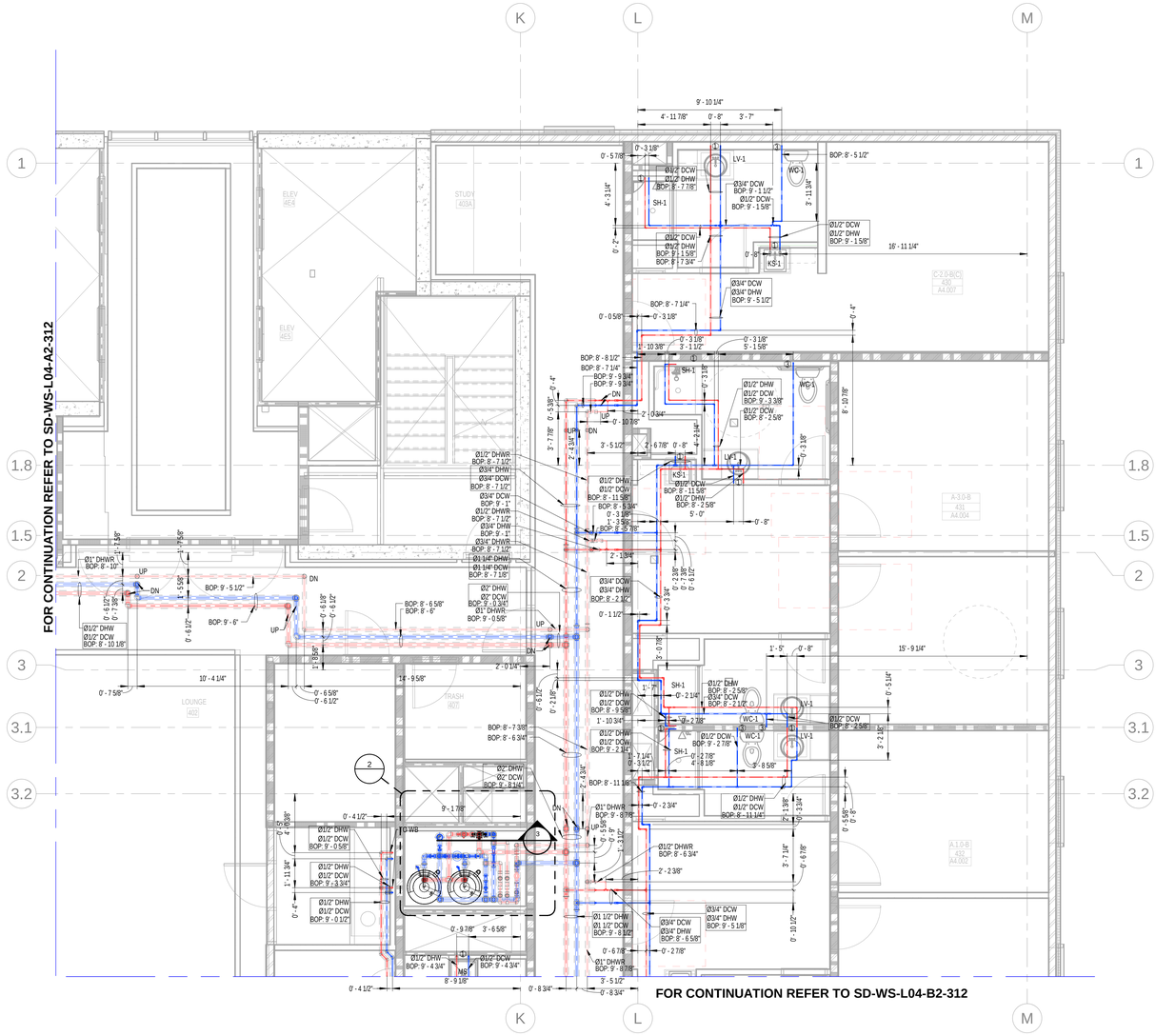
DRAWING TITLE

Level 04 Area B2 Drainage Layout

DRAWING NO.

SD-DR-L04-B2-311

Forum #		MMA #	19050



1 Level 04 Area B1 Water Supply Layout
1/4" = 1'-0"

3 Level 04 Area B1 Water Supply Section
1/2" = 1'-0"

2 Level 04 Area B1 Water Supply Callout
1/2" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 04(38'00").
2. The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

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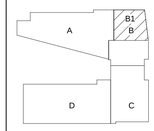
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678.342.9499

KEY PLAN:



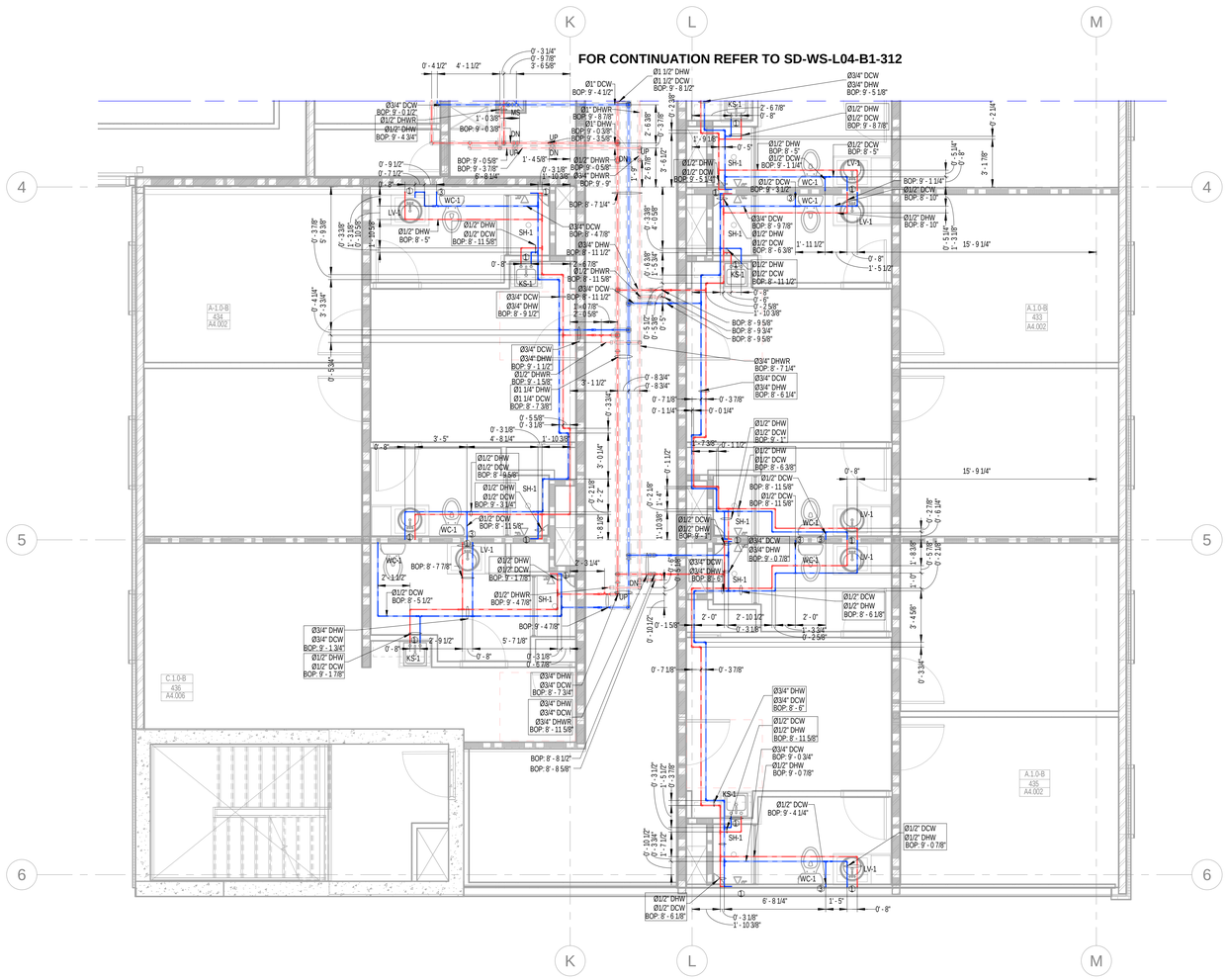
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-14-2021
R1	SHOP DRAWING	10-08-2021

DRAWING TITLE
Level 04 Area B1 Water Supply Layout

DRAWING NO.
SD-WS-L04-B1-312

Forum # | MMA # 19050



1 Level 04 Area B2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:
1.The BOP is measured from LEVEL 04(38'00").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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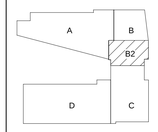
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KEY PLAN:



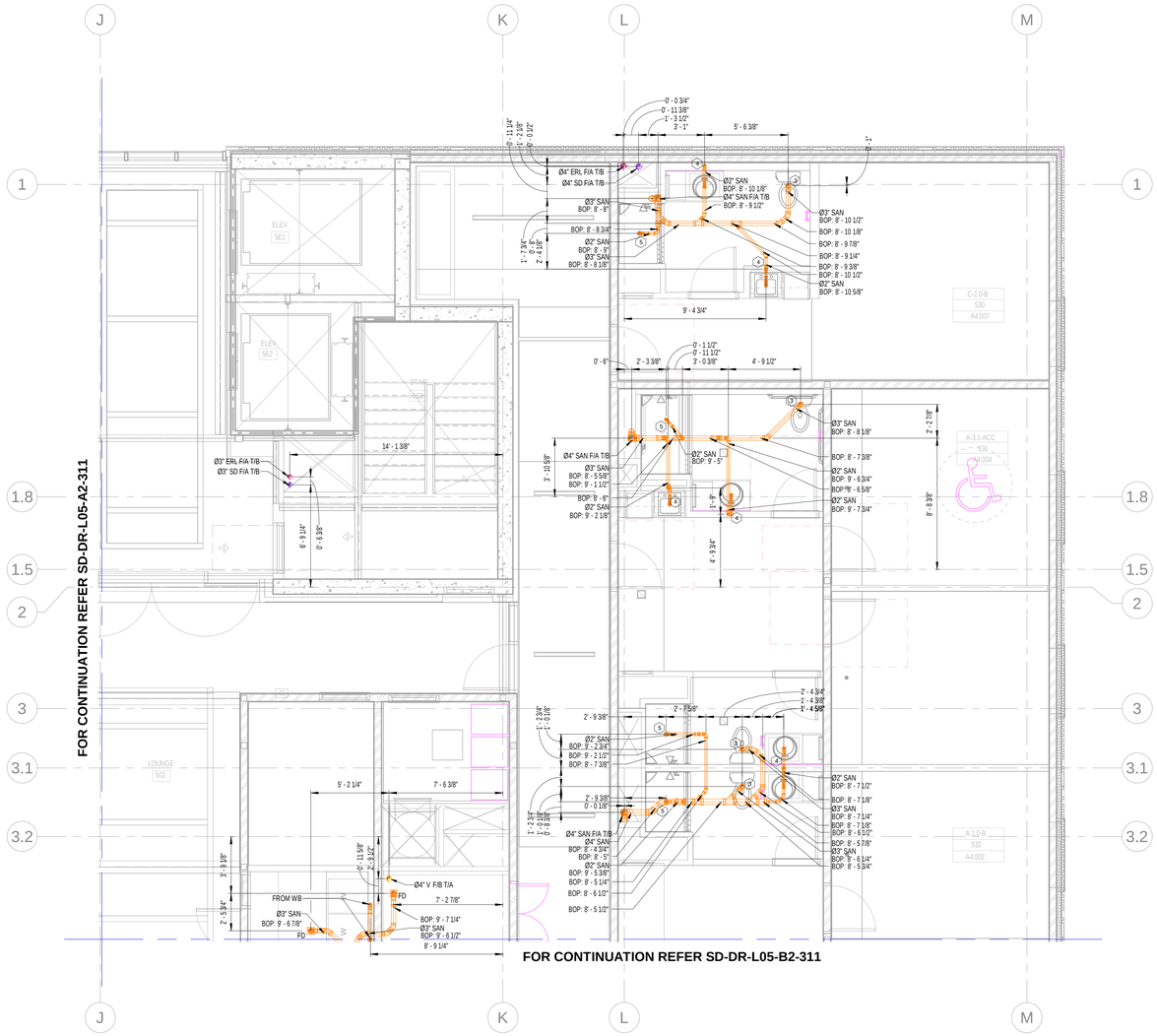
SCAD CAMPUS DEVELOPMENT
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-14-2021
R1	SHOP DRAWING	10-08-2021

DRAWING TITLE
Level 04 Area B2 Water Supply Layout

DRAWING NO.
SD-WS-L04-B2-312

Forum #		MMA #	19050



1 Level 05 Area B1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 05 (48'-6").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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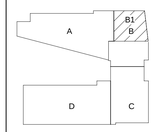
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-07-2021

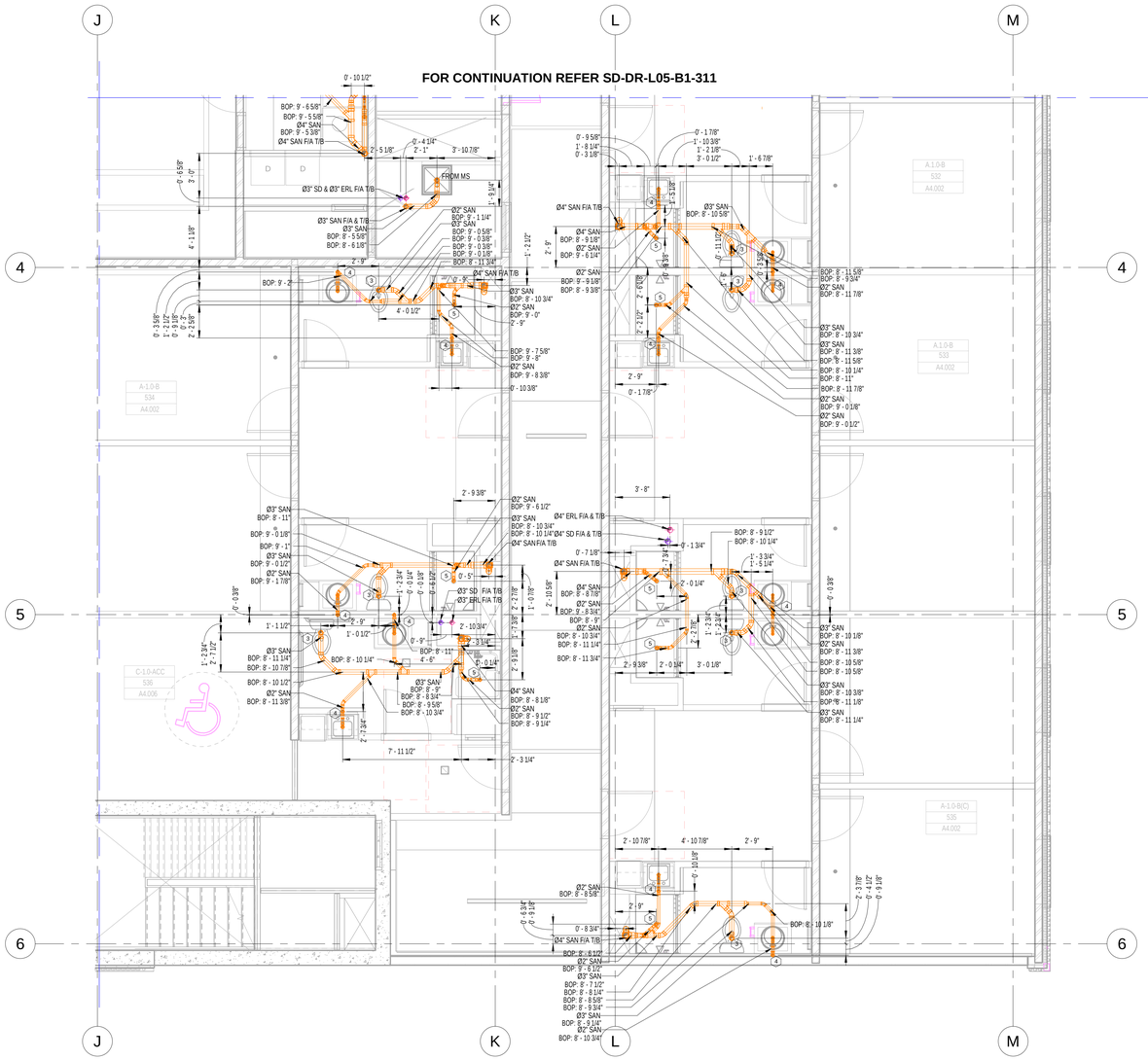
DRAWING TITLE

Level 05 Area B1 Drainage Layout

DRAWING NO.

SD-DR-L05-B1-311

Forum #		MMA #	19050



1 Level 05 Area B2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 05 (48'-6").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
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HD	HUB DRAIN
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DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
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GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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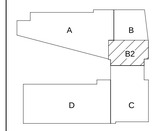
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-07-2021

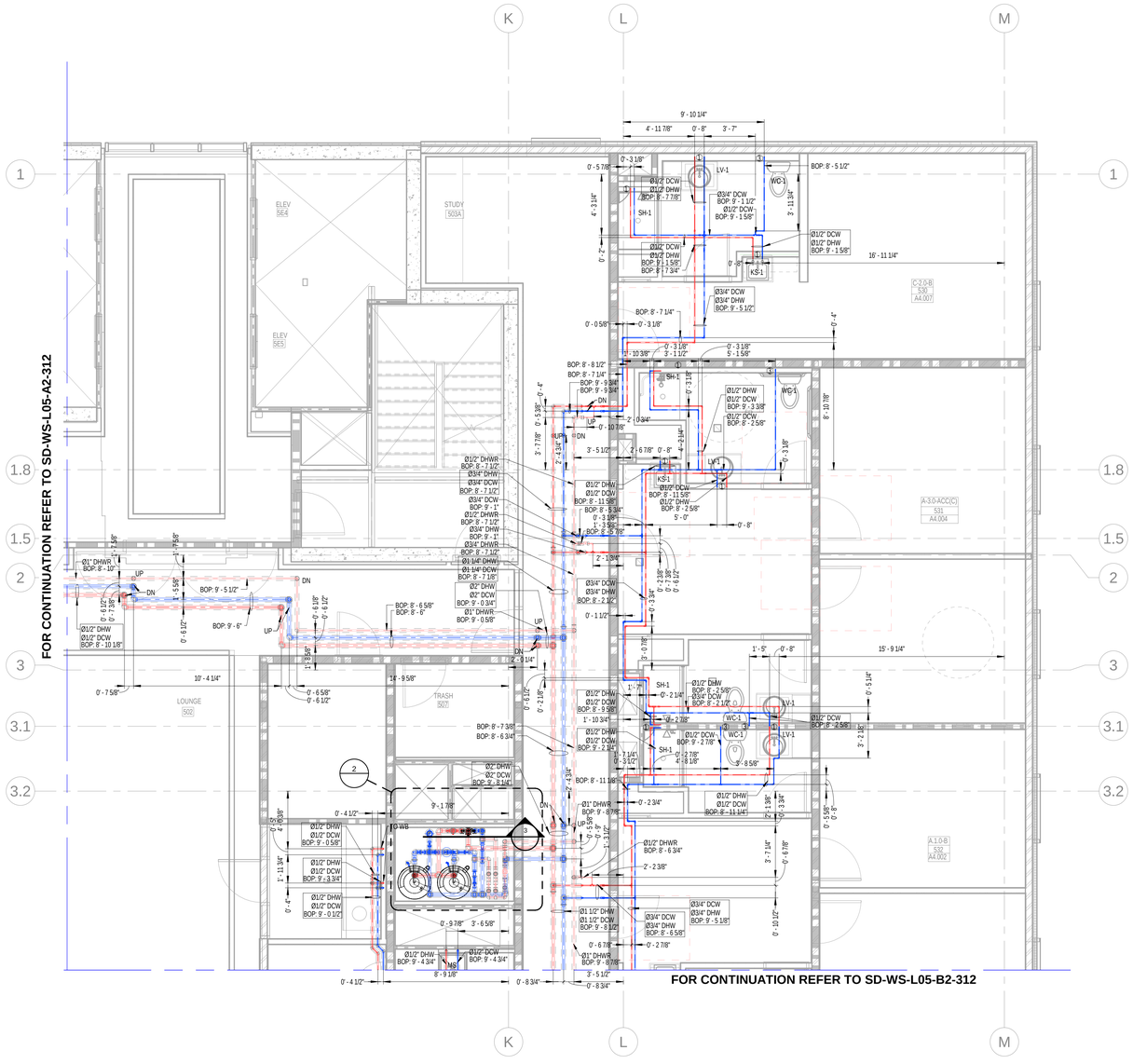
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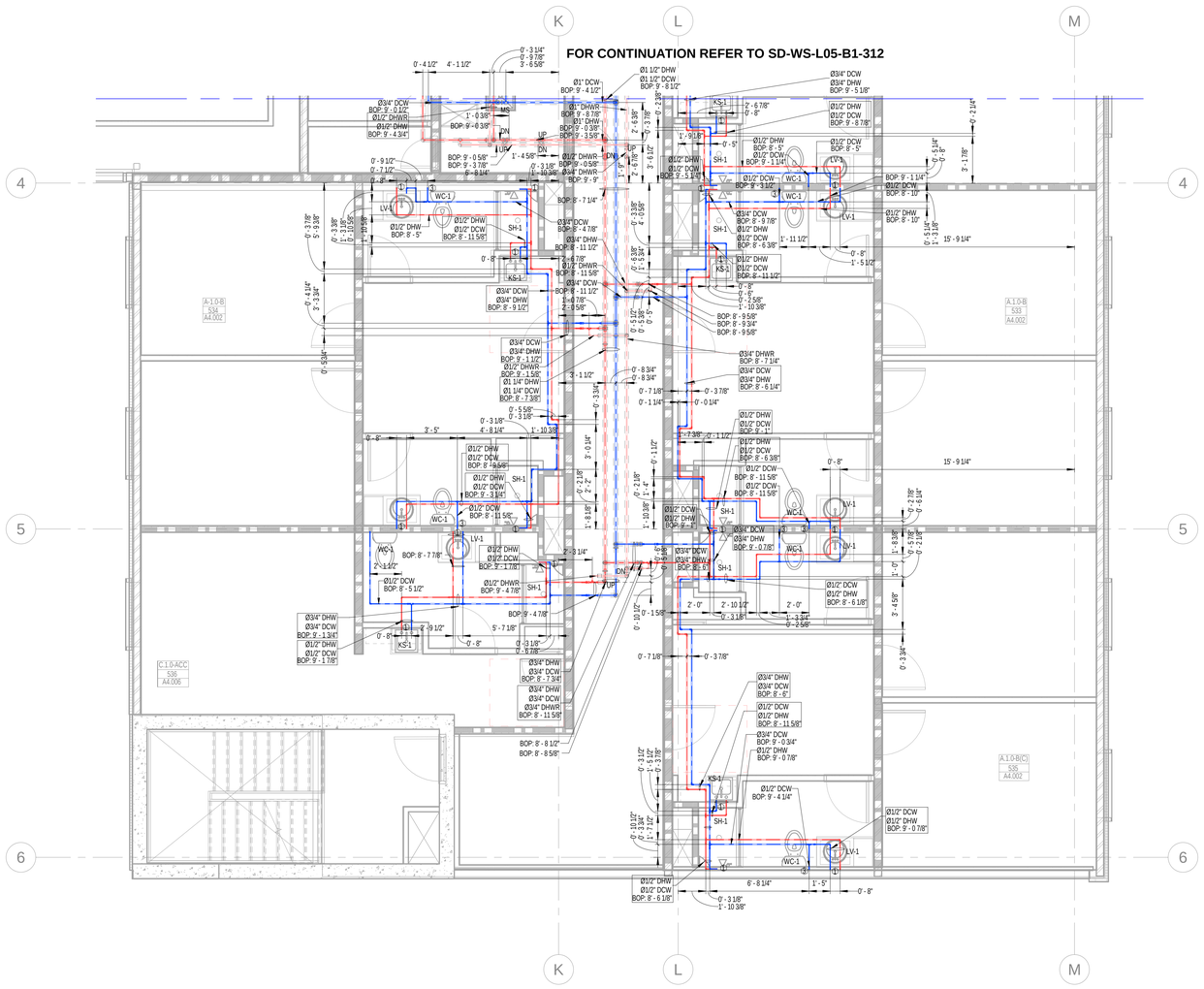
Level 05 Area B2 Drainage Layout

DRAWING NO.

SD-DR-L05-B2-311

Forum #		MMA #	19050


FOR CONTINUATION REFER TO SD-WS-L05-A2-312
FOR CONTINUATION REFER TO SD-WS-L05-B2-312
K
L
M
1
1.8
1.5
2
3
3.1
3.2
STUDY 503A
ELEV 5E4
ELEV 5E5
LOUNGE 502
TRASH 507
C-2.0-B 530 A4.007
A-3.0-ACC(C) 531 A4.004
A.1.0-B 532 A4.002
LV-1
WC-1
SH-1
KS-1
WB-1
MS-1
BOP: 8' - 5 1/2"
BOP: 9' - 5 1/2"
BOP: 8' - 7 1/4"
BOP: 8' - 8 1/2"
BOP: 9' - 9 3/4"
BOP: 8' - 6 5/8"
BOP: 9' - 6"
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1 Level 05 Area B2 Water Supply Layout
1/4" = 1'-0"

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

GENERAL NOTES:

1. The BOP is measured from LEVEL 05(48'6").
2. The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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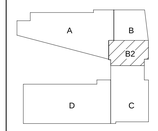
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

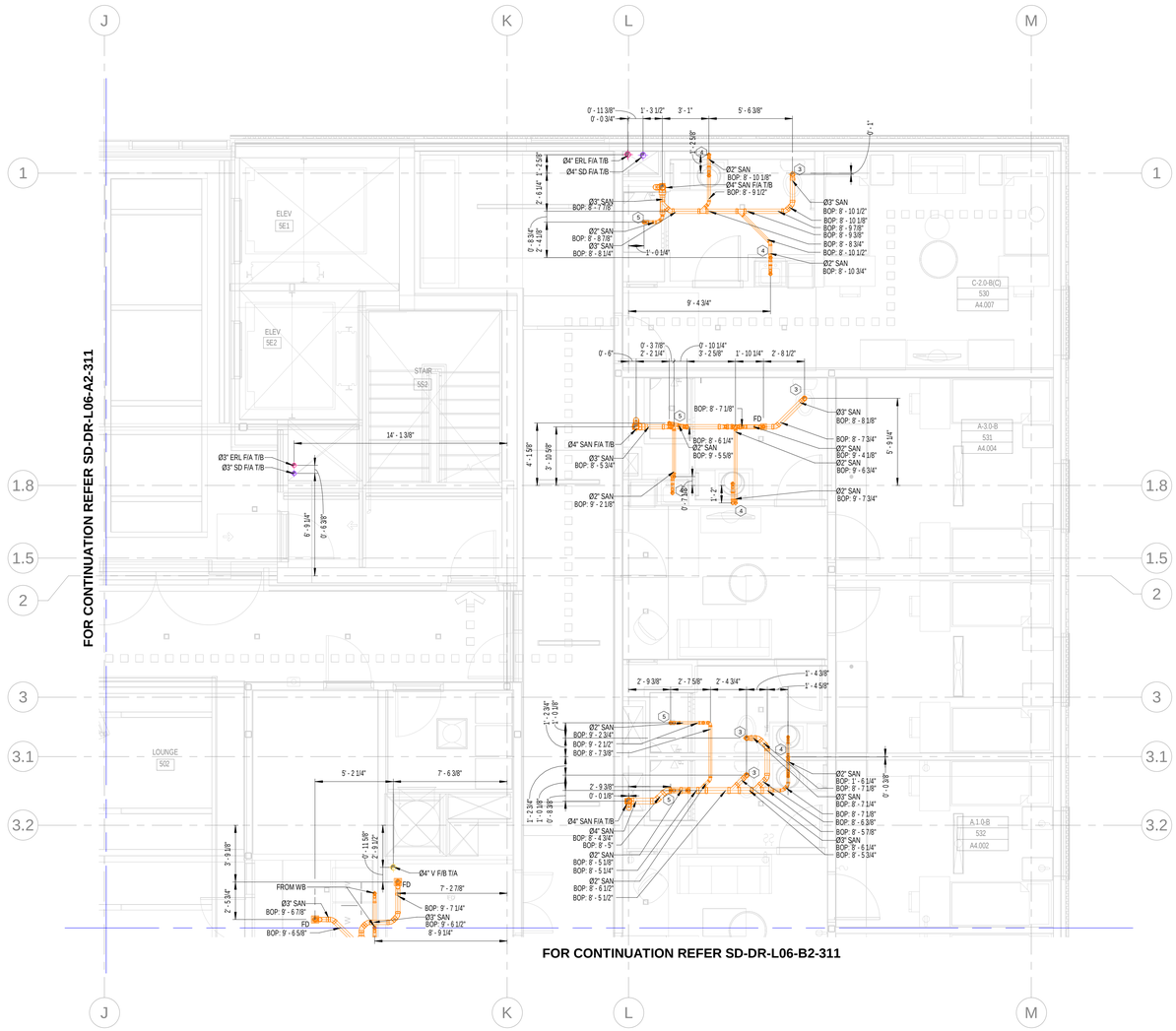
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-08-2021

DRAWING TITLE
Level 05 Area B2 Water Supply Layout

DRAWING NO.
SD-WS-L05-B2-312

Forum # | MMA # 19050



FOR CONTINUATION REFER SD-DR-L06-B2-311

1 LEVEL 06 Area B1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 06 (59'-0").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

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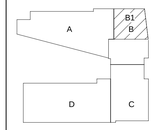
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KEY PLAN:



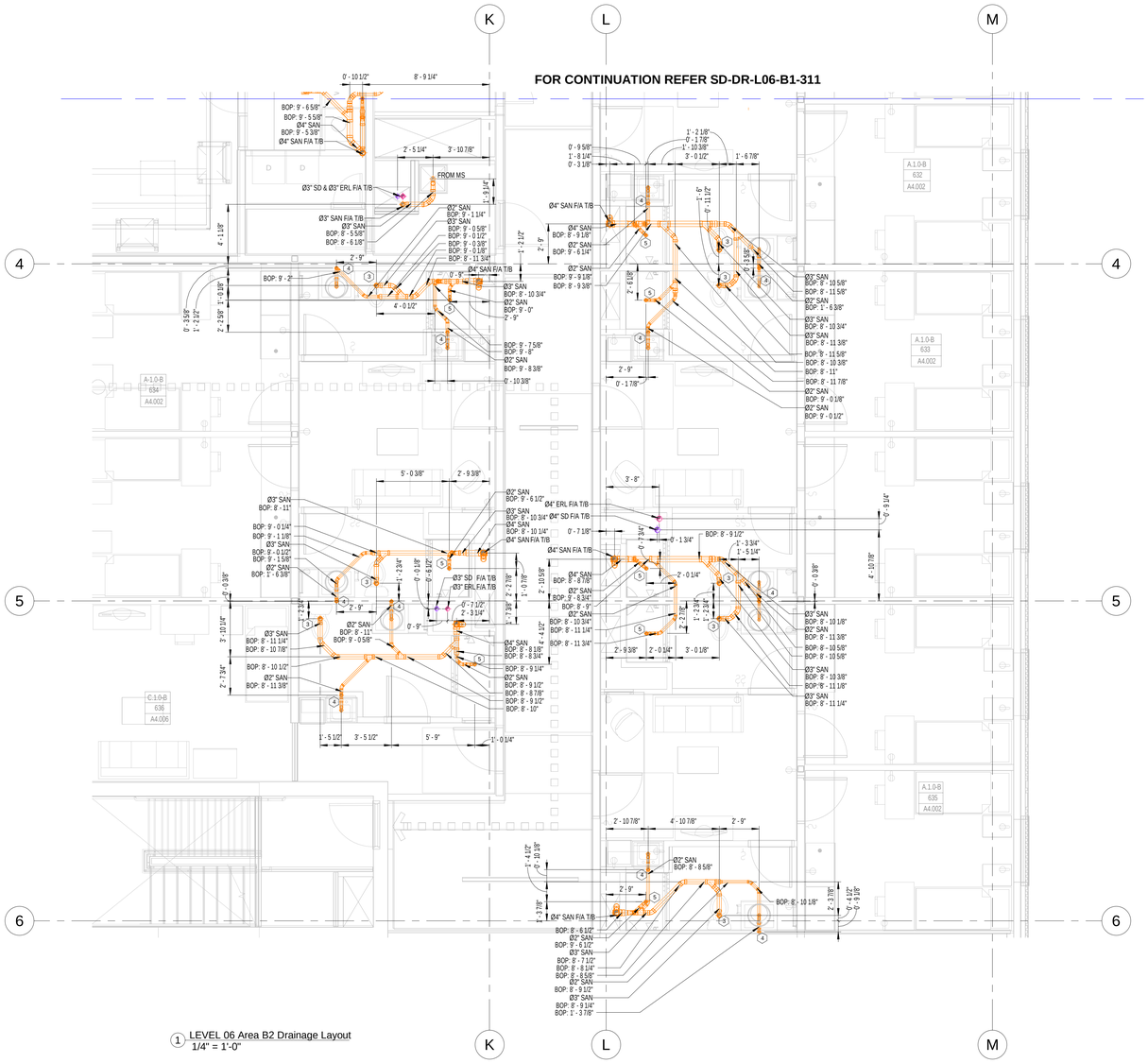
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-13-2021

DRAWING TITLE
Level 06 Area B1 Drainage Layout

DRAWING NO.
SD-DR-L06-B1-311

Forum #		MMA #	19050



1 LEVEL 06 Area B2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 06 (59'-0").
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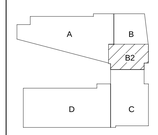
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KEY PLAN:



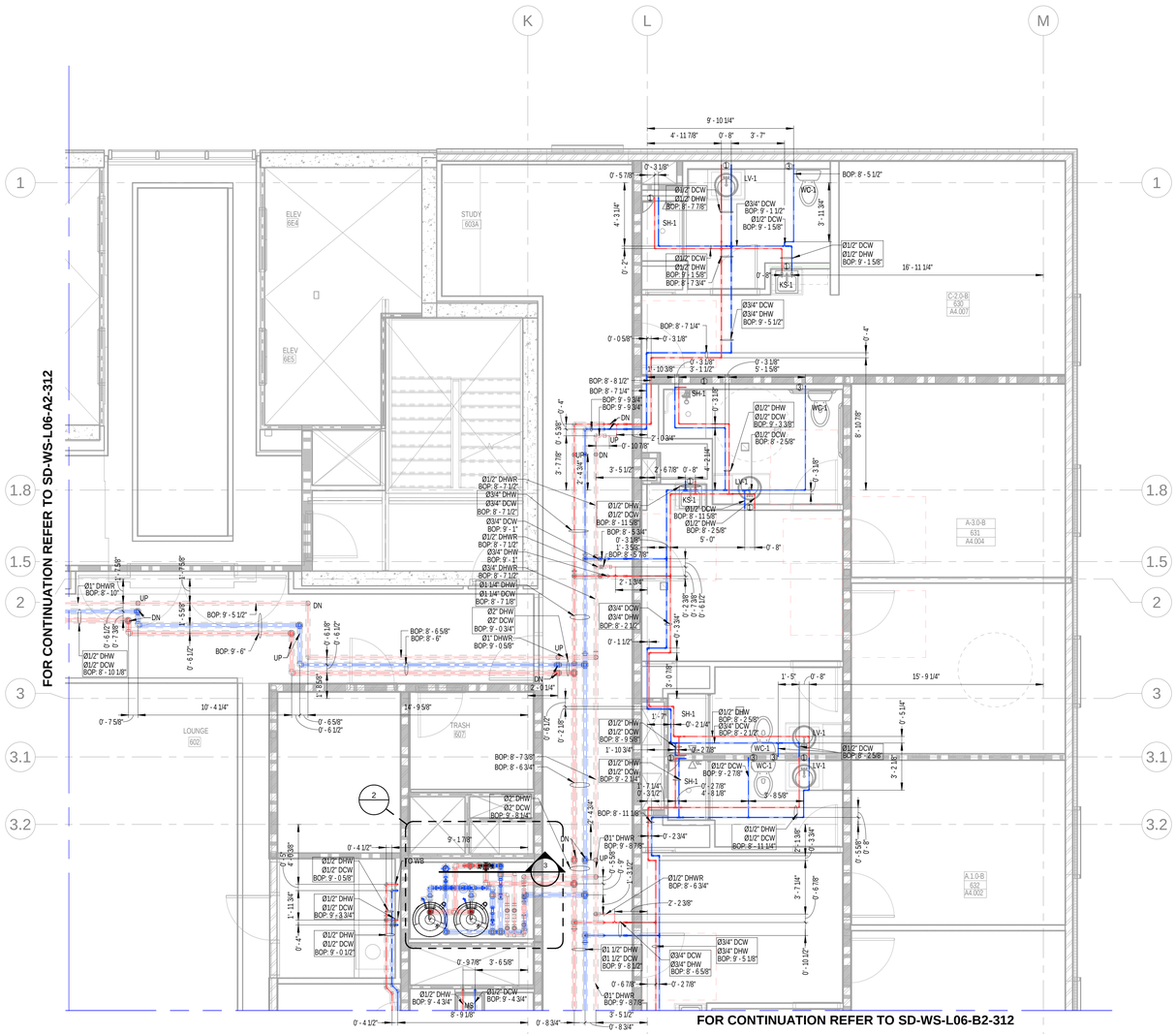
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1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-14-2021

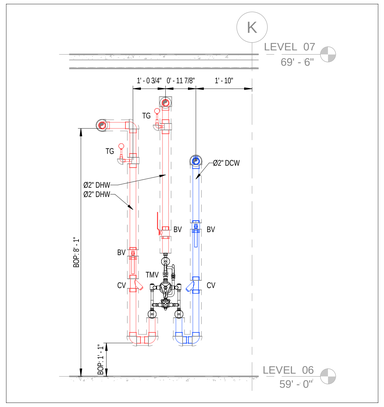
DRAWING TITLE
LEVEL 06 Area B2 Drainage Layout

DRAWING NO.
SD-DR-L06-B2-311

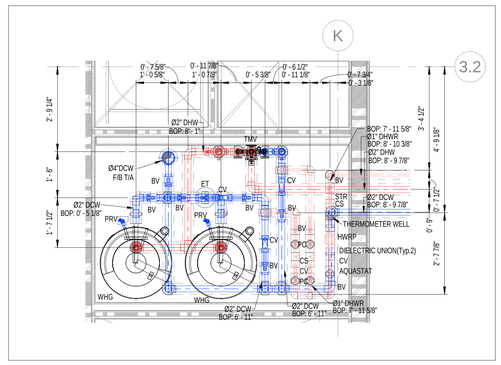
Forum #		MMA #	19050



1 Level 06 Area B1 Water Supply Layout
1/4" = 1'-0"



3 Level 06 Area B1 Water Supply Section
1/2" = 1'-0"



2 Level 06 Area B1 Water Supply Callout
1/2" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 06(59'00").
2.The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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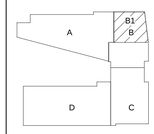
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KEY PLAN:



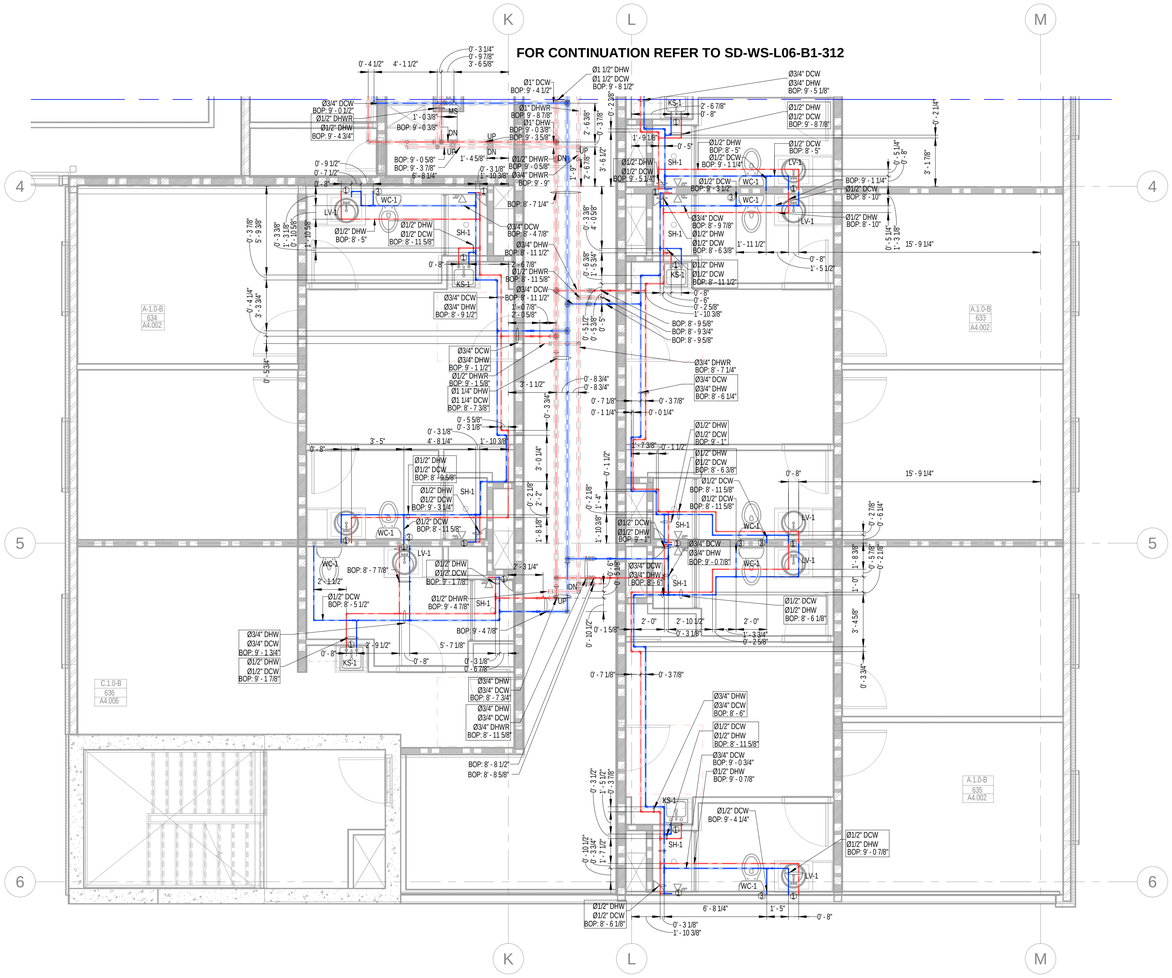
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-08-2021

DRAWING TITLE
Level 06 Area B1 Water Supply Layout

DRAWING NO.
SD-WS-L06-B1-312

Forum #		MMA #	19050



1 Level 06 Area B2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 06(59'00").
2. The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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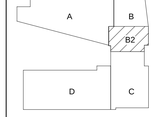
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-08-2021

DRAWING TITLE

Level 06 Area B2 Water Supply Layout

DRAWING NO.

SD-WS-L06-B2-312

Forum #		MMA #	19050



1 Level 07 Area B1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 07 (69'-6").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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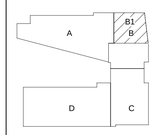
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-14-2021

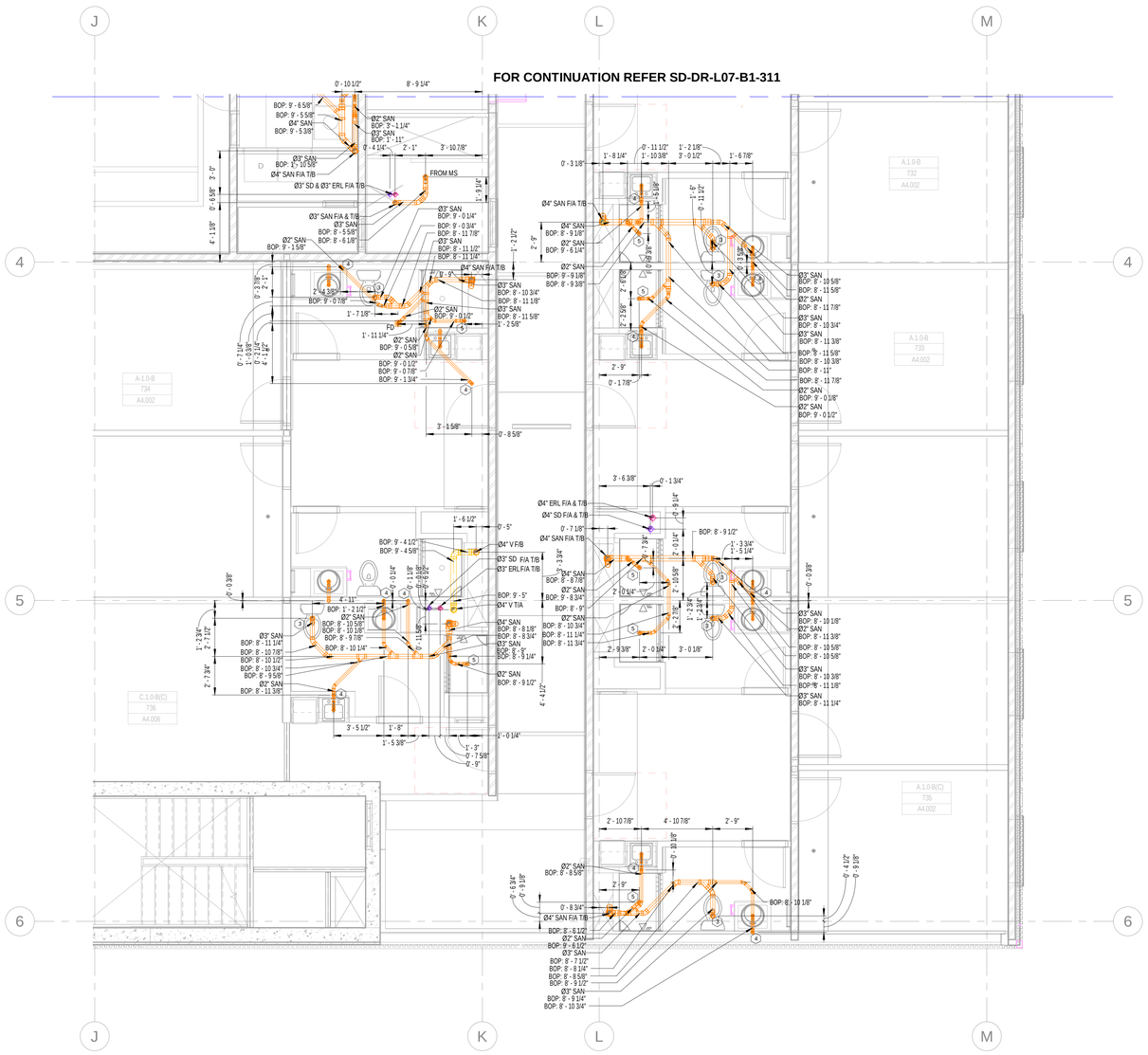
DRAWING TITLE

Level 07 Area B1 Drainage Layout

DRAWING NO.

SD-DR-L07-B1-311

Forum #		MMA #	19050



1 Level 07 Area B2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 07 (69'-6").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
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WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
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F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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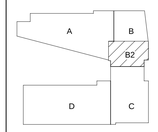
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KEY PLAN:



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1470 SPRING ST. ATLANTA, GA 30309

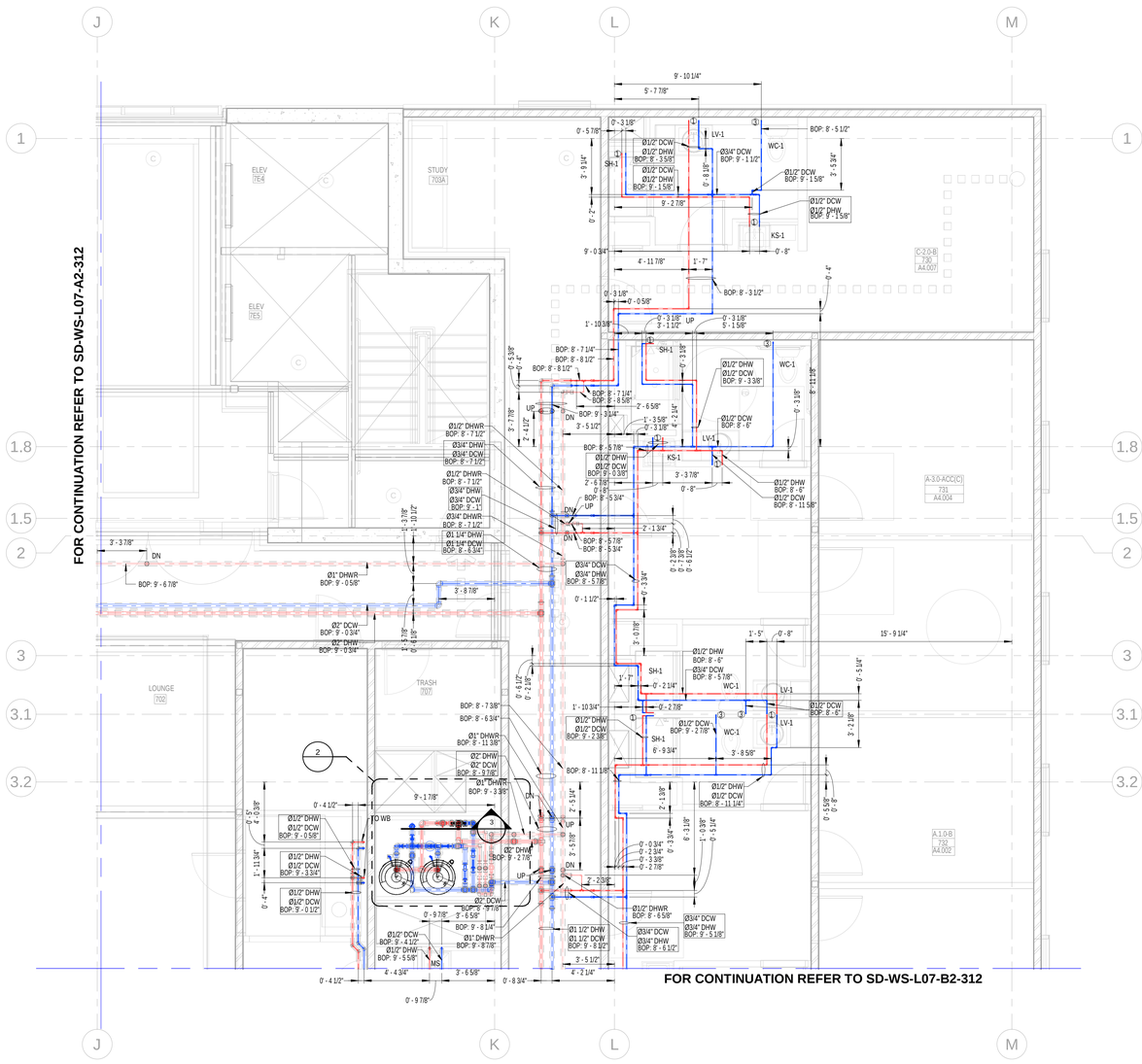
REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-14-2021

DRAWING TITLE
Level 07 Area B2 Drainage Layout

DRAWING NO.
SD-DR-L07-B2-311

Forum #		MMA #	19050

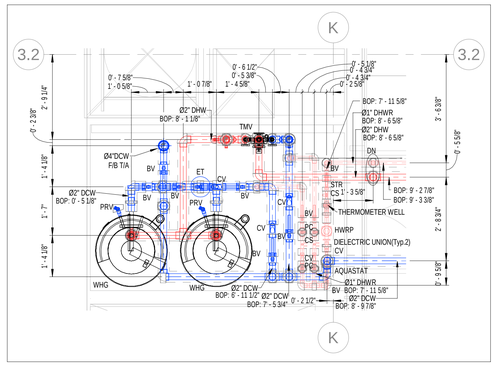
FOR CONTINUATION REFER TO SD-WS-L07-A2-312



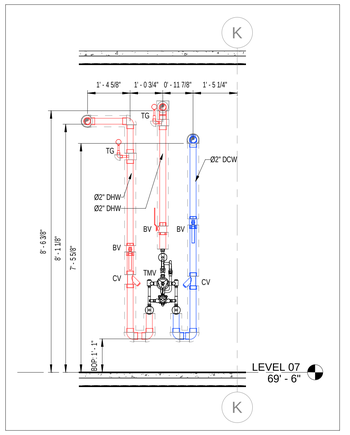
1 Level 07 Area B1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:
1.The BOP is measured from North LEVEL 07(69'-6").
2.The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
*	CIRCUIT SETTER(CS)
	ADAPTER



2 Level 07 Area B1 Water Supply Layout - Callout
1/2" = 1'-0"



3 Level 07 Area B Water Supply Section
1/2" = 1'-0"

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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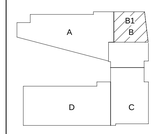
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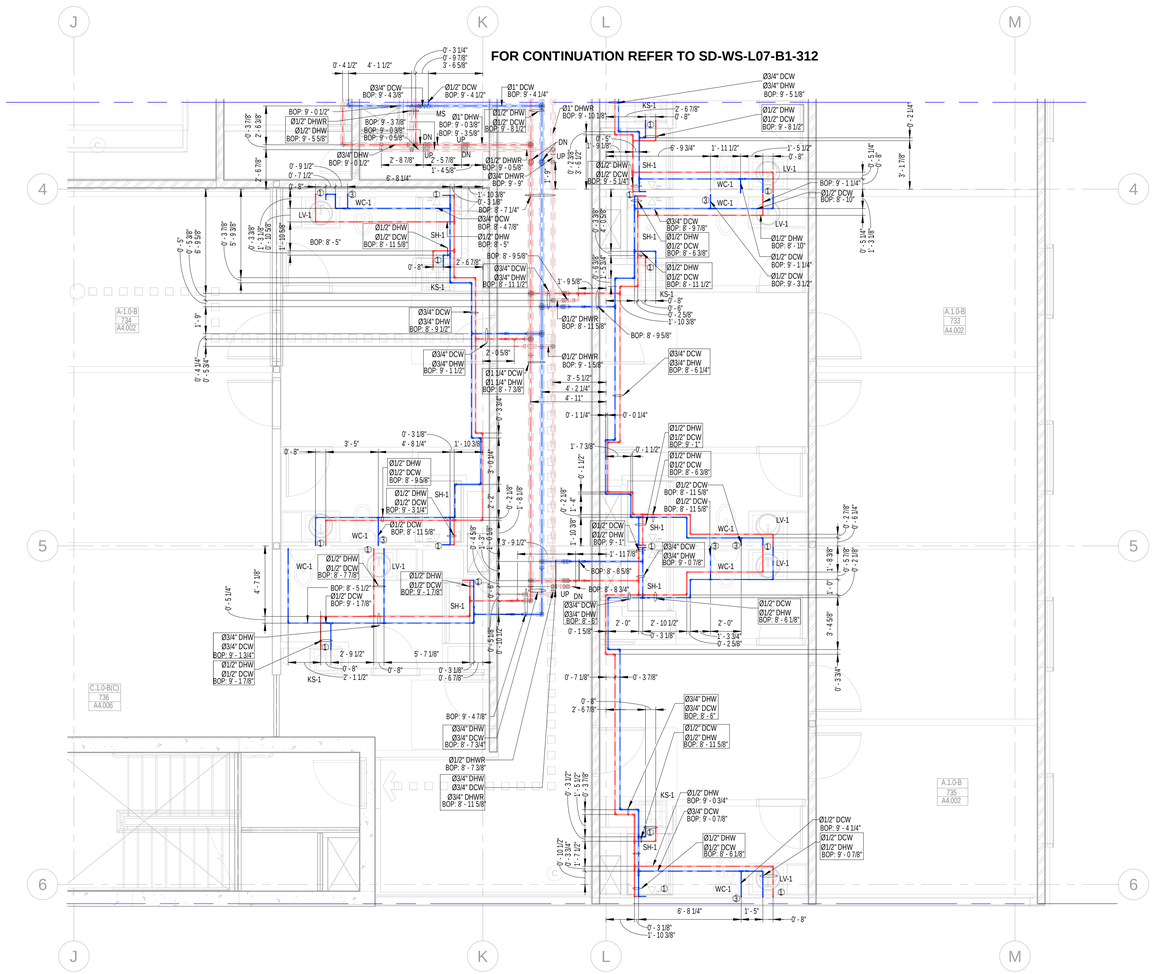
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST, ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-26-2021

DRAWING TITLE
Level 07 Area B1 Water Supply Layout

DRAWING NO.
SD-WS-L07-B1-312

Forum #
MMA # 19050



1 Level 07 Area B2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from North LEVEL 07(69'-6").
2.The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
⋈	BALL VALVE(BV)
*	CIRCUIT SETTER(CS)
⊡	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
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BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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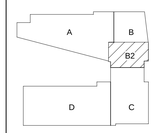
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KEY PLAN:



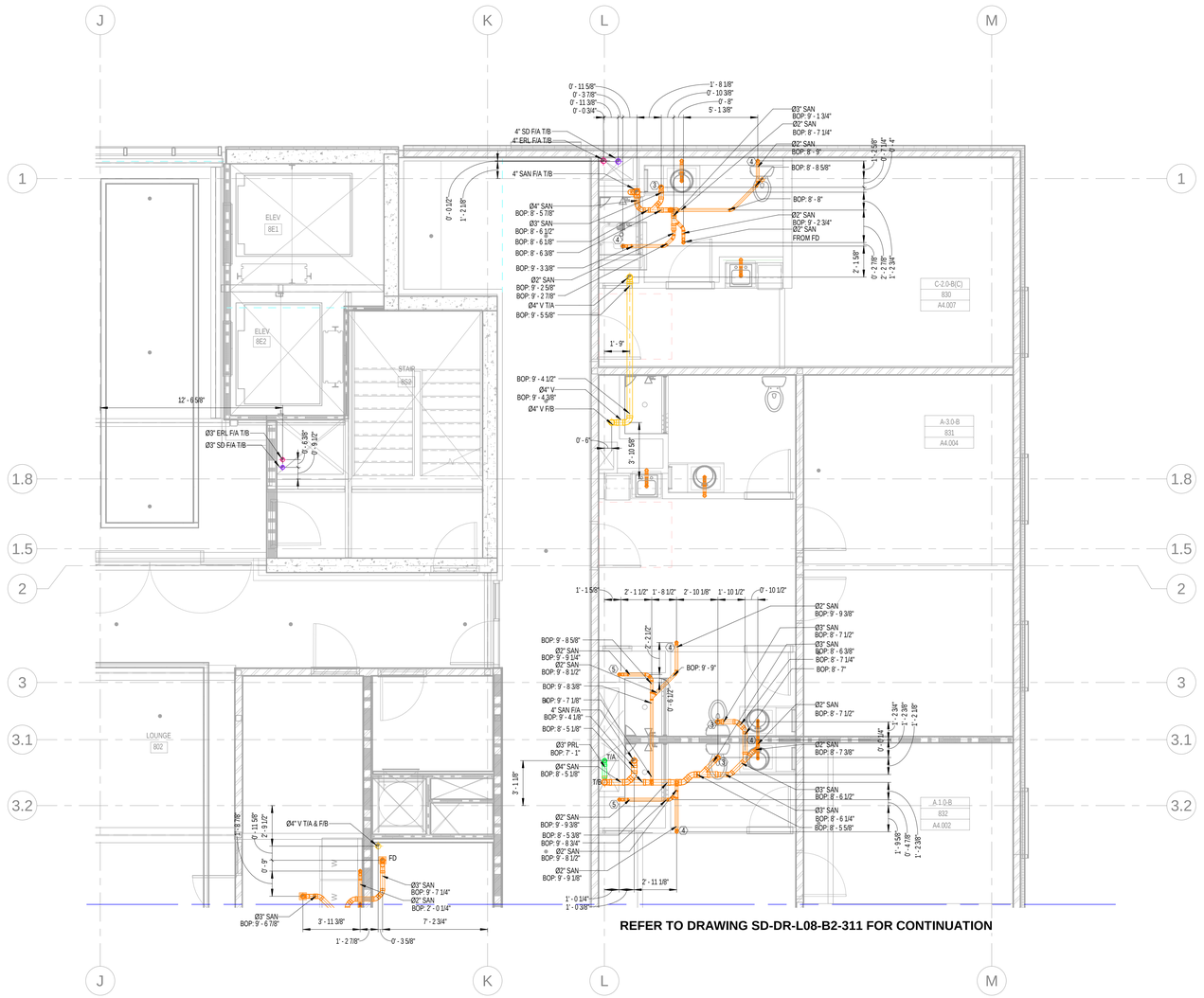
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1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-26-2021

DRAWING TITLE
Level 07 Area B2 Water Supply Layout

DRAWING NO.
SD-WS-L07-B2-312

Forum #		MMA #	19050



1 Level 08 Area B1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 08 (80'-0").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & ERL is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2' GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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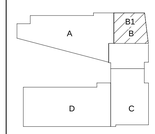
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KEY PLAN:



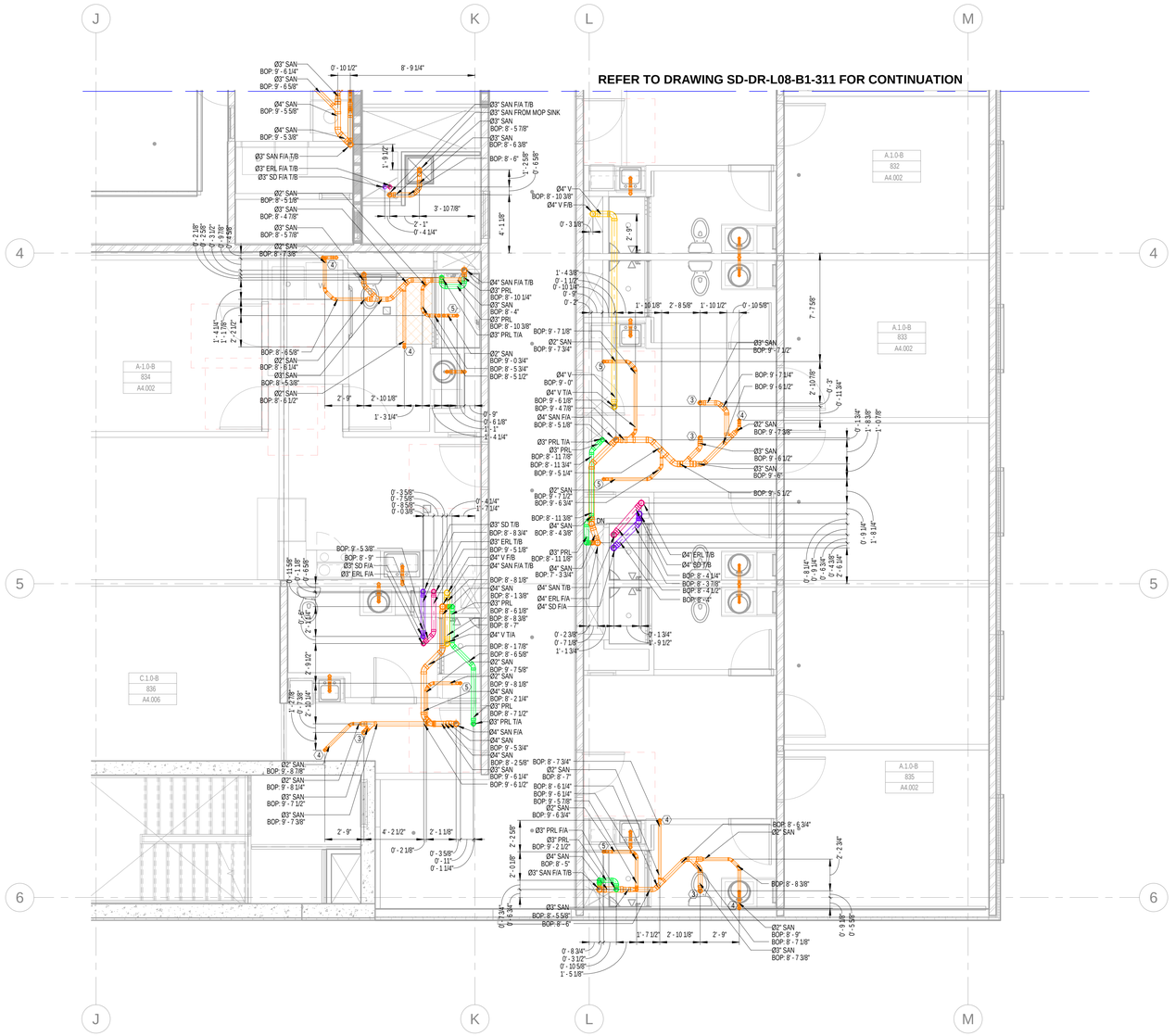
SCAD CAMPUS DEVELOPMENT
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	11-18-2021

DRAWING TITLE
Level 08 Area B1 Drainage Layout

DRAWING NO.
SD-DR-L08-B1-311

Forum # | MMA # 19050



1 Level 08 Area B2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 08 (80'-0").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & ERL is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
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2	4" GW T/B & 4" GV T/A
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ABBREVIATION	DESCRIPTION
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SD	STORM DRAIN
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F/A	FLOOR ABOVE
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DN	DOWN
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F/B	FROM BELOW
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GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
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ERL	EMERGENCY RAIN LEADER
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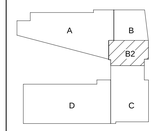
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	11-18-2021

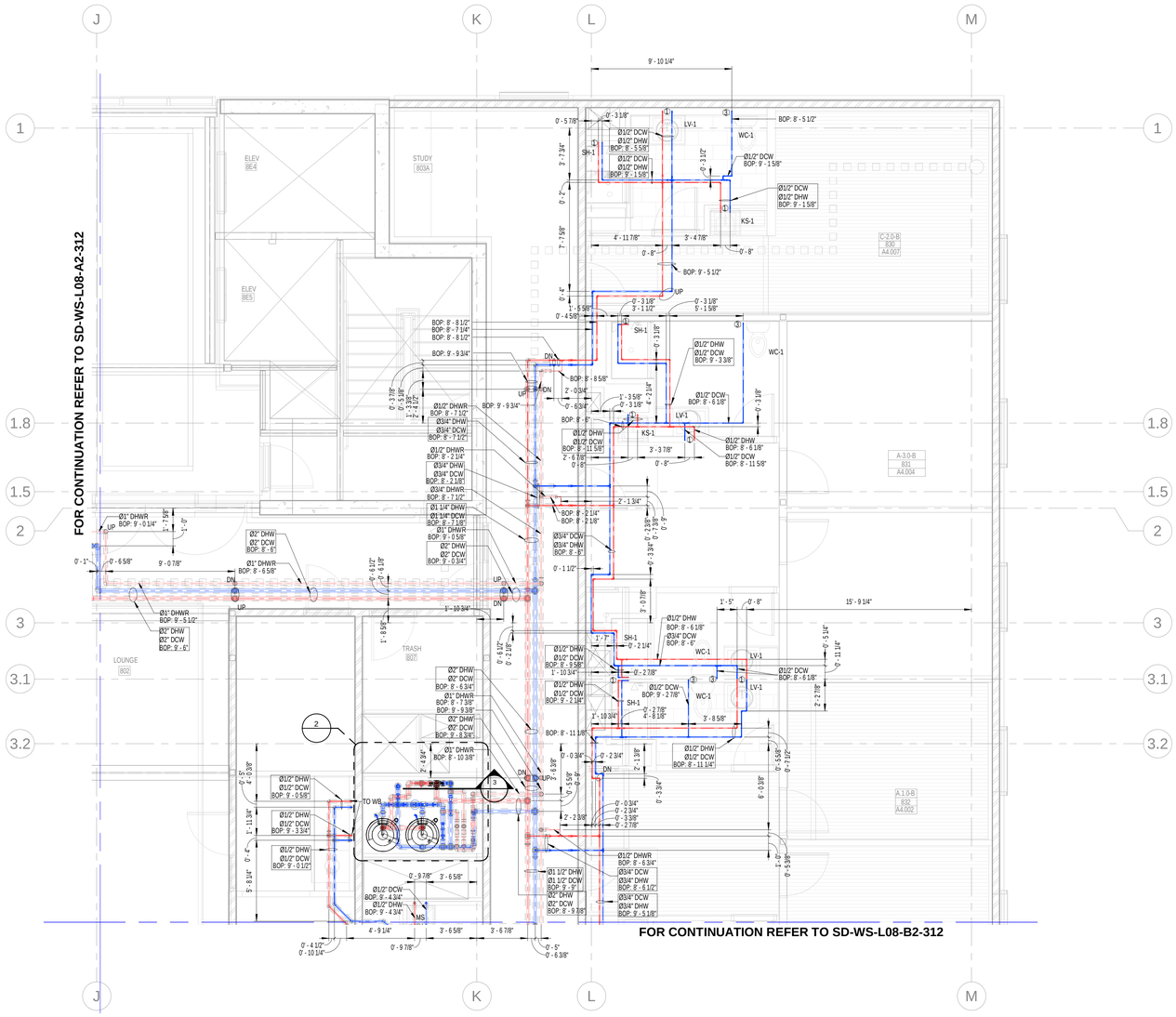
DRAWING TITLE

Level 08 Area B2 Drainage Layout

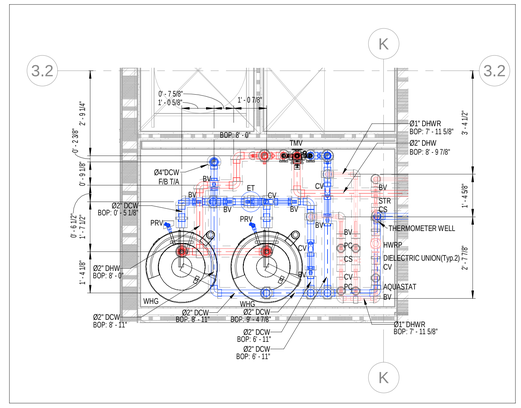
DRAWING NO.

SD-DR-L08-B2-311

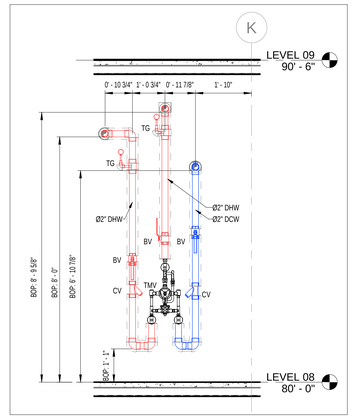
Forum #		MMA #	19050



1 Level 08 Area B1 Water Supply Layout
1/4" = 1'-0"



2 Level 08 Area B1 Water Supply Layout - Callout
1/2" = 1'-0"



3 Level 08 Area B Water Supply Section
1/2" = 1'-0"

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

GENERAL NOTES:

1. The BOP is measured from North LEVEL 08 (80'-0").
2. The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
⋈	BALL VALVE(BV)
*	CIRCUIT SETTER(CS)
⊏	ADAPTER

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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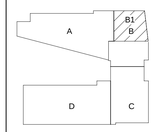
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KEY PLAN:



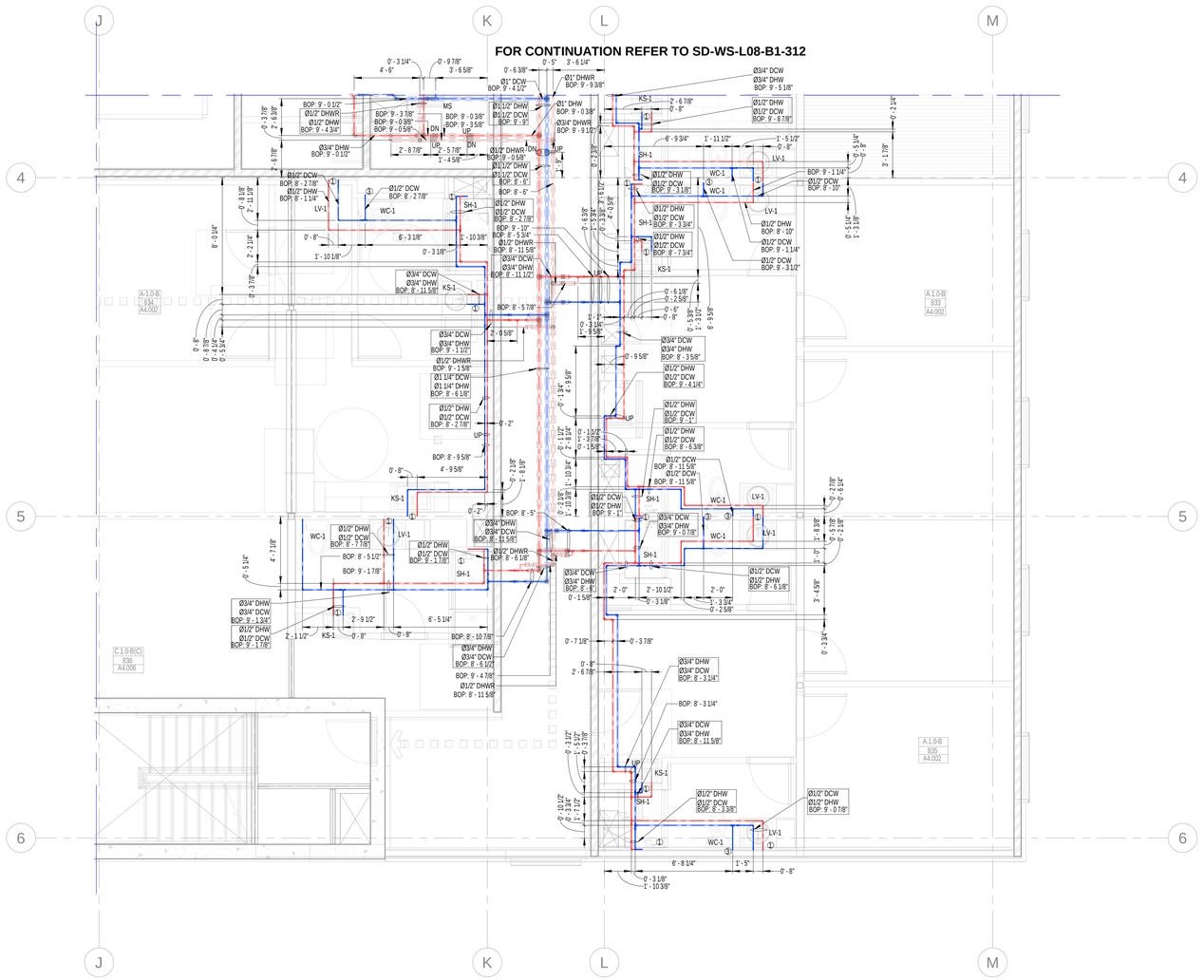
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	11-25-2021

DRAWING TITLE
Level 08 Area B1 Water Supply Layout

DRAWING NO.
SD-WS-L08-B1-312

Forum # | MMA # 19050



1 Level 08 Area B2 Water Supply Layout
1/4" = 1'-0"

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

GENERAL NOTES:

1. The BOP is measured from North LEVEL 08 (80'-0").
2. The insulation for all pipe sizes is 1".

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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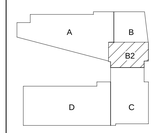
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KEY PLAN:



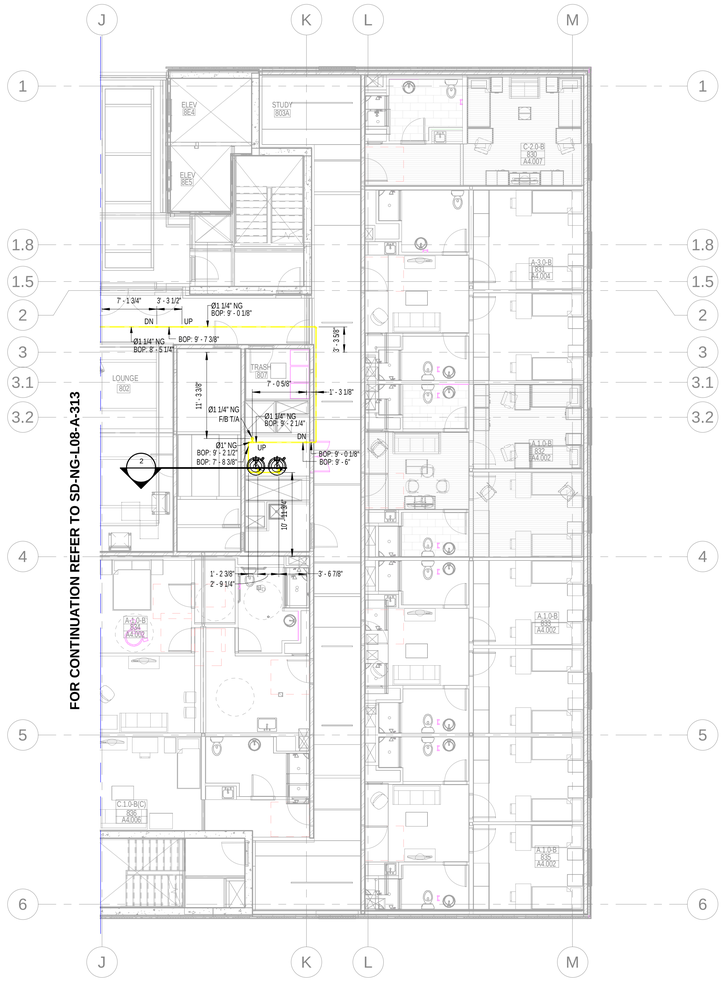
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	11-25-2021

DRAWING TITLE
Level 08 Area B2 Water Supply Layout

DRAWING NO.
SD-WS-L08-B2-312

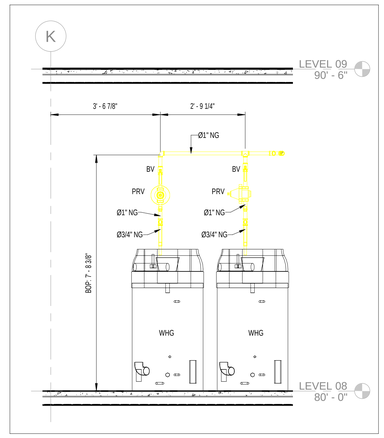
Forum # | MMA # 19050



1 Level 08 Area B Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 08(80'00").



2 Level 08 Area B Natural Gas Section
1/2" = 1'-0"

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

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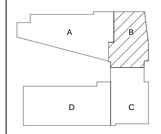
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	11-25-2021

DRAWING TITLE

Level 08 Area B Natural Gas Layout

DRAWING NO.

SD-NG-L08-B-313

Forum #		MMA #	19050



1 Level 09 Area B1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 09 (90'-6").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & ERL is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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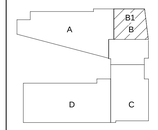
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	11-26-2021

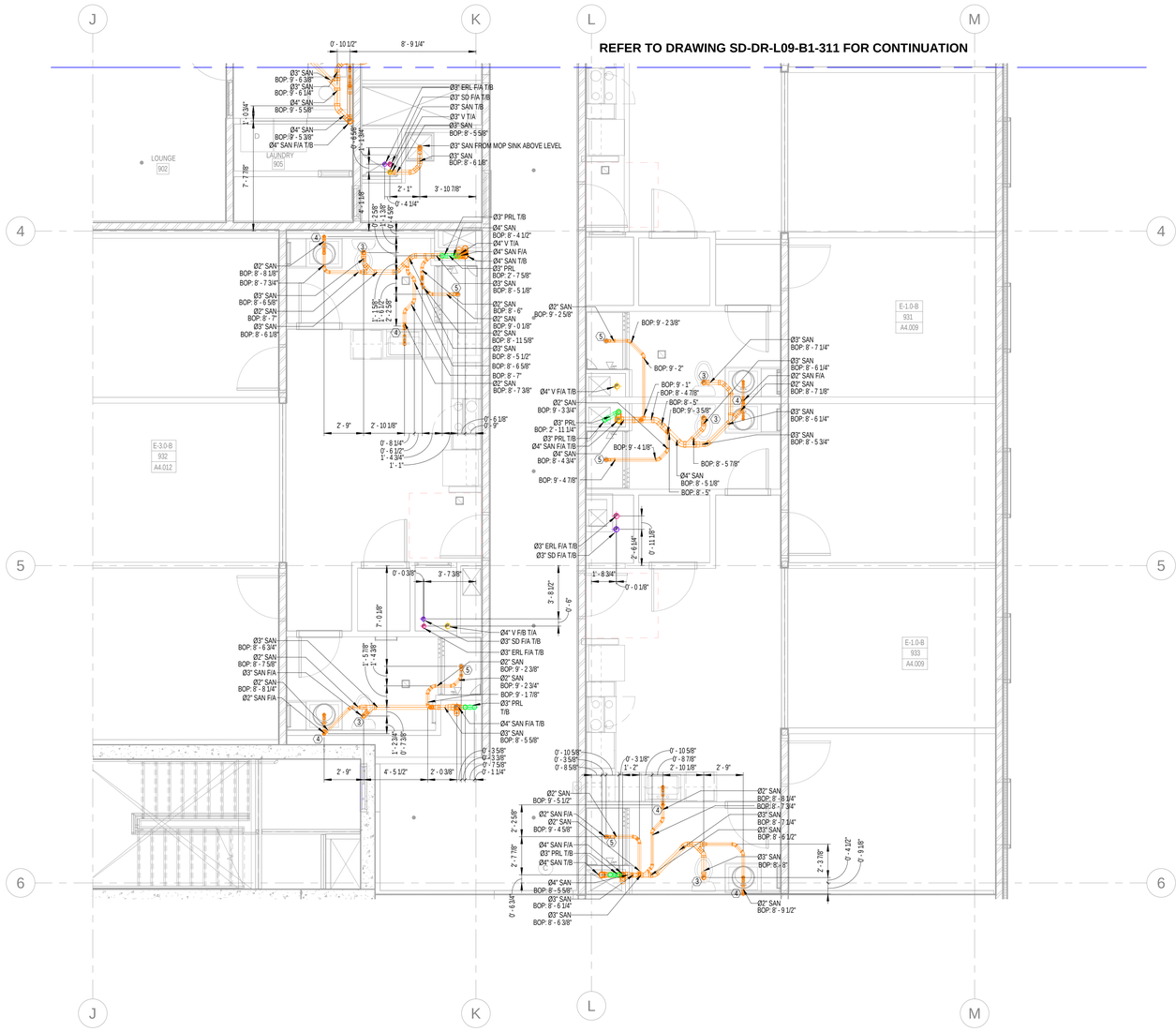
DRAWING TITLE

Level 09 Area B1 Drainage Layout

DRAWING NO.

SD-DR-L09-B1-311

Forum #		MMA #	19050



1 Level 09 Area B2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 09 (90'-6").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & ERL is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
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DN	DOWN
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F/B	FROM BELOW
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GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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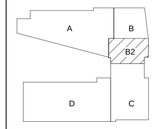
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	11-26-2021

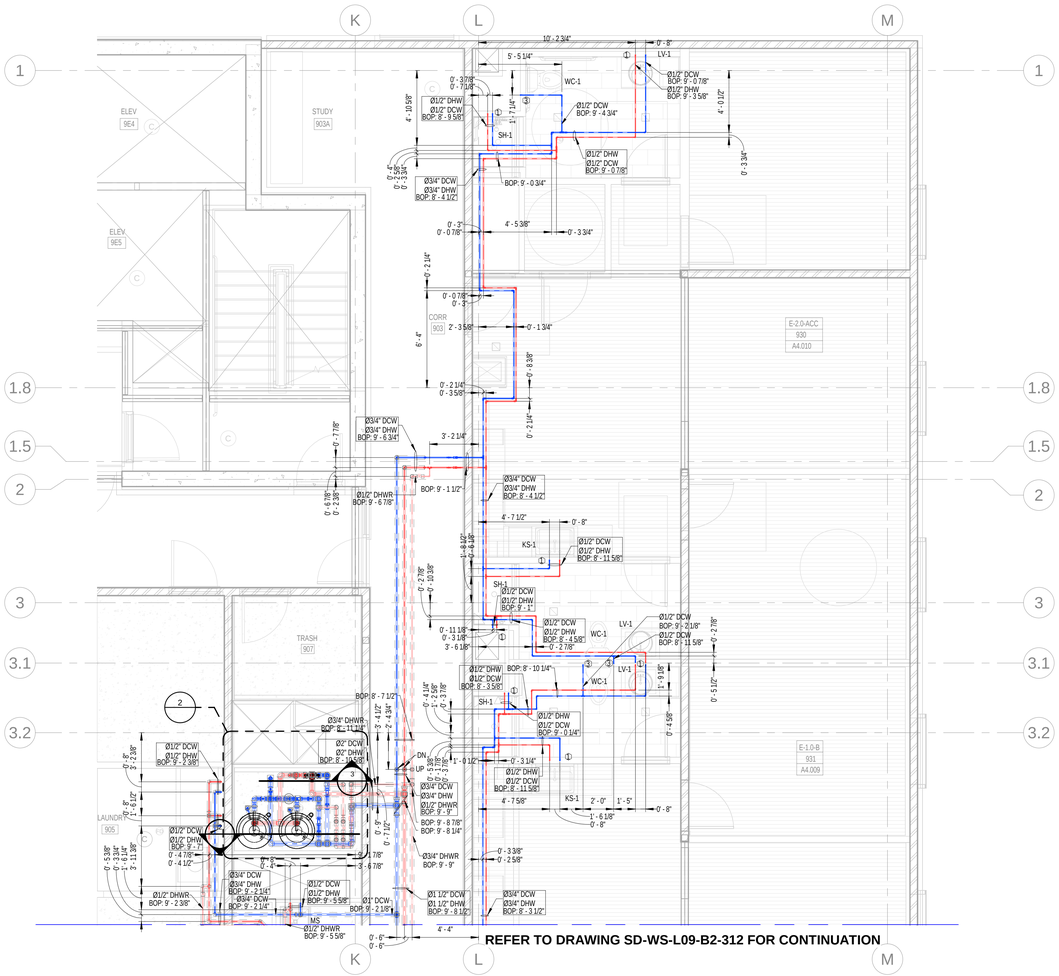
DRAWING TITLE

Level 09 Area B2 Drainage Layout

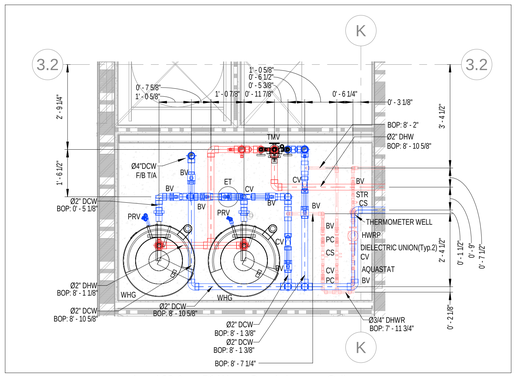
DRAWING NO.

SD-DR-L09-B2-311

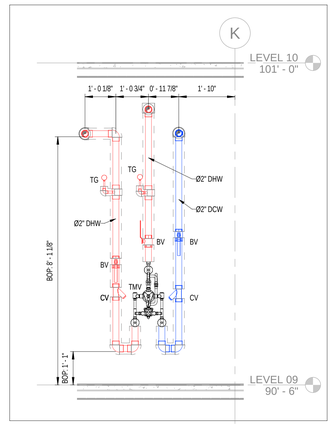
Forum #		MMA #	19050



1 Level 09 Area B1 Water Supply Layout
1/4" = 1'-0"



2 Level 09 Area B1 Water Supply Layout - Callout
1/2" = 1'-0"



3 Level 09 Area B1 Water Supply Section
1/2" = 1'-0"

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

GENERAL NOTES:

1.The BOP is measured from North LEVEL 09 (90'-6").
2.The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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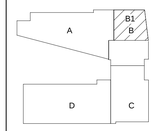
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KEY PLAN:



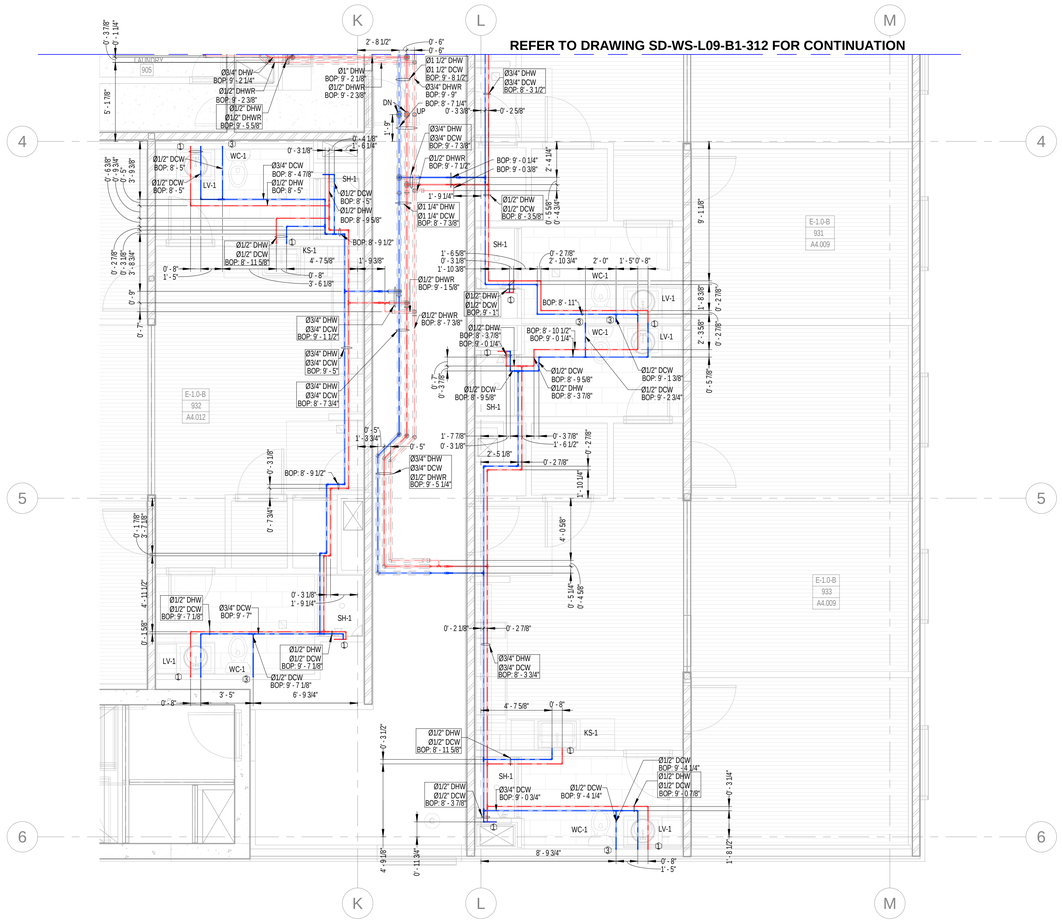
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	12-06-2021

DRAWING TITLE
Level 09 Area B1 Water Supply Layout

DRAWING NO.
SD-WS-L09-B1-312

Forum # | MMA # 19050



1 Level 09 Area B2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from North LEVEL 09 (90'-6").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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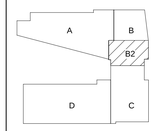
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	12-06-2021

DRAWING TITLE
Level 09 Area B2 Water Supply Layout

DRAWING NO.
SD-WS-L09-B2-312

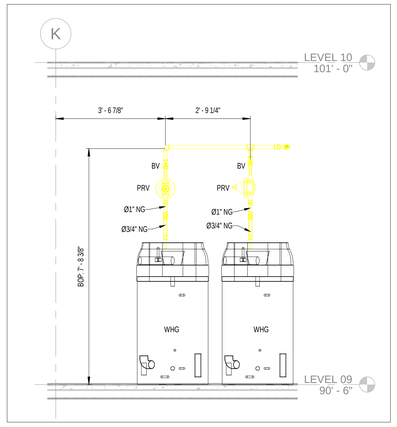
Forum #		MMA #	19050



1 Level 09 Area B Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 09(90'06").



2 Level 09 Area B Natural Gas Section
1/2" = 1'-0"

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE. ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

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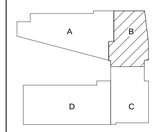
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	12-06-2021

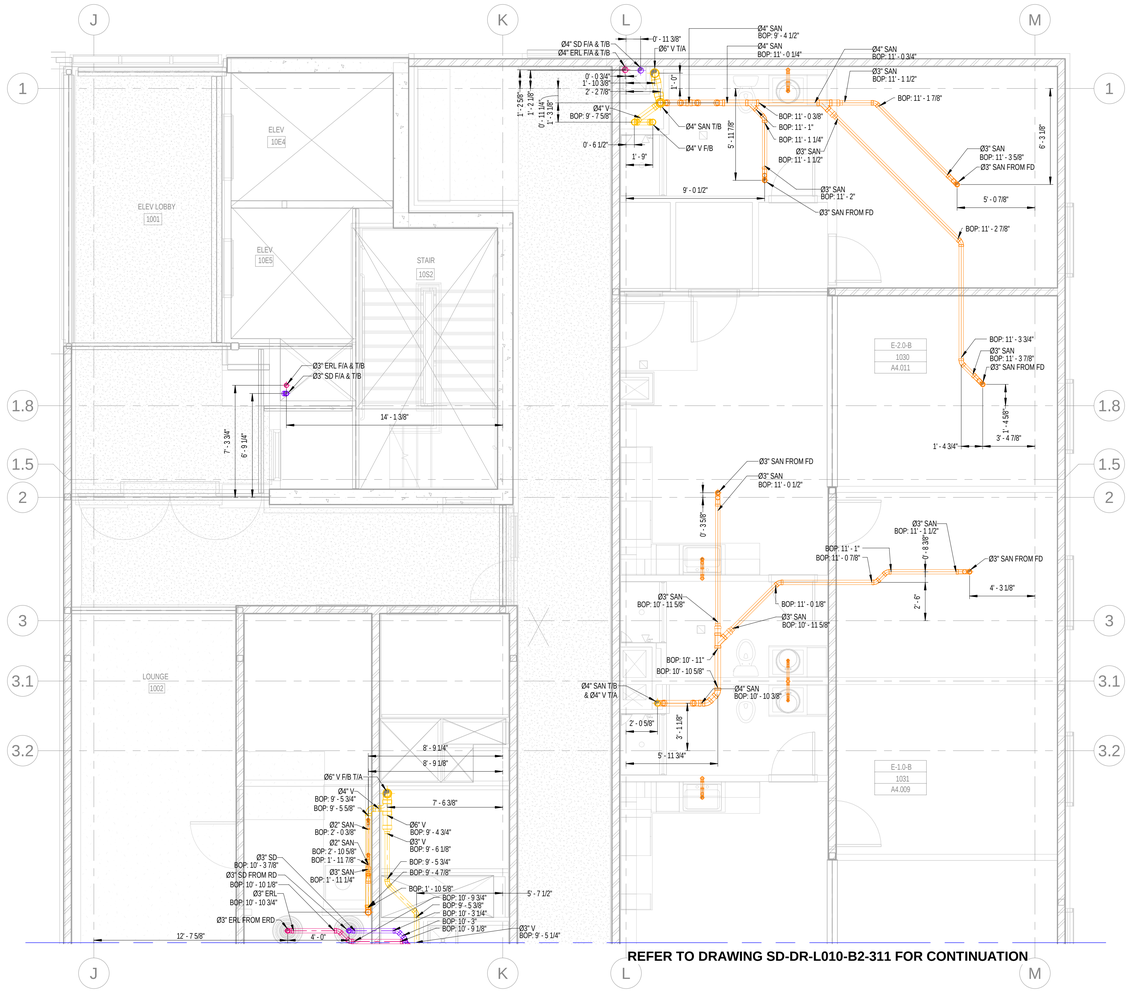
DRAWING TITLE

Level 09 Area B Natural Gas Layout

DRAWING NO.

SD-NG-L09-B-313

Forum #		MMA #	19050



1 Level 10 Area B1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 10 (101'-00").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & ERL is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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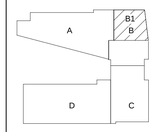
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KEY PLAN:



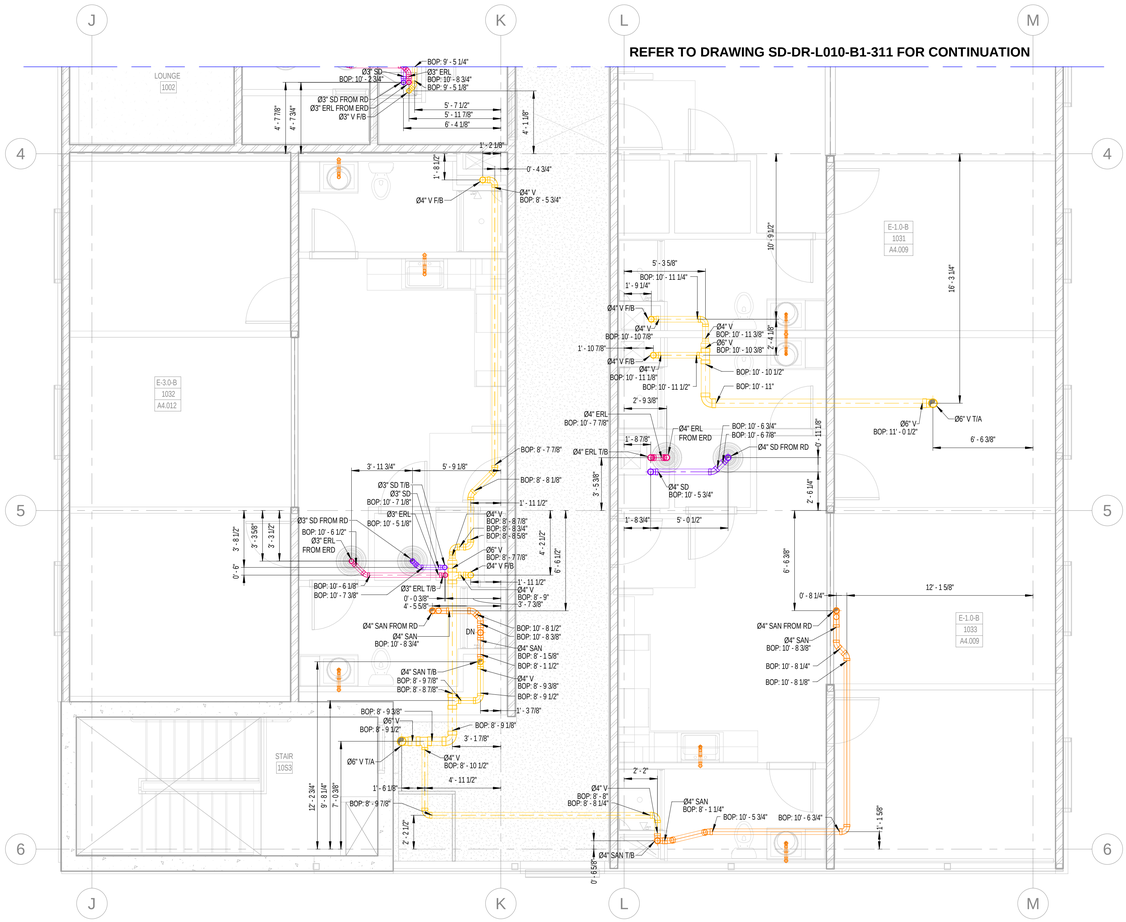
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	12-20-2021

DRAWING TITLE
Level 10 Area B1 Drainage Layout

DRAWING NO.
SD-DR-L10-B1-311

Forum # | MMA # 19050



1 Level 10 Area B2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 10 (101'-00").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & ERL is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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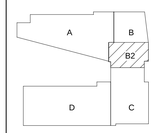
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	12-20-2021

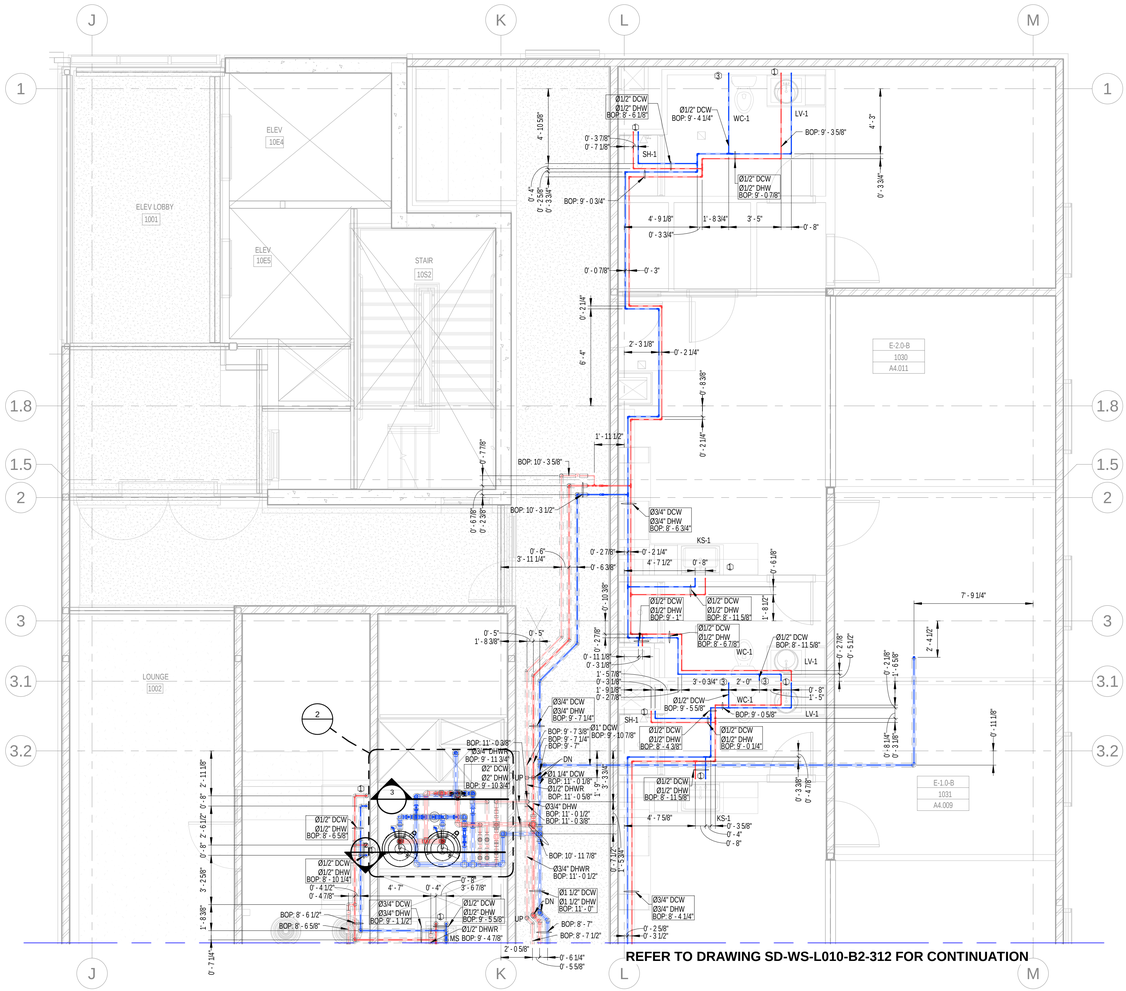
DRAWING TITLE

Level 10 Area B2 Drainage Layout

DRAWING NO.

SD-DR-L10-B2-311

Forum #		MMA #	19050

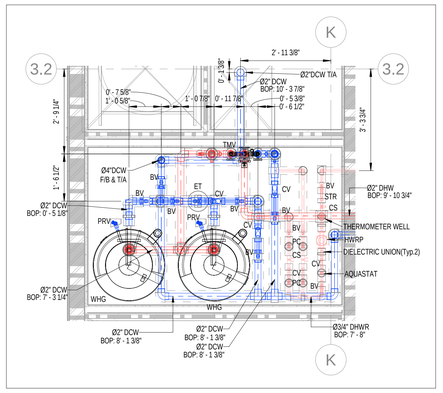


1 Level 10 Area B1 Water Supply Layout
1/4" = 1'-0"

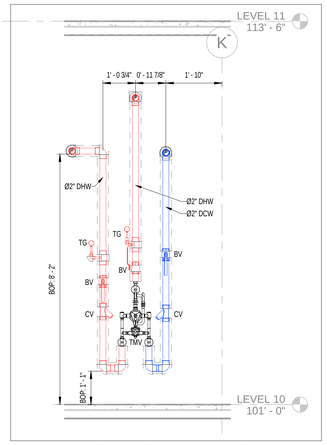
GENERAL NOTES:
1.The BOP is measured from North LEVEL 10 (101'-00"). 2.The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN



2 Level 10 Area B1 Water Supply Layout - Callout
1/2" = 1'-0"



3 Level 10 Area B1 Water Supply Section
1/2" = 1'-0"

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SIK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

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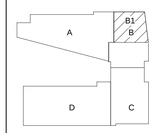
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KEY PLAN:



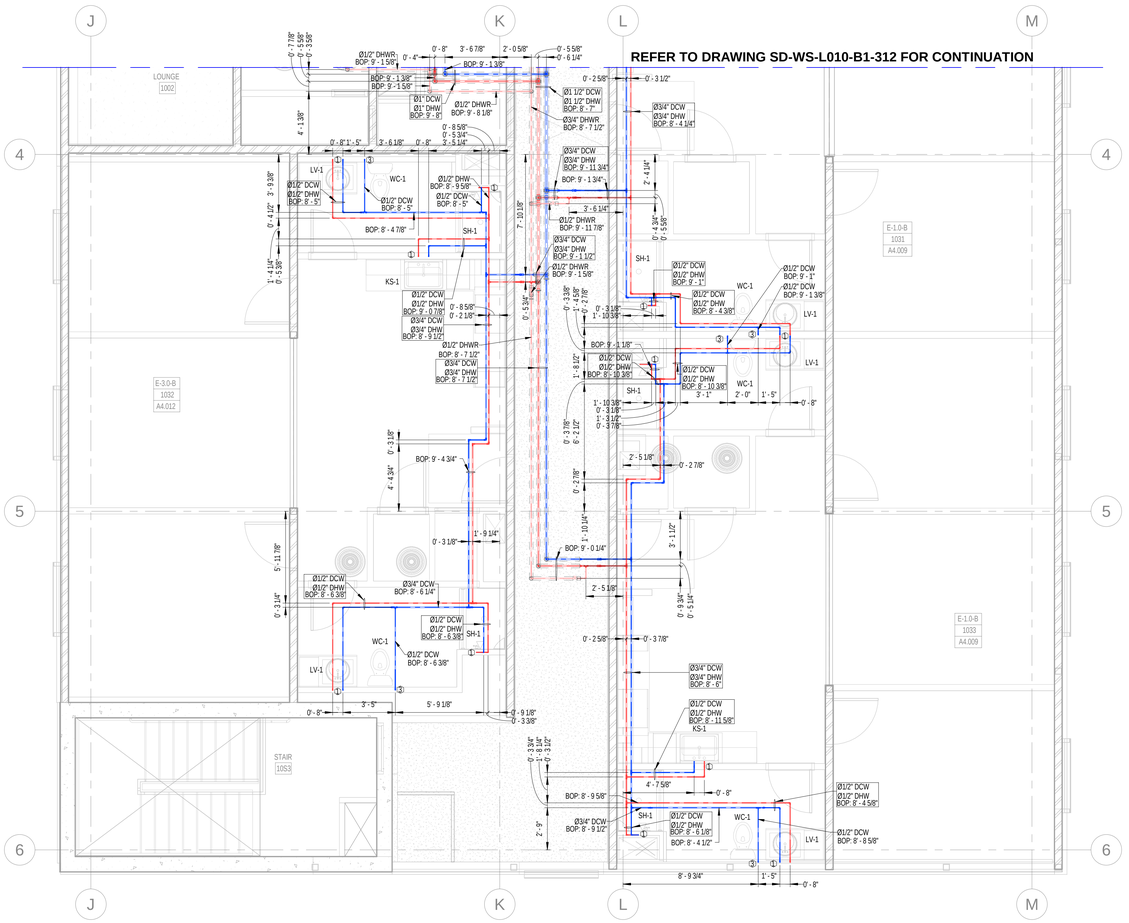
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	12-30-2021

DRAWING TITLE
Level 10 Area B1 Water Supply Layout

DRAWING NO.
SD-WS-L10-B1-312

Forum # | MMA # 19050



1 Level 10 Area B2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from North LEVEL 10 (101'-00").
2. The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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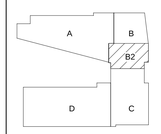
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	12-30-2021

DRAWING TITLE
Level 10 Area B2 Water Supply Layout

DRAWING NO.
SD-WS-L10-B2-312

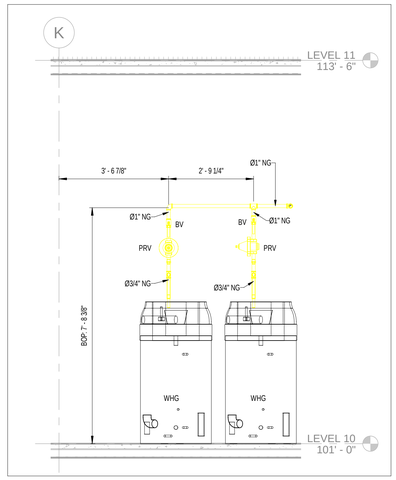
Forum #		MMA #	19050



1 Level 10 Area B Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 10(101'00").



2 Level 10 Area B Natural Gas Section
1/2" = 1'-0"

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
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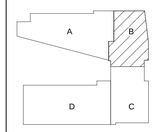
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	12-30-2021

DRAWING TITLE
Level 10 Area B Natural Gas Layout

DRAWING NO.
SD-NG-L10-B-313

Forum # | MMA # 19050



1 Level 11 Area B Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 11 (113'-06").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & ERL is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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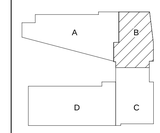
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	12-30-2021

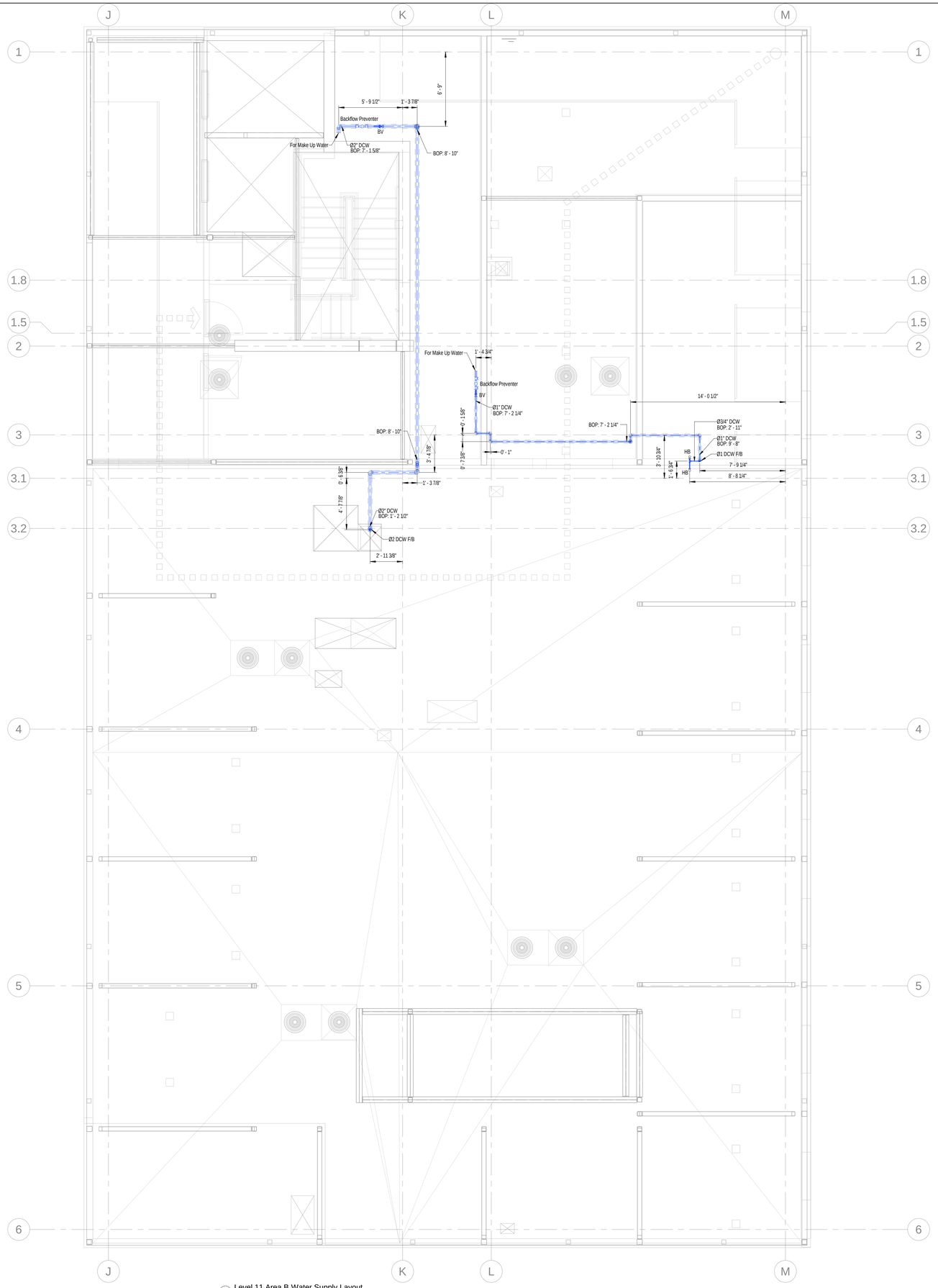
DRAWING TITLE

Level 11 Area B Drainage Layout

DRAWING NO.

SD-DR-L11-B-311

Forum #		MMA #	19050



1 Level 11 Area B Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LOWER LEVEL (-13' 00) for the pipes in the Tunnel area.
2.The IE is measured from LEVEL 01 (00' 00) for the pipes in the Tunnel area.
3. The insulation on DWS is 1" for all sizes.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

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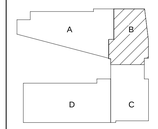
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	12-30-2021

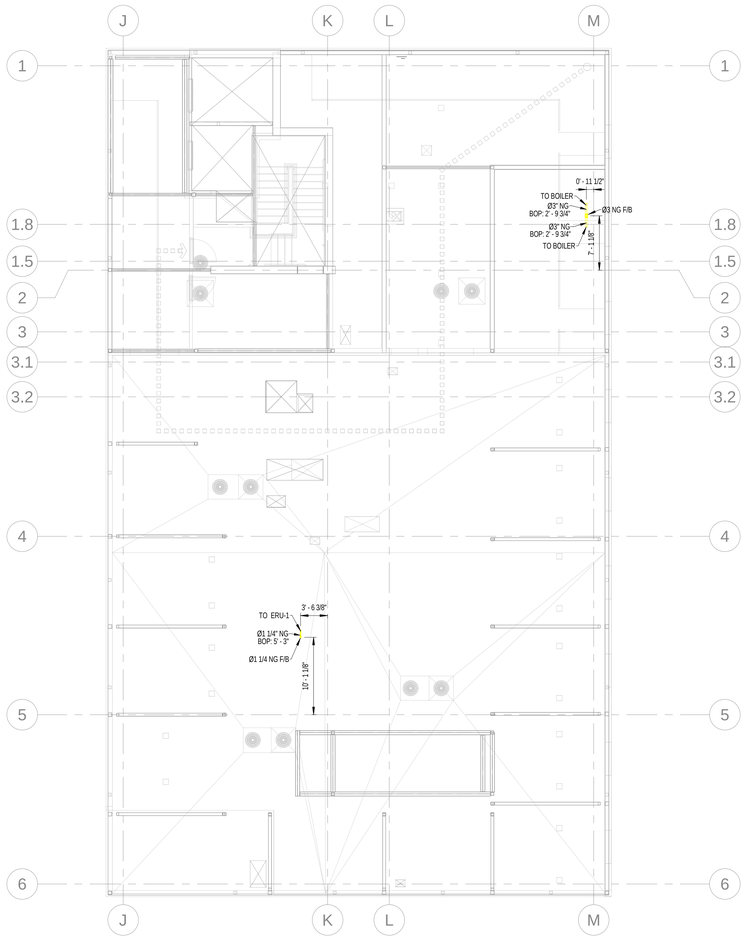
DRAWING TITLE

Level 11 Area B Water Supply Layout

DRAWING NO.

SD-WS-L11-B-312

Forum #		MMA #	19050



1 Level 11 Area B Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:
1.The BOP is measured from LEVEL 11(113'06").

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS

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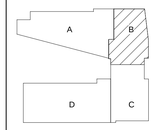
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	12-30-2021

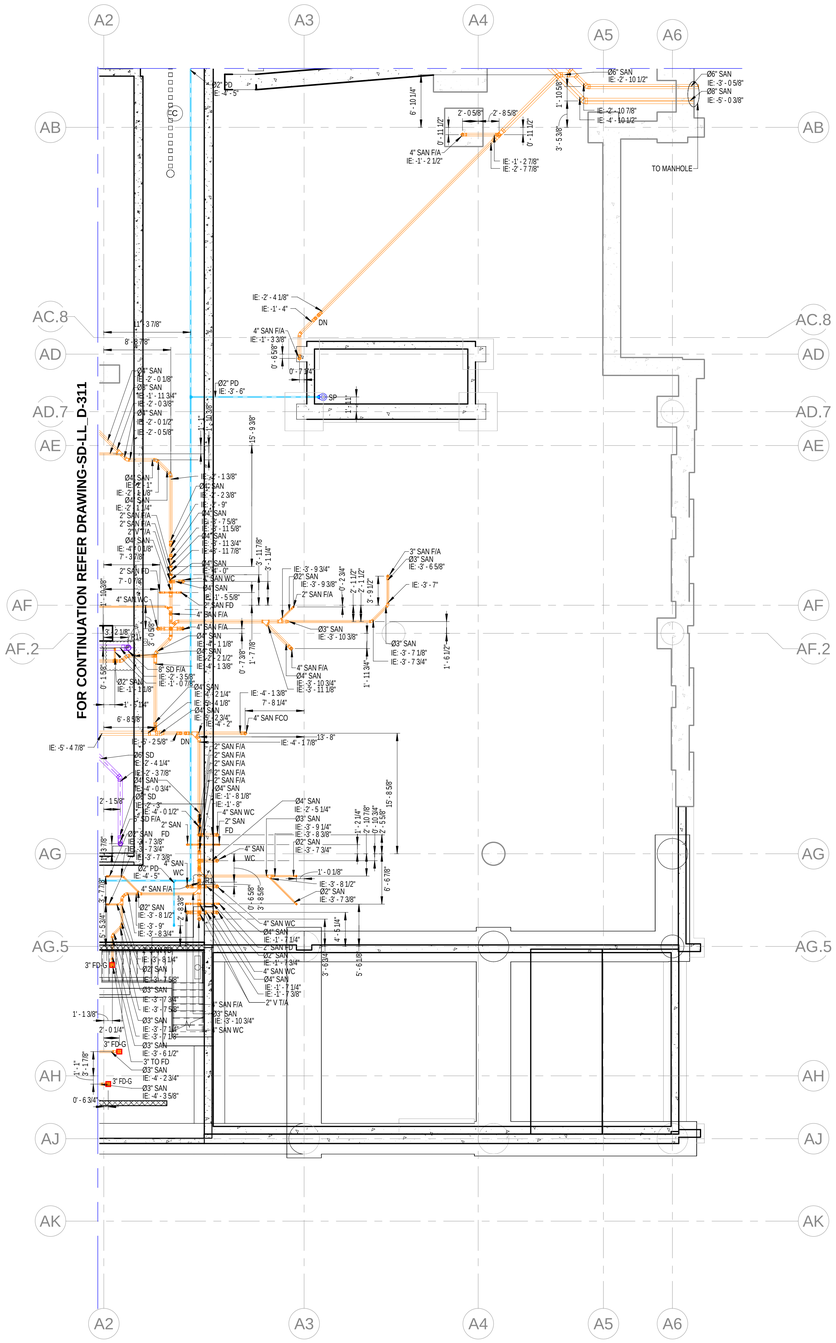
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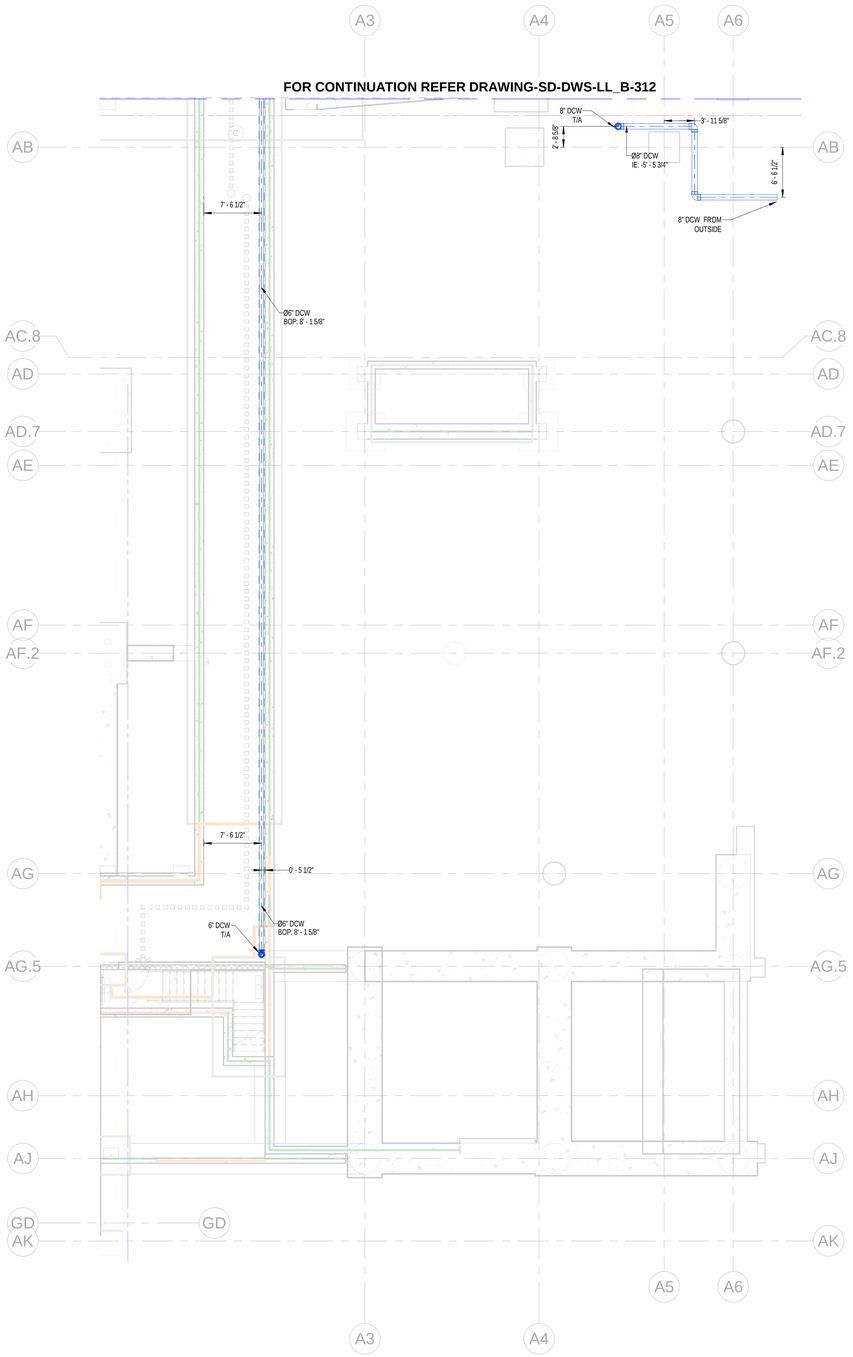
Level 11 Area B Natural Gas Layout

DRAWING NO.

SD-NG-L11-B-313

Forum #		MMA #	19050


A2
A3
A4
A5
A6
AB
AC
AC.8
AD
AD.7
AE
AF
AF.2
AG
AG.5
AH
AJ
AK
FOR CONTINUATION REFER DRAWING-SD-LL_D-311
TO MANHOLE
DN
SP
FD
FCO
WC
4" SAN F/A
4" SAN FCO
2" SAN F/A
3" SAN F/A
2" SAN WC
4" SAN WC
2" SAN
2" V T/A
3" FD-G
2" FD-G
3" TO FD
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Ø6" SAN
Ø4" SAN
Ø3" SAN
Ø2" SAN
Ø2" PD
Ø4" SD
Ø3" SD
2' - 0 5/8"
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1 DWS-LOWER LEVEL-AREA C SHOP DRAWING
1/8" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LOWER LEVEL (-13' 00) for the pipes in the Tunnel area.
2.The IE is measured from LEVEL 01 (00' 00) for the pipes in the Tunnel area.
3. The insulation on DWS is 1" for all sizes.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
BFV	BUTTERFLY VALVE
CV	CHECK VALVE
HB	HOSE BIB
ACV	AUTOMATED CONTROL VALVE
T/A	TO ABOVE
F/A	FROM ABOVE
DN	DOWN
IE	INVERT ELEVATION

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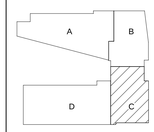
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KEY PLAN:



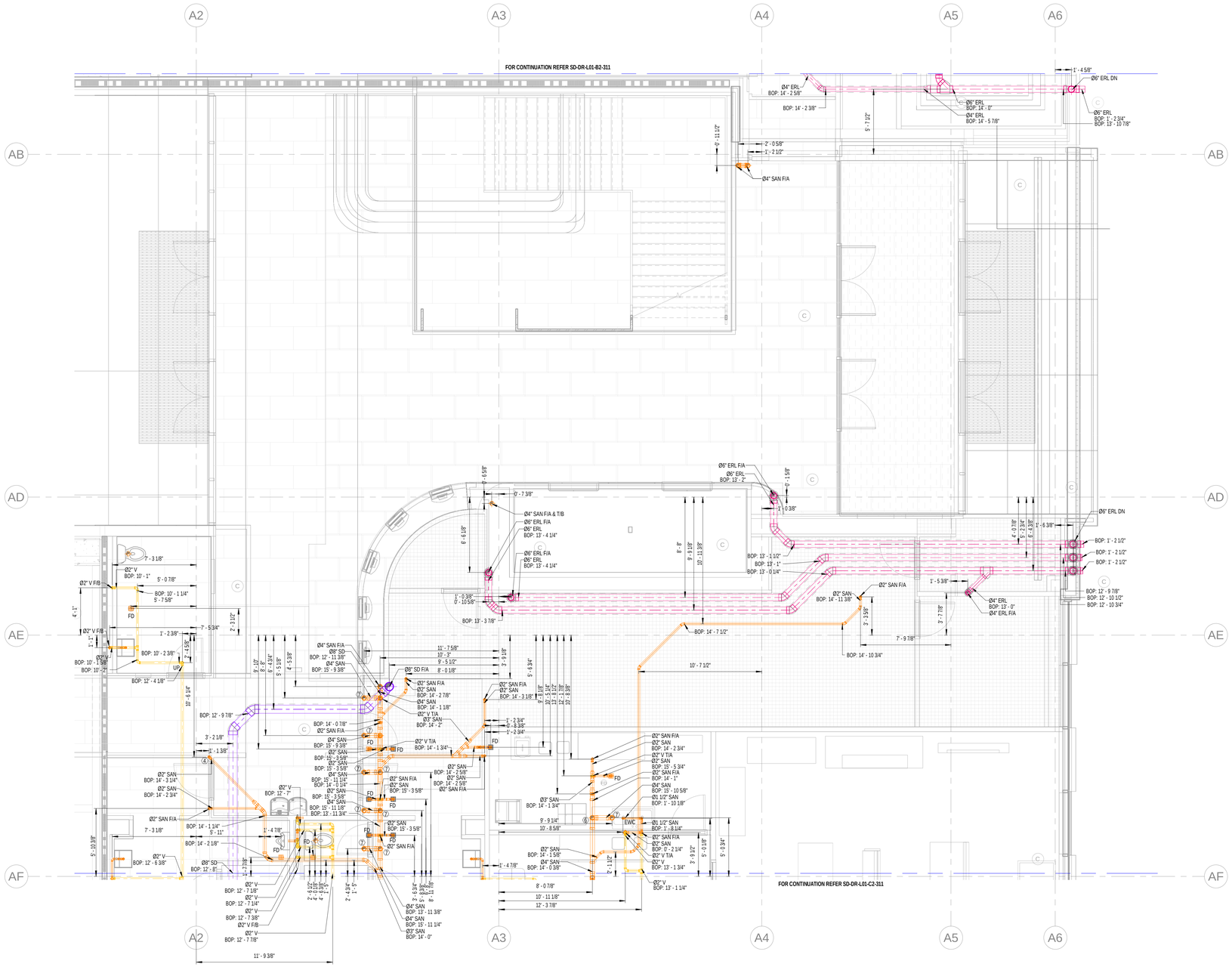
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-13-2021
R1	SHOP DRAWING	08-04-2021

DRAWING TITLE
DWS-LOWER LEVEL-AREA C
SHOP DRAWING

DRAWING NO.
SD-DWS-LL_C-312

Forum # | MMA # 19050



1 Theater Level 01 Area C1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 01(0' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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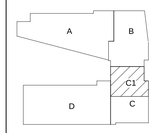
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-29-2022

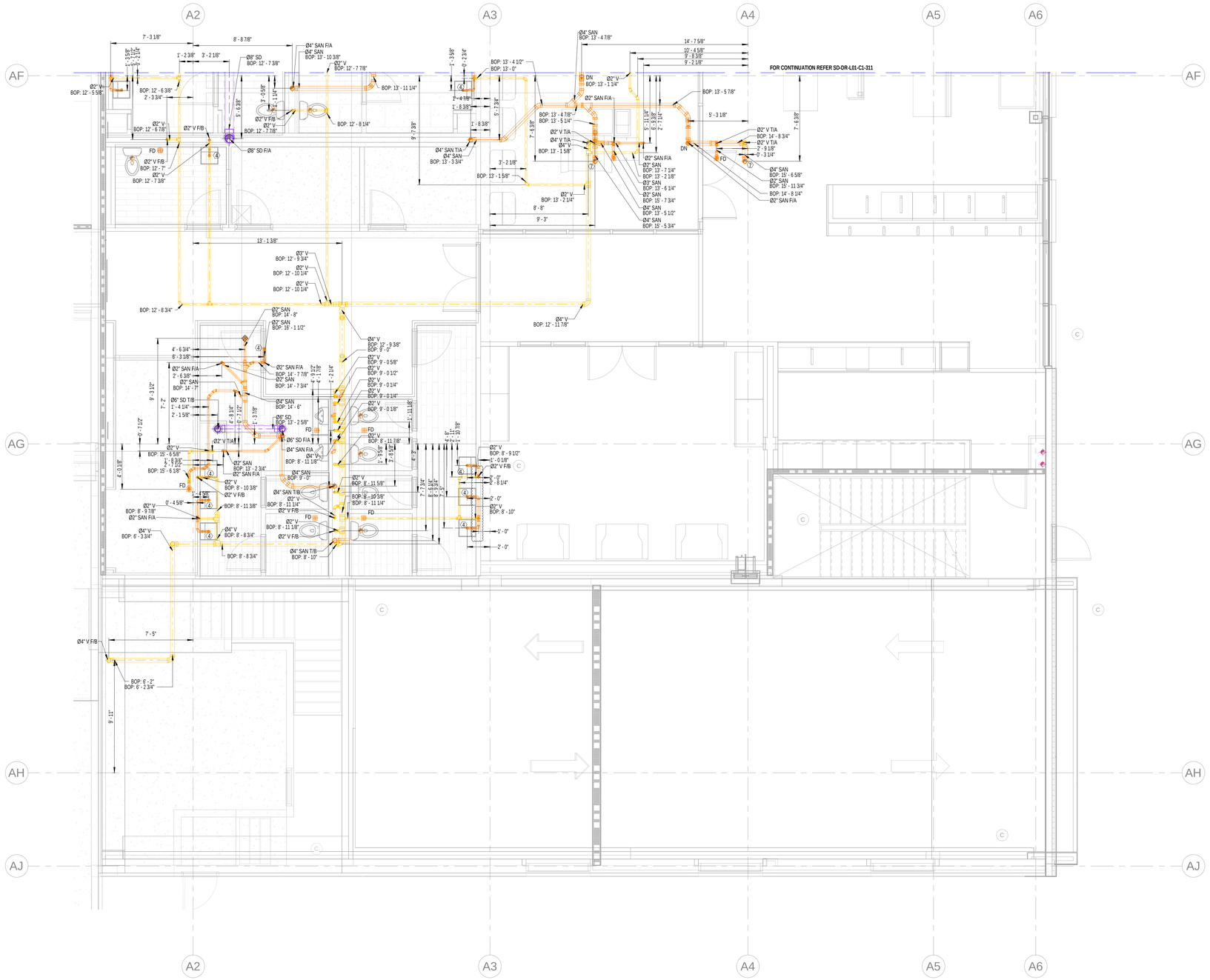
DRAWING TITLE

Theater Level 01 Area C1 Drainage Layout

DRAWING NO.

SD-DR-L01-C1-311

Forum # | | MMA # | 19050



1 Theater Level 01 Area C2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 01(0' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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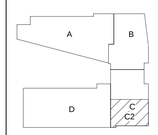
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-29-2022

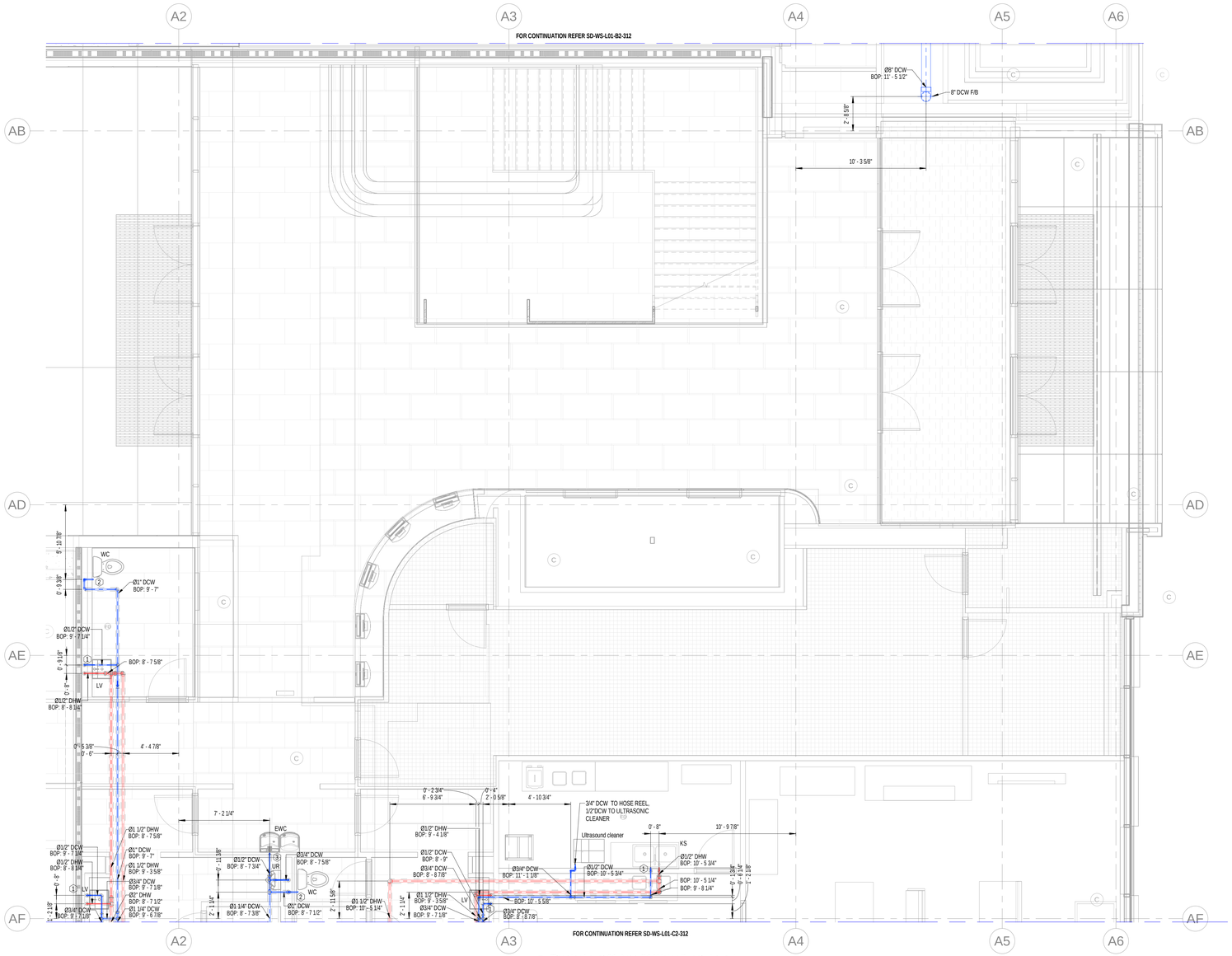
DRAWING TITLE

Theater Level 01 Area C2 Drainage Layout

DRAWING NO.

SD-DR-L01-C2-311

Forum #		MMA #	19050



1 Theater Level 01 Area C1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 01(0' 00).
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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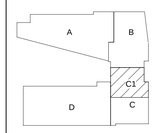
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-21-2022

DRAWING TITLE

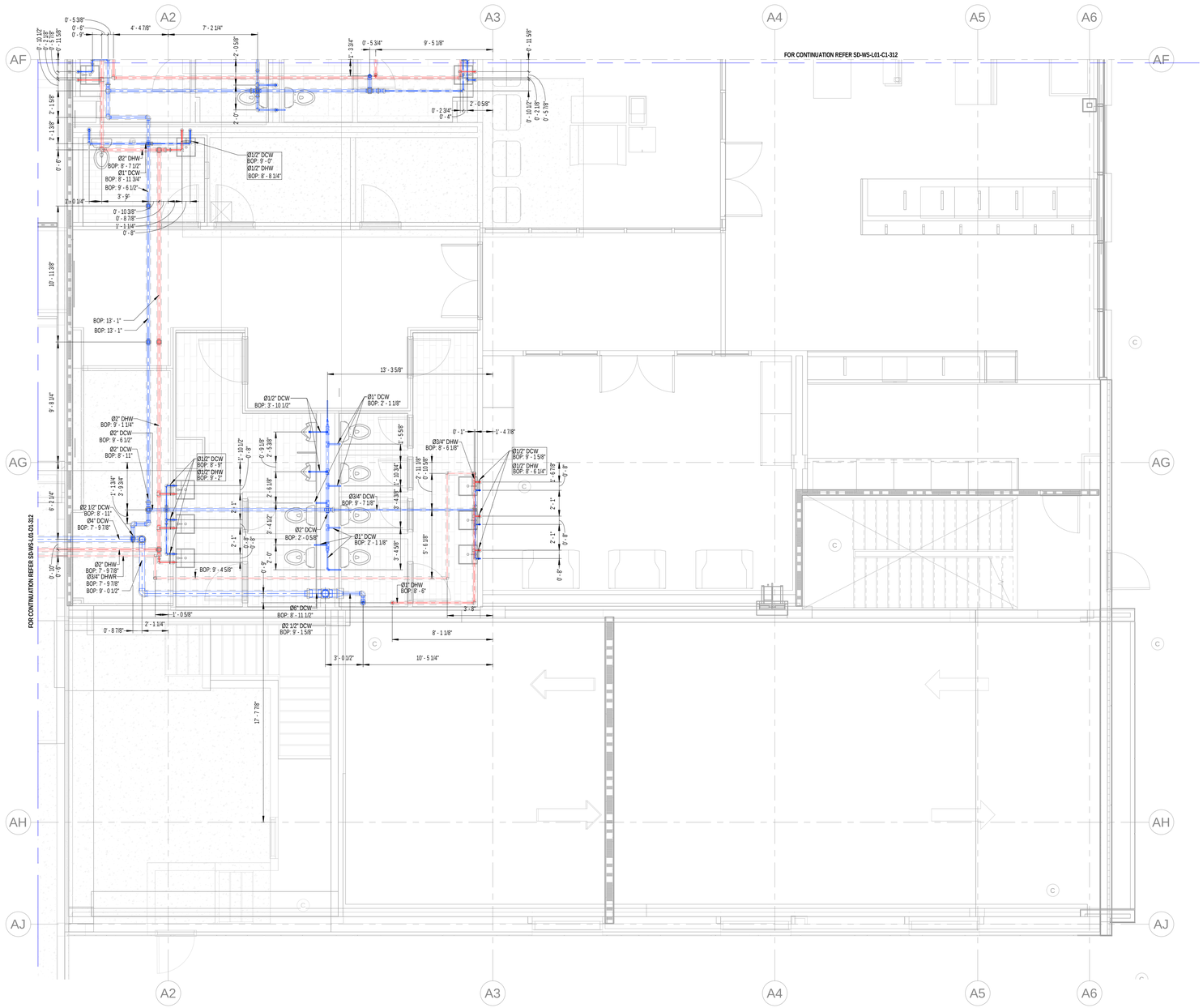
Theater Level 01 Area C1 Water Supply Layout

DRAWING NO.

SD-WS-L01-C1-312

Forum #

MMA # 19050



1 Theater Level 01 Area C2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 02(17' 00).
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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KEY PLAN:



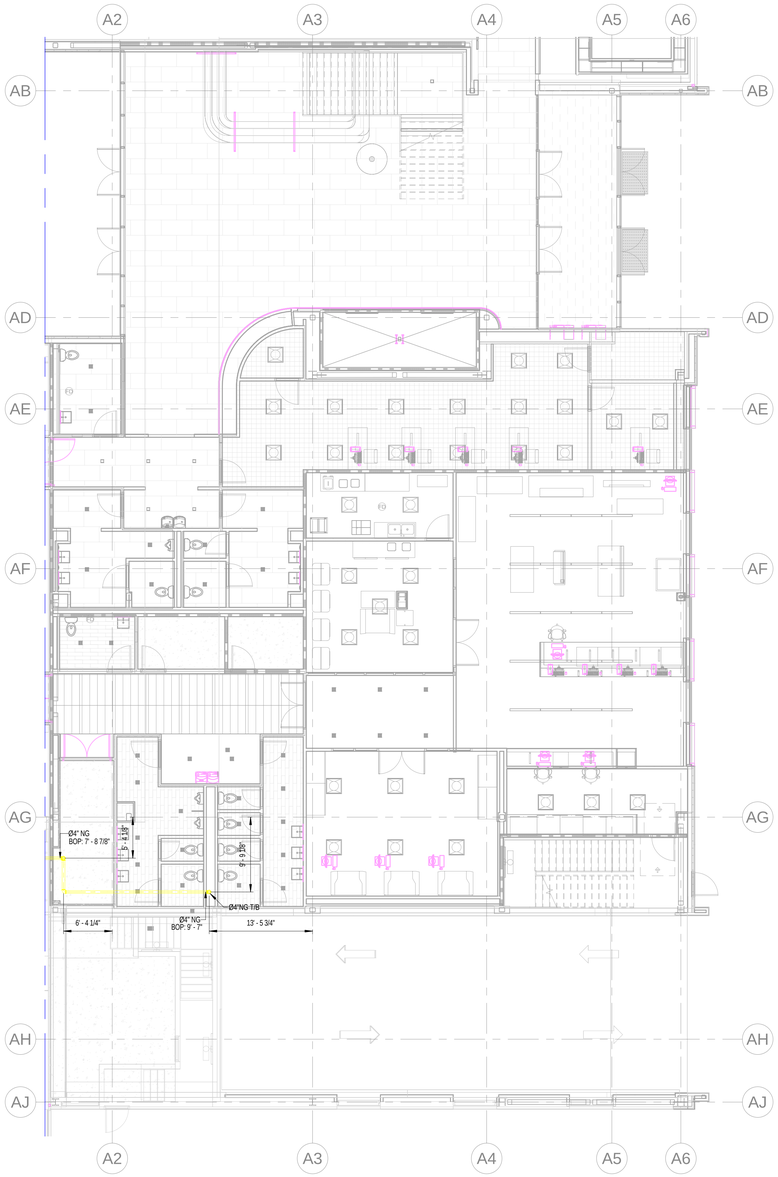
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-21-2022

DRAWING TITLE
Theater Level 01 Area C2 Water Supply Layout

DRAWING NO.
SD-WS-L01-C2-312

Forum #		MMA #	19050



1 Theater Level 01 Area C Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:
1.The BOP is measured from LEVEL 01(0' 00).

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
BOP	BOTTOM OF PIPE

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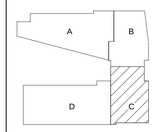
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KEY PLAN:



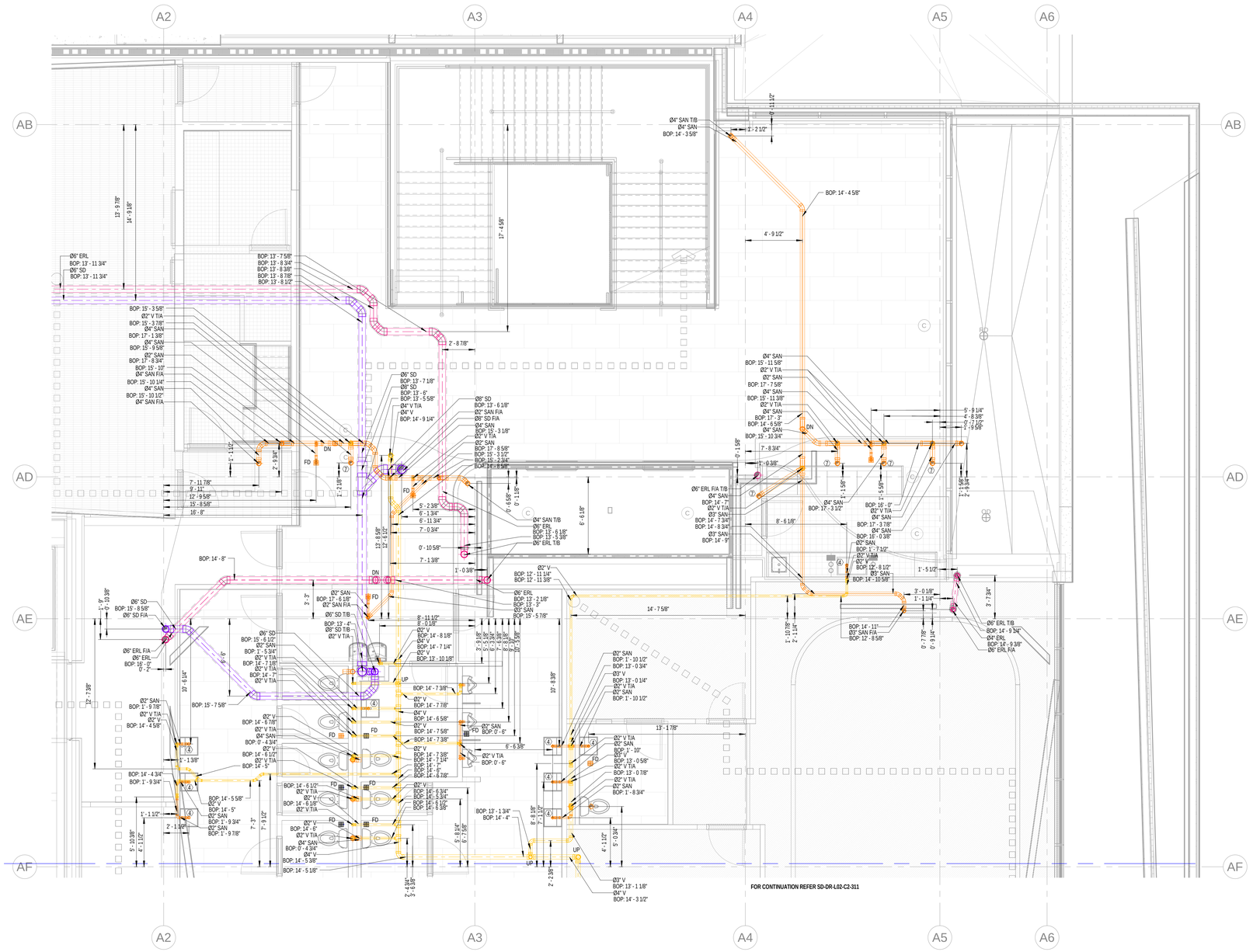
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-04-2022

DRAWING TITLE
Theater Level 01 Area C
Natural Gas Layout

DRAWING NO.
SD-NG-L01-C-313

Forum #		MMA #	19050



1 Theater Level 02 Area C1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 02(17' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes in horizontal run.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-04-2022

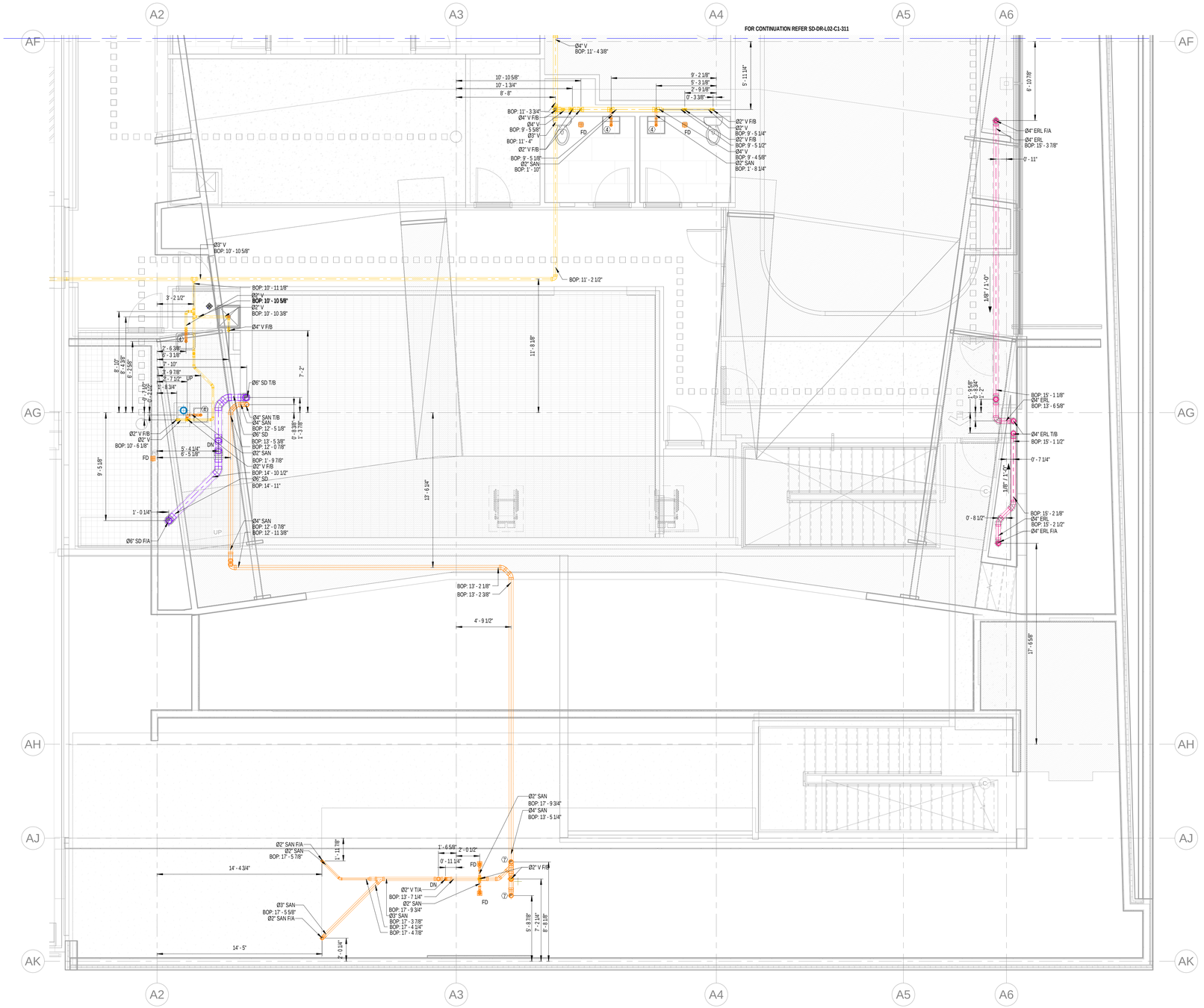
DRAWING TITLE

Theater Level 02 Area C1 Drainage Layout

DRAWING NO.

SD-DR-L02-C1-311

Forum #		MMA #	19050



1 Theater Level 02 Area C2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 02(17' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes in horizontal run.

PLUMBING KEY NOTE	
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2	4" GW T/B & 4" GV T/A
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4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

ABBREVIATION	DESCRIPTION
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V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
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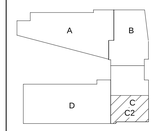
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-04-2022

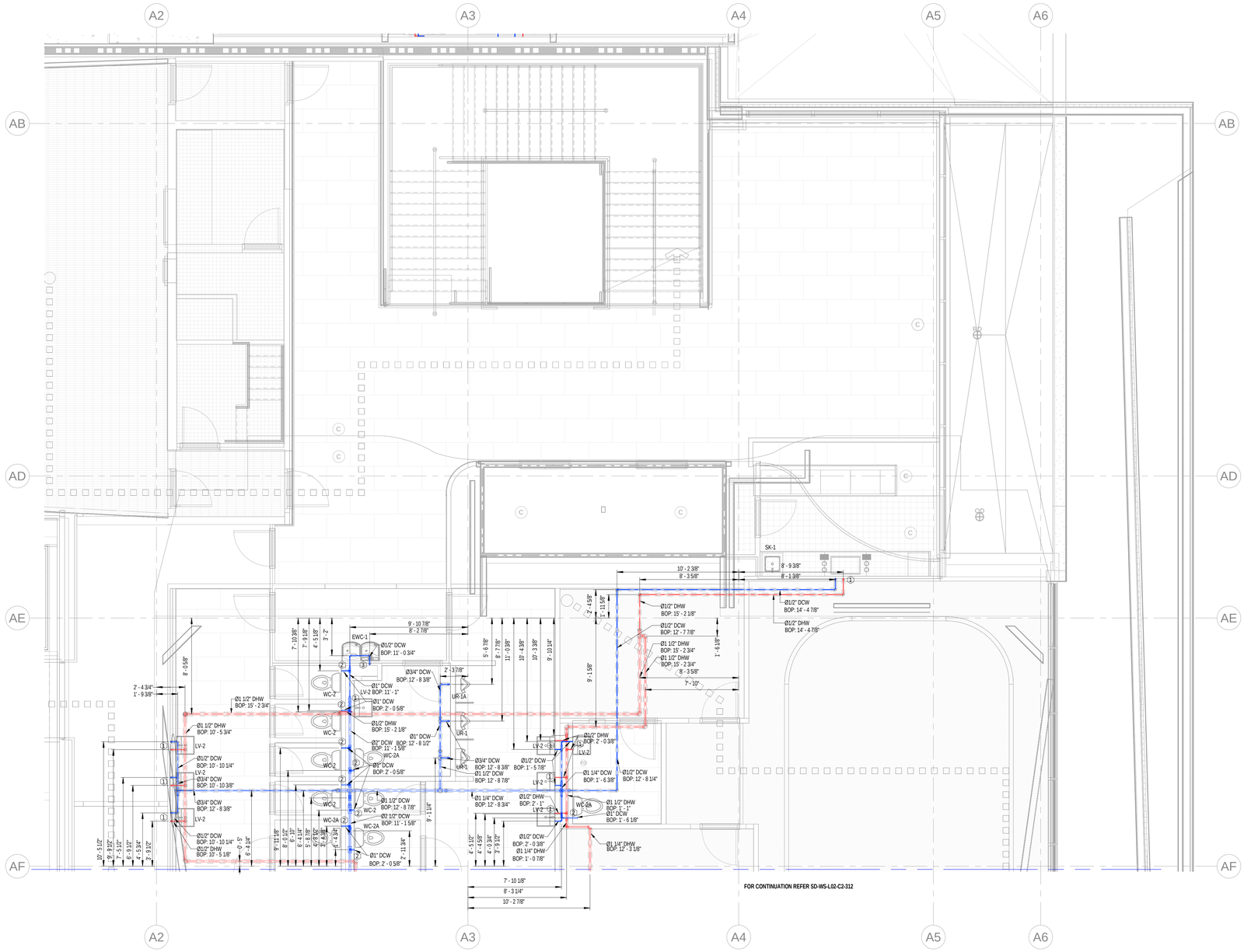
DRAWING TITLE

Theater Level 02 Area C2 Drainage Layout

DRAWING NO.

SD-DR-L02-C2-311

Forum #		MMA #	19050



1 Theater Level 02 Area C1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 02(17' 00).
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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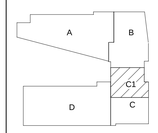
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KEY PLAN:



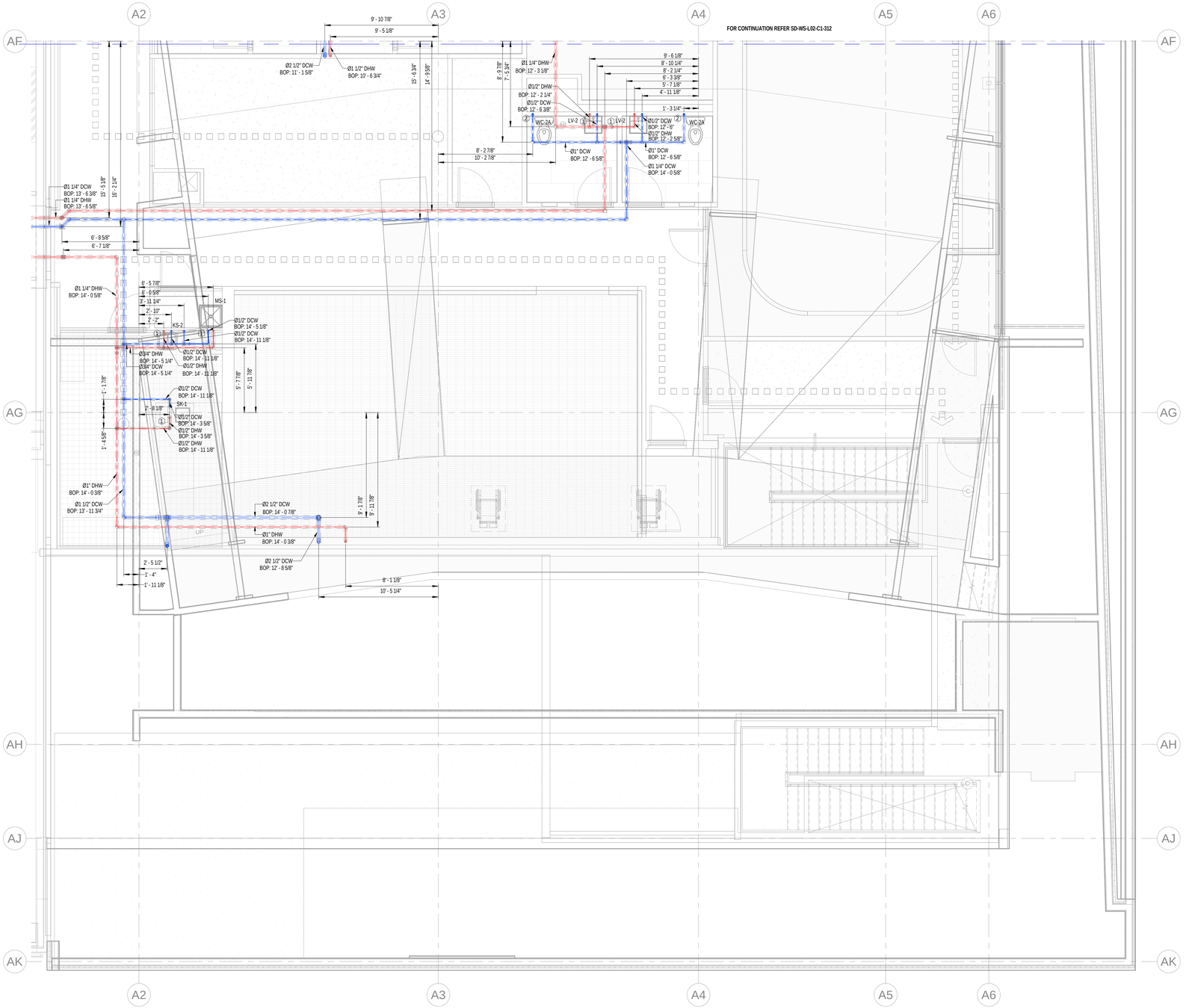
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-17-2022

DRAWING TITLE
Theater Level 02 Area C1
Water Supply Layout

DRAWING NO.
SD-WS-L02-C1-312

Forum #		MMA #	19050



1 Theater Level 02 Area C2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from THEATER HOUSE (36'-0").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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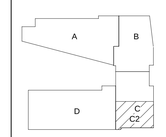
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KEY PLAN:



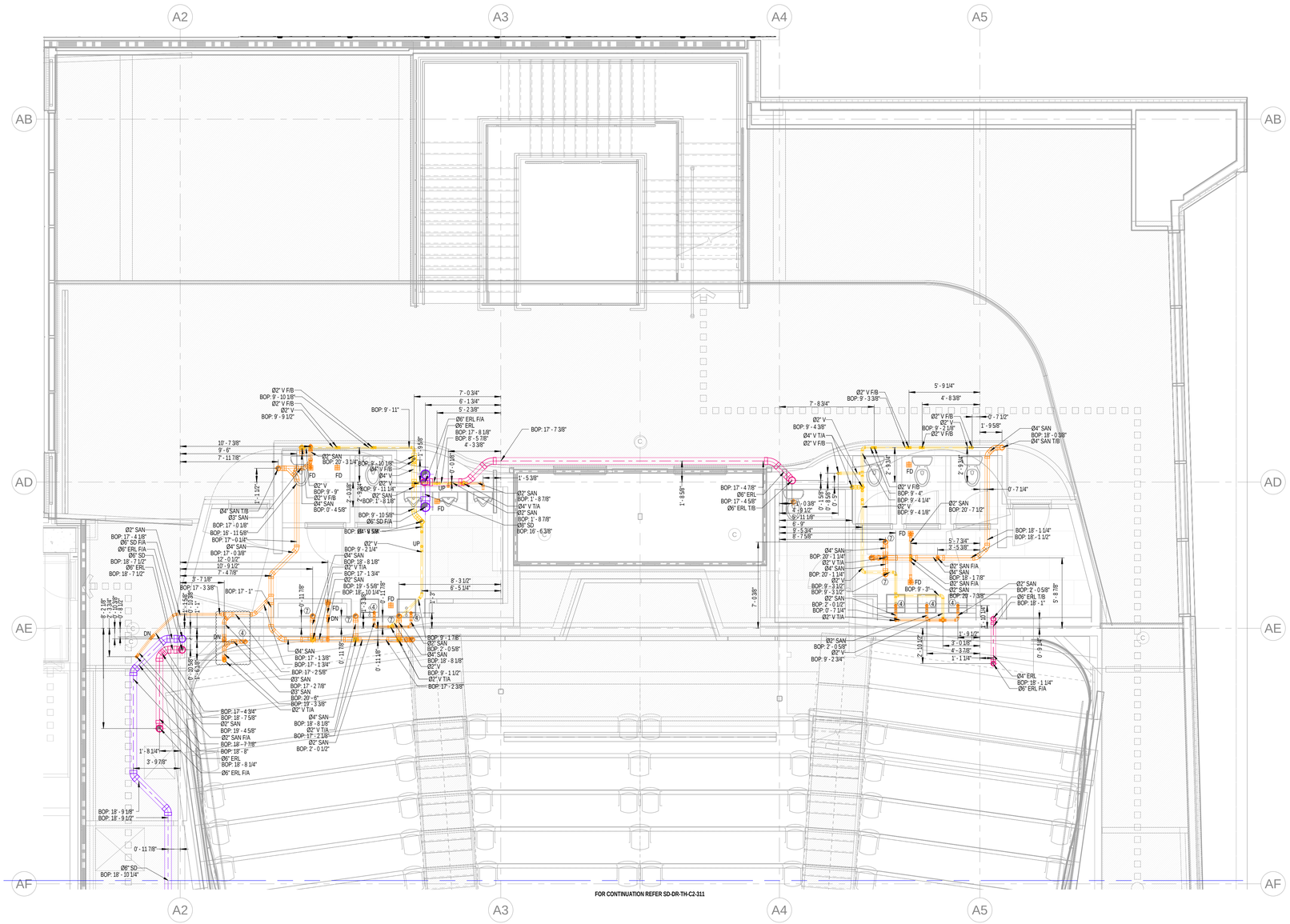
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST, ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	08-17-2022

DRAWING TITLE
Theater Level 02 Area C2
Water Supply Layout

DRAWING NO.
SD-WS-L02-C2-313

Forum #
MMA # 19050



1 Theater House Area C1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from THEATER HOUSE (36'-0").
2. The slope for Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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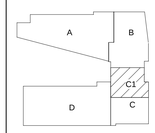
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST, ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-12-2022

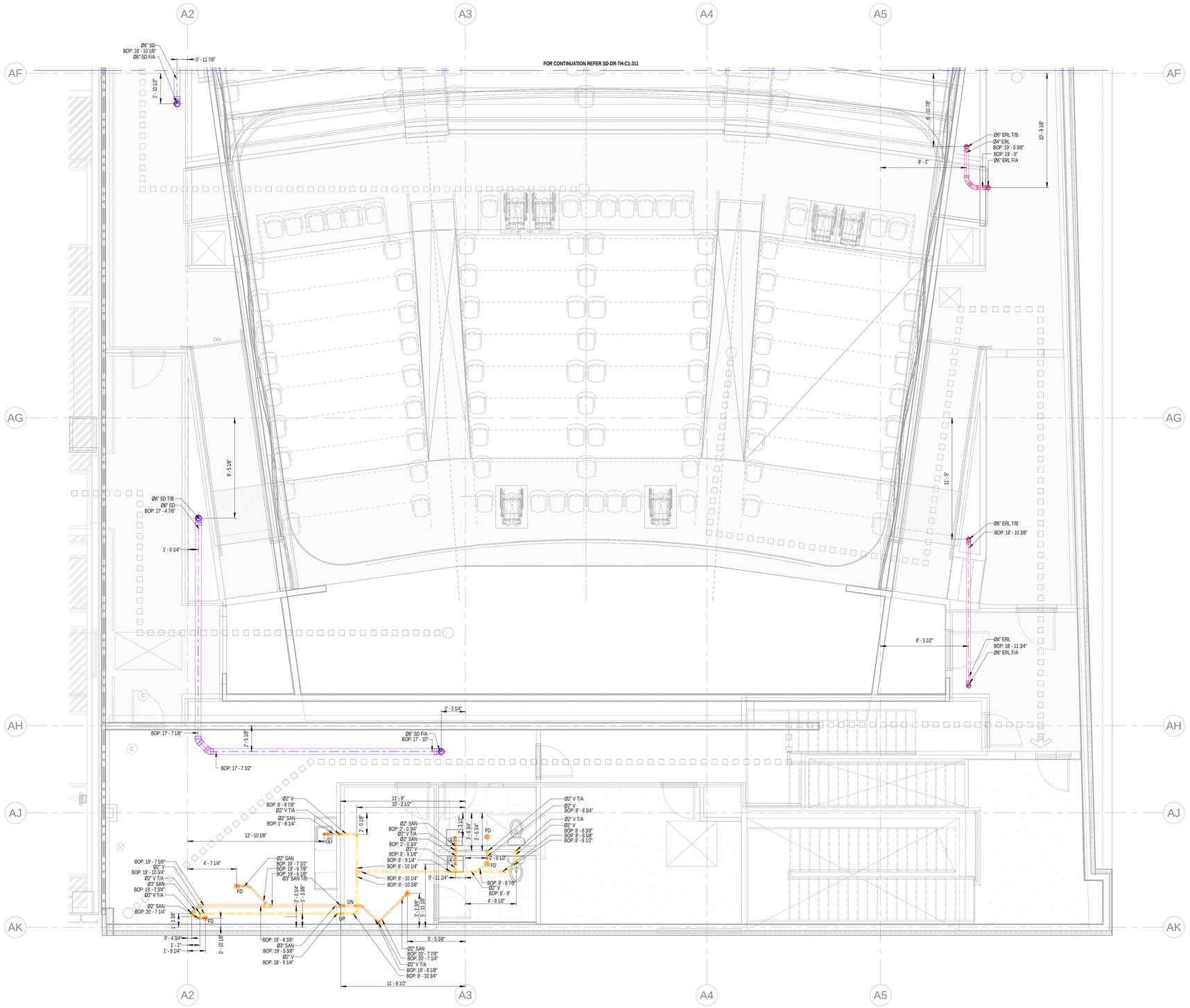
DRAWING TITLE

Theater House Area C1 Drainage Layout

DRAWING NO.

SD-DR-TH-C1-311

Forum #		MMA #	19050



1 Theater House Area C2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from THEATER HOUSE (36'-0").
2. The slope for Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

ABBREVIATION	DESCRIPTION
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V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
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GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
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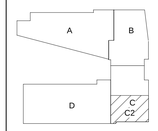
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-04-2022

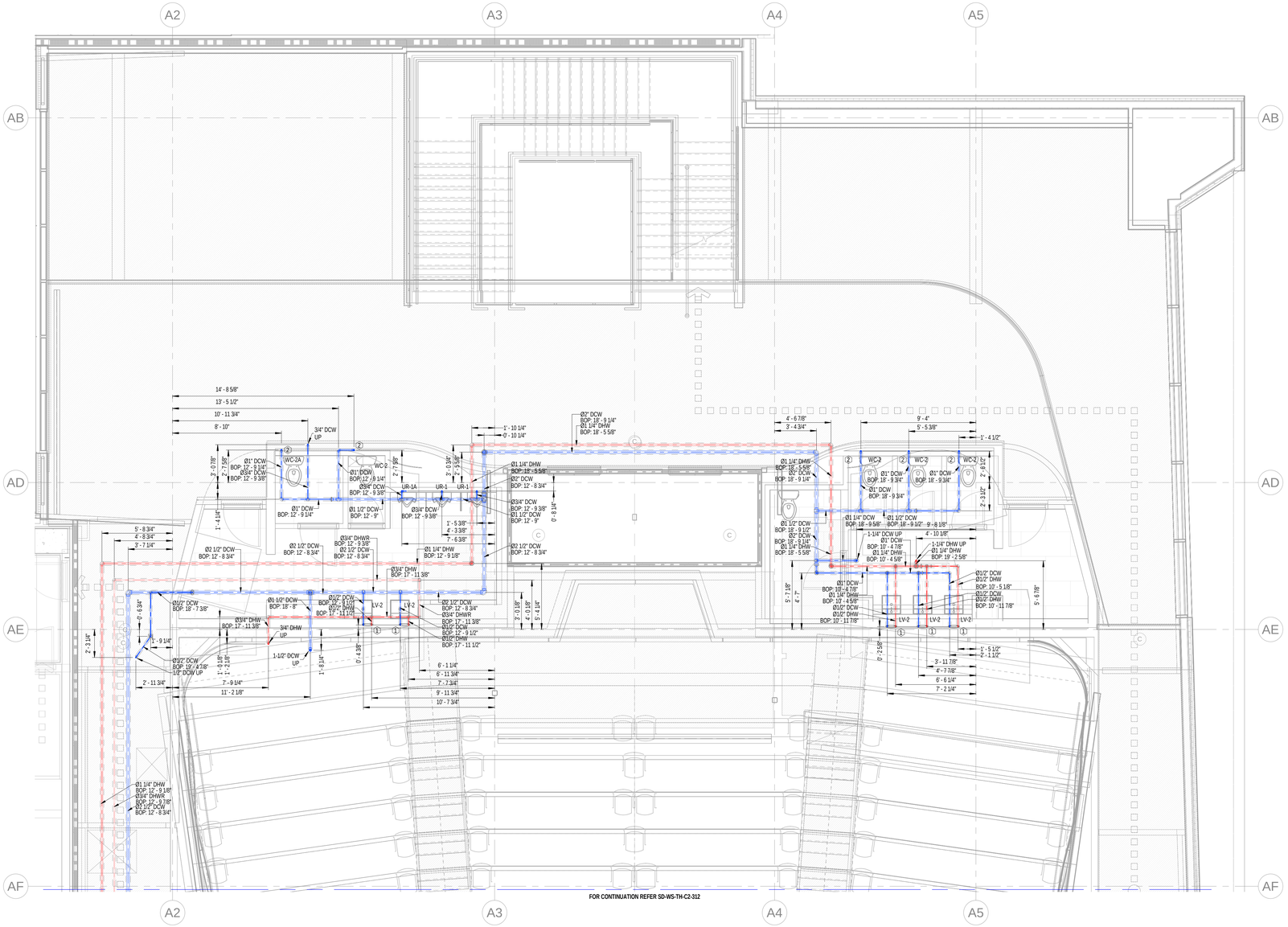
DRAWING TITLE

Theater House Area C2
Drainage Layout

DRAWING NO.

SD-DR-TH-C2-311

Forum # | MMA # 19050



FOR CONTINUATION REFER SD-WS-TH-C2-312

1 Theater House Area C1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from THEATER HOUSE (36'-0").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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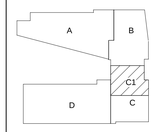
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KEY PLAN:



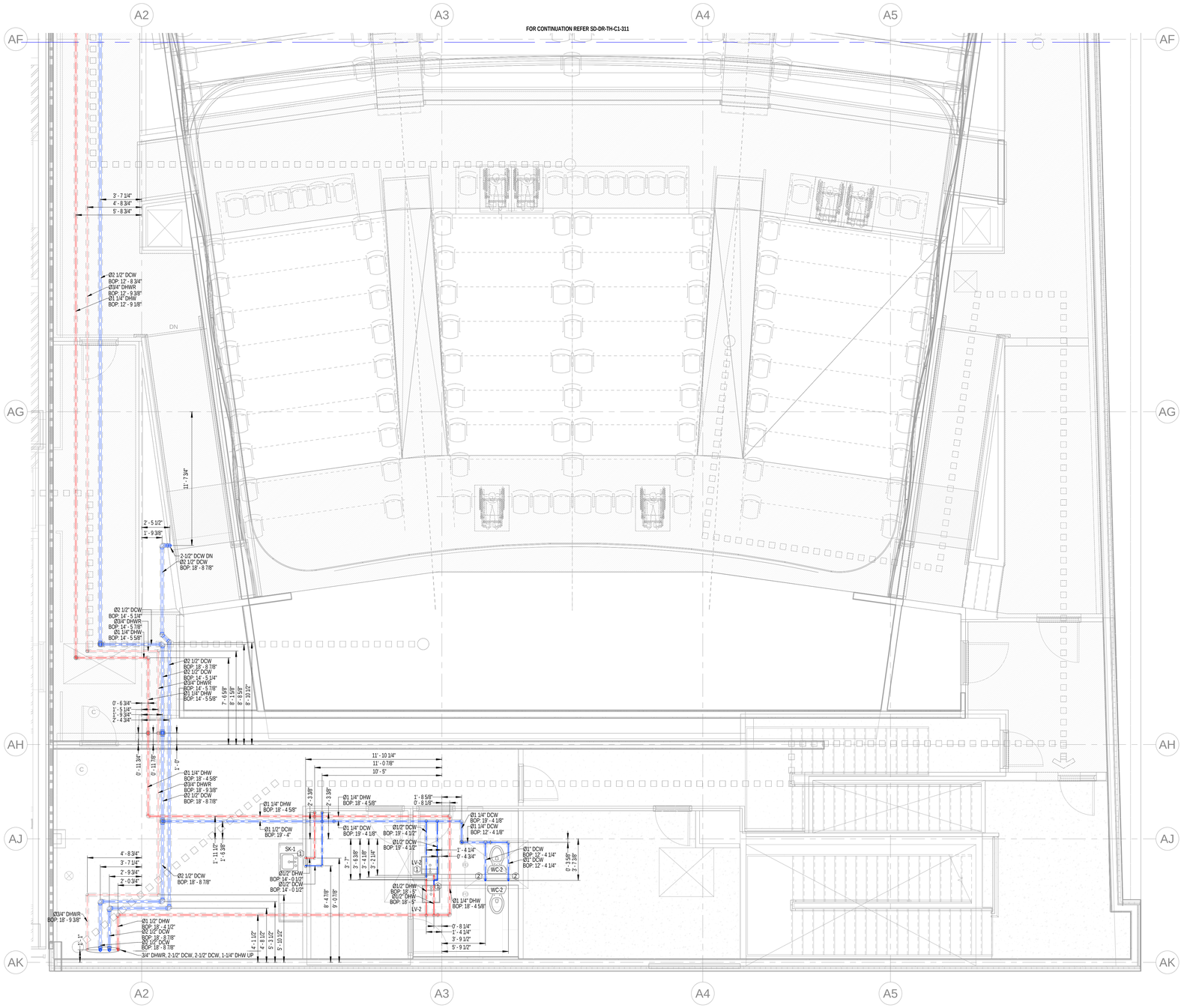
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-04-2022

DRAWING TITLE
Theater House Area C1
Water Supply Layout

DRAWING NO.
SD-WS-TH-C1-312

Forum #		MMA #	19050



1 Theater House Area C2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL MEZZ(57' 10").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
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DHWR	DOMESTIC HOT WATER RETURN
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LV	LAVATORY
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SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
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LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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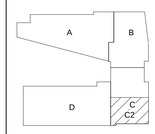
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KEY PLAN:



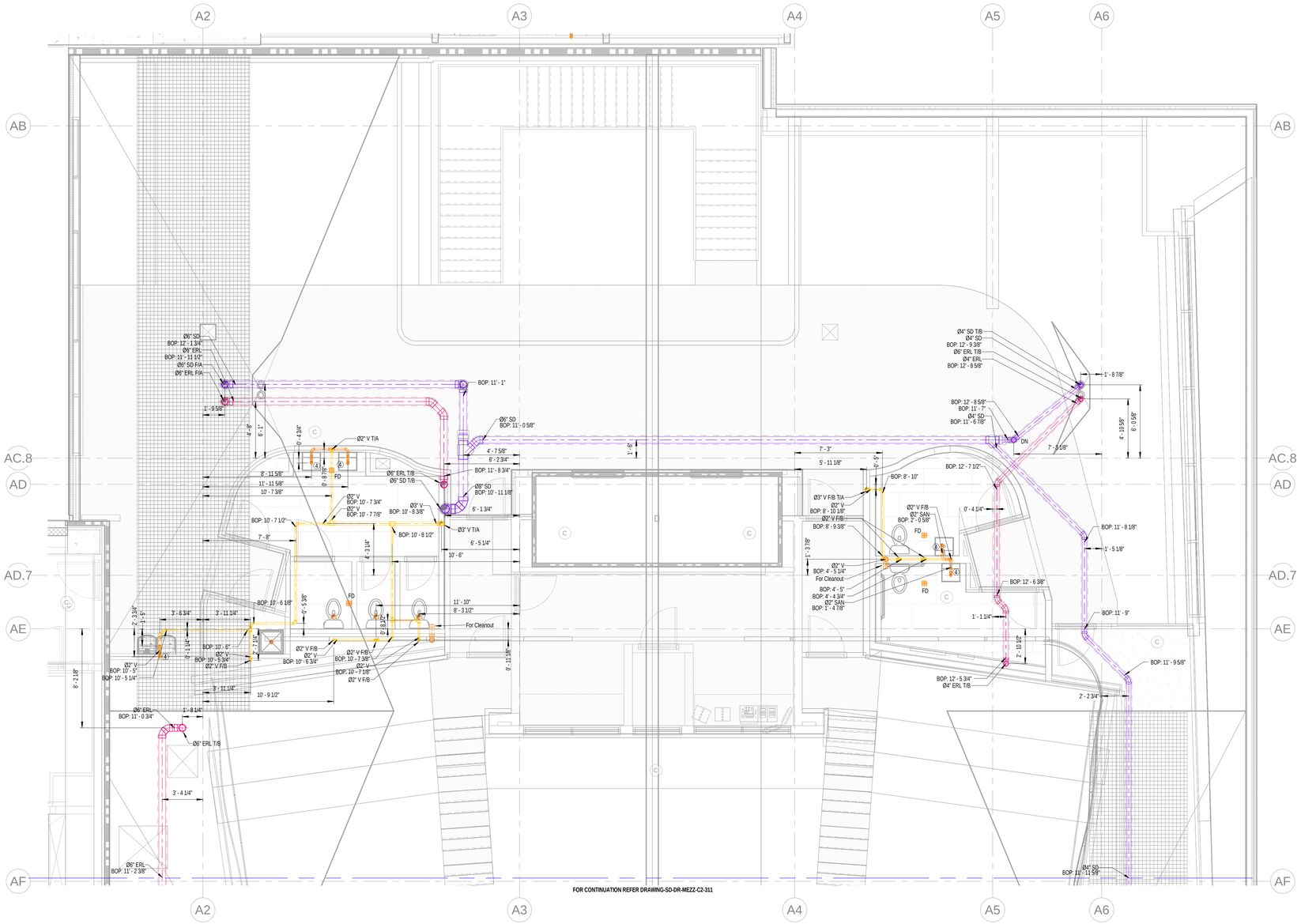
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-04-2022

DRAWING TITLE
Theater House Area C2
Water Supply Layout

DRAWING NO.
SD-WS-TH-C2-312

Forum #		MMA #	19050



FOR CONTINUATION REFER DRAWING-SD-DR-MEZZ-C2-311

1 Theater Mezz Area C1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL MEZZ(57' 10").
2. The slope for Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & Vent pipes is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes in horizontal run.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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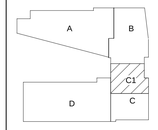
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-04-2022

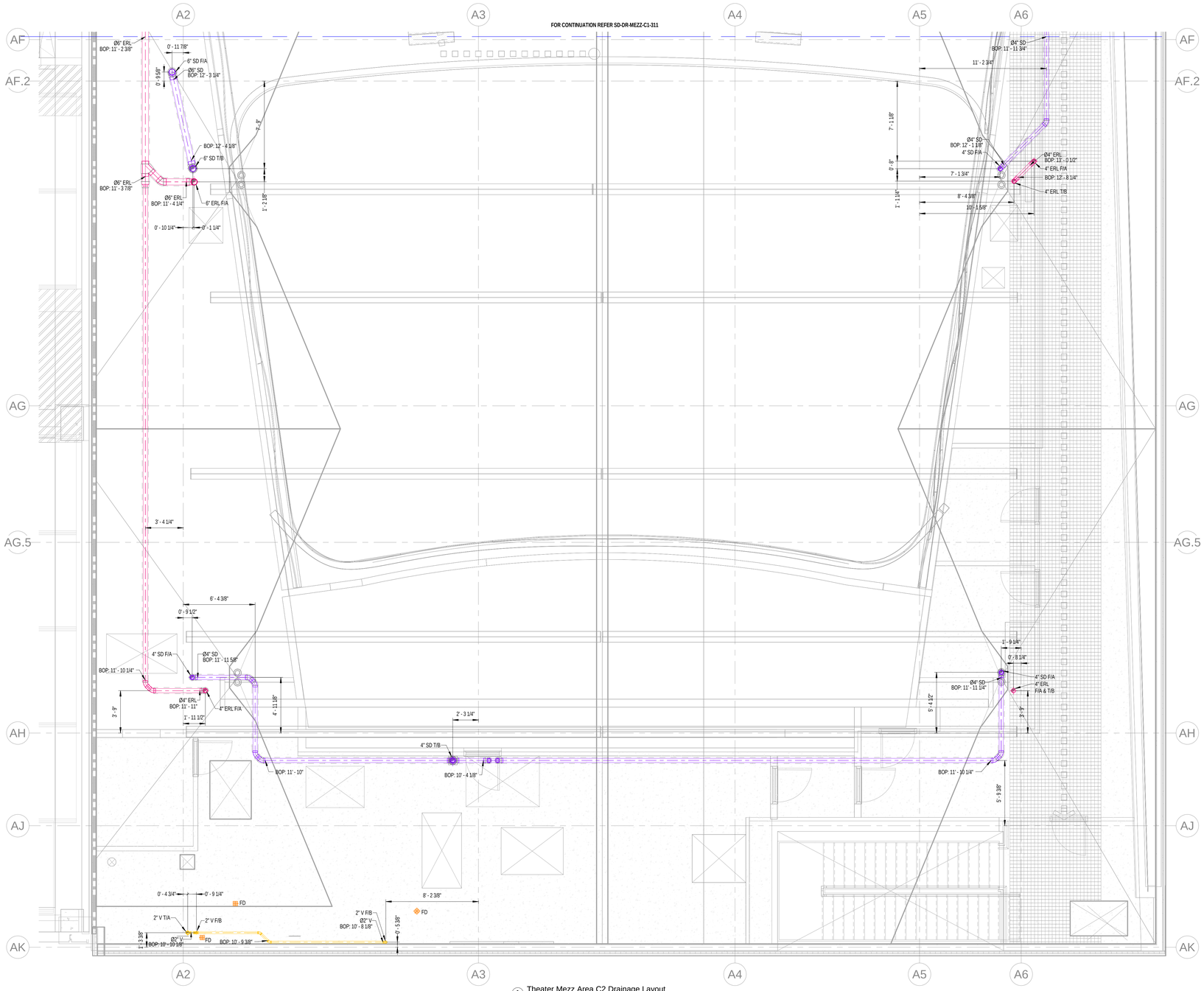
DRAWING TITLE

Theater Mezz Area C1
Drainage Layout

DRAWING NO.

SD-DR-MEZZ-C1-311

Forum #		MMA #	19050



1 Theater Mezz Area C2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL MEZZ(57' 10").
2. The slope for Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & Vent pipes is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes in horizontal run.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
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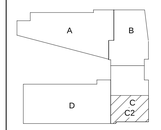
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST, ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-04-2022

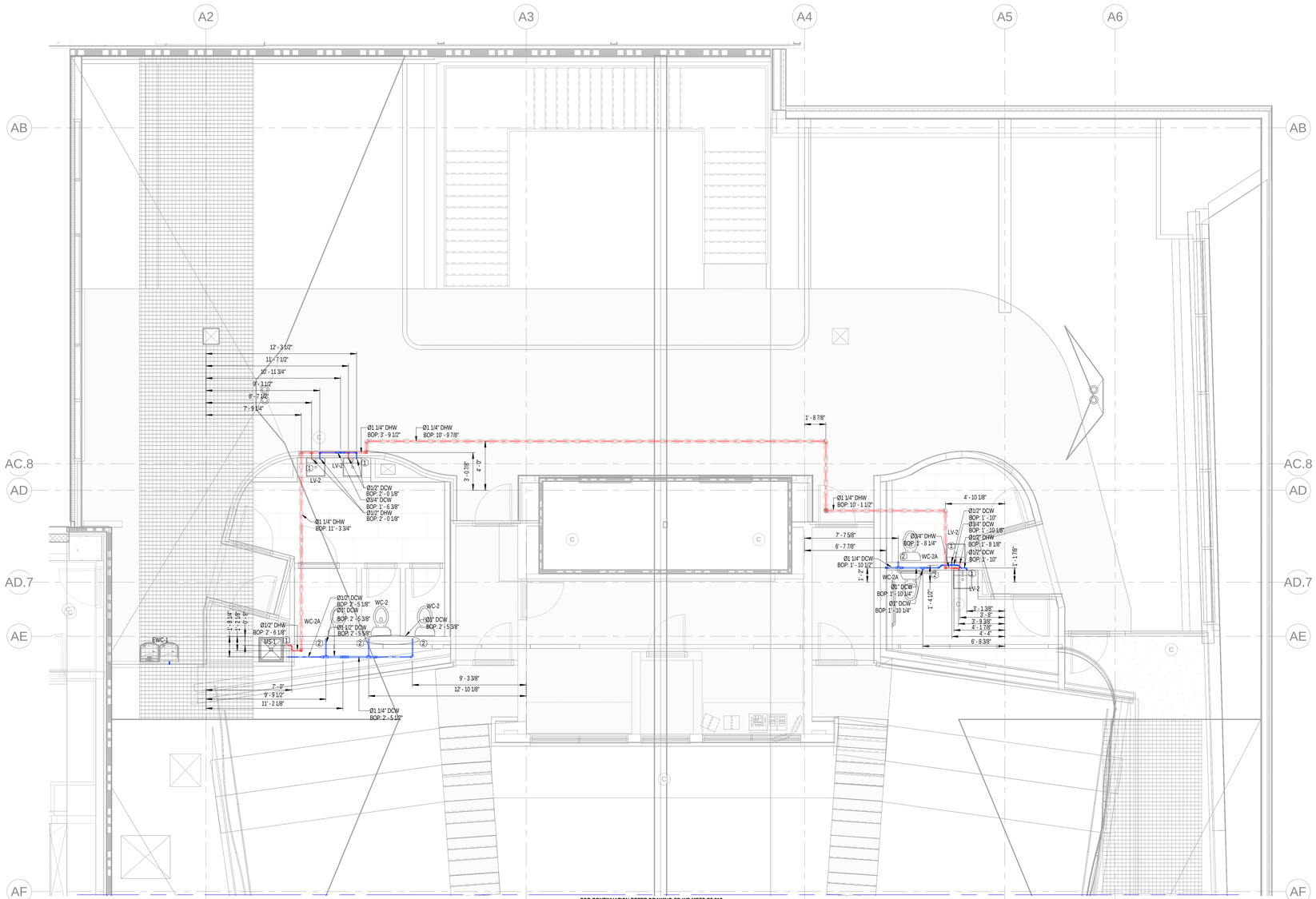
DRAWING TITLE

Theater Mezz Area C2
Drainage Layout

DRAWING NO.

SD-DR-MEZZ-C2-311

Forum #		MMA #	19050



FOR CONTINUATION REFER DRAWING-SD-WS-MEZZ-C2-312

1 Theater Mezz Area C1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL MEZZ(57' 10").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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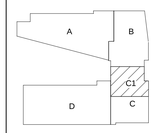
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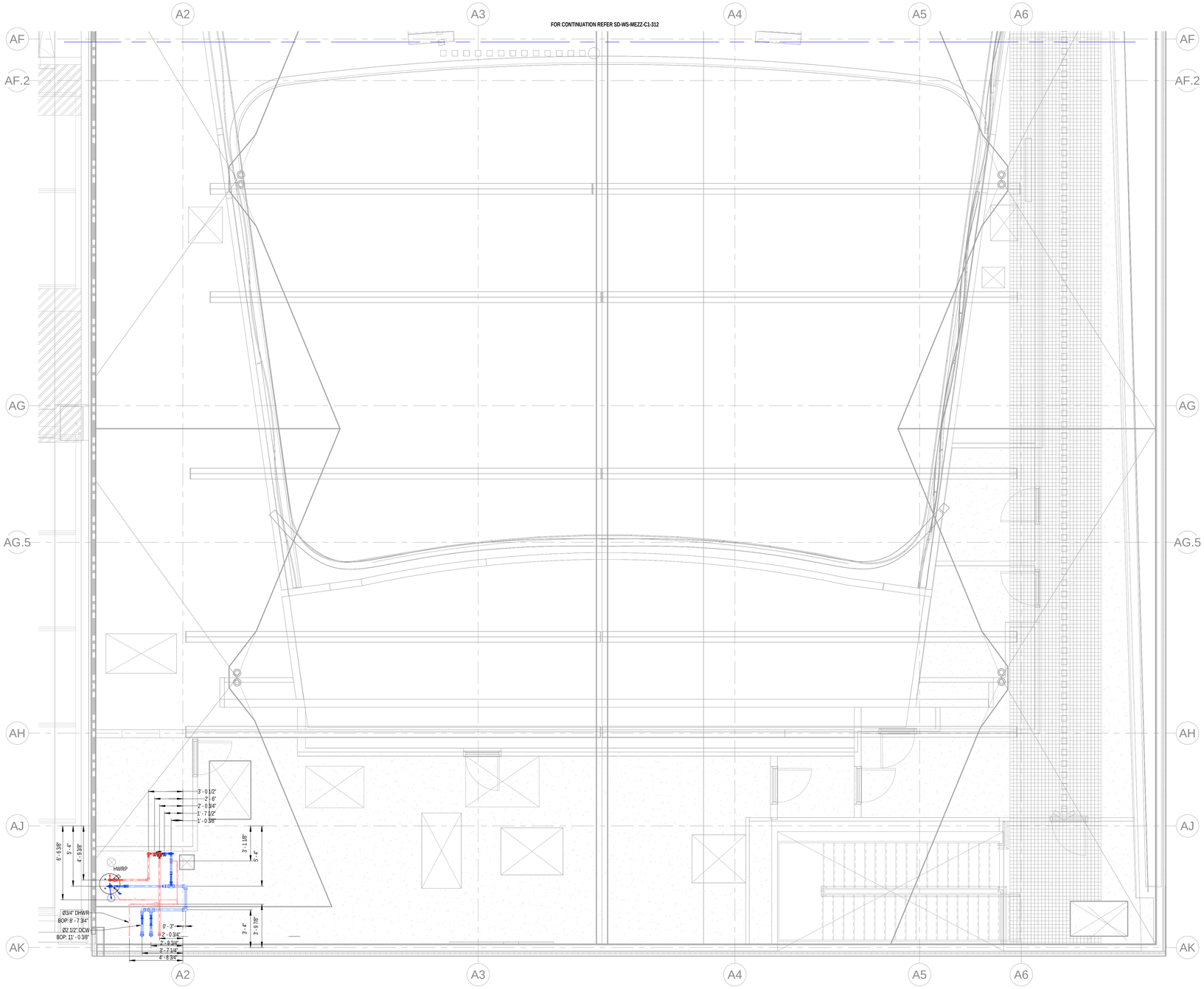
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1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-04-2022

DRAWING TITLE
Theater Mezz Area C1 Water Supply Layout

DRAWING NO.
SD-WS-MEZZ-C1-312

Forum #		MMA #	19050



1 Theater Mezz Area C2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL MEZZ(57' 10").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

ELECTRIC STORAGE WATER HEATER SCHEDULE

SYMBOL	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	ELECTRICAL CRITERIA KW INPUT	FIRST HOUR CAPACITY	UNIFORM ENERGY FACTOR (UEF)	NOTES
WHE-1 - WHE-5	PUBLIC AREAS	A.O. SMITH DEL-50	50	21/90°	120°F	4.5	45	0.92	1, 2, 3, 4
IWH-1	UNI 266 & 267	EEMAX 41	TANKLESS	0.5 GPM/43°	110°F	4.1	---	0	

NOTES:
1. PROVIDE T&P RELIEF VALVE AND VACUUM RELIEF VALVE
2. PROVIDE GATE/BALL VALVES WITH UNIONS AND DIELECTRIC FITTINGS ON WATER INLET AND OUTLET CONNECTIONS.
3. ALL UNITS SHALL MEET ASHRAE 90.1-2013, 2015 NAECA, ICC CODE AND ALL LOCAL CODE REQUIREMENTS.
4. ASME RATING NOT REQUIRED, ALL MODELS EQUIPPED WITH HEAT TRAPS..

GENERAL REQUIREMENTS:
A. ALL WATER HEATER ELEMENTS SHALL OPERATE AT THE FULL KW AND RECOVERY SCHEDULED WHEN OPERATING AT THE BUILDING VOLTAGE INDICATED ON THE ELECTRICAL DRAWINGS (I.E. 208V, 220V, 240V, ETC.).
B. DUAL ELEMENT NON-SIMULTANEOUS OPERATION.
C. PROVIDE THERMAL EXPANSION TANK: WATTS PLT-5.
D. APPROVED EQUALS SHALL BE BRADFORD WHITE, LOCHINVAR, RHEEM, AND STATE.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

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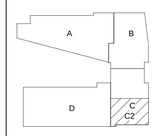
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KEY PLAN:



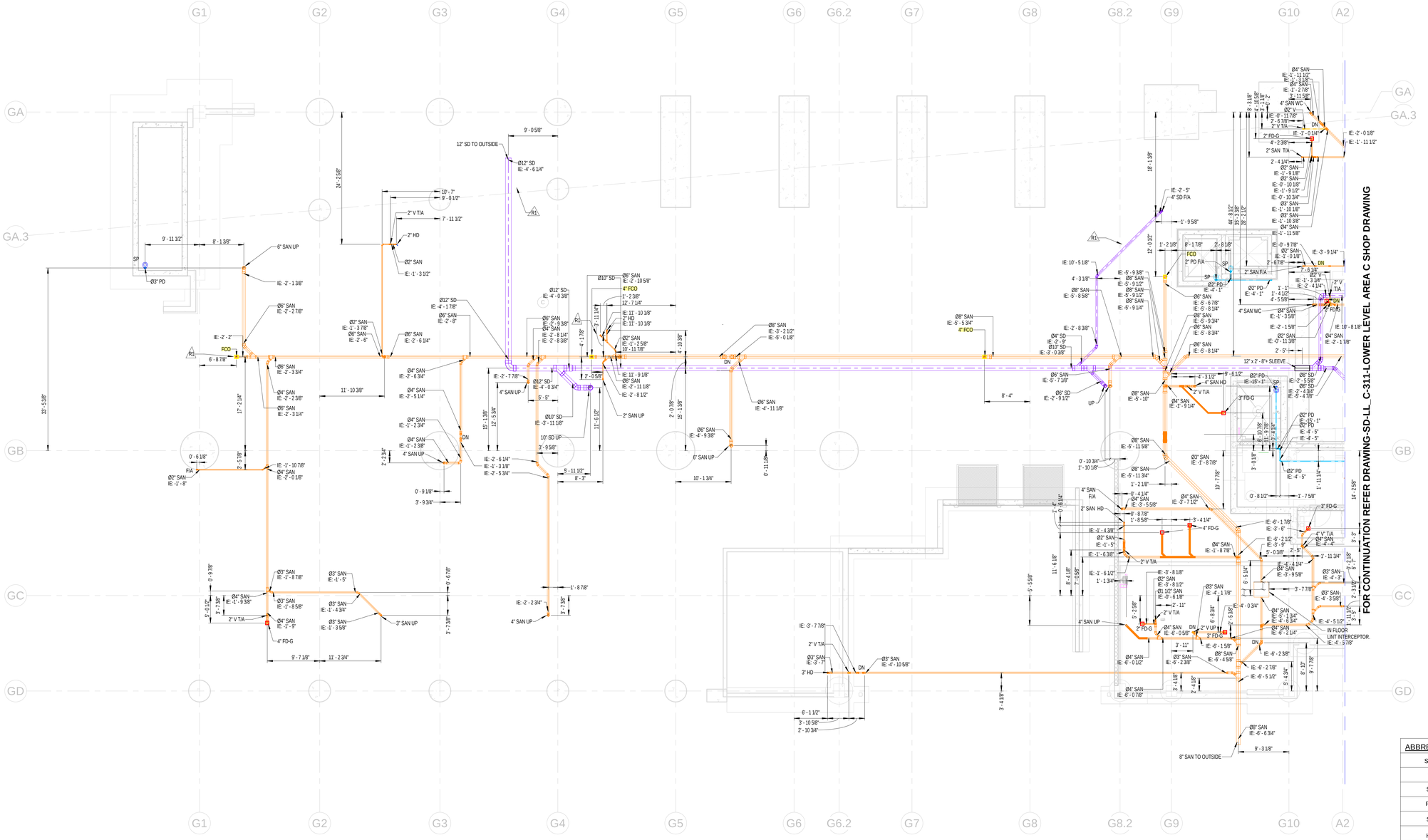
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-04-2022

DRAWING TITLE
Theater Mezz Area C2 Water Supply Layout

DRAWING NO.
SD-WS-MEZZ-C2-312

Forum # | MMA # 19050



1 DRAINAGE-LOWER LEVEL-AREA D SHOP DRAWING
1/8" = 1'-0"

GENERAL NOTES:

1.The invert elevation(IE) is measured from LEVEL 01(0' 00).
2. The slope for Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK

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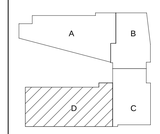
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

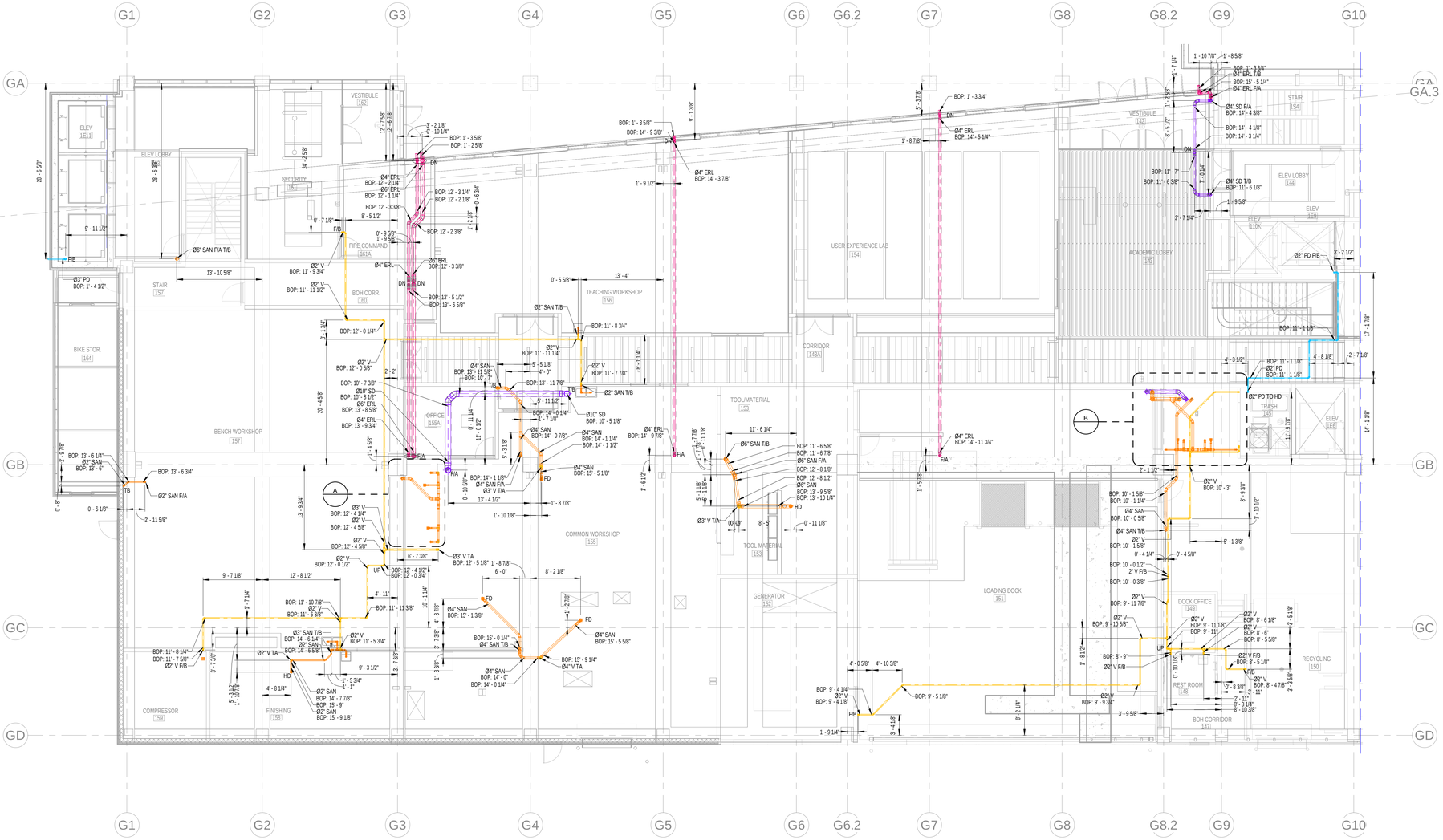
REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-18-2021
R1	SHOP DRAWING	07-29-2021

DRAWING TITLE

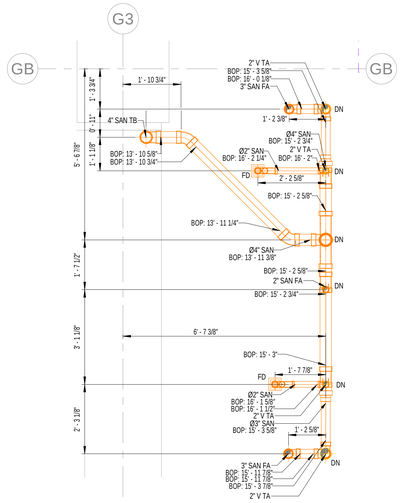
DRAWING TITLE
DRAINAGE-LOWER LEVEL-AREA D SHOP DRAWING

DRAWING NO.
SD-DR-LL_D-311

Forum # | MMA # 19050



1 Level 01 Area D Drainage Layout
1/8" = 1'-0"

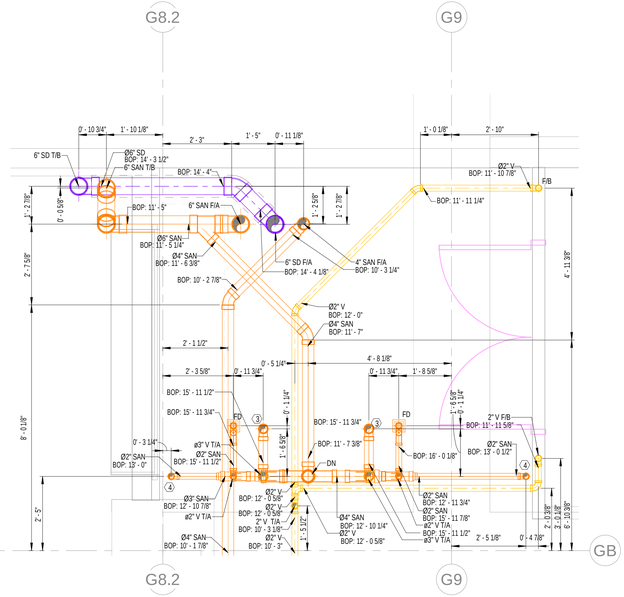


ABBREVIATION	DESCRIPTION
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V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
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IE	INVERT ELEVATION
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T/A	TO ABOVE
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F/B	FROM BELOW
BOP	BOTTOM OF PIPE
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GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

GENERAL NOTES:

1.The BOP is measured from LEVEL 01(0' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.



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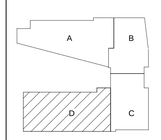
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

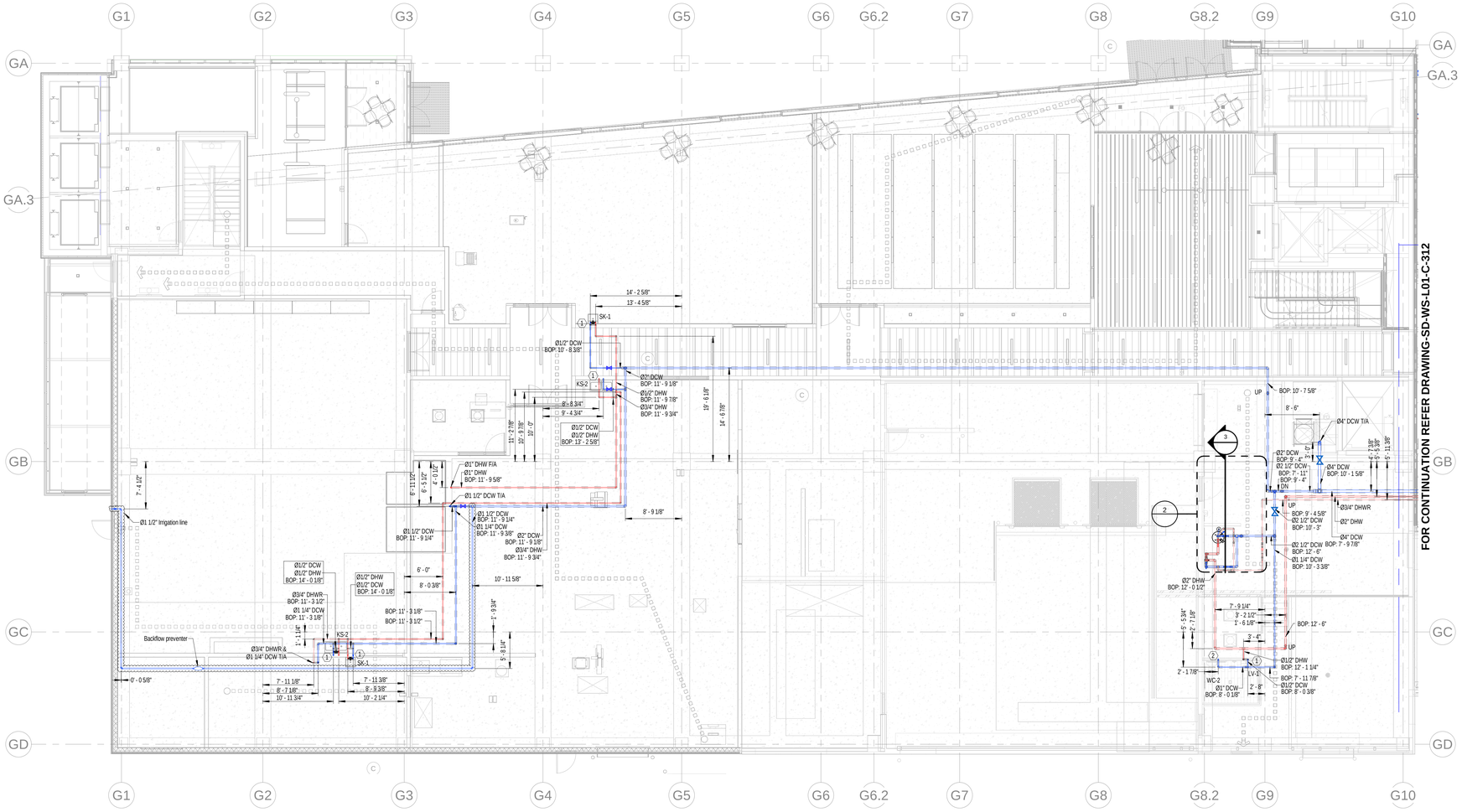
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-14-2021

DRAWING TITLE
Level 01 Area D Drainage Layout

DRAWING NO.
SD-DR-L01-D-311

Forum # | MMA # 19050



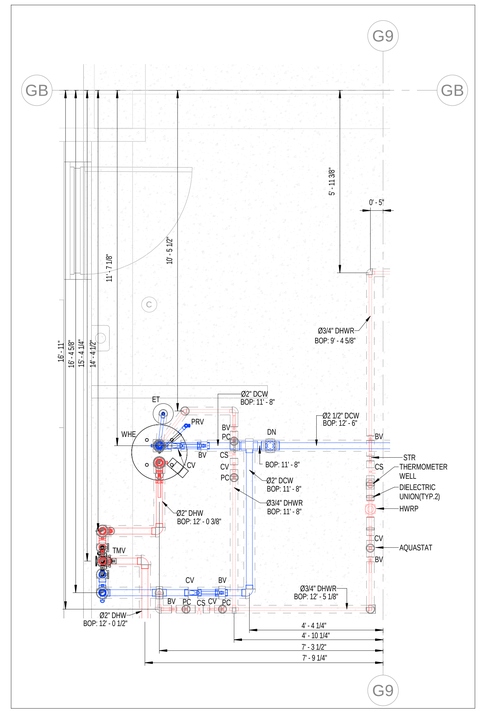
1 Level 01 Area D Water Supply Layout
1/8" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from LEVEL 01(0' 00).
2. The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	THERMAL MIXING VALVE(TMV)
	BALL VALVE(BV)

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN



2 Level 01 Area D Water Supply Callout
1/2" = 1'-0"

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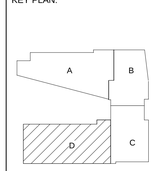
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-29-2021
R1	SHOP DRAWING	08-12-2021
R2	SHOP DRAWING	07-28-2022

DRAWING TITLE
Level 01 Area D Water Supply Layout

DRAWING NO.
SD-WS-L01-D-312

Forum # | MMA # 19050

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

ELECTRIC STORAGE WATER HEATER SCHEDULE

SYMBOL	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	ELECTRICAL CRITERIA KW INPUT	FIRST HOUR CAPACITY	UNIFORM ENERGY FACTOR (UEF)	NOTES
WHE-1 - WHE-5	PUBLIC AREAS	A.O. SMITH DEL-50	50	21/90°	120°F	4.5	45	0.92	1, 2, 3, 4
IWH-1	UNI 266 & 267	EEMAX 41	TANKLESS	0.5 GPM/43°	110°F	4.1	---	0	

NOTES:
1. PROVIDE T&P RELIEF VALVE AND VACUUM RELIEF VALVE
2. PROVIDE GATE/BALL VALVES WITH UNIONS AND DIELECTRIC FITTINGS ON WATER INLET AND OUTLET CONNECTIONS.
3. ALL UNITS SHALL MEET ASHRAE 90.1-2013, 2015 NAECA, ICC CODE AND ALL LOCAL CODE REQUIREMENTS.
4. ASME RATING NOT REQUIRED, ALL MODELS EQUIPPED WITH HEAT TRAPS..

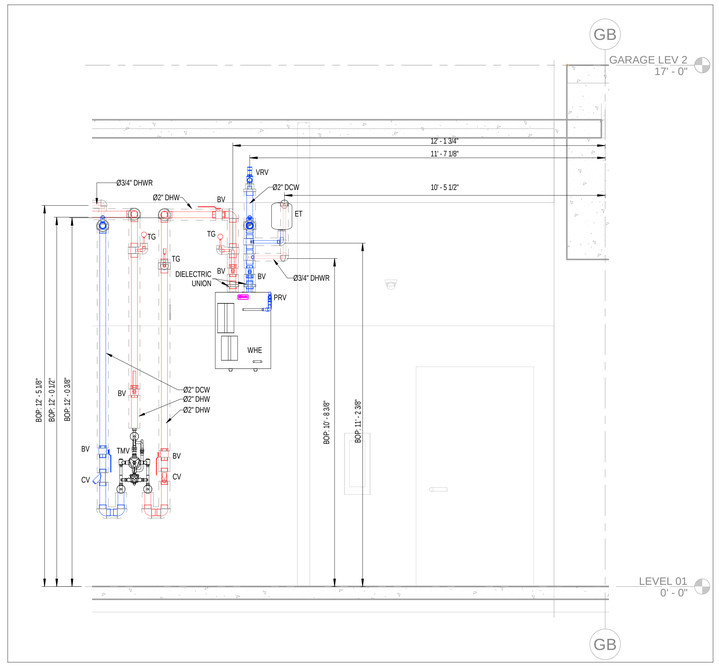
GENERAL REQUIREMENTS:
A. ALL WATER HEATER ELEMENTS SHALL OPERATE AT THE FULL KW AND RECOVERY SCHEDULED WHEN OPERATING AT THE BUILDING VOLTAGE INDICATED ON THE ELECTRICAL DRAWINGS (I.E. 208V, 220V, 240V, ETC.).
B. DUAL ELEMENT NON-SIMULTANEOUS OPERATION.
C. PROVIDE THERMAL EXPANSION TANK WATTS PLT-5.
D. APPROVED EQUALS SHALL BE BRADFORD WHITE, LOCHINVAR, RHEEM, AND STATE.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
BOP	BOTTOM OF PIPE
CV	CHECK VALVE
F/B	FROM BELOW
T/B	TO BELOW
DN	DOWN
T/A	TO ABOVE
F/A	FROM ABOVE
UP	UPWARDS
STR	STRAINER
HWRP	HOT WATER RECIRCULATING PUMP
CS	CIRCUIT SETTER
PC	PET COCK
MS	MOP SINK
IM	ICE MACHINE
LAV	LAVATORY
WC	WATER CLOSET
TMV	THERMAL MIXING VALVE
WHE	WATER HEATER ELECTRICAL
PRV	PRESSURE RELIEF VALVE
TG	TEMPERATURE GAUGE
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
BFV	BUTTERFLY VALVE
VRV	VACUUM RELIEF VALVE



3 SECTION VIEW
1/2" = 1'-0"



1 Level 01 Area D Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:
1.The BOP is measured from LEVEL 01(0' 00).

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
PRV	PRESSURE RELEASE VALVE
GSV	GAS SHUT OFF VALVE
BOP	BOTTOM OF PIPE
CV	CHECK VALVE
F/B	FROM BELOW
T/B	TO BELOW
DN	DOWN
SV	SOLENOID VALVE
MAU	MAKE UP AIR UNIT
CS	CIRCUIT SETTER
F/A	FROM ABOVE
T/A	TO ABOVE
BP	BRAISING PAN
GC	GRIDDLE COUNTER
CB	CHAR BROILER
STM	STEAMER
HB	HEATED CABINET
WHG	WATER HEATER GAS

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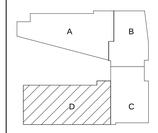
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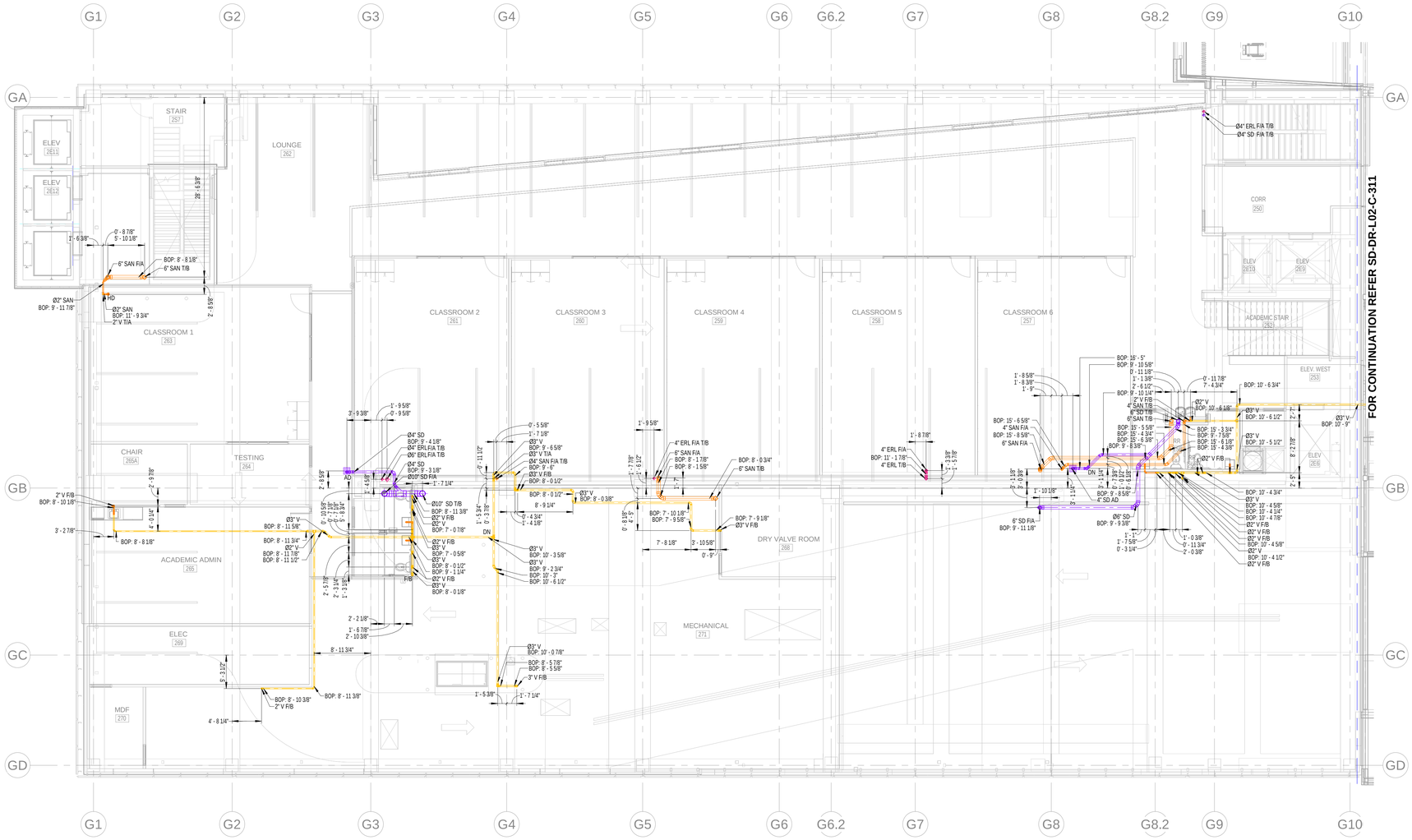
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-29-2021
R1	SHOP DRAWING	08-12-2021

DRAWING TITLE
Level 01 Area D Natural Gas Layout

DRAWING NO.
SD-NG-L01-D-313

Forum #		MMA #	19050



1 Level 02 Area D Drainage Layout
1/8" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from GARAGE LEVEL 02(17' 00).
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes in horizontal run.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX

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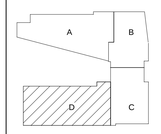
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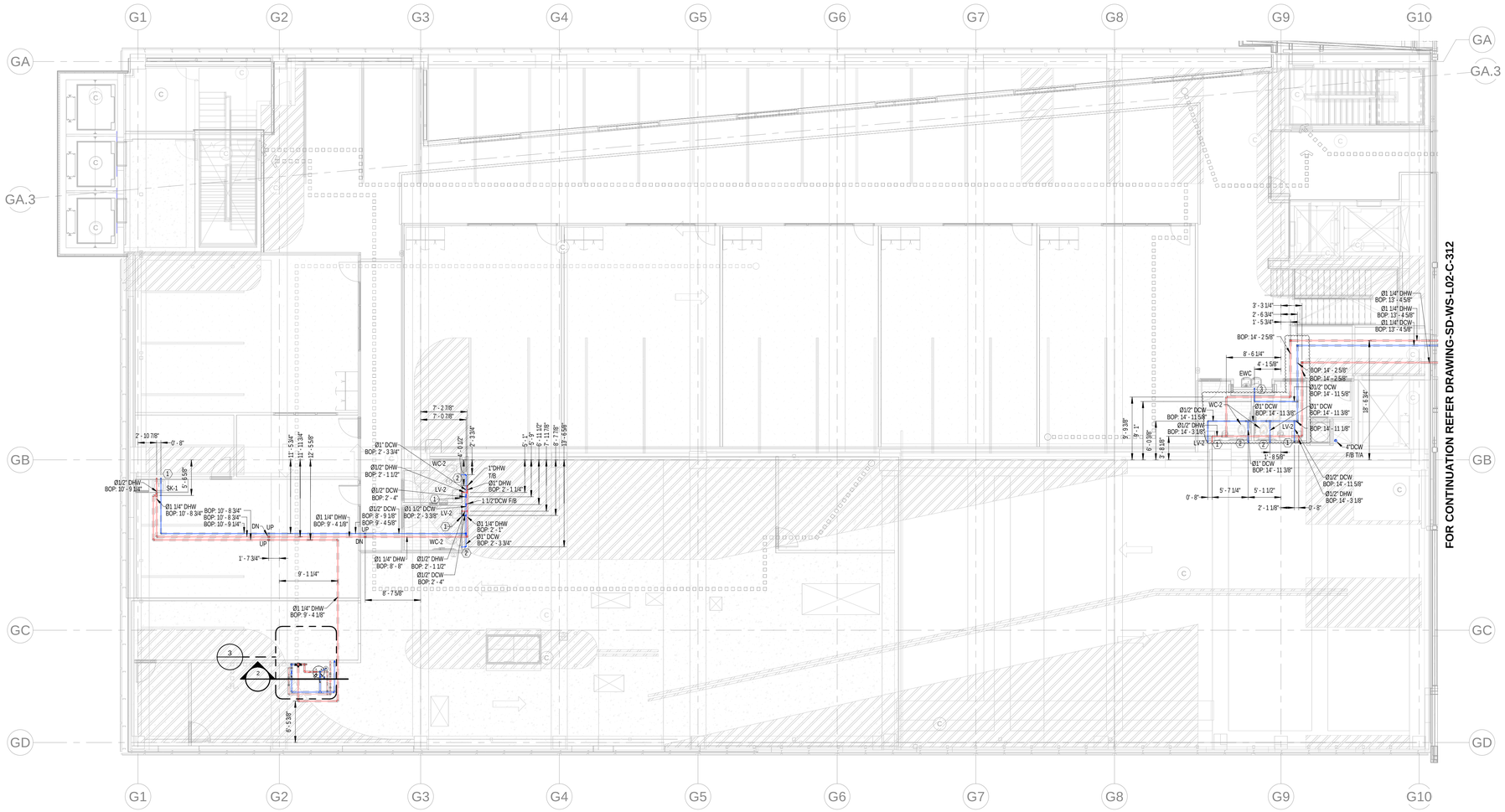
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-14-2021

DRAWING TITLE
Level 02 Area D Drainage Layout

DRAWING NO.
SD-DR-L02-D-311

Forum #		MMA #	19050



1 Level 02 Area D Water Supply Layout
1/8" = 1'-0"

SYMBOL	DESCRIPTION
	THERMAL MIXING VALVE(TMV)
	BALL VALVE(BV)

ELECTRIC STORAGE WATER HEATER SCHEDULE

SYMBOL	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	ELECTRICAL CRITERIA KW INPUT	FIRST HOUR CAPACITY	UNIFORM ENERGY FACTOR (UEF)	NOTES
WHE-1 - WHE-5	PUBLIC AREAS	A.O. SMITH DEL-50	50	21/90°	120°F	4.5	45	0.92	1, 2, 3, 4
IWH-1	UNI 266 & 267	EEMAX 41	TANKLESS	0.5 GPM/43°	110°F	4.1	---	0	

NOTES:
1. PROVIDE T&P RELIEF VALVE AND VACUUM RELIEF VALVE
2. PROVIDE GATE/BALL VALVES WITH UNIONS AND DIELECTRIC FITTINGS ON WATER INLET AND OUTLET CONNECTIONS.
3. ALL UNITS SHALL MEET ASHRAE 90.1-2013, 2015 NAECA, ICC CODE AND ALL LOCAL CODE REQUIREMENTS.
4. ASME RATING NOT REQUIRED, ALL MODELS EQUIPPED WITH HEAT TRAPS..

GENERAL REQUIREMENTS:
A. ALL WATER HEATER ELEMENTS SHALL OPERATE AT THE FULL KW AND RECOVERY SCHEDULED WHEN OPERATING AT THE BUILDING VOLTAGE INDICATED ON THE ELECTRICAL DRAWINGS (I.E. 208V, 220V, 240V, ETC.).
B. DUAL ELEMENT NON-SIMULTANEOUS OPERATION.
C. PROVIDE THERMAL EXPANSION TANK WATTS PLT-5.
D. APPROVED EQUALS SHALL BE BRADFORD WHITE, LOCHINVAR, RHEEM, AND STATE.

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

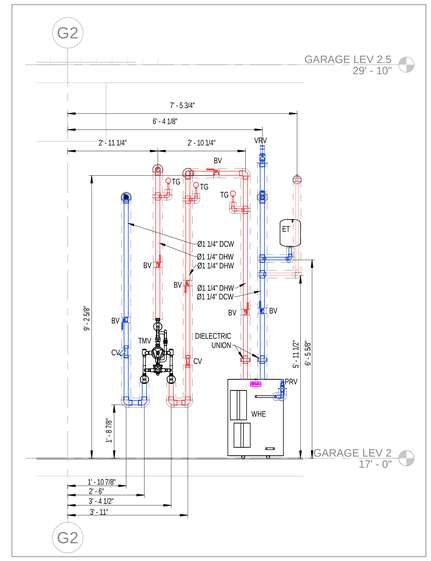
FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
BOP	BOTTOM OF PIPE
CV	CHECK VALVE
F/B	FROM BELOW
T/B	TO BELOW
DN	DOWN
T/A	TO ABOVE
F/A	FROM ABOVE
UP	UPWARDS
STR	STRAINER
HWRP	HOT WATER RECIRCULATING PUMP
CS	CIRCUIT SETTER
PC	PET COCK
MS	MOP SINK
IM	ICE MACHINE
LAV	LAVATORY
WC	WATER CLOSET
TMV	THERMAL MIXING VALVE
WHE	WATER HEATER ELECTRICAL
PRV	PRESSURE RELIEF VALVE
TG	TEMPERATURE GAUGE
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
BFV	BUTTERFLY VALVE
VRV	VACUUM RELIEF VALVE

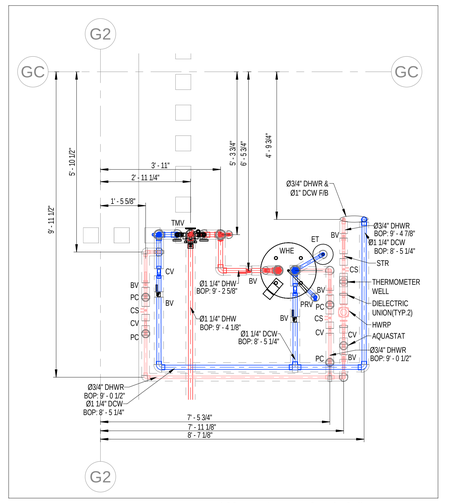
GENERAL NOTES:

1.The BOP is measured from LEVEL 02(17' 00).
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN



2 Section View
1/2" = 1'-0"



3 Level 02 Area D Water Supply Callout
1/2" = 1'-0"

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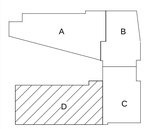
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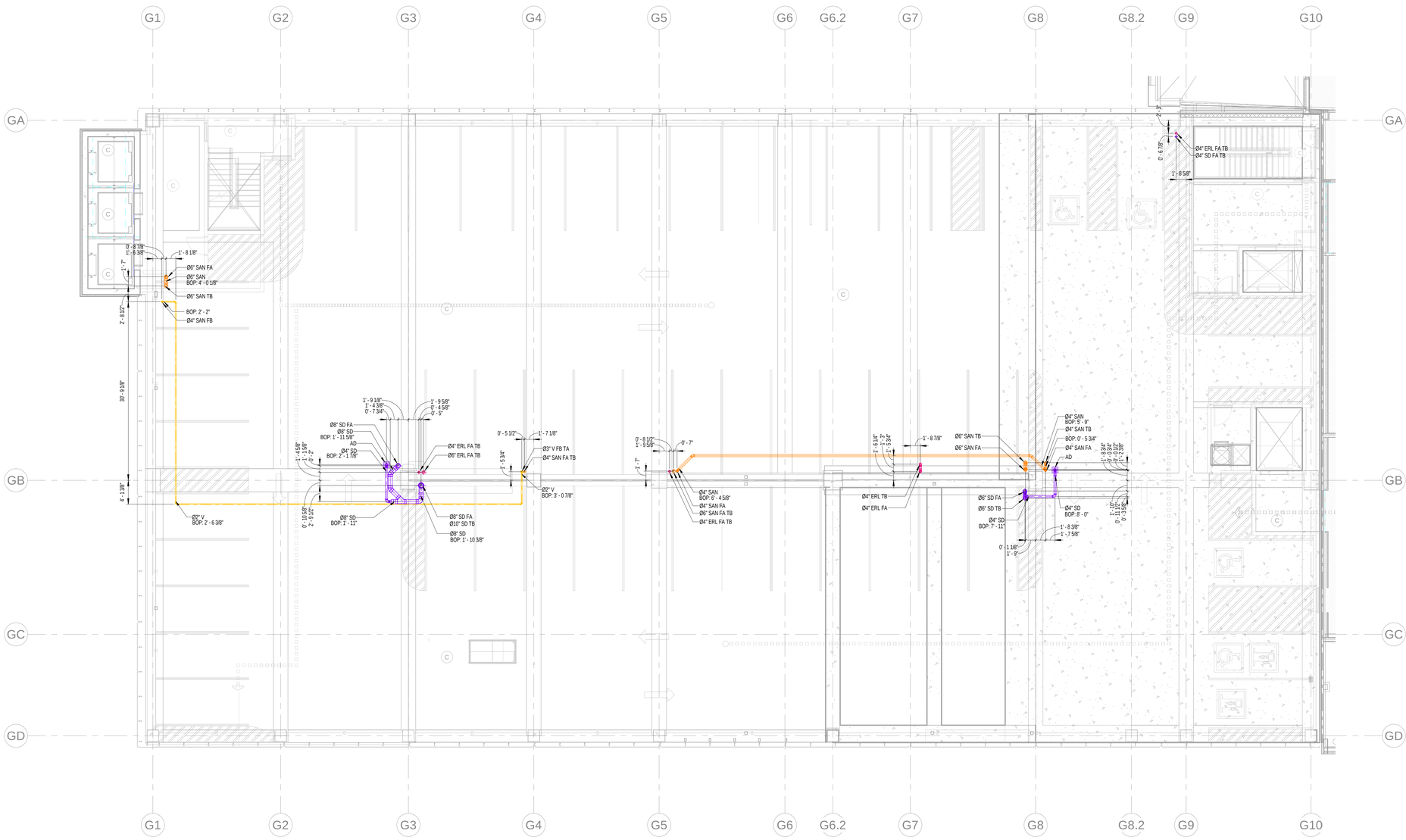
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1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-28-2021
R1	SHOP DRAWING	07-01-2022

DRAWING TITLE
Level 02 Area D Water Supply Layout

DRAWING NO.
SD-WS-L02-D-312

Forum # | MMA # 19050



1 Garage Level 03 Area D Drainage Layout
1/8" = 1'-0"

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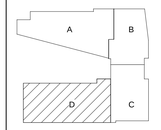
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REV	DESCRIPTION	DATE
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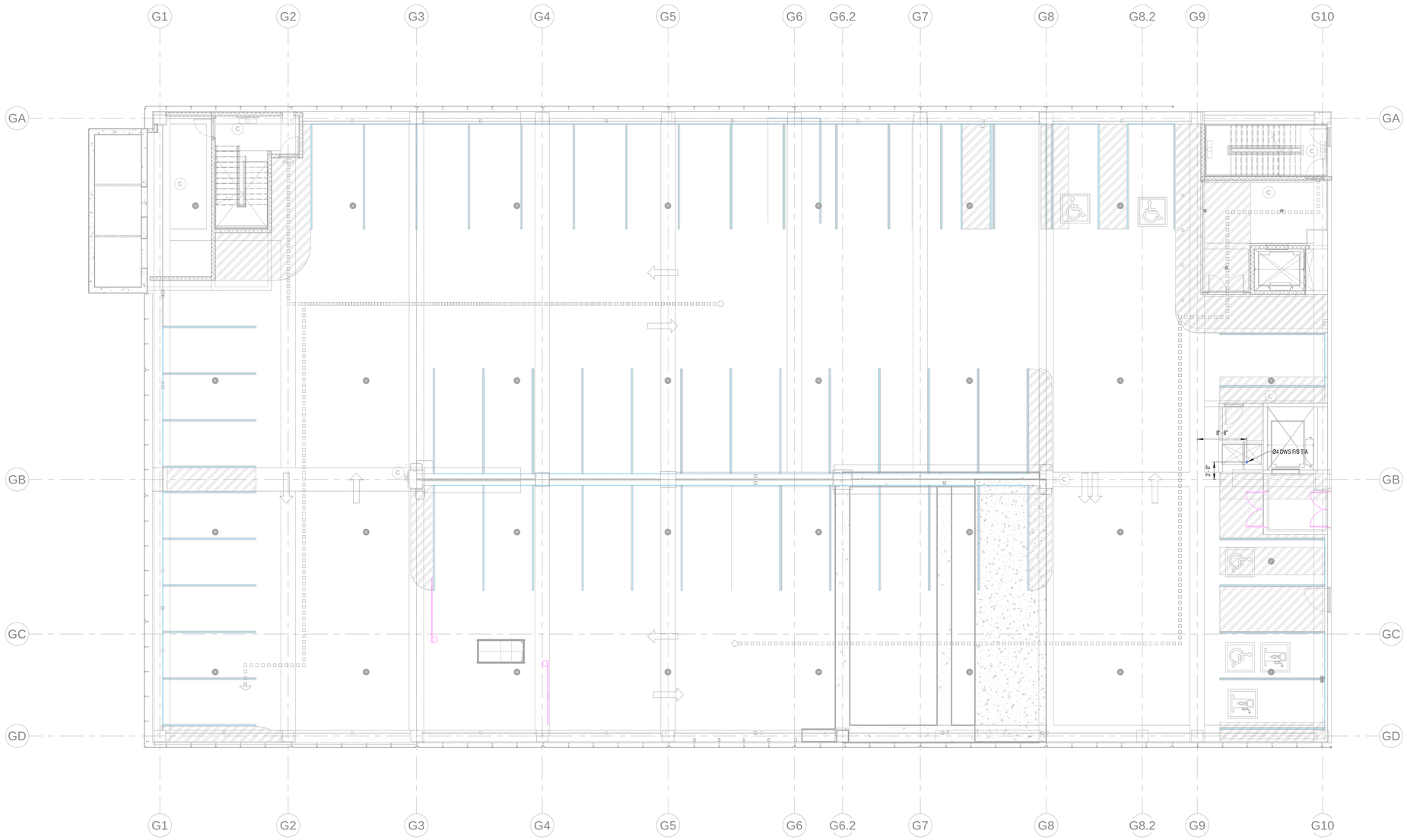
DRAWING TITLE

Garage Level 03 Area D Drainage Layout

DRAWING NO.

SD-DR-GL03-D-311

Forum #		MMA #	19050



1 Garage Level 03 Area D Water Supply Layout
1/8" = 1'-0"

ABBREVIATION	DESCRIPTION
DWS	DOMESTIC WATER SUPPLY
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE

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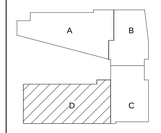
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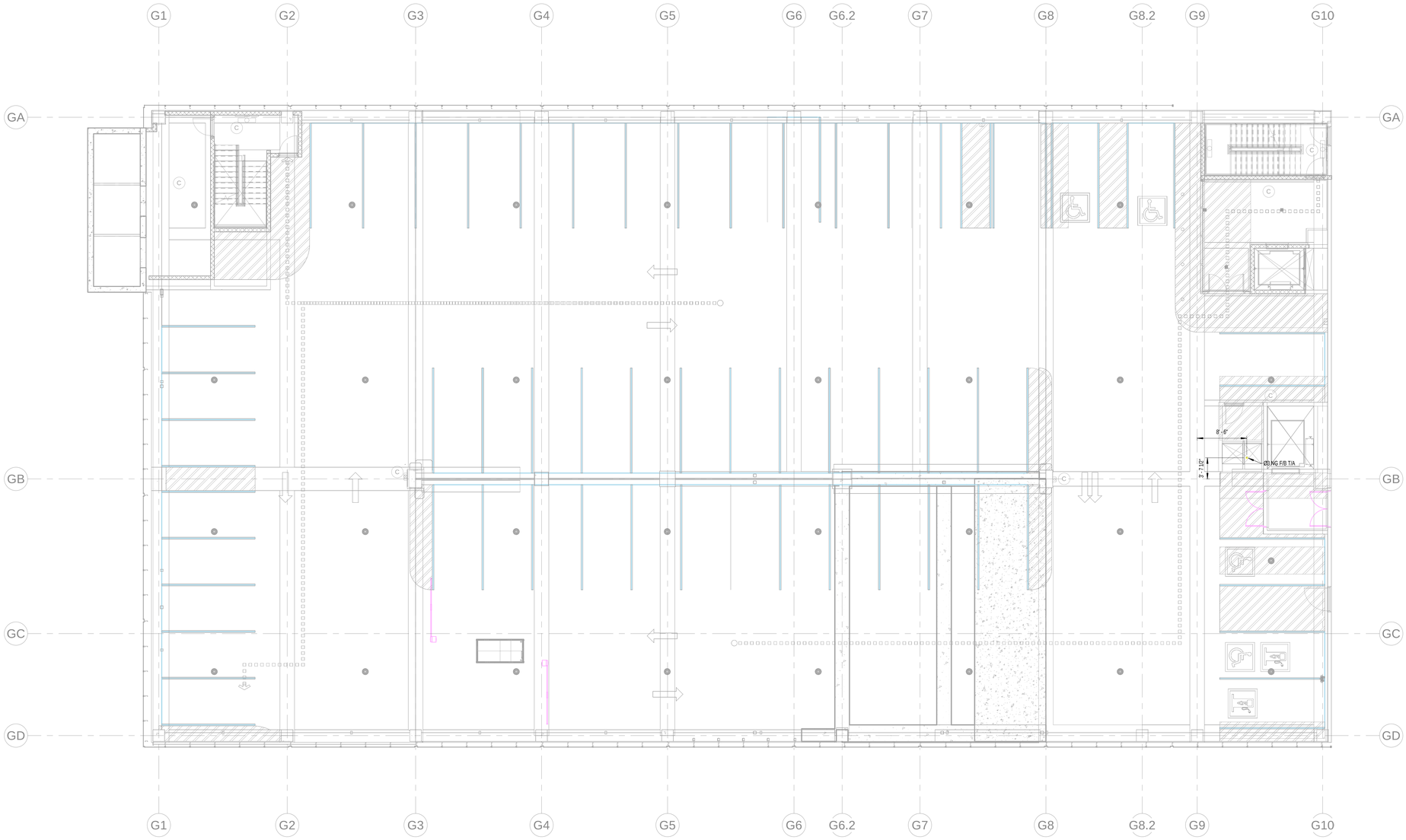
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-27-2021

DRAWING TITLE
Garage Level 03 Area D
Water Supply Layout

DRAWING NO.
SD-WS-L03-D-312

Forum #		MMA #	19050



1 Garage Level 03 Area D Natural Gas Layout
1/8" = 1'-0"

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE

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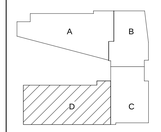
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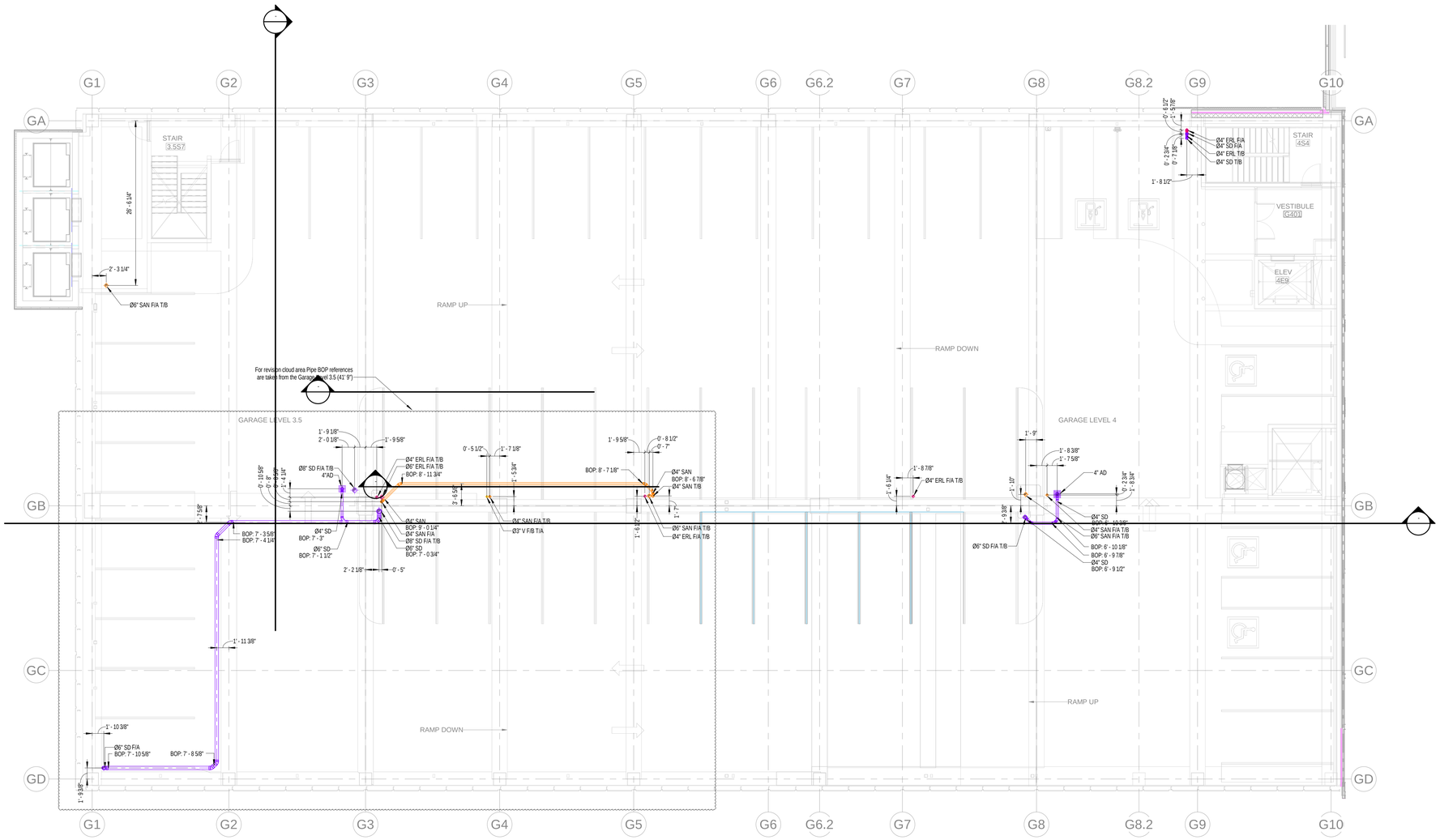
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REV	DESCRIPTION	DATE
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DRAWING TITLE
Garage Level 03 Area D
Natural Gas Layout

DRAWING NO.
SD-NG-GL03-D-313

Forum #		MMA #	19050



1 Garage Level 04 Area D Drainage Layout
1/8" = 1'-0"

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

GENERAL NOTES:

1.The BOP is measured from GARAGE LEVEL 04(47' 6") for left cloud mark area measured from GARAGE LEVEL 3.5 (41'9").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes in horizontal run.

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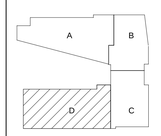
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KEY PLAN:



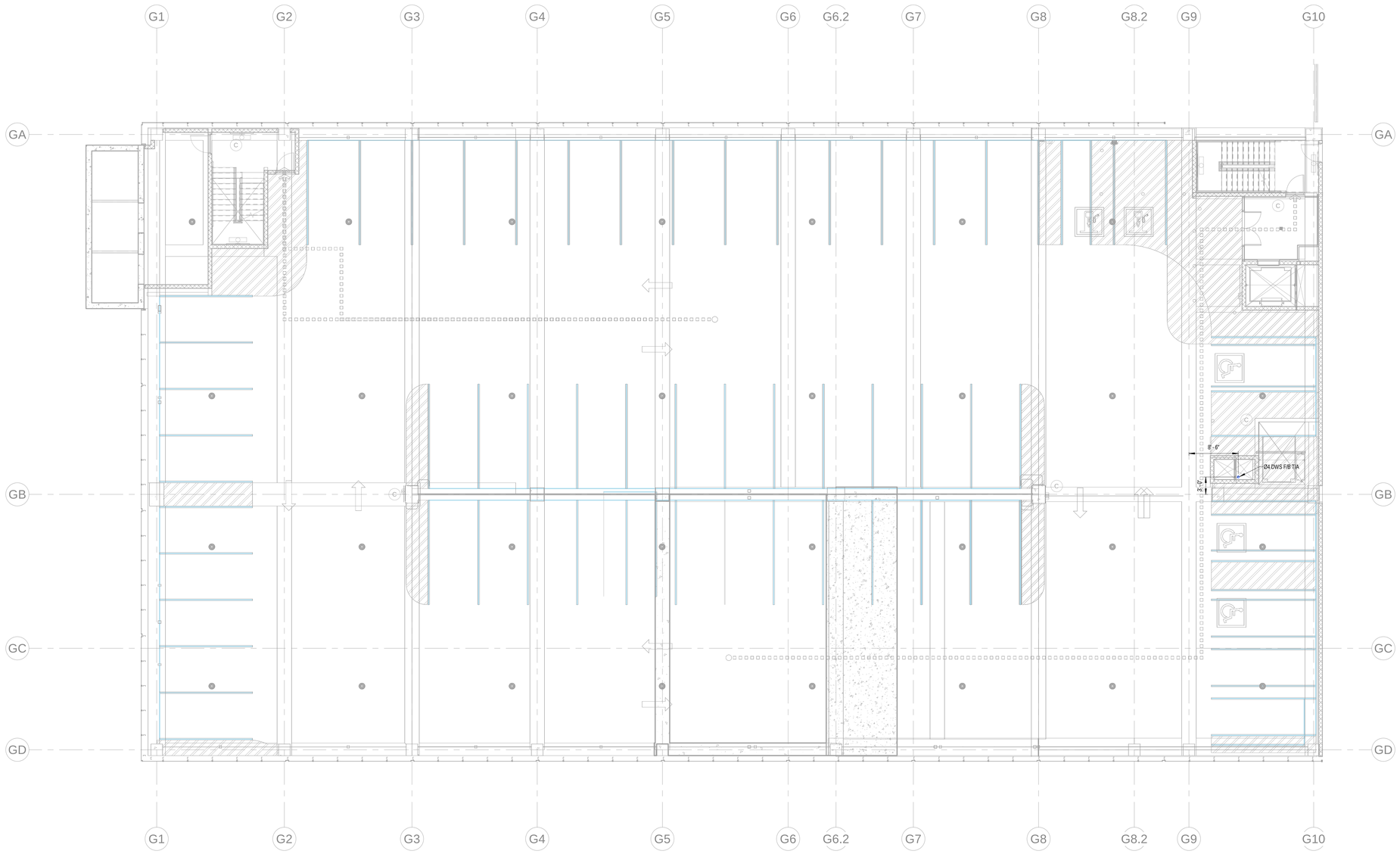
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	14-10-2021
R1	SHOP DRAWING	03-10-2022

DRAWING TITLE
Garage Level 04 Area D Drainage Layout

DRAWING NO.
SD-DR-GL04-D-311

Forum #		MMA #	19050



1 Garage Level 04 Area D Water Supply Layout
1/8" = 1'-0"

ABBREVIATION	DESCRIPTION
DWS	DOMESTIC WATER SUPPLY
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE

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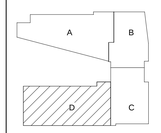
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-27-2021

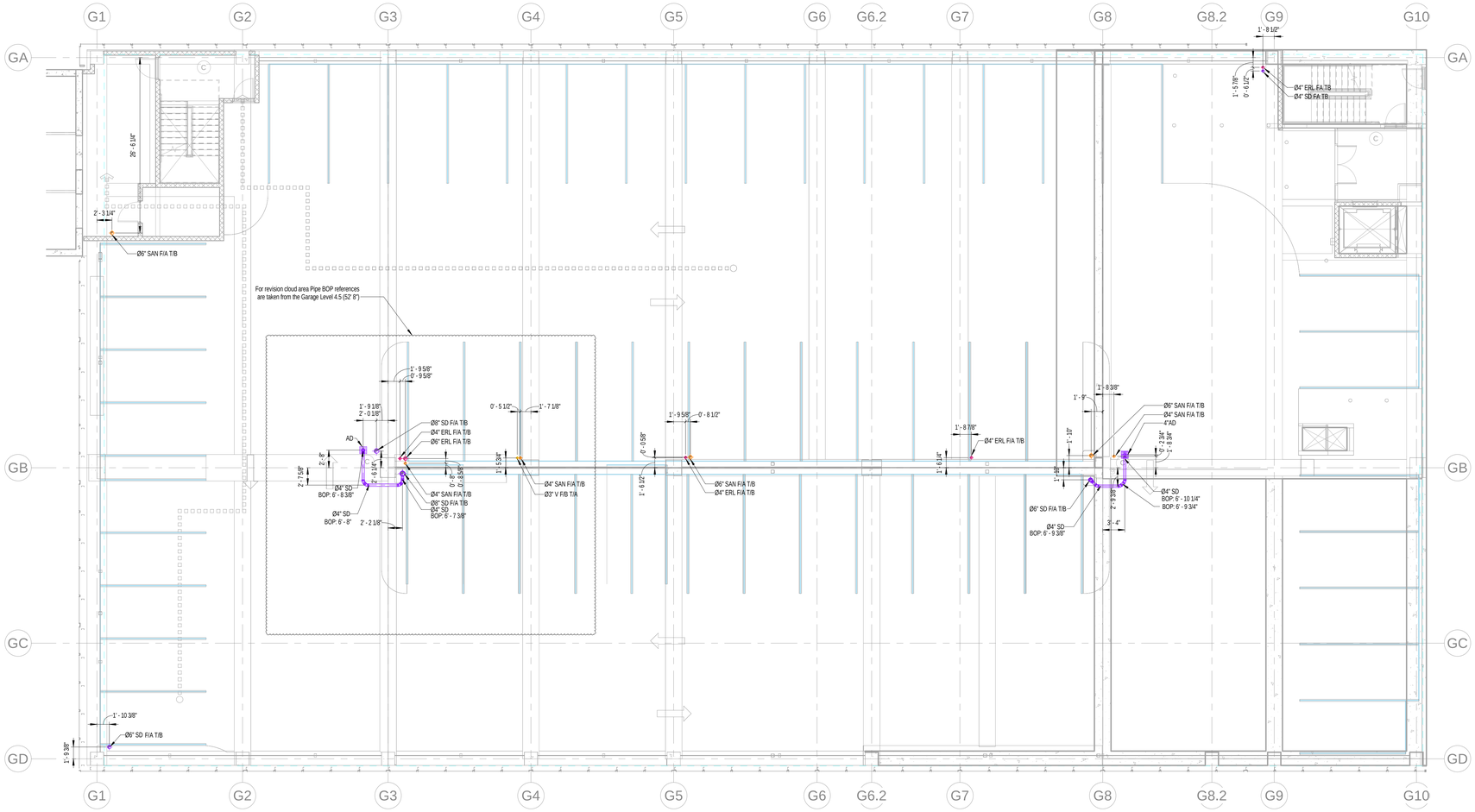
DRAWING TITLE

Garage Level 04 Area D
Water Supply Layout

DRAWING NO.

SD-WS-GL04-D-312

Forum #		MMA #	19050



1 Garage Level 05 Area D Drainage Layout
1/8" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from GARAGE LEVEL 05 (57'-10") for left cloud mark area measured from GARAGE LEVEL 3.5 (41'9").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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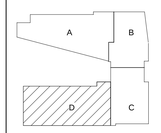
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-21-2021
R1	SHOP DRAWING	10-14-2021
R1	SHOP DRAWING	03-10-2022

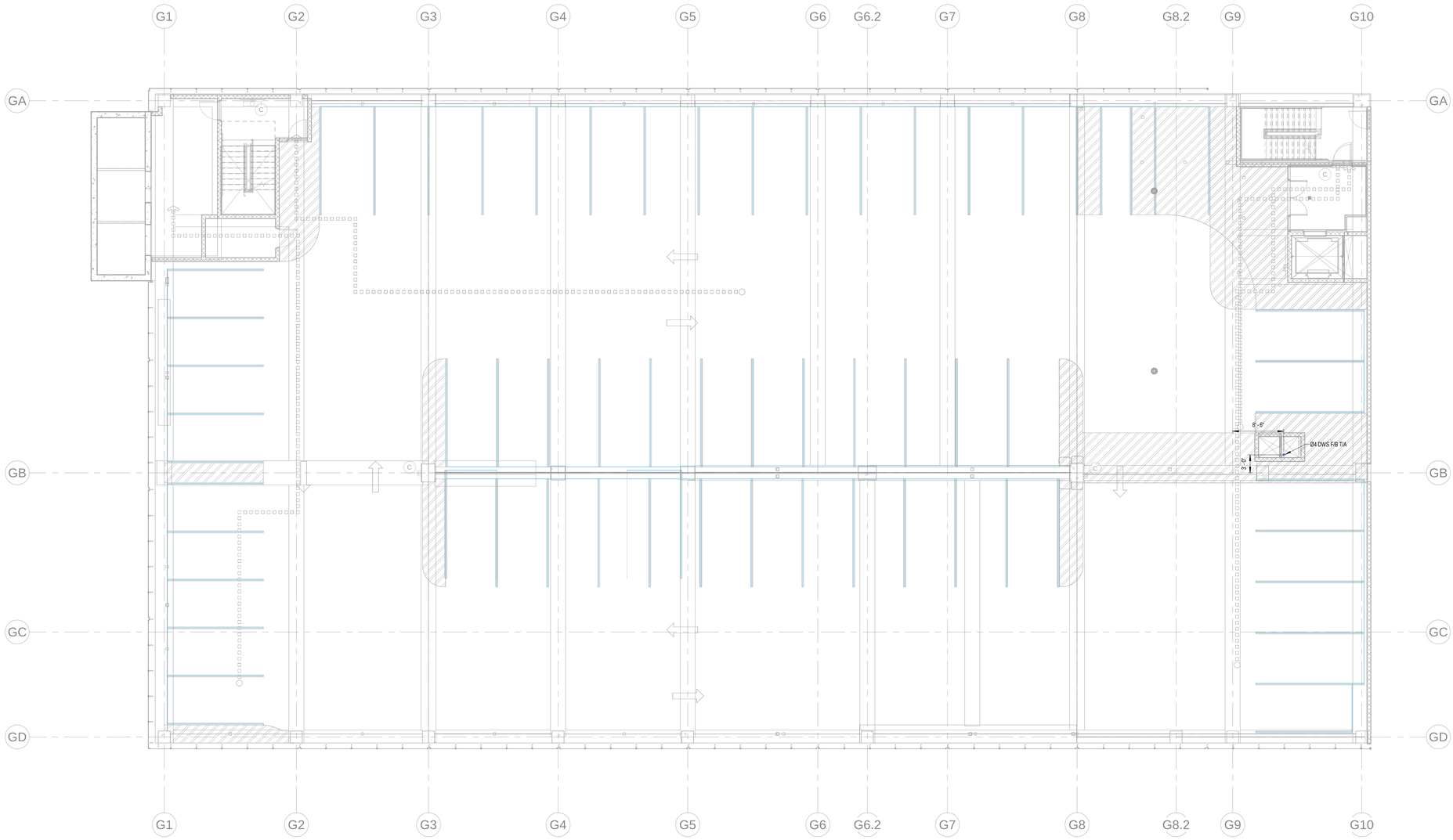
DRAWING TITLE

Garage Level 05 Area D Drainage Layout

DRAWING NO.

SD-DR-GL05-D-311

Forum #		MMA #	19050



1 Garage Level 05 Area D Water Supply Layout
1/8" = 1'-0"

ABBREVIATION	DESCRIPTION
DWS	DOMESTIC WATER SUPPLY
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE

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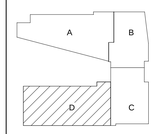
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KEY PLAN:



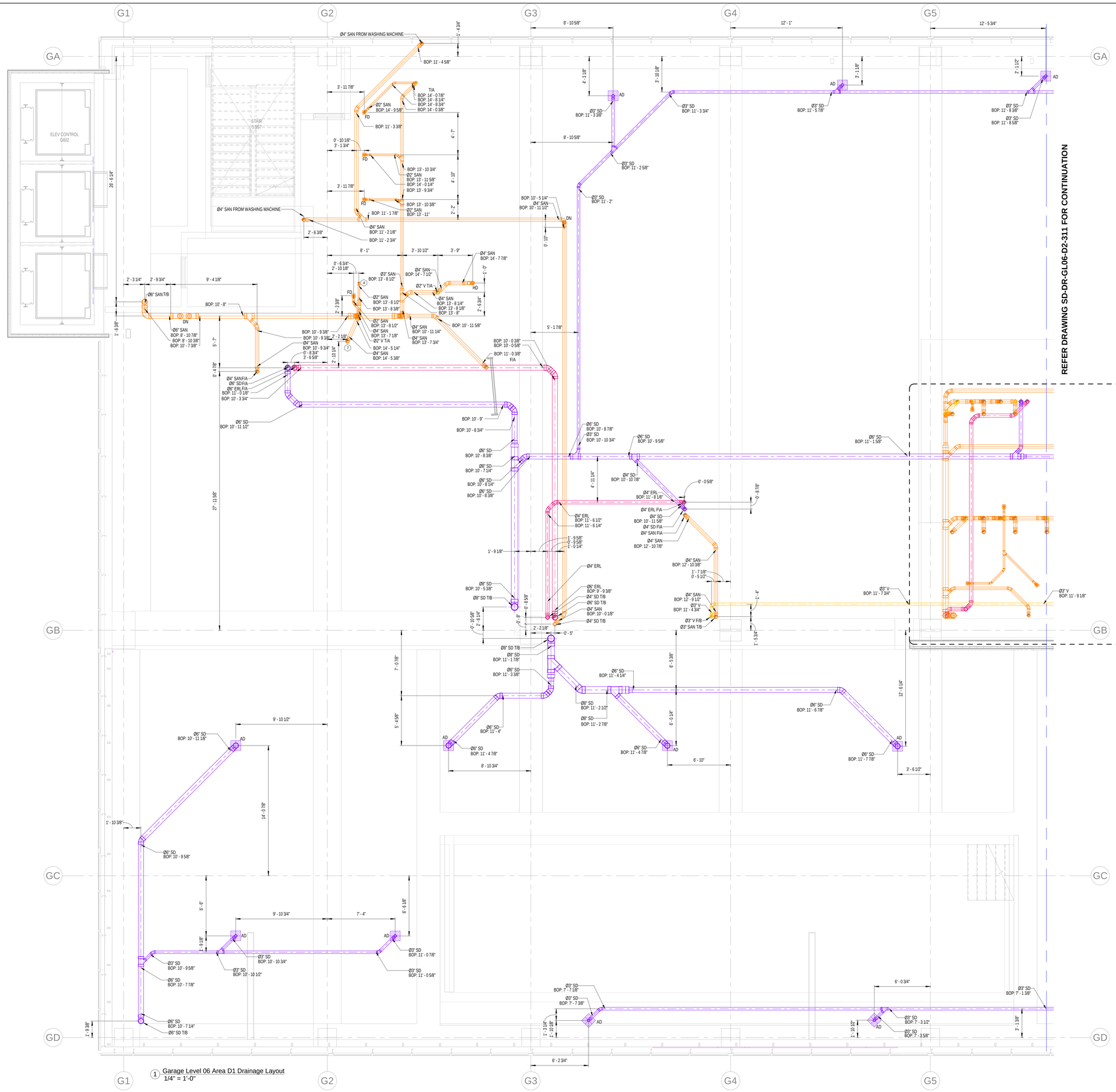
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST, ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	07-27-2021

DRAWING TITLE
Garage Level 05 Area D
Water Supply Layout

DRAWING NO.
SD-WS-GL05-D-312

Forum #		MMA #	19050



1 Garage Level 06 Area D1 Drainage Layout
1/4" = 1'-0"

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

GENERAL NOTES:

1.The BOP is measured from GARAGE LEVEL 5.5 (63'-0").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & ERL is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	2" SAN T/B & 2" V T/A
7	4" SAN (WC)

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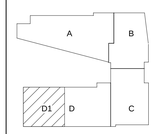
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KEY PLAN:



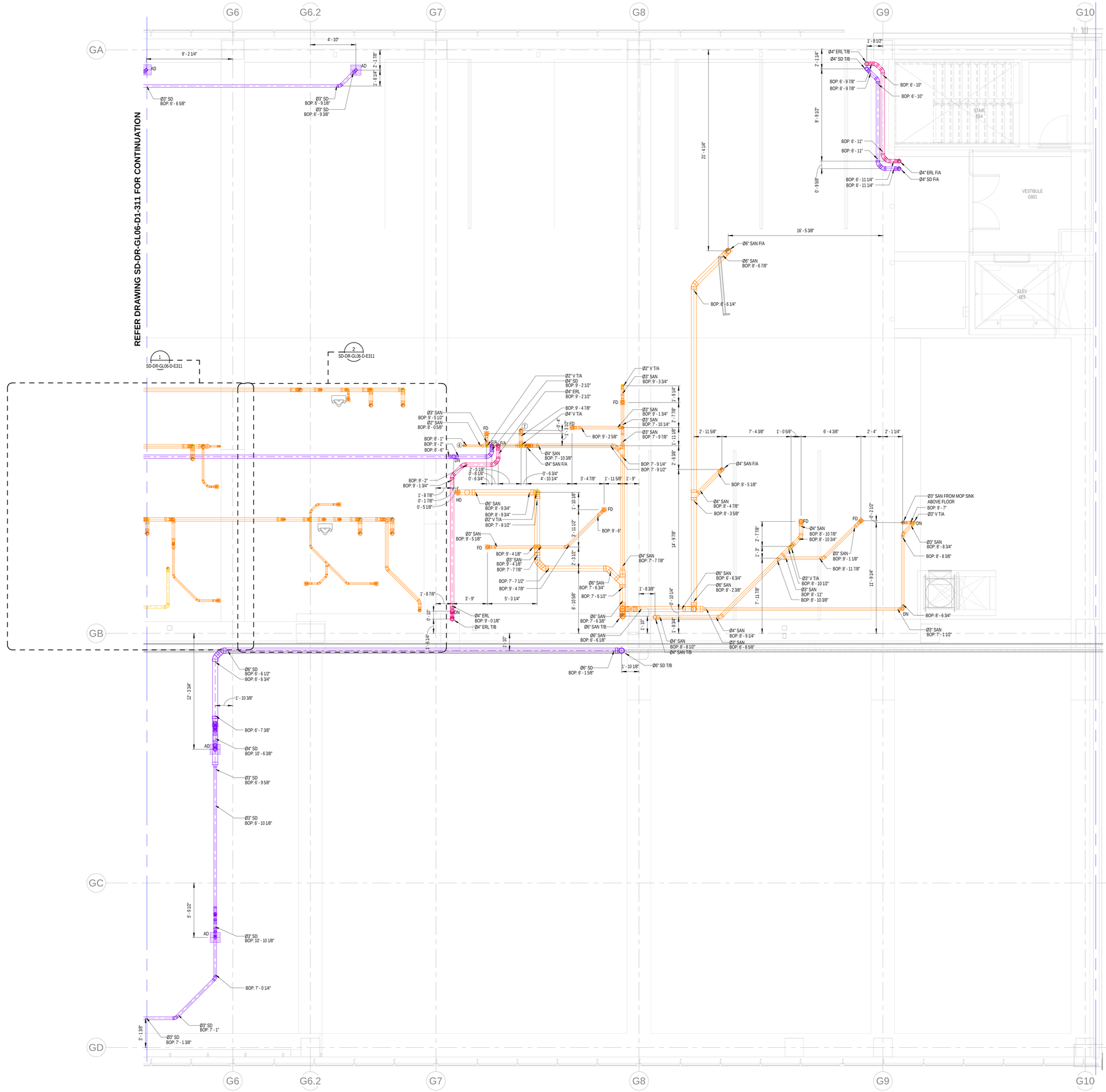
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-13-2021
R0	SHOP DRAWING	03-10-2022

DRAWING TITLE
Garage Level 06 Area D1 Drainage Layout

DRAWING NO.
SD-DR-GL06-D1-311

Forum # | MMA # 19050



1 Garage Level 06 Area D2 Drainage Layout
1/4" = 1'-0"

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

GENERAL NOTES:

1.The BOP is measured from GARAGE LEVEL 06 (68'-2").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & ERL is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	2" SAN T/B & 2" V T/A
7	4" SAN (WC)

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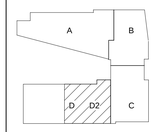
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COVINGTON, GA 30014
678.342.8459

KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-13-2021
R0	SHOP DRAWING	03-10-2022

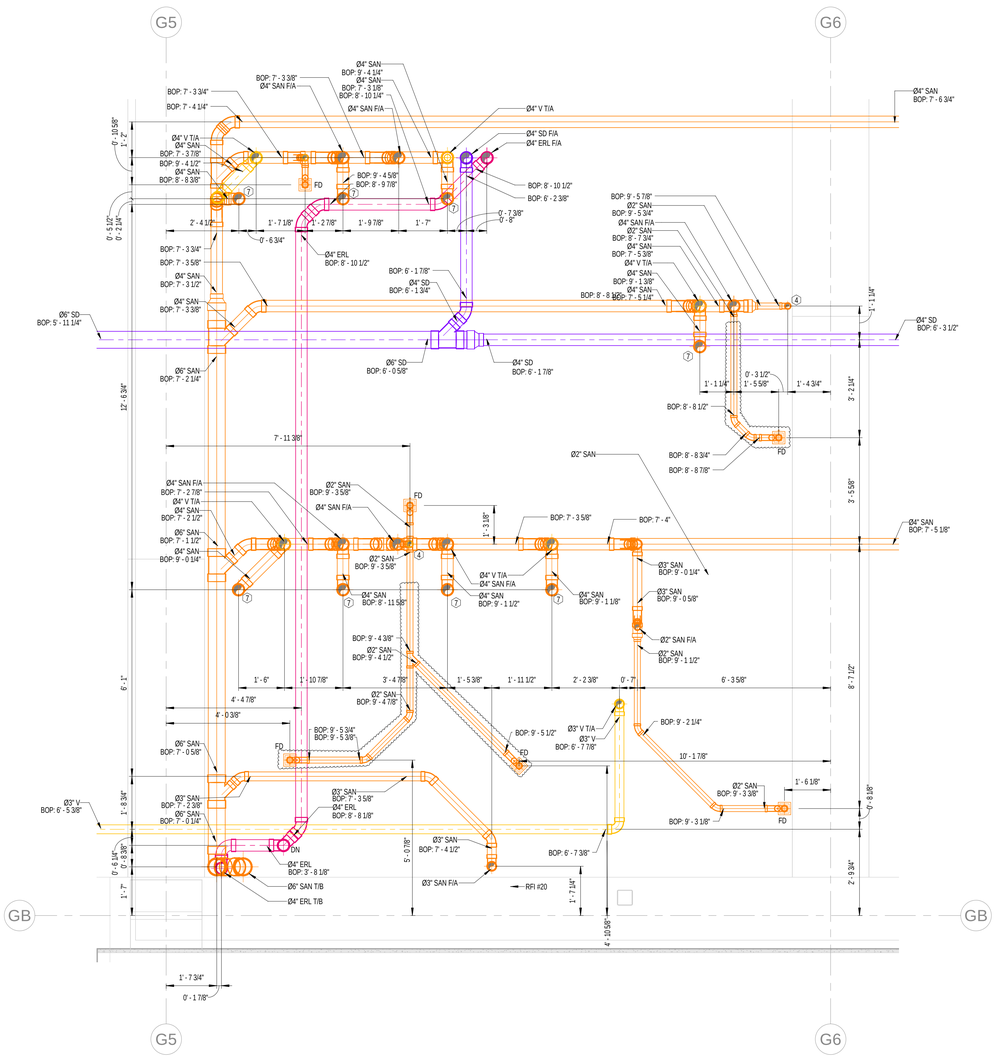
DRAWING TITLE

Garage Level 06 Area D2 Drainage Layout

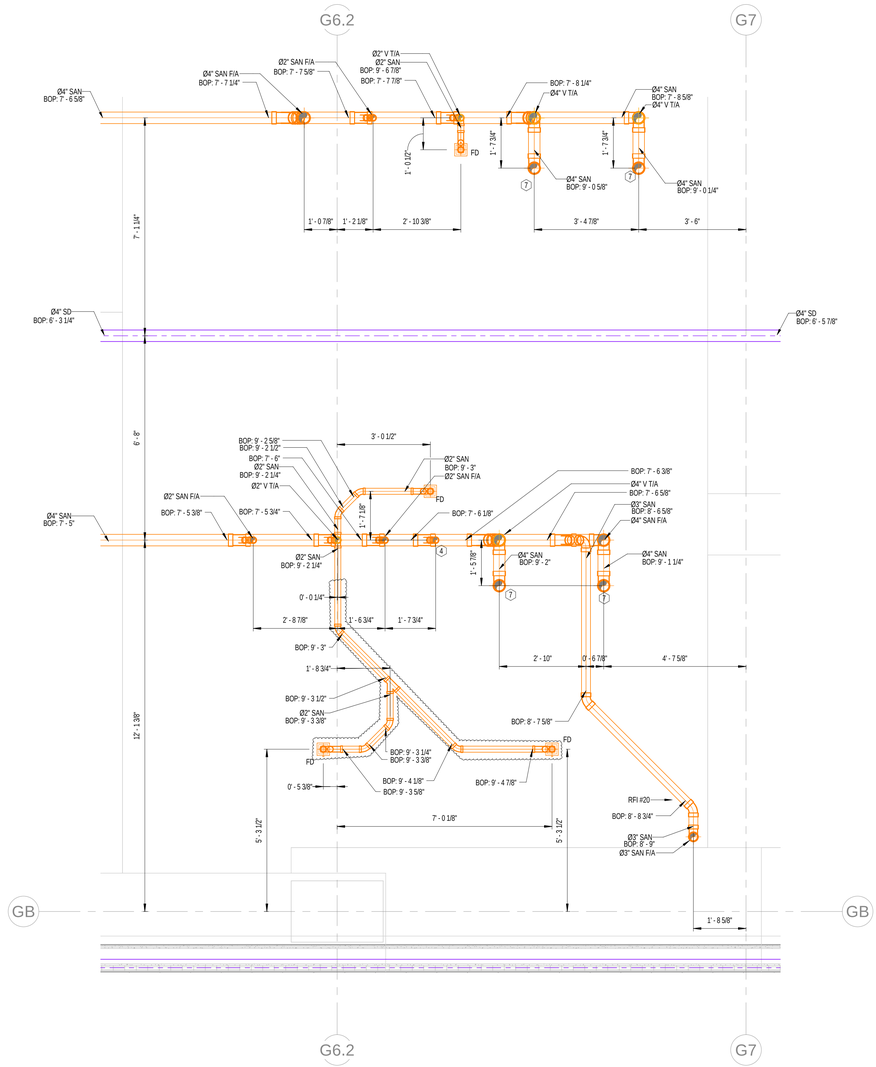
DRAWING NO.

SD-DR-GL06-D2-311

Forum # | MMA # 19050



1 Garage Level 06 Area D1 Drainage Layout - Enlarge Women Toilet Area
1/2" = 1'-0"



2 Garage Level 06 Area D1 Drainage Layout - Enlarge Men Toilet Area
1/2" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from GARAGE LEVEL 06 (68'-2").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain & ERL is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	2" SAN T/B & 2" V T/A
7	4" SAN (WC)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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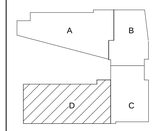
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-13-2021
R1	SHOP DRAWING	11-11-2021	

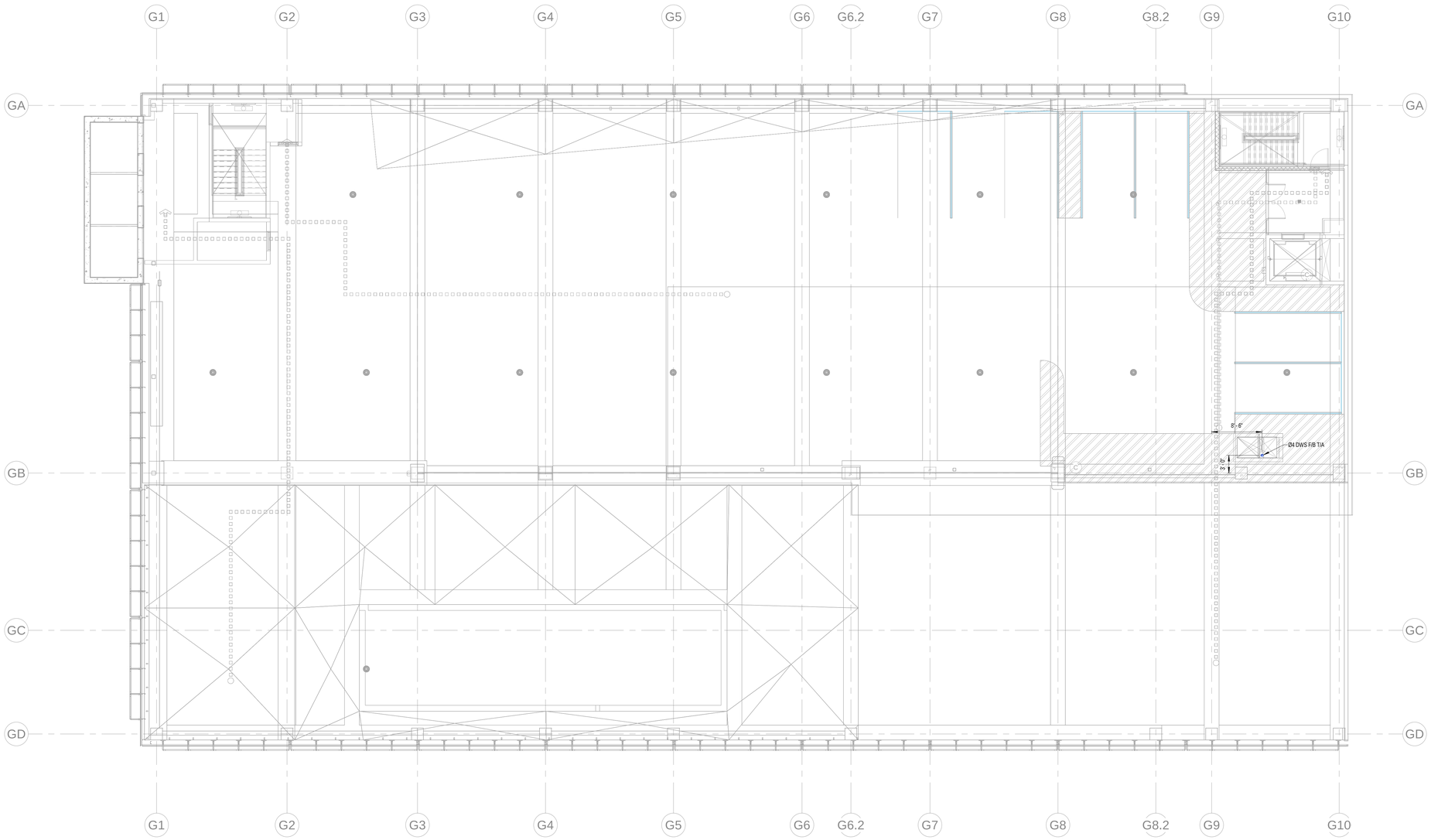
DRAWING TITLE

ENLARGE VIEW TOILET AREA GL06

DRAWING NO.

SD-DR-GL06-D-E311

Forum #		MMA #	19050



1 Garage Level 06 Area D Water Supply Layout
1/8" = 1'-0"

ABBREVIATION	DESCRIPTION
DWS	DOMESTIC WATER SUPPLY
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE

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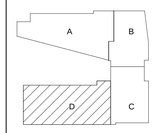
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KEY PLAN:



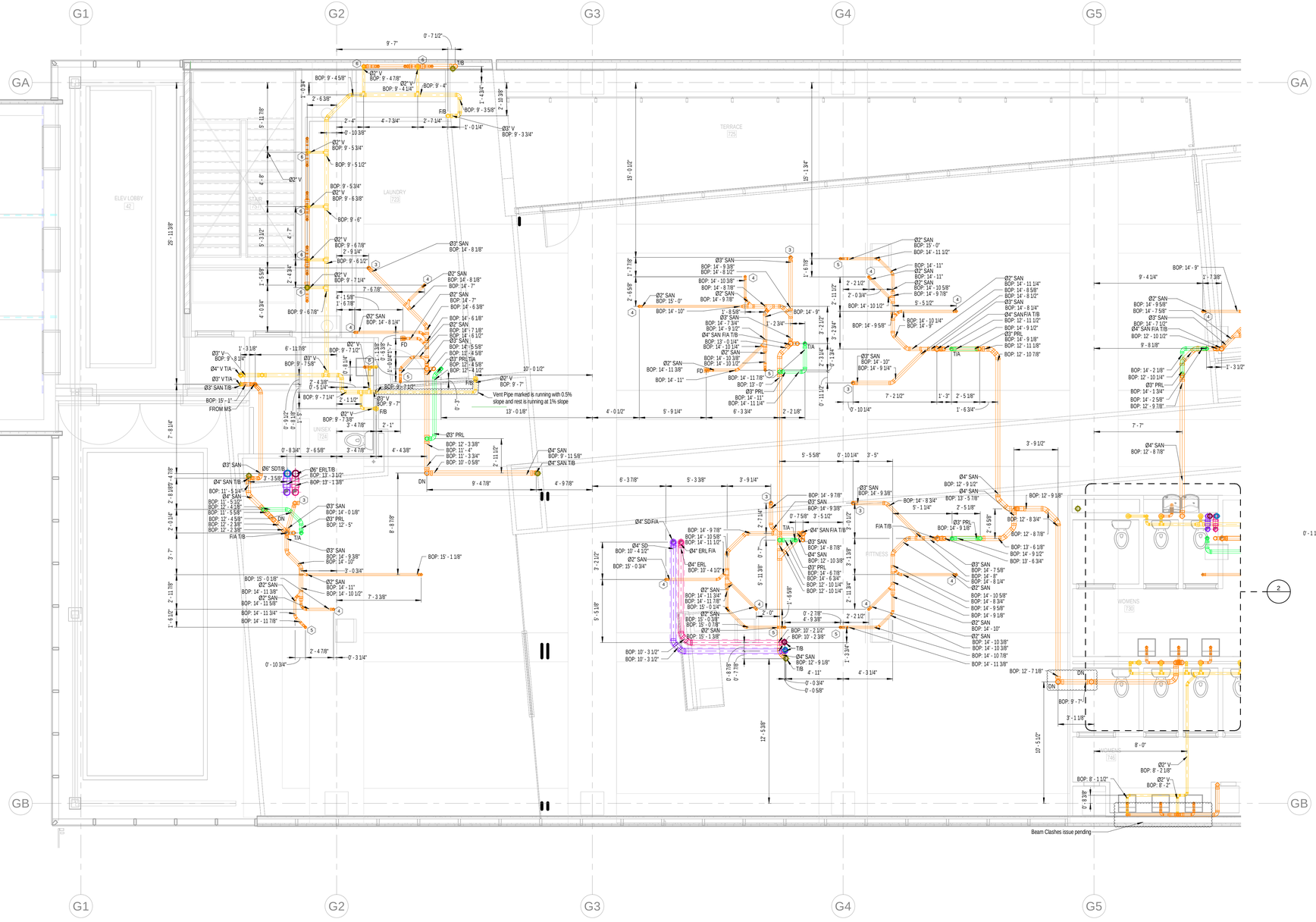
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
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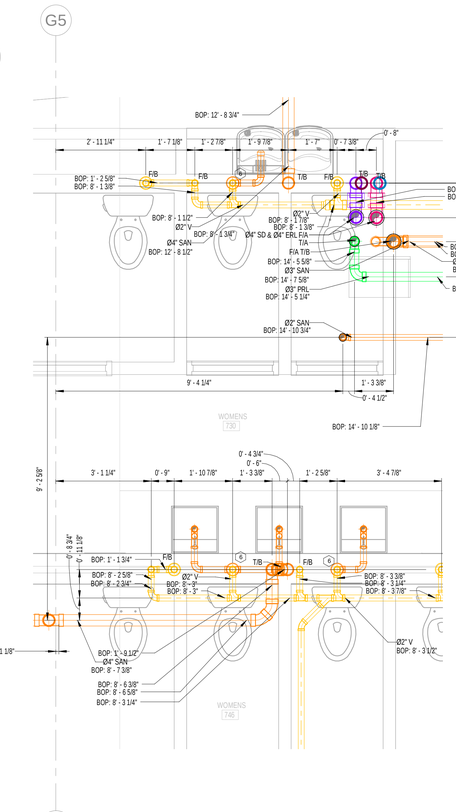
DRAWING TITLE
Garage Level 06 Area D
Water Supply Layout

DRAWING NO.
SD-WS-GL06-D-312

Forum #		MMA #	19050



1 Level 07 Area D1 Drainage Layout
1/4" = 1'-0"



2 Level 07 Area D1 Enlarge Drainage Layout
1/2" = 1'-0"

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 07 (78'-8").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	2" SAN T/B & 2" V T/A
7	4" SAN (WC)

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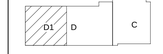
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KEY PLAN:



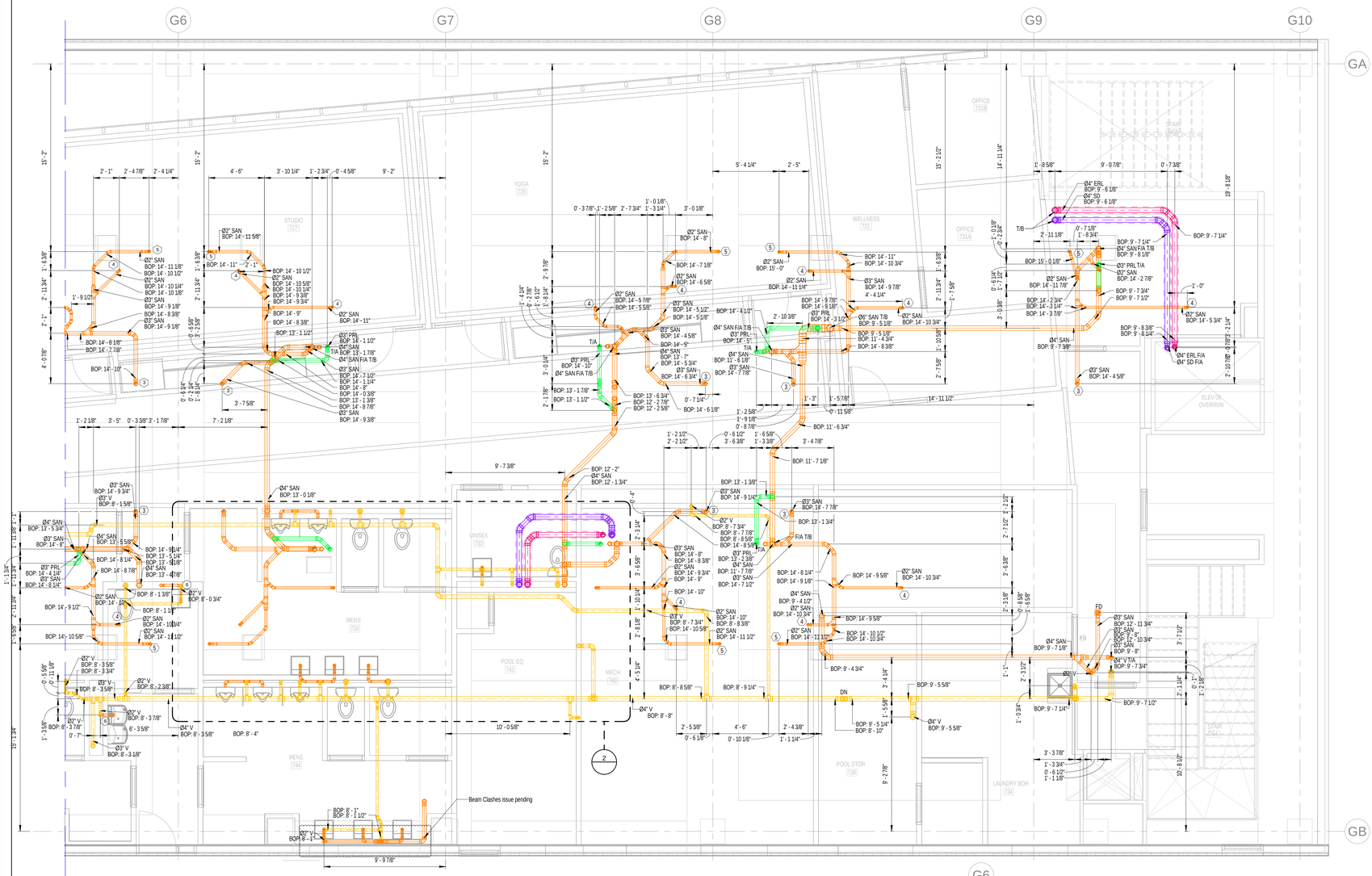
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-30-2021
R1	SHOP DRAWING	06-28-2022

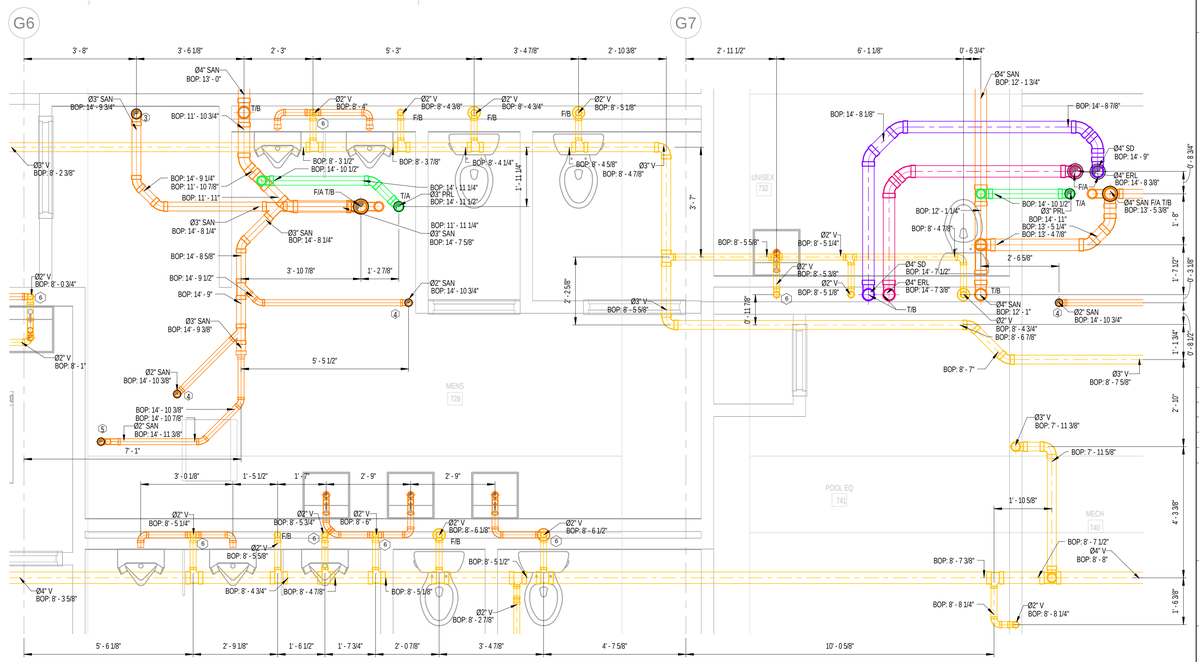
DRAWING TITLE
Level 07 Area D1 Drainage Layout

DRAWING NO.
SD-DR-L07-D1-311

Forum # | MMA # 19050



1 Level 07 Area D2 Drainage Layout
1/4" = 1'-0"



2 Level 07 Area D2 Enlarge Drainage Layout
1/2" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 07 (78'-8").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	2" SAN T/B & 2" V T/A
7	4" SAN (WC)

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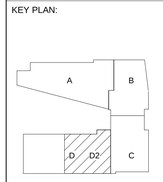
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	03-14-2022

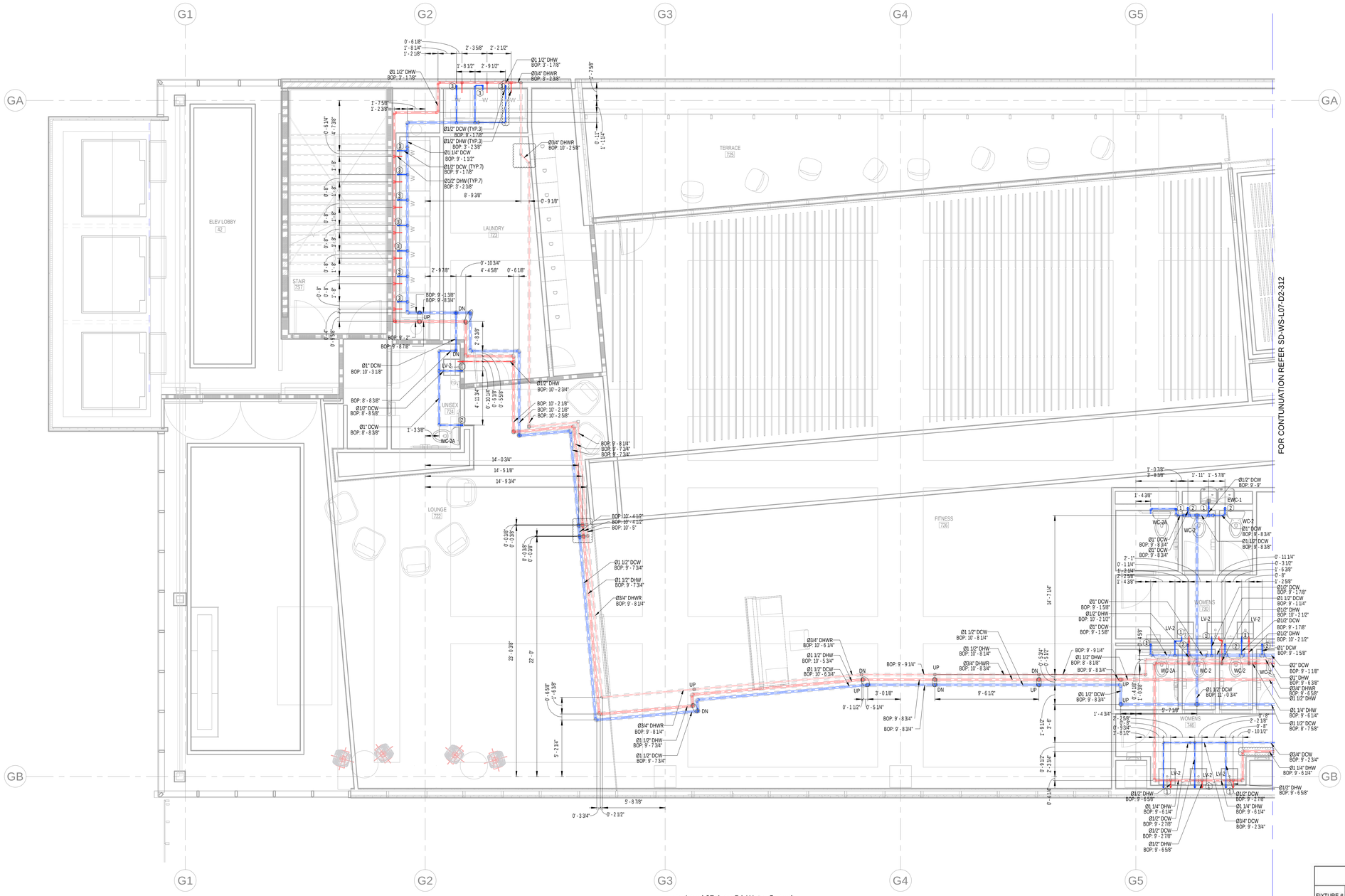
DRAWING TITLE

Level 07 Area D2 Drainage Layout

DRAWING NO.

SD-DR-L07-D2-311

Forum # | MMA # 19050



1 Level 07 Area D1 Water Suppply
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 07(78'-8").
2. The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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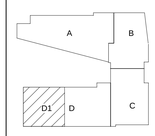
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KEY PLAN:



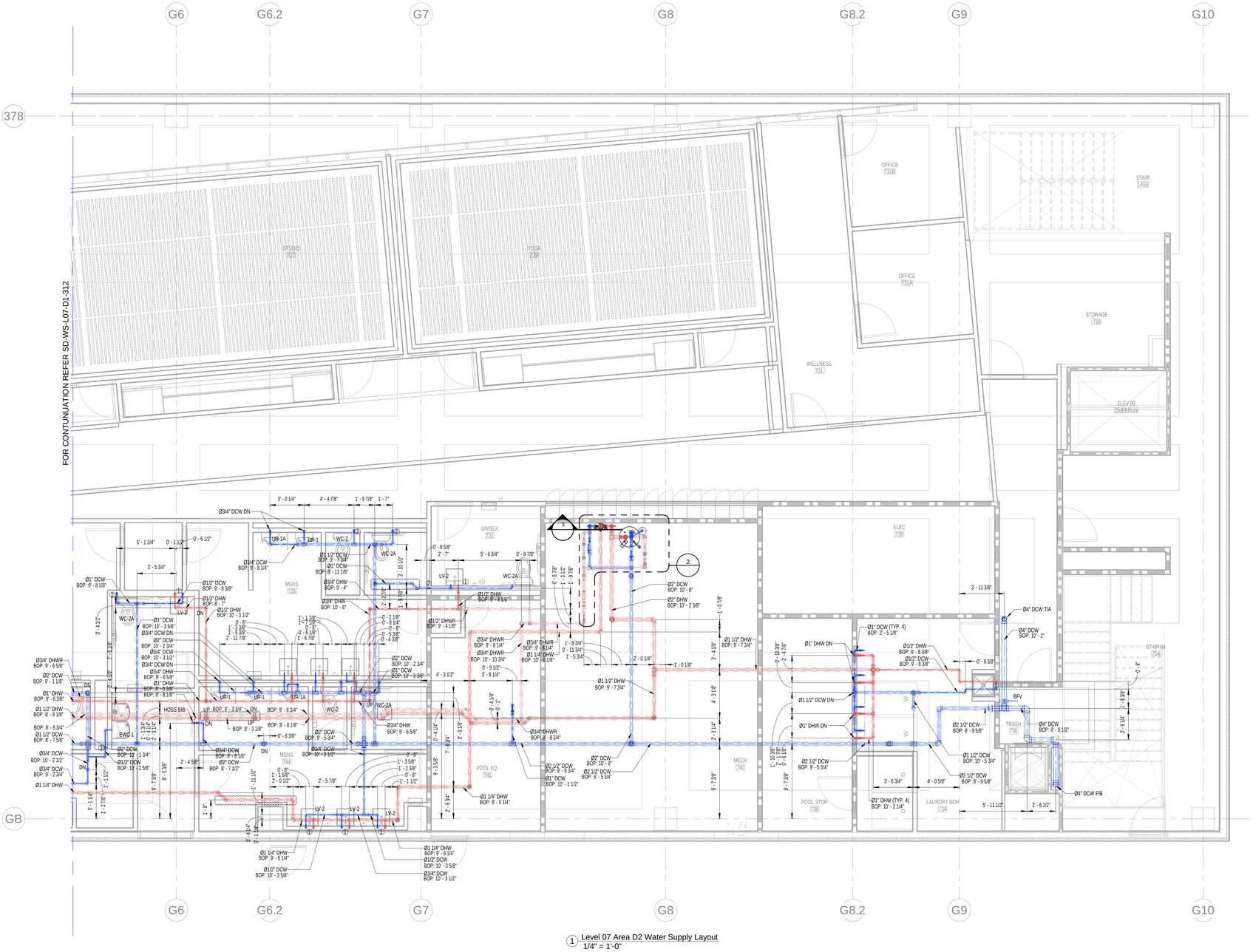
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-11-2021
R1	SHOP DRAWING	06-28-2022

DRAWING TITLE
Level 07 Area D1 Water Supply Layout

DRAWING NO.
SD-WS-L07-D1-312

Forum #
MMA # 19050


G6
G6.2
G7
G8
G8.2
G9
G10
378
GB
FOR CONTUNUATION REFER SD-WS-L07-D1-312
STUDIO 727
YOGA 729
OFFICE 731B
OFFICE 731A
WELLNESS 731
STAIR 1455
STORAGE 733
ELEV 09 OVERRUN
UNISEX 732
MENS 728
MENS 744
ELEC 739
MECH 740
POOL EQ. 741
POOL STOR 738
TRASH 736
LAUNDRY BOH 734
STAIR 04 754
Ø3/4" DCW DN
UR-1A
UR-1
WC-2
WC-2A
LV-2
LV-1
SH-1
SH-1A
KS-1
IM-1
WB-1
HOSS BIB
EWC-1
UP
DN
BFV
Ø1" DCW BOP: 9' - 8 1/8"
Ø1/2" DCW BOP: 9' - 8 3/8"
Ø1/2" DHW BOP: 9' - 7"
Ø1/2" DCW BOP: 10' - 3 1/2"
Ø1" DCW BOP: 10' - 3 5/8"
Ø3/4" DCW DN
Ø3/4" DHW BOP: 9' - 6 5/8"
Ø2" DCW BOP: 9' - 1 1/8"
Ø1" DHW BOP: 9' - 6 3/8"
Ø1 1/2" DHW BOP: 8' - 8 1/8"
Ø1 1/2" DCW BOP: 8' - 7 5/8"
Ø3/4" DCW BOP: 10' - 2 1/2"
Ø3/4" DCW BOP: 9' - 2 3/4"
Ø1 1/4" DHW
Ø3/4" DHW BOP: 9' - 8 1/4"
Ø3/4" DHW BOP: 9' - 8 1/4"
Ø3/4" DHW BOP: 9' - 8 1/4"
Ø3/4" DHW BOP: 9' - 8 1/4"
Ø1 1/2" DCW BOP: 9' - 5 3/4"
Ø1" DCW BOP: 10' - 1 1/2"
Ø1 1/2" DHW BOP: 9' - 7 3/4"
Ø1" DHW DN
Ø1 1/2" DCW DN
Ø1" DCW (TYP. 4) BOP: 2' - 5 1/8"
Ø1" DHW (TYP. 4) BOP: 10' - 2 1/4"
Ø4" DCW T/A
Ø4" DCW BOP: 10' - 2"
Ø4" DCW F/B
Ø2" DCW BOP: 10' - 8"
Ø2" DHW BOP: 10' - 2 3/8"
Ø1 1/4" DHW BOP: 8' - 5 1/4"
Ø1 1/4" DHW BOP: 9' - 6 1/4"
Ø1/2" DCW BOP: 10' - 3 5/8"
Ø3/4" DCW BOP: 10' - 3 1/2"
Ø1/2" DHWR BOP: 9' - 4 1/8"
Ø3/4" DHWR BOP: 9' - 8 1/4"
Ø3/4" DHWR BOP: 10' - 3 3/8"
Ø3/4" DHW BOP: 9' - 6 5/8"
Ø3/4" DCW BOP: 9' - 5 3/4"
Ø3/4" DCW BOP: 10' - 3 1/2"
Ø3/4" DCW BOP: 9' - 8 1/8"
Ø3/4" DCW BOP: 8' - 7 1/2"
Ø3/4" DCW BOP: 10' - 1 3/4"
Ø1/2" DCW BOP: 10' - 2 5/8"
Ø1/2" DHW BOP: 10' - 8"
Ø3/4" DHW BOP: 9' - 4"
Ø3/4" DHW BOP: 10' - 8"
Ø1/2" DCW BOP: 9' - 7 3/4"
Ø1/2" DHW BOP: 9' - 4 1/8"
Ø3/4" DHWR BOP: 9' - 8 1/4"
Ø3/4" DHWR BOP: 10' - 3 3/8"
Ø3/4" DHWR BOP: 10' - 3 3/8"
Ø2" DCW BOP: 10' - 2 3/4"
Ø1" DCW BOP: 9' - 8 3/8"
Ø3/4" DHW BOP: 9' - 6 5/8"
Ø3/4" DCW BOP: 9' - 8 1/4"
Ø3/4" DHW BOP: 9' - 8 1/4"
Ø1 1/4" DHW BOP: 10' - 4 1/8"
Ø1 1/4" DHW BOP: 10' - 11 3/4"
Ø1 1/4" DHW BOP: 10' - 5 3/4"
Ø1" DCW BOP: 10' - 1 1/2"
Ø1 1/4" DHW BOP: 8' - 5 1/4"
Ø1 1/4" DHW BOP: 9' - 6 1/4"
Ø1/2" DCW BOP: 10' - 3 5/8"
Ø3/4" DCW BOP: 10' - 3 1/2"
Ø1 1/2" DCW BOP: 9' - 5 3/4"
Ø1 1/2" DCW BOP: 9' - 8 5/8"
Ø1 1/2" DCW BOP: 10' - 5 3/4"
Ø2 1/2" DCW BOP: 8' - 9 5/8"
Ø2 1/2" DCW BOP: 9' - 5 3/4"
Ø2 1/2" DCW BOP: 9' - 5 3/4"
Ø2 1/2" DCW BOP: 9' - 5 3/4"
Ø2 1/2" DCW BOP: 8' - 9 5/8"
Ø2 1/2" DCW BOP: 9' - 5 3/4"
Ø2 1/2" DCW BOP: 9' - 5 3/4"
Ø2" DCW BOP: 10' - 8"
Ø2" DHW BOP: 10' - 2 3/8"
Ø2" DCW BOP: 10' - 2 3/4"
Ø2" DCW BOP: 10' - 3 3/8"
Ø2" DCW BOP: 10' - 3 3/8"
Ø2" DCW BOP: 10' - 3 1/2"
Ø2" DCW BOP: 10' - 3 1/2"
Ø2" DCW BOP: 10' - 3 1/2



1 Level 07 Area D Natural Gas Layout
1/8" = 1'-0"

PLUMBING KEY NOTE	
1	Ø1/2" NG DN
2	Ø3/4" NG DN
3	Ø1" NG DN

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS
EC	END CAP

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 07(78'-8").

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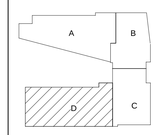
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	10-11-2021
R1	SHOP DRAWING	06-28-2022

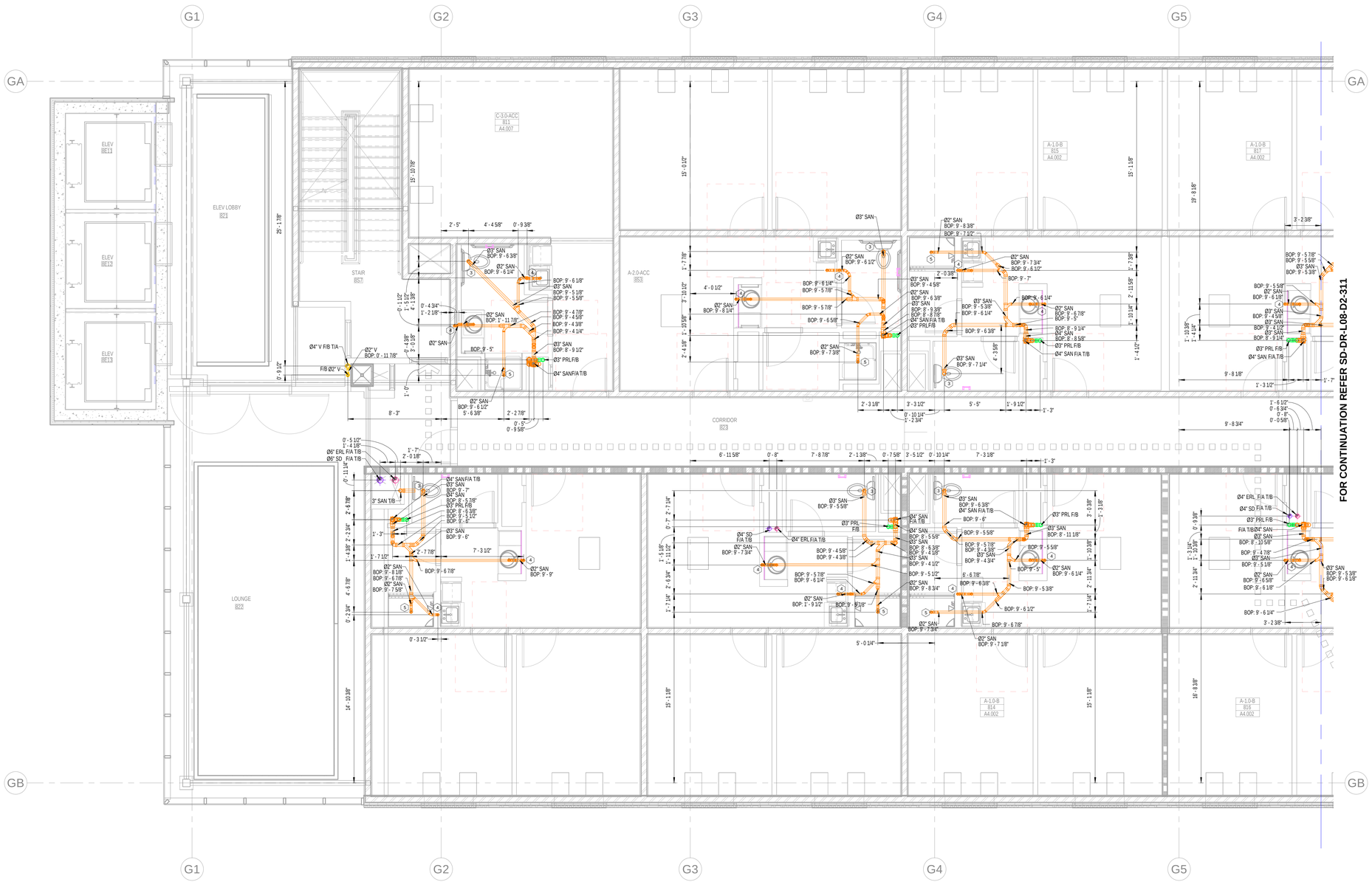
DRAWING TITLE

Level 07 Area D Natural Gas Layout

DRAWING NO.

SD-NG-L07-D-313

Forum #		MMA #	19050



1 Level 08 Area D1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 08 (94'-8").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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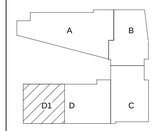
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	04-05-2022

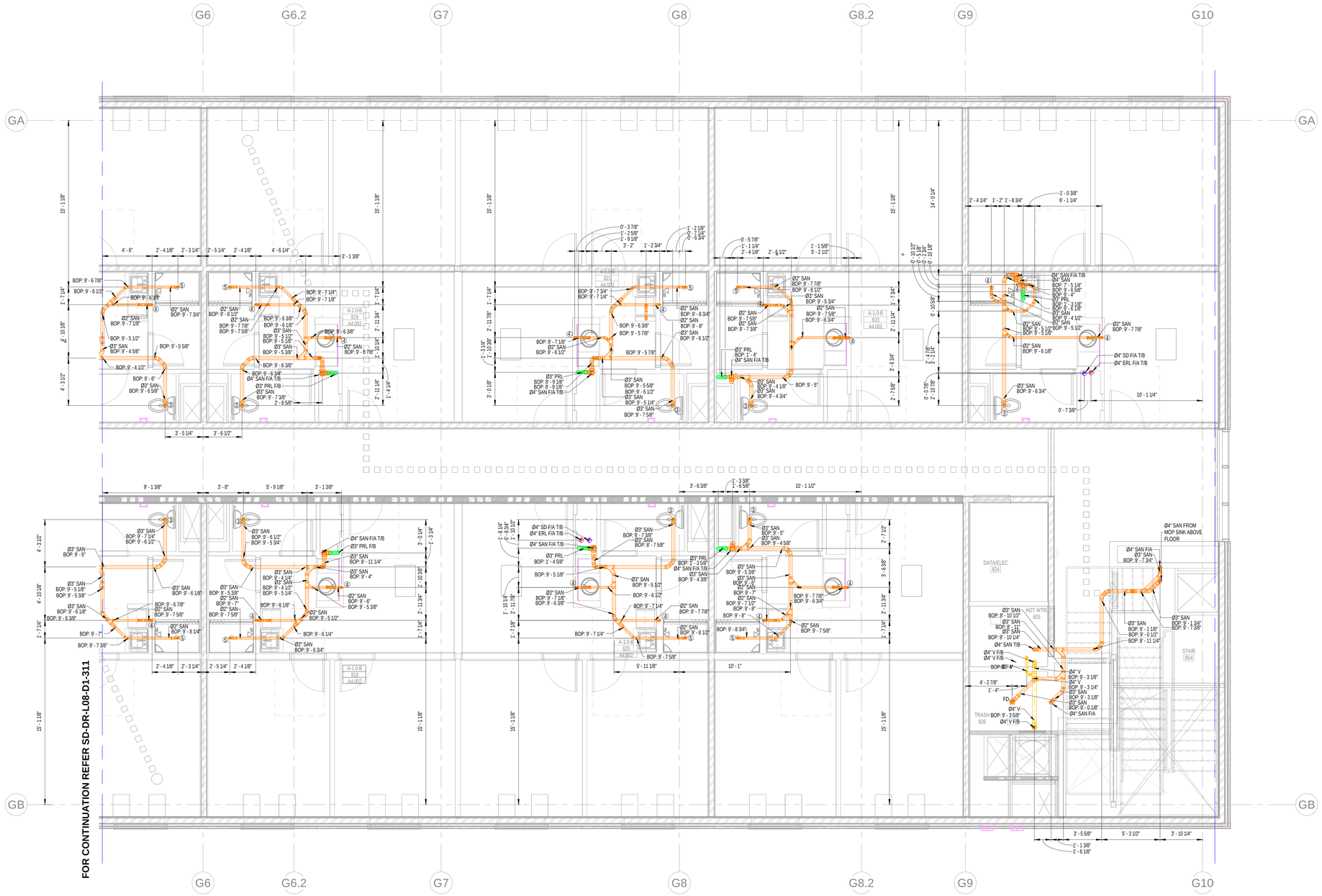
DRAWING TITLE

Level 08 Area D1 Drainage Layout

DRAWING NO.

SD-DR-L08-D1-311

Forum #		MMA #	19050



1 Level 08 Area D2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 08 (94'-8").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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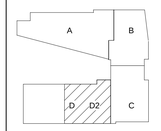
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	04-05-2022

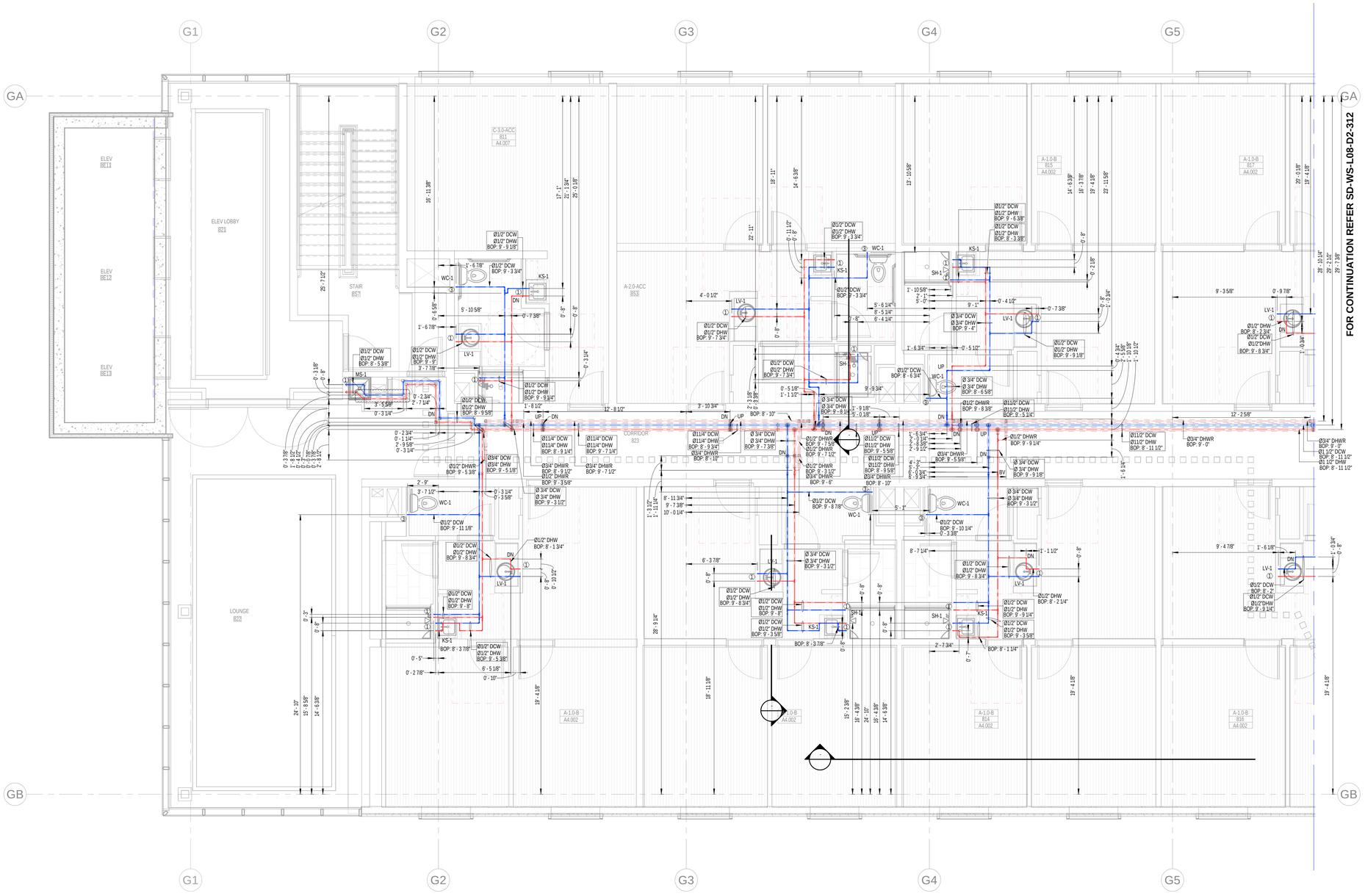
DRAWING TITLE

Level 08 Area D2 Drainage Layout

DRAWING NO.

SD-DR-L08-D2-311

Forum #		MMA #	19050



1 Level 08 Area D1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from South LEVEL 08 (94'-8").
2.The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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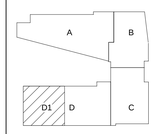
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

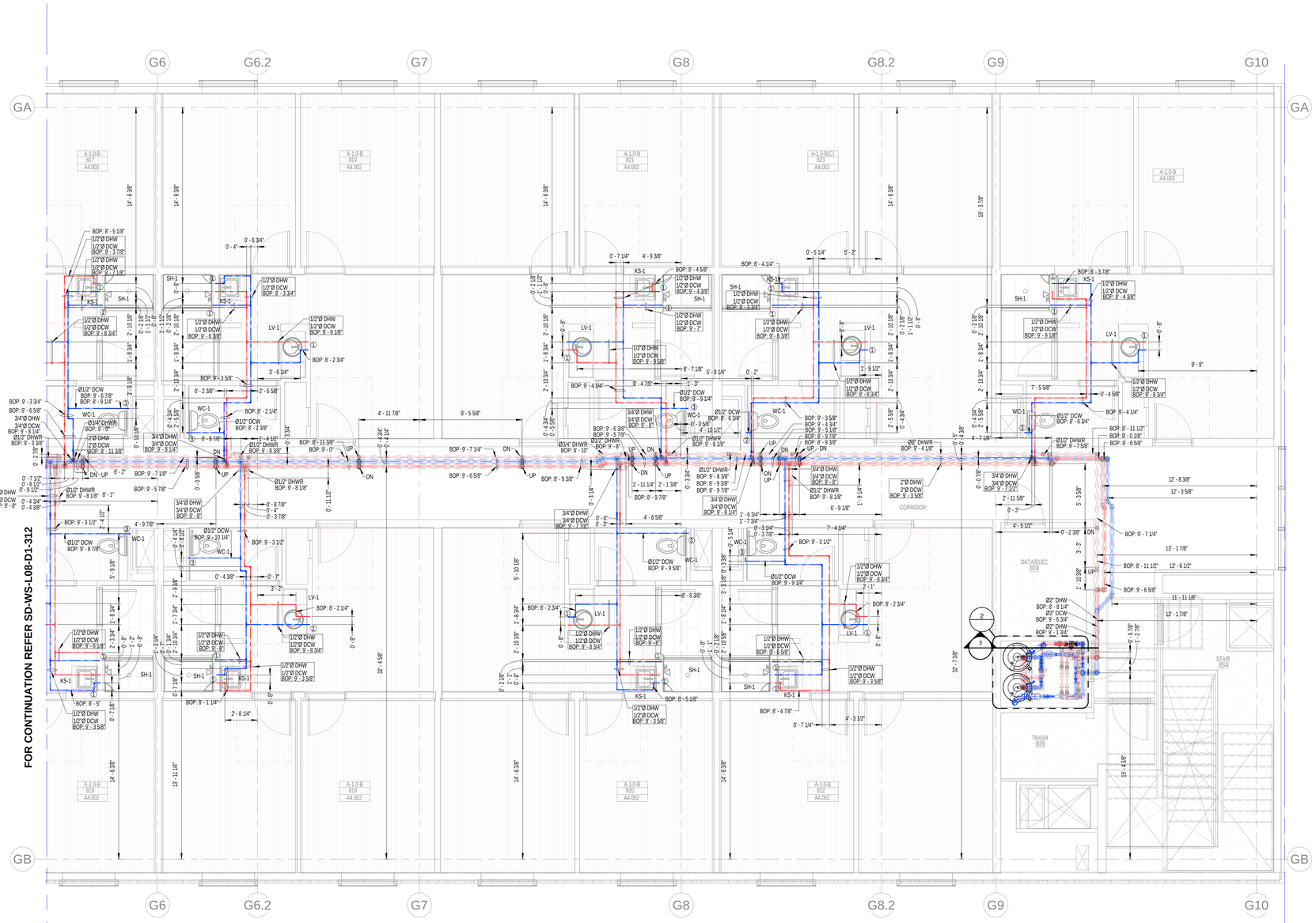
REV	DESCRIPTION	DATE
R0	SHOP DRAWING	04-05-2022

DRAWING TITLE
Level 08 Area D1 Water Supply Layout

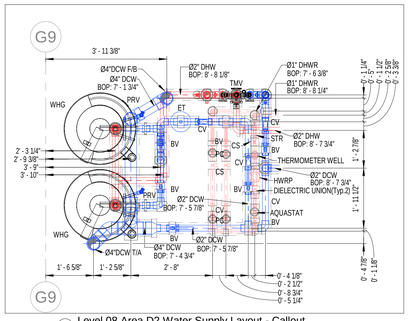
DRAWING NO.
SD-WS-L08-D1-312

Forum # | MMA # 19050

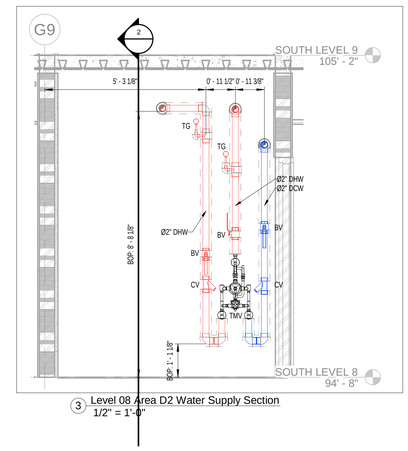
FOR CONTINUATION REFER SD-WS-L08-D1-312



1 Level 08 Area D2 Water Supply Layout
1/4" = 1'-0"



2 Level 08 Area D2 Water Supply Layout - Callout
1/2" = 1'-0"



3 Level 08 Area D2 Water Supply Section
1/2" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 08 (94'-8").
2. The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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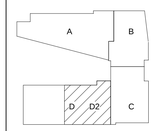
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	04-05-2022

DRAWING TITLE
Level 08 Area D2 Water Supply Layout

DRAWING NO.
SD-WS-L08-D2-312

Forum #		MMA #	19050



1 Level 08 Area D Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:

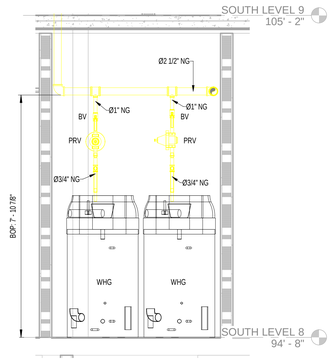
1.The BOP is measured from SOUTH LEVEL 08(94'-8").

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
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8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS
EC	END CAP



2 Level 08 Area D Natural Gas Section
1/2" = 1'-0"

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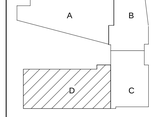
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

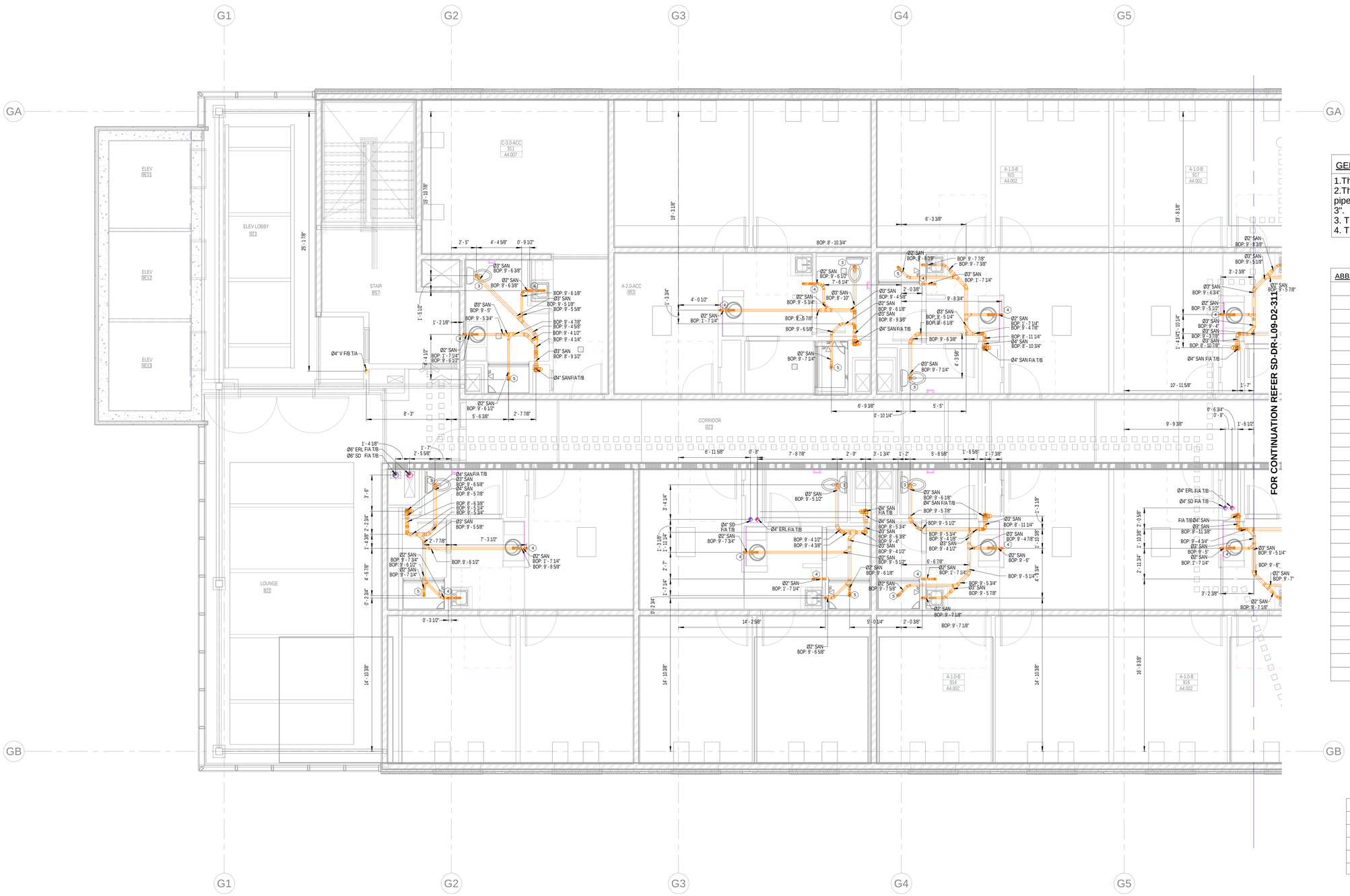
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	03-22-2022

DRAWING TITLE
Level 08 Area D Natural Gas Layout

DRAWING NO.
SD-NG-L08-D-313

Forum #		MMA #	19050



1 Level 09 Area D1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 09 (105'-2").
2.The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

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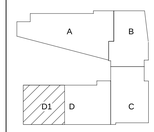
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

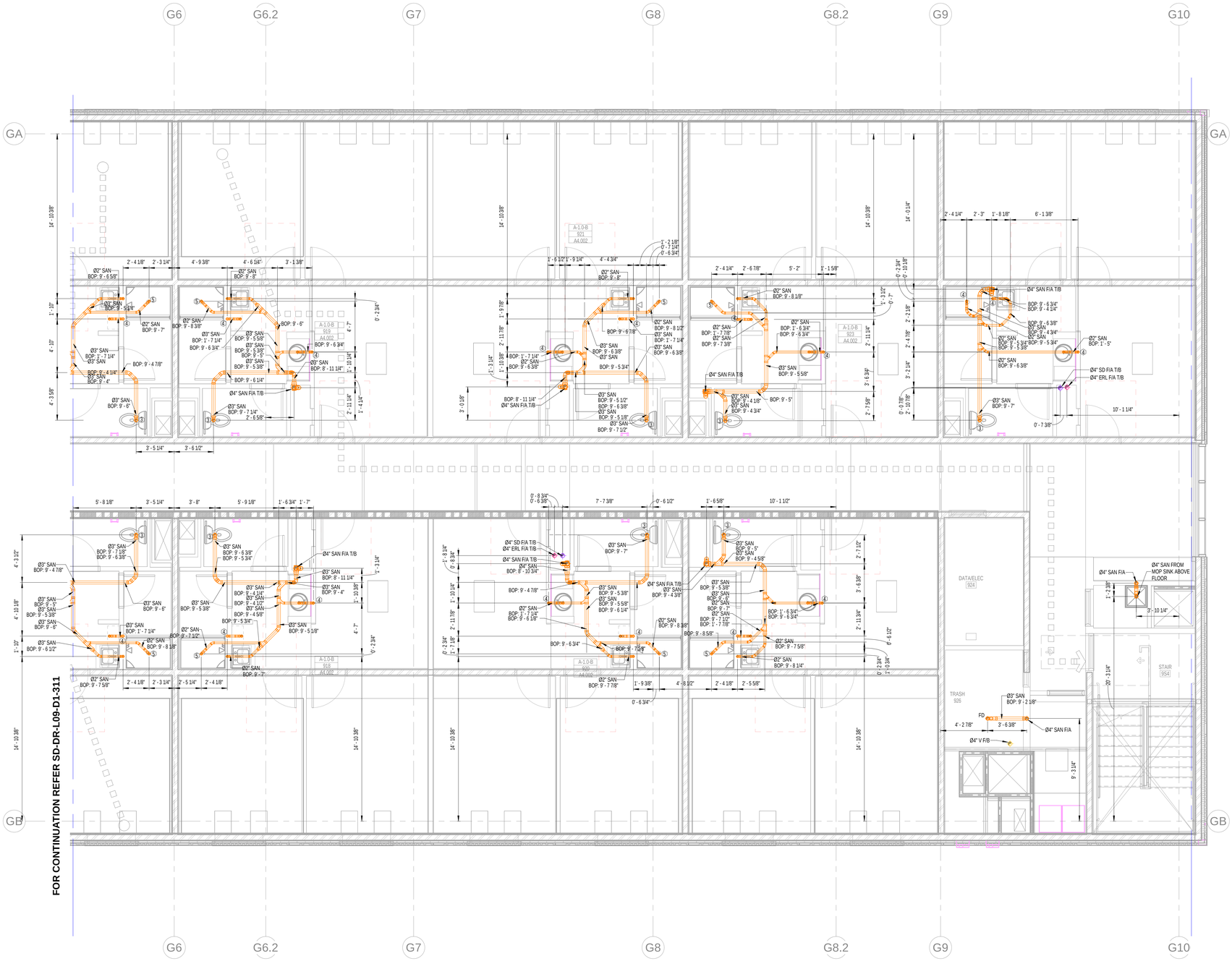
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	04-04-2022

DRAWING TITLE
Level 09 Area D1 Drainage Layout

DRAWING NO.
SD-DR-L09-D1-311

Forum #		MMA #	19050



1 Level 09 Area D2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 09 (105'-2").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

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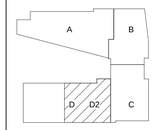
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KEY PLAN:



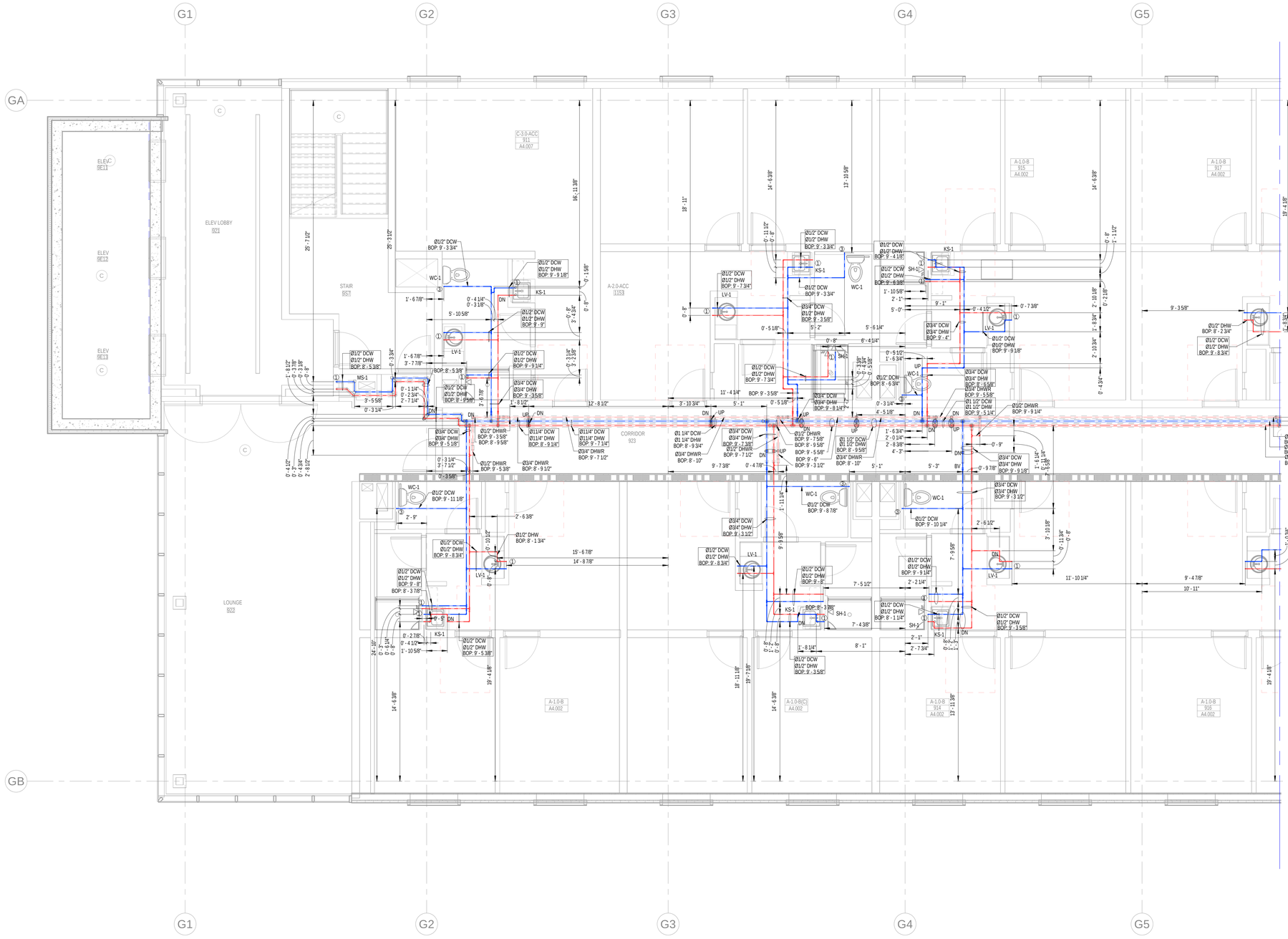
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	04-04-2022

DRAWING TITLE
Level 09 Area D2 Drainage Layout

DRAWING NO.
SD-DR-L09-D2-312

Forum #		MMA #	19050



1 Level 09 Area D1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 09 (105'-2").
2. The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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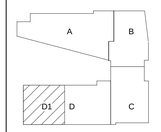
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

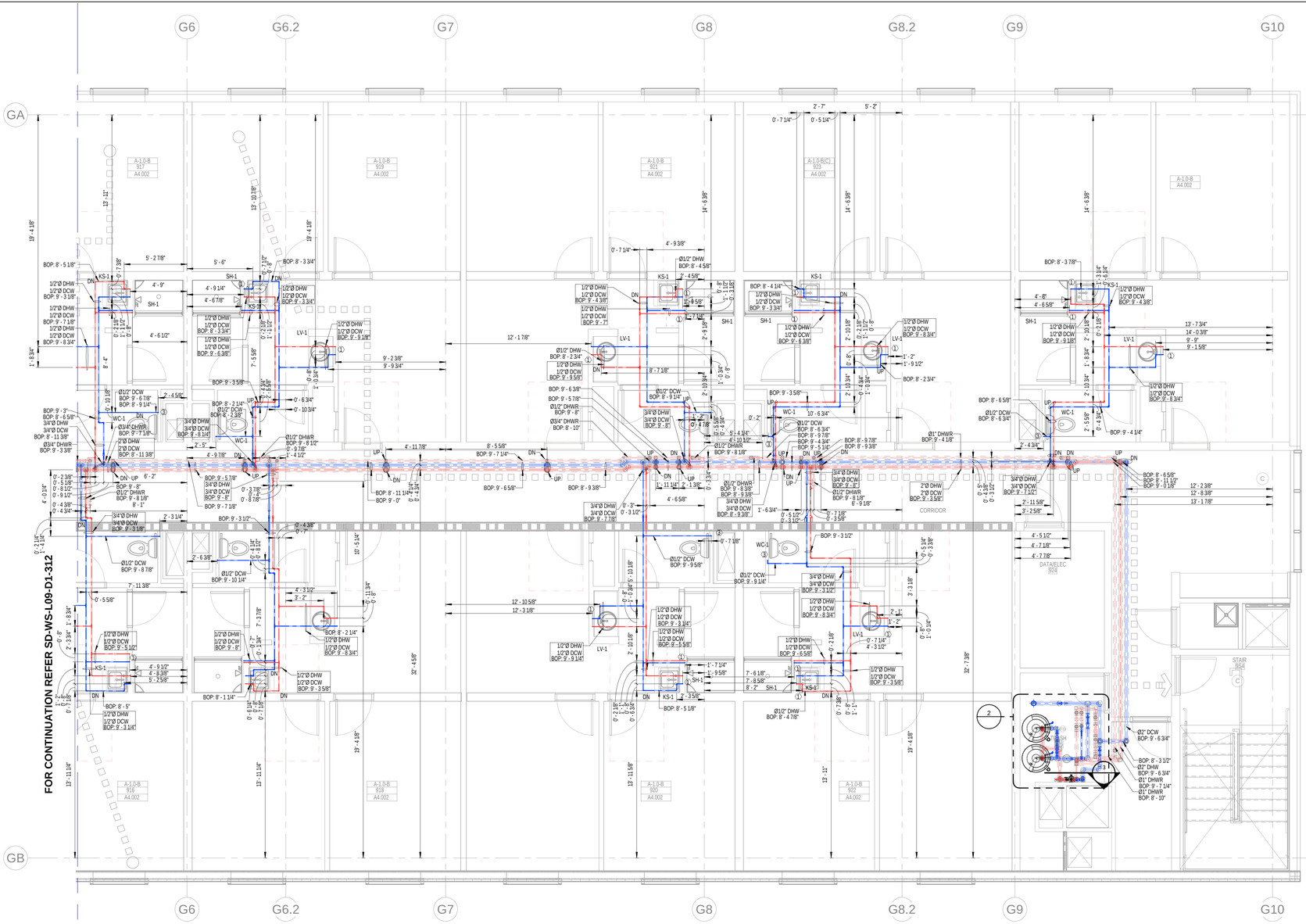
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-11-2022

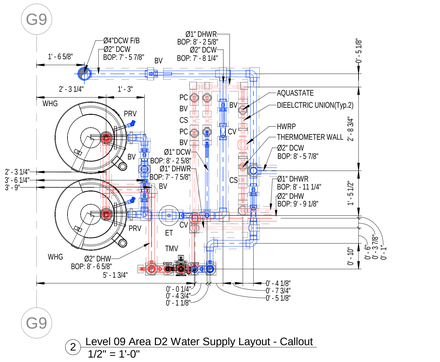
DRAWING TITLE
Level 09 Area D1 Water Supply Layout

DRAWING NO.
SD-WS-L09-D1-312

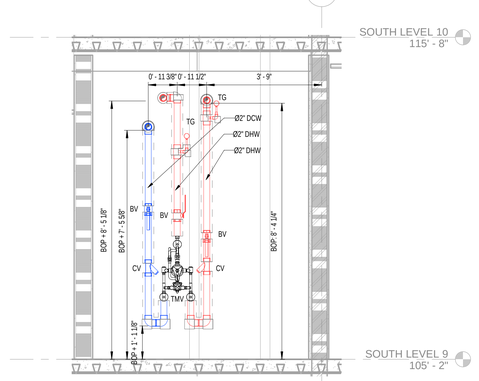
Forum #
MMA # 19050



1 Level 09 Area D2 Water Supply Layout
1/4" = 1'-0"



2 Level 09 Area D2 Water Supply Section - Callout
1/2" = 1'-0"



3 Level 09 Area D2 Water Supply Section
1/2" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 09 (105'-2").
2. The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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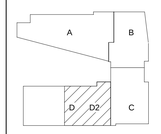
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KEY PLAN:



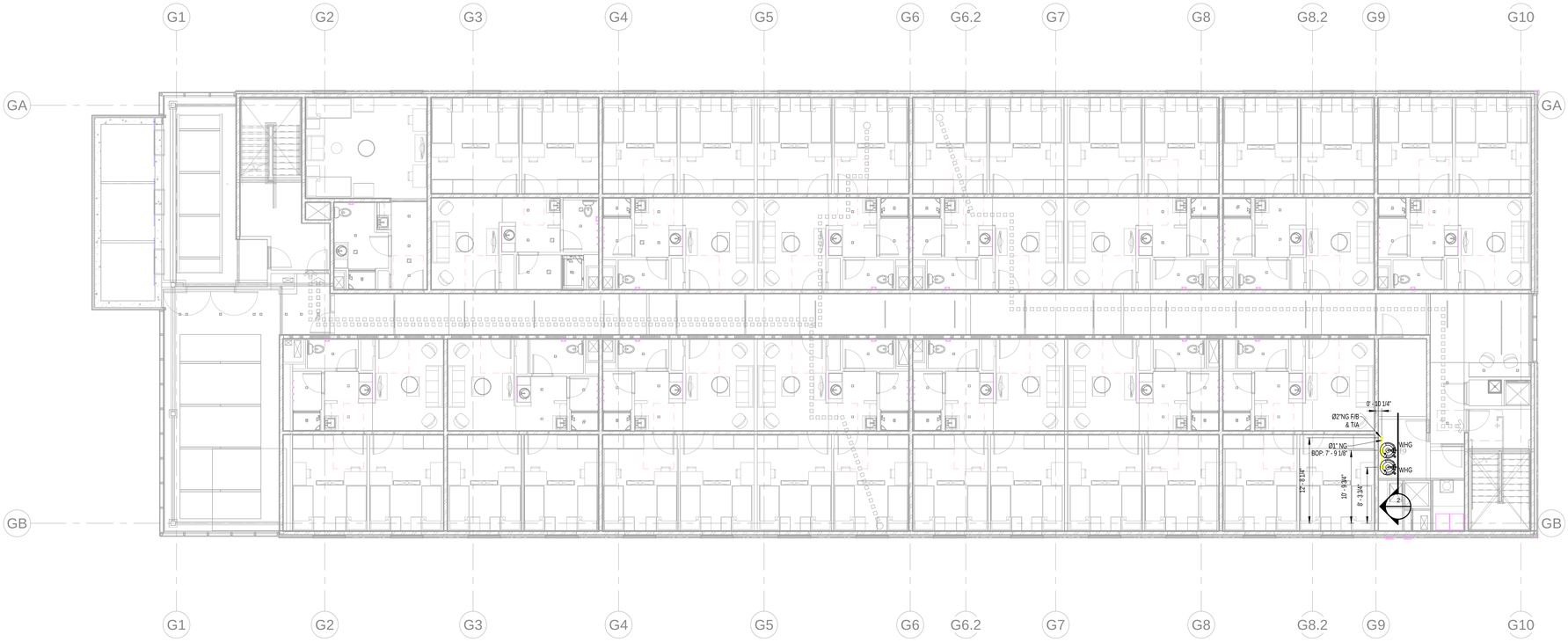
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-11-2022

DRAWING TITLE
Level 09 Area D2 Water Supply Layout

DRAWING NO.
SD-WS-L09-D2-312

Forum # | MMA # 19050

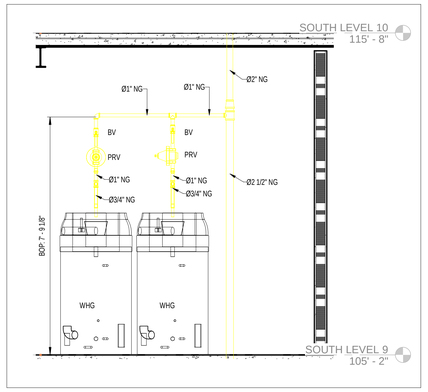


1 Level 09 Area D Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from LEVEL 09(90'06").

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS
EC	END CAP



2 Level 09 Area D Natural Gas Section
1/2" = 1'-0"

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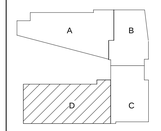
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	04-29-2022

DRAWING TITLE

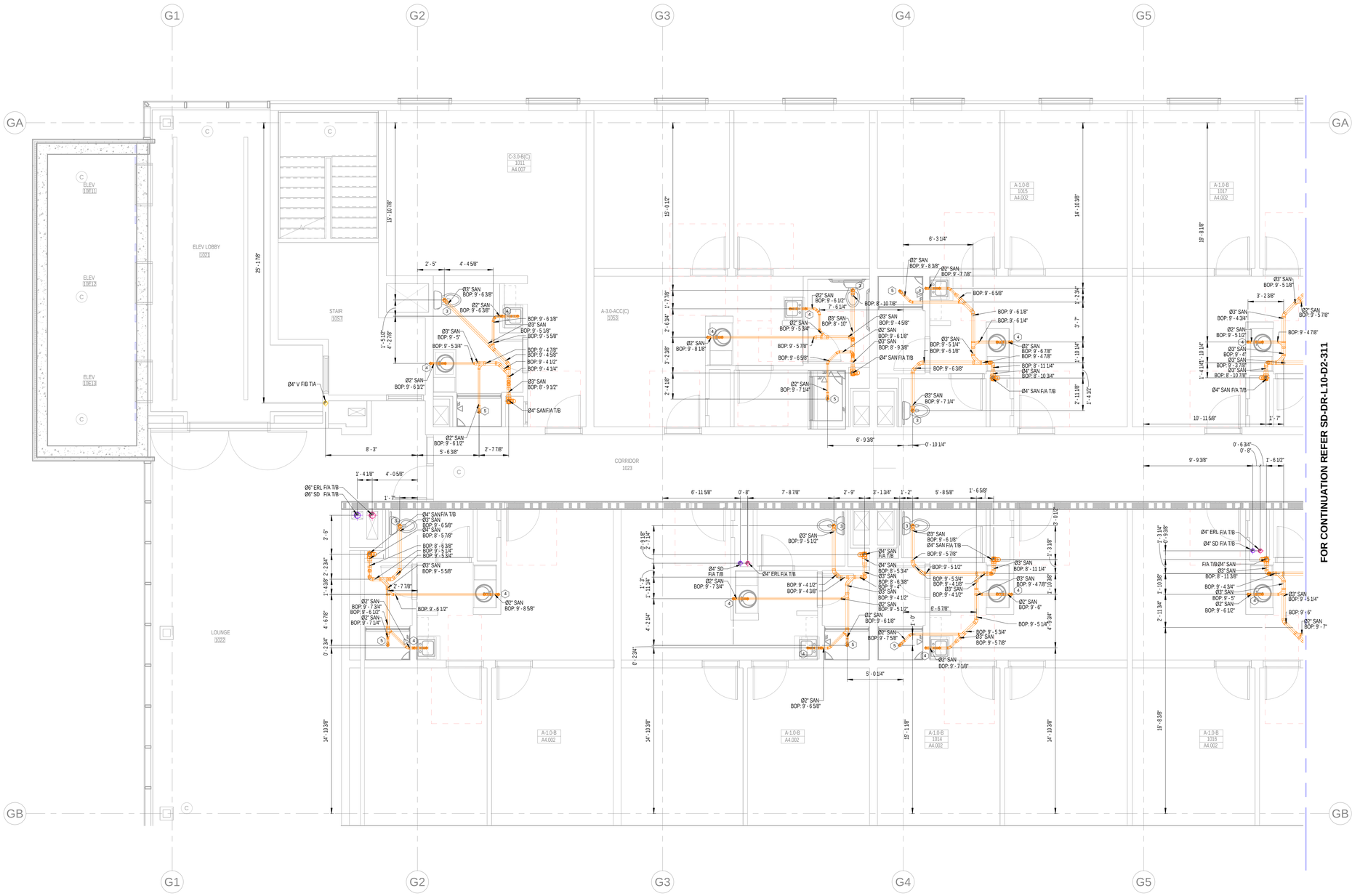
Level 09 Area D Natural Gas Layout

DRAWING NO.

SD-NG-L09-D-313

Forum #

MMA # 19050



1 Level 10 Area D1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 10 (115'-8").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

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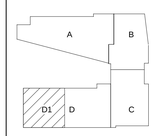
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-25-2022

DRAWING TITLE

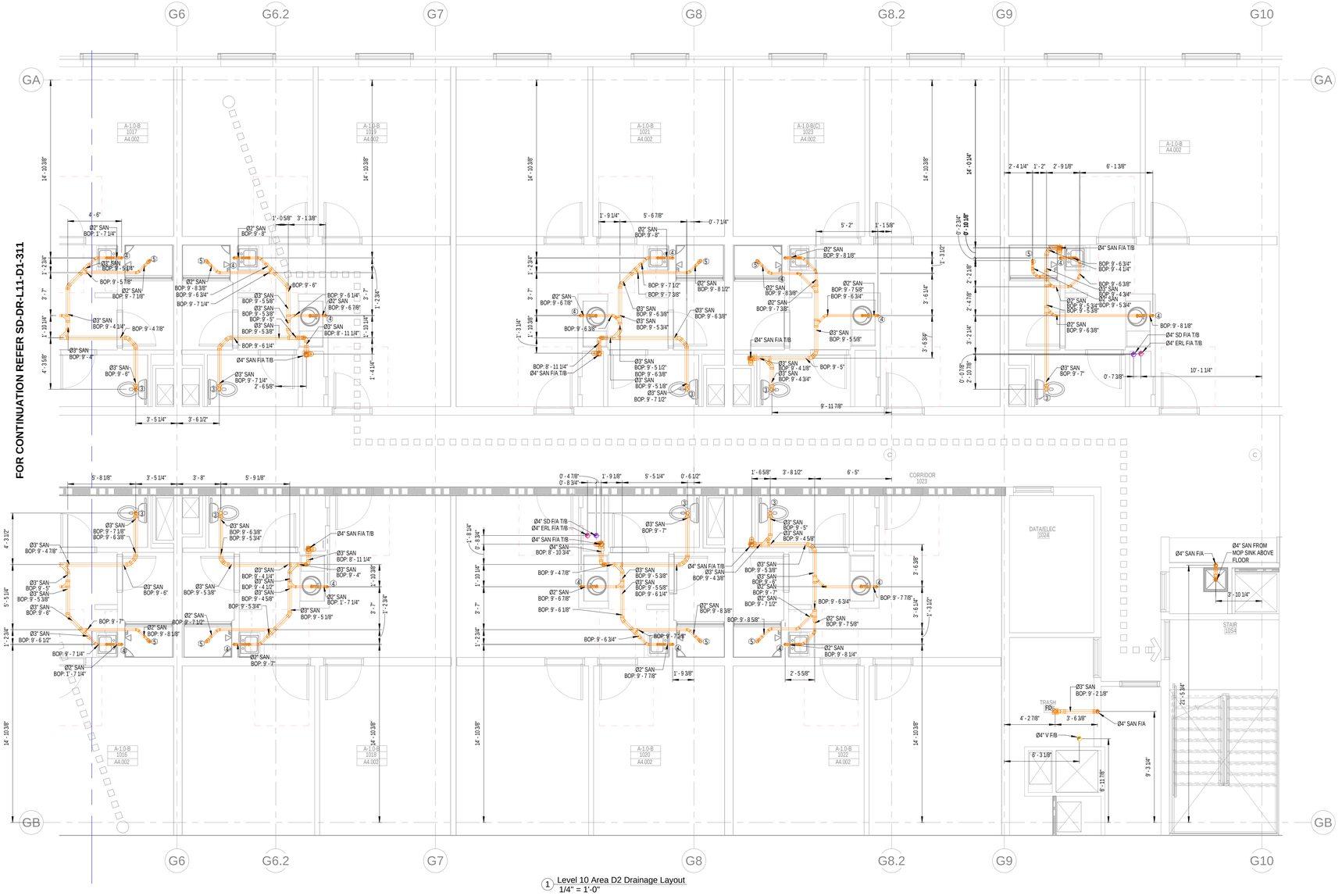
Level 10 Area D1 Drainage Layout

DRAWING NO.

SD-DR-L10-D1-311

Forum #		MMA #	19050

FOR CONTINUATION REFER SD-DR-L11-D1-311



1 Level 10 Area D2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 10 (115'-8").
2.The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

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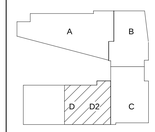
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KEY PLAN:



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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-25-2022

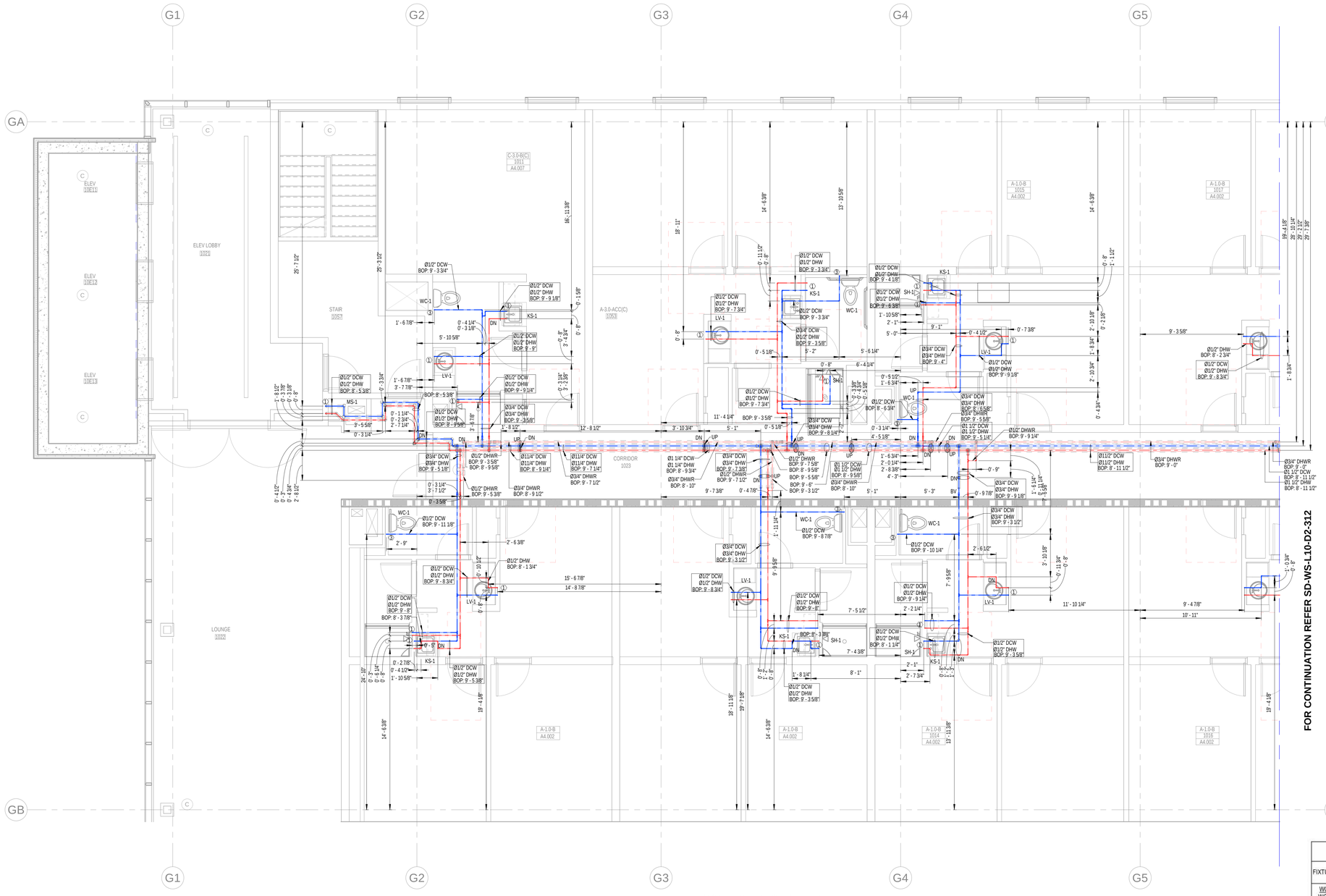
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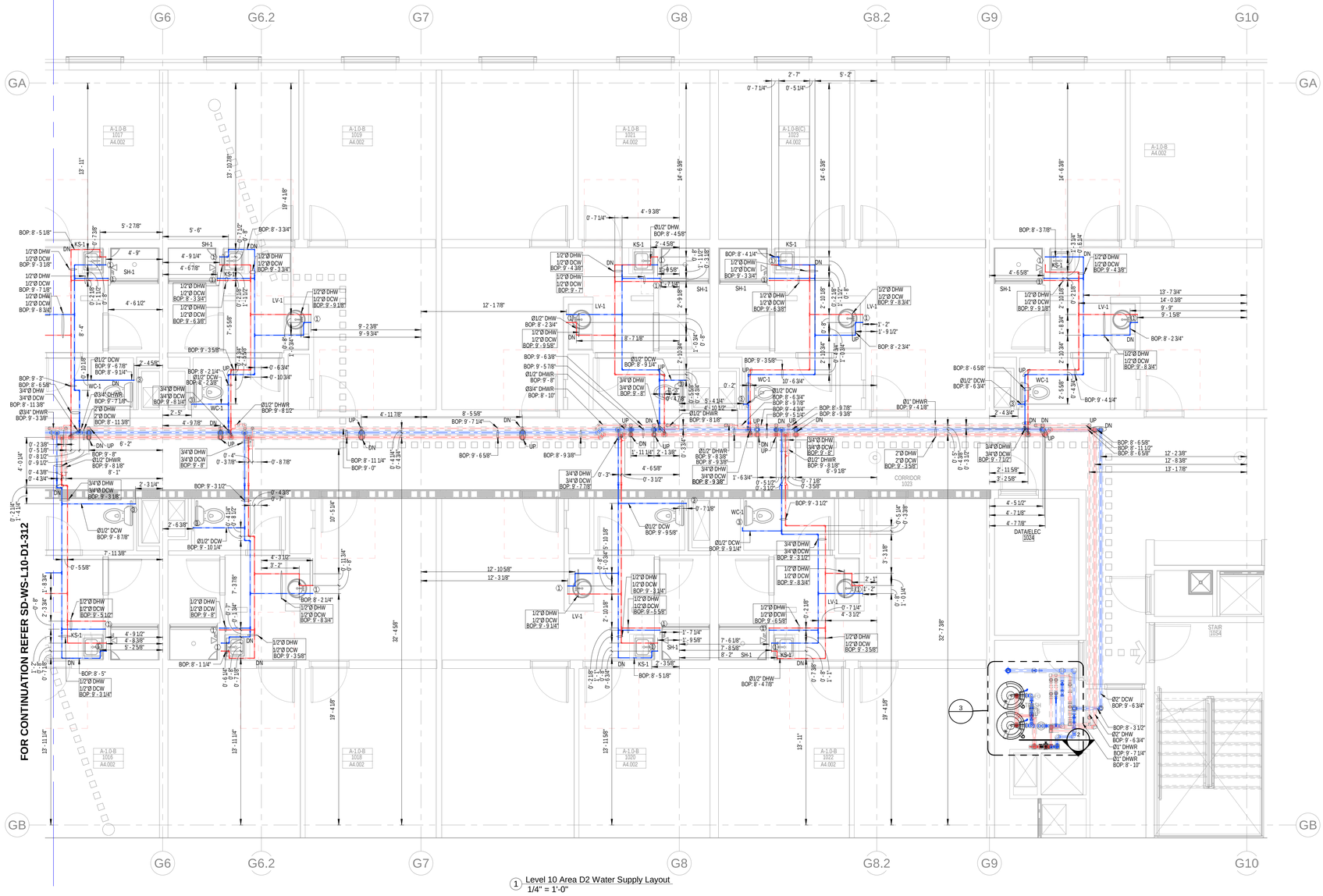
Level 10 Area D2 Drainage Layout

DRAWING NO.

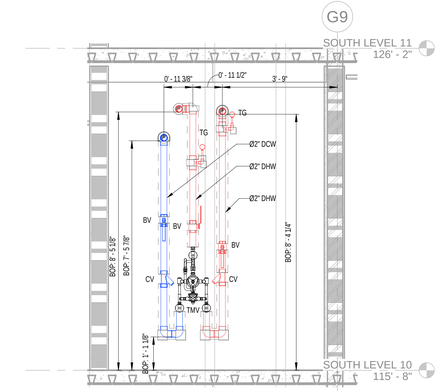
SD-DR-L10-D2-311

Forum #		MMA #	19050

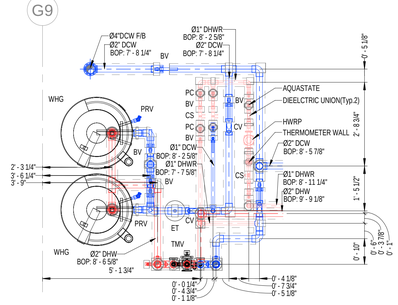

G1
G2
G3
G4
G5
GA
GB
ELEV 10E11
ELEV 10E12
ELEV 10E13
ELEV LOBBY 1021
STAIR 1057
CORRIDOR 1023
LOUNGE 1022
A-3.0-ACC(C) 1053
C-3.0-B(C) 1011 A4.007
A-1.0-B 1015 A4.002
A-1.0-B 1017 A4.002
A-1.0-B 1014 A4.002
A-1.0-B 1016 A4.002
A-1.0-B A4.002
WC-1
LV-1
KS-1
SH-1
MS-1
DN
UP
BV
Ø1/2" DCW
Ø1/2" DHW
Ø3/4" DCW
Ø3/4" DHW
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Ø1/2" DCW BOP: 9' - 3 3/4"
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Ø1/2" DCW Ø1/2" DHW BOP: 9' - 3 5/8"
Ø1/2" DCW Ø1/2" DHW BOP: 9' - 5 3/8



1 Level 10 Area D2 Water Supply Layout
1/4" = 1'-0"



2 Level 10 Area D2 Water Supply Section
1/2" = 1'-0"



3 Level 10 Area D2 Water Supply Layout - Callout
1/2" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 10 (115'-8").
2. The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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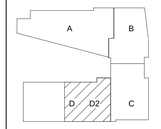
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KEY PLAN:



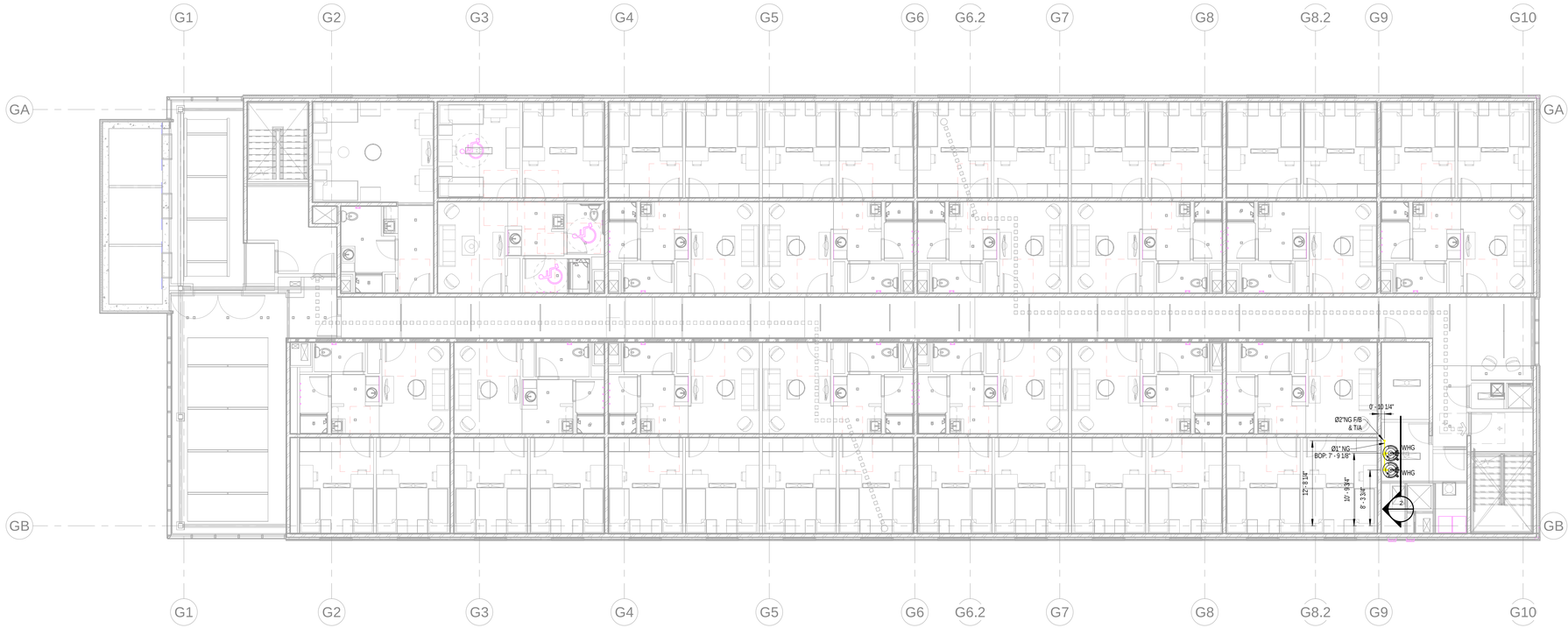
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-11-2022

DRAWING TITLE
Level 10 Area D2 Water Supply Layout

DRAWING NO.
SD-WS-L10-D2-312

Forum # | MMA # 19050

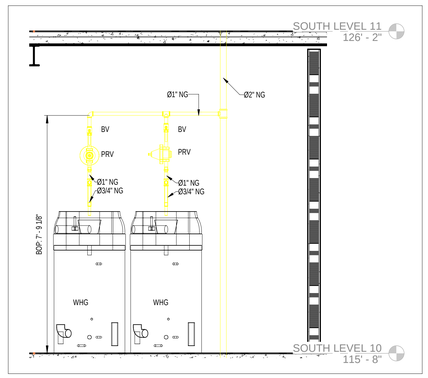


1 Level 10 Area D Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 10(115'-8").

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS
EC	END CAP



2 Level 10 Area D Natural Gas Section
1/2" = 1'-0"

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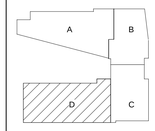
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	04-29-2022

DRAWING TITLE

Level 10 Area D Natural Gas Layout

DRAWING NO.

SD-NG-L10-D-313

Forum #		MMA #	19050



1 Level 11 Area D1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 11 (126'-2").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

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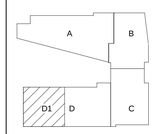
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST, ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-25-2022

DRAWING TITLE

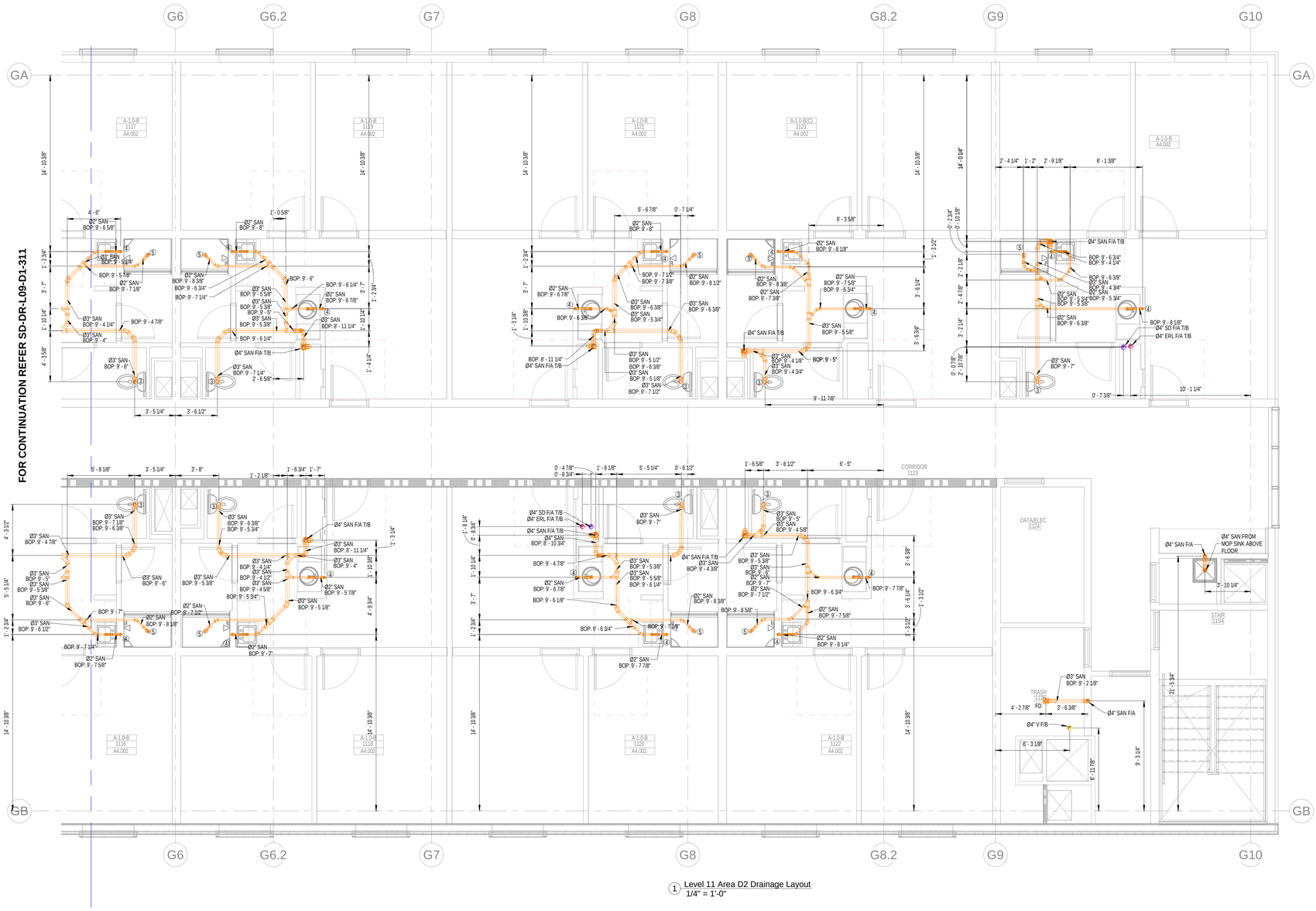
Level 11 Area D1 Drainage Layout

DRAWING NO.

SD-DR-L11-D1-311

Forum #		MMA #	19050

FOR CONTINUATION REFER SD-DR-L09-D1-311



1 Level 11 Area D2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 11 (126'-2").
2.The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

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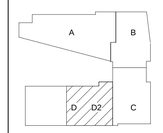
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-25-2022

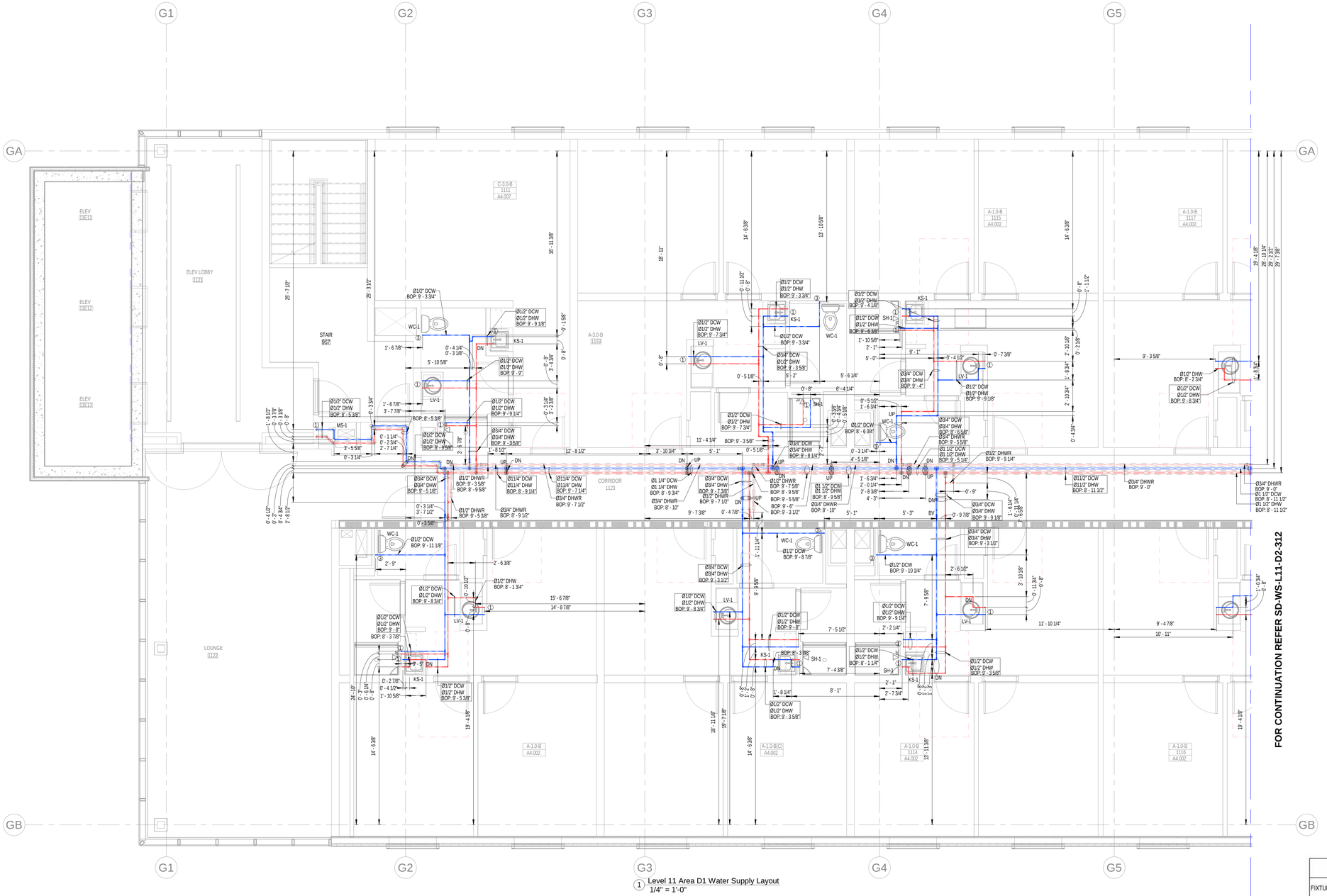
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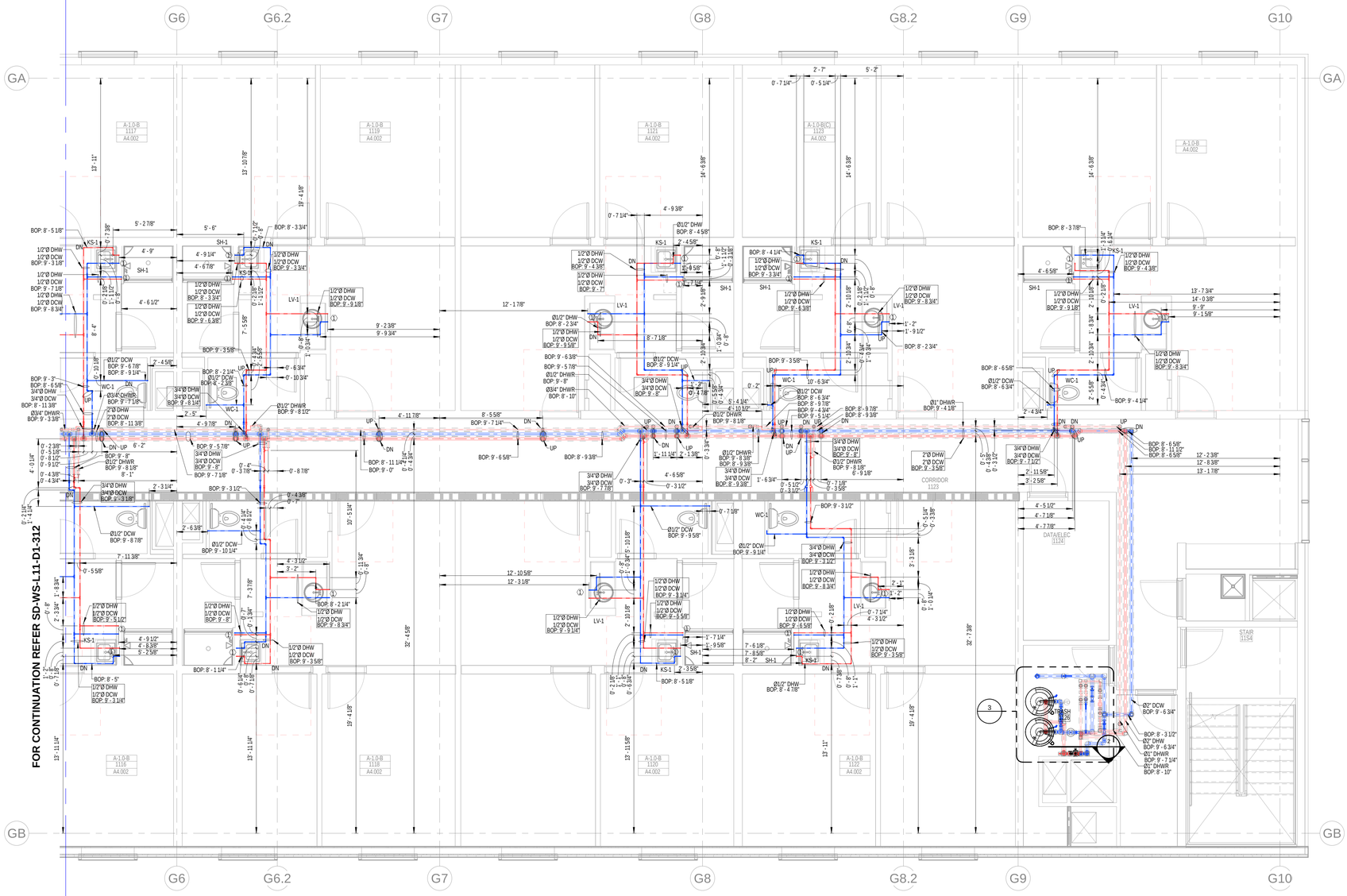
Level 11 Area D2 Drainage Layout

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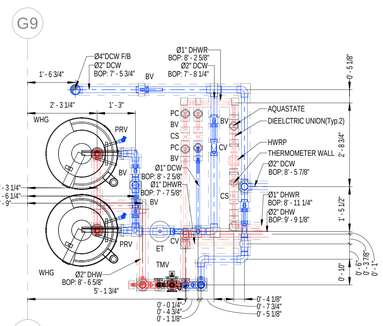
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Forum #		MMA #	19050

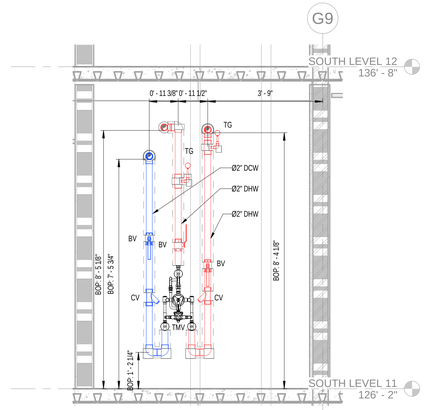

G1
G2
G3
G4
G5
GA
GB
ELEV 11E11
ELEV 11E12
ELEV 11E13
ELEV LOBBY 1121
STAIR 9ST
LOUNGE 1122
CORRIDOR 1123
C-3.0-B 1111 A4.007
A-3.0-B 1153
A-1.0-B 1115 A4.002
A-1.0-B 1117 A4.002
A-1.0-B A4.002
A-1.0-B(C) A4.002
A-1.0-B 1114 A4.002
A-1.0-B 1116 A4.002
WC-1
KS-1
LV-1
SH-1
MS-1
IM-1
BV
DN
UP
Ø1/2" DCW
Ø1/2" DHW
Ø3/4" DCW
Ø3/4" DHW
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BOP: 9' - 3 1/2"
BOP: 9' - 3 5/8"
BOP: 8' - 8"
BOP: 8' - 9 1/4"
BOP: 9' - 3 5/8"
BOP: 9' - 3 5/8"
BOP: 9' - 3 5/8



1 Level 11 Area D2 Water Supply Layout
1/4" = 1'-0"



3 Level 11 Area D2 Water Supply Layout - Callout
1/2" = 1'-0"



2 Level 11 Area D2 Water Supply Section
1/2" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 11 (126' 2").
2. The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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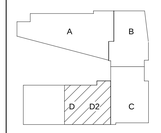
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-11-2022

DRAWING TITLE
Level 11 Area D2 Water Supply Layout

DRAWING NO.
SD-WS-L11-D2-312

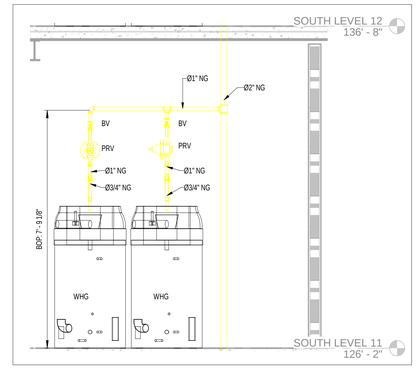
Forum # | MMA # 19050



1 Level 11 Area D Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:
1.The BOP is measured from SOUTH LEVEL 11(126'-2").

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS
EC	END CAP



2 Level 11 Area D Natural Gas Section
1/2" = 1'-0"

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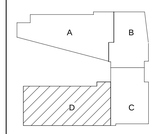
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	04-29-2022

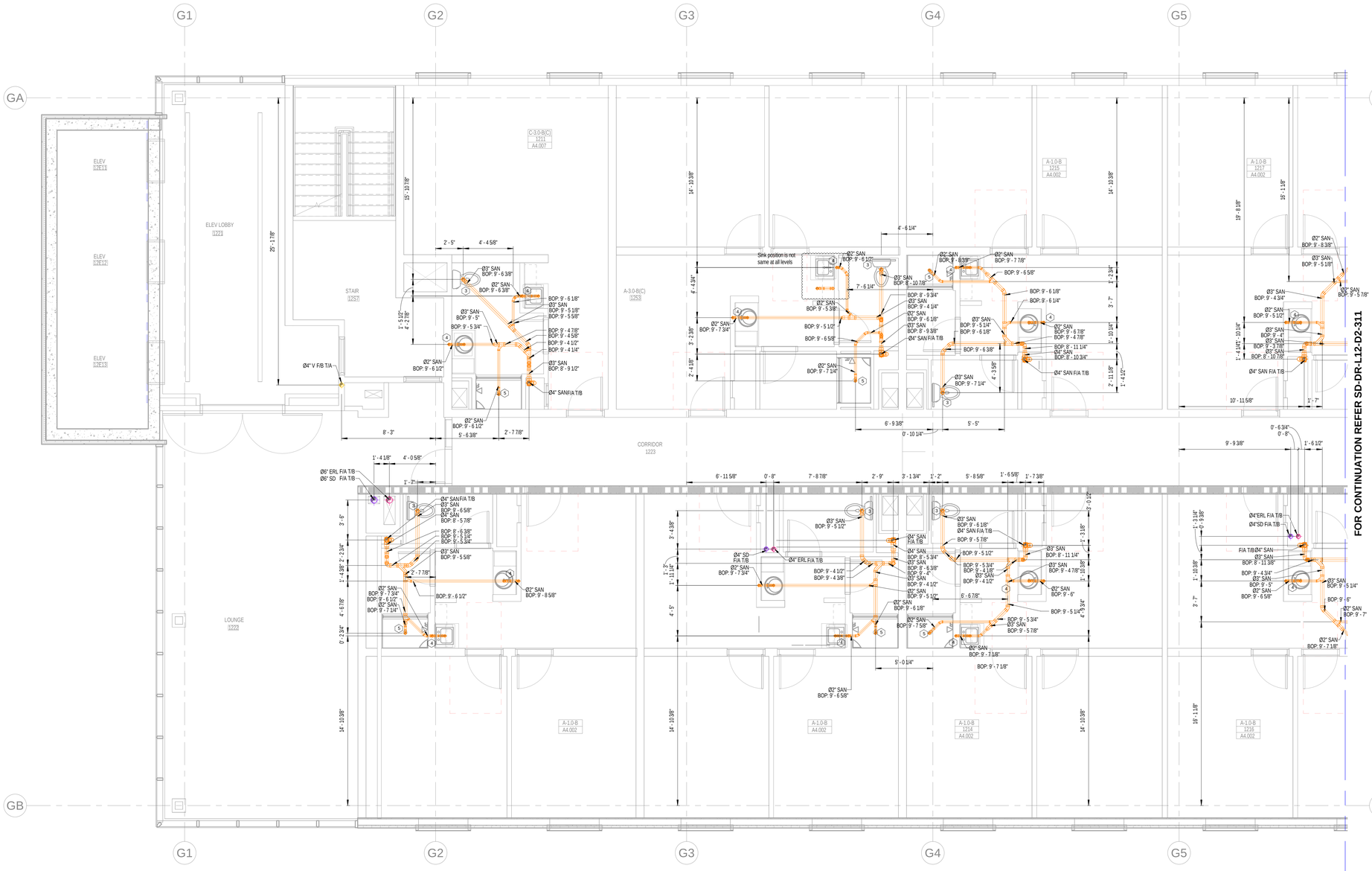
DRAWING TITLE

Level 11 Area D Natural Gas Layout

DRAWING NO.

SD-NG-L11-D-313

Forum #		MMA #	19050



FOR CONTINUATION REFER SD-DR-L12-D2-311

1 Level 12 Area D1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 12 (136'-8").
2. The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

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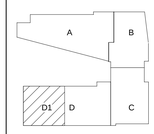
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-25-2022

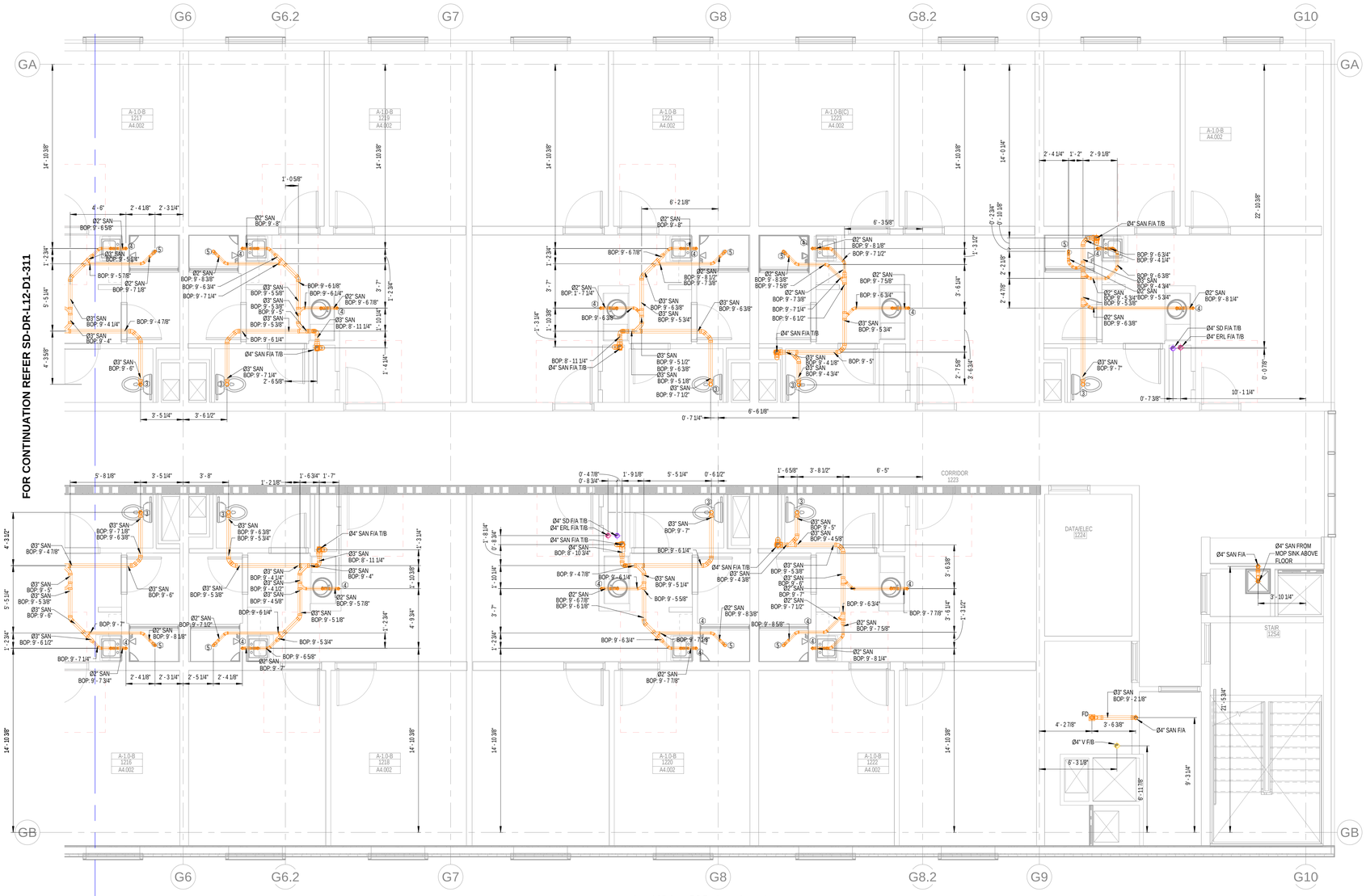
DRAWING TITLE

Level 12 Area D1 Drainage Layout

DRAWING NO.

SD-DR-L12-D1-311

Forum #		MMA #	19050



1 Level 12 Area D2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 12 (136' 8").
2. The insulation for all pipe sizes is 1".

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

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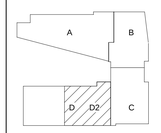
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-25-2022

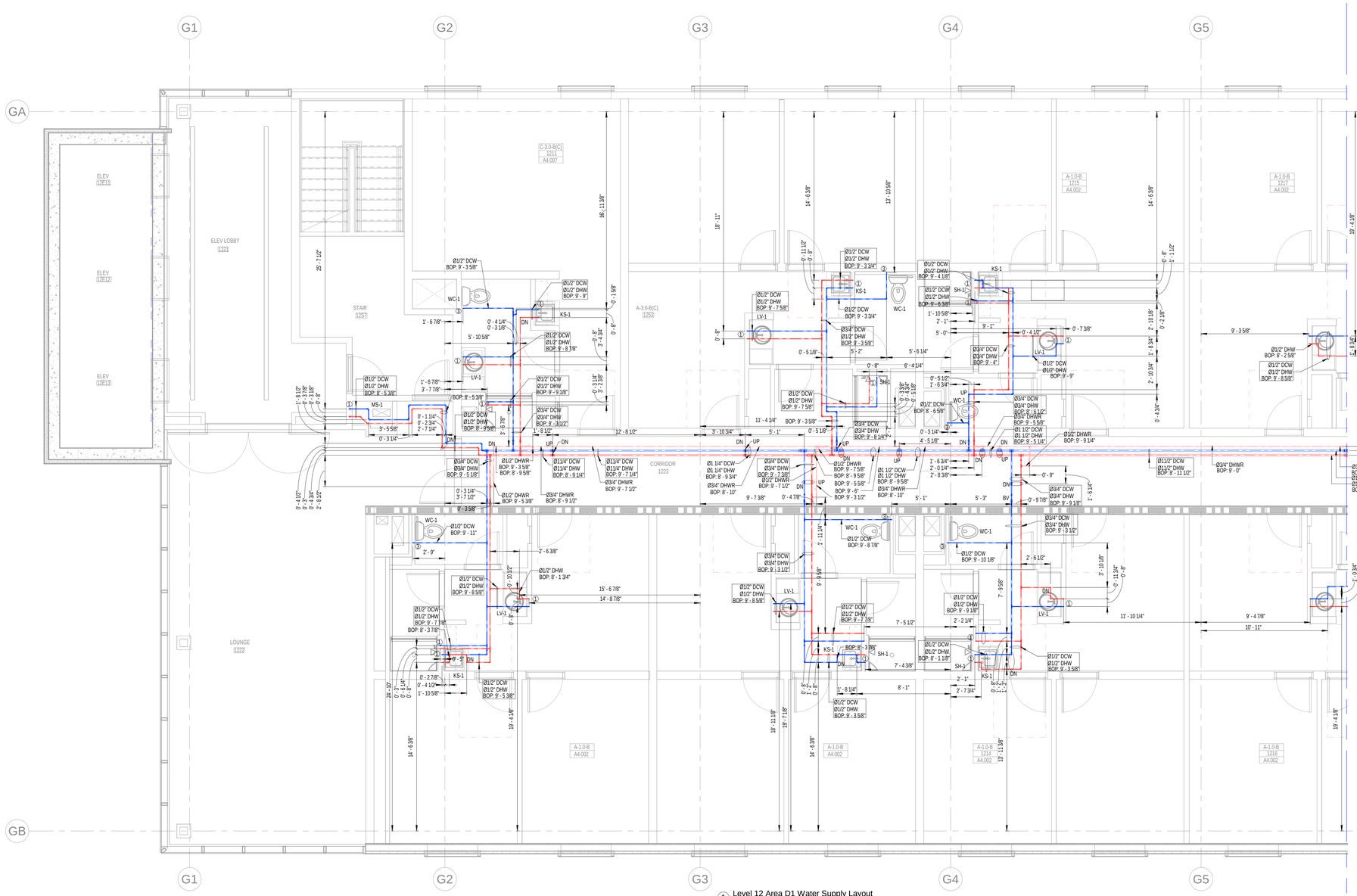
DRAWING TITLE

Level 12 Area D2 Drainage Layout

DRAWING NO.

SD-DR-L12-D2-311

Forum #		MMA #	19050



1 Level 12 Area D1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 12 (136' 8").
2. The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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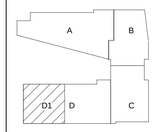
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KEY PLAN:



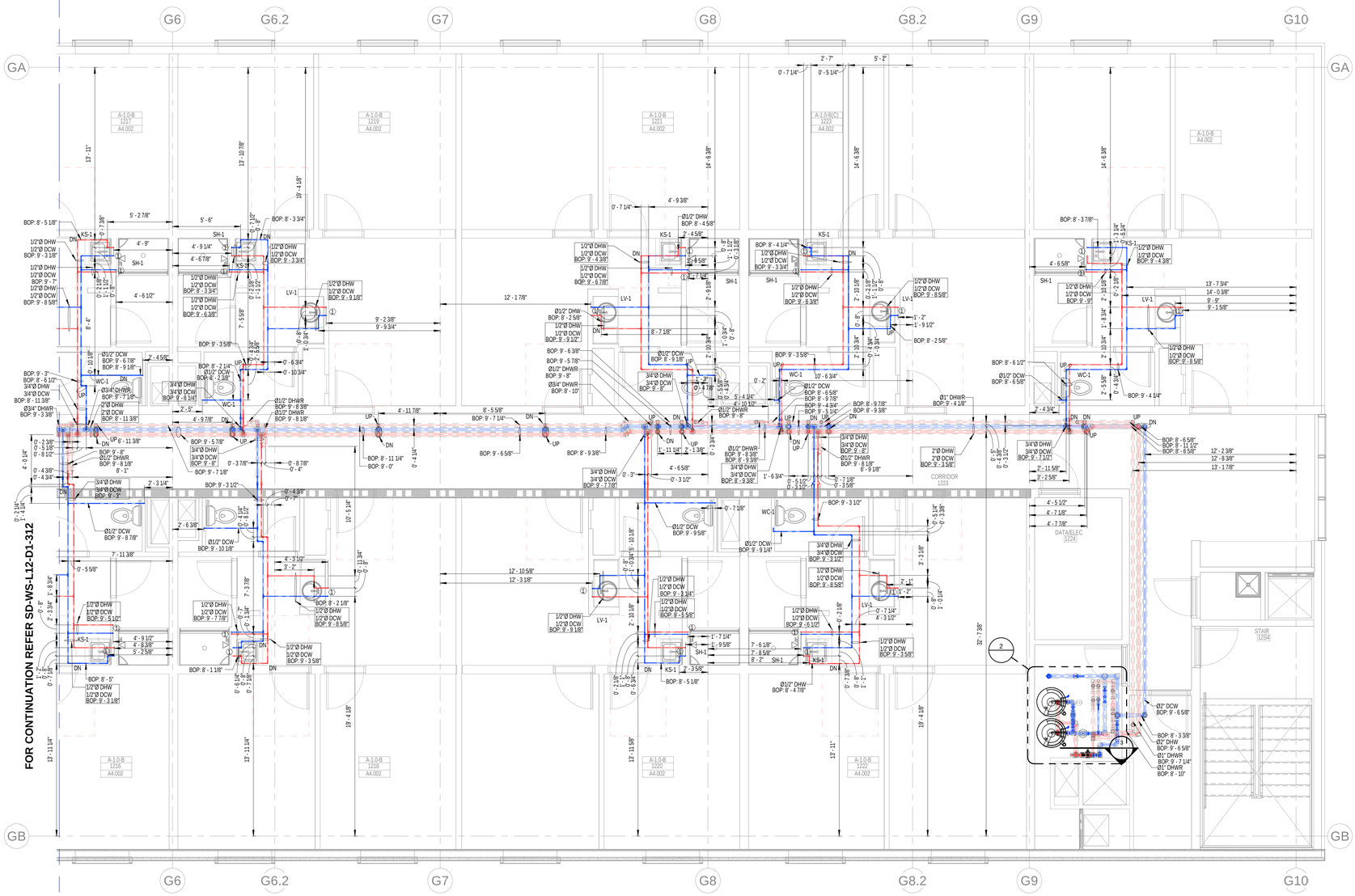
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-11-2022

DRAWING TITLE
Level 12 Area D1 Water Supply Layout

DRAWING NO.
SD-WS-L12-D1-312

Forum #
MMA # 19050



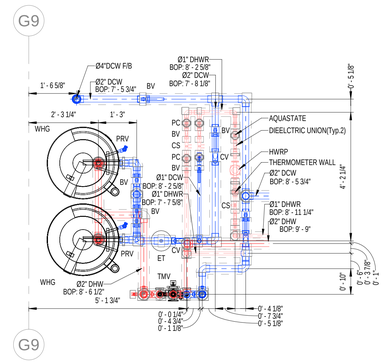
1 Level 12 Area D2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

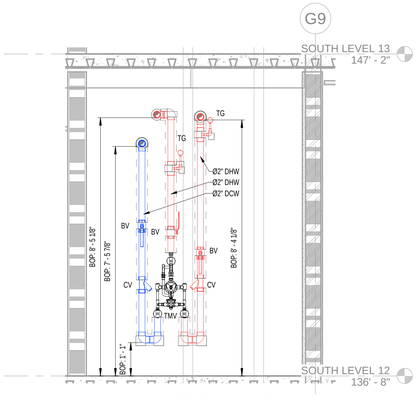
1. The BOP is measured from SOUTH LEVEL 12 (136' 8").
2. The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER



2 Level 13 Area D2 Water Supply Layout - Callout
1/2" = 1'-0"



3 Level 12 Area D2 Water Supply Section
1/2" = 1'-0"

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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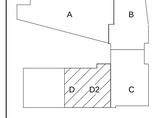
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KEY PLAN:



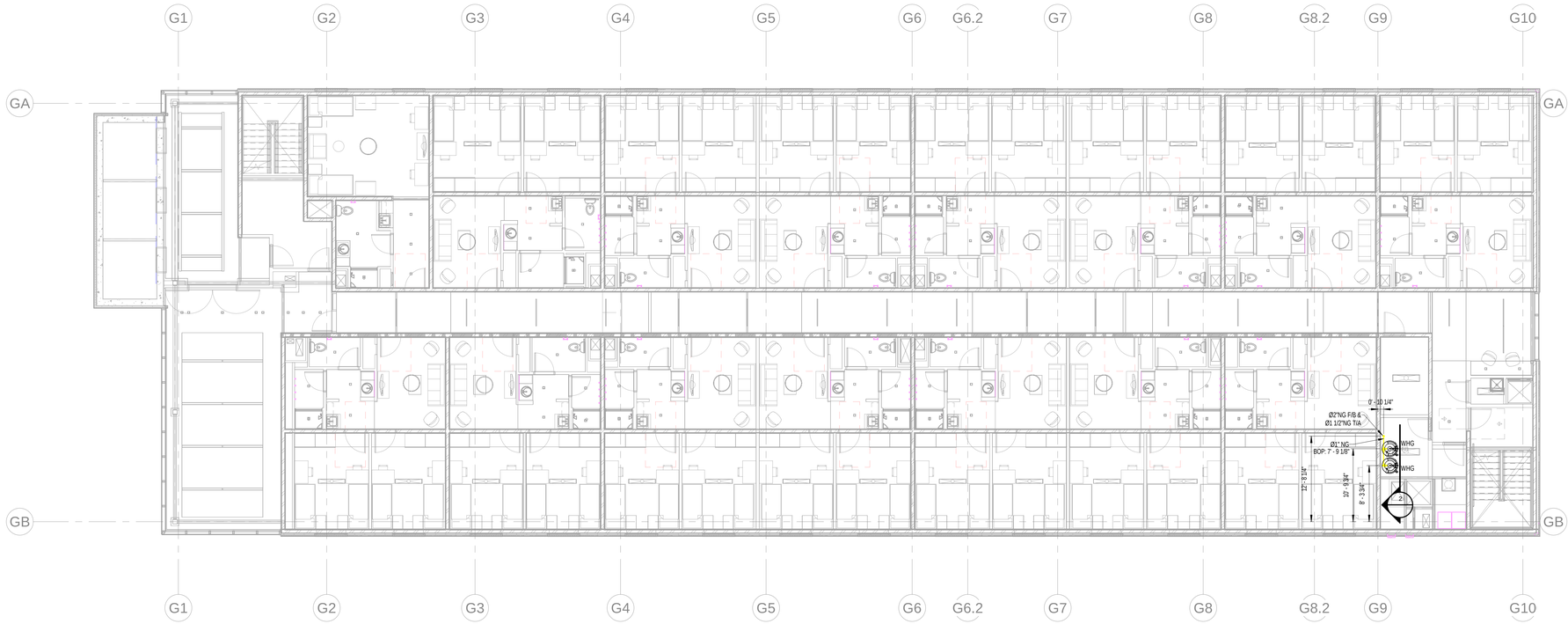
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-11-2022

DRAWING TITLE
Level 12 Area D2 Water Supply Layout

DRAWING NO.
SD-WS-L12-D2-312

Forum # | MMA # 19050

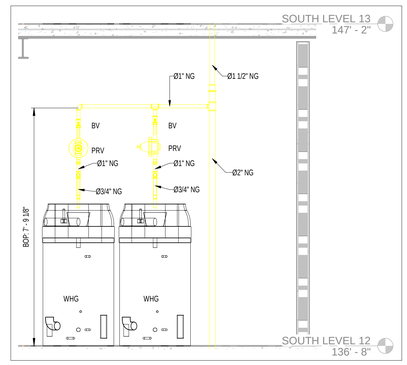


1 Level 12 Area D Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 12(136'-8").

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS
EC	END CAP



2 Level 12 Area D Natural Gas Section
1/2" = 1'-0"

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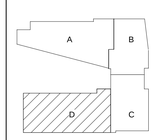
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	04-29-2022

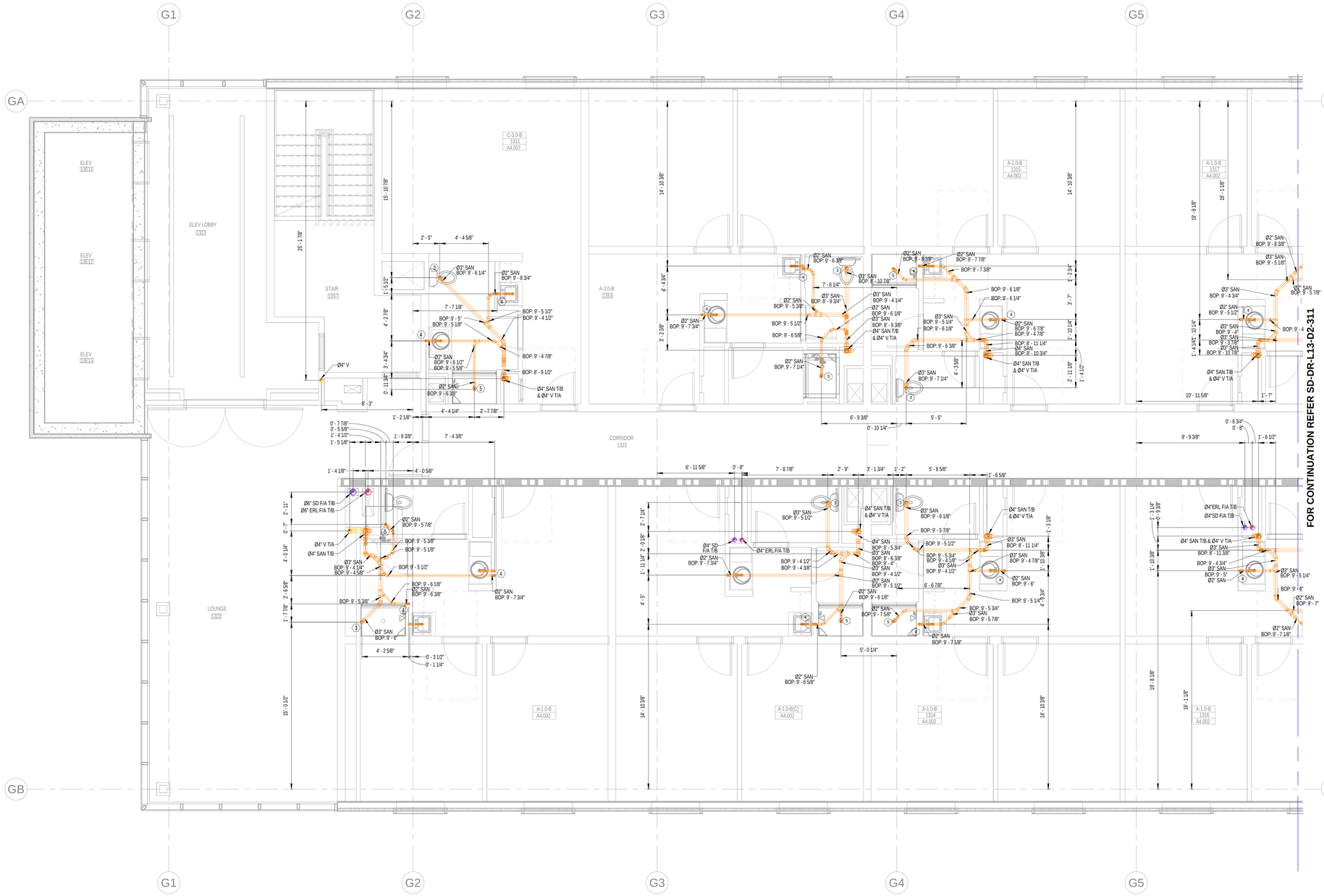
DRAWING TITLE

Level 12 Area D Natural Gas Layout

DRAWING NO.

SD-NG-L12-D-313

Forum #		MMA #	19050



1 Level 13 Area D1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 13 (147'-2").
2.The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2' GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

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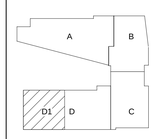
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT
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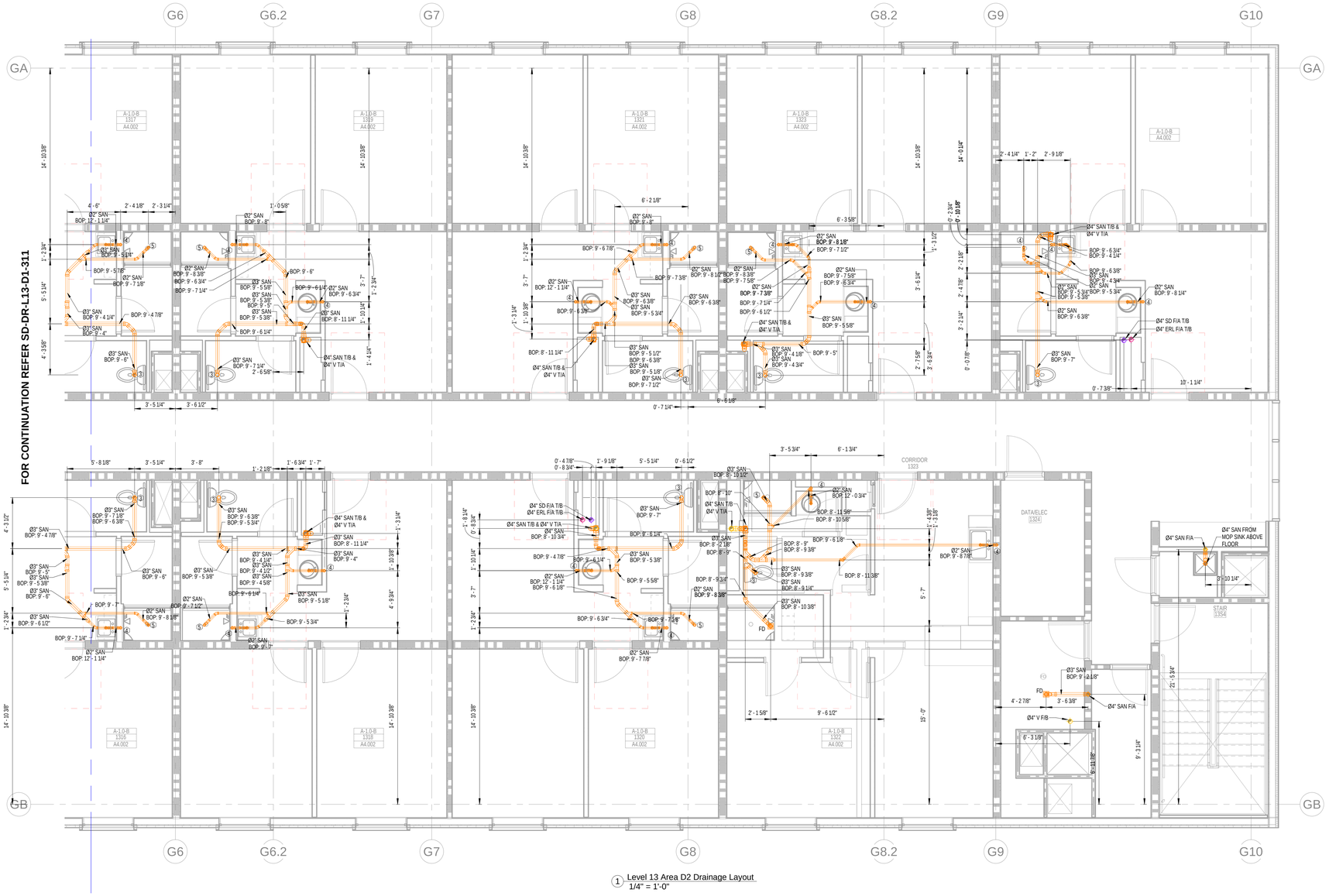
REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-25-2022

DRAWING TITLE
Level 13 Area D1 Drainage Layout

DRAWING NO.
SD-DR-L13-D1-311

Forum # | MMA # 19050

FOR CONTINUATION REFER SD-DR-L13-D1-311



1 Level 13 Area D2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 13 (147'-2").
2.The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

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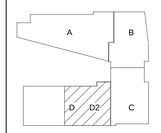
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KEY PLAN:



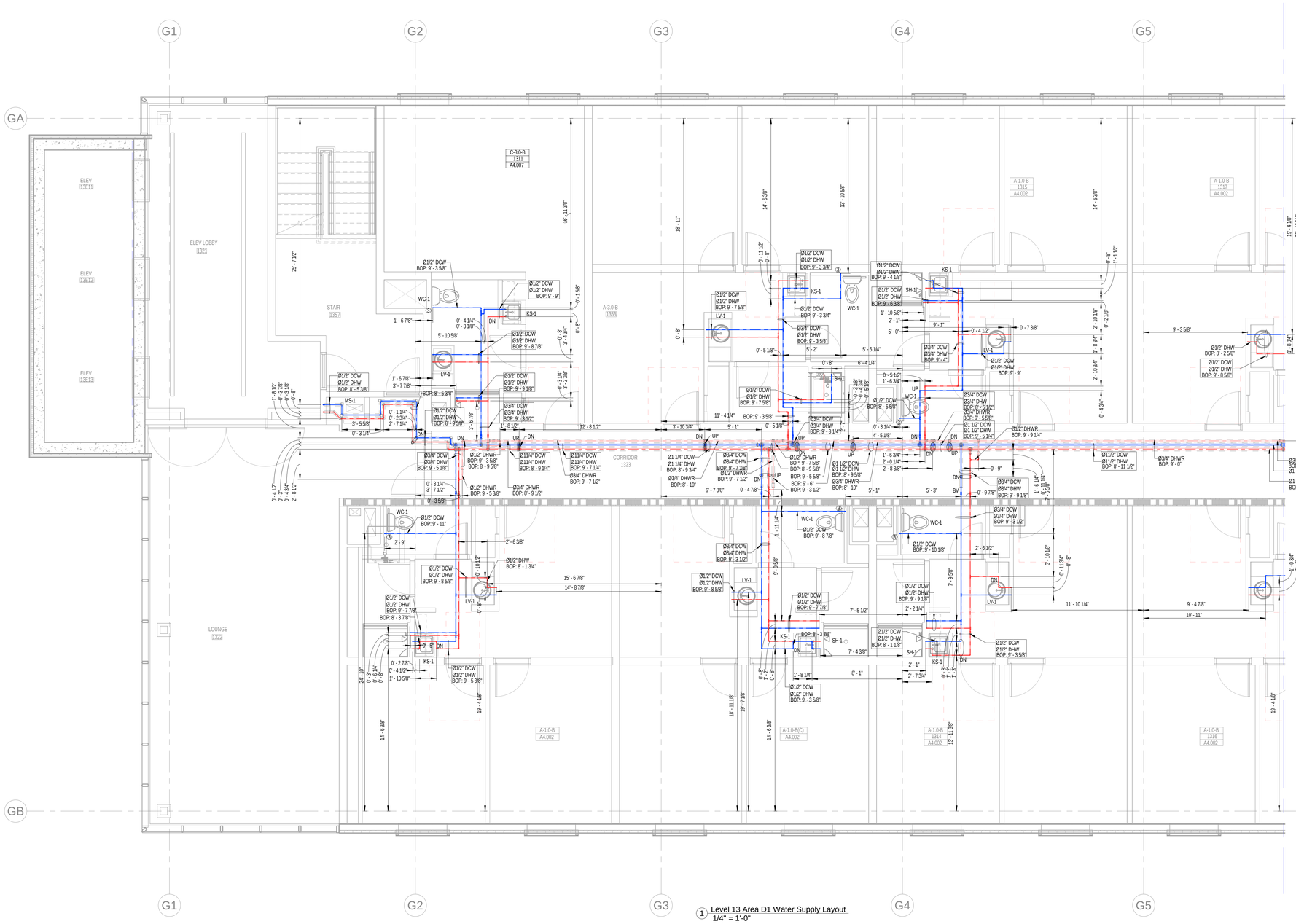
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-25-2022

DRAWING TITLE
Level 13 Area D2 Drainage Layout

DRAWING NO.
SD-DR-L13-D2-311

Forum #		MMA #	19050



1 Level 13 Area D1 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 13 (147' 2").
2.The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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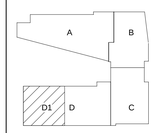
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KEY PLAN:



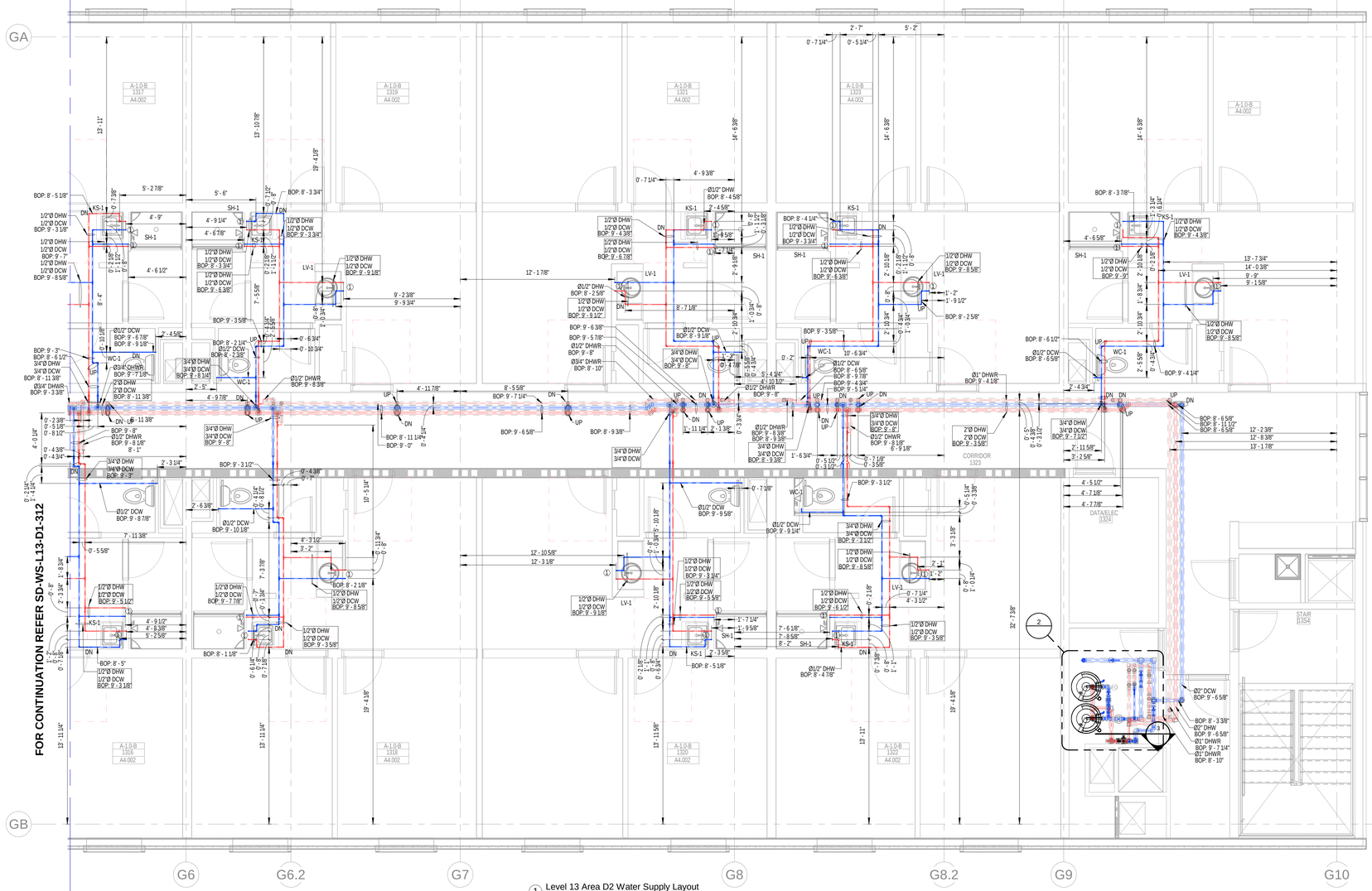
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-11-2022

DRAWING TITLE
Level 13 Area D1 Water Supply Layout

DRAWING NO.
SD-WS-L13-D1-312

Forum #
MMA # 19050



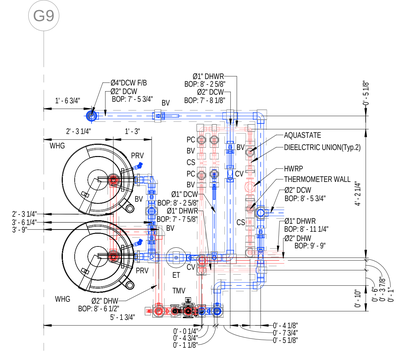
1 Level 13 Area D2 Water Supply Layout
1/4" = 1'-0"

GENERAL NOTES:

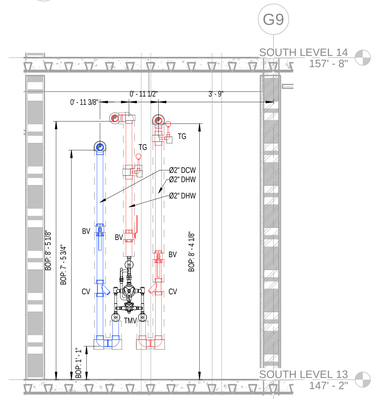
1. The BOP is measured from SOUTH LEVEL 13 (147' 2").
2. The insulation for all pipe sizes is 1".

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER



2 Level 12 Area D2 Water Supply Layout - Callout
1/2" = 1'-0"



3 Level 13 Area D2 Water Supply Section
1/2" = 1'-0"

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
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HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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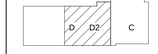
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KEY PLAN:



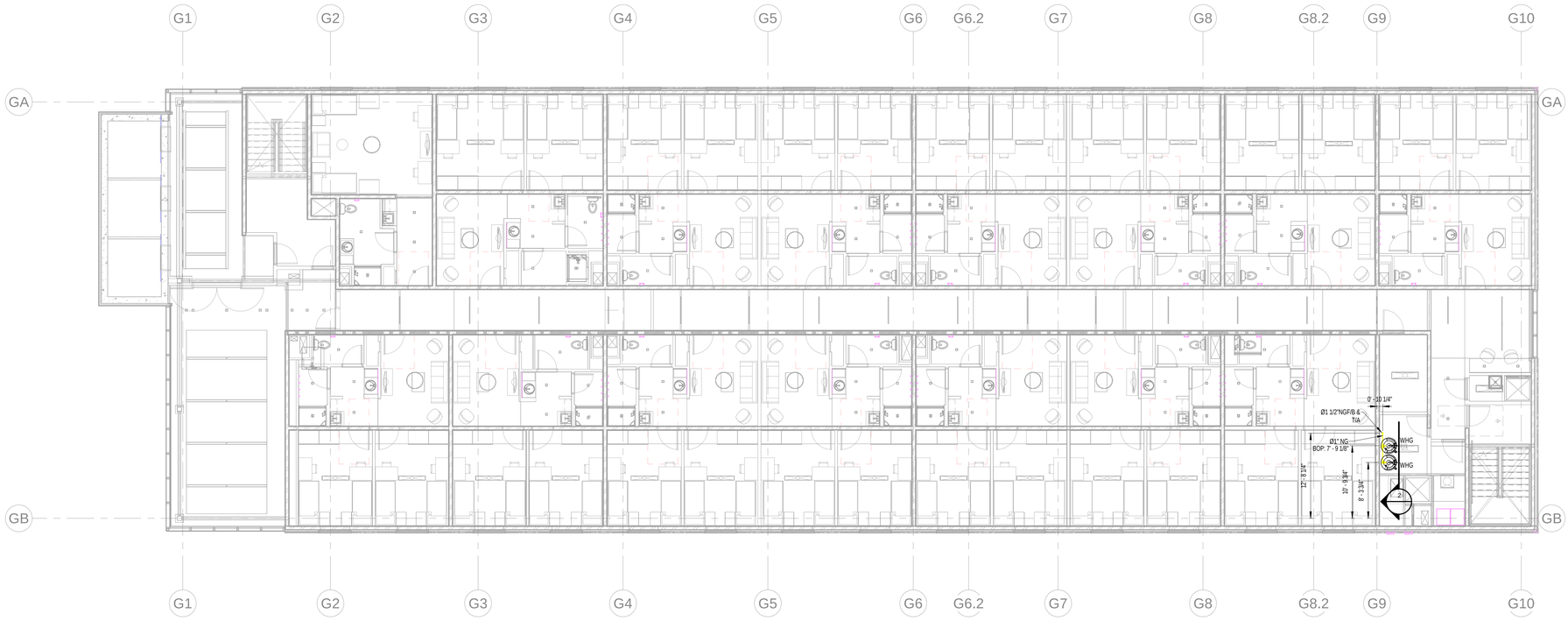
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	05-11-2022

DRAWING TITLE
Level 13 Area D2 Water Supply Layout

DRAWING NO.
SD-WS-L13-D2-312

Forum # | MMA # 19050

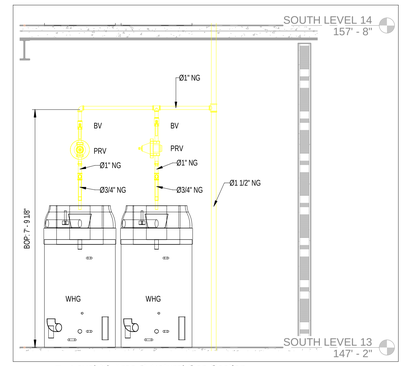


1 Level 13 Area D Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 13(147'-2").

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS
EC	END CAP



2 Level 13 Area D Natural Gas Section
1/2" = 1'-0"

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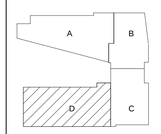
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KEY PLAN:



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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	04-29-2022

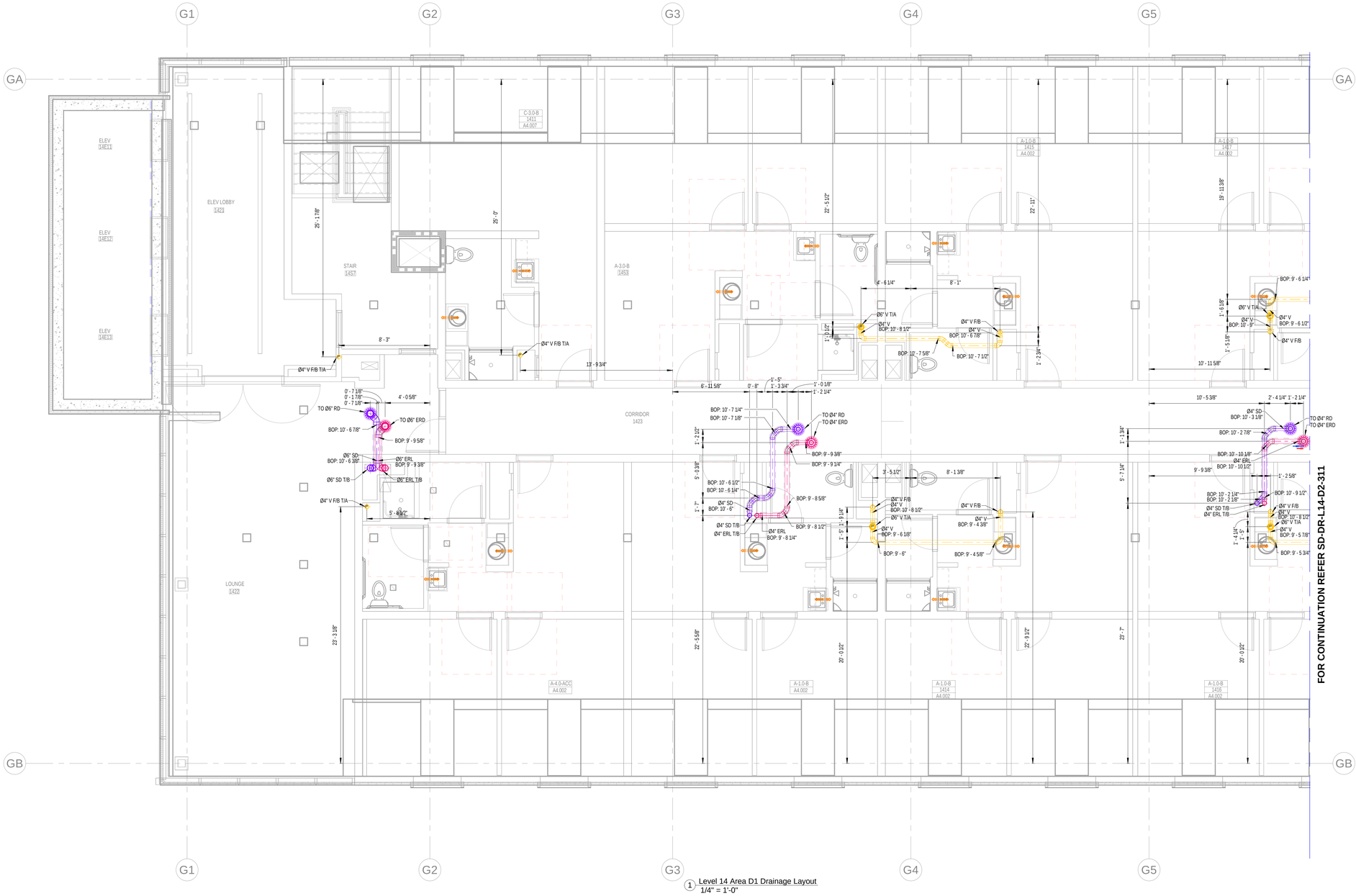
DRAWING TITLE

Level 13 Area D Natural Gas Layout

DRAWING NO.

SD-NG-L13-D-313

Forum #		MMA #	19050



1 Level 14 Area D1 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 14 (157'-8").
2.The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

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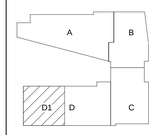
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KEY PLAN:



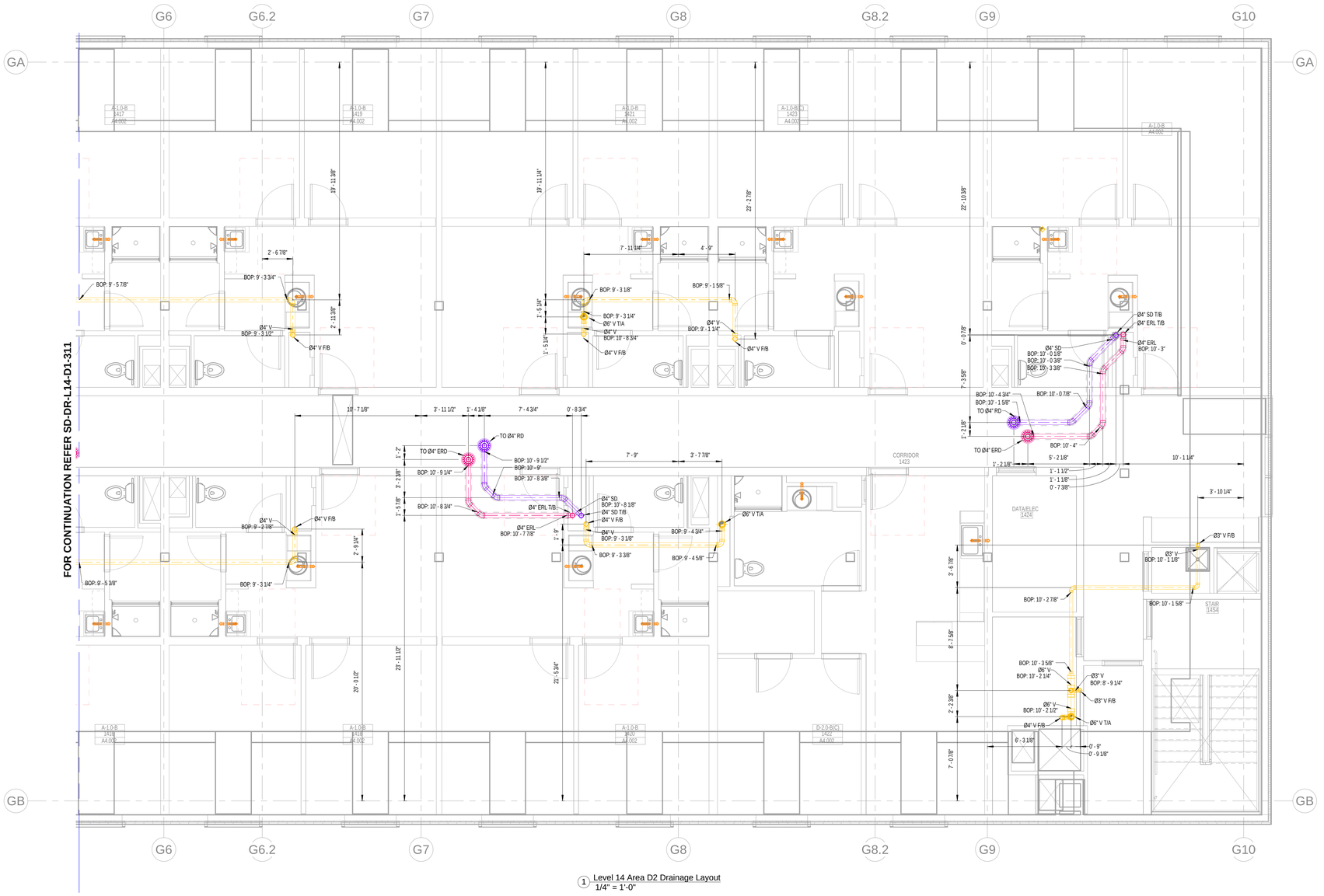
SCAD CAMPUS DEVELOPMENT
1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-08-2022

DRAWING TITLE
Level 14 Area D1 Drainage Layout

DRAWING NO.
SD-DR-L14-D1-311

Forum #		MMA #	19050



1 Level 14 Area D2 Drainage Layout
1/4" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 14 (157'-8").
2.The slope for Grease waste & Sanitary Waste pipe is 1% for pipe size larger than 3" & 2% for pipe size equal to or lower than 3".
3. The slope for Storm Drain is 1% for all sizes.
4. The insulation on Storm Drain is 1" for all pipe sizes.

ABBREVIATION	DESCRIPTION
SAN	SANITARY WASTE
V	VENT
SD	STORM DRAIN
PD	PUMP DISCHARGE
SP	SUMP PUMP
HD	HUB DRAIN
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT
IE	INVERT ELEVATION
WC	WATER CLOSET
T/A	TO ABOVE
F/A	FLOOR ABOVE
WC	WATER CLOSET
DN	DOWN
FS	FLOOR SINK
F/B	FROM BELOW
BOP	BOTTOM OF PIPE
GW	GREASE WASTE
GV	GREASE VENT
T/B	TO BELOW
PRL	PRESSURE RELEASE LINE
ERL	EMERGENCY RAIN LEADER
FT	FLOOR TROUGH
AD	AREA DRAIN
MS	MOP SINK
WB	WASHER BOX
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
VTR	VENT THROUGH ROOF

PLUMBING KEY NOTE	
1	2" GW T/B & 2" GV T/A
2	4" GW T/B & 4" GV T/A
3	3" SAN (WC)
4	2" SAN (SINK)
5	2" SAN (SHOWER)
6	4" SAN F/A
7	4" SAN (WC)

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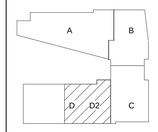
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

1470 SPRING ST. ATLANTA, GA 30309

REV	DESCRIPTION	DATE
R0	SHOP DRAWING	06-08-2022

DRAWING TITLE
Level 14 Area D2 Drainage Layout

DRAWING NO.
SD-DR-L14-D2-311

Forum # | MMA # 19050



1 Level 14 Area D1 Water Supply Layout
1/4" = 1'-0"

FOR CONTINUATION REFER SD-WS-L14-D2-312

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 14 (157' 8").
2. The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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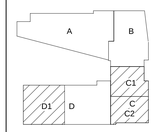
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT
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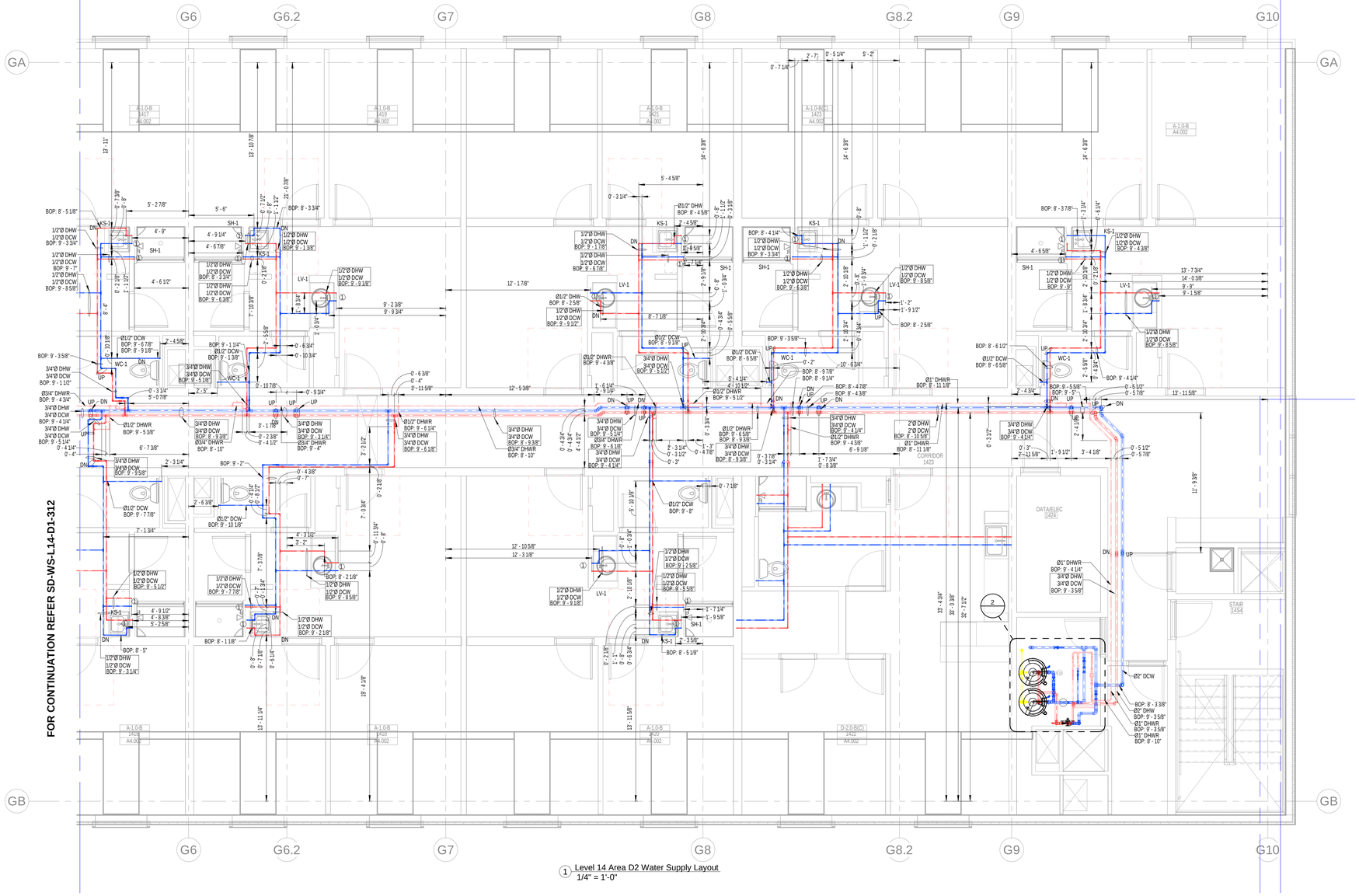
REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-15-2022

DRAWING TITLE
Level 14 Area D1 Water Supply Layout

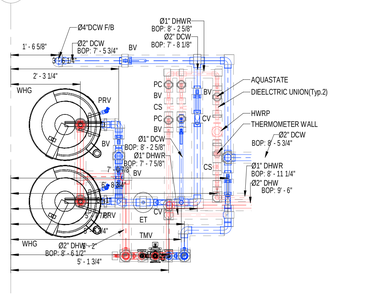
DRAWING NO.
SD-WS-L14-D1-312

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MMA # 19050

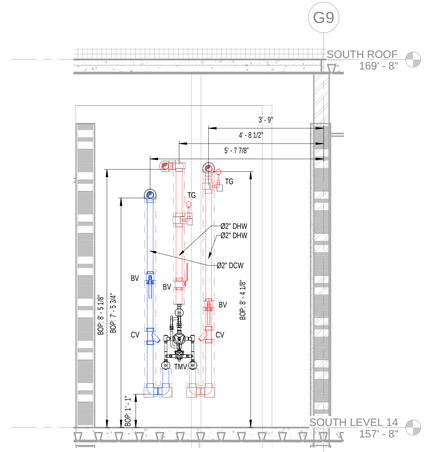
FOR CONTINUATION REFER SD-WS-L14-D1-312



1 Level 14 Area D2 Water Supply Layout
1/4" = 1'-0"



2 Level 14 Area D2 Water Supply Layout - Callout
1/2" = 1'-0"



3 Level 14 Area D2 Water Supply Section
1/2" = 1'-0"

GENERAL NOTES:

1. The BOP is measured from SOUTH LEVEL 14 (157' 8").
2. The insulation for all pipe sizes is 1".

SYMBOL	DESCRIPTION
	BALL VALVE(BV)
	CIRCUIT SETTER(CS)
	ADAPTER

PLUMBING KEY NOTE	
1	Ø1/2" DCW & Ø1/2" DHW DN
2	Ø1" DCW DN
3	Ø1/2" DCW DN
4	Ø1/2" DHW DN

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	CONNECTION SIZE	INLET TEMP (°F)	OUTLET TEMP (°F)	MIN. GPM	MAX GPM	MAX. P.D.	NOTES
TMV-1	LEONARD	170-LF	1/2"	120	110	0.25	3.0	20	1,2
TMV-2	LEONARD	370-LF	1/2"	120	110	0.50	8.0	20	1,2
TMV-3	LEONARD	TA-300-LF	1/2"	120	85	2.0	6.5	30	3,4,5

NOTES:
1. PROVIDE ASSE 1070 COMPLIANCE.
2. PROVIDE LEAD-FREE BRONZE BODY.
3. PROVIDE ASSE 1071/ANSI Z358.1 COMPLIANCE.
4. PROVIDE DIAL THERMOMETER ON OUTLET, ANGLE CHECKSTOPS, MOUNTING BRACKET.
5. PROVIDE 4 GPM COLD WATER BYPASS.

GAS-FIRED STORAGE WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH RECOVERY/ TEMP. RISE	OUTLET TEMPERATURE	GAS CRITERIA		EFFICIENCY (%)	NOTES
						CFH INPUT	FLUE SIZE		
WHG-1	DORM LEVELS	A.O. SMITH BTH-199A	100	261/90°	120°F	199	4"	95	1-9
WHG-2	DORM LEVELS	A.O. SMITH BTH-120A	60	154/90°	120°F	120	3"	95	1-9

NOTES:
1. WATER HEATER(S) SHALL MEET ASHRAE 90-75, ASME-HLW COMPLIANCE, ALL LOCAL CODE REQUIREMENTS, AND SHALL BE AGA CERTIFIED.
2. LOCATE WATER HEATERS AS INDICATED ON PLANS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE POSITIVE LOCK-UP GAS PRESSURE REGULATOR SET TO 2.5" W.C MIN. AB=ND 14" W.C. MAX (8" W.C. NOMINAL).
4. PROVIDE PRESSURE RELIEF VALVE AND ROUTE TO FLOOR DRAIN.
5. PROVIDE DIELECTRIC FITTINGS, BALL VALVES, AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT EQUAL TO NEUTRASAFE CN4-2000 ON CONDENSATE DISCHARGE PIPING. ROUTE TO FLOOR DRAIN.
7. PROVIDE STRAINER ON WATER INLET CONNECTION.
8. PROVIDE BACNET CONTACTS FOR BAS/EMCS.
9. PROVIDE AMTROL MODEL ST-25V-C CATERGORY IV SIDE WALL VENT KIT.

ABBREVIATION	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
BOP	BOTTOM OF PIPE
DHWR	DOMESTIC HOT WATER RETURN
WC	WATER CLOSET
LV	LAVATORY
KS	KITCHEN SINK
SH	SHOWER
F/A	FROM ABOVE
DN	DOWN
BV	BUTTERFLY VALVE
CS	CIRCUIT SETTER
T/B	TO BELOW
CV	CHECK VALVE
HWRP	HOT WATER RECIRULATING PUMP
STR	STRAINER
PC	PET COCK
TG	TEMPERATURE GAUGE
WHG	WATER HEATER GAS

PLUMBING FIXTURE SCHEDULE - DORMS

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-1/ WC-1A	WATER CLOSET - FLUSH TANK, ADA	1.28 GPF	3"	2"	1/2"	---
LV-1	LAVATORY, RES. UNITS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	1.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER (RESIDENTIAL UNITS)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SH-1A	SHOWER (RESIDENTIAL UNITS, ADA)	2.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
KS-1	KITCHEN SINK, RESIDENTIAL UNITS, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
IM-1	ICE MAKER CONNECTION BOX	---	---	---	1/2"	---
WB-1	WASHER BOX	---	2"	1-1/2"	1/2"	1/2"

PLUMBING FIXTURE SCHEDULE - PUBLIC

FIXTURE #	FIXTURE TYPE	FLOW RATE	MINIMUM ROUGH-IN SIZES			
			WASTE	VENT	CW	HW
WC-2	WATER CLOSET - FLUSH VALVE	1.28 GPF	4"	2"	1"	---
WC-2A	WATER CLOSET - FLUSH VALVE, ADA	1.28 GPF	4"	2"	1"	---
LV-2	LAVATORY, PUBLIC RESTROOMS, SINGLE BOWL DROP-IN, OVAL SHAPE, ADA	0.5 GPM	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK - JANITOR'S CLOSET	2 GPM	3"	1-1/2"	1/2"	1/2"
KS-2	PUBLIC SINK, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
SK-1	WORK/LOUNGE, INDOOR, PUBLIC, RECTANGULAR SHAPE	2 GPM	1-1/2"	1-1/2"	1/2"	1/2"
NFWH	NON-FREEZE WALL HYDRANT	---	---	---	3/4"	---
EWC-1	ELECTRIC WATER COOLER	0.15 GPM	1-1/2"	1-1/2"	1/2"	---
UR-1/ UR-1A	URINAL	0.5 GPM	2"	2"	3/4"	---

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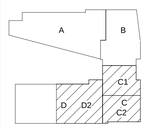
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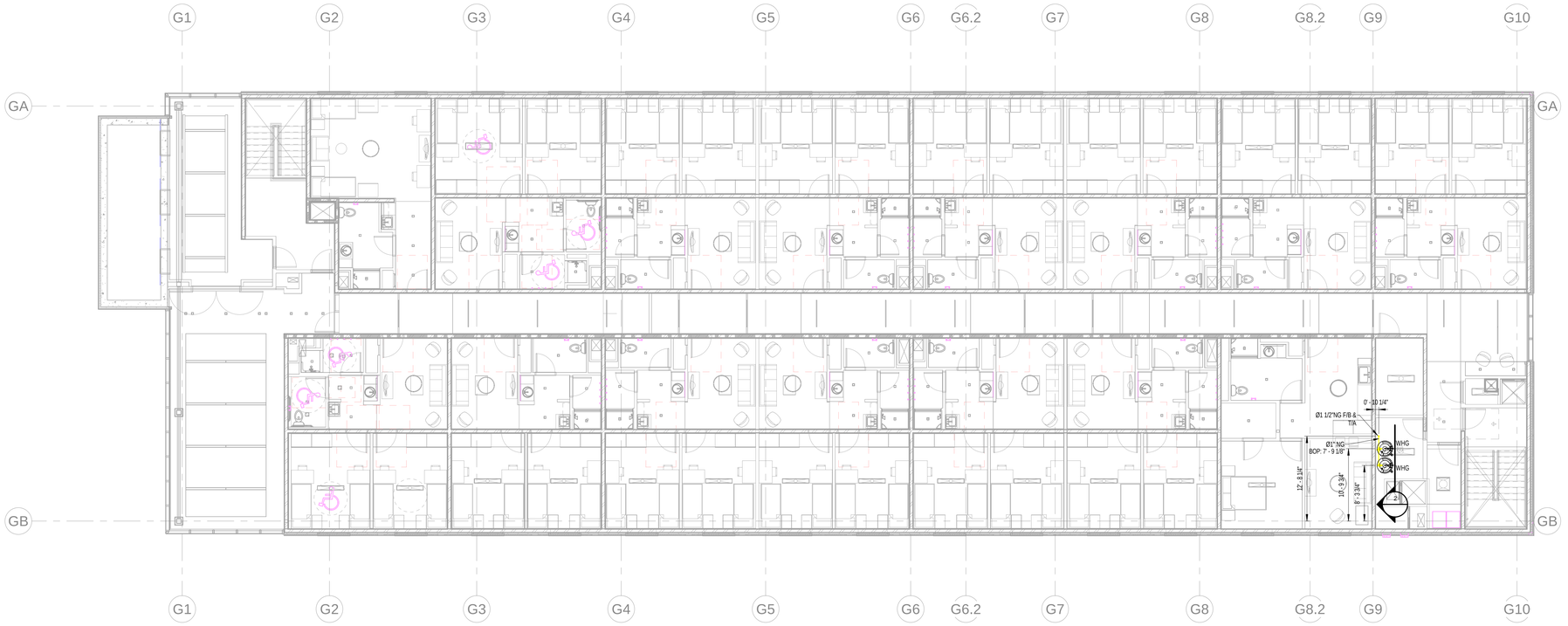
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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	09-15-2022

DRAWING TITLE
Level 14 Area D2 Water Supply Layout

DRAWING NO.
SD-WS-L14-D2-312

Forum #
MMA # 19050

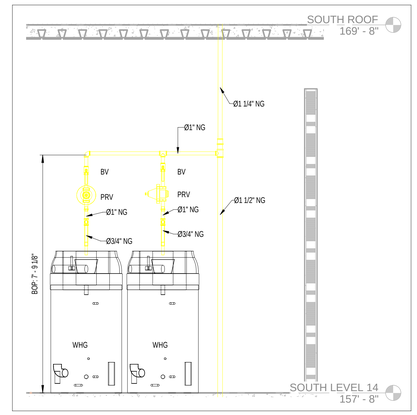


1 Level 14 Area D Natural Gas Layout
1/8" = 1'-0"

GENERAL NOTES:

1.The BOP is measured from SOUTH LEVEL 14(157'-8").

ABBREVIATION	DESCRIPTION
NG	NATURAL GAS
F/B	FROM BELOW
T/B	TO BELOW
F/A	FROM ABOVE
T/A	TO ABOVE
PRV	PRESSURE RELIEF VALVE
BV	BALL VALVE
WHG	WATER HEATER GAS
EC	END CAP



2 Level 14 Area D Natural Gas Section
1/2" = 1'-0"

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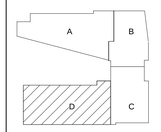
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KEY PLAN:



SCAD CAMPUS DEVELOPMENT

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REV	DESCRIPTION	DATE
R0	SHOP DRAWING	04-29-2022

DRAWING TITLE

Level 14 Area D Natural Gas Layout

DRAWING NO.

SD-NG-L14-D-313

Forum #		MMA #	19050