

Proposal 15285
New Construction for Des Moines North Maintenance Facility, Brine,
Pole and Hoop Buildings.
Questions and Responses Set 4

Q1) 4" insulation is being called for with a minimum R-18. Under Section 03 4100 – 2.10, a panel configuration of 5"-4"-3" is called out for as well. The problem is with an 84' span on these tees, according to code (L/180) a minimum bearing of approximately 5 ½" is required. This means we should be using a 13" wall with a configuration of 6"-4"-3" or if you want to stick with a 12" wall a 6"-3"-3" wall would be required. With a 6"-3"-3" wall type using typical extruded insulation we would get an R-17.68 and this includes the mass of the concrete as well towards that R-value. If a 6"-4"-3" wall type is used, there are two options that are both more economical than using 3" extruded, we can get an R-20.8 using 4" Neopor expanded polystyrene (4.83/in.) or we can get an R-18.16 using 4" 1.0# expanded polystyrene (4.17/in.).

R1) See Addendum #3, Changes to Specifications, Section 03 4100, Paragraph 2.10.A and 2.10.B.

Q2) I will be bidding the 42" tee as this is the section that we have. will I be required to raise the parapet height or was this taken into consideration when the drawings were made?

R2) See Addendum #3, Changes to Drawings, Sheet A-13.

Q3) Will any formliner be acceptable for the rock face below the brick on the office? Plastic liners vs. rubber mats will vary greatly in price and looks.

R3) See Addendum #3, Changes to Specifications, Section 03 4500 (Revised 11-16-2015)

Q4) Will the brick just be one color or do you have a selection made? A blend will affect the pricing of this and there is no standard, there are many manufacturers and pricing varies from one to another.

R4) See Addendum #3, Changes to Specifications, Section 03 4500 (Revised 11-16-2015)

Q5) Is there an automated bus wash in this project?

R5) No there is not an automated bus wash in this project.