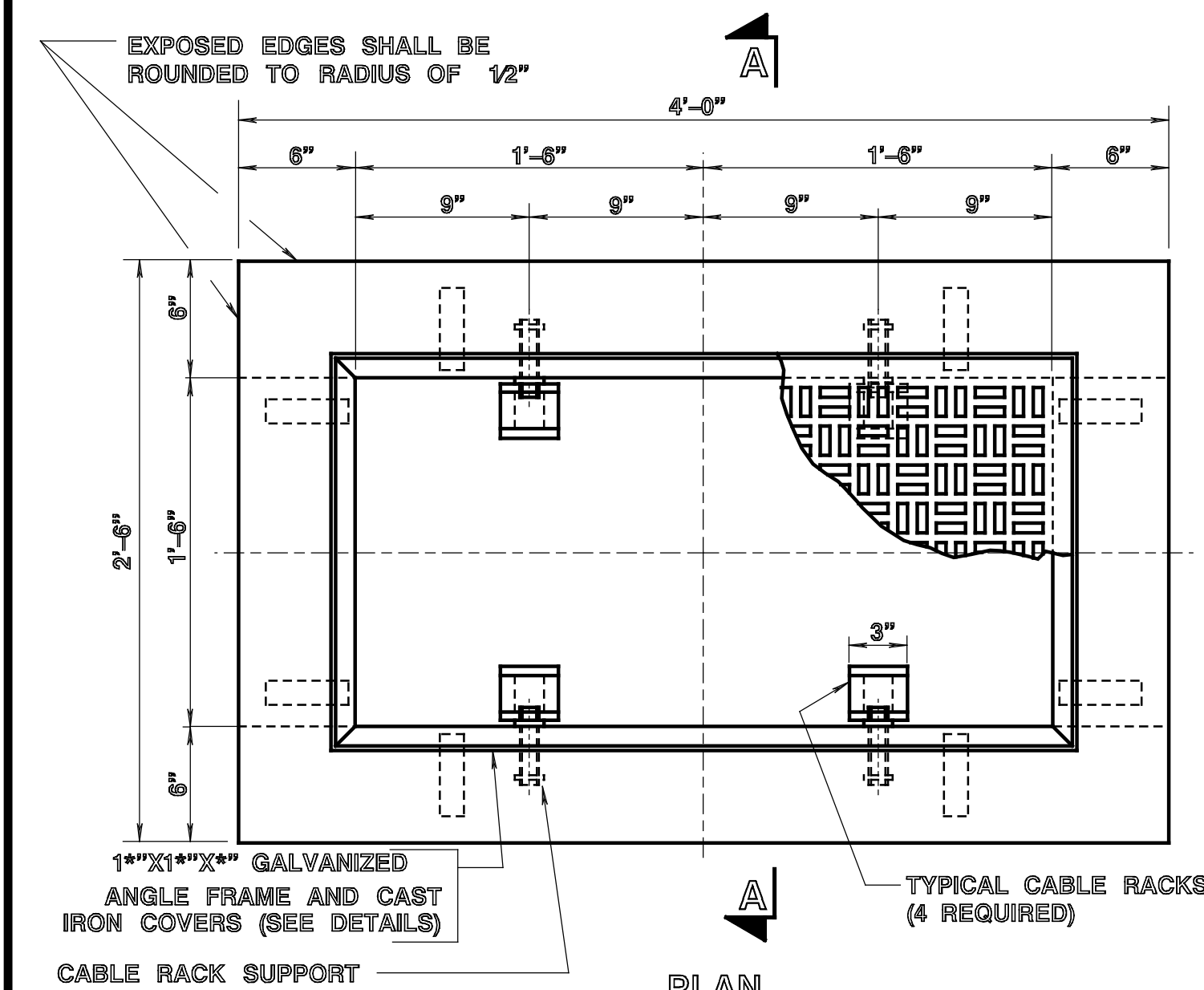
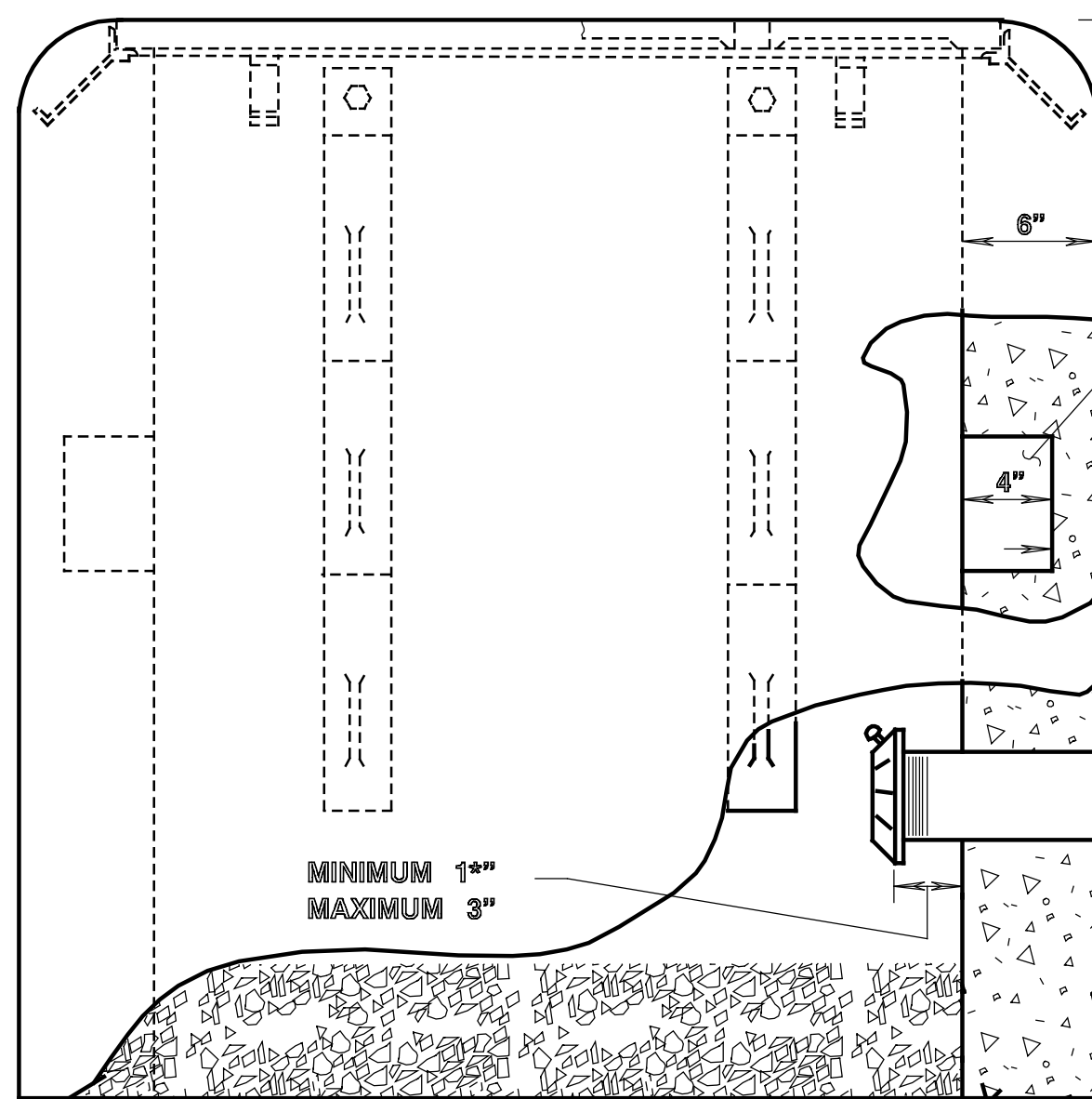


REFERENCE



18" X 36" JUNCTION BOX - CLASS "JB"  
CONCRETE CLASS "B"  
USING APPROVED "A" AGGREGATE  
0.8 CU. YD.



ELEVATION

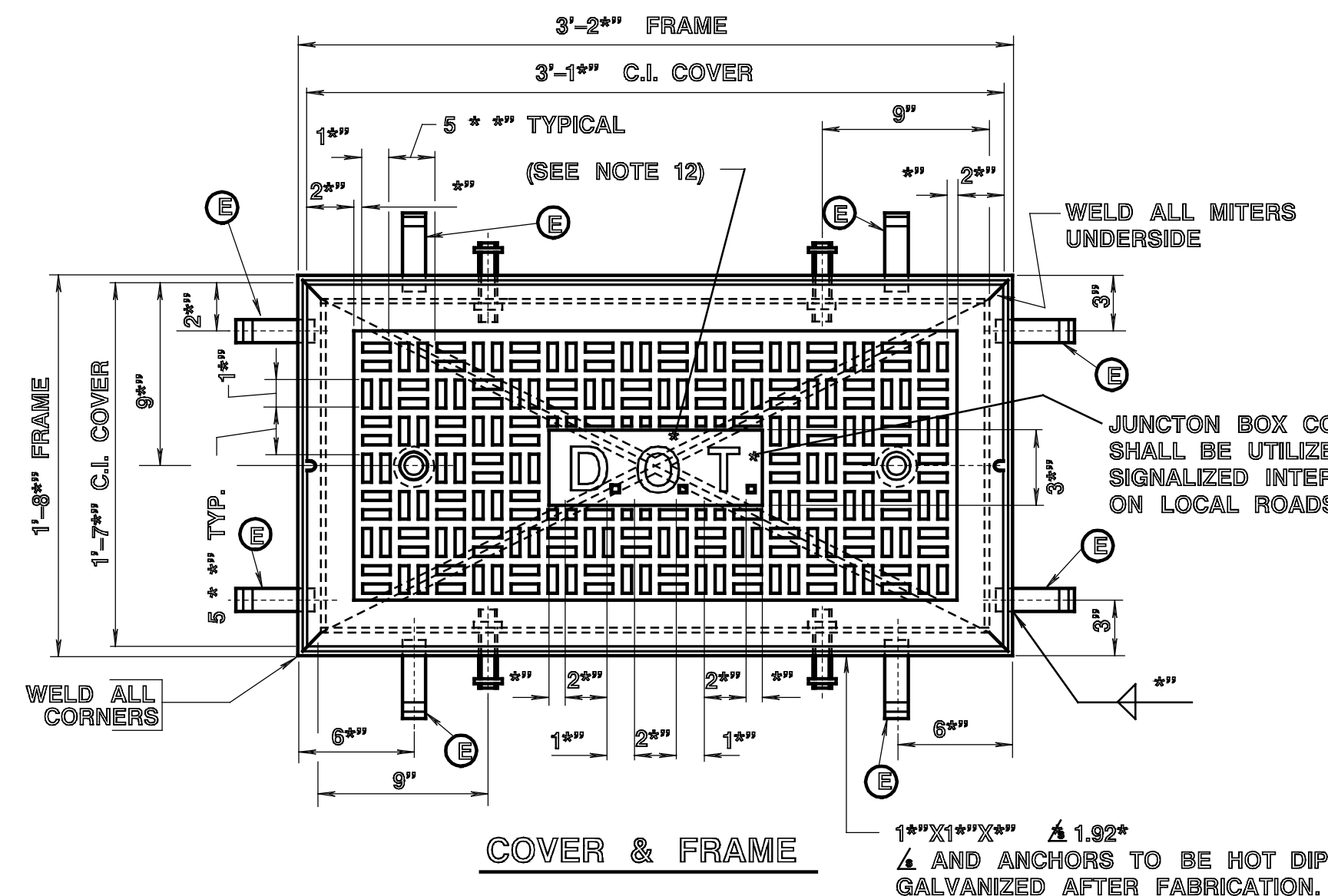
6"X18"X4" RECESS IN END WALLS  
OF JUNCTION BOX FOR INSERTING  
REQUIRED CONDUITS. NUMBER OF  
CONDUITS ENTERING JUNCTION BOX  
SHALL BE DETERMINED FROM THE  
GENERAL PLANS. WALL OF RECESS  
SHALL BE BROKEN, CONDUIT(S)  
INSERTED AND REMAINING AREA  
OF WALL AND RECESS SHALL BE  
COMPLETELY SEALED WITH GROUT.

ADDITIONAL OPENINGS SHALL BE  
PROVIDED AT APPROVED ELEVATIONS  
FOR UNDER ROADWAY CONDUITS  
ENTERING JUNCTION BOX - TYPICAL.

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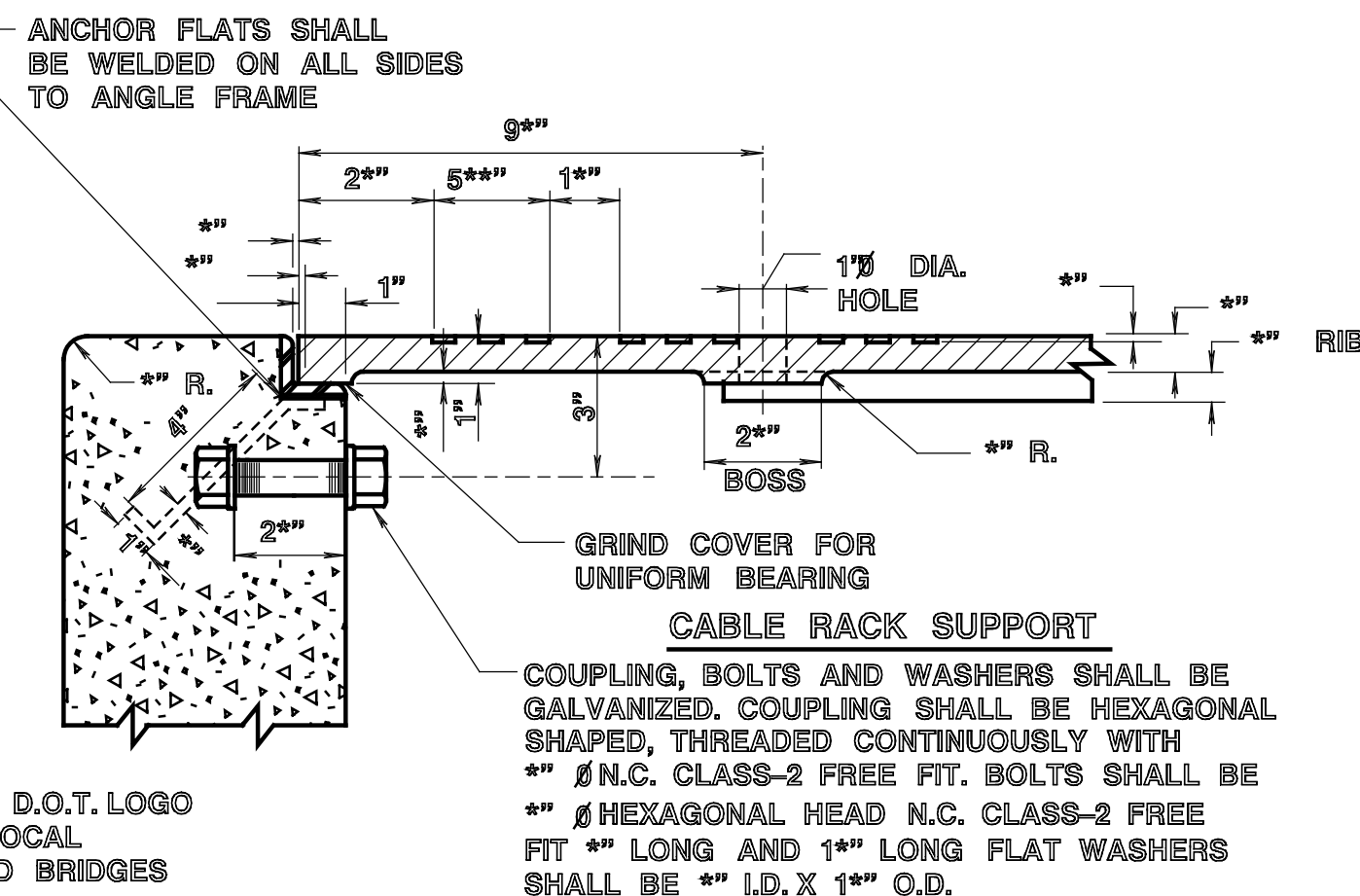
ADDITIONAL OPENINGS SHALL BE  
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ENTERING JUNCTION BOX - TYPICAL.

NOTES  
MINIMUM WEIGHT OF FRAME \* 16 LBS.  
MINIMUM WEIGHT OF C.I. COVER \* 150 LBS.  
FRAME AND ANCHORS OF STRUCTURAL STEEL  
B - DENOTES 1" X " X 6" STL. ANCHORS (8 REQUIRED)

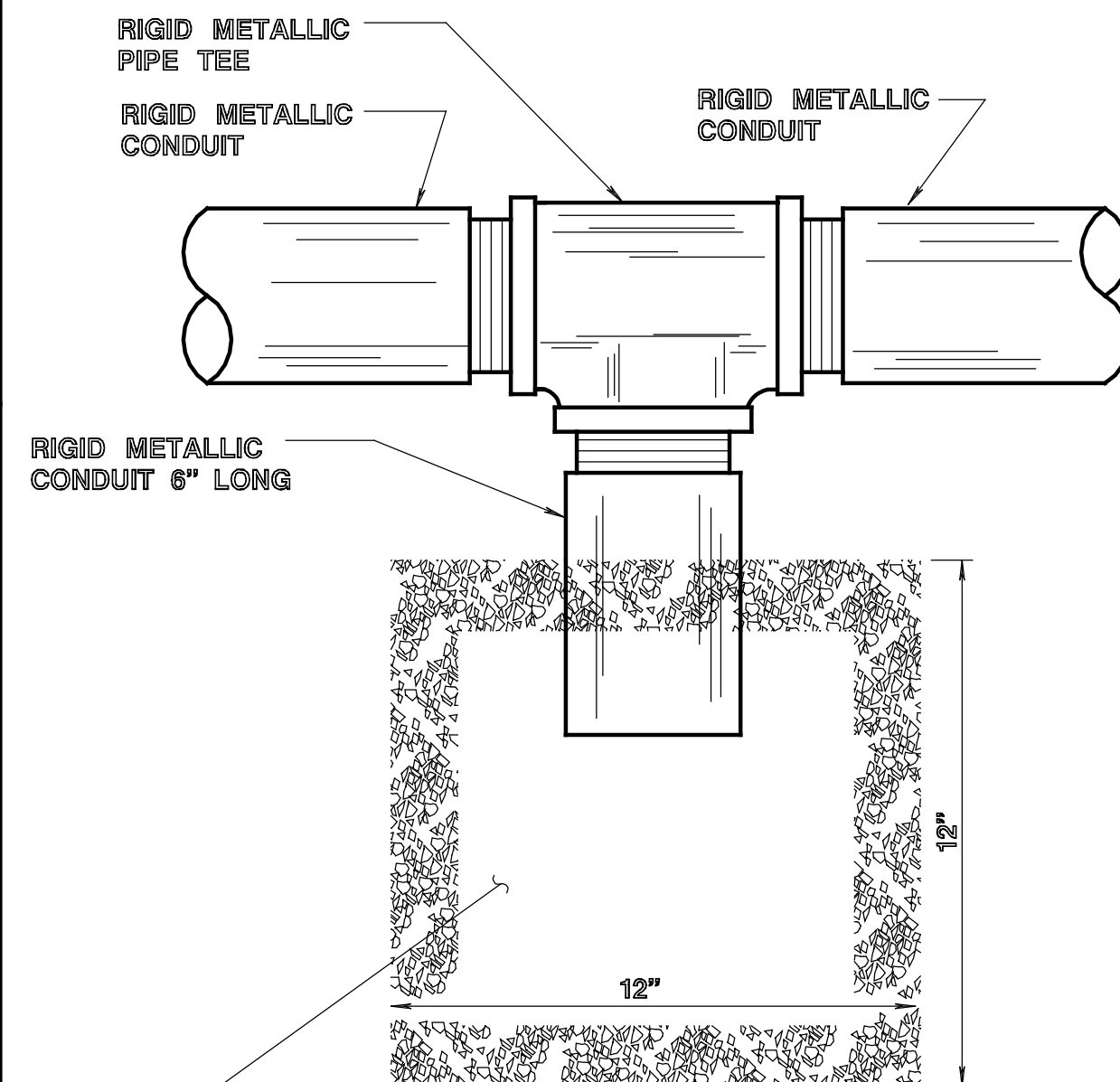


COVER & FRAME

1"X1"X" \* 1.92"  
AND ANCHORS TO BE HOT DIP  
GALVANIZED AFTER FABRICATION.

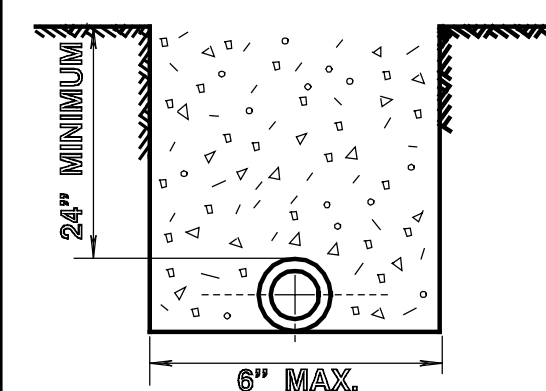


SECTION THRU JUNCTION BOX

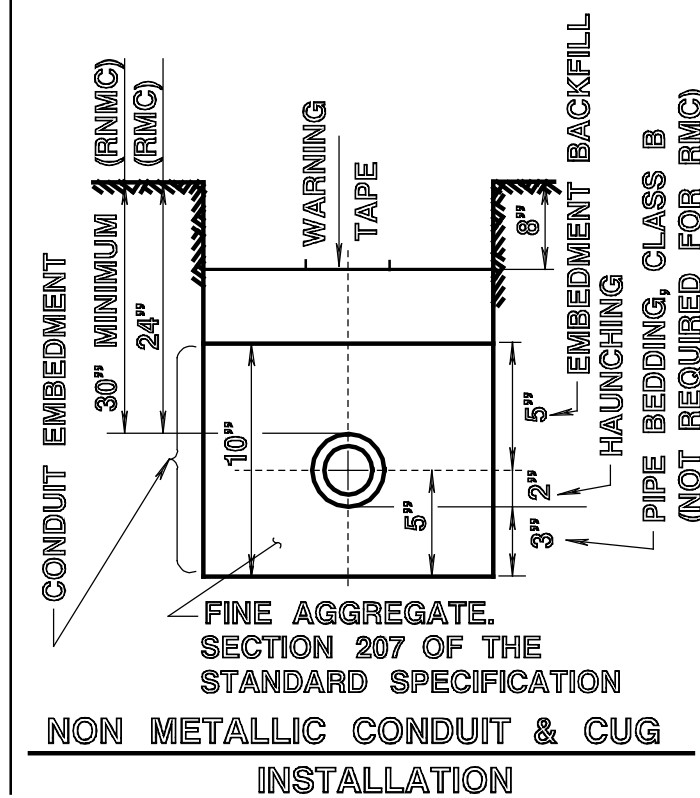


ONE CUBIC FOOT OF "A" AGGREGATE SHALL CONSIST OF  
BROKEN STONE, WASHED GRAVEL OR BLAST FURNACE  
SLAG FOR DRAIN. COVER WITH TAR PAPER TO PREVENT  
BACK FILL FROM ENTERING DRAIN.

TYPICAL TEE DRAIN



CONDUITS INSTALLATION-  
OPEN CUT METHOD

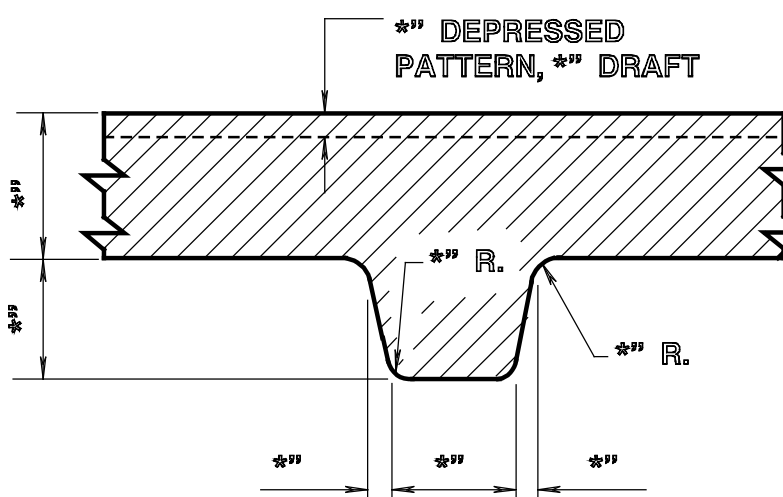
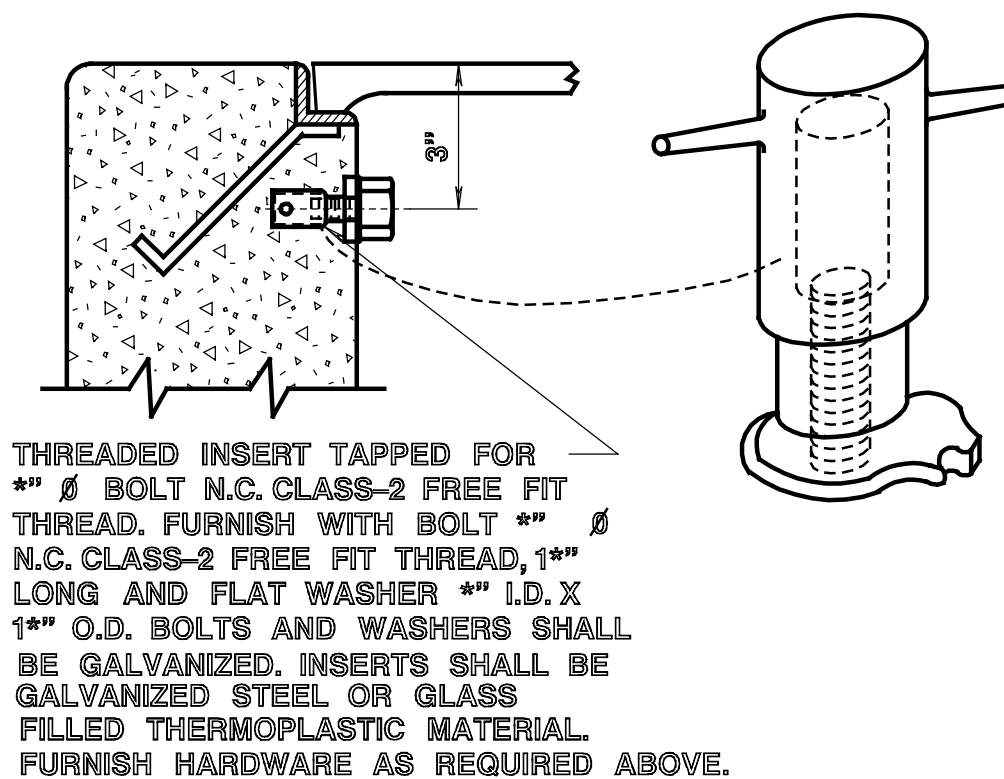


TYPICAL CONDUIT INSTALLATION

WARNING TAPE  
CAUTION CAUTION CAUTION  
ELECTRIC LINE BURIED BELOW

BLACK LETTERS ON  
RED BACKGROUND

ALTERNATE CABLE RACK SUPPORT



SECTION OF RIB

NOTES:

- 1.) JUNCTION BOX FOUNDATION SHALL BE SET PARALLEL TO THE CURB AND TOP OF JUNCTION BOX SHALL BE SET AT GRADE IN SIDEWALK, PAVED AREA, IN GRASS OR DIRT AREAS.
- 2.) CABLE RACKS FURNISHED AND INSTALLED AS INDICATED.
- 3.) BONDING AND GROUNDING INSULATED BUSHINGS SHALL BE INSTALLED ON METALLIC CONDUITS TERMINATING IN JUNCTION BOXES AND/OR FOUNDATIONS AND SHALL HAVE A FITTING TO PREVENT ENTRY OF FOREIGN MATTER PRIOR TO INSTALLATION OF WIRING.
- 4.) A NYLON CORD, 125 POUND MINIMUM TEST STRENGTH, SHALL BE FURNISHED AND INSTALLED IN ALL CONDUITS. SEE SPECIFICATIONS.
- 5.) CONDUITS SHALL ENTER JUNCTION BOX PERPENDICULAR TO WALLS OR AS APPROVED BY THE ENGINEER. A 2" SEPARATION SHALL BE MAINTAINED BETWEEN ADJACENT WALLS, CONDUITS, AND CABLE RACK LOCATIONS.
- 6.) TERMINAL ENDS OF ALL METALLIC CONDUIT SHALL BE THREADED.
- 7.) ALL NON-METALLIC CONDUITS SHALL TERMINATE WITH BELL END CONSTRUCTION IN JUNCTION BOX.
- 8.) ALL UNUSED CONDUITS SHALL BE PLUGGED OR CAPPED.
- 9.) ENGINEER MAY REQUIRE TOP OF JUNCTION BOX TO BE INCLINED IN ORDER TO CONFORM WITH FIELD CONDITIONS. JUNCTION BOX SHALL BE SET TO GRADE IN SIDEWALK AREA AND IN ALL OTHER AREAS.
- 10.) WARNING TAPE SHALL BE A RED 4 MIL. FLEXIBLE POLYETHYLENE FILM WHICH IS RESISTANT TO ACIDS, BASES, HYDROCARBONS AND WATER.
- 11.) IN INCLINE AREA, NO PART OF THE JUNCTION BOX SHALL EXTEND MORE THAN 4" ABOVE THE FINISH GRADE.
- 12.) JUNCTION BOX COVER WITHOUT D.O.T. LOGO SHALL BE UTILIZED FOR ALL LOCAL SIGNALIZED INTERSECTIONS AND BRIDGES ON LOCAL ROADS.

NEW JERSEY DEPARTMENT OF TRANSPORTATION

ELECTRICAL DETAILS

N.T.S.

18" X 36" JUNCTION BOX CAST IN PLACE TYPE  
TYPICAL INSTALLATION OF JUNCTION BOX  
& UNDER ROADWAY CONDUIT

L-0607

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