

24-0092 H2 Greenwood SC UPDATED Plumbing 100% Review.pdf Markup Summary

Provide WC-3 with open-front water closet seats with self-sustaining check hinges. (1)

Page Label: P-302

Provide WC-3 with open-front water closet seats with self-sustaining check hinges.



Excepted with Comment

HILTON ARCHITECTURE, DESIGN & CONSTRUCTION

This review of your plans, drawings, specifications, construction phase product submittals, site conditions or construction progress is limited to conformance with aesthetic and functional layout and design, and certain functional, operational, and quality criteria, as specified in the Brand's prototype requirements and/or Design and Construction Standards. It does not encompass, and Hilton does not make any representation or warranty as to, nor shall it be responsible for, the Architectural, Structural, Mechanical, or Electrical safety, adequacy, integrity, or efficiency of the design, or compliance with applicable government or other legal requirements. All Hilton licensees must comply with National accessibility laws, codes, and requirements (i.e. ADA), as well as State and Local codes for accessible facilities, Hilton's fire life-safety and security equipment standards, and all applicable Local, State, and Federal Building Codes. Omissions from this review do not constitute a waiver and do not release the licensee from any responsibility to conform to the criteria defined in the Property Improvement Plan (PIP), Brand's prototype requirements and/or Design and Construction Standards.

REVIEWED - 12/02/2025



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912 S Pine Street
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Project Title:
**HOME 2 SUITES
GREENWOOD SC**
475 HOSPITALITY BLVD,
GREENWOOD, SC 29649

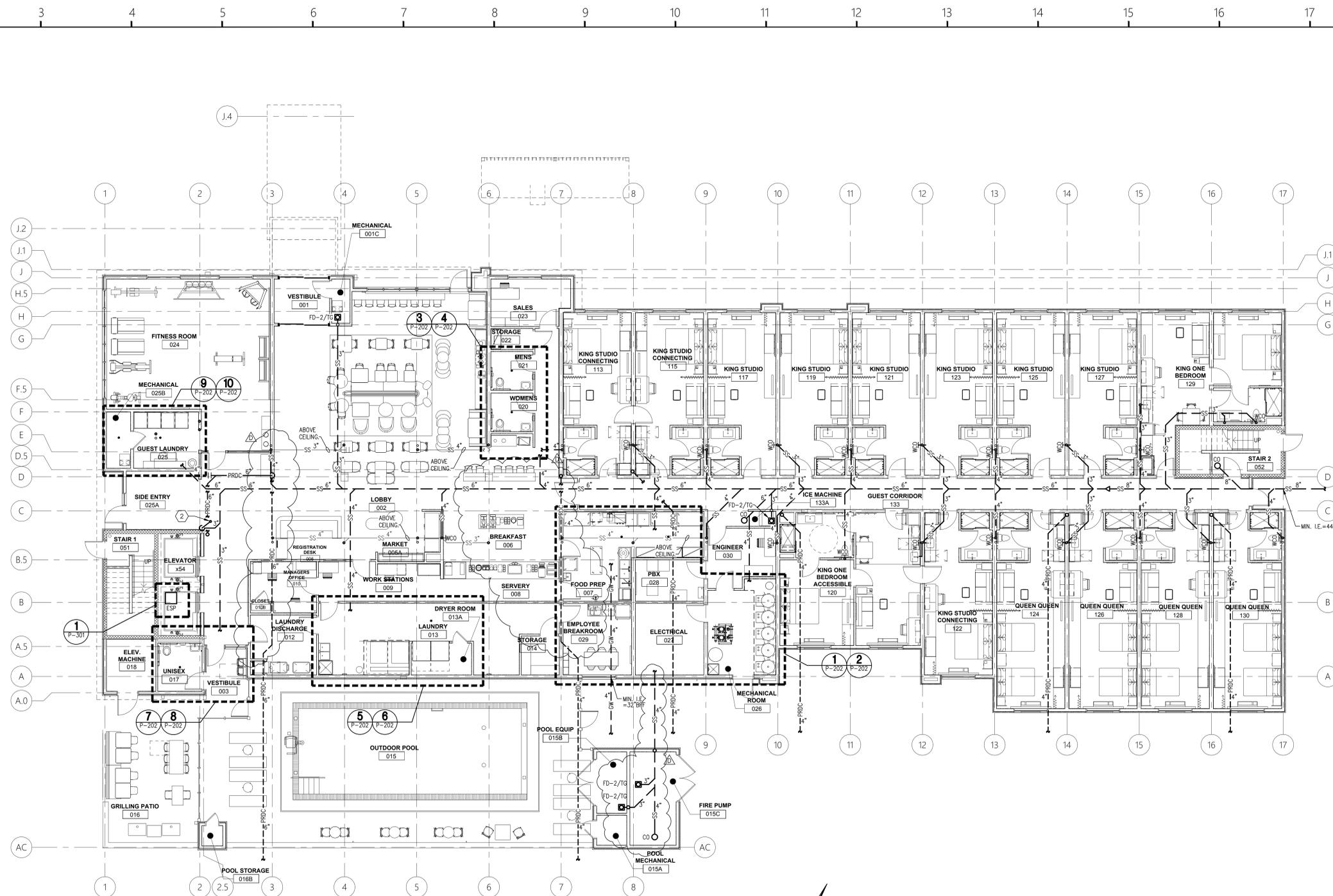
Client Logo:



Revisions:
10.16.2024 Issue For Permit
A 03.20.2025 100% Issue For Hilton
D 09.08.2025 Client Comments

Project Number:
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NSC
Checked By:
LWI

Sheet Number:
P-101
Sheet Title:
FIRST FLOOR PLUMBING
WASTE PLAN



**FIRST FLOOR
PLUMBING WASTE PLAN**
1 P-101 SCALE: 1/8"=1'-0"



KEY NOTES:

- 1. TYPICAL FOR ALL SIMILAR FIXTURE LAYOUTS FOR ALL FLOORS.
- 2. 3"SS FROM ICE MAKER HUB DRAINS ABOVE.

PLUMBING LEGEND	
— CW —	COLD WATER
— CW —	COLD WATER BURIED
— HW —	140° HOT WATER
— 165HW —	165° HOT WATER
— THW —	125° TEMPERED HOT WATER
— HWR —	HOT WATER RETURN
— THWR —	TEMPERED HOT WATER RETURN
— SS —	SANITARY SEWER
— SS —	SANITARY SEWER BURIED OR BELOW FLOOR
— GW —	GREASE INTERCEPTOR WASTE
— —	SANITARY SEWER VENT
— NG —	NATURAL GAS
— PRDC —	PRIMARY ROOF DRAIN CONDUCTOR
— SRDC —	SECONDARY ROOF DRAIN CONDUCTOR
— C —	CONDENSATE DRAINAGE
— PD —	PUMPED DRAIN

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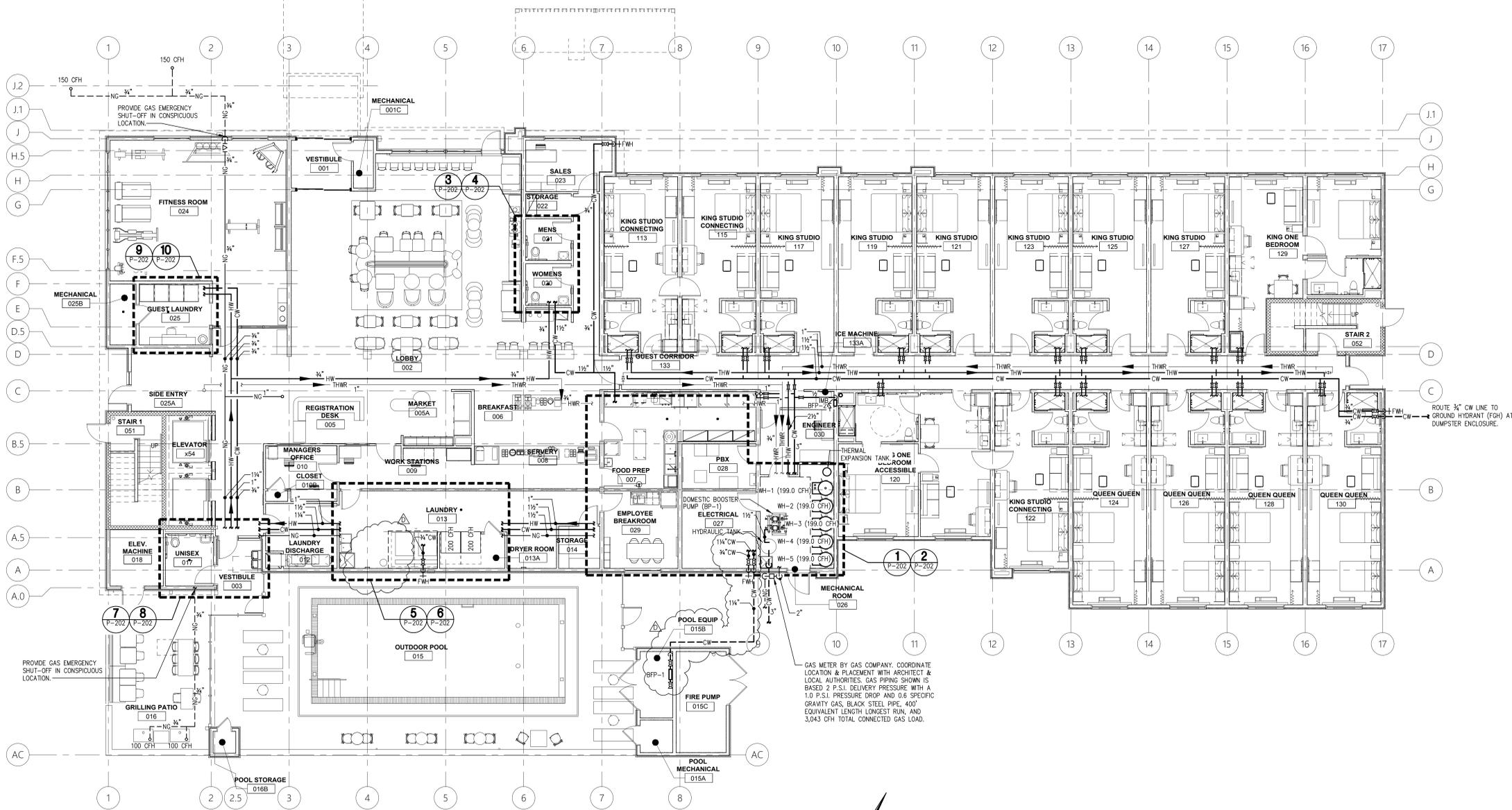
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Sheet Number:
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Sheet Title:
FIRST FLOOR PLUMBING
SUPPLY PLAN

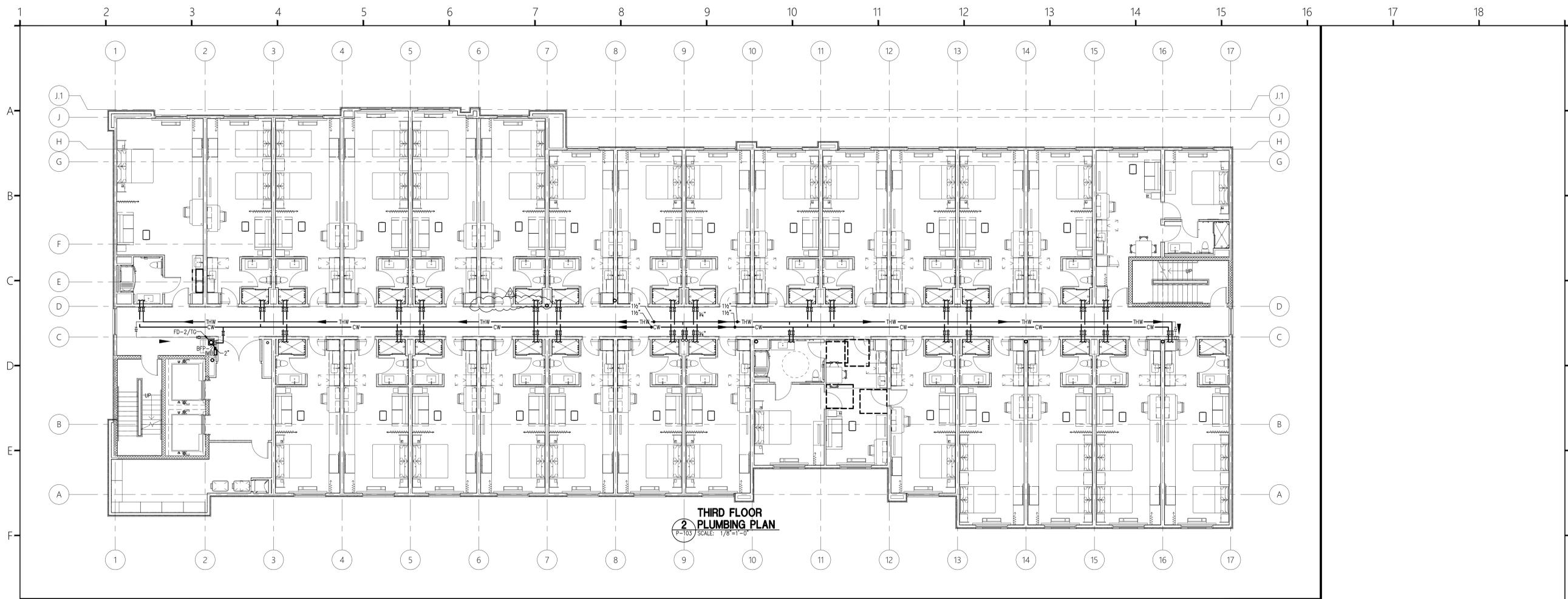


**FIRST FLOOR
PLUMBING SUPPLY PLAN**
1 P-102 SCALE: 1/8"=1'-0"

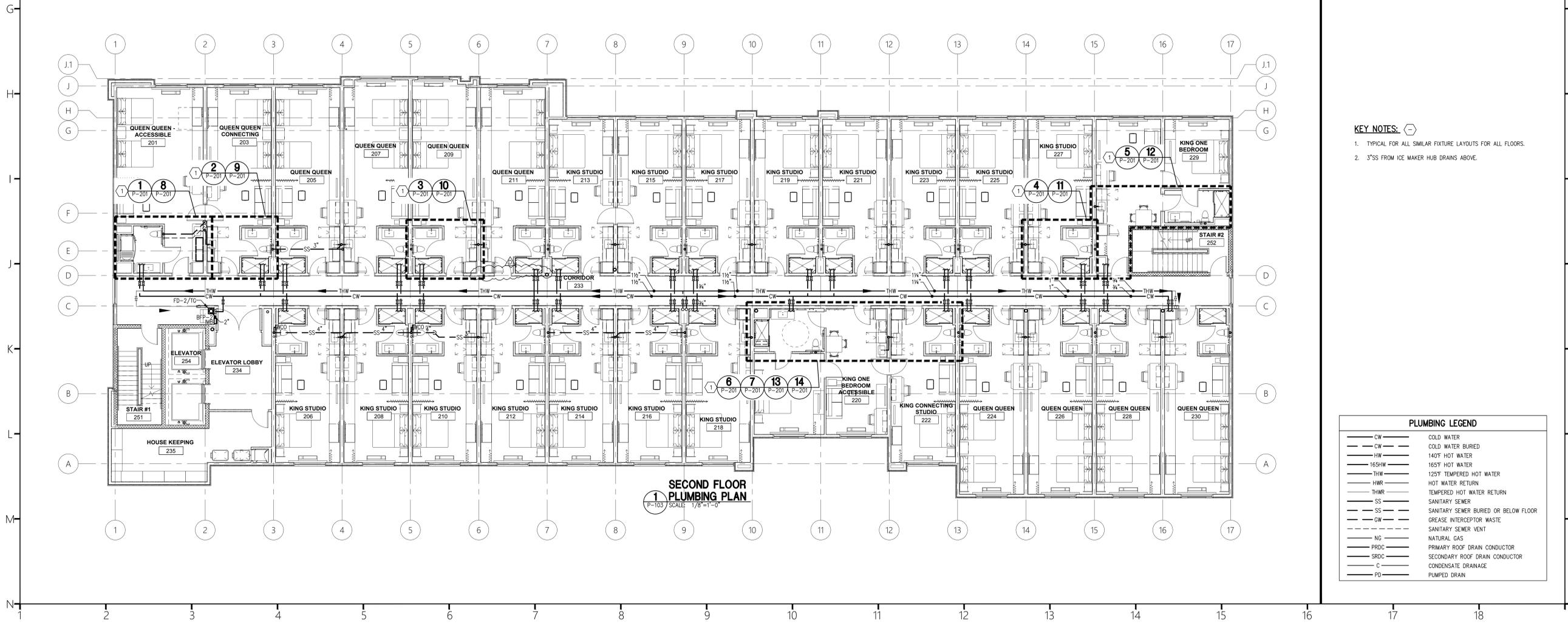


PLUMBING LEGEND	
CW	COLD WATER
CWB	COLD WATER BURIED
HW	140° HOT WATER
165HW	165° HOT WATER
THW	125° TEMPERED HOT WATER
HWR	HOT WATER RETURN
THWR	TEMPERED HOT WATER RETURN
SS	SANITARY SEWER
SSB	SANITARY SEWER BURIED OR BELOW FLOOR
GW	GREASE INTERCEPTOR WASTE
NSV	SANITARY SEWER VENT
NG	NATURAL GAS
PRDC	PRIMARY ROOF DRAIN CONDUCTOR
SRDC	SECONDARY ROOF DRAIN CONDUCTOR
C	CONDENSATE DRAINAGE
PD	PUMPED DRAIN

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**THIRD FLOOR
2 PLUMBING PLAN**
P-103 SCALE: 1/8"=1'-0"



**SECOND FLOOR
1 PLUMBING PLAN**
P-103 SCALE: 1/8"=1'-0"

PLUMBING LEGEND	
— CW —	COLD WATER
— CW —	COLD WATER BURIED
— HW —	140°F HOT WATER
— 165HW —	165°F HOT WATER
— THW —	125°F TEMPERED HOT WATER
— HWR —	HOT WATER RETURN
— THWR —	TEMPERED HOT WATER RETURN
— SS —	SANITARY SEWER
— SS —	SANITARY SEWER BURIED OR BELOW FLOOR
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— — —	SANITARY SEWER VENT
— NC —	NATURAL GAS
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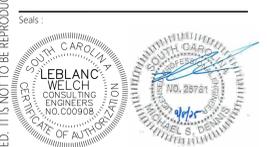
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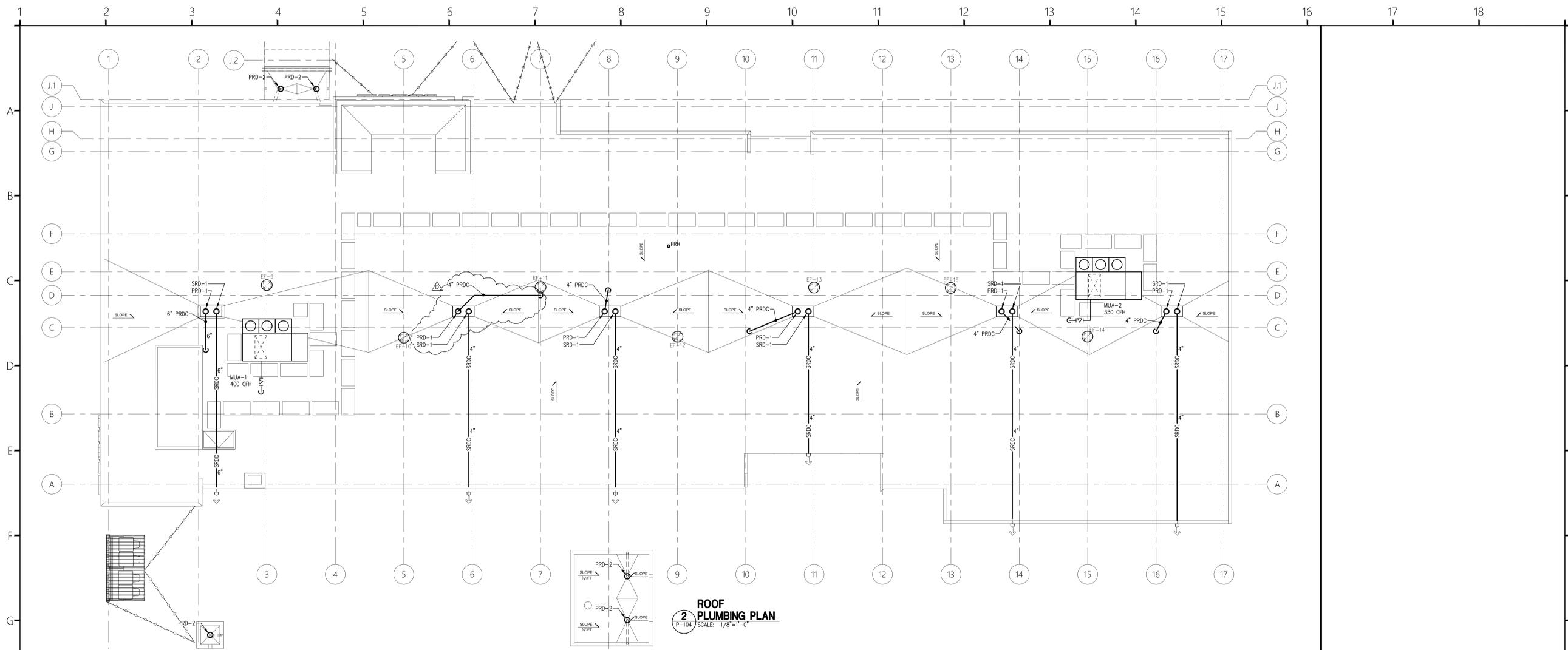
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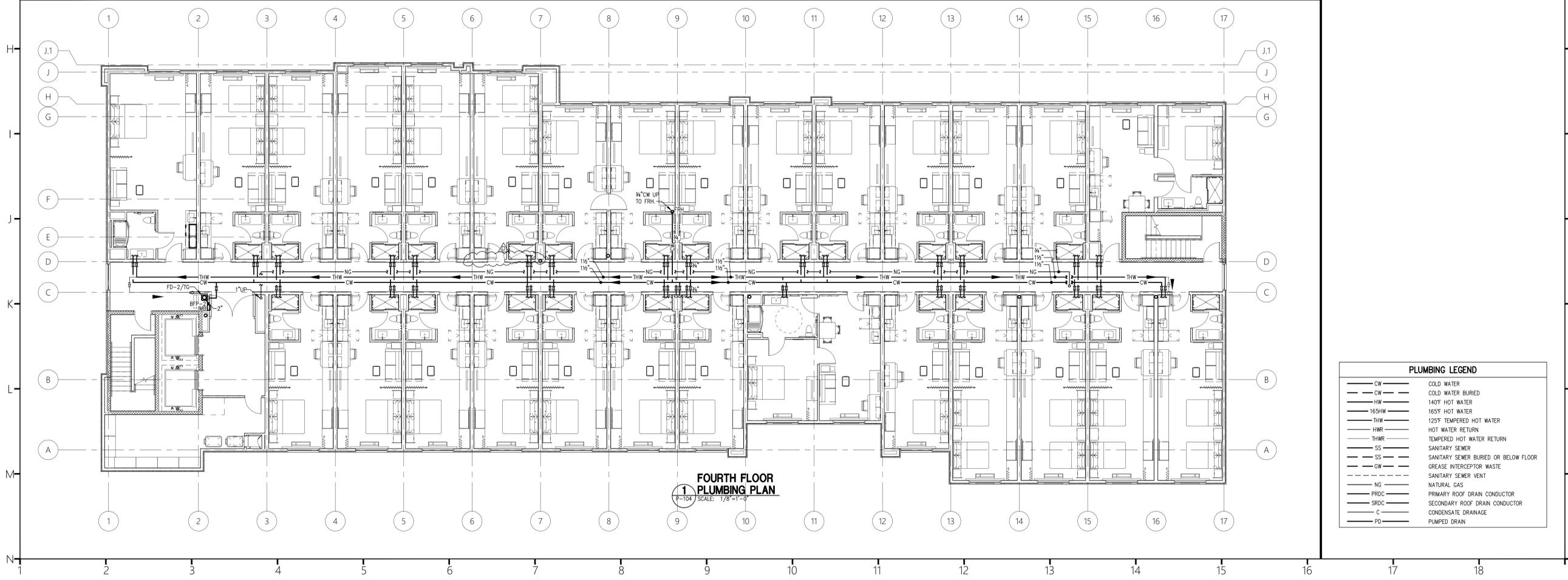
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SECOND & THIRD FLOOR
PLUMBING PLANS

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ROOF PLUMBING PLAN
 2
 P-104 SCALE: 1/8"=1'-0"



FOURTH FLOOR PLUMBING PLAN
 1
 P-104 SCALE: 1/8"=1'-0"

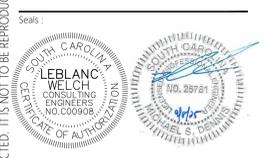
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— CW —	COLD WATER BURIED
— HW —	140°F HOT WATER
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— SV —	SANITARY SEWER VENT
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FOURTH FLOOR & ROOF PLUMBING PLANS

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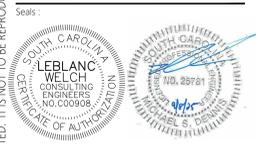
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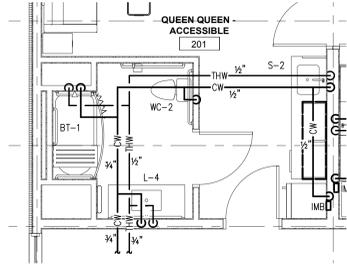
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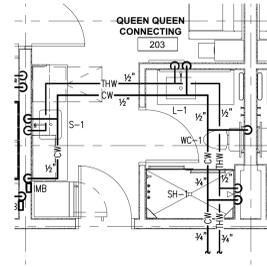
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Sheet Number:
P-201
Sheet Title:
PLUMBING GUEST ROOM
PLANS

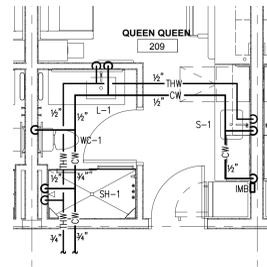
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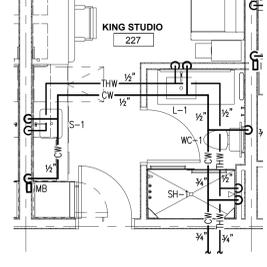
1 Q Q ACCESSIBLE PLUMBING SUPPLY PLAN
P-201 SCALE: 1/4"=1'-0"



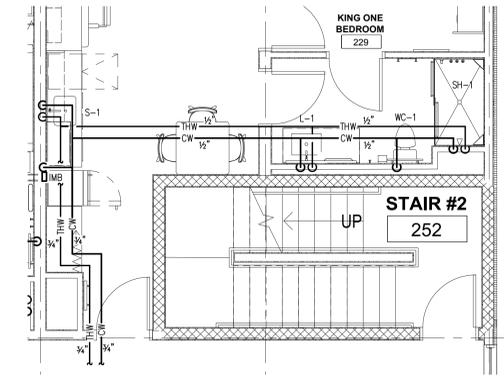
2 Q Q CONNECTING PLUMBING SUPPLY PLAN
P-201 SCALE: 1/4"=1'-0"



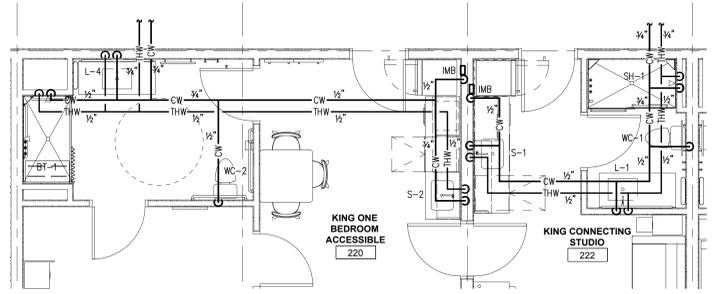
3 Q Q PLUMBING SUPPLY PLAN
P-201 SCALE: 1/4"=1'-0"



4 KING STUDIO PLUMBING SUPPLY PLAN
P-201 SCALE: 1/4"=1'-0"

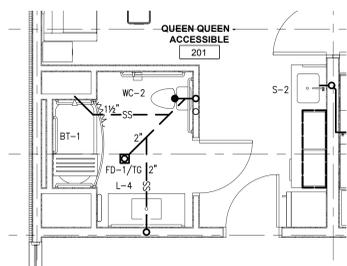


5 KING 1 BR PLUMBING SUPPLY PLAN
P-201 SCALE: 1/4"=1'-0"

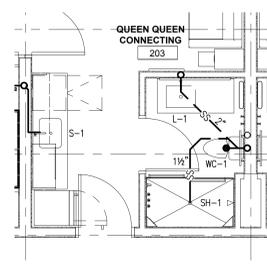


7 KING 1 BR PLUMBING SUPPLY PLAN
P-201 SCALE: 1/4"=1'-0"

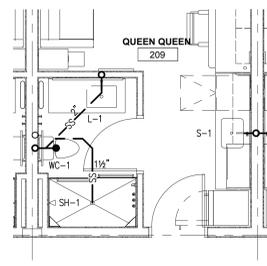
6 KING CONNECTING STUDIO PLUMBING SUPPLY PLAN
P-201 SCALE: 1/4"=1'-0"



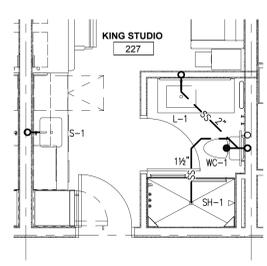
8 Q Q ACCESSIBLE PLUMBING WASTE PLAN
P-201 SCALE: 1/4"=1'-0"



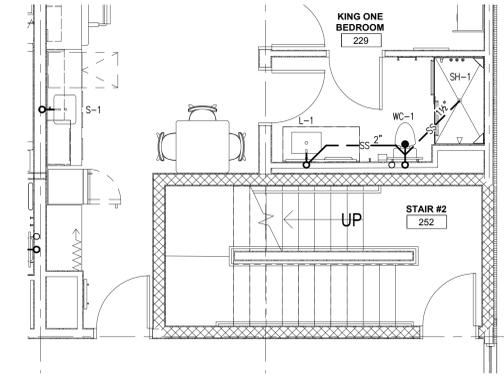
9 Q Q CONNECTING PLUMBING WASTE PLAN
P-201 SCALE: 1/4"=1'-0"



10 Q Q PLUMBING WASTE PLAN
P-201 SCALE: 1/4"=1'-0"



11 KING STUDIO PLUMBING WASTE PLAN
P-201 SCALE: 1/4"=1'-0"



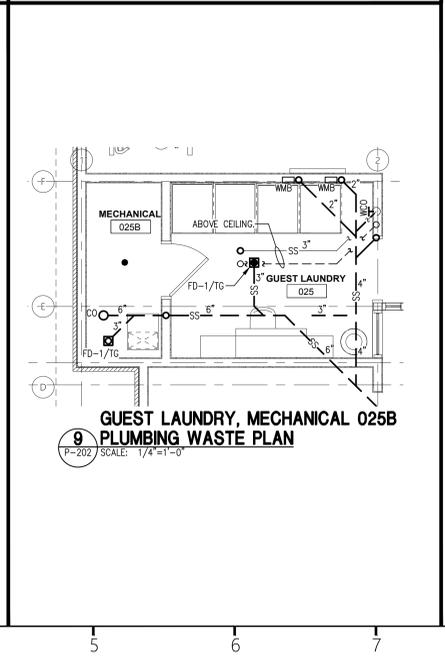
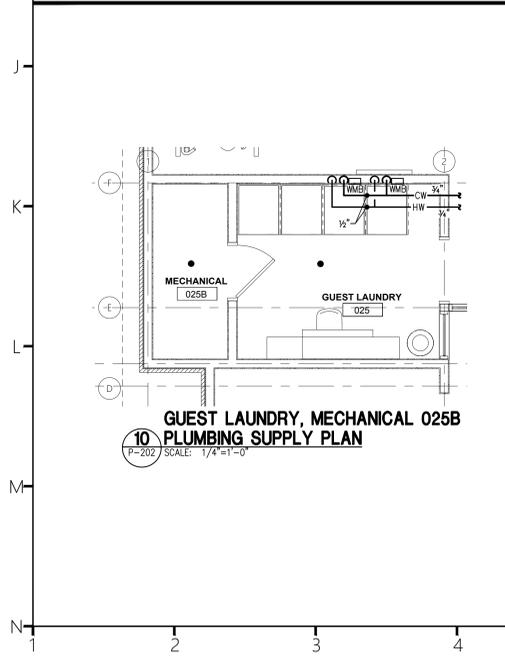
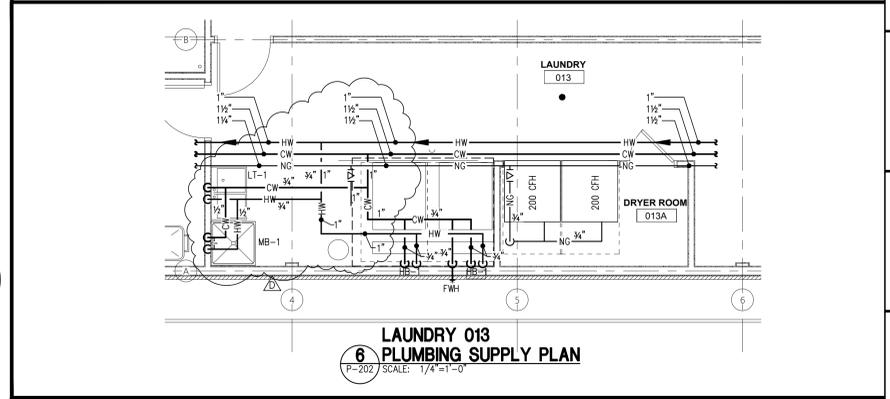
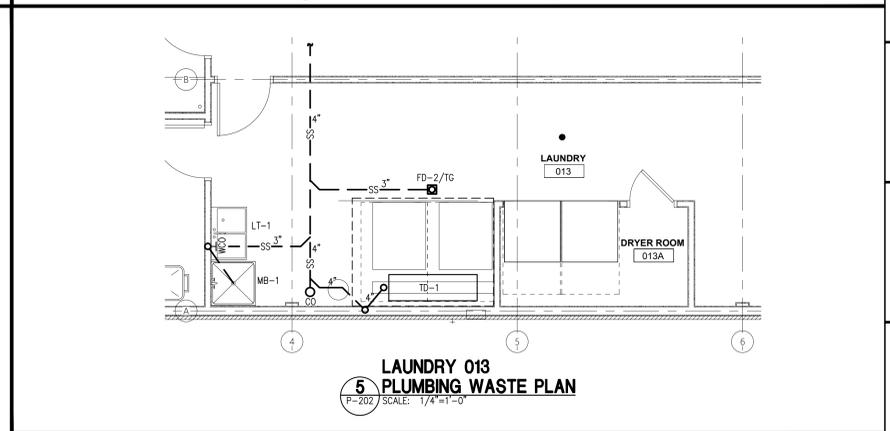
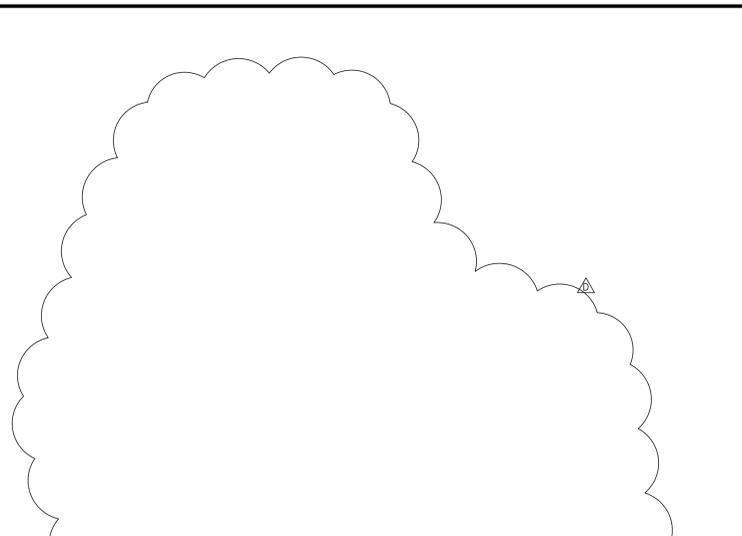
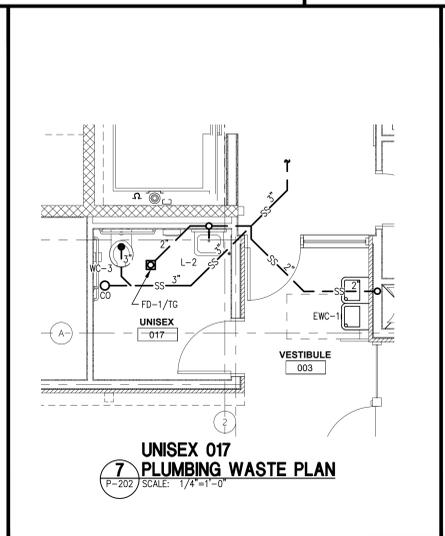
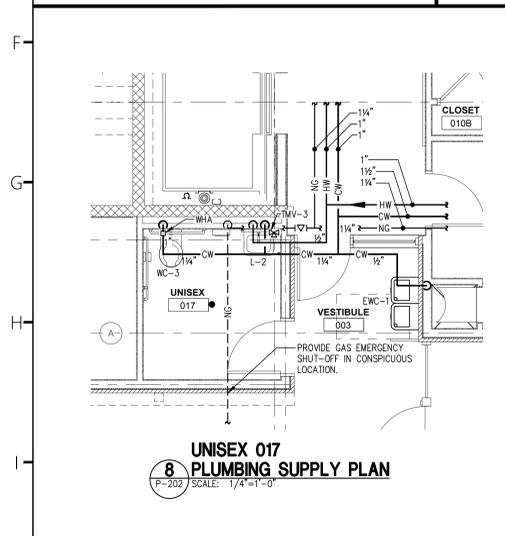
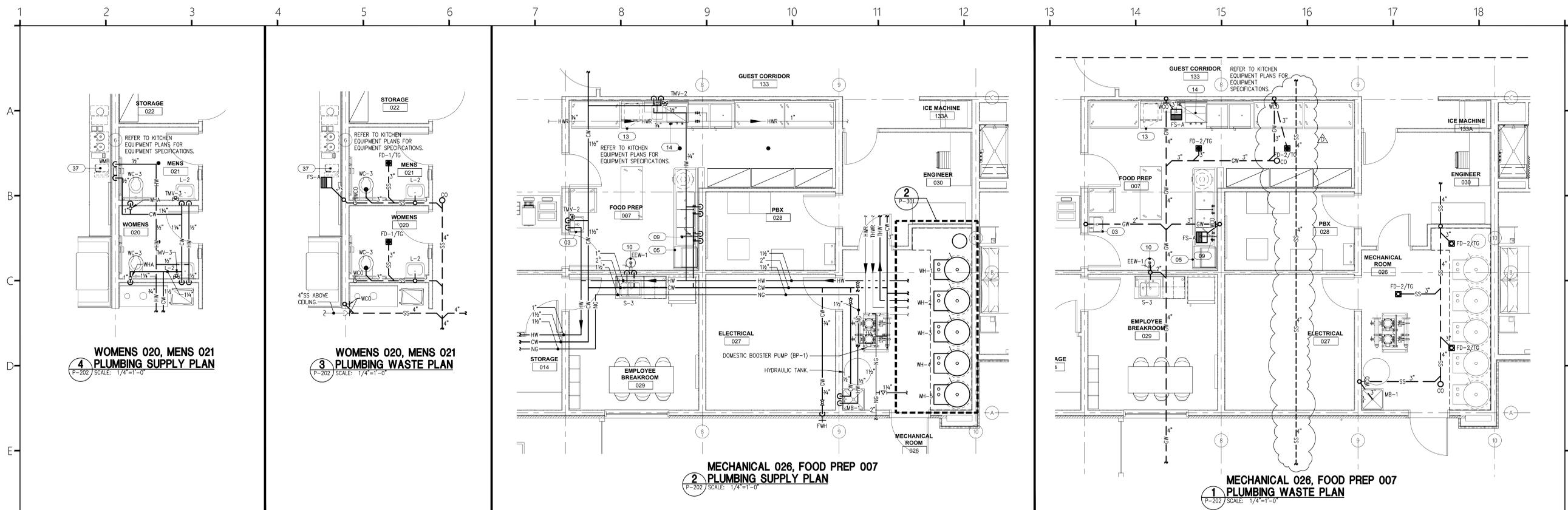
12 KING 1 BR PLUMBING WASTE PLAN
P-201 SCALE: 1/4"=1'-0"



14 KING 1 BR ACCESSIBLE PLUMBING WASTE PLAN
P-201 SCALE: 1/4"=1'-0"

13 KING CONNECTION STUDIO PLUMBING WASTE PLAN
P-201 SCALE: 1/4"=1'-0"

PLUMBING LEGEND	
— CW —	COLD WATER
— CW —	COLD WATER BURIED
— HW —	140F HOT WATER
— 165HW —	165F HOT WATER
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— HWR —	HOT WATER RETURN
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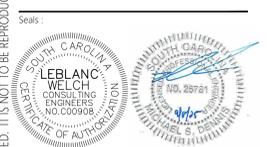
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 FIRST FLOOR ENLARGED
 PLUMBING PLANS

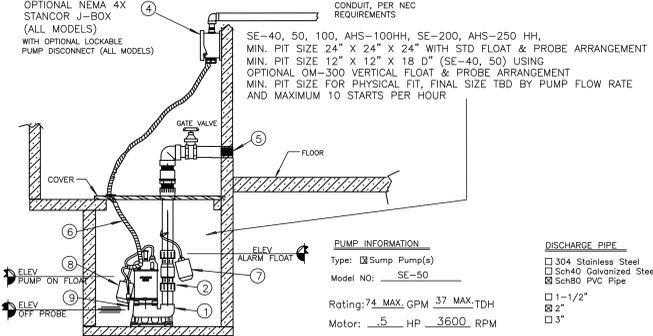
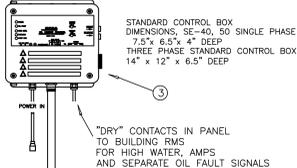
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SP-1	STANCOR	SE-50 O/M ELV	ELEVATOR PIT SUMP PUMP: HEAVY DUTY SUBMERSIBLE EFFLUENT PUMP, 0.5 HP, 115V/1PH, 50 GPM @ 20' TDH. SOLID STATE OIL MINDER CONTROL SYSTEM IN GASKETED NEMA 4X ENCLOSURE. 16' DIRECT WIRE CABLES FOR FLOATS, OIL MINDER PROBE AND POWER.
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- STANCOR MODEL SE-50 O/M ELV SUBMERSIBLE EFFLUENT PUMP 0.5 HP, 115 VOLT, 3600 RPM, 2" DISCHARGE CONNECTION (SHOWN AS EXAMPLE)
- CHECK VALVE (2')
- STANCOR OIL-MINDER 115V, 1Ø CONTROL SYSTEM WITH BUILT-IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR HIGH LIQUID OR HIGH AMPERAGE CONDITION. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL HAVE TWO CONTACTS FOR A REMOTE ALARM LOCATION (ONE EACH FOR OIL AND HIGH WATER OR AMPERAGE ALERT)
- JUNCTION BOX AVAILABLE AS A FACTORY OPTION WITH OR WITHOUT A LOCKABLE PUMP DISCONNECT SWITCH
- ALL BURIED PUMP PRESSURE DISCHARGE PIPING SHALL BE PROTECTED WITH TAPECOAT CT CORROSION PROTECTION TAPE
- PUMP CABLE, PROBE CABLE, HIGH LIQUID ALARM CABLE, AND PUMP "ON" FLOAT CABLE (16 FT. LENGTHS STANDARD)
- HIGH LIQUID ALARM FLOAT WITH CLAMP DEVICE TO MOUNT TO PUMP DISCHARGE PIPING
- PUMP ON FLOAT
- OIL SENSING PROBE

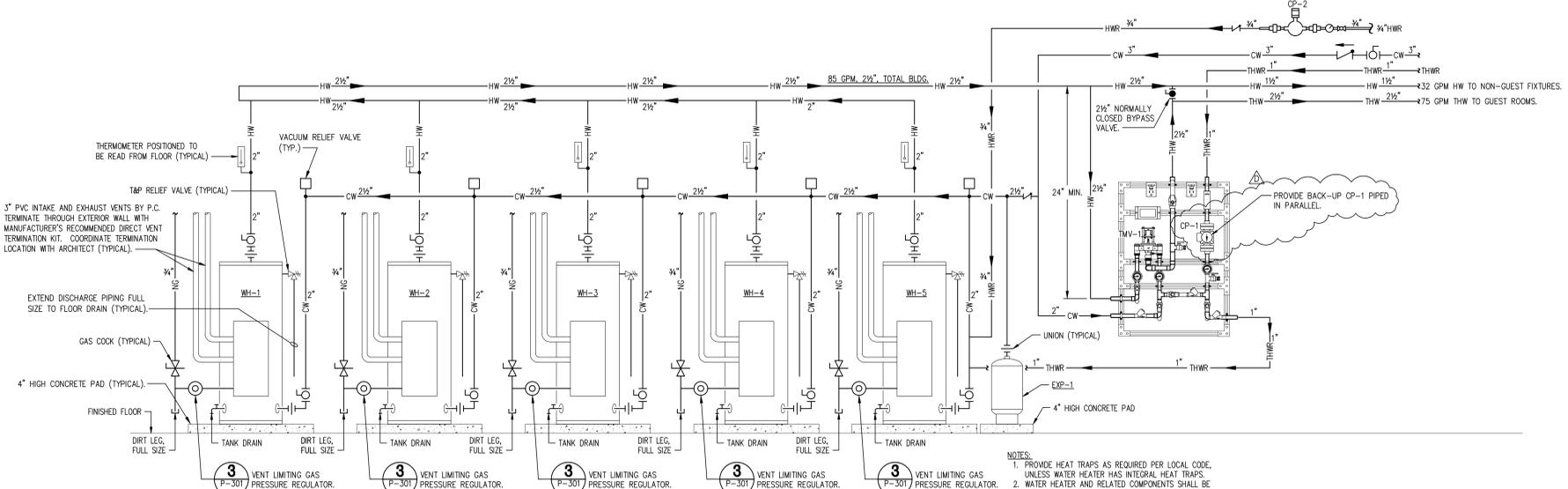
ITEMS 1, 3, 6, 7, 8 AND 9 PROVIDED BY STANCOR AS A STANDARD PACKAGE

STANCOR "JR" AND DIRECT WIRE ELEVATOR OIL-MINDER SYSTEMS



ESP ELEVATOR SUMP PUMP
P-301 SCALE: NONE

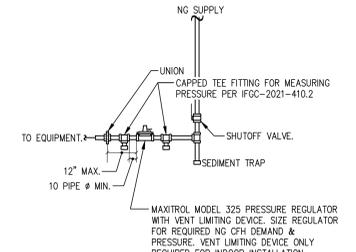
PUMP INFORMATION		DISCHARGE PIPE	
Type: <input checked="" type="checkbox"/> Sump Pump(s)		<input type="checkbox"/> 304 Stainless Steel	
Model No: SE-50		<input type="checkbox"/> Sch40 Galvanized Steel	
Rating: 74 MAX. GPM, 37 MAX. TDH		<input type="checkbox"/> Sch80 PVC Pipe	
Motor: .5 HP, 3600 RPM		<input type="checkbox"/> 1-1/2"	
Elec: 1 PH, 60 HZ, 115v		<input type="checkbox"/> 2"	
Elec: 8 FL AMPS		<input type="checkbox"/> 3"	



WH-1, WH-2, WH-3, WH-4, WH-5 GAS WATER HEATER SCHEMATIC
P-301 SCALE: NONE

- NOTES:
- PROVIDE HEAT TRAPS AS REQUIRED PER LOCAL CODE, UNLESS WATER HEATER HAS INTEGRAL HEAT TRAPS.
 - WATER HEATER AND RELATED COMPONENTS SHALL BE INSTALLED PER CODE AND MANUFACTURER'S INSTRUCTIONS.
 - PROVIDE NEUTRALIZATION KIT FOR CONDENSATE.

NOTE: PIPE WATER HEATERS IN PARALLEL AS SHOWN USING A REVERSE RETURN (1ST IN LAST OUT) CONFIGURATION.



3 TYP. GAS PRESSURE REGULATOR DETAIL
P-301 SCALE: NONE

PLUMBING LEGEND	
— CW —	COLD WATER
— CW —	COLD WATER BURIED
— HW —	140° HOT WATER
— 165HW —	165° HOT WATER
— THW —	125° TEMPERED HOT WATER
— HWR —	HOT WATER RETURN
— THWR —	TEMPERED HOT WATER RETURN
— SS —	SANITARY SEWER
— SS —	SANITARY SEWER BURIED OR BELOW FLOOR
— GW —	GREASE INTERCEPTOR WASTE
— —	SANITARY SEWER VENT
— NG —	NATURAL GAS
— PRDC —	PRIMARY ROOF DRAIN CONDUCTOR
— SRDC —	SECONDARY ROOF DRAIN CONDUCTOR
— C —	CONDENSATE DRAINAGE
— PD —	PUMPED DRAIN



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- Consultants:
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Taylor and Viola Structural Engineers
PO Box 2616
Hickory, NC 28603
828.328.6331
 - PLUMBING**
LWI Consulting Engineers
870 Cleveland St, STE 1D
Greenville, SC 29601
864.271.6535
 - MECHANICAL**
LWI Consulting Engineers
870 Cleveland St, STE 1D
Greenville, SC 29601
864.271.6535
 - ELECTRICAL**
Matrix Engineering, INC
912 S Pine Street
Spartanburg, SC 29302
864.583.6274

Project Title:
HOME 2 SUITES GREENWOOD SC
475 HOSPITALITY BLVD,
GREENWOOD, SC 29649



Revisions:

10.16.2024	Issue For Permit
A	03.20.2025
D	09.08.2025

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Phase:
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Date:
04.22.2024
Drawn By:
NSC
Checked By:
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Sheet Number:
P-301
Sheet Title:
ENLARGED PLUMBING PLANS & DETAILS

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PLUMBING FIXTURE SPECIFICATIONS - GUEST ROOMS

WC-1 WATER CLOSET		KOHLER PERSUADE COMFORT HEIGHT ELONGATED CLOSET	
K8365-0	KOHLER	K8365-0 KOHLER PERSUADE COMFORT HEIGHT ELONGATED CLOSET	
KR25781-A	KOHLER	K8365-0 KOHLER PERSUADE COMFORT HEIGHT ELONGATED CLOSET	
PFXP32C	PROFLO	K8365-0 KOHLER PERSUADE COMFORT HEIGHT ELONGATED CLOSET	
B112DLC	BRASSCRAFT	K8365-0 KOHLER PERSUADE COMFORT HEIGHT ELONGATED CLOSET	
PF7	PROFLO	K8365-0 KOHLER PERSUADE COMFORT HEIGHT ELONGATED CLOSET	
WC-2 WATER CLOSET		KOHLER 1.28"1.6 CL 6 ELONGATED CLOSET HIGHLINE	
K3969-0	KOHLER	K3969-0 KOHLER 1.28"1.6 CL 6 ELONGATED CLOSET HIGHLINE	
KR25781-A	KOHLER	K3969-0 KOHLER 1.28"1.6 CL 6 ELONGATED CLOSET HIGHLINE	
PFXP32C	PROFLO	K3969-0 KOHLER 1.28"1.6 CL 6 ELONGATED CLOSET HIGHLINE	
B112DLC	BRASSCRAFT	K3969-0 KOHLER 1.28"1.6 CL 6 ELONGATED CLOSET HIGHLINE	
PF7	PROFLO	K3969-0 KOHLER 1.28"1.6 CL 6 ELONGATED CLOSET HIGHLINE	
L-1 LAVATORY		KOHLER VERTICVL RECTANGLE UNDERCOUNTER LAVATORY	
K2882-0	KOHLER	K2882-0 KOHLER VERTICVL RECTANGLE UNDERCOUNTER LAVATORY	
M8190BN	MOEN	K2882-0 KOHLER VERTICVL RECTANGLE UNDERCOUNTER LAVATORY	
PF7	PROFLO	K2882-0 KOHLER VERTICVL RECTANGLE UNDERCOUNTER LAVATORY	
PFXP32C	BRASSCRAFT	K2882-0 KOHLER VERTICVL RECTANGLE UNDERCOUNTER LAVATORY	
B120AC	BRASSCRAFT	K2882-0 KOHLER VERTICVL RECTANGLE UNDERCOUNTER LAVATORY	
PF7	PROFLO	K2882-0 KOHLER VERTICVL RECTANGLE UNDERCOUNTER LAVATORY	
L-4 LAVATORY		MOEN ALIGN 11"11" STAND LAV, 1.2GPM, MPO, BN	
M8190BN	MOEN	M8190BN MOEN ALIGN 11"11" STAND LAV, 1.2GPM, MPO, BN	
PF7	PROFLO	M8190BN MOEN ALIGN 11"11" STAND LAV, 1.2GPM, MPO, BN	
PFXP32C	BRASSCRAFT	M8190BN MOEN ALIGN 11"11" STAND LAV, 1.2GPM, MPO, BN	
B120AC	BRASSCRAFT	M8190BN MOEN ALIGN 11"11" STAND LAV, 1.2GPM, MPO, BN	
PF7	PROFLO	M8190BN MOEN ALIGN 11"11" STAND LAV, 1.2GPM, MPO, BN	
S-1 SINK		MOEN 16X17-3/4 18 UC SS SINK "PLOMOSA	
M8190BN	MOEN	M8190BN MOEN 16X17-3/4 18 UC SS SINK "PLOMOSA	
PF7	PROFLO	M8190BN MOEN 16X17-3/4 18 UC SS SINK "PLOMOSA	
PFXP32C	BRASSCRAFT	M8190BN MOEN 16X17-3/4 18 UC SS SINK "PLOMOSA	
B120AC	BRASSCRAFT	M8190BN MOEN 16X17-3/4 18 UC SS SINK "PLOMOSA	
PF7	PROFLO	M8190BN MOEN 16X17-3/4 18 UC SS SINK "PLOMOSA	
S-2 SINK		MOEN 16X17-3/4 18 UC SS SINK "PLOMOSA	
M8190BN	MOEN	M8190BN MOEN 16X17-3/4 18 UC SS SINK "PLOMOSA	
PF7	PROFLO	M8190BN MOEN 16X17-3/4 18 UC SS SINK "PLOMOSA	
PFXP32C	BRASSCRAFT	M8190BN MOEN 16X17-3/4 18 UC SS SINK "PLOMOSA	
B120AC	BRASSCRAFT	M8190BN MOEN 16X17-3/4 18 UC SS SINK "PLOMOSA	
PF7	PROFLO	M8190BN MOEN 16X17-3/4 18 UC SS SINK "PLOMOSA	
BT-1 BATH TUB ADA		KOHLER BELLWE 01 BATH LH WHITE	
K837-0	KOHLER	K837-0 KOHLER BELLWE 01 BATH LH WHITE	
I82078	IPS CORP	K837-0 KOHLER BELLWE 01 BATH LH WHITE	
I82088	IPS CORP	K837-0 KOHLER BELLWE 01 BATH LH WHITE	
M82380	MOEN	K837-0 KOHLER BELLWE 01 BATH LH WHITE	
MT2192N-HBN	MOEN	K837-0 KOHLER BELLWE 01 BATH LH WHITE	
M3838BN	MOEN	K837-0 KOHLER BELLWE 01 BATH LH WHITE	
M3372	MOEN	K837-0 KOHLER BELLWE 01 BATH LH WHITE	
MT4192BN	MOEN	K837-0 KOHLER BELLWE 01 BATH LH WHITE	
MA725BN	MOEN	K837-0 KOHLER BELLWE 01 BATH LH WHITE	
M3589PBN	MOEN	K837-0 KOHLER BELLWE 01 BATH LH WHITE	
SH-1 SHOWER		KOHLER 60 X 34 LEFT HAND CAST IRON SHOWER BASE	
K9177-0	KOHLER	K9177-0 KOHLER 60 X 34 LEFT HAND CAST IRON SHOWER BASE	
K9132-BN	KOHLER	K9177-0 KOHLER 60 X 34 LEFT HAND CAST IRON SHOWER BASE	
M82380	MOEN	K9177-0 KOHLER 60 X 34 LEFT HAND CAST IRON SHOWER BASE	
MT2192N-HBN	MOEN	K9177-0 KOHLER 60 X 34 LEFT HAND CAST IRON SHOWER BASE	
M3838PBN	MOEN	K9177-0 KOHLER 60 X 34 LEFT HAND CAST IRON SHOWER BASE	
SH-2 SHOWER		MPL 34X80 TRENCH SHOWER PAN W/ 88 COVER	
MPL3480	MPL	MPL3480 MPL 34X80 TRENCH SHOWER PAN W/ 88 COVER	
M82380	MOEN	MPL3480 MPL 34X80 TRENCH SHOWER PAN W/ 88 COVER	
MT2192N-HBN	MOEN	MPL3480 MPL 34X80 TRENCH SHOWER PAN W/ 88 COVER	
M3838BN	MOEN	MPL3480 MPL 34X80 TRENCH SHOWER PAN W/ 88 COVER	
M3372	MOEN	MPL3480 MPL 34X80 TRENCH SHOWER PAN W/ 88 COVER	
MT4192BN	MOEN	MPL3480 MPL 34X80 TRENCH SHOWER PAN W/ 88 COVER	
MA725BN	MOEN	MPL3480 MPL 34X80 TRENCH SHOWER PAN W/ 88 COVER	
M3589PBN	MOEN	MPL3480 MPL 34X80 TRENCH SHOWER PAN W/ 88 COVER	
PPF800	PROFLO	MPL3480 MPL 34X80 TRENCH SHOWER PAN W/ 88 COVER	

PLUMBING FIXTURE SPECIFICATIONS - NON GUEST ROOMS

WC-3 WATER CLOSET		HIGHLINE ULTRA BOWL	
K88057-0	KOHLER	K88057-0 KOHLER HIGHLINE ULTRA BOWL	
ZZER8000AVS1T	ZURN	K88057-0 KOHLER HIGHLINE ULTRA BOWL	
M		K88057-0 KOHLER HIGHLINE ULTRA BOWL	
KR25781-A	KOHLER	K88057-0 KOHLER HIGHLINE ULTRA BOWL	
L-2 LAVATORY		KOHLER 22 X 18 ONE HOLE VITREOUS CHINA LAVATORY	
K2038-1-0	KOHLER	K2038-1-0 KOHLER 22 X 18 ONE HOLE VITREOUS CHINA LAVATORY	
M8190BN	MOEN	K2038-1-0 KOHLER 22 X 18 ONE HOLE VITREOUS CHINA LAVATORY	
PF7	PROFLO	K2038-1-0 KOHLER 22 X 18 ONE HOLE VITREOUS CHINA LAVATORY	
PFXP32C	BRASSCRAFT	K2038-1-0 KOHLER 22 X 18 ONE HOLE VITREOUS CHINA LAVATORY	
B120AC	BRASSCRAFT	K2038-1-0 KOHLER 22 X 18 ONE HOLE VITREOUS CHINA LAVATORY	
PF7	PROFLO	K2038-1-0 KOHLER 22 X 18 ONE HOLE VITREOUS CHINA LAVATORY	
LT-1 LAUNDRY TUB		MOEN DOUBLE FLOOR MOUNTING LAUNDRY TRAY	
M28F	MOEN	M28F MOEN DOUBLE FLOOR MOUNTING LAUNDRY TRAY	
PF7	PROFLO	M28F MOEN DOUBLE FLOOR MOUNTING LAUNDRY TRAY	
PFXP32C	BRASSCRAFT	M28F MOEN DOUBLE FLOOR MOUNTING LAUNDRY TRAY	
B120AC	BRASSCRAFT	M28F MOEN DOUBLE FLOOR MOUNTING LAUNDRY TRAY	
PF7	PROFLO	M28F MOEN DOUBLE FLOOR MOUNTING LAUNDRY TRAY	
S-3 SINK		MOEN 15 X 16 ONE HOLE 8.0 22 GAUGE STAINLESS	
M8190BN	MOEN	M8190BN MOEN 15 X 16 ONE HOLE 8.0 22 GAUGE STAINLESS	
PF7	PROFLO	M8190BN MOEN 15 X 16 ONE HOLE 8.0 22 GAUGE STAINLESS	
PFXP32C	BRASSCRAFT	M8190BN MOEN 15 X 16 ONE HOLE 8.0 22 GAUGE STAINLESS	
B120AC	BRASSCRAFT	M8190BN MOEN 15 X 16 ONE HOLE 8.0 22 GAUGE STAINLESS	
PF7	PROFLO	M8190BN MOEN 15 X 16 ONE HOLE 8.0 22 GAUGE STAINLESS	
EW-1 EMERGENCY EYEWASH		HAWES WALL MOUNT EMERGENCY EYE/FACE WASH W/	
H7380B7480B	HAWES	H7380B7480B HAWES WALL MOUNT EMERGENCY EYE/FACE WASH W/	
H8201EFE	HAWES	H7380B7480B HAWES WALL MOUNT EMERGENCY EYE/FACE WASH W/	
MB-1 MOP BASIN		PROFLO 24X34X10 MOP BASIN W/ DRAIN	
PFM8242	PROFLO	PFM8242 PROFLO 24X34X10 MOP BASIN W/ DRAIN	
T806859TR	T&S BRASS	PFM8242 PROFLO 24X34X10 MOP BASIN W/ DRAIN	
PF245	PROFLO	PFM8242 PROFLO 24X34X10 MOP BASIN W/ DRAIN	
PF298	PROFLO	PFM8242 PROFLO 24X34X10 MOP BASIN W/ DRAIN	
PF858E	PROFLO	PFM8242 PROFLO 24X34X10 MOP BASIN W/ DRAIN	
PFWQ245	PROFLO	PFM8242 PROFLO 24X34X10 MOP BASIN W/ DRAIN	

Provide WC-3 with open-front water closet seats with self-sustaining check hinges.

PLUMBING EQUIPMENT SCHEDULE

AAV AIR ADMITTANCE VALVE		STUDOR	
AAV	STUDOR	AAV AIR ADMITTANCE VALVE: SIZE & INSTALL PER CODE REQUIREMENTS & MANUFACTURER'S RECOMMENDATIONS.	
FD-1 FLOOR DRAIN <td colspan="2">ZURN FLOOR AND SHOWER DRAIN, D.C.C.I. BODY</td>		ZURN FLOOR AND SHOWER DRAIN, D.C.C.I. BODY	
Z2N153NLS0CP	ZURN	Z2N153NLS0CP ZURN FLOOR AND SHOWER DRAIN, D.C.C.I. BODY	
FD-2 FLOOR DRAIN <td colspan="2">ZURN 8" DIAMETER FLOOR DRAIN MEDIUM DEPTH, TYPE</td>		ZURN 8" DIAMETER FLOOR DRAIN MEDIUM DEPTH, TYPE	
Z217313NH	ZURN	Z217313NH ZURN 8" DIAMETER FLOOR DRAIN MEDIUM DEPTH, TYPE	
FD-3 FLOOR DRAIN <td colspan="2">ZURN 12" DIAMETER FLOOR DRAIN, TYPE 304 (CF8)</td>		ZURN 12" DIAMETER FLOOR DRAIN, TYPE 304 (CF8)	
Z217333IP	ZURN	Z217333IP ZURN 12" DIAMETER FLOOR DRAIN, TYPE 304 (CF8)	
FS-A FLOOR SINK <td colspan="2">ZURN 12" X 12" A.R.E. SANI-FLOOR RECEPTOR, 8" SUMP</td>		ZURN 12" X 12" A.R.E. SANI-FLOOR RECEPTOR, 8" SUMP	
Z2N1901SNL2KC	ZURN	Z2N1901SNL2KC ZURN 12" X 12" A.R.E. SANI-FLOOR RECEPTOR, 8" SUMP	
PRD - ROOF DRAIN <td colspan="2">ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY</td>		ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY	
Z2A1003NHDP	ZURN	Z2A1003NHDP ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY	
Z2A1004NHDP	ZURN	Z2A1004NHDP ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY	
Z2A1008NHDP	ZURN	Z2A1008NHDP ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY	
Z2A1008NHDP	ZURN	Z2A1008NHDP ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY	
Z2A1008NHDP	ZURN	Z2A1008NHDP ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY	
SRD - OVERFLOW DRAIN <td colspan="2">ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY</td>		ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY	
Z2A1003NHDP	ZURN	Z2A1003NHDP ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY	
Z2A1004NHDP	ZURN	Z2A1004NHDP ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY	
Z2A1008NHDP	ZURN	Z2A1008NHDP ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY	
Z2A1008NHDP	ZURN	Z2A1008NHDP ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY	
Z2A1008NHDP	ZURN	Z2A1008NHDP ZURN 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY	
DSN DOWNSPOUT <td colspan="2">ZURN ALL NICKEL BRONZE DOWNSPOUT NOZZLE &</td>		ZURN ALL NICKEL BRONZE DOWNSPOUT NOZZLE &	
Z2ANB1993NHSS	ZURN	Z2ANB1993NHSS ZURN ALL NICKEL BRONZE DOWNSPOUT NOZZLE &	
Z2ANB1994NHSS	ZURN	Z2ANB1994NHSS ZURN ALL NICKEL BRONZE DOWNSPOUT NOZZLE &	
Z2ANB1998NHSS	ZURN	Z2ANB1998NHSS ZURN ALL NICKEL BRONZE DOWNSPOUT NOZZLE &	
Z2ANB1998NHSS	ZURN	Z2ANB1998NHSS ZURN ALL NICKEL BRONZE DOWNSPOUT NOZZLE &	
Z2ANB1998NHSS	ZURN	Z2ANB1998NHSS ZURN ALL NICKEL BRONZE DOWNSPOUT NOZZLE &	
Z2ANB19910NHSS	ZURN	Z2ANB19910NHSS ZURN ALL NICKEL BRONZE DOWNSPOUT NOZZLE &	
Z2ANB19912NHSS	ZURN	Z2ANB19912NHSS ZURN ALL NICKEL BRONZE DOWNSPOUT NOZZLE &	
CO FLOOR CLEANOUT <td colspan="2">ZURN LEVEL-TROL HEAVY-DUTY ADJUSTABLE FLOOR</td>		ZURN LEVEL-TROL HEAVY-DUTY ADJUSTABLE FLOOR	
Z2N14004NL	ZURN	Z2N14004NL ZURN LEVEL-TROL HEAVY-DUTY ADJUSTABLE FLOOR	
WCO WALL CLEANOUT <td colspan="2">PROFLO 8 24 GA SS ACC CVR</td>		PROFLO 8 24 GA SS ACC CVR	
PF831U	PROFLO	PF831U PROFLO 8 24 GA SS ACC CVR	
GCO GRADE CLEANOUT <td colspan="2">ZURN LEVEL-TROL HEAVY-DUTY ADJUSTABLE FLOOR</td>		ZURN LEVEL-TROL HEAVY-DUTY ADJUSTABLE FLOOR	
Z2N14004NL	ZURN	Z2N14004NL ZURN LEVEL-TROL HEAVY-DUTY ADJUSTABLE FLOOR	
BFP-1 BACKFLOW PREVENTER <td colspan="2">WATTS VERIFY SIZE</td>		WATTS VERIFY SIZE	
WLF909NR8M	WATTS	WLF909NR8M WATTS VERIFY SIZE	
W909AGF	WATTS	W909AGF WATTS VERIFY SIZE	
BFP-2 BACKFLOW PREVENTER <td colspan="2">WATTS 3/8 SS DUAL CHECK VALVE</td>		WATTS 3/8 SS DUAL CHECK VALVE	
WSD3MFC	WATTS	WSD3MFC WATTS 3/8 SS DUAL CHECK VALVE	
BFP-3 BACKFLOW PREVENTER <td colspan="2">WATTS LEAD LAW COMPLIANT 1/2 FPT DU CHECK</td>		WATTS LEAD LAW COMPLIANT 1/2 FPT DU CHECK	
WLF7R22D	WATTS	WLF7R22D WATTS LEAD LAW COMPLIANT 1/2 FPT DU CHECK	
HB-1 HOSE BIBB <td colspan="2">PRIER 3/4 ANGLE SILLCOCK FAUCET 5N</td>		PRIER 3/4 ANGLE SILLCOCK FAUCET 5N	
PC165NP76	PRIER	PC165NP76 PRIER 3/4 ANGLE SILLCOCK FAUCET 5N	
HB-2 HOSE BIBB <td colspan="2">PRIER 1/2 LOOSE KEY ANGLE SILLCOCK FAUCET C</td>		PRIER 1/2 LOOSE KEY ANGLE SILLCOCK FAUCET C	
PC285CP80	PRIER	PC285CP80 PRIER 1/2 LOOSE KEY ANGLE SILLCOCK FAUCET C	

WH-1, 2, 3, 4, 5 WATER HTR
RCHS199100QUIN RINNAI COMMERCIAL HYBRID, INTERNAL, MAX BTU 199,000, 119 GAL., FIRST HOUR RATING: 315 GPH

WH-6-T
NPE-240A NAVIEN TANKLESS, NATURAL-GAS, 199,900 BTUH INPUT, 50 GPM FLOW RATE AT 13.0 GPM, PRESSURE RELIEF VALVE, COMMUNICATION CABLE, BET HOT WATER TO 165 DEGREE F, CONDENSATE NEUTRALIZER

TMV-1 MASTER MIXING VALVE
M-PNV-125-LF LEONARD DIGITAL TEMPERATURE CONTROL STATION

CP-1 RECIRC PUMP
2400-508-3P TACO HIGH CAPACITY CIRCULATOR PUMP: 1/2 HP AT 3480 RPM, 115V/1PH/60Hz, 4.9 AMPS. CIRCULATOR TO OPERATE CONTINUOUSLY, 8 GPM AT 40 FEET.

CP-2 RECIRC PUMP
009 TACO CIRCULATOR PUMP: 1/8 HP AT 3250 RPM, 115V/1PH/60Hz, 1.4 AMPS. CIRCULATOR TO OPERATE CONTINUOUSLY, 0-10 GPM AT 0-35 FEET.

LI-1 LINT INTERCEPTOR
ZURN 30 GPM LINT INTERCEPTOR, ACID RESISTANT COATED FABRICATED STEEL

BP-1 BOOSTER PUMP
HYFAB MYP30208 HYFAB PRESSURE BOOSTER, DUPLEX 3 HP BOOSTER, 208/240, 4 IN. STAINLESS STEEL GROOVED HEADERS

PLUMBING SPECIFICATIONS:

PIPING MATERIALS:
POTABLE WATER:
TAKE-OFF FROM ISOLATION VALVE AT CORRIDOR AND DISTRIBUTION AT EACH GUEST ROOM:
SDRS CROSS LINKED POLYETHYLENE (PEX-A); DISTRIBUTION SYSTEM SHALL BE MANUFACTURED USING THE ENGEL METHOD (PEX-A) 70-89% CROSS-LINKING; ASTM F876, ASTM F877, MINIMUM MATERIAL DESIGNATION PEX 5106 (CL5), MARKED NSF-PW, 3/4" - 2" MANUFACTURED JOINTS SHALL BE ASTM F1960 COLD-EXPANSION, 200 CLASS-FILLED POLYURETHANE ASTM D6394. REINFORCING COLD-EXPANSION FINISH SHALL BE FROM SAME SOURCE AS PEX-A PIPING AND MARKED F1960, FITTINGS MARKED NSF-PW. INSTALLING CONTRACTOR TO BE FACTORY CERTIFIED FOR INSTALLING OF PIPE AND FITTINGS TO CORRESPOND WITH MANUFACTURER'S WARRANTY.

COPPER PIPE: SHALL BE ASTM B 88 HARD DRAWN TEMPER COPPER, TYPE L OR K. FITTINGS SHALL BE ANSI B 16.22, WROUGHT COPPER, SOLDER JOINT OR VEGA ProPress - PRESS CONNECT FITTINGS WITH EPDM SEALING ELEMENT AND SMART CONNECT (SC) TECHNOLOGY. FOR SOLDER JOINTS, JOINTS SHALL BE MADE USING NON-CORROSIVE FLUX AND SOLDER COMPOUND MEETING NSF REQUIREMENTS FOR USE ON POTABLE WATER PIPING. PIPE ENDS SHALL BE CUT SQUARE AND CLEANED TO A BRIGHT METAL FINISH BEFORE SOLDERING. FOR UNDERGROUND APPLICATIONS, ASTM B 88 SOFT ANNEALED TEMPER COPPER, TYPE L OR K IS ACCEPTABLE.

HORIZONTAL BRANCH LINES & DISTRIBUTION RISERS IN CORRIDORS:
CPVC: FOR PRESSURE APPLICATIONS WHERE THE OPERATING TEMPERATURE WILL NOT EXCEED 180°F AT 80 PSI. SCHEDULE 80 CPVC PIPE AND FITTINGS. COPPER TUBE SIZE (CTS) CPVC STANDARD DIMENSIONAL RATIO (SDR 11). THE PIPE COMPOUND SHALL MEET CELL CLASS 23448 AND THE FITTING COMPOUND SHALL MEET CELL CLASS 23447 AS DEFINED BY ASTM D1784. PIPE AND FITTINGS SHALL MEET ASTM D2845. SOCKET JOINTS SHALL BE SCHEDULE 80 AND ASSEMBLED EMPLOYING SOLVENT CEMENT THAT MEETS ASTM F493. PIPE SUPPORT SPACING, BRACING, ALLOWANCE FOR THERMAL EXPANSION/CONTRACTION, SOLVENT CEMENTING AND HANDLING AND STORAGE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

AFTER SYSTEM IS INSTALLED AND ANY SOLVENT CEMENT IS CURED THE SYSTEM SHALL BE HYDROSTATICALLY TESTED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE REQUIREMENTS OF THE APPLICABLE PLUMBING OR MECHANICAL CODE BEFORE COVERING WITH INSULATION, WALLS OR SOIL. THE PIPE SHALL REMAIN WATER TIGHT FOR AT LEAST 24 HOURS.

MECHANICAL ROOM 026:
COPPER PIPE: SHALL BE ASTM B 88 HARD DRAWN TEMPER COPPER, TYPE L OR K. FITTINGS SHALL BE ANSI B 16.22, WROUGHT COPPER, SOLDER JOINT OR VEGA ProPress - PRESS CONNECT FITTINGS WITH EPDM SEALING ELEMENT AND SMART CONNECT (SC) TECHNOLOGY. FOR SOLDER JOINTS, JOINTS SHALL BE MADE USING NON-CORROSIVE FLUX AND SOLDER COMPOUND MEETING NSF REQUIREMENTS FOR USE ON POTABLE WATER PIPING. PIPE ENDS SHALL BE CUT SQUARE AND CLEANED TO A BRIGHT METAL FINISH BEFORE SOLDERING. FOR UNDERGROUND APPLICATIONS, ASTM B 88 SOFT ANNEALED TEMPER COPPER, TYPE L OR K IS ACCEPTABLE.

PIPE INSULATION:
ALL PRESSURE TESTING SHALL BE COMPLETED BEFORE PIPING CAN BE INSULATED. ALL COLD AND HOT WATER PIPING OVERHEAD IN LOWER LEVEL OR ROUTED ABOVE CEILING IN LOWER LEVEL SHALL BE INSULATED. COLD WATER SHALL BE 1/2" THICK, HOT WATER AND CIRCULATED HOT WATER SHALL BE 1" THICK ARMAFLEX INSULATION AS MANUFACTURED BY ARMAFLEX, LLC. ALL JOINTS AND SEAMS SHALL BE COMPLETELY SEALED WITH THE MANUFACTURER'S RECOMMENDED ADHESIVE TO PREVENT HEAT TRANSFER AND CONDENSATION.

SANITARY SEWER WASTE AND VENT ABOVE GROUND:
SCHEDULE 40 PVC DRAIN, WASTE AND VENT (DWV) PIPE AND FITTINGS: ASTM D-2665 WITH SOLVENT CEMENT JOINTS INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PIPE AND FITTINGS SHALL BE MANUFACTURED AS A SYSTEM AND SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER. BURIED PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D 2321 AND ASTM F 1669.

SANITARY SEWER WASTE AND VENT BELOW GROUND:
SCHEDULE 40 PVC DRAIN, WASTE AND VENT (DWV) PIPE AND FITTINGS, ASTM D-2665 WITH SOLVENT CEMENT JOINTS INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PIPE AND FITTINGS SHALL BE MANUFACTURED AS A SYSTEM AND SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER. BURIED PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D 2321 AND ASTM F 1669.

SANITARY SEWER WASTE AND VENT IN PLENUM SPACES:
HUB AND SPOOT CAST IRON: JOINTS SHALL BE MADE USING A COMPRESSION GASKET MANUFACTURED FROM AN ELASTOMER MEETING THE REQUIREMENTS OF ASTM C 564.
HUBLESS CAST IRON: JOINTS SHALL BE HEAVY DUTY CONFORMING TO ASTM C-1540, WITH HEAVY DUTY TYPE 304 STAINLESS STEEL SHIELDED COUPLINGS WITH CORRUGATED STAINLESS STEEL SLEEVES OF NOT LESS THAN .016" THICKNESS. STAINLESS STEEL BANDS HAVING 4 SEALING CLAMPS FOR PIPE SIZES 1-1/2" THRU 4" AND 6 SEALING CLAMPS FOR PIPE SIZES 5" THRU 10" INSTALLED WITH A PRE-SET TORQUE WRENCH CALIBRATED AT 80 INCH POUNDS, AND ASTM C-564, RUBBER SLEEVE.

GAS PIPING: GAS PIPING SHALL BE BLACK STEEL, ASTM A-120, STANDARD WEIGHT WITH THREADED ENDS. FITTINGS SHALL BE 150 LB. MALLEABLE IRON WITH THREADED CONNECTIONS.

ROOF DRAIN CONDUCTOR:
HUB AND SPOOT CAST IRON: JOINTS SHALL BE MADE USING A COMPRESSION GASKET MANUFACTURED FROM AN ELASTOMER MEETING THE REQUIREMENTS OF ASTM C 564.
HUBLESS CAST IRON: JOINTS SHALL BE MADE USING STANDARD DUTY, SHIELDED, STAINLESS-STEEL COUPLINGS CONFORMING TO CSP-310 AND ASTM C 1277 AND BEAR THE NSF TRADEMARK; WITH STAINLESS-STEEL BI-DIRECTIONAL CORRUGATED SLEEVES, STAINLESS-STEEL BANDS AND TIGHTENING DEVICES, AND ASTM C-564, RUBBER SLEEVE.

ROOF DRAIN CONDUCTOR INSULATION: ALL HORIZONTAL ROOF DRAIN CONDUCTORS AND THE VERTICAL SECTION CONNECTED TO THE ROOF DRAIN SHALL BE INSULATED WITH FIBERGLASS PIPE INSULATION WITH ALL-SERVICE JACKET. ROOF DRAIN CONDUCTOR INSULATION SHALL BE 1/2" THICK WITH VAPOR BARRIER VAPOR BARRIER AT JOINTS SHALL BE MAINTAINED BY MEANS OF MASTIC AND TAPE. FLAME SPREAD AND SMOKE-DEVELOPED INDEXES SHALL NOT EXCEED 25/50.

TRAP GUARDS: TRAP GUARDS SHALL BE INSTALLED ON ALL FLOOR / EQUIPMENT DRAINS SUBJECT TO EVAPORATOR PER THE SOUTH CAROLINA PLUMBING CODE, 2021 EDITION TO MAINTAIN A WATER SEAL ON THE TRAP.

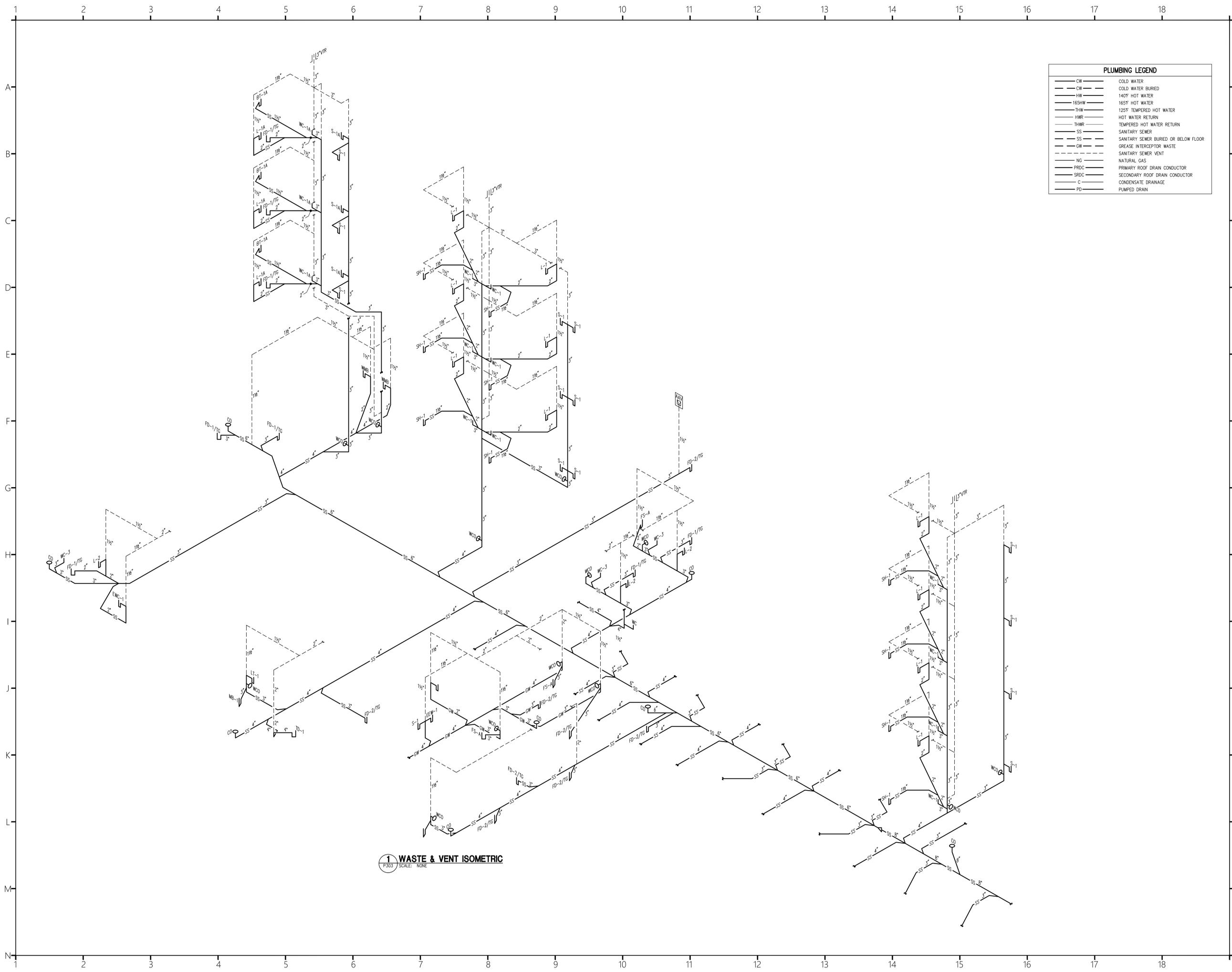
PIPE GRADING:
ALL SANITARY DRAIN PIPING SHALL BE RUN AT A UNIFORM SLOPE OF NOT LESS THAN 1/4" PER FOOT (2% SLOPE) FOR 2" AND SMALLER AND NOT LESS THAN 1/8" PER FOOT (1% SLOPE) FOR 3" TO 6". DRAINAGE PIPING UPSTREAM OF A GRADE INTERCEPTOR SHALL BE NOT LESS THAN 1/4" PER FOOT (2% SLOPE). INVERTS SHALL BE CHECKED AT ALL STARTING POINTS AND POINTS LEAVING THE BUILDING PRIOR TO STARTING WORK.

PIPE PROTECTION:
PIPES PASSING THROUGH FOUNDATION WALLS SHALL BE PROVIDED WITH A RELIEVING ARCH, OR A PIPE SLEEVE PIPE SHALL BE BUILT INTO THE FOUNDATION WALL. THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL. THE ANNULAR SPACE BETWEEN THE PIPE SLEEVE AND PIPE PASSING THROUGH THE SLEEVE SHALL BE SEALED WITH AN APPROVED WATER TIGHT SEALANT.

DISINFECTION & STERILIZATION:
THE COMPLETE WATER SUPPLY PIPING SYSTEM SHALL BE PURGED AND DISINFECTED, BEGINNING AT THE METER CONNECTION, IN ACCORDANCE WITH THE APPLICABLE PARAGRAPHS OF AWWA C651 OR C652, "STANDARD PROCEDURE FOR DISINFECTION OF WATER LINES" OR SECTION 610 IN THE 2021 SOUTH CAROLINA PLUMBING CODE, WHICHEVER IS MORE STRINGENT. THE SYSTEM SHALL BE PURGED OF DELETERIOUS WATER AND DISINFECTED PRIOR TO UTILIZATION. THE SYSTEM SHALL BE COMPLETELY FLUSHED OUT WITH CLEAN, POTABLE WATER FOLLOWING PURGING AND DISINFECTION. FOLLOW GUIDELINES IN THIS SECTION AND PROVIDE THE PLUMBING INSPECTOR WITH A COPY OF A THIRD PARTY BACTERIOLOGICAL REPORT. THIS MUST OCCUR BEFORE A C.O. CAN BE ISSUED.



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PLUMBING LEGEND	
---	CW COLD WATER
---	CW COLD WATER BURIED
---	HW 140°F HOT WATER
---	165HW 165°F HOT WATER
---	THW 125°F TEMPERED HOT WATER
---	HW 165°F HOT WATER
---	THWR TEMPERED HOT WATER RETURN
---	SS SANITARY SEWER
---	SS SANITARY SEWER BURIED OR BELOW FLOOR
---	GW GREASE INTERCEPTOR WASTE
---	SS SANITARY SEWER VENT
---	NG NATURAL GAS
---	FRDC PRIMARY ROOF DRAIN CONDUCTOR
---	SRDC SECONDARY ROOF DRAIN CONDUCTOR
---	C CONDENSATE DRAINAGE
---	PD PUMPED DRAIN

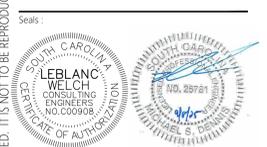
1 WASTE & VENT ISOMETRIC
 P-303 SCALE: NONE



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Revisions:
 10.16.2024 Issue For Permit
 A 03.20.2025 100% Issue For Hilton
 D 09.08.2025 Client Comments

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 Phase:
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 NSC
 Checked By:
 LWI
 Sheet Number:
P-303
 Sheet Title:
 PLUMBING WASTE & VENT
 ISOMETRIC

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