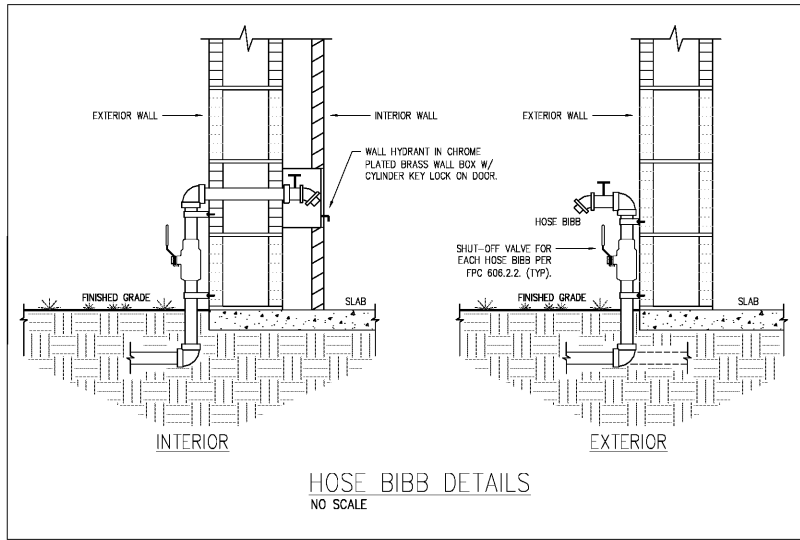


PLUMBING SPECIFICATIONS & PRODUCTS		
WASTE & VENT PIPING		
Location	Specification Class	Manufacturer & Model
Underground	Industry Standard	Schedule 40 PVC
Amenity Area & Roof		
Stacks	Industry Standard	Schedule 40 PVC
Under floor slab trap & arm	Industry Standard	Schedule 40 PVC
Above floor slab exposed cabinet trap & arm	Industry Standard	Chrome-plated brass
Above floor slab concealed trap & arm	Industry Standard	Schedule 40 PVC
DRAINAGE PIPING		
Underground	Industry Standard	Schedule 40 PVC
Amenity Area & Roof	Industry Standard	Schedule 40 PVC
Above ground	Industry Standard	Schedule 40 PVC; 1" Armaflex insulation for RWL & condensate
WATER PIPING		
Outside Building		
Underground	Industry Standard	Schedule 40 PVC; 36" minimum cover
Above grade	Industry Standard	Type L Copper
Amenity Area & Roof		
Risers	Industry Standard	Schedule 40 CPVC
Hot & cold 1"	Industry Standard	Schedule 40 CPVC
Hot & cold 3/4" and smaller	Industry Standard	Schedule 40 CPVC; Sioux Chief copper terminations
Hot 3/4" and smaller circulating	Industry Standard	Schedule 40 CPVC; Sioux Chief copper terminations; 1/2" InsulTube insulation
Hot & cold within or under slab	Industry Standard	PEX tube, each run in individual schedule 40 PVC electrical conduit 2 times pipe size; Sioux Chief copper terminations



**SPECIFICATION SUBMITTAL SHEET**

**WATER-TITE PLASTIC ICE MAKER WALL BOXES**

**Specifications:**  
Furnish and install ice maker outlet box with integral lead-in under arrester quarter turn valve. Unit shall be Water-Tite product code as manufactured by IPS Corporation. Valves comply with ASME A112.19.1. Hammer arresters comply with ASSE 1010.

Item	Product Description	Model #	Quantity
8772	Brass Lead Free Qtr Turn Valve w/Arrester Installed - 1/2" Sweat Conn.	AB9700HA	10
8773	Brass Lead Free Qtr Turn Valve w/Arrester Installed - 1/2" CPVC Conn.	AB9701HA	10
8774	Brass Lead Free Qtr Turn Valve w/Arrester Installed - 1/2" PEX	AB9702HA	10
8775	Brass Lead Free Qtr Turn Valve w/Arrester Installed - 1/2" Wirsbo®	AB9711HA	10
8776	Brass Lead Free Qtr Turn Valve w/Arrester Installed - 1/2" Wirsbo®	AB9711HACP	20
8777	Brass Lead Free Qtr Turn Valve w/Arrester Installed - 1/2" CPVC Conn.	AB9701HACP	20
8778	Brass Lead Free Qtr Turn Valve w/Arrester Installed - 1/2" PEX	AB9702HACP	20
8779	Brass Lead Free Qtr Turn Valve w/Arrester Installed - 1/2" Wirsbo®	AB9711HACP	20

**IPS CORPORATION**  
500 Distribution Parkway, Collierville, TN 38017, USA ■ TEL: 601-888-8312 ■ FAX: 901-853-6006 ■ www.ipscorp.com

PLUMBING SPECIFICATIONS & PRODUCTS									
SPECIFICATIONS									
<b>EXISTING CONDITIONS</b>		<b>AESTHETIC ADJUSTMENT</b>							
The Contractor shall fully coordinate with all existing conditions within 30 days of start of construction and advise if changes to the Construction Documents are required. Such changes identified as necessary after this time period shall be provided at no additional cost to the Owner.		Prior to acceptance of the final rough-in, any device may be relocated by the Owner up to 72" in any direction without additional cost.							
<b>COMPLETE SYSTEMS</b>		<b>PRODUCTS</b>							
The Contractor shall provide complete and fully functional Plumbing systems. Products on the Construction Documents but deemed necessary shall be brought to the Owner's attention within 30 days of start of construction. Products deemed necessary after this time period shall be provided at no additional cost to the Owner.		A Products are listed by manufacture and model (or series) number. The manufacturer's specifications of construction and materials, installation instructions and operating instructions for this specific product listed are included in full as part of this specification.							
<b>CODE COMPLIANCE</b>		<b>SUBMITTAL REVIEW</b>							
The Engineer of Record affirms that Construction Documents are in full compliance with all applicable laws, codes, ordinances, regulations and historical interpretations rendered thereof. Florida Statutes require the authorities having jurisdiction to fully review and require changes to the Construction Documents necessary to achieve compliance prior to issuance of the Construction Permit for. The Engineer of Record is not responsible for costs incurred for changes in the Work deemed for compliance after the issuance of the Construction Permit.		1 Products are classified as "Basis-of-Design", "Equivalent" or "Industry Standard". 2 "Basis-of-Design" indicates that the system design changes use characteristics of a specific manufacturer's product. A similar product from a different manufacturer may be considered However, re-engineering work necessary for re-engineering costs shall be paid by the Contractor. Submittal of complete product engineering data and manufacturer's installation instructions does not depend upon a specific manufacturer's product. An equivalent product from a different manufacturer may be employed. Submittal of complete product engineering data and manufacturer's installation instructions is required. 3 "Equivalent" indicates that the system design does not depend upon a specific manufacturer's product. An equivalent product from a different manufacturer may be employed. Submittal of complete product engineering data and manufacturer's installation instructions is required. 4 "Industry Standard" indicates the product is commonly used within the trade. Equivalent products of other manufacturers may be used. Submittal data is not required. 5 Provide manufacturer's maintenance and operation instructions for each product.							
<b>SUPERVISION</b>									
The Contractor shall provide a Plumbing Superintendent who is not an employee of any sub-contractor. This Superintendent shall be sufficiently competent in the plumbing trade to properly direct the plumbing work, including but not limited to review of shop drawings and submittals, aspects of coordination, direction of adjustments required in fitting of the work, identification of incorrect work and direction required for correction of incorrect work.									
FIXTURES									
Mark	Description	Supply	Specification Class						
		H	C						
BSS	Bar sink	1/2	1/2						
EWV	Electric water valve - dual wall mount ADA	1/2	1/2						
FB	Freeze Protection	3/4	Industry Standard						
IM	Ice maker wall box	1/2	Industry Standard						
KS	Kitchen sink	1/2	Equivalent						
LAV	Lavatory - wall mount	1/2	1/2						
LS	Utility sink	1/2	1/2						
WC	Water closet - tank ADA	3/4	Equivalent						
WH	Wall hydrant	1/2	Industry Standard						
DRAINAGE									
Mark	Description	Specification Class	Manufacturer & Model						
CO	Sanitary cleanout	Industry Standard	Mifab C1000; Mifab C1450; PVC in planted areas; stainless steel in concrete; rough bronze in paved areas						
FD	3" thru 6" floor drain	Equivalent	Mifab F1000; stainless steel top; 4" deep seal trap						
	4" PVC backwater valve	Equivalent	Cotey #43504						
EQUIPMENT									
Mark	Description	Supply	Specification Class	Manufacturer & Model	Nat. Gas (BTUH)	Electrical (volts)	MCA	MDP	
		H	C						
	Yard valve and box with hinged lid		Industry Standard	Phino MB-16 box; Nitco T-133 gate valve (domestic water)					
	Floor drain trap seal primer	1/2	Equivalent	Watts Series LFTP300; install with sediment trap					
	Insta-hot instantaneous water heating unit	1/2	1/2	Eemax #SP2412; 0.5 GPM; 2.4 Kw	120V	20	20		
	Lavatory water temperature limiting device	1/2	1/2	Equivalent	Watts USGB-8 Under Sink; Guardian	120V	20	20	
Provide the following items and options:									
1 WC - Stop valve and metal riser tube in color to match lavatory trim;									
2 Eliminate electrical contact between components of dissimilar metals.									
3 4" concrete housekeeping pads for all floor mounted equipment.									
4 Access panels for all items requiring service or maintenance - finish to be selected by architect.									
5 Paint all accessible pipe, valves hangers and accessories per architectural specifications - colors selected by architect.									
6 Locate additional stop valves in adjacent cabinet for undercounter units.									

ABBREVIATION SCHEDULE	
Mark	Description
AAV	Air admittance valve
AHU	Air handler unit
BTUH	British thermal units per hour
CD	Condensate drain
CW	Cold water
DFU	Domestic fixture units
DN	Down
DW	Domestic water
EHD	Equivalent hydraulic diameter
FA	From above
FB	From below
FU	Fixture units
GPM	Gallons per minute
HW	Hot water
INV. EL.	Invert elevation
PSI	Pounds per square inch
SF	Square feet
SDN	Sanitary drainage down
SFA	Sanitary drainage from above
SFU	Sanitary fixture units
T&PR	Temperature & pressure relief
TYP	Typical
UP	Up
VS	Vent stack
VTR	Vent through roof

PLUMBING SHEET INDEX			
13-118	Sheet No.	Sheet Title	Scale
P1.1		Plumbing Schedules & Details	No Scale
P1.2		Amenity Building #2 Plumbing Plan	1/4"=1'-0"

Order Plans

