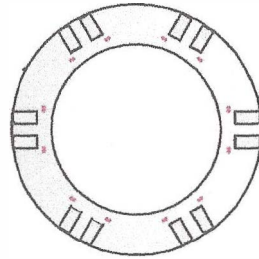


6RDDJ22 Kit Parts List

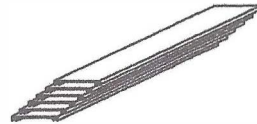
1-ea Installation Instructions



1-ea FRAME, 0525F10000

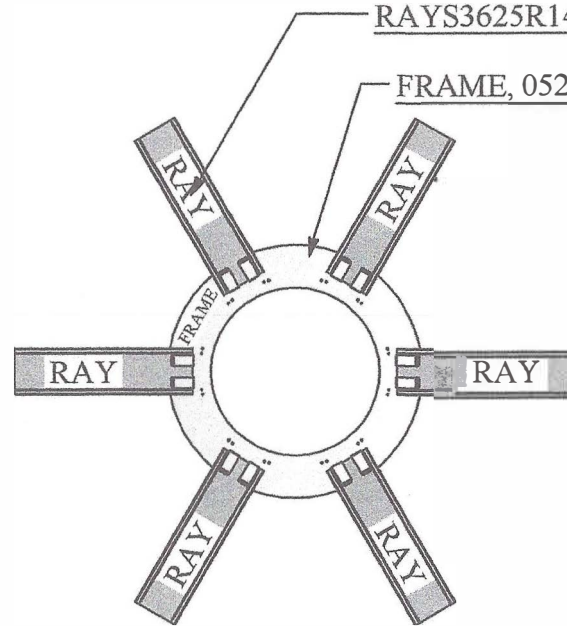


6-ea RAYS 3625R14



RAYS3625R14(Six Each)

FRAME, 0525F10000 (One Each)



6RDDJ22 Assembly
For Roof Drain Applications
Bottom Side View



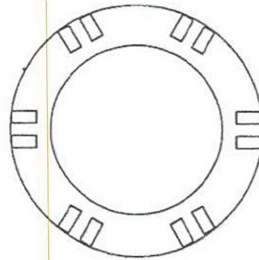


4RDDJ22 Parts List

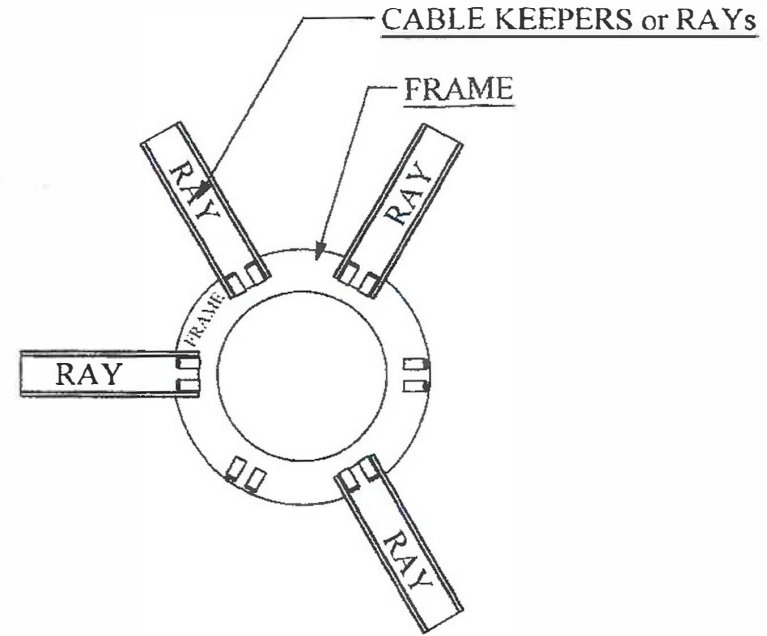
1-ea Installation Instructions



1-ea FRAME
0663F10000



4-ea CABLE KEEPERS
or RAYS [3625R14]

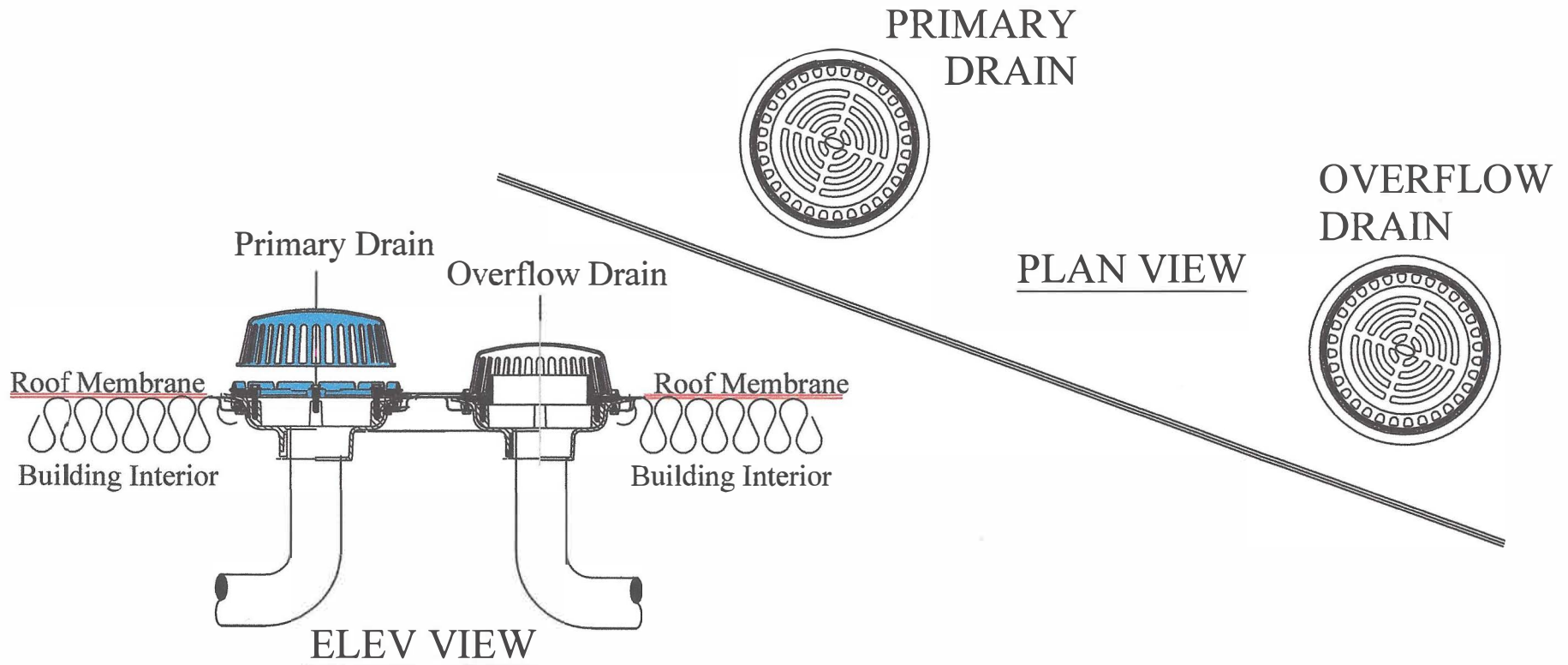


4RDDJ22 Assembly
For Roof Drain Applications
before cable installation
Bottom View

Self-regulating heat cable, controls and accessories are not included within this product line.

↓

INSTALLATION INSTRUCTIONS FOR Model: 6RDDJ2210 with DS-8 Moisture/Temperature Controller



ROOF DRAINS BEFORE FREEZE PROTECTION

Primary Drain

Overflow Drain

VARIES

C.I. DOME (Existing)

Clamping Collar (Existing)

(Above Roofline)

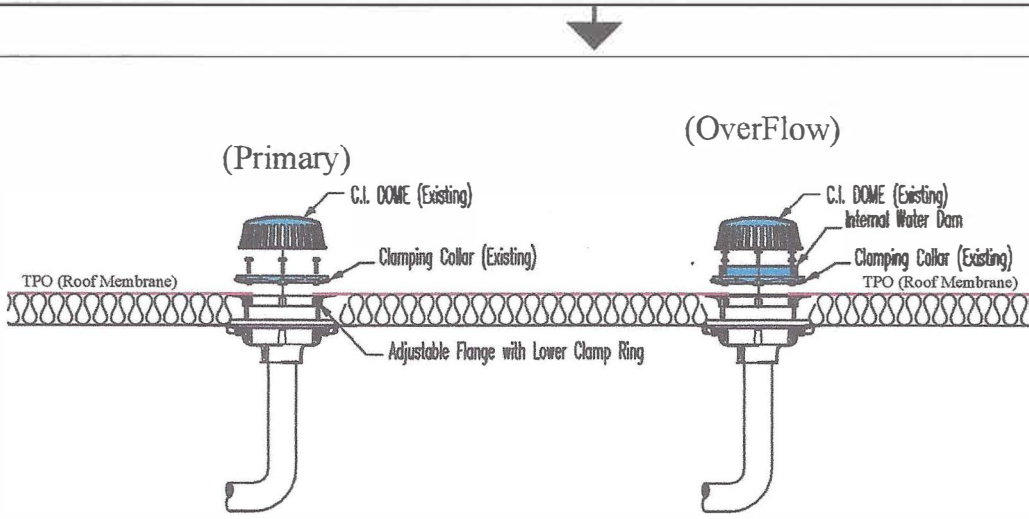
(Below Roofline)

Cold Drain
Length Varies

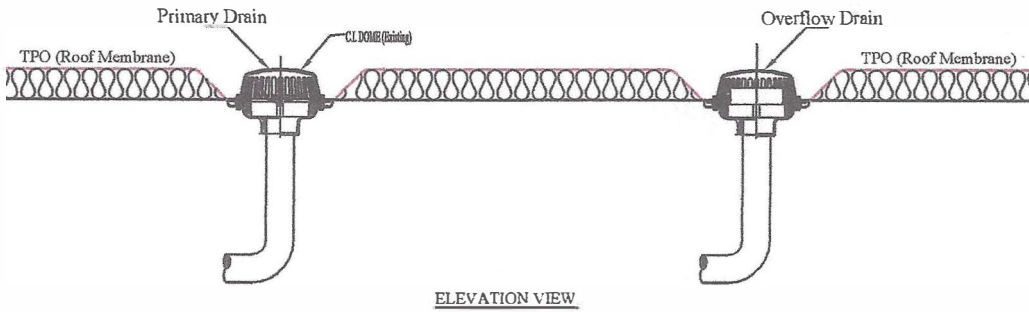
External Water
Dam, Emergency
Drain Only

ELEVATION VIEW

(typ. of Drain/Emergency Drain Applications)



Correct Roof and Drain Configuration for Application
of the www.roofdrainde-icingsystems.com
Based upon ZURN Drain Products



Roof and Drain Configuration for Application
of the www.roofdrainde-icingsystems.com
This illustration is based upon ZURN Drain Products

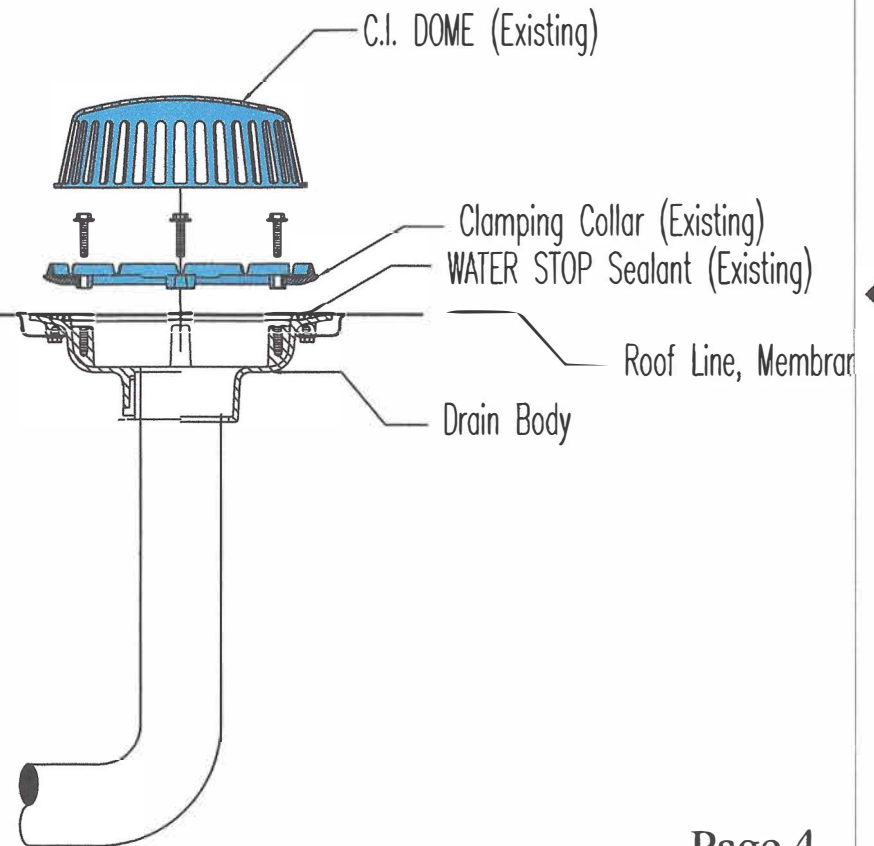


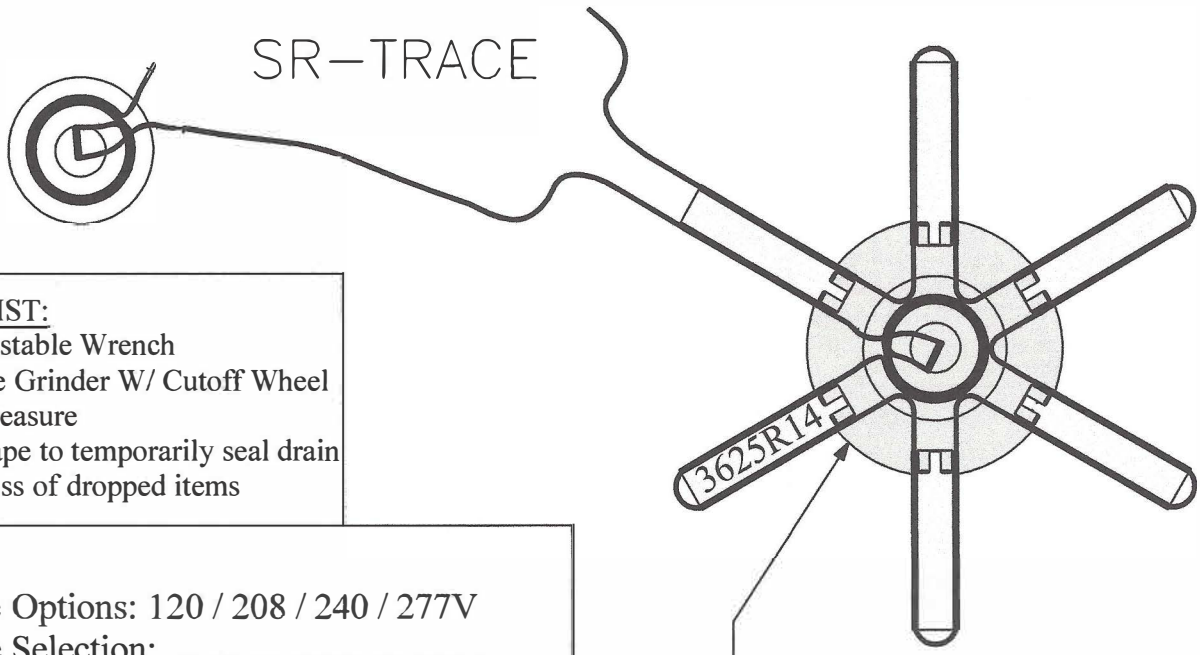


ROOF WARRANTY PRESERVATION

INSTALLATION INSTRUCTIONS Should the Clamping Collar be mistakenly removed

1. **WARNING:** This roof may have a warranty in force. If so, involvement of the roofer may be required to professionally inspect the clamping collar and to maintain the WATER STOP Seal between the drain body and the roofing membrane.
2. The WATER STOP Seal location is the only potential for roof leakage related to the installation of this Roof Drain De-Icing System(RDDS) aside from mechanical tool damage.
3. Primary cause of a leak at the WATER STOP sealant after a new RDDS installation is that the roofer squeezed the WATER STOP Sealant from between the roof membrane and the drain bowl flange during the original installation.
4. The WATER STOP Seal must be assured before proceeding with the remainder of this installation.





PLAN VIEW
Not to Scale

TOOL LIST:

- 6" Adjustable Wrench
- 4" Angle Grinder W/ Cutoff Wheel
- Tape Measure
- Duct Tape to temporarily seal drain from loss of dropped items

Voltage Options: 120 / 208 / 240 / 277V
Voltage Selection: _____

Cable Product Selection:
Mfgr: _____
Model: _____

Cable Length Calculation

6RDDJ22 Cable Length-----	20-LF	20-LF
ADD 2X Down Primary Drain to Warm Zone----	U-LF	-LF
ADD Overflow Drain Bowl Loop-----	V-LF	-LF
ADD 2X Down Overflow Drain to Warm Zone---	W-LF	-LF
ADD 1X Cable Length 6RDDJ22 to J-Box -----	X-LF	-LF
ADD 1X Cable Length between Drains-----	Y-LF	-LF
ADD 1X Cable Wrap Inside Prim & O.F. Drains - Z-LF	-LF	-LF
TOTAL Cable Length is (25+V+W+X+Y+Z) -----	?-LF	-LF

6RDDJ2210

- Roof Drain De-Icing Jig With Heater Cable Routed
- 3625R14 (6)-ea May Be Shortened To Avoid Structural Obstructions Before Cable Installation
- Make Cuts with 4" Grinder w/cutoff wheel and de-bur the cuts

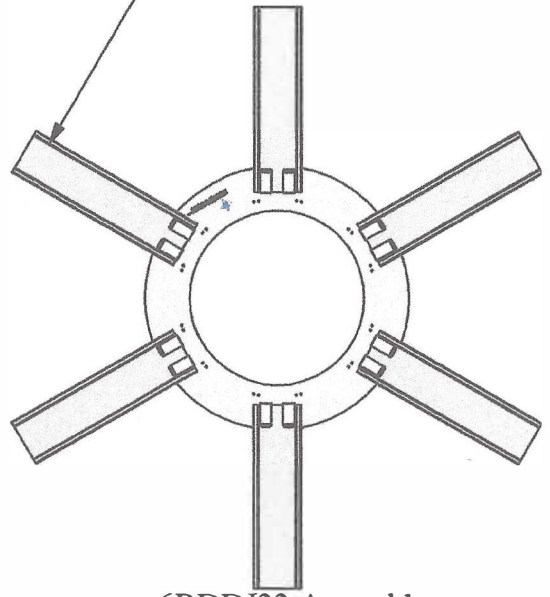
ACCESSORIES:

- SRP, Power Connection Kit -Ea.
- DSH, Downspout Hanger , 2/Kit -Kit
- DS-8, Moist/Temperature Sensor per Bldg. -Ea.

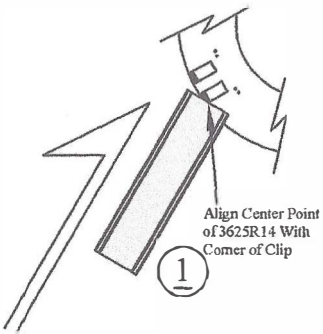




3625R14
3625R14(6)

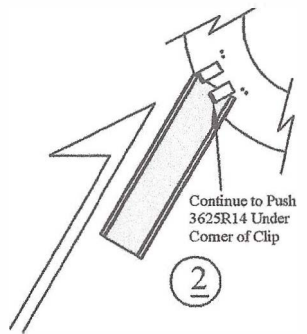


6RDDJ22 Assembly
For Roof Drain Applications



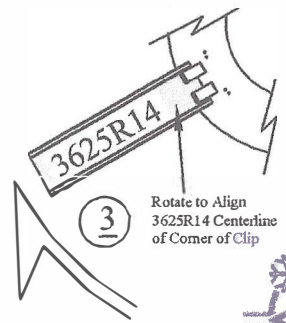
Align Center Point
of 3625R14 With
Corner of Clip

1



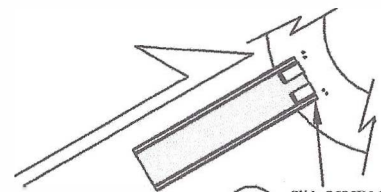
Continue to Push
3625R14 Under
Corner of Clip

2



Rotate to Align
3625R14 Centerline
of Corner of Clip

3



Slide 3625R14 Home
in Clip (follow procedure
with other 3625R14)

4



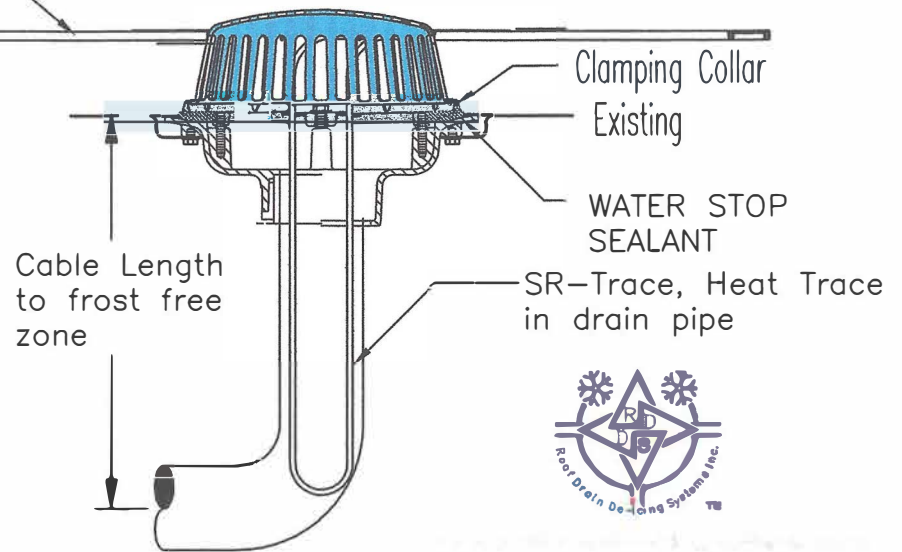


WATER STOP SEALANT between drain bowl and roof membrane. CHECK with ROOFER to be sure of water-tight seal before proceeding

NOTE "WATER STOP" SEALANT PRECAUTION

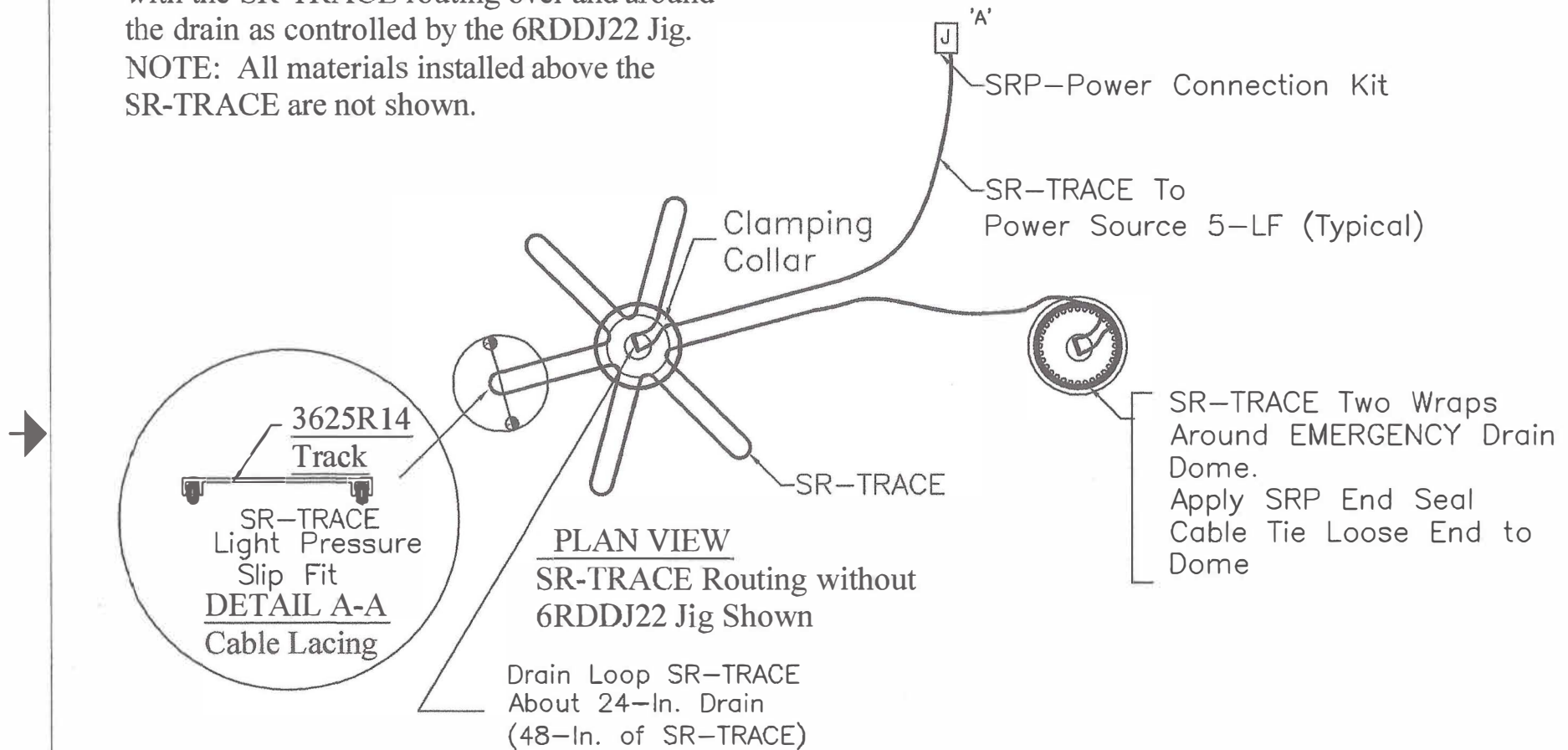
1. Assemble Roof Drain De-Icing Jig (6RDDJ22) complete with SR-TRACE Cable per Pg 5&6
2. Install completed 6RDDJ22 assembly centered around the drain DOME. Adjust SR-TRACE cable loops to course snug up against drain DOME exterior.
3. If the drain is lower than the general roof elevation an extra loop or two around the drain dome exterior may be required prior to coursing the SR-Trace cable through the dome and down drain.
4. Re-install the original Dome (Existing) C.I. Complete electrical connections.

2



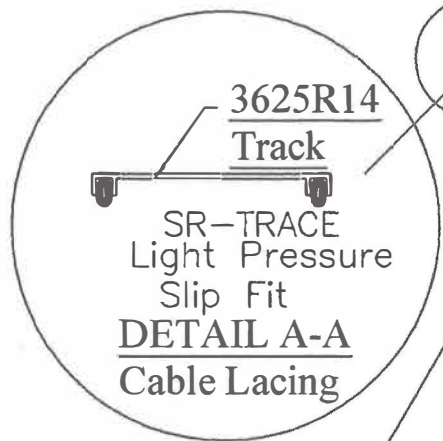
ELEVATION VIEW

This drawing familiarizes the installer with the SR-TRACE routing over and around the drain as controlled by the 6RDDJ22 Jig.
 NOTE: All materials installed above the SR-TRACE are not shown.



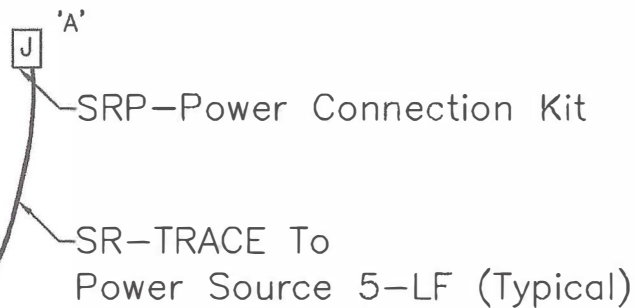
This drawing familiarizes the installer with the Cabled 6RDDJ22 Jig in place.
 NOTE: All materials installed above the 6RDDJ22 are not shown.

6RDDJ22
 Roof Drain De-Icing Jig
 Cable Side on Roof



Drain Loop SR-TRACE
 To Frost Free Zone

PLAN VIEW

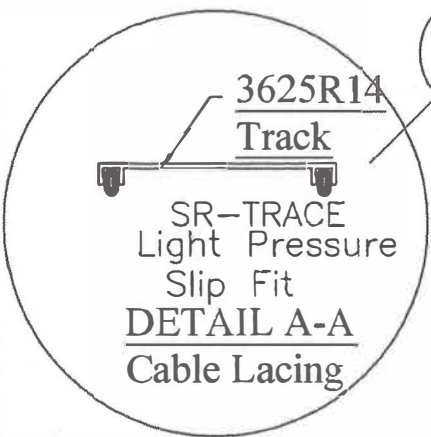


SR-TRACE Two Wraps
 Around EMERGENCY Drain
 Dome.
 Apply SRP End Seal
 Cable Tie Loose End to
 Dome

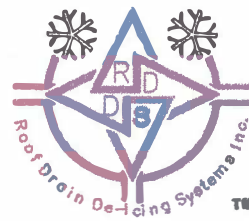
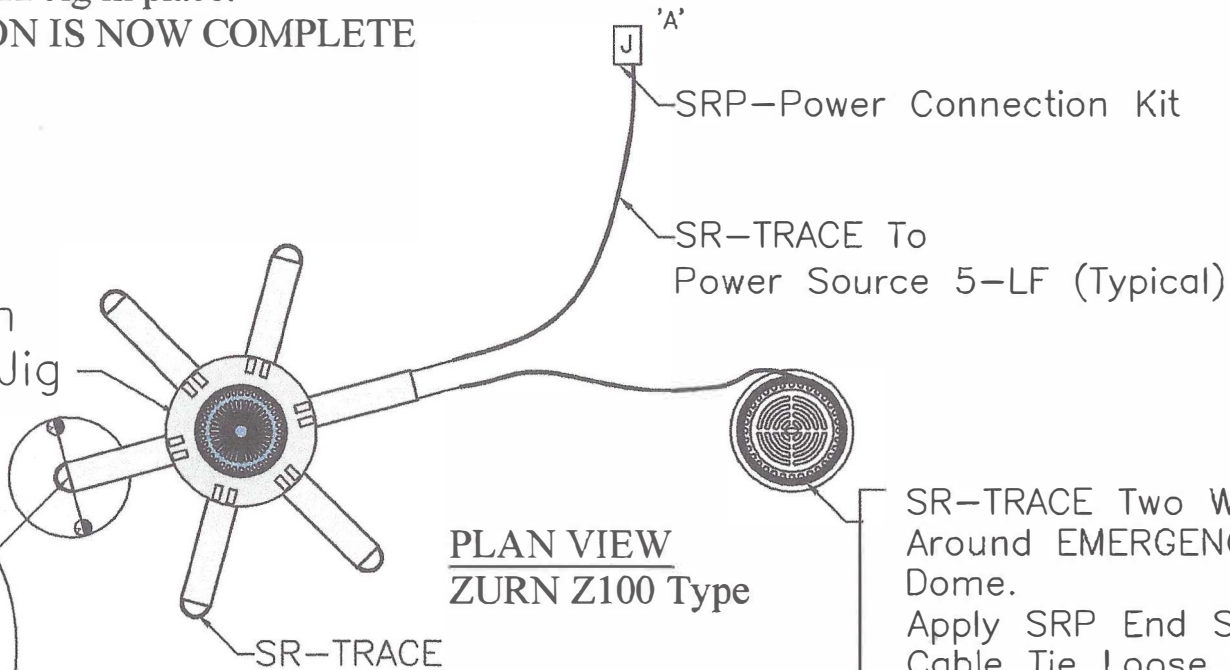


This drawing familiarizes the installer
with the Cabled 6RDDJ22 Jig in place.
NOTE: INSTALLATION IS NOW COMPLETE

Roof Drain
De-Icing Jig



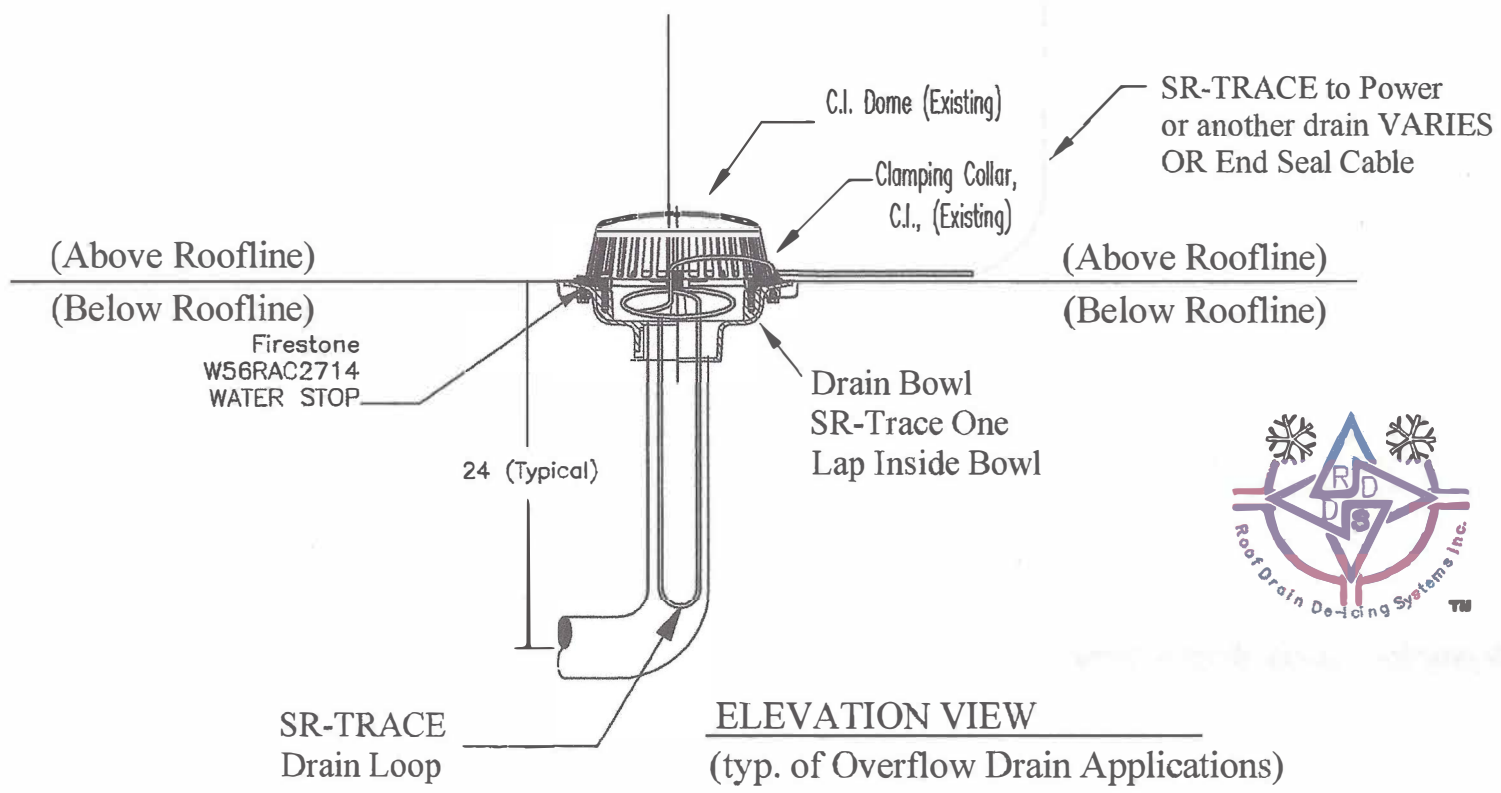
PLAN VIEW
ZURN Z100 Type

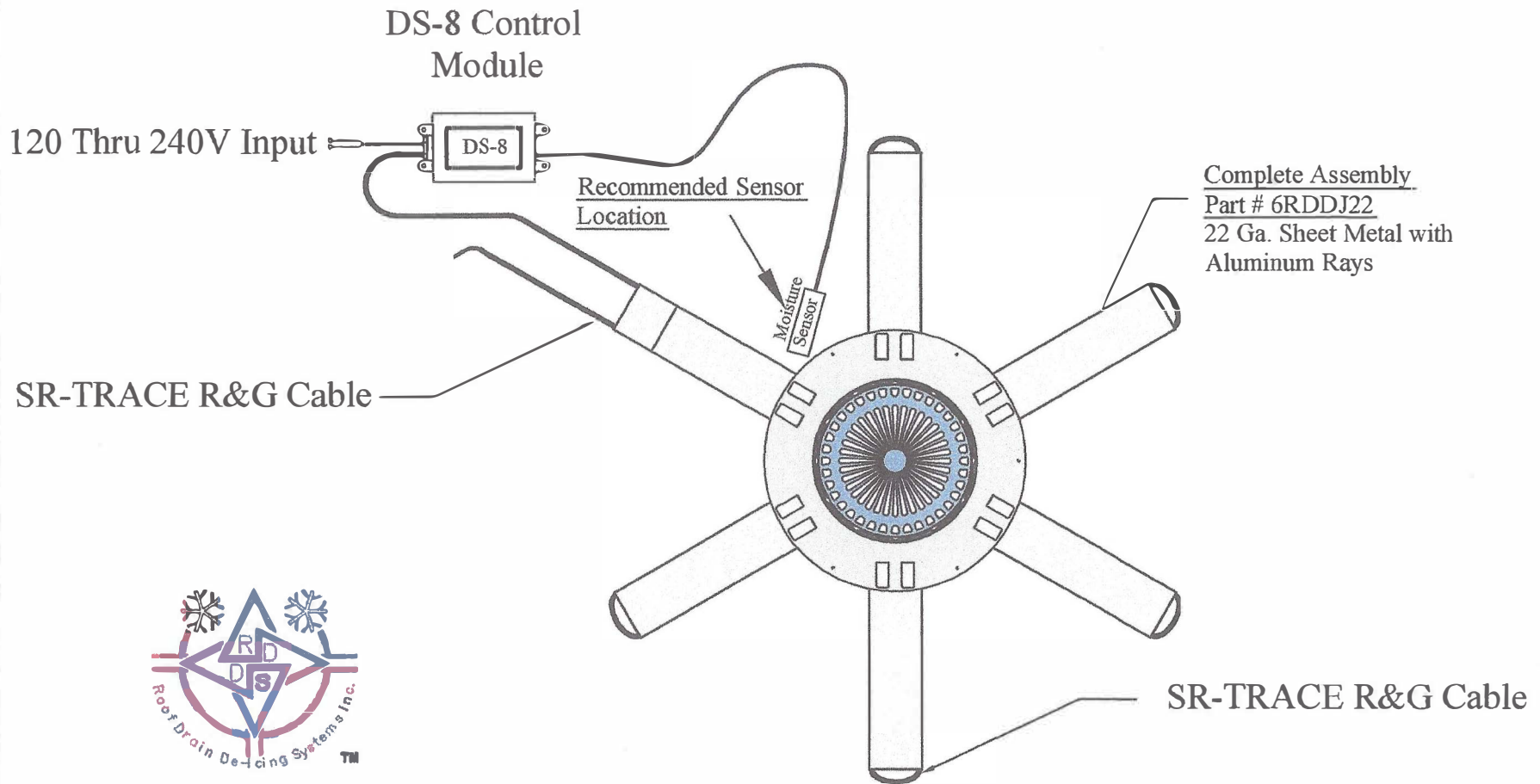


ELEVATION VIEW

NOTE: INSTALLATION IS NOW COMPLETE

'A' Parapet wall (or other location)
power source J-Box for Roof Drain De-Icing
'Moist/Temp. Controller May Be Mounted Here





120 Thru 240V Input

DS-8 Control Module

Recommended Sensor Location

Moisture Sensor

Complete Assembly
Part # 6RDDJ22
22 Ga. Sheet Metal with
Aluminum Rays

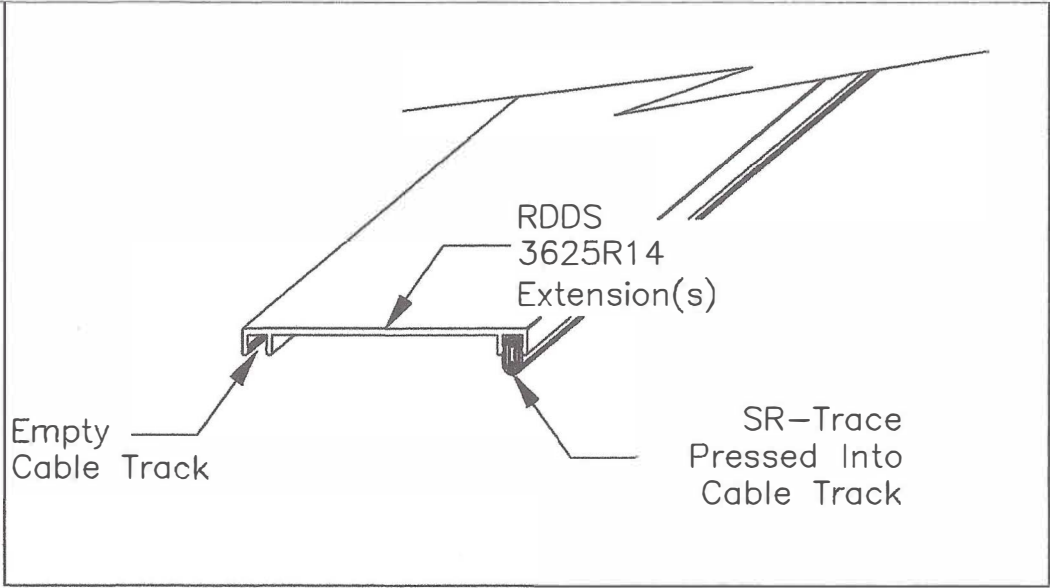
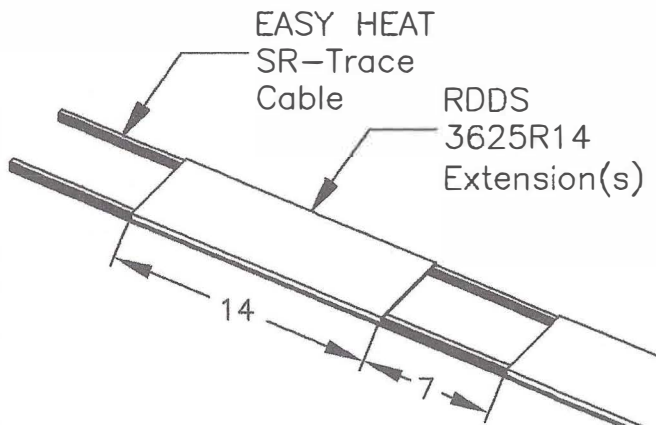
SR-TRACE R&G Cable

SR-TRACE R&G Cable



PLAN VIEW

(Component Parts of Drain De-Icing Application)



Connect as many 3625R14 in series as needed to produce desired length

Cable U-Turn is full One-half Circle from Side to side



