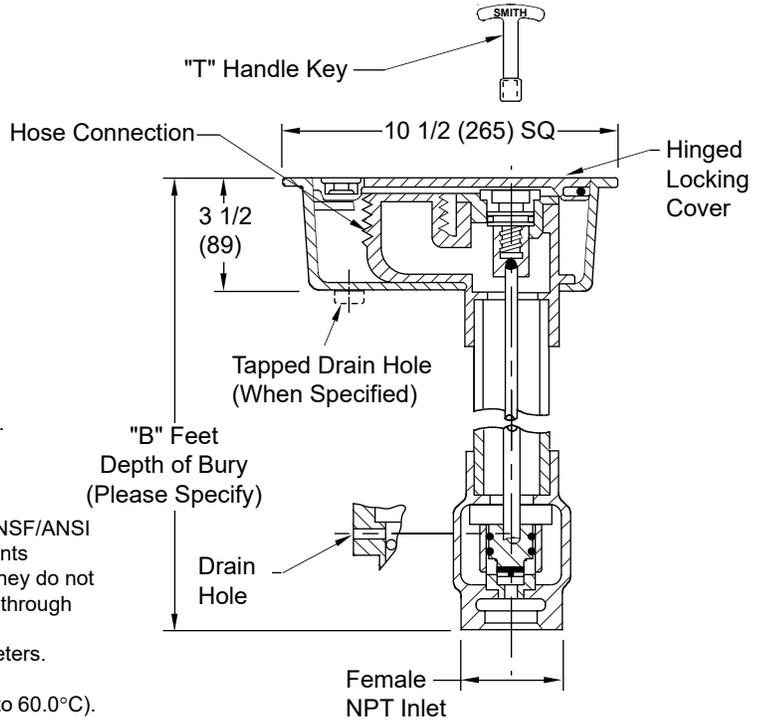
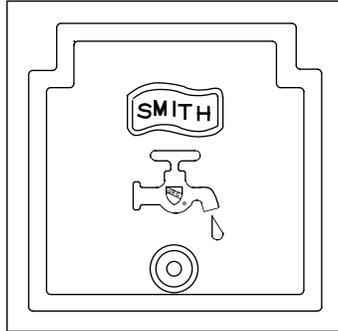


# NON-FREEZE GROUND HYDRANT

1 1/4 (32), 1 1/2 (38) or 2" (51) CONNECTIONS



- NOTES:**
1. Recommended Box-out 9 1/2(240) x 9 1/2(240).
  2. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
  3. The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61 - Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
  4. Dimensions shown in parentheses are in millimeters.
  5. **FOR IRRIGATION PURPOSES ONLY.**
  6. Temperature Range: 33.0°F to 140.0°F (0.6°C to 60.0°C).

B(Depth of Bury) = 02(610), 03(915), 04(1220), 05(1525), 06(1830), 07(2135) or 08(2438) Feet

Fig. 5812 . . . 1 1/4" (32)  
 Fig. 5813 . . . 1 1/2" (38)  
 Fig. 5814 . . . 2" (51) } INLET AND HOSE CONNECTIONS

**REGULARLY FURNISHED:**

Bronze Non-Freeze Ground Hydrant with "T" Handle Key and Cast Iron Hydrant Box Inlet and Hose Connection. Size Furnished as Indicated by Figure Number Selected.

**VARIATIONS:**

- 1/8" (3) NPT Drain Hole in Box -N
- 1/8" (3) NPT Drain Hole in Valve Housing -NV
- "Water" Cast on Cover -W

**OPTIONAL MATERIALS:**

- Nickel Bronze Box -NB
- Polished Bronze Box -PB
- Rough Bronze Box -RB

## TECHNICAL DATA

Non-Freeze Ground Hydrants are supplied with a special valve housing which prevents freezing of hydrant during non-use periods. The valve housing must be installed below the frost line which prevails for the area of installation. The valve housing has a drain hole which drains the casing when the hydrant is shut off. In effect, there is no water in the casing during non-use periods. Since water from the drain hole is normally allowed to drain into the ground, the valve housing should be set in a bed of gravel. Water drained from the casing can then seep into the ground.

Some locations which require Non-Freeze Ground Hydrants cannot tolerate water draining from the drain hole. Examples are parking garages, plazas and roof decks used for recreational purposes. Often in these types of applications the valve housing will protrude into a finished area which is not subject to freezing temperatures. To eliminate the problem of water drainage in this type of installation, Smith can supply a tapped drain hole in the hydrant box and a tapped drain hole in the valve housing. Through these tapped drain holes, water accumulation in the box and the water from the valve housing drain hole can be piped to a suitable drain.

DRAWING NUMBER S5812  
 SIZE A  
 SCALE: NONE  
 DATE: 12-8-88  
 APPROVED BY: CR  
 CHECKED BY: CR  
 DRAWN BY: WAS  
 FIGURE NUMBER 5812, 5813, 5814  
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE  
 WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
							<b>5812, 5813, 5814</b>

**PARTS LIST WITH MAINTENANCE INSTRUCTIONS**

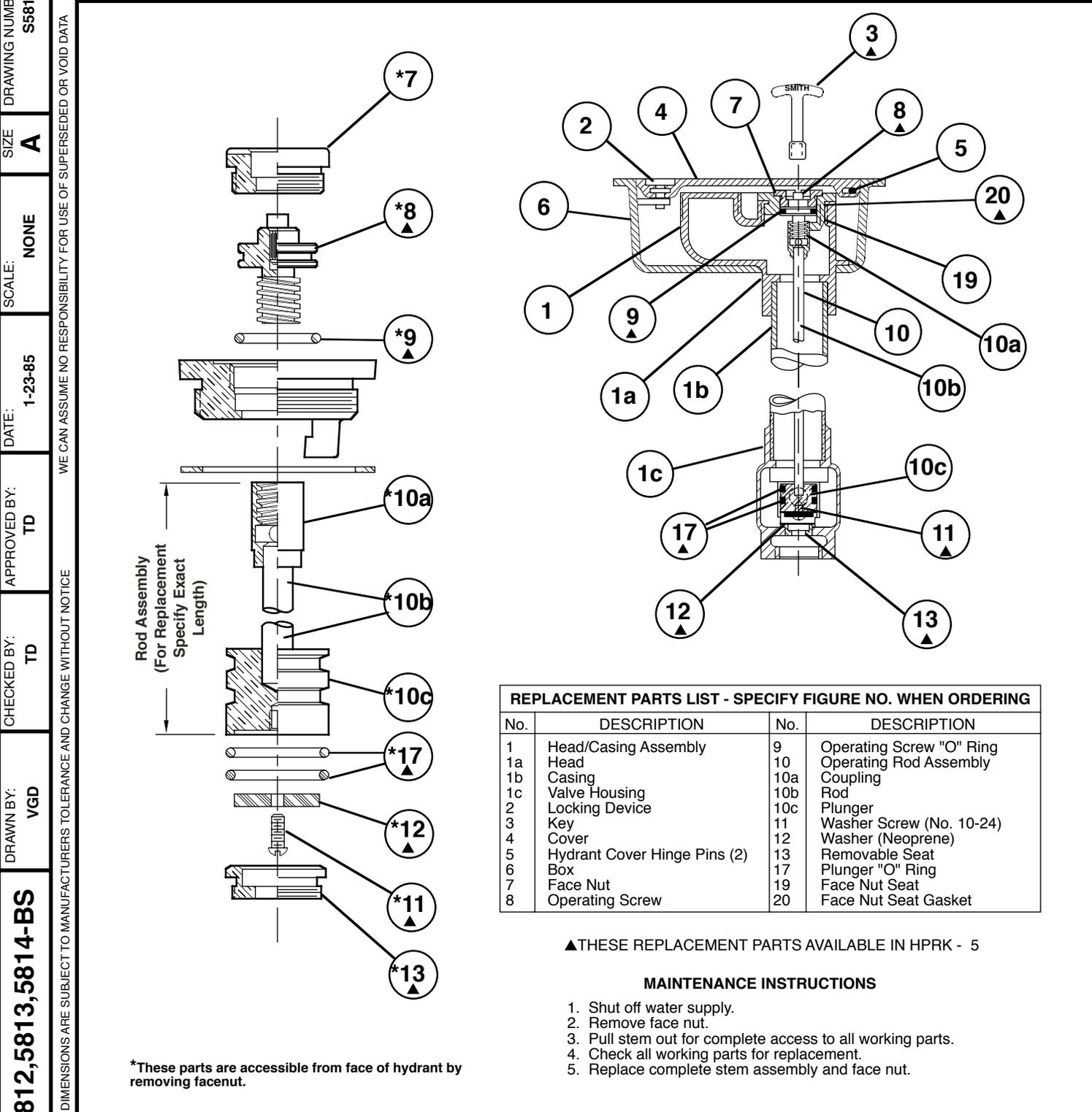


FIGURE NUMBER: **5812,5813,5814-BS**  
 DRAWING NUMBER: **S5812BS**  
 SIZE: **A**  
 SCALE: **NONE**  
 DATE: **1-23-85**  
 APPROVED BY: **TD**  
 CHECKED BY: **TD**  
 DRAWN BY: **VGD**

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

REPLACEMENT PARTS LIST - SPECIFY FIGURE NO. WHEN ORDERING			
No.	DESCRIPTION	No.	DESCRIPTION
1	Head/Casing Assembly	9	Operating Screw "O" Ring
1a	Head	10	Operating Rod Assembly
1b	Casing	10a	Coupling
1c	Valve Housing	10b	Rod
2	Locking Device	10c	Plunger
3	Key	11	Washer Screw (No. 10-24)
4	Cover	12	Washer (Neoprene)
5	Hydrant Cover Hinge Pins (2)	13	Removable Seat
6	Box	17	Plunger "O" Ring
7	Face Nut	19	Face Nut Seat
8	Operating Screw	20	Face Nut Seat Gasket

▲THESE REPLACEMENT PARTS AVAILABLE IN HPRK - 5

**MAINTENANCE INSTRUCTIONS**

1. Shut off water supply.
2. Remove face nut.
3. Pull stem out for complete access to all working parts.
4. Check all working parts for replacement.
5. Replace complete stem assembly and face nut.

\*These parts are accessible from face of hydrant by removing facenut.

REV.	B	9-22-93	Added Note Submittal Update	EMB	BS	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER <b>5812,5813,5814</b>
	A	6-30-93						