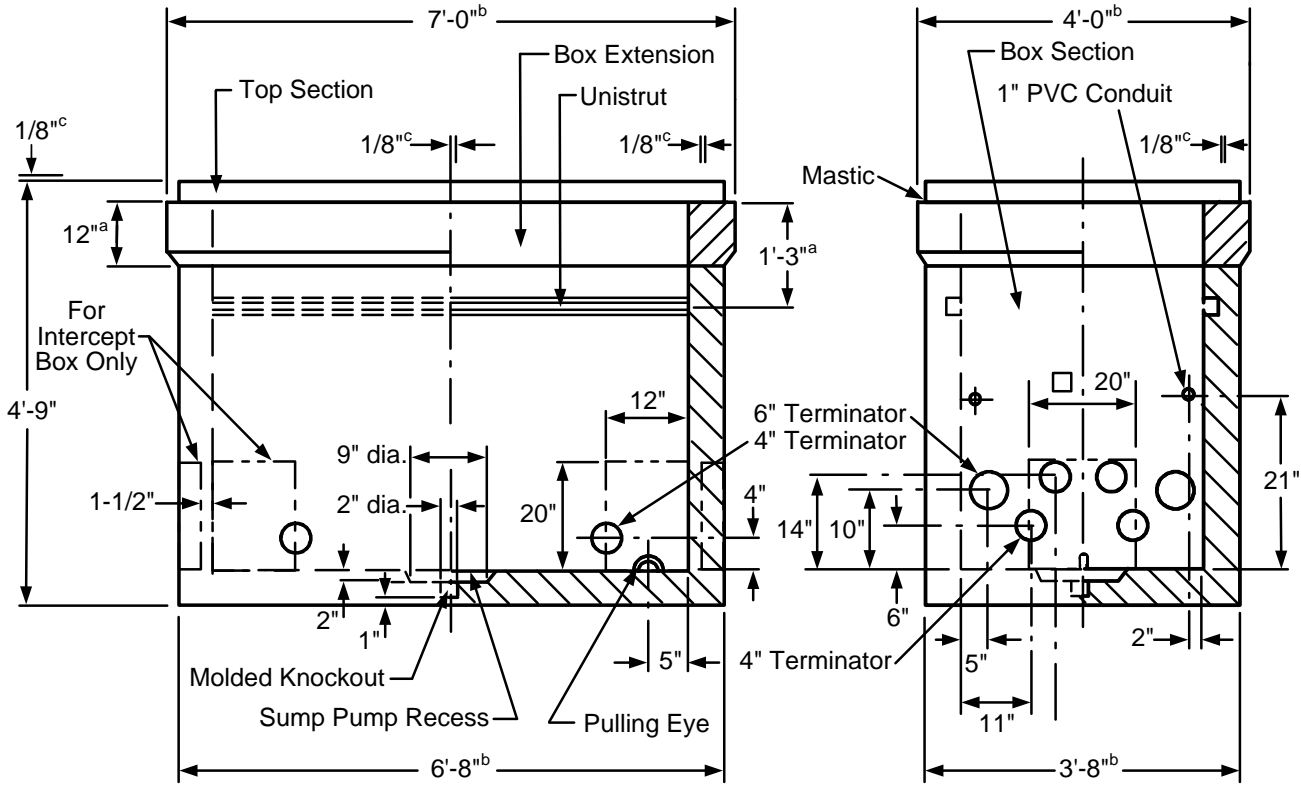


DESIGN REQUIREMENTS – MAINTENANCE ONLY

TOLERANCES:

a = +1/2", -1/2"
 b = +0", -1"
 c = +0", -1/16"

APPROVED PULL BOXES		
MANUFACTURER	REGULAR	INTERCEPT
Jensen Precast	J-RS-81	J-RS-81-I



MAINTENANCE ONLY

1. TOP SECTION (WITH TORSION-ASSISTED LIDS)

- To be made according to RS-82 requirements.

2. BOX EXTENSION

- 36" (W) x 72" (L) inside dimensions with tolerances of ±1".

3. BOX SECTION

- Two 6", four 4" and two 1" diameter PVC conduit terminators through each end wall (or two 20" square knockouts in the end walls).
- Two 4" diameter PVC conduit terminators through each side wall (or two 12" x 20" knockouts).
- Two steel pulling eyes in the floor.

	Electric Service Requirements			RS-81
	Regular or Intercept Box: 36" x 72" x 48" (Maintenance Only)			
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Vaults and Boxes

4. A 9" diameter x 2" deep sump pump recess with 2" diameter knockout in the middle of the floor.
5. Two hot dipped galvanized steel unistruts (P3200HG x 72") located in opposite walls.
NOTE: Unistrut to be clear of any concrete, slip or other debris prior to shipment.
6. 36" (W) x 72" (L) inside dimensions with tolerances of $\pm 1"$.

4. ENTIRE STRUCTURE:

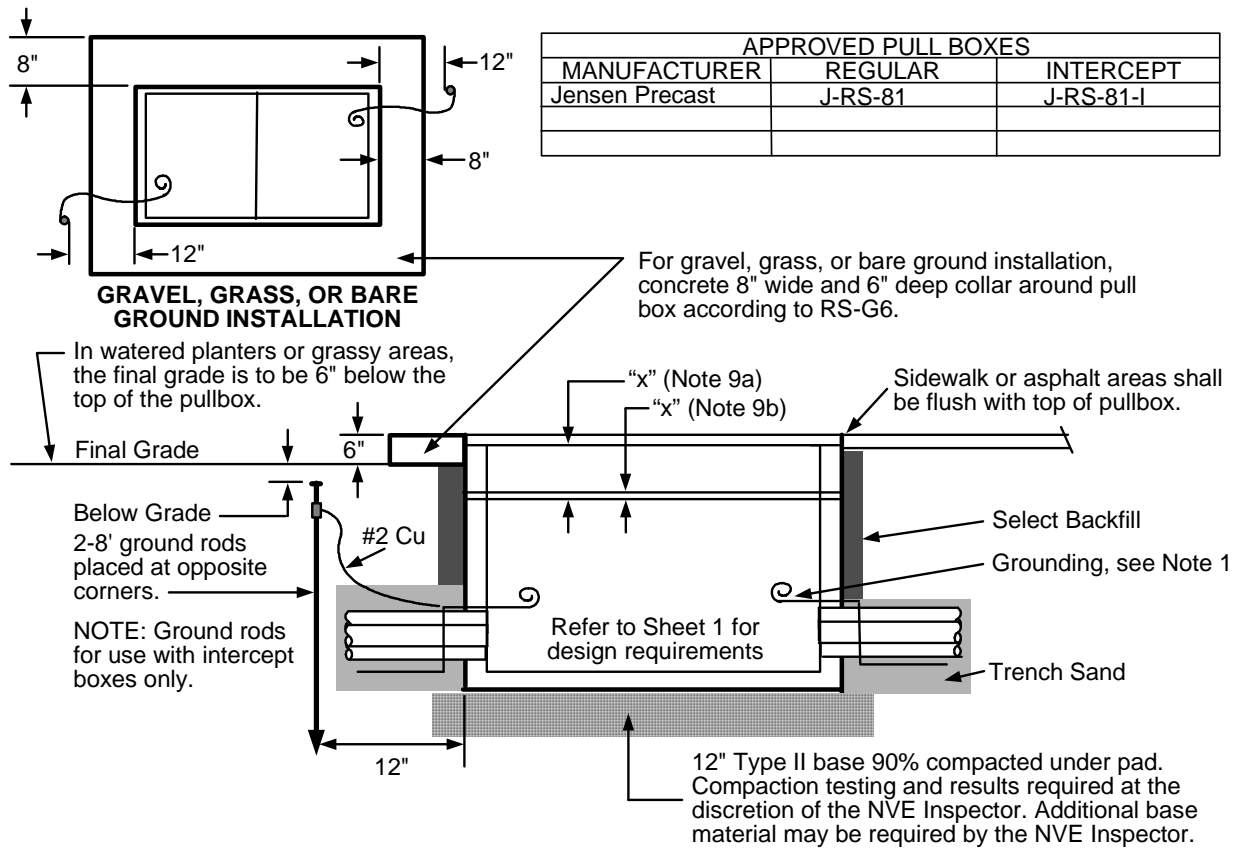
1. All exposed steel shall be hot dip galvanized after fabrication, except torsion bars.
2. Torsion bars shall be spray galvanized.
3. Shall meet RS-G2 and RS-G4.

NOTE: For traffic areas (e.g., streets, roads, etc.), use the RS-83 box.

				Electric Service Requirements		RS-81
				Regular or Intercept Box: 36" x 72" x 48" (Maintenance Only)		
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Vaults and Boxes


INSTALLATION REQUIREMENTS – MAINTENANCE ONLY



NOTES:

1. Grounding by customer, shall be one of the following:
 - A. **With regular box installation:** 2-50' #2 stranded bare copper ground wires laid in the bottom of the conduit trench in opposite directions with 2-5' tails left in the box. Ground wires to be installed through a 1" PVC conduit in the structures end walls.
 - B. **With intercept box installation:** Only at the discretion of the NVE Inspector, two 1/2" x 8' copper clad ground rods placed at opposite corners of the box may be installed

*Grounding in accordance with the 2012 NESC C2-2012 Section 9, Grounding Methods for Electric Supply and Communications Facilities or latest version.
2. This box can handle up to 3 primary cables including 3-4 way modules (cable junctions or splices to be installed according to DIS Specifications: UJ-101, UJ-201 or US-115).
3. If the final grade is unknown, it's preferable to make the top of the pull box too low, rather than too high.
4. If the designer specifies additional conduit openings, the contractor shall core drill the holes as required.
5. The bottom surface of the box shall be level.
6. If the ground water level is at least 3' below the bottom of the splice box, the 2" diameter knockout in the sump pump recess shall be removed.
7. Two 1/2" spring nuts shall be installed by NVE for each module.
8. Intentionally Omitted

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Vaults and Boxes

9. If any final grade adjustment “x” is needed, take the actions listed in Table 1.

Table 1. Adjustment Requirements

Adjustment	Action
-6” to +5”	NVE contractor shall exchange existing 12” extension with 6” to 17” high extension ordered from the original manufacturer.
+6” to +12”	NVE contractor may order an additional 6” to 12” height extension from original manufacturer.
Below -6” & above 12”	Any extension shorter than 6” or exceeding 12” in height shall be subject to T&D Standards department approval.

10. This box may be installed in sidewalks or in delivery alleys behind commercial developments.
NOTE: For traffic areas (e.g., streets, roads, etc.), use the RS-83 box.
11. Retaining wall required when grade from the top of the lid rises or lowers more than 1’ in 5’ horizontally or when required by developer as perimeter wall.

				Electric Service Requirements		RS-81
				Regular or Intercept Box: 36” x 72” x 48” (Maintenance Only)		
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