

### **FOUNDATION PLAN NOTES:**

- 1. DATUM FOR ALL ELEVATIONS SHOWN ON THIS PLAN ARE SET RELATIVE TO FINISHED FIRST FLOOR ELEVATION [261.00'].
- 2. ALL CONCRETE PEDESTALS SHALL BE SIZED AS SHOWN IN THE COLUMN PIER SCHEDULE AND CONSTRUCTED AS PER DETAIL 2/S500.00 UNLESS OTHERWISE NOTED.
- 3. ALL EXCAVATED EARTH SHALL BE REPLACED WITH CONTROLLED FILL AS PER SPECIFICATION 312323. AS STATED IN GEOTECHNICAL REPORT, COMPLETELY REMOVE & REPLACE EXISITING FILL THROUGHOUT BUILDING EXTENTS DOWN TO A DEPTH RANGING FROM 5'-0" TO 8'-5" BELOW EXISTING GROUND SURFACE.
- 4. CONTRACTOR SHALL COORDINATE SIZES AND LOCATIONS OF ALL REQUIRED PIPING AND CONDUIT PENETRATION WALL WITH ALL OTHER WORK. PROVIDE PIPE SLEEVES AND REINFORCEMENT AROUND PENETRATIONS AS PER DETAIL 9 ON \$500.00
- 5. REFER TO 'FOOTING SCHEDULE' FOR FOOTING SIZE AND REINFORCEMENT REQUIREMENTS.
- 6. COORDINATE LOCATIONS OF REINFORCEMENT DOWELS INTO **BUILDING WALLS WITH MASONRY TRADE.**
- 7. REFER TO 'A' DWGS FOR WATERPROOFING AND INSULATION REQUIREMENTS.
- 8. REFER TO THE PROJECT SPECIFICATION SECTION 133419 FOR
- METAL BUILDING LOAD REQUIREMENTS NOT OUTLINED.
- 9. GRID LOCATIONS AND DESIGNATIONS ARE SHOWN FOR REFERENCE. INDIVIDUAL COLUMN SIZES, LOCATIONS, AND ANCHOR BOLT OFFSETS SHALL BE ESTABLISHED FROM THE FOUNDATION EDGE AS PER THE APPROVED BUILDING MANUFACTURER'S DETAILS. ANCHOR BOLT SIZES, LOCATIONS, & EMBEDMENT SHALL BE PROVIDED BY BUTLER MANUFACTURING.
- 10. CONTRACTOR SHALL COORDINATE INSTALLATION OF ANCHOR BOLTS WITH LAYOUT PER BUILDING MANUFACTURER'S DETAILS. THE CONTRACTOR SHALL COORDINATE THE REQUIRED ANCHOR BOLT AND ADHESIVE TYPES ALONG WITH NECESSARY EMBEDMENT DEPTH OF ANCHOR, WITH RESPECT TO THE BUILDING COLUMN AXIAL AND SHEAR REACTIONS, WITH CONSIDERATION FOR CAPACITY REDUCTION DUE TO ANCHOR EDGE DISTANCE. CALCULATIONS FOR ADHESIVE ANCHOR INSTALLATION SHALL BE PREPARED UNDER THE SUPERVISION OF A NEW YORK STATE PROFESSIONAL ENGINEER AND SHALL BE SUBMITTED TO E/A OF RECORD FOR APPROVAL

### **SLAB PLAN NOTES**

- 1. DATUM FOR ALL ELEVATIONS SHOWN ON THIS PLAN ARE SET RELATIVE TO FINISHED FIRST FLOOR ELEVATION [261.00'].
- 2. PROVIDE 1/2" PRE-MOLDED EXPANSION JOINT AROUND PERIMETER OF CONCRETE SLAB ON GRADE WHERE IT ABUTS THE FOUNDATION WALL OF THE BUILDING.
- 3. COORDINATE DIMENSIONS OF STAIR LANDING FRAMING WITH STAIR MANUFACTURER. SEE 'A' DWGS FOR ADDITIONAL INFORMATION.

## **MASONRY NOTES:**

- 1. ALL VERTICAL MASONRY WALL REINFORCEMENT SHALL BE #5 BARS SPACED AT 48" O.C., TYP. UNLESS OTHERWISE NOTED.
- 2. THE FIRST CELL ADJACENT TO MASONRY OPENINGS, AS WELL AS ALL CORNERS, SHALL CONTAIN (1) CONT. #5 BAR, TYP. AT EACH SIDE OF OPENING.
- 3. FILL ALL MASONRY CELLS CONTAINING REINFORCEMENT SOLID WITH MORTAR, TYP.
- ALL VERTICAL REINFORCEMENT INTERRUPTED BY STRUCTURAL STEEL SHALL BE WELDED TO TOP OF STEEL MEMBERS, TYP.
- 5. COORDINATE PLACEMENT OF VERTICAL WALL DOWELS

**DESIGNATION** 

CP2

CP3

MARK

5"x4"x1/4" STEEL

BASEPLATE, FASTENED W/

ANCHORS EMBEDDED 2 1/2"-

(4) 3/8" Ø HILTI KH-EZ

**12GA CONTINUOUS** 

POUR STOP —

**COUNTERSUNK SCREW** 

SIZE

24"x32"

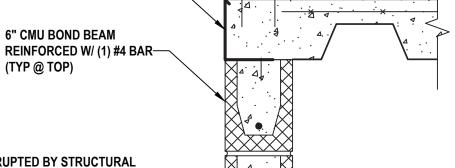
32"x32"

31.25"x32"

SIZE

7'-6"x7'-6"

EMBEDDED INTO FOUNDATION WALL WITH CELLS OF MASONRY WALL, DOWEL SPACING TO MATCH SPACING OF VERTICAL REINFORCEMENT IN WALLS, TYP.



Typical Mezzanine Guardrail

SCALE: 1/2"=1'-0"

REINFORCEMENT

(3) #6 BARS E-W FACE

(4) #6 BARS N-S FACE

(10 BARS TOTAL)

(4) #6 BARS E-W FACE

(4) #6 BARS N-S FACE

(12 BARS TOTAL)

(4) #6 BARS E-W FACE

(4) #6 BARS N-S FACE

(12 BARS TOTAL)

FOOTING SCHEDULE

REINFORCEMENT

(7) #5 BARS E.W. BOTT

- 5" CONCRETE SLAB

6x6-W1.4xW1.4 W.W.F.

**COMPOSITE METAL FORM** 

**DECK AS MANUFACTURED** 

BY VULCRAFT NUCOR OR

2" STD STEEL PIPE

SLEEVE, 6" LG. -

**AND 3VLI-36 16GA** 

APPROVED EQUAL.

REINFORCED W/

THICKNESS

12"

- 1 1/2" STD. STEEL PIPE

SPACING @ 5'-0" O.C.

**RAIL. MAX POST** 

\_\_1/4" x 4"

**TOE PLATE** 

**TIES** 

#3 BARS @ 12" O.C.

#3 BARS @ 12" O.C.

#3 BARS @ 12" O.C.

LOCATIONS

SEE FND. PLAN

FOR TYPICAL RAIL

FOR REMOVABLE RAIL

NOTE: REFER TO 'A' DWGS FOR

REMOVABLE RAIL LOCATION

(4) 3/8" Ø HILTI KH-EZ

COUNTERSUNK

**SCREW ANCHORS** 

EMBEDDED 2 1/2"

(2) 1/2" Ø A325

SPACED 3" O.C.

OF 2" STD PIPE

STD PIPE

COUNTERSUNK **SCREW ANCHORS** 

EMBEDDED 2 1/2"

SLEEVE TO 1 1/2

(4) 3/8" Ø HILTI KH-EZ

FOR ATTACHMENT

THRU BOLTS

LEGEND:

= TOP OF PIER = TOP OF WALL

= TOP OF BRICK SHELF

= BOTTOM OF WALL

= EXPANSION JOINT

= CONTROL JOINT

= UNLESS OTHERWISE NOTED

= INDICATES SPAN OF 8" CONCRETE

LAYERS OF 6x6 - W4.0xW4.0 W.W.F.

= INDICATES SPAN OF 5" CONCRETE

SLAB REINFORCED W/ 6x6-W1.4xW1.4

W.W.F. AND 3VLI-36 16GA COMPOSITE

MANUFACTURED BY VULCRAFT

**NUCOR OR APPROVED EQUAL.** 

METAL FORM DECK AS

SLAB ON GRADE REINFORCED W/ (2)

= CATCH BASIN

= TOP OF FOOTING

= TOP OF SLAB

engineers

538 Broad Hollow Road, 4th Floor East Melville, NY 11747 631.756.8000 • www.h2m.com

MARK	DATE	DESCRIPTION
2	12/22/2022	REVS. PER TOWN COMMENTS



# **VAILS GATE FIRE DISTRICT**

**New Storage Building (Phase I)** New Fire Station (Phase II)



**872 Blooming Grove Turnpike** New Windsor, NY 12553

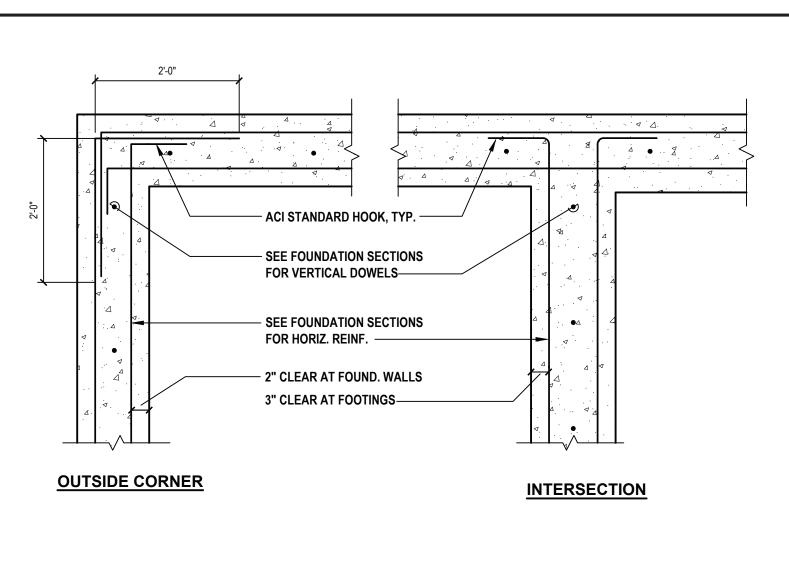
**CONTRACT G GENERAL CONSTRUCTION** 

FINAL BID DOCUMENT

FOUNDATION, FIRST FLOOR

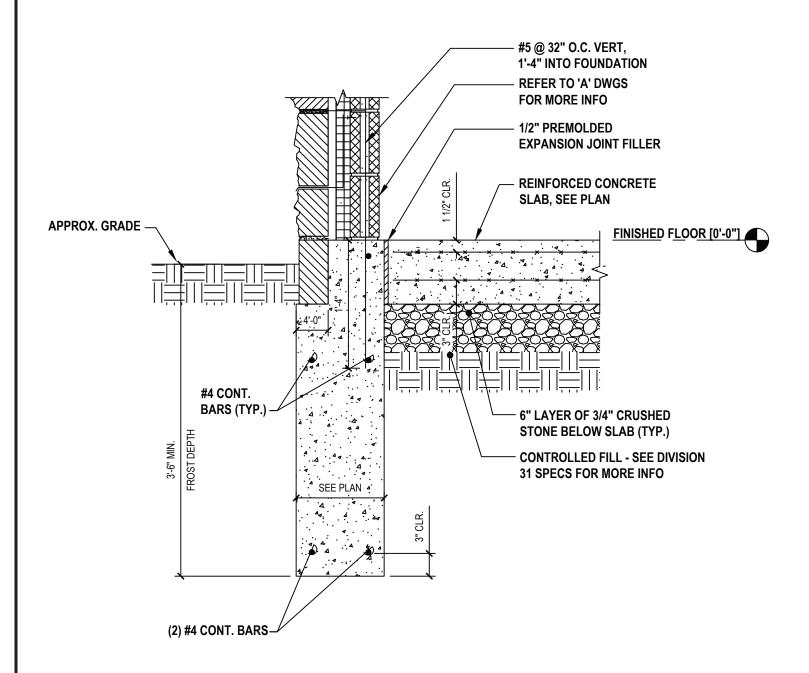
**SLAB, & MEZZANINE CONSTRUCTION PLANS** 

S1 100.02

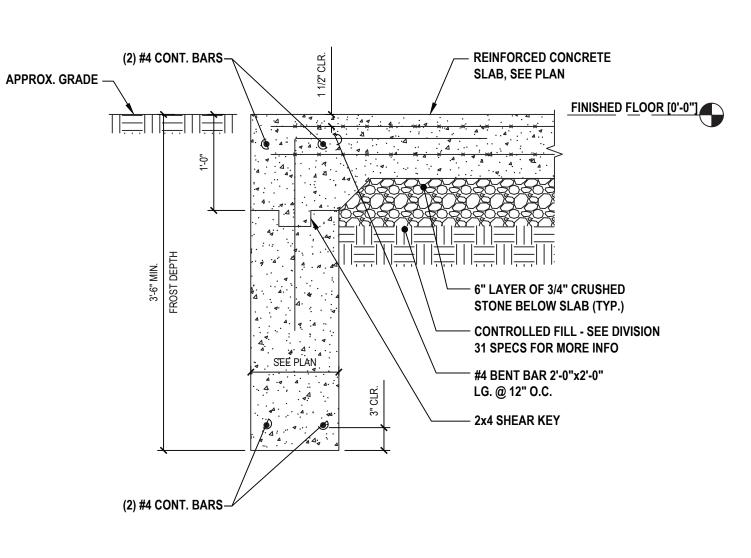


Typical Corner Horizontal Reinforcement at Foundation Wall or Footing

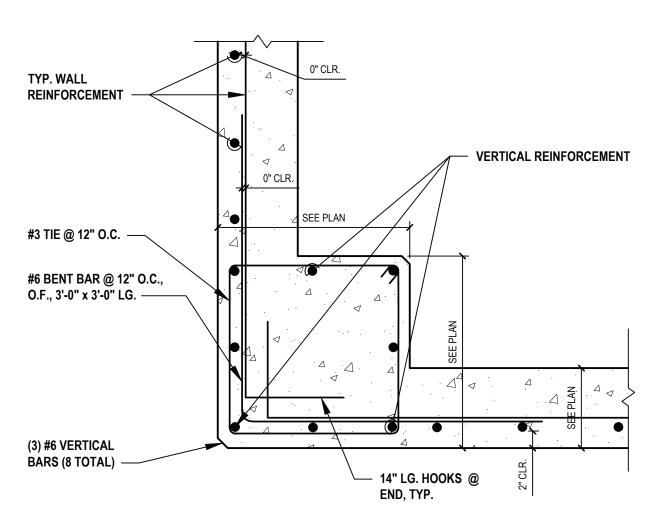
SCALE: N.T.S.



Typical Exterior Foundation Wall SCALE: N.T.S.

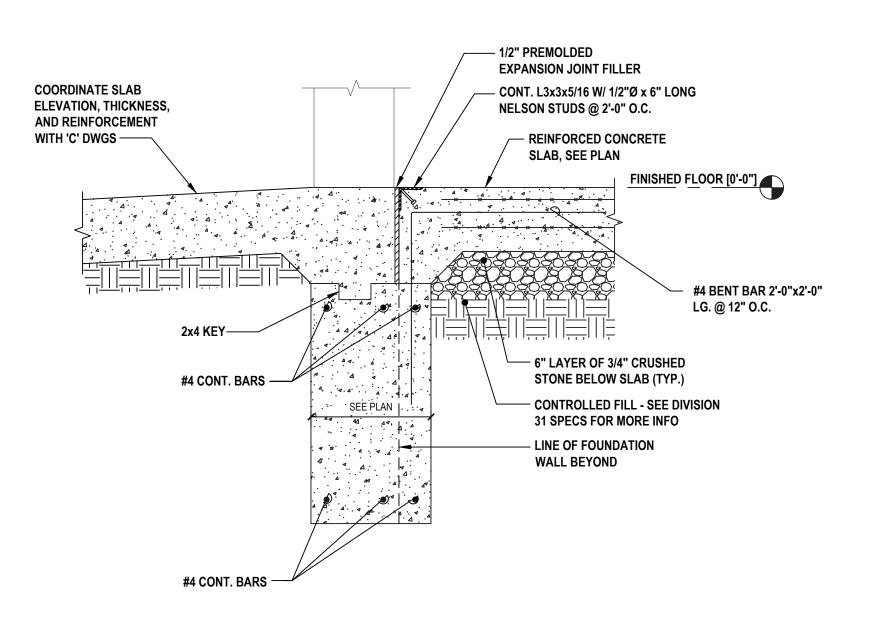


7 Typical Foundation at Exterior Doors
SCALE: N.T.S.

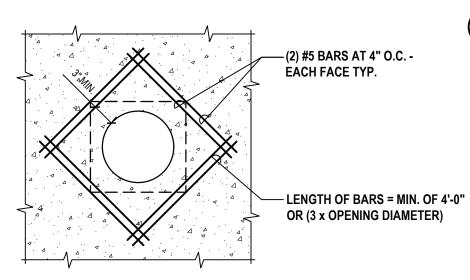


Typical Corner Pier/Foundation Wall Intersection

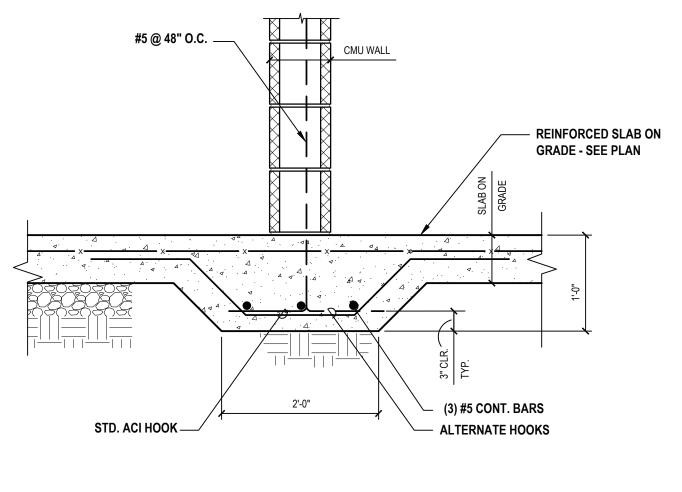
SCALE: N.T.S.



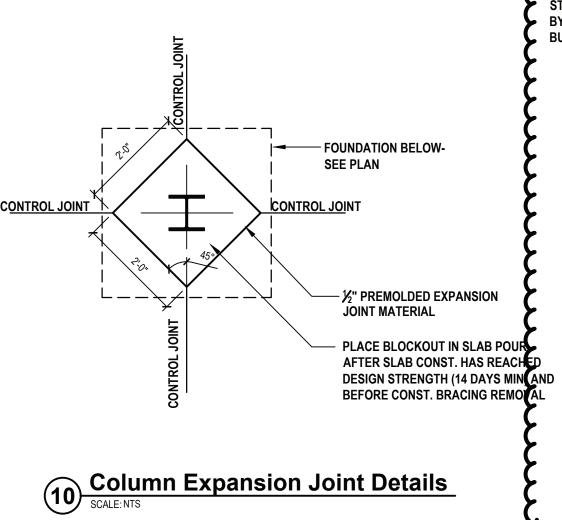
**Typical Section at Truck Apron**SCALE: N.T.S.



9 Typical Pipe Penetration at Wall or Slab SCALE: N.T.S.



8 Typical Haunched Slab at Masonry Partitions
SCALE: NTS

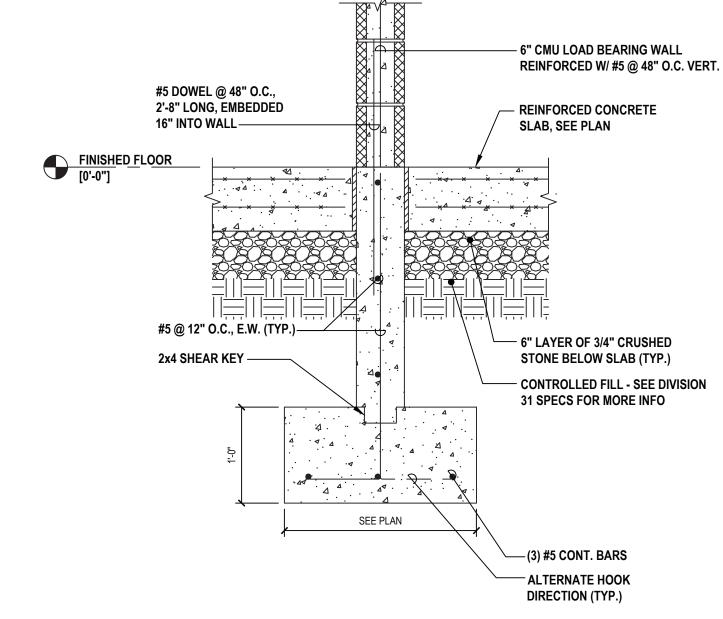


2x4 KEY (MIN.)-ADD: #5 x 4'-0" @ 12" O.C. - HORIZONTAL REINFORCEMENT **VERTICAL SPACING CONTINUOUS THROUGH JOINT ROUGHEN CONCRETE & COAT WITH EPOXY BONDING** AGENT BEFORE POURING NEW CONCRETE

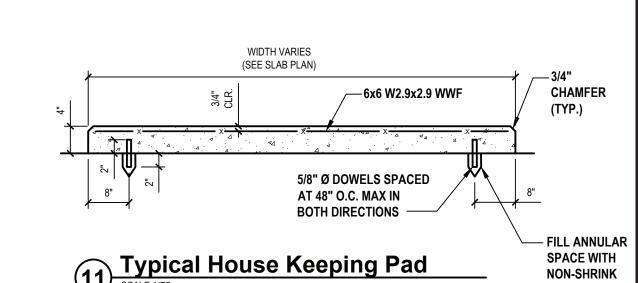
**VERTICAL CONSTRUCTION JOINT IN WALL** 

- 1. KEY WIDTH NOT TO EXCEED 1/3 WIDTH OF WALL. VERTICAL CONSTRUCTION JOINT PERMITTED IN WALL OR GRADE AT ANY POINT 4'-0" MIN. AWAY FROM FACE OF SUPPORTING PIER, BUTTRESS AND/OR WALL OPENING.
- PROVIDE ONE VERTICAL CONSTRUCTION JOINT FOR EVERY 40'-0" OF A STRAIGHT RUN OF WALL. 2. SUBMIT CONSTRUCTION JOINT LAYOUT FOR ALL CONCRETE STRUCTURES FOR ENGINEER'S REVIEW.

# Construction Joint Detail SCALE: N.T.S.

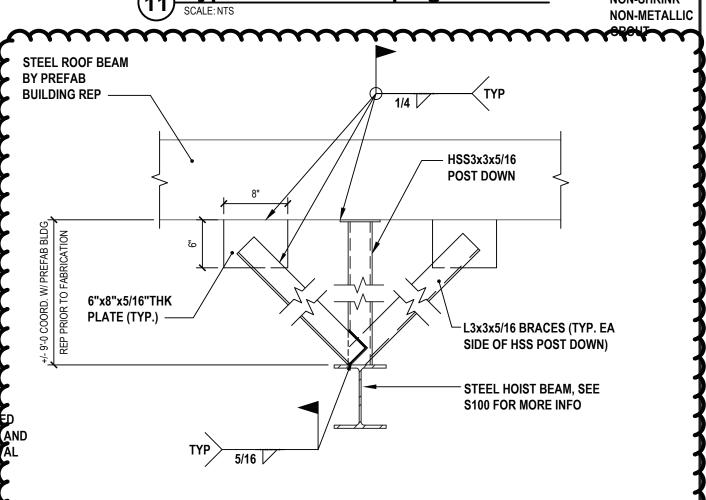


6 Typical Interior Load Bearing Foundation SCALE: N.T.S.



Typical House Keeping Pad

SCALE: NTS

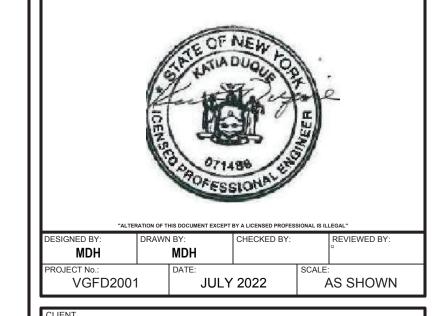


Hoist Beam Support Detail
SCALE: NTS

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CONSULTANTS:		

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FINAL BID DOCUMENT

STRUCTURAL DETAILS

S1 500.02