

Proposal 14648 – North Des Moines Maintenance Facility Questions and Responses Set 3

Q1) I'm running into a discrepancy on page A-6 (Roof Plan) for the maintenance garage. The dimensions on that drawing contradict what is shown on sheet A-1, can you please confirm that the dimensions on sheet A-1 are correct?

R1) The dimensions on sheet A-1 are correct. Sheet A-6 was replaced with A-6R dated July 15, 2015 which was revised to correspond with Sheet A-1 and included in Addendum No. 2

Q2) Sheet A-10 says 2 ½" black iron framework...is that to be installed under the entire steel joist roof or just as needed for drywall? Any details of the plan view of that? Like how often the members. Item (7) notes doesn't mention the insulation but assuming the entire office section gets the insulation, vapor barrier, drywall, hat channel, and black iron. Will the drywall shown here make up the finished ceilings as shown on sheet A-4 or is there a 2nd gyp board ceiling beneath this one? Rom finish schedule on sheet A12 says finished ceiling is at +11'-8" which is two foot above this black iron/ drywall ceiling on sheet A-10. Please clarify.

R2) The 2 ½" black iron framework is required under the entire roof joist system. Drywall is required over the entire office area for the per the fire requirements. The frame work to be 16" o.c. See revised sheets A10R, A11R, and A12R.

Q3) The waste piping between the sumps and the sand/oil interceptor doesn't have any cleanouts or vents, are any required?

R3) No vents required between sumps and sand/oil interceptor. Refer to drawing P-101 for floor cleanouts positions and Specification 221319 for additional requirements.

Q4) Sheet 03 4100-2 ; 1.6; A; 1 ;a; Is a Group C, Category C4 certification needed for the structural insulated wall panels, or only for the double tees? If it is needed for both Advanced Precast will not be able to bid.

R4) Certification is required for the insulated wall panels of Category C3.

Q5) Sheet 03 4100-3; 2.1; A; Please add 'Advanced Precast Company' to the list of Manufacturers.

R5) Advanced Precast Company is approved for precast roof tees.

Q6) Sheet 03 4500-2; 1.06; B; 2; Are both the PCI certification category A1 and the IAS AC157 certification needed? Or is it either one? Advanced Precast holds the PCI A1 certification and if this is not addressed APC will not be bidding

R6) Either Certification is acceptable.

Q7) Does the DOT want an Antimicrobial Erosion-Resistant Coating applied to the Duct Liner? Just looking for a confirmation.
Spec is Under Division 23 3113-2 Metal Ducts
2.4 Duct Liner Sub A.2

R7) Yes.

Q8) I'm running into a discrepancy on page A-6 (Roof Plan) for the maintenance garage. The dimensions on that drawing contradict what is shown on sheet A-1, can you please confirm that the dimensions on sheet A-1 are correct?

R8) The dimensions on sheet A-1 are correct. Sheet A-6 was replaced with A-6R dated July 15, 2015 which was revised to correspond with Sheet A-1 and included in Addendum No. 2

Q9) While reviewing the plans and specifications for the above, please advise if the precast concrete deck is flat or structurally sloped as the structural plans do not indicate either way and the architectural plans have contradicting details. If the precast deck is flat and per the architectural drawings on sheet A-6 at note 1 states: 'Taper roof insulation from back to front...' but detail 7 on sheet A-11 indicates a structurally slope precast deck. This says N.T.S. but if I do scale this and the 6" dimension at the scupper is correct to base the scale, the slope is over 1/2"/ft. and the height of insulation will be approximately 31.5" which will exceed the parapet height. I'm assuming others have called or emailed on this.

R9) The precast concrete deck is flat. The slope of tapered insulation is to be the minimum slope allowed by the EPDM Membrane Manufacturer. The minimum thickness of the insulation is to meet R-38 at lowest point.

Q10)

Spec section 230716 HVAC Equipment Insulation, Please clarify if Cellular Glass is actually what he is intending us to use to insulate the Air Separator Tank and Expansion Tank? Typically we use Mineral Fiber for this application , as it will serve their purpose and less costly compared to Cellular Glass

R10) Bid as shown.

Q11) I just want to make sure the panels with the brick are using a gray mix (same as rest of building), and the factory applied texture is low-profile-rib or at least low-profile rib is acceptable.

R11) Concrete mix for precast to be the standard gray color.

Q12) Is Kohler an Acceptable Engine Generator?

R12) Contractor to meet or exceed specifications, provide substitution request form, forward manufacturer's literature, note any changes in schedule, and list in other changes to the work before approval is granted.

Q13) Transformer, Generator pad is by others, is that the General Contractor?

R13) General Contractor is responsible for providing the Generator Pad.

Q14) Communication, Install raceways and grounding only no cabling or equipment?

R14) IDOT IT staff will run cabling to the communication equipment. Contractor is to provide raceways, conduit, and grounding.

Q15) Does the mandatory pre bid meeting apply to subcontractors also.

R15) No. The Mandatory Pre-bid meeting only applies to General Contractors.

Q16) Will we get to see a copy of the sign in sheet?

R16) We will be posting a list of who the bids were sent out to as well as the sign in sheet.

Q17) Section 08 3613

Sectional Doors

Page 3

2.05 Electrical Characteristics

A-1 lists 1/3 hp operator. Others have been 3/4 hp. Please clarify.

R17) See addendum 3

Q18) The specifications for the in floor heating says it's "Basis of Design :Roth". Usually when projects say that the product is basis of design the engineer will allow other manufacturers and no substitution request needed. It was brought to my attention that in the summary information under Section 011000 that it mentions other manufacturers considered but request for must be submitted. I need to know, in this case, if we still need to submit a request for Watts Radiant, which is the product our customer would like to bid?

R18) Substitution requests are required for all products that are not listed as approved manufacturers.

Q19) 083613

I SEE UNDER THE WASH BAY / BRINE BUILDING SPECS. THEY CALL FOR STANDARD HEADROOM LIFT I THOUGHT THE WASH BAY DOORS MAY GO HIGH LIFT AS THE OTHER DOORS IN THAT BUILDING (PER DRAWING BUT NOTHING IS LISTED IN THE SPECIFICATIONS)

WHAT DO WE BID HIGH LIFT OR STANDARD HEADROOM TRACK

R19) See addendum 3

Q20) ELECTRICAL OPERATIONS (TYPE 1 OPERATORS)

2.05

A.

1. 1/3 HP

GENERALLY A 3/4 HP IS REQUIRED WITH A SOENOID BRAKE

ARE YOU SURE YOU WANT 1/3 HP

R20) See addendum 3

Q21) 2.02 C

WHAT ARE STIFFNER PLATES?

R21) These are for the non-insulated panels for the pole building to stiffen the panels to resist the horizontal wind loads. The IDOT has had issues with the wind blowing down and damaging non-insulated panels that did not have stiffeners in panels. They can either be steel cross bracing or thicker steel plates top and bottom to withstand the wind loading.

Q22) 2.03 DOOR COMPONENTS

B & C DON'T THEY CONTRADICT EACH OTHER

THE DRAWINGS SHOW 3 LITES IN THE 3RD SECTION 16' WIDE DOORS ARE SPACED TO HAVE 4 LITES 3 LITES WOULD **NOT** BE SPACED EQUALLY DO YOU WANT TO GO WITH 2 OR 4 LITES

DO YOU WANT SOLID SHAFTS IN THE MAINTENANCE GARAGE

DOOR COMPONENTS

2.03

D

ARE YOU SURE YOU WANT STAINLESS STEEL CABLE IN THE MAINTENANCE GARAGE AS THIS IS SOMETHING NEW THAT YOU HAVE NEVER DONE BEFORE BUT THEY HAVE ALWAYS BEEN USED ON THE POLYCARBONATE DOORS

R22) See addendum 3

Q23) 2.02 STEEL DOOR COMPONENTS

A

WHAT IS THE LOCAL WIND LOAD THAT WE HAVE TO MEET 1.5 TIMES THAT LOAD OR IS A 20 LB PSF WIND LOAD SUFFICIENT

R23) The required wind loading is based on the 2012 IBC code.

FOLLOW UP QUESTION FROM Set 1

Q14) Are there excavation cad files available, if so we would like them?

R14) We are not able to provide cad files for the excavation.

Clarification of Detail 13/A-11 on Sheet A-11 dated 7-15-2015: Provide 12" diameter drain tile as shown on MS100. The footing depth will remain constant and the drain tile can slope the minimum slope recommended by the drain tile manufacturer. The drain tile does not need to be below frost so the depth below grade can vary and it does not need to be on top of footing as shown on detail 13/A-11.

Clarification of question on completion of brine and pole buildings:

The construction completion date for the Brine Building and the Pole Building is October 30, 2015.