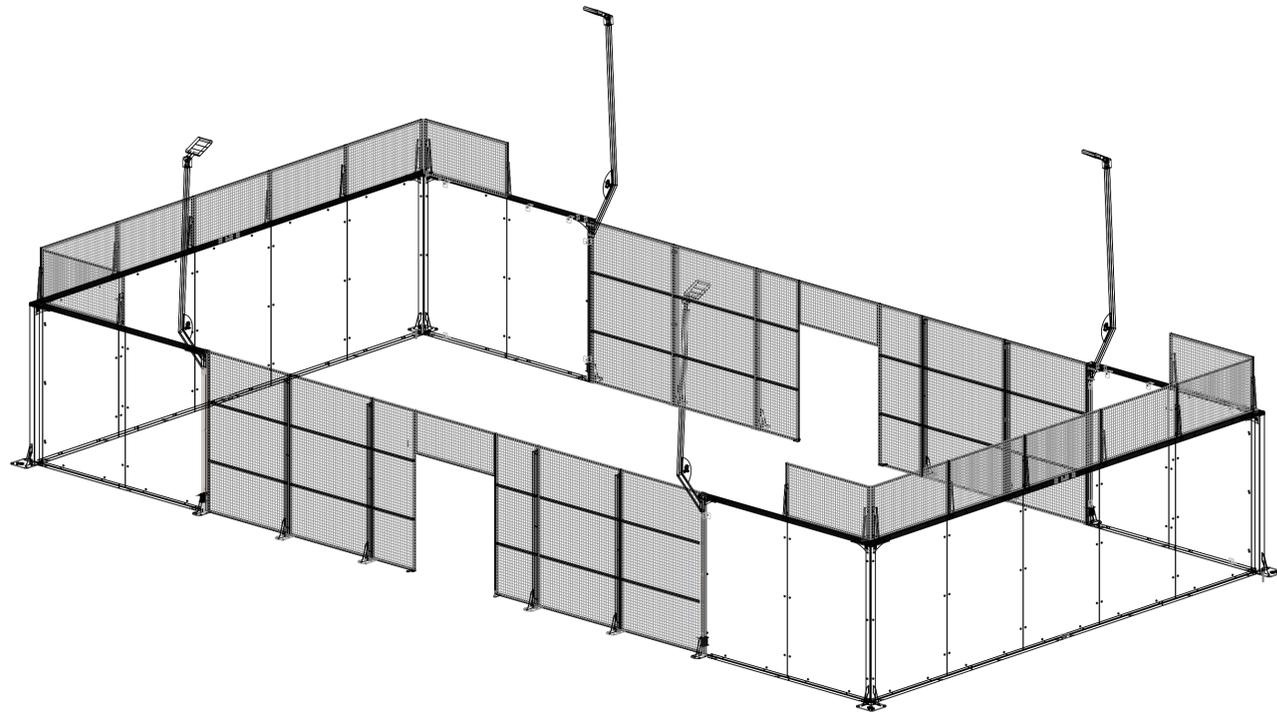


# PADEL PANORAMIC



**NOT FOR CONSTRUCTION.**  
Project site specific parameters to be verified by project Engineer of Record or Delegated Engineer.

## SOILS

1. Assumed soil vertical bearing capacity: 1,500 psf
2. Care must be taken in preparing the sub-grade and protecting the sub-grade from disturbance during the course of setting forms, reinforcing, etc.
3. Bear footings on undisturbed virgin soil and remove areas of fill encountered and replaced with imported granular structural fill compacted to 95% as tested by the modified proctor test method (ASTM D1557).

## STRUCTURAL STEEL

1. Detail, fabricate and erect structural steel in accordance with AISC specifications and code of standard practice (AISC 360/AISC 303).
2. Steel anchor plates, clip angles, reinforcement channels and bars shall meet ASTM A-36 Steel & ASTM A572 Gr. 50 Steel.
3. Steel tubes shall meet ASTM A-500, Grade B, Fy = 46 ksi.

## CONCRETE

1. Concrete shall meet the following:  
28 day strength = 4,000 psi, normal weight, cracked. Concrete mix designed by others.
2. Proportioning of materials shall be in accordance with ACI 211.1-Latest "Recommended Practice for Selecting Proportions for Normal, Heavyweight and Mass Concrete."  
Maximum aggregate size shall be 1-1/2" for footings, 3/4" for slabs, walls and columns and 3/8" for toppings. Minimum cement content for floors shall be 5-1/2 bags of cement per cubic yard. Maximum water-cement ratio 0.45. Proportion concrete mixes for a 3" to 4" slump.

Provide an approved Air Entraining Admixture conforming to ASTM C260 and ACI 318 table 4.4.1 for all concrete exposed to freeze thaw conditions.

All concrete mixes may contain an approved non-chloride Water Reducing Admixture in accordance with ASTM C494, Type A. All concrete mixes shall contain a Water-Reducing Admixture except where other Water-Reducing type Admixture is required in the same concrete mix.

Provide an approved non-chloride non-corrosive Accelerator conforming to ASTM C494, Type C or E for all concrete flatwork poured at an ambient temperature of less than 50 degrees F. Provide an approved Water-Reducing Retarding Admixture conforming to ASTM C494, Type D for all concrete flatwork poured at an ambient temperature of 80 degrees F or higher.

Where more than one admixture is used in a concrete mix, provide substantiating data that indicates that these admixtures are compatible without producing detrimental or unpredictable results. Use admixtures from one manufacturer only provide the proper admixture quantities based upon total cementitious materials in accordance with the manufacturer's recommendations to achieve the desired results for specific site conditions and concrete materials. Maximum water soluble chloride ion concentrations in hardened concrete at an age of 28 days contributed from all ingredients including water, aggregates, cementitious materials and admixtures shall not exceed 0.10 percent.

8. Protect all concrete and grout from premature drying, excessively hot or cold temperature, and mechanical injury. Maintain concrete and grout with minimum moisture loss at relatively constant temperature for the required curing period. When the mean daily ambient temperature is less than 40 degrees F, provide temporary heat, insulating blankets, etc. So as to maintain the temperature of the concrete and grout at a minimum of 50 degrees F for 7 days. Provide adequate venting for equipment exhaust.
9. Cure concrete and grout such that the maximum moisture loss does not exceed 0.55 kg/m<sup>2</sup> in 72 hours when tested in accordance with ASTM C156. Approved methods include approved curing compounds or soaking with water and covering with polyethylene sheets. Water cure slabs to receive toppings, grout beds, resinous flooring or other special coatings.

## REINFORCING STEEL

1. Reinforcing bars to be ASTM A615, Fy = 60 ksi.
2. Provide bolsters, chairs, dowel blocks, standees and #4 support bars as required to support specified reinforcement at spacings not to exceed 4'-0" in either direction. Tie securely together to hold steel in position.
3. Welding of reinforcement is not permitted. Field bending of reinforcement is not permitted.
4. Concrete cover for reinforcing steel, unless otherwise shown, shall be as follows:  
Footings 3" clear from bottom & sides, 2" clear from top  
Slab-On-Grade 1/2 slab thickness from top, but not less than 3/4" nor greater than 2"
5. All reinforcing bars shall be fabricated in accordance with ACI 318 and ACI Detailing Manual SP-66. Provide "standard hooks" unless otherwise noted. Specified bar length does not include length of hook. Place hooked end of bar 2" clear from edge of concrete, unless otherwise noted.
6. All laps shall be Class "B", unless noted otherwise. Use "top bar" lap lengths for all horizontal wall bars and for top bars in slabs and beams over 14" deep. Mechanical couplers capable of developing the full tensile capacity of the bars may be used at any lap location.
7. Corner bars shall be provided at all wall corners and intersections.
8. Welding of reinforcing is not permitted.

## SCOPE OF WORK

Work detailed on these drawings and applicable items described in the General Structural Notes.

These drawings are for concrete and anchor locations **ONLY**.

The following items are excluded from our Structural Design or designed by others.

- Light Assemblies, including luminaries
- Glass Panels
- Mesh Panels

Provide any changes to the structure to the engineer to be reviewed and approved in writing prior to commencing work on items affected.

Do not scale drawings for dimension not given.

## GENERAL NOTES

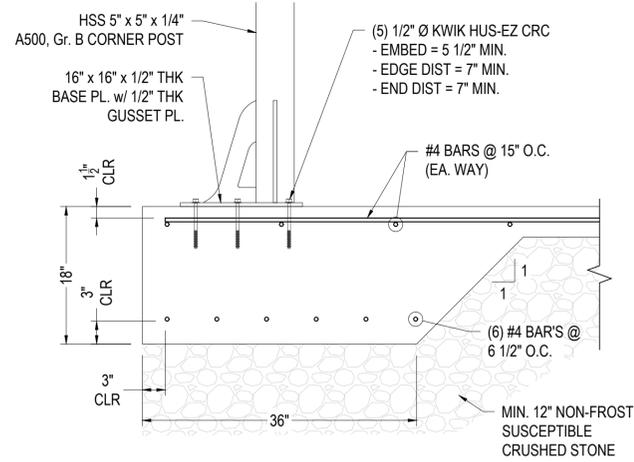
1. Design per ASCE 7-16 (IBC 2018)  
Risk category - I  
Wind velocity - 130 mph  
Exposure - B  
\* Wind - Ultimate design wind speed (3-second gust)  
Exposure B = 130 mph  
Exposure C = 106 mph  
Exposure D = 96 mph  
\* Note: Windspeed can increase to the following if glass is removed:  
Exposure B = 202 mph  
Exposure C = 165 mph  
Exposure D = 150 mph
2. Aluminum extrusions = 6061-T6 or BETTER ALLOY
3. Screws & bolts = Grade 5 (Fy = 85 ksi, Fu = 120 ksi, MIN)
4. Field & shop welding = E70 or better
5. Concrete anchors shall be HILTI thread cutting type
6. Design of material separation to prevent reaction between dissimilar material, not by Rice Engineering, Inc.

## DISCLAIMER:

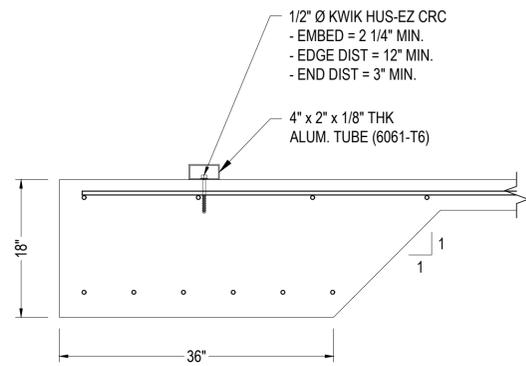
THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF STRUCTURAL COMPONENTS OF THIS BARRIER NETTING SYSTEM. IT DOES NOT INCLUDE RESPONSIBILITY FOR:

- STRUCTURAL DESIGN OF HARDWARE, CLEAVISES AND TURNBUCKLES.
- MISC. PLATES, TIES AND HARDWARE.
- DESIGN OF AIR AND WATER INFILTRATION PREVENTION.
- THE MANUFACTURE, ASSEMBLY OR INSTALLATION OF THE SYSTEM.
- QUANTITIES OF MATERIALS OR DIMENSIONAL ACCURACY OF DRAWINGS.

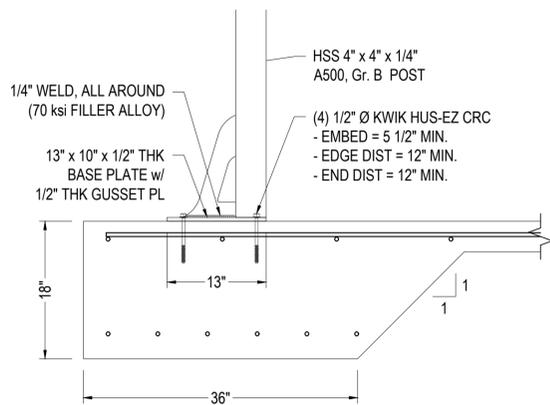
	PROJECT: Padel Panoramic R & D	SHEET TITLE: COVER SHEET
	CUSTOMER: SPORTSFIELD SPECIALITES	SHEET: 01
105 School Creek Trail Luxemburg, WI 54217 Phone: 920.617.1042 Fax: 920.617.1100 www.rice-inc.com    linkedin    facebook	DATE: 08-04-25	DRAFTED BY: MPB



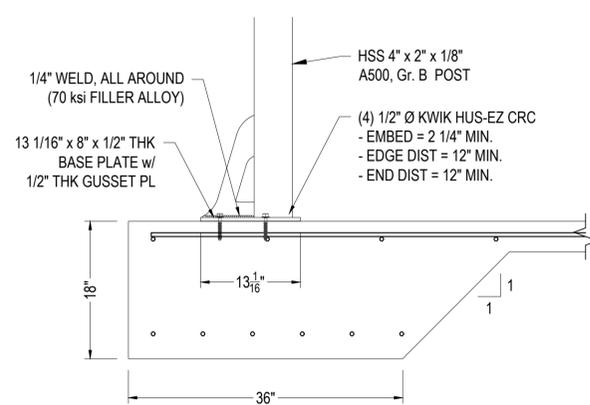
**01 THICKENED EDGE DETAIL at CORNER POST**  
SCALE: 1" = 1'-0"



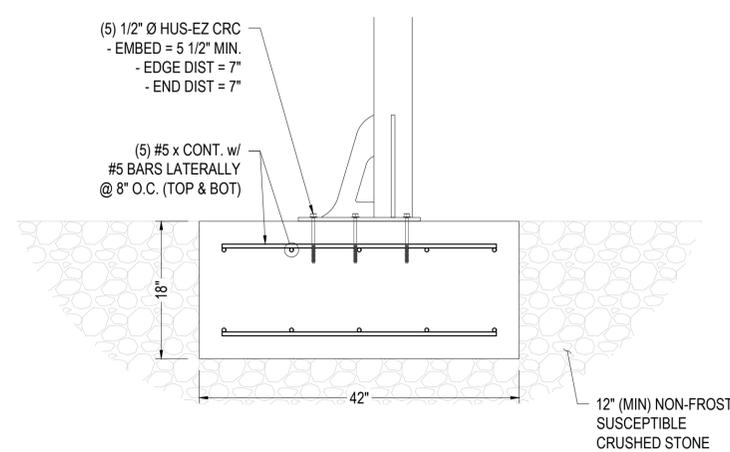
**02 THICKENED EDGE DETAIL at ALUM. TUBE SILL**  
SCALE: 1" = 1'-0"



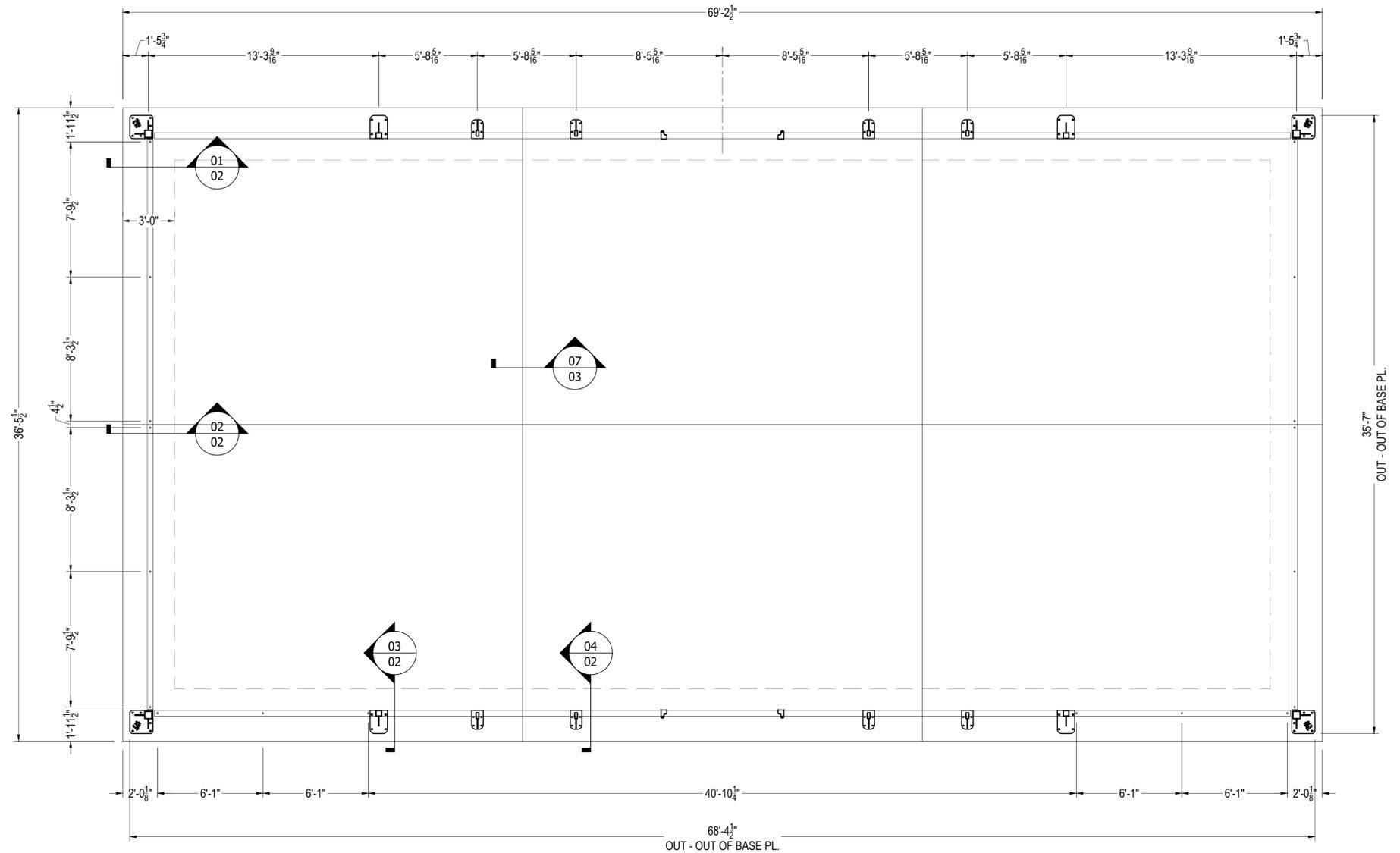
**03 THICKENED EDGE DETAIL at LIGHT POLE**  
SCALE: 1" = 1'-0"



**04 THICKENED EDGE DETAIL at MESH POLE**  
SCALE: 1" = 1'-0"



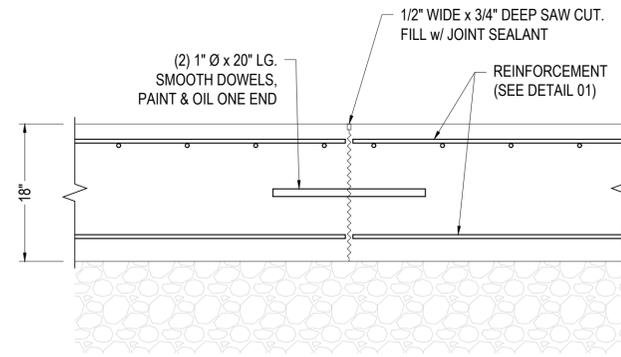
**05 OPTION 2: BLOCK FOUNDATION DETAIL**  
SCALE: 1" = 1'-0"



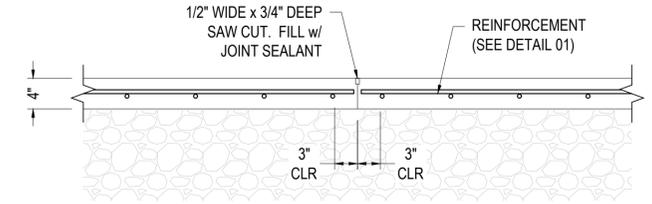
**FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"

**FOUNDATION PLAN NOTES:**

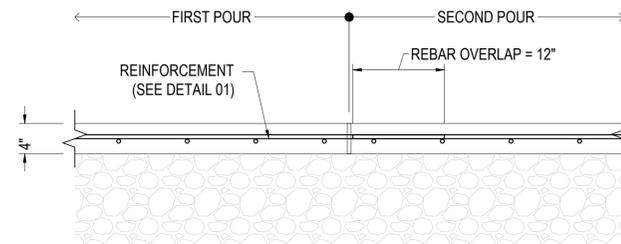
1. FINISH SLAB ELEVATION = 100'-0" LOCAL DATUM, UNLESS NOTED OTHERWISE.
2. SLAB ON GRADE TO BE 4" THICK w/ #4 BARS EACH WAY ON VAPOR RETARDER ON 12" FREELY DRAINING GRANULAR BASE COURSE, UNLESS NOTED OTHERWISE.
3. SPACE CONSTRUCTION AND CONTROL JOINTS AS SHOWN ON PLAN. RESULTING SECTIONS SHALL BE APPROXIMATELY SQUARE OR TRIANGULAR.



**06 CONTROL JOINT at THICKENED EDGE**  
SCALE: 1" = 1'-0"

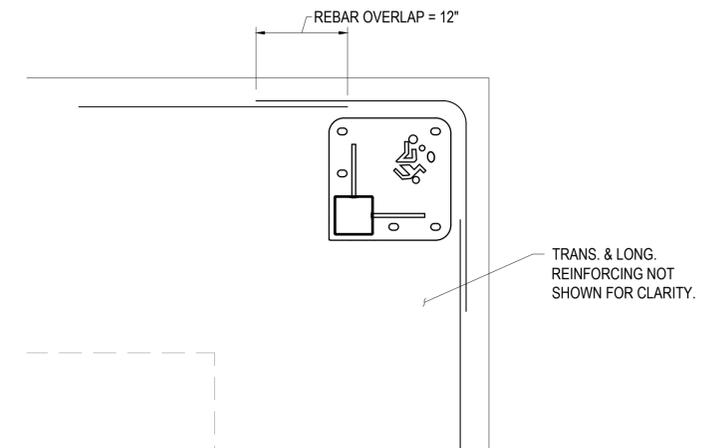


**07 CONTROL JOINT at SLAB**  
SCALE: 1" = 1'-0"



- NOTES:
1. SUBMIT LOCATIONS OF CONSTRUCTION JOINTS FOR APPROVAL PRIOR TO PLACEMENT.
  2. ALLOW A MIN. OF 48 HOURS BETWEEN ADJACENT POURS.
  3. CONSTRUCTION JOINT IS OPTIONAL.

**08 CONSTRUCTION JOINT**  
SCALE: 1" = 1'-0"



**09 CORNER REINFORCING**  
SCALE: 1" = 1'-0"