MANNING MATERIALS
TRUSTED RESOURCE

6/04/2026

Pennsylvania Air National Guard
SOF Construct Simulator Facility MC-130J
Harrisburg ANGB, Middletown, PA

RE: Horizontal Rebar Spacing in ICF Forms

Typical of all ICF (Insulated Concrete Form) construction, horizontal reinforcing specifications recommend horizontal rebar at coursing distances. This is typically between 12” to 18”, depending on manufacturer. Nudura’s horizontal rebar placement specifications are 18” on center (as per coursing). Although, we do have flexibility.

Please advise if these slight changes are allowed in these two locations:

1. CONCRETE ICF WALLS (TYP):
   VERT REINF: #5@12" OC EACH FACE
   HORIZ REINF: #5@12" OC EACH FACE
2. CONCRETE ICF WALLS (STAIRS):
   VERT REINF: #5@8" OC EACH FACE
   HORIZ REINF: #5@8" OC EACH FACE

1. Due to the design of the Nudura ICF, we can place the rebar at 3 different horizontal locations for every 3' of ICF wall installed, so you will have horizontal rebar placement on average at 12" on center. Please see detail below used for the PA Air National Guard 112th Air Operations Squadron. Understanding this would occur on each face.

2. As the standard Nudura ICF is 18” high, the ICF installation would be much faster if we can increase the spacing of the horizonal rebar 1” to make it 9” at the Stairs.

Thank you for your attention to this matter.
Sincerely,

Nate Fair LEED AP
Sales Rep.
Manning Materials
484-614-7762

RFI RESPONSE:
CHANGES AS NOTED IN THIS RFI ARE ACCEPTABLE PER MANNING MATERIALS’ REQUEST. THE DESIGN IS BASED AROUND THE NAMED VENDOR IN ACCORDANCE WITH ACI 318 AND REQUIRED DESIGN LOADING. SMALL VARIATIONS IN THE DESIGN MAY BE ACCEPTABLE BASED ON SPECIFIC MANUFACTURER CAPABILITIES. ANY DESIGN CHANGES PROPOSED BY THE SUCCESSFUL BIDDER ARE TO BE SUBMITTED IN WRITING AND APPROVED PRIOR TO SHOP DRAWING PRODUCTION.

MANNING MATERIALS
“The Performance Wall Solutions Leader”
680 Ben Franklin Highway
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Fx. 610-385-1718

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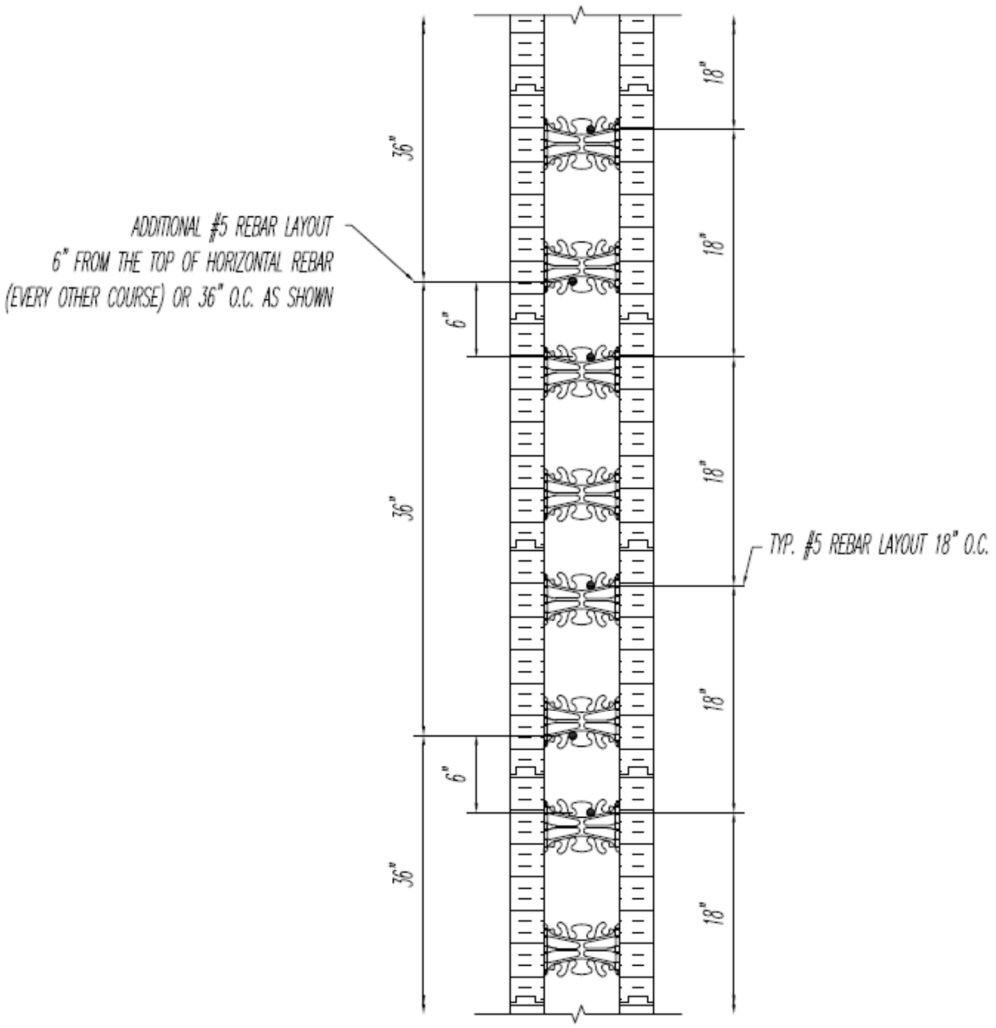

1 TYP. NUDURA WALL REBAR LAYOUT

1"=1'-0"

DRAWN BY:	JRH	REVISIONS:	Manning Materials
DATE:	11/8/11		
SCALE:	1" = 1'-0"		PROJECT NAME: PA AIR NATIONAL GUARD 112TH AIR OPERATIONS SQ
CHK'D BY:			DWG. NO: SK-1 / PROJECT NO.

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