

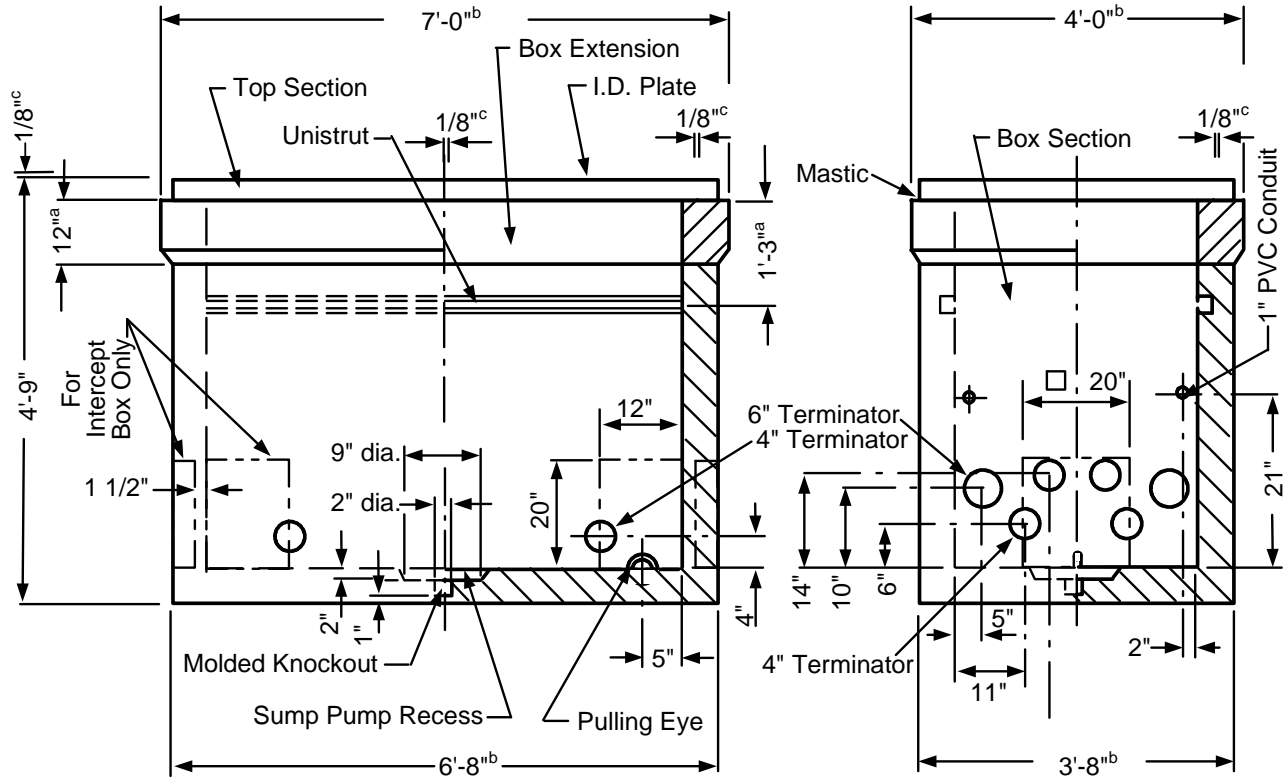
# Vaults and Boxes

## 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
Rockway Precast	R-RS-81	R-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		<b>RS-81</b>
				<b>Regular or Intercept Box: 36" x 72" x 48" (Maintenance Only)</b>		
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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 84") located in opposite walls.
6. 36" (W) x 72" (L) inside dimensions with tolerances of  $\pm 1$ ".

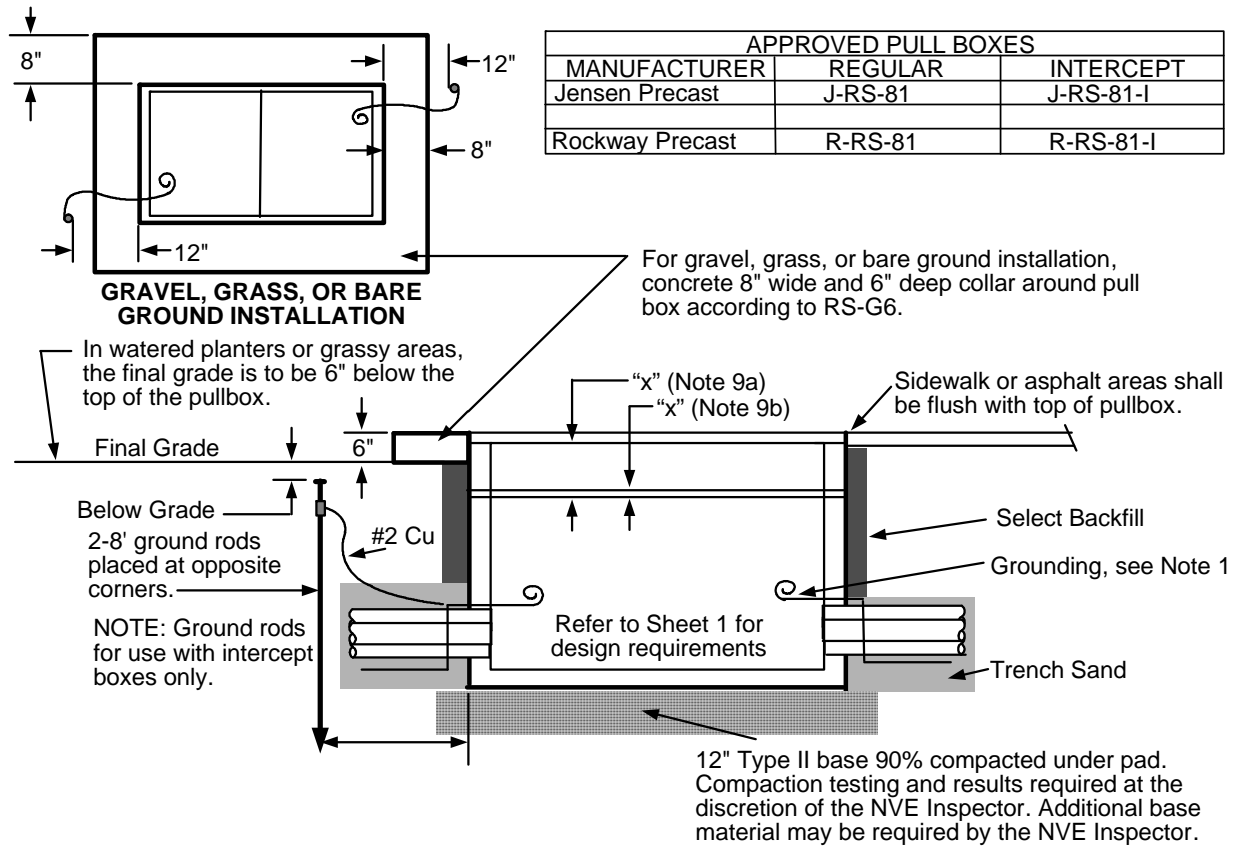
### 4. Entire Structure:

1. All exposed steel (except torsion bars) shall be hot dip galvanized after fabrication.
2. Shall meet RS-G2 and RS-G4.

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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.
  - B. **With intercept box installation:** Only at the discretion of the NVE Inspector, two ½"x8' copper clad ground rods placed at opposite corners of the box may be installed
- NOTE: Ground wires to be installed through a 1" PVC conduit in the structures end walls.
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. Tow ½" spring nuts shall be installed by NVE for each module.
8. NVE lineman shall stamp (impress) the UGM Identification Number into the brass I.D. plate. Maintenance only
9. If any final grade adjustment "x" is needed, take the following action:

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- A. -6" to +12": The NVE contractor shall exchange existing 12" extension with 6" to 24" high extension ordered from the original manufacturer.
  - B. +3" to +12": The NVE contractor may order an additional 3" to 9" height extension from the original manufacturer.
  - C. Below -6" and above +12": Any extension shorter than 6" or exceeding 12" in height shall be subject to T&D Standards approval.
10. This box may be installed in sidewalks or in delivery alleys behind commercial developments.
11. Retaining wall required when grade from bottom of pad rises or lowers more than 1' in 5' horizontally or when required by developer as perimeter wall.
- For heavy frequency traffic areas, (e.g. streets, roads, etc.) use the RS-83 box.

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