

ADDENDUM NO. 1  
TO THE CONTRACT DOCUMENTS  
FOR THE CONSTRUCTION OF THE  
VERNON HILLS NCT WRF PHASE 2 – 2017 IMPROVEMENTS  
LAKE COUNTY PUBLIC WORKS DEPARTMENT  
VERNON HILLS, ILLINOIS  
BID NUMBER #17013

**DATE: April 4, 2017**

BID DATE: 2:00 P.M. Local Time, April 18, 2017 (REVISED)

TO ALL BIDDERS ON THE ABOVE PROJECT:

The following changes, additions and deletions are hereby made a part of the Contract Documents for the Vernon Hills NCT WRF Phase 2 – 2017 Improvements, Lake County Public Works Department, Vernon Hills, Illinois Bid Number #17013 as fully and completely as if the same were fully set forth therein.

Bidders shall acknowledge receipt of this Addendum by inserting the number and date in the space provided in the Bid Form.

SPECIFICATIONS

SECTION NB – OFFICIAL NOTICE TO BIDDERS

1. In the first paragraph change the date from “*April 14, 2017*” to “*April 18, 2017*”.

SECTION INV – INVITATION TO BID

1. **DUE DATE:**  
Revise this section to read as follows:

***DUE DATE:***        *April 18, 2017 @ 2:00 PM*

SECTION B-1 – BID FORM

1. Replace Bid Form with attached Bid Form.

## SECTION 01200 – PRICE AND PAYMENT PROCEDURES

### 1. Paragraph 1.9 B.

Directly following this paragraph add the following:

#### C. *Schedule of Alternates:*

##### 1. *Alternate No. 1: Storage Building Roof Replacement:*

- a. *Base Bid Item: Does not include work as shown on Drawing 28-AS-1 Storage Building Architectural/Structural Plan.*
- b. *Alternate Item: Include work as shown on Drawing 28-AS-1 Storage Building Architectural/Structural Plan.*

##### 2. *Alternate No. 2: Sludge Building Roof Replacement:*

- a. *Base Bid Item: Does not include work as shown on Drawing 76-AS-1 Sludge Building Architectural/Structural Plan.*
- b. *Alternate Item: Include work as shown on Drawing 76-AS-1 Sludge Building Architectural/Structural Plan.*

##### 3. *Alternate No. 3: Door Replacement:*

- a. *Base Bid Item: Does not include work as shown on Drawing 100-A-1 Schedules Architectural Schedules and Plans and specification sections 08120, 08150, 08410 and 08800.*
- b. *Alternate Item: Include work as shown on Drawing 100-A-1 Schedules Architectural Schedules and Plans and specification sections 08120, 08150, 08410 and 08800.*

##### 4. *Alternate No. 4: Allowance:*

- a. *Base Bid Item: Does not include Replacement Allowance as specified in Section 01200 Price and Payment Procedures.*
- b. *Alternate Item: Include Replacement Allowance as specified in Section 01200 Price and Payment Procedures.*

##### 5. *Alternate No. 5: Install 440 E Cell Diffusers:*

- a. *Base Bid Item: Includes work as shown on Drawings 30-M-1 through 30-M-3 and as specified in Section 11367 Fine Bubble Aeration System.*
- b. *Alternate Item: Includes work as shown on Drawings 30-M-1 through 30-M-3 and as specified in Section 11367 Fine Bubble Aeration System with the exception of providing 440 – 9” fine bubble diffusers in Cell E or Grid E versus the 320 – 9” fine bubble diffusers as shown on plans and specified.*

## SECTION 11367 – FINE BUBBLE AERATION SYSTEM

### 1. Paragraph 1.1 C.1.

Revise this paragraph to read as follows:

1. *316L Stainless steel drop leg.*

### 2. Paragraph 1.4 B.6.

Directly following this paragraph add the following:

7. *Aeration Tank 1-3 Cell Dimensions:*

| <b>Cell</b> | <b>Length</b> | <b>Width</b>   | <b>Max Side Water Depth</b> |
|-------------|---------------|----------------|-----------------------------|
| <i>1D</i>   | <i>41'-6"</i> | <i>39'-10"</i> | <i>15.3'</i>                |
| <i>1E</i>   | <i>41'-6"</i> | <i>39'-10"</i> | <i>15.3'</i>                |
| <i>1F</i>   | <i>41'-6"</i> | <i>39'-10"</i> | <i>15.3'</i>                |
| <i>1G</i>   | <i>41'-6"</i> | <i>39'-10"</i> | <i>15.3'</i>                |
| <i>1H</i>   | <i>41'-6"</i> | <i>39'-10"</i> | <i>15.3'</i>                |
| <i>2D</i>   | <i>41'-3"</i> | <i>39'-6"</i>  | <i>15.3'</i>                |
| <i>2E</i>   | <i>41'-3"</i> | <i>39'-9"</i>  | <i>15.3'</i>                |
| <i>2F</i>   | <i>41'-9"</i> | <i>39'-9"</i>  | <i>15.3'</i>                |
| <i>2G</i>   | <i>41'-9"</i> | <i>39'-9"</i>  | <i>15.3'</i>                |
| <i>2H</i>   | <i>41'-3"</i> | <i>39'-9"</i>  | <i>15.3'</i>                |
| <i>3D</i>   | <i>41'-3"</i> | <i>39'-9"</i>  | <i>15.3'</i>                |
| <i>3E</i>   | <i>41'-3"</i> | <i>39'-9"</i>  | <i>15.3'</i>                |
| <i>3F</i>   | <i>41'-9"</i> | <i>39'-9"</i>  | <i>15.3'</i>                |
| <i>3G</i>   | <i>41'-9"</i> | <i>39'-9"</i>  | <i>15.3'</i>                |
| <i>3H</i>   | <i>41'-3"</i> | <i>39'-9"</i>  | <i>15.3'</i>                |

*Note:*

*Dimensions are based on Construction record documents. Contractor to verify dimensions of existing structure.*

## DRAWINGS

### DRAWING 28-AS-1 – STORAGE BUILDING ARCHITECTURAL/STRUCTURAL PLAN

1. Roof Plan – Delete Section A callout from plan.
2. Roof Plan – Revise the note at the existing sky light from “EXISTING SKY LIGHT” to “REMOVE EXISTING SKY LIGHT AND CURB, AND INFILL OPENING SIM TO (07909) WITH 2X8 JOINTS @ 16” O.C. MAX”.
2. Section A – Delete Section A from the drawing.

### DRAWING 32-R-1 – AERATION BASINS REMOVAL PLAN

1. Add the following General Note below note number 4.
  5. REMOVE EXISTING AERATION SYSTEM SUPPORTS AND CUT EXISTING AERATION SUPPORT ANCHORS FLUSH WITH FLOOR OR WALL.

### DRAWING 32-M-3 – AERATION BASINS Mechanical sections & details

1. Section A – Revise the note to header from “9” CERAMIC DISH, TYP” to “9” MEMBRANE DIFFUSER”.

### DRAWING 76-AS-1 – SLUDGE BUILDING ARCHITECTURAL/STRUCTURAL PLAN

1. Roof Plan – Revise the note in the northeast corner from “EXST FLUE ...” to “REMOVE EXISTING ABANDONED FLUE”.

### DRAWING 101-AS-1 – STANDARD DETAILS ARCHITECTURAL/STRUCTURAL DETAILS

1. Add attached standard details 03601, 03602 and 03611 to the drawing.
2. Revise Roof Drain Detail 07502 by revising the note at the roof drain from “DRAIN BY MC” to “16” DIAMETER, LOW PROFILE DOME, BOTTOM OUTLET ROOF DRAIN WITH COMBINED FLASHING CLAMP AND GRAVEL STOP, CAST IRON BODY, NO HUB OUTLET, CAST IRON VANDAL PROOF DOME, EXTENSION COLLAR, UNDERDECK CLAMP AND SUMP RECEIVER, SIZE TO MATCH EXISTING, J.R. SMITH MODEL 1010 OR EQUAL.” Also revise note at the roof drain from “CLAMP RING BY MC” to “CLAMP RING”.

# **BID FORM**

## **BID NUMBER: 17013**

PROJECT NAME: Vernon Hills NCT WRF Phase 2 – 2017 Improvements

Project Number: PW# 2017.003

for the Lake County Public Works Department  
Lake County, Illinois

THIS BID IS SUBMITTED TO:

Lake County Public Works Department  
650 West Winchester Road  
Libertyville, IL 60048

(hereinafter called OWNER)

- 1) The undersigned Bidder proposes and agrees, if this bid is accepted, to enter into an Agreement with OWNER in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Bid Price and within the Bid Times indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.
- 2) Bidder accepts all of the terms and conditions of the Official Notice to Bidders and Instructions to Bidders, including without limitation those dealing with the disposition of the Bid Security. This Bid will remain open for the period of time specified in the Official Notice to Bidders after the day of Bid opening. Bidder will sign and deliver the required number of counterparts of the Agreement with the Bonds, evidence of insurance coverage, and other documents required by the Bidding Requirements within 10 days after the date of OWNER's Notice of Award.
- 3) In submitting this Bid, Bidder represents, as more fully set forth in the Agreement, that:
  - a) Bidder has examined and carefully studied all the Bidding Documents and Addenda, receipt of all which is hereby acknowledged.
  - b) Bidder has visited the site and become familiar with and satisfied itself as to the general, local, and site conditions that may affect cost, progress, performance and furnishing of the Work;
  - c) Bidder is familiar with and has satisfied itself as to all federal, state, and local laws and regulations that may affect cost, progress, performance, and finishing of the Work.
  - d) Bidder acknowledges that OWNER and ENGINEER do not assume responsibility for the accuracy or completeness of information and data shown or indicated in the Bidding Documents with respect to Underground Facilities at or contiguous to the site. Bidder has

obtained and carefully studied (or assumes responsibility for having done so) all such examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the site or otherwise which may affect cost, progress, performance or furnishing of the Work or which relates to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder and safety precautions and programs incident thereto. Bidder does not consider that any additional examinations, investigations, explorations, tests, studies or data are necessary for the determination of this Bid for performance and furnishing of the Work in accordance with the time, price, and other items and conditions of the Contract Documents.

- e) Bidder is aware of the general nature of the Work to be performed by OWNER and others at the site that relates to Work for which the Bid is submitted as indicated in the Contract Documents.
  - f) Bidder has correlated the information known to Bidder from information and observation obtained from visits to the site, reports, and drawings identified in the Contract Documents and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.
  - g) Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to Bidder, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work for which the Bid is submitted.
  - h) This Bid is genuine and not made in the interest or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, or organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm or a corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.
  - i) Bidder certifies that Bidder is not barred from bidding on this Contract as a result of a conviction for either bid-rigging or bid-rotating under the provisions contained in chapter 38, Paragraphs 33E-3 and 33E-4 of the Illinois Revised Statutes.
- 4) Bidder will complete the work in accordance with the Contract Documents, for the following price:

|  |              |
|--|--------------|
| Lump Sum Bid Price for Base Bid                  | \$           |
| Alternative 1: Storage Building Roof Replacement | \$           |
| Alternative 2: Sludge Building Roof Replacement  | \$           |
| Alternative 3: Door Replacement                  | \$           |
| Alternative 4: Allowance                         | \$ 50,000.00 |
| Alternative 5: Install 440 E cell diffusers      | \$           |

- 5) Bidder agrees that the work will be substantially completed and ready for final payment in accordance with Paragraph 15.06B.1 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6) Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the work within the times specified in the Agreement.
- 7) The following document is attached and made a condition of this Bid:

Required Bid Security in the form of \_\_\_\_\_  
(Certified Check or Bid Bond)

in the amount of \_\_\_\_\_  
(Dollars or Percent)

- 8) Communications concerning this Bid shall be addressed to the Bidder as indicated below:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

State: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

- 9) The terms used in this Bid are defined in the General Conditions of the Construction Contract or the Instructions to Bidders.

I hereby certify that as Bidder I/we have examined and carefully prepared this Bid from the Bidding Documents and have checked the Bidding Documents in detail before submitting this Bid, and that all statements herein are made on behalf of:

**An Individual:** By (Written) \_\_\_\_\_  
(Typed) (Individual's Name)

doing business as \_\_\_\_\_  
Business address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Phone No.: \_\_\_\_\_

**A Partnership:** By \_\_\_\_\_ (Firm Name)

By (Written) \_\_\_\_\_  
(Typed) (General Partner)

Business Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Phone No.: \_\_\_\_\_

**A Corporation:** By \_\_\_\_\_ (Corporation Name)  
\_\_\_\_\_  
(State of Incorporation)

By (Written) \_\_\_\_\_  
(Typed) (Name of Person Authorized to Sign)  
(Title) (Corporate Seal)

Attest (Written) \_\_\_\_\_  
(Typed) (Secretary)



Business address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone No.: \_\_\_\_\_

***A Joint Venture:*** By (Written) \_\_\_\_\_  
(Typed) (Name)

\_\_\_\_\_ (Address)

By (Written) \_\_\_\_\_  
(Typed) (Name)

\_\_\_\_\_ (Address)

Phone number and address for receipt of official communications:

\_\_\_\_\_

\_\_\_\_\_

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above).

Sworn and subscribed to before me this

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_ .

\_\_\_\_\_  
Notary or other officer authorized to administer oaths

My commission expires: \_\_\_\_\_

Bidders shall not add any conditions or qualifying statements to this Bid as otherwise the Bid may be declared irregular as being not responsive to the advertisement. **BIDDERS SHALL USE THIS BID FORM IN SUBMITTING THEIR BIDS.**

**Schedule A – Base Bid Amount Details**

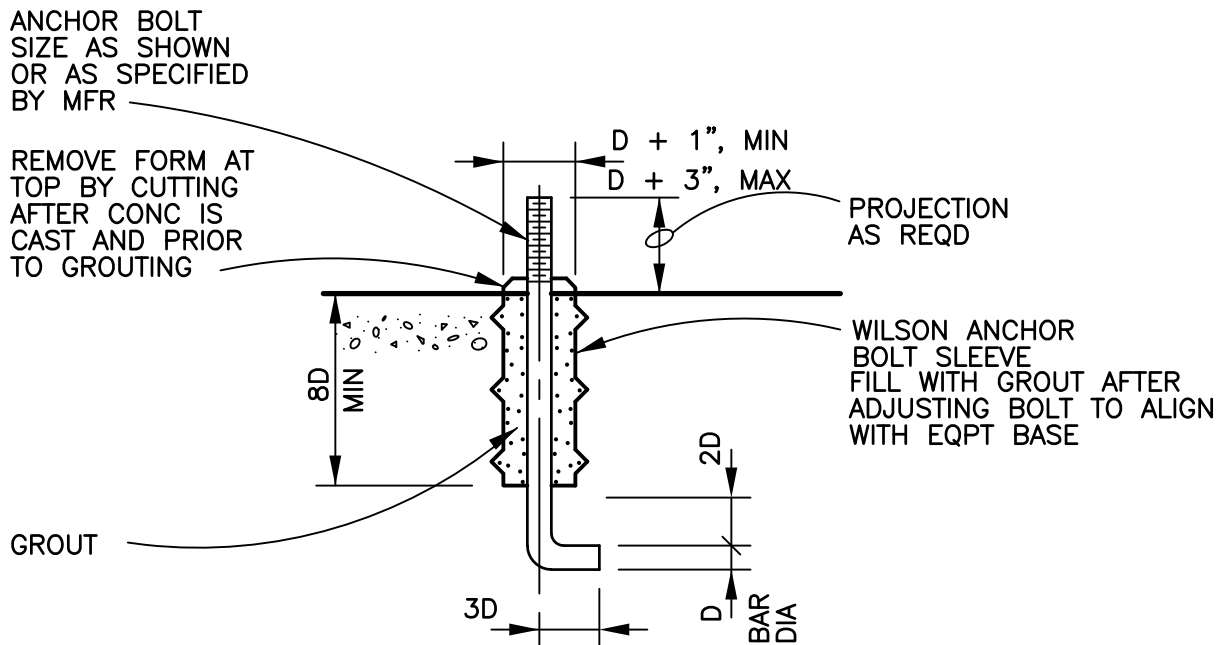
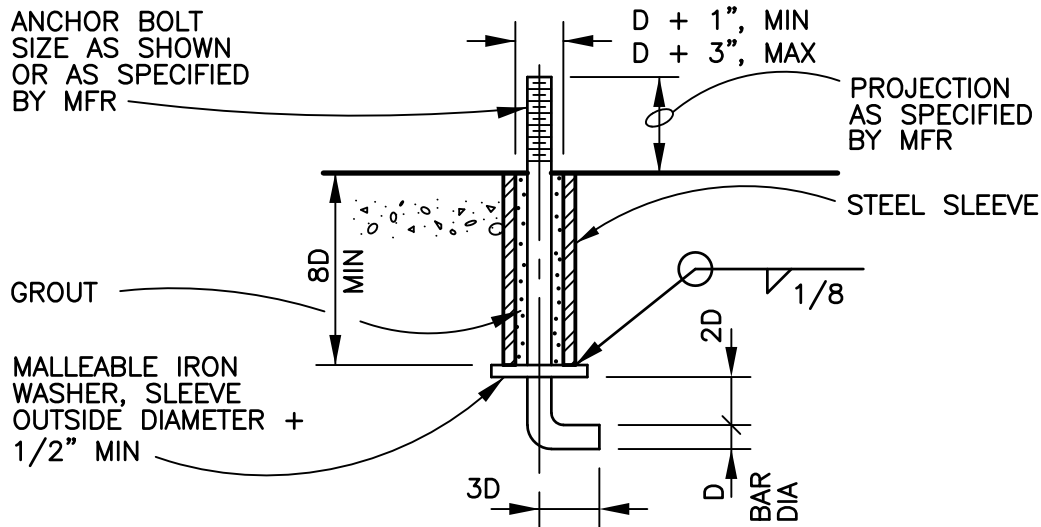
| <b>WORK ITEM NO.</b> | <b>WORK ITEM DESCRIPTION<br/>(refer to plan sheet 05-G-1)</b>   | <b>AMOUNT</b> |
|----------------------|---|---------------|
| 1                    | Group 90 Siding Replacement - Includes demolition and disposal of existing siding along with furnishing and installation of new siding  | \$            |
| 2                    | Group 75 Lighting Replacement - Includes demolition and disposal of existing lighting system along with furnishing and installation of new lighting system                        | \$            |
| 3                    | Group 71 Lighting Replacement - Includes demolition and disposal of existing lighting system along with furnishing and installation of new lighting system                        | \$            |
| 4                    | Building 90 Boiler Replacement - Includes demolition and disposal of existing boiler /HVAC system along with furnishing and installation of new boiler /HVAC system               | \$            |
| 5                    | Building 90 Makeup Air Unit Replacement - Includes demolition and disposal of Makeup air unit /HVAC system along with furnishing and installation of Makeup air unit /HVAC system | \$            |
| 6                    | Building 90 Roofing Replacement - Includes demolition and disposal of existing roofing along with furnishing and installation of new roofing                                      | \$            |
| 7                    | Building 81 Roofing Replacement - Includes demolition and disposal of existing roofing along with furnishing and installation of new roofing                                      | \$            |
| 8                    | Group 32 Aeration Basin Improvements - Includes demolition and disposal of existing aeration system along with furnishing and installation of new aeration system                 | \$            |
| 9                    | Group 85 Electrical Improvements - Includes furnishing and installation of new electrical system  | \$            |
|                      | <b>Total Base Bid Amount</b> (sum of items 1 through 9)   | \$            |

Bidders may complete and submit Schedule A – Base bid amount details, to the engineer up to 24 hours after the bids are received. If not included with the bid, e-mail a completed copy of Schedule A to the Engineer at [patraeger@ati-ae.com](mailto:patraeger@ati-ae.com)

1. PAD SIZE SHALL BE MINIMUM SHOWN ON PLANS OR AS SPECIFIED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER.
2. THE SIZE, NUMBER, TYPE, LOCATION AND THREAD PROJECTION OF THE ANCHOR BOLTS SHALL BE AS SPECIFIED BY THE EQUIPMENT MANUFACTURER.
3. BOLTS SHALL BE HELD IN POSITION WITH A TEMPLATE WHILE PAD IS BEING POURED.
4. ANCHOR BOLT SLEEVES SHALL BE AS DETAILED IN (03602) .
5. EQUIPMENT BASES SHALL BE INSTALLED LEVEL UNLESS SPECIFIED OTHERWISE.
6. WEDGES OR SHIMS SHALL BE USED TO SUPPORT THE BASE WHILE THE NON-SHRINK GROUT IS PLACED. TEMPORARY LEVELING NUTS SHALL BE BACKED OFF. IF LEFT IN, THE WEDGES OR SHIMS SHALL NOT BE EXPOSED TO VIEW.

## EQUIPMENT PAD NOTES

03601



## ALTERNATIVE

### NOTES:

1. THE SIZE, NUMBER, TYPE, LOCATION AND THREAD PROJECTION OF THE ANCHOR BOLTS SHALL BE AS SPECIFIED BY THE EQUIPMENT MANUFACTURER.
2. BOLTS SHALL BE HELD IN POSITION WITH A TEMPLATE WHILE PAD IS BEING Poured.
3. ANCHOR BOLT SLEEVES SHALL BE USED TO PROVIDE THE ANCHOR BOLT A MINIMUM ADJUSTMENT OF 1/2" IN ALL DIRECTIONS.
4. THE MINIMUM SLEEVE LENGTH SHALL BE 8 TIMES THE BOLT DIAMETER. SLEEVES SHALL HAVE A MINIMUM INTERNAL DIAMETER 1" GREATER THAN BOLT DIAMETER AND A MAXIMUM INTERNAL DIAMETER 3" GREATER THAN ANCHOR BOLT DIAMETER.
5. SLEEVES SHALL BE FILLED WITH NON-SHRINK GROUT AFTER ADJUSTMENTS ARE COMPLETED.

# SLEEVED ANCHOR BOLT

NTS

03602

EQUIPMENT BASE

#5@12", TYP

2" MIN ALL AROUND

1 1/2" FLOWABLE NON-SHRINK GROUT

#5@12"

AS REQ'D FOR EQUIPMENT, BOLTS AND PIPING (5 1/2" MINIMUM)

NEW OR EXISTING SUSPENDED SLAB OR SLAB ON GRADE, FOR THICKNESS SEE PLANS

**NOTE:**

SEE EQUIPMENT PAD NOTES, (03601) .

# EQUIPMENT PAD

NTS

ANCHOR BOLT, SEE (03601) & (03602)  
PLACE IN SLAB IF PAD THICKNESS IS OF INSUFFICIENT THICKNESS TO PROVIDE EMBEDMENT

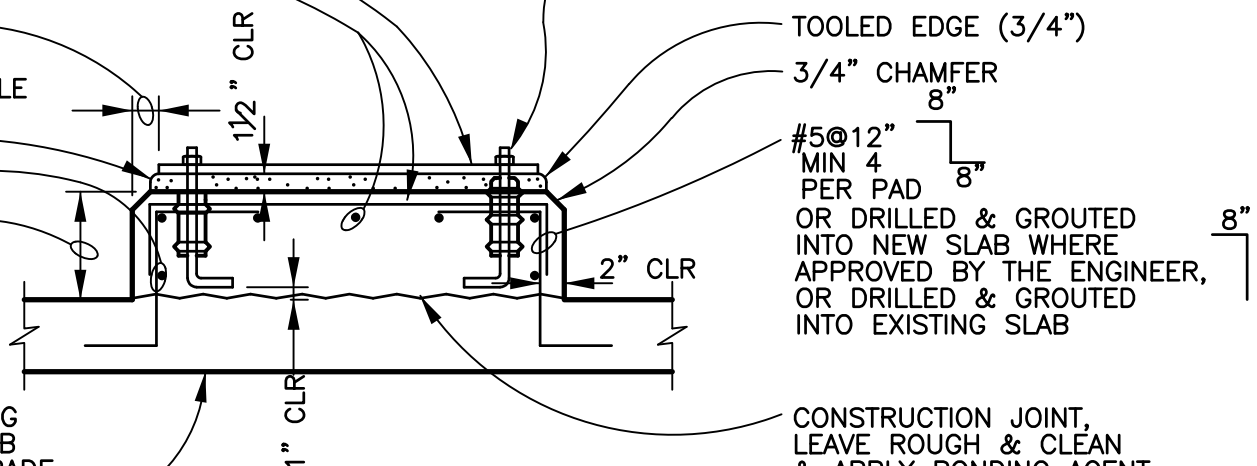
TOOLED EDGE (3/4")

3/4" CHAMFER

#5@12"  
MIN 4 PER PAD

OR DRILLED & GROUDED INTO NEW SLAB WHERE APPROVED BY THE ENGINEER, OR DRILLED & GROUDED INTO EXISTING SLAB

CONSTRUCTION JOINT, LEAVE ROUGH & CLEAN & APPLY BONDING AGENT. IF EXISTING SLAB ROUGHEN SURFACE & APPLY BONDING AGENT.



(03611)