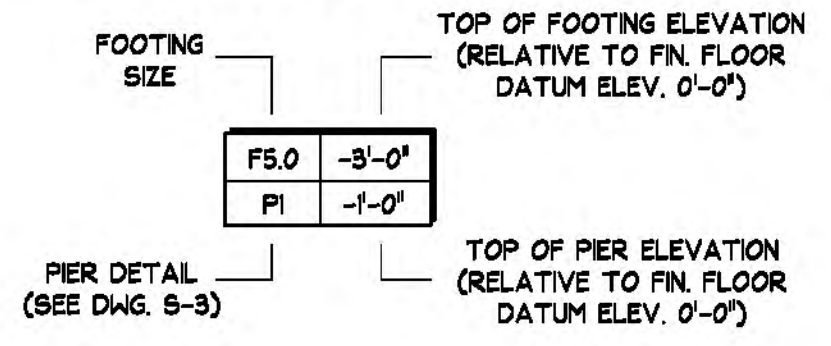


FOUNDATION PLAN
 1/16" = 1'-0"
 TRUE PROJECT

1. TOP OF FOOTING ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR DATUM ELEVATION 0'-0", AND ARE NOTED THUS: [] ON PLAN.
2. FLOOR SLABS SHALL BE CONCRETE SLABS-ON-GRADE, REINFORCED WITH ONE LAYER OF WELDED-WIRE-FABRIC (W.W.F.), OVER A MINIMUM 6" LAYER OF COMPACTED GRANULAR FILL. SEE PLAN FOR SLAB THICKNESSES. ALL EXPOSED SURFACES OF INTERIOR AND EXTERIOR CONCRETE AT NEA DRUM BUILDING WAREHOUSE SLABS, CURBS, RAMPS, TRENCHES, WALLS AND PIERS SHALL BE COATED WITH CHEMTEC ONE CHEMICAL TREATMENT IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN APPLICATION INSTRUCTIONS.
3. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL FLOOR PLANS FOR DIMENSIONS NOT INDICATED ON STRUCTURAL DRAWINGS.
4. SECTIONS INDICATED ON PLAN ARE TYPICAL FOR SIMILAR CONDITIONS.
5. 'CJ' = SUGGESTED WALL & SLAB CONTROL JOINT LOCATIONS.
6. TOP OF CONCRETE FOUNDATION WALL ELEVATION @ DOORWAYS = (-8") BELOW ADJACENT FINISHED FLOOR ELEVATION.



FOOTING SCHEDULE

MARK	SIZE	THK.	BOT. REINFORCING	TOP REINFORCING
F3.0	3'-0" x 3'-0"	12"	3 - #5 EACH WAY	NONE
F3.5	3'-6" x 3'-6"	12"	3 - #6 EACH WAY	NONE
F4.0	4'-0" x 4'-0"	12"	5 - #5 EACH WAY	NONE
F4.5	4'-6" x 4'-6"	12"	5 - #6 EACH WAY	NONE
F5.0	5'-0" x 5'-0"	12"	6 - #6 EACH WAY	6 - #6 EACH WAY
F5.5	5'-6" x 5'-6"	12"	7 - #6 EACH WAY	NONE
F5.5A	5'-6" x 5'-6"	16"	7 - #6 EACH WAY	7 - #6 EACH WAY
F6.0	6'-0" x 6'-0"	16"	7 - #7 EACH WAY	NONE
F6.5	6'-6" x 6'-6"	16"	8 - #7 EACH WAY	8 - #6 EACH WAY
F7.0	7'-0" x 7'-0"	18"	7 - #8 EACH WAY	7 - #6 EACH WAY

GENERAL CONTRACTOR NOTE:

FOUNDATION DESIGNS FOR THE PRE-ENGINEERED BUILDINGS ARE PRELIMINARY. FINAL PIER DETAILS & FOOTING SIZES WILL BE DETERMINED AFTER FRAME REACTIONS ARE SUPPLIED BY THE BUILDING MANUFACTURER.

FOUNDATION CONTRACTOR NOTE:

COORDINATE LOCATION OF ALL FOOTING STEPS AND PIPE SLEEVES WITH PLUMBING LINE & TRENCH LOCATIONS PRIOR TO PLACING FOOTING CONCRETE

NO.	DATE	APPR.	REVISION

GREAT LAKES ENVIRONMENTAL & SAFETY CONSULTANTS, INC.
 50 RIDGE ROAD
 BUFFALO, NEW YORK 14218
 716-827-0700



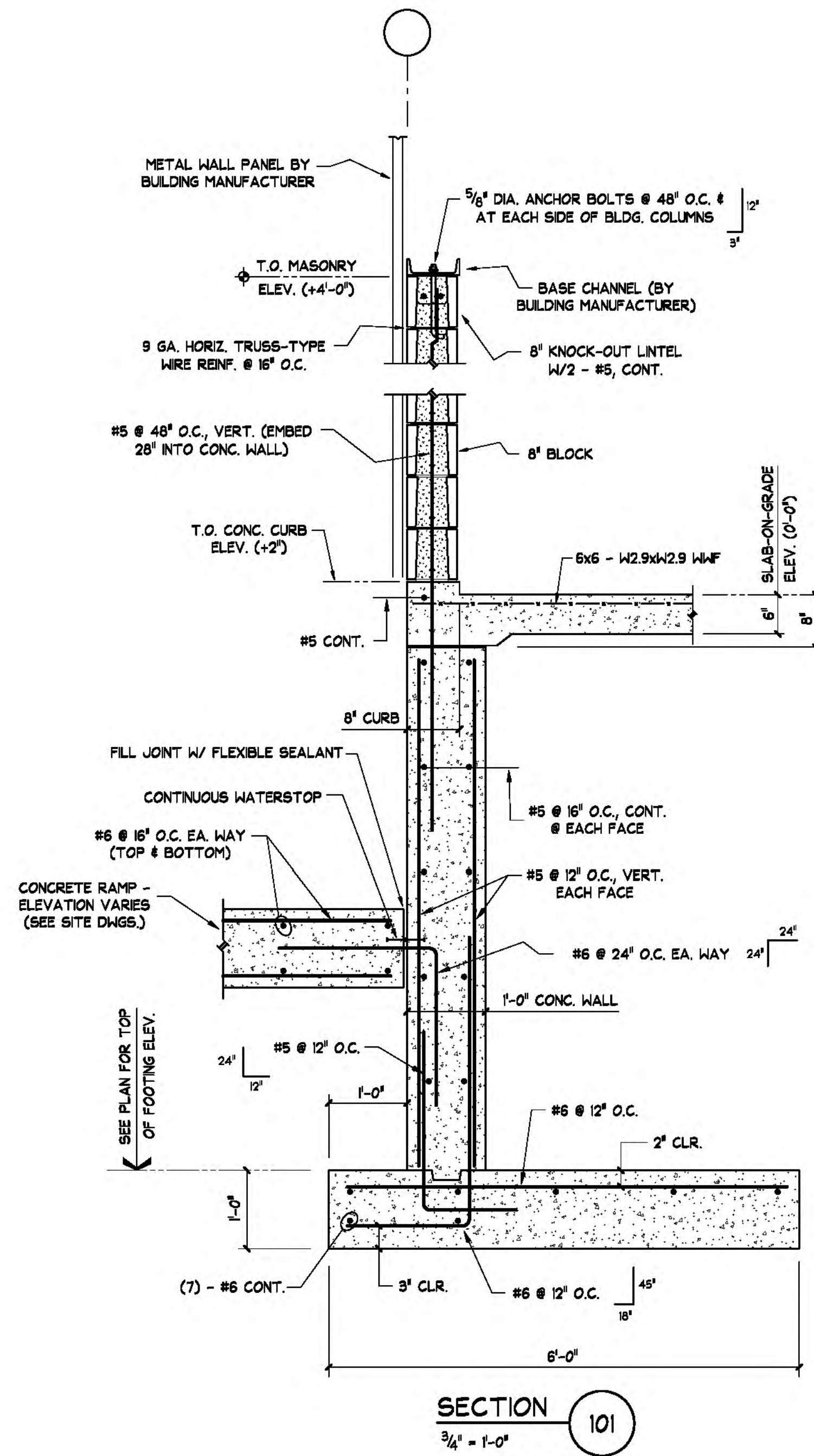
DRUM MANAGEMENT BUILDING
 RELOCATION PROJECT
 CWM CHEMICAL SERVICES, LLC.
 MODEL CITY FACILITY
 MODEL CITY, NEW YORK



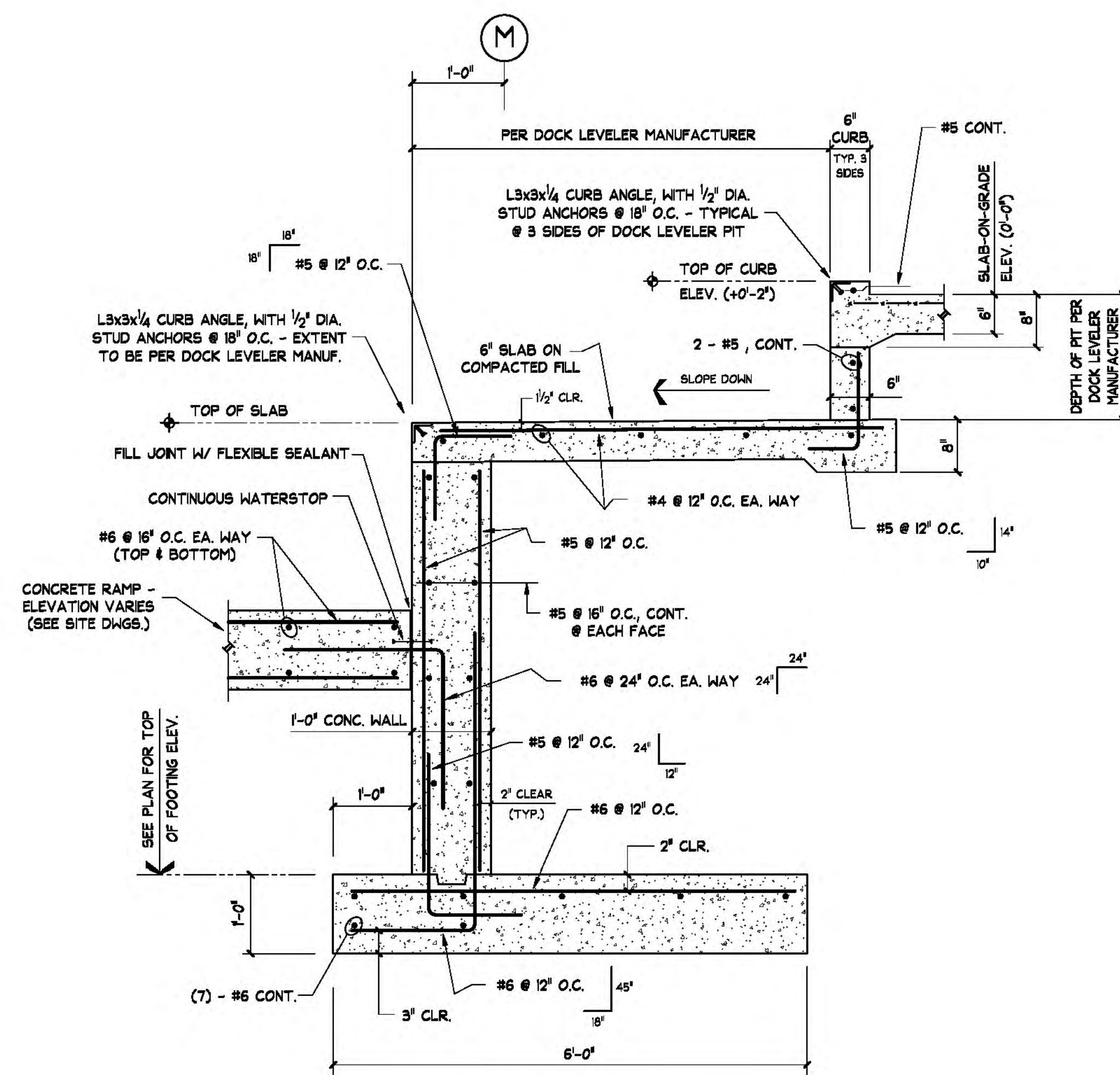
CHECKED	DATE
DESIGN ENGINEER	
PROJECT ENGINEER	
PROJECT MANAGER	
APPROVED	
APPROVED	

DRAWN	DATE	REVISION DATE
FMF	6/20/12	
SCALE	AS NOTED	FILE NAME

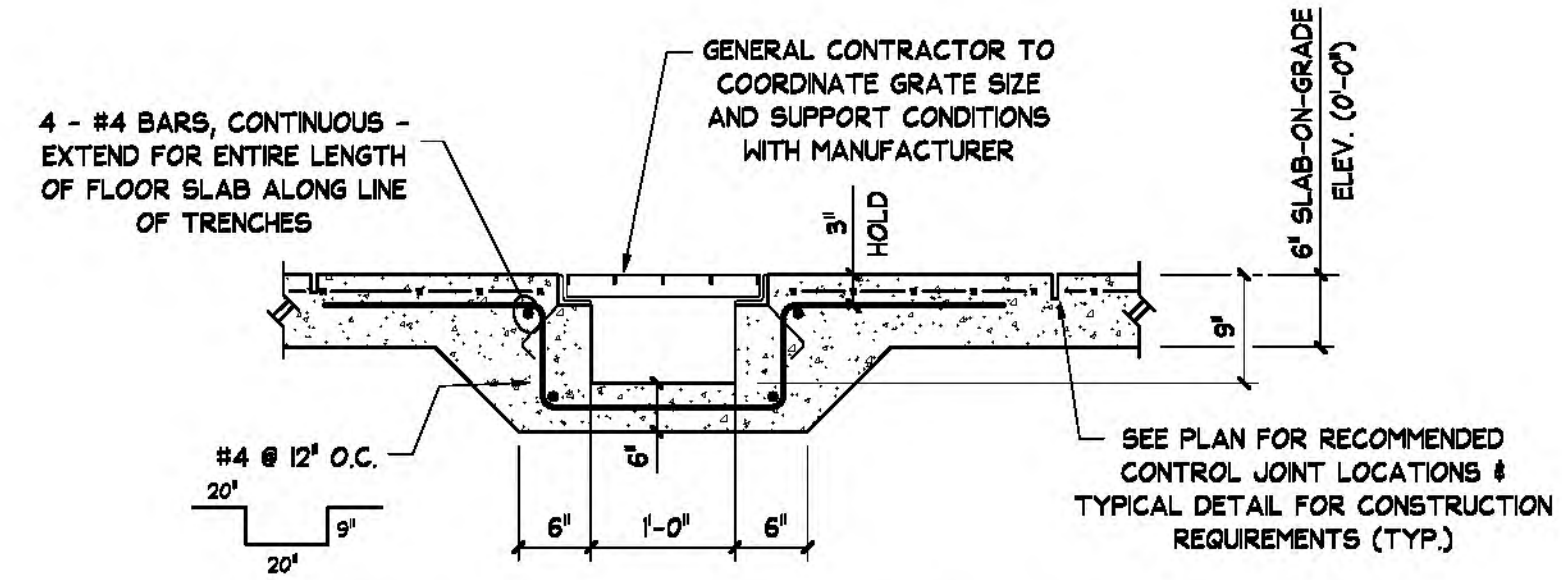
DRAWING NO.	
S-1	
REV. NO.	
SHEET	OF
2	6



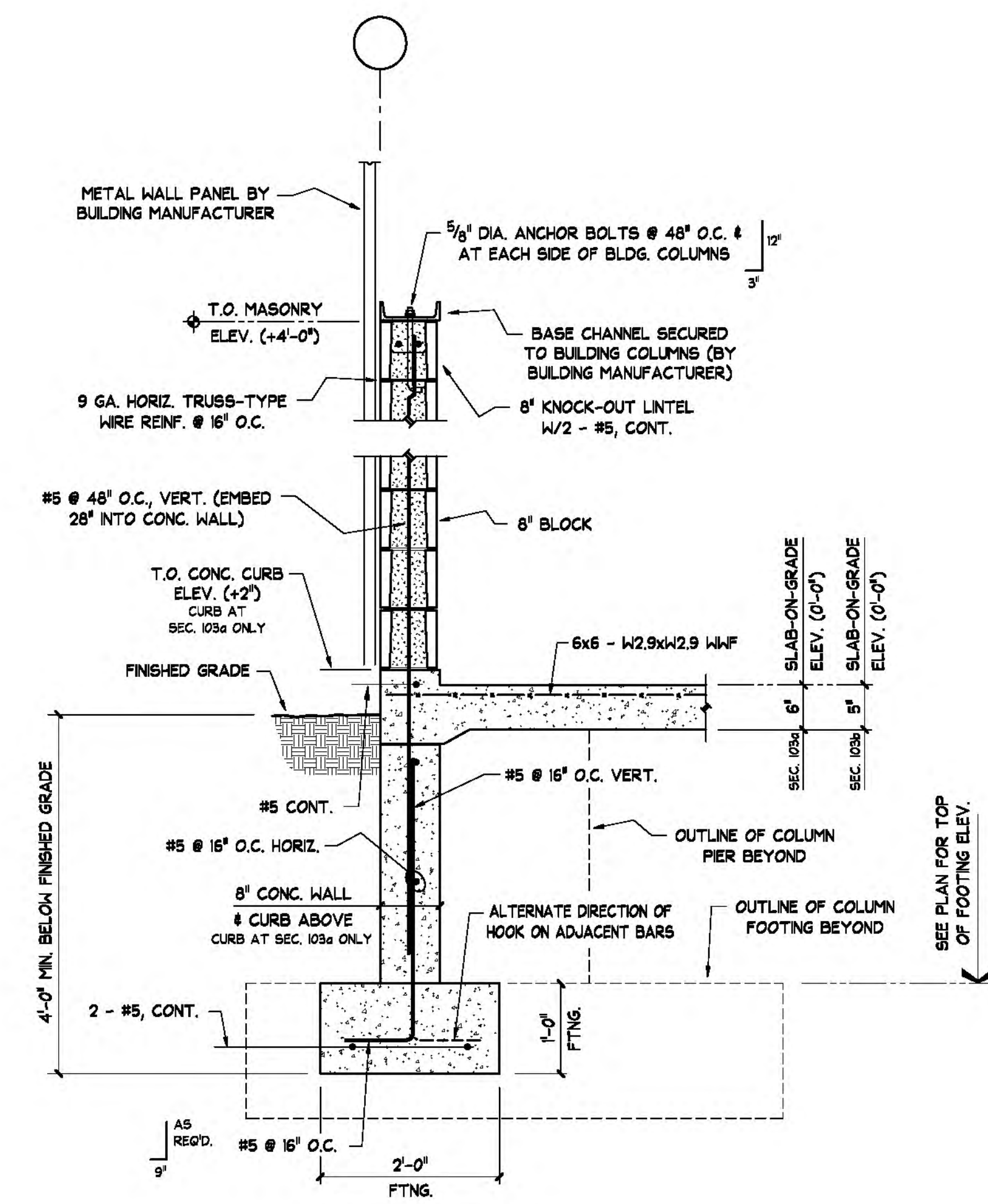
SECTION 101
3/4" = 1'-0"



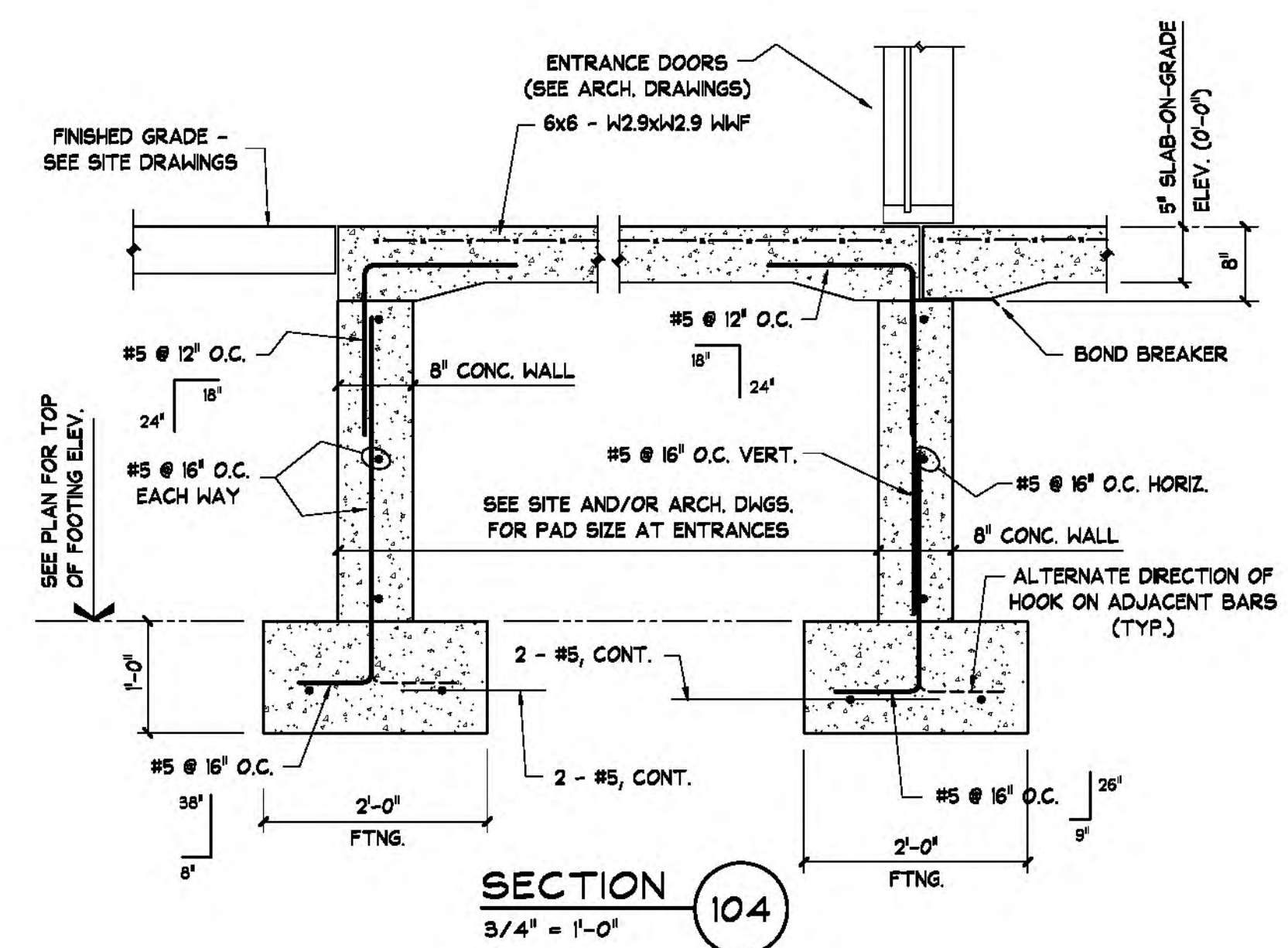
SECTION 102
3/4" = 1'-0"



TRENCH REINFORCING DETAIL AT DRUM STORAGE CONTAINMENT
NO SCALE



SECTION 103a 103b
3/4" = 1'-0"



SECTION 104
3/4" = 1'-0"

NO.	DATE	APPR.	REVISION



50 RIDGE ROAD
BUFFALO, NEW YORK 14218
716-827-0700



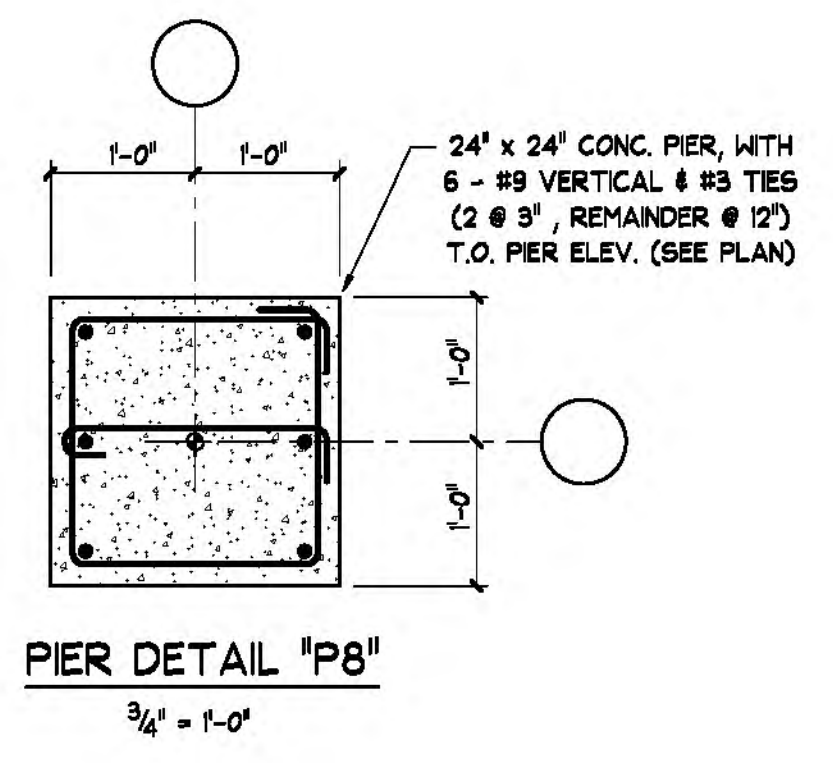
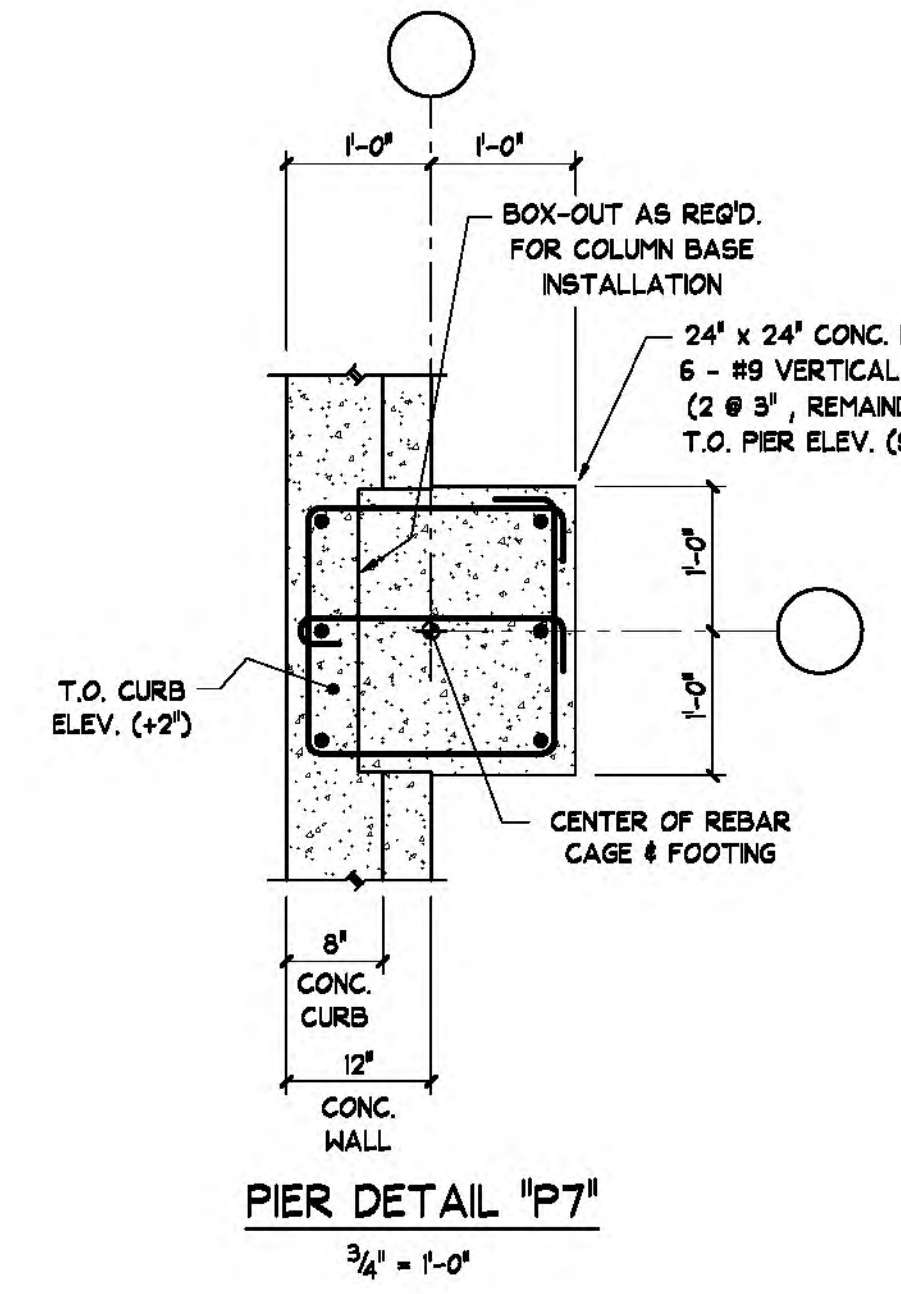
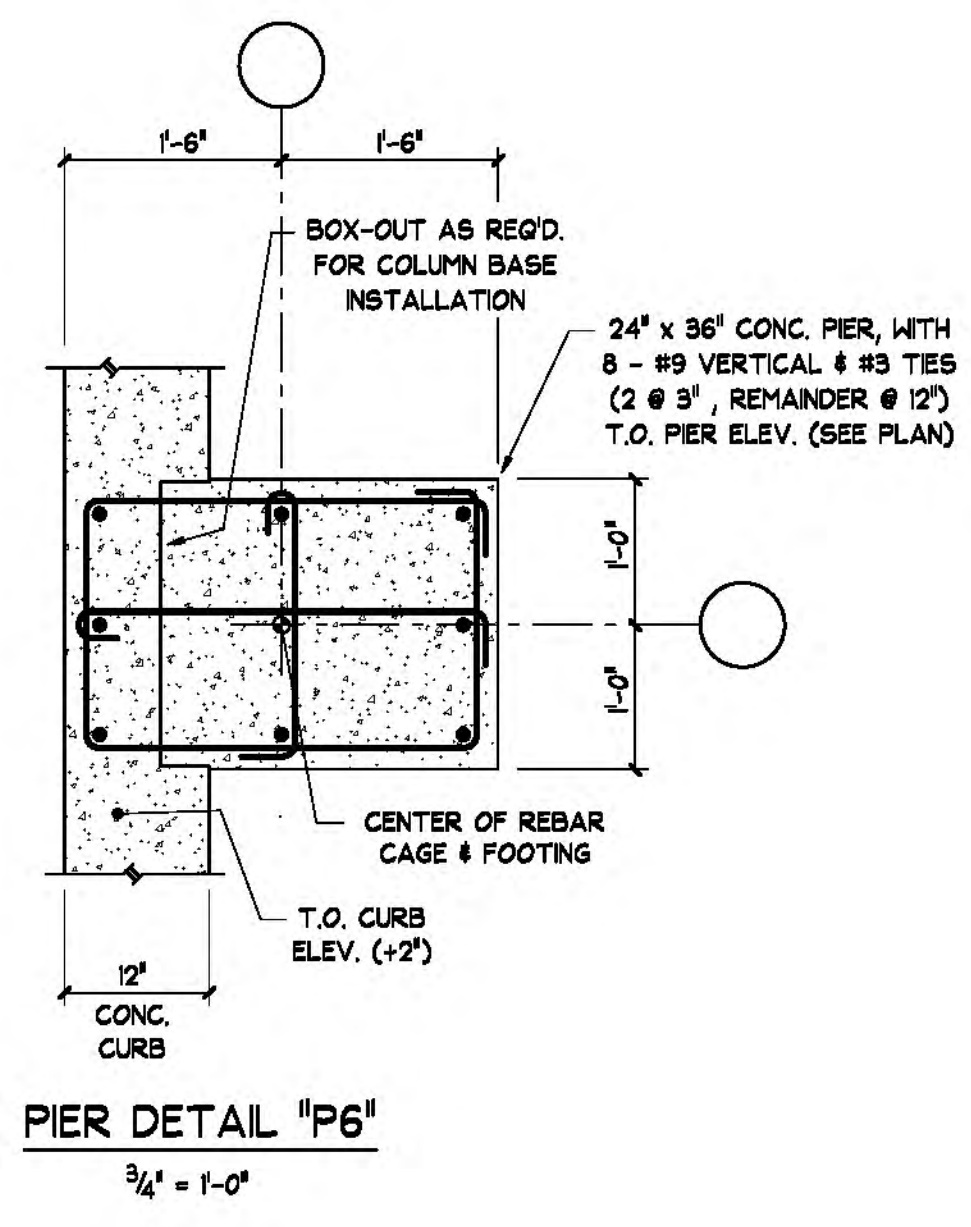
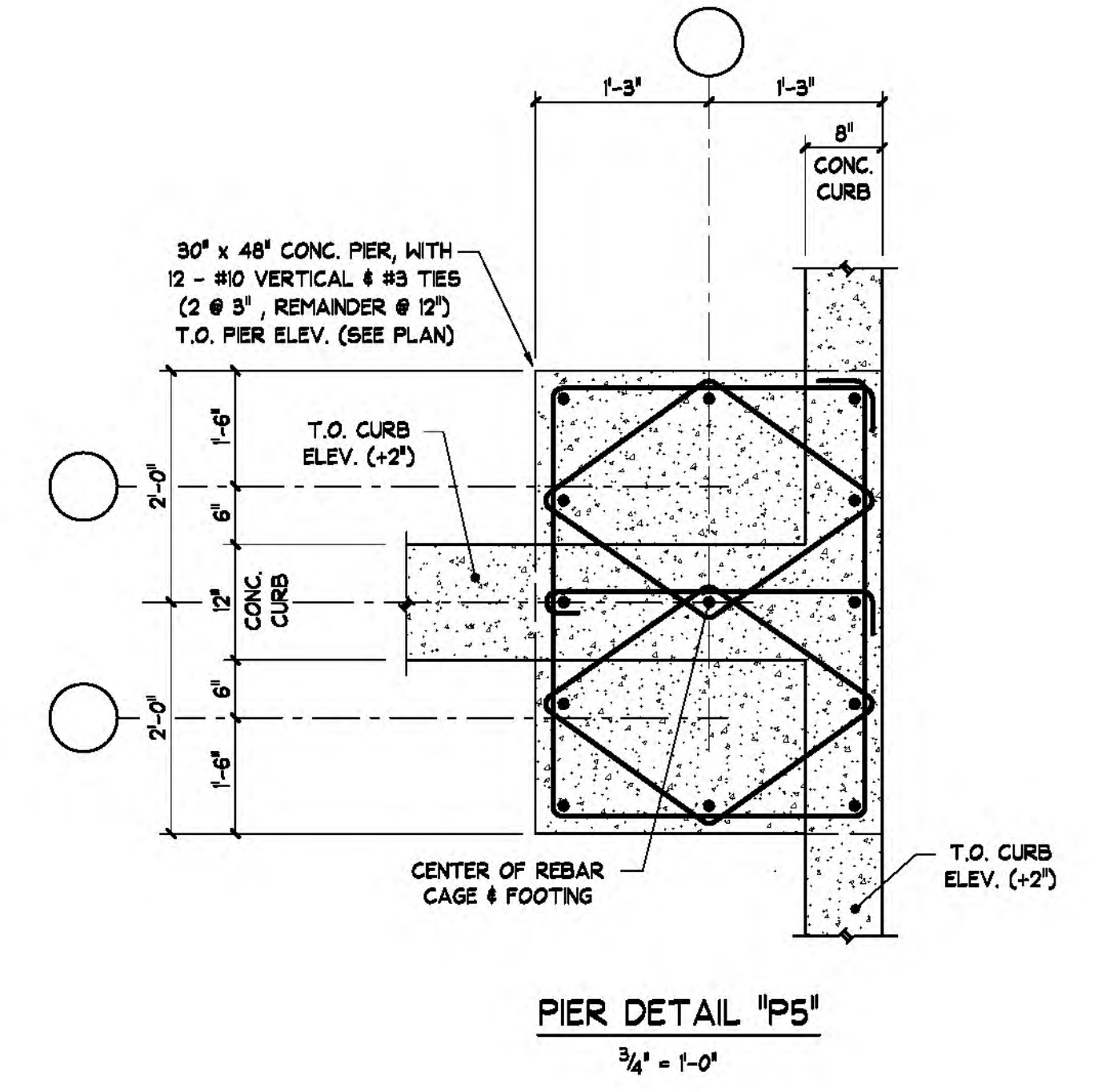
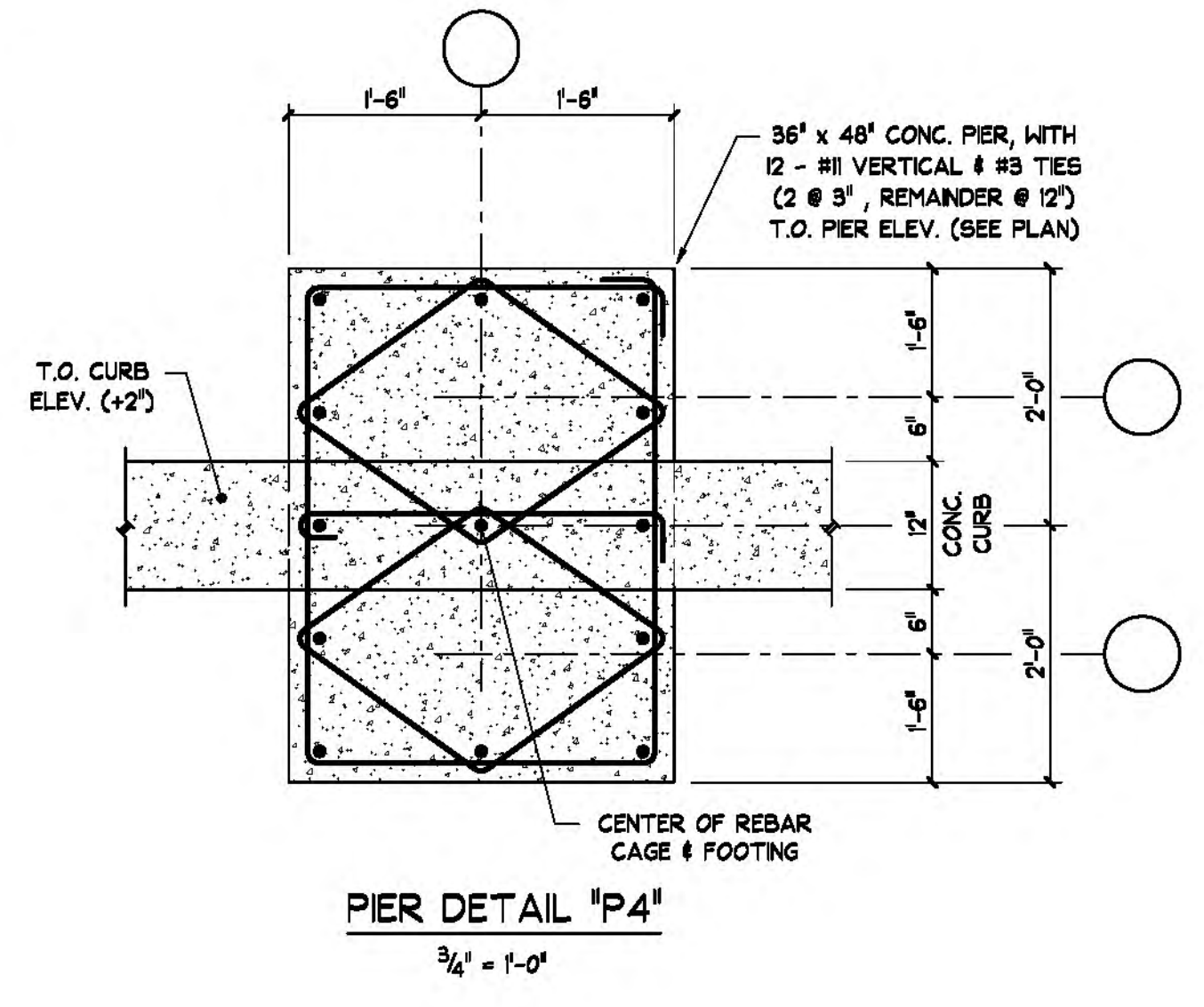
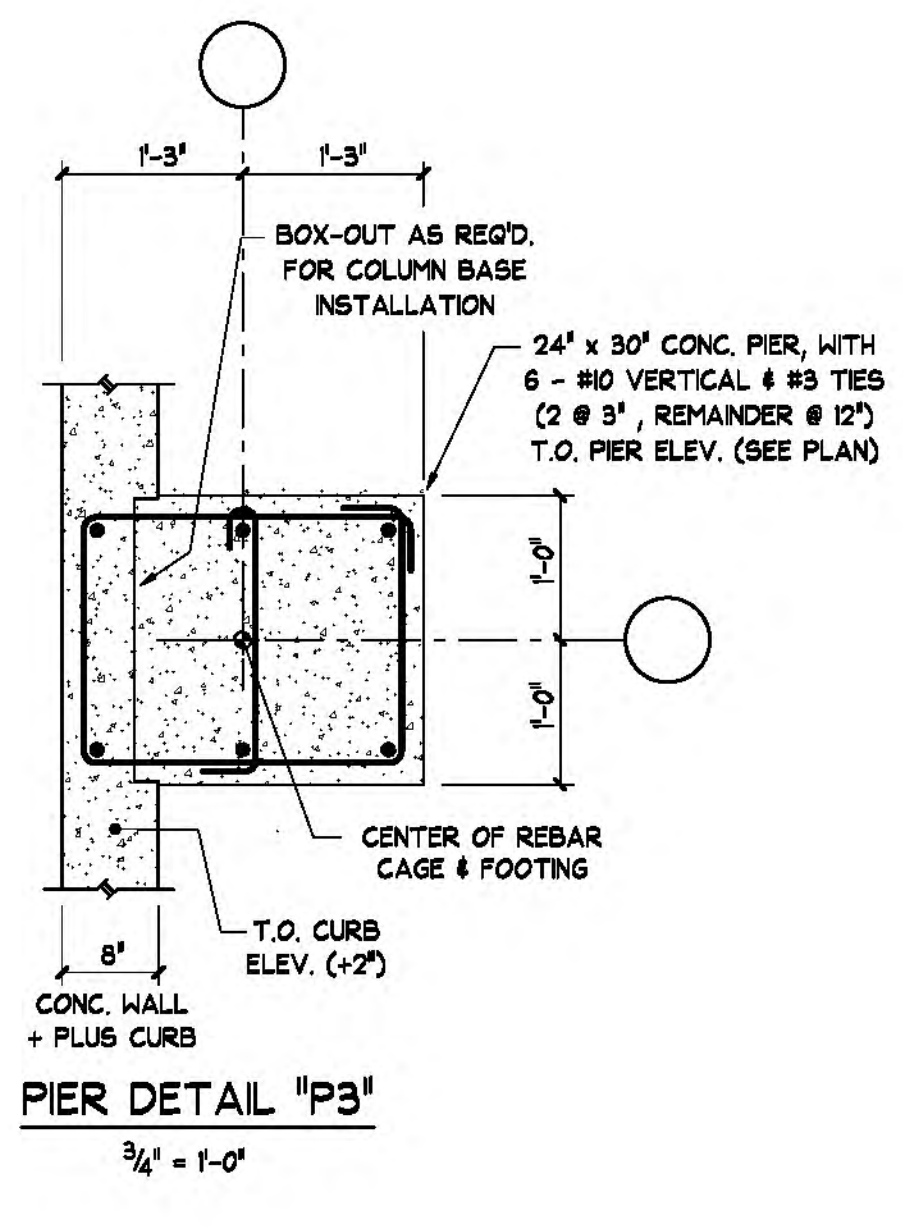
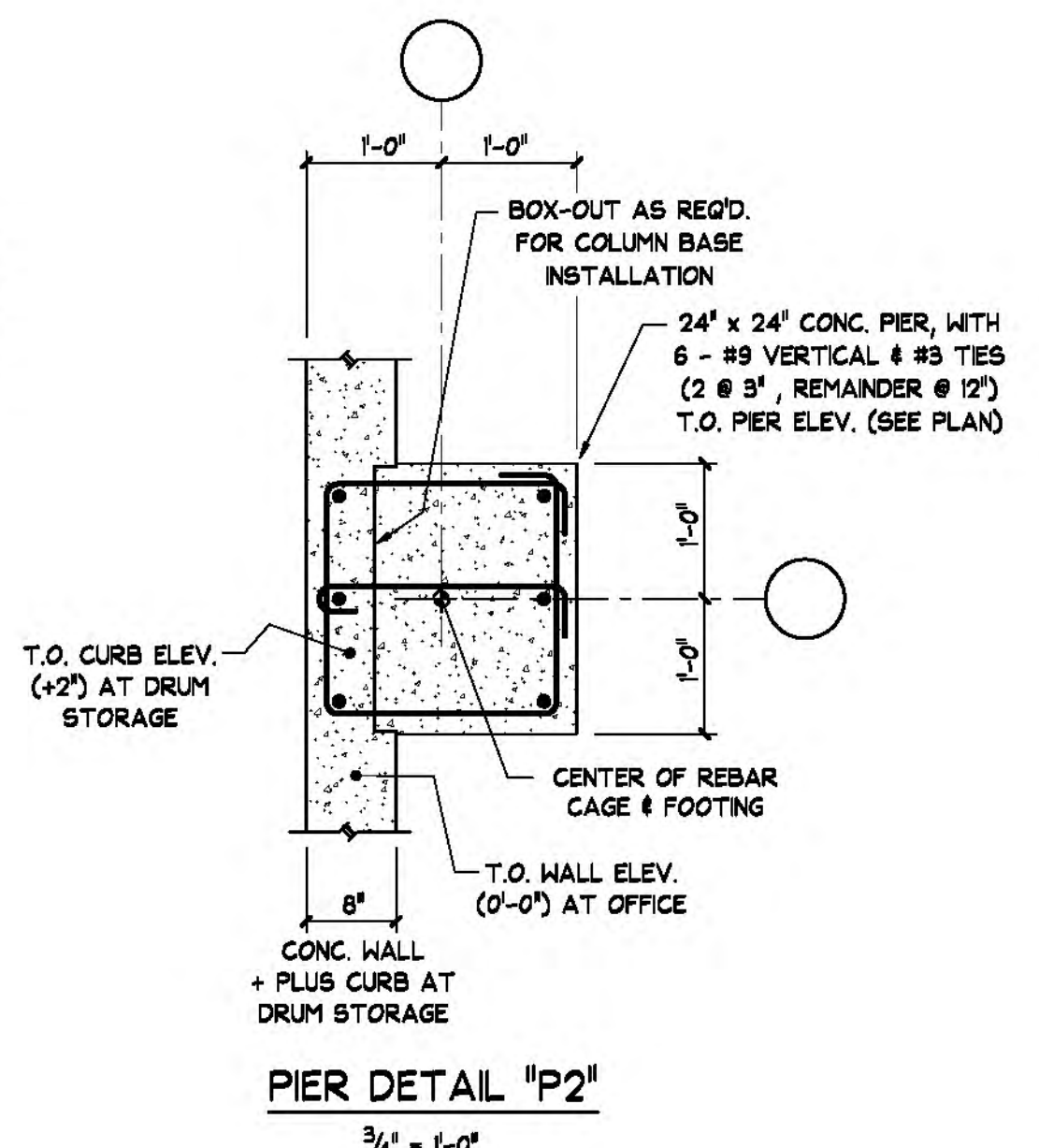
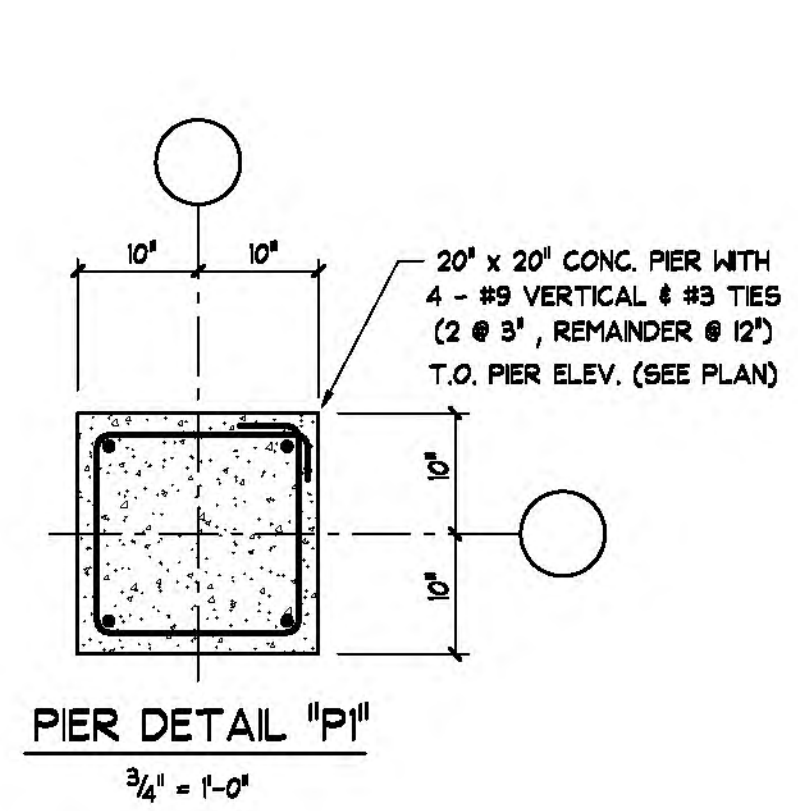
DRUM MANAGEMENT BUILDING
RELOCATION PROJECT
CWM CHEMICAL SERVICES, LLC.
MODEL CITY, NEW YORK



CHECKED	DATE
DESIGN ENGINEER	
PROJECT ENGINEER	
PROJECT MANAGER	
APPROVED	
APPROVED	

DRWN	DATE	REVISION DATE
FMF	6/20/12	
SCALE	AS NOTED	FILE NAME

DRAWING NO.	REV. NO.
S-2	
SHEET	3 OF 6



NO.	DATE	APPR.	REVISION

GREAT LAKES ENVIRONMENTAL & SAFETY CONSULTANTS, INC.
 50 RIDGE ROAD
 BUFFALO, NEW YORK 14218
 716-827-0700

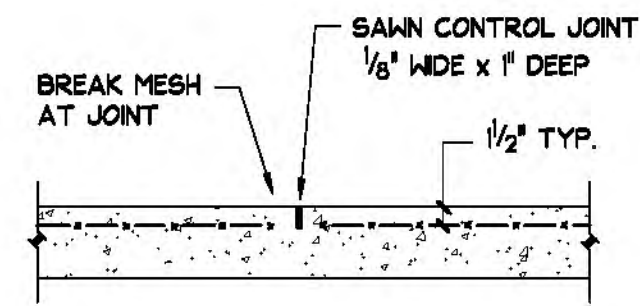
WASTE MANAGEMENT
 DRUM MANAGEMENT BUILDING
 RELOCATION PROJECT
 CWM CHEMICAL SERVICES, LLC.
 MODEL CITY FACILITY
 MODEL CITY, NEW YORK

STATE OF NEW YORK
 ALBERT G. LYONS, JR.
 PROFESSIONAL ENGINEER
 074710

CHECKED		DATE	
DESIGN ENGINEER			
PROJECT ENGINEER			
PROJECT MANAGER			
APPROVED			
APPROVED			

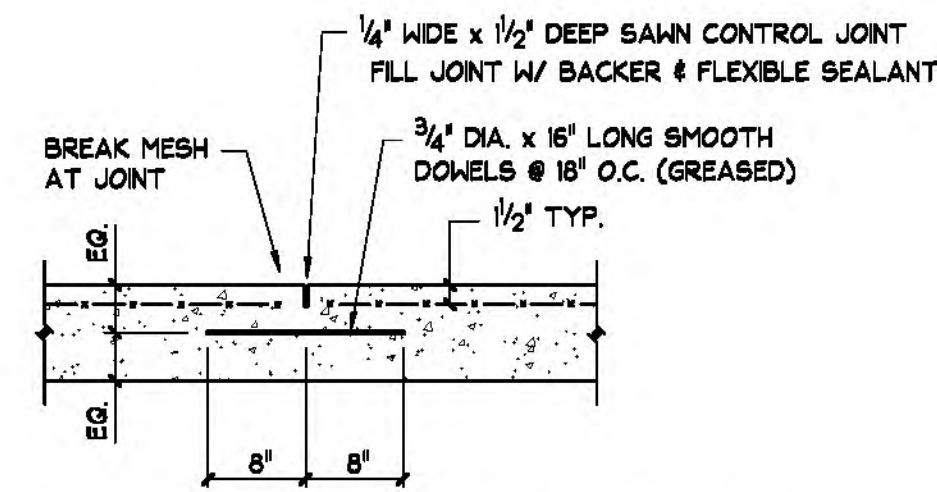
FOUNDATION DETAILS			
DRAWN	FMF	DATE	6/20/12
SCALE	AS NOTED	JOB NO.	
		REVISION DATE	
		FILE NAME	

DRAWING NO.	REV. NO.
S-3	
SHEET	4 OF 6



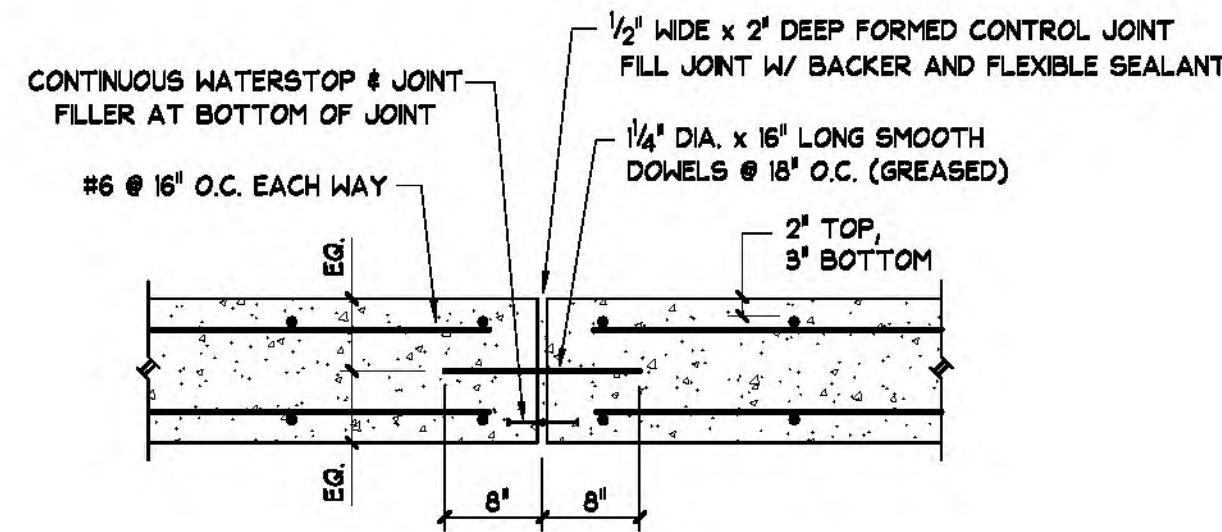
**TYPICAL SAW-CUT CONTROL JOINT
DETAIL FOR 5" SLABS-ON-GRADE**

(NO SCALE)
SEE PLAN FOR SUGGESTED LOCATIONS.
MAXIMUM JOINT SPACING = 15'-0".



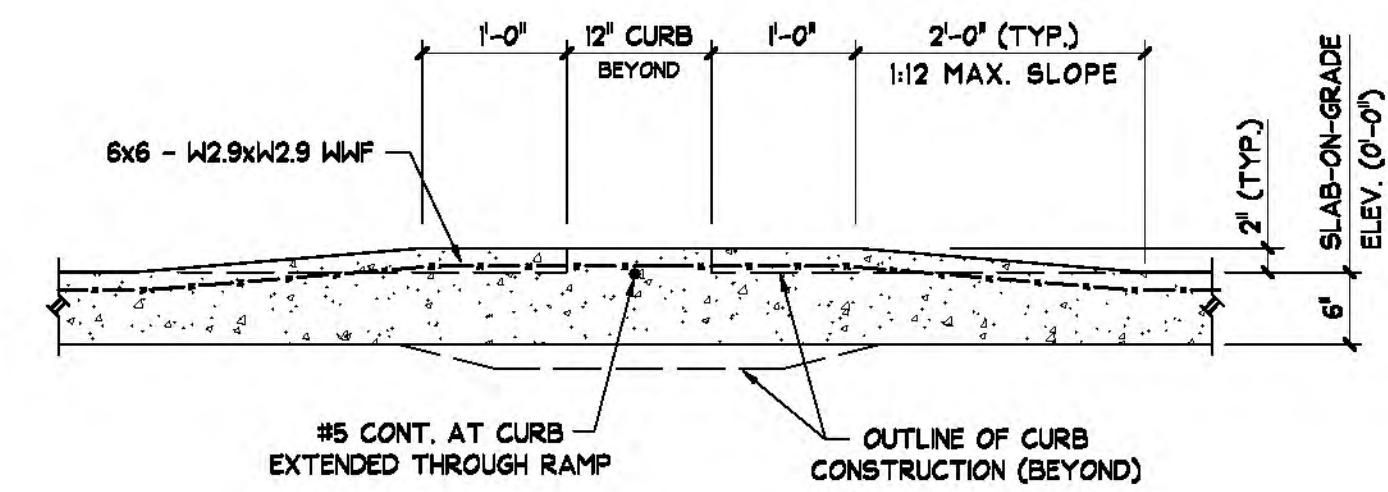
**TYPICAL SAW-CUT CONTROL JOINT
DETAIL FOR 6" SLABS-ON-GRADE**

(NO SCALE)
SEE PLAN FOR SUGGESTED LOCATIONS.
MAXIMUM JOINT SPACING = 18'-0".



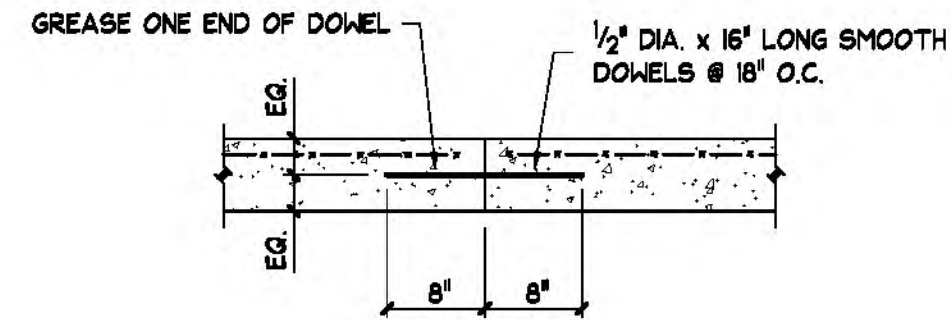
**TYPICAL EXPANSION JOINT
DETAIL FOR 12" SLABS-ON-GRADE**

(NO SCALE)
SEE PLAN FOR SUGGESTED LOCATIONS.
MAXIMUM JOINT SPACING = 30'-0".



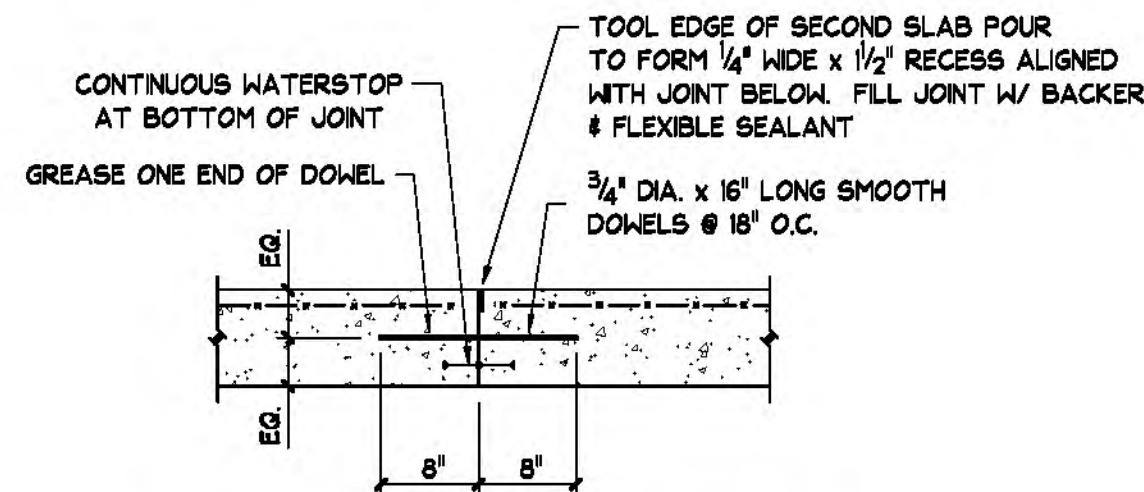
**TYPICAL INTERIOR RAMP DETAIL
BETWEEN CONTAINMENT AREAS**

NO SCALE
SEE PLAN FOR LOCATIONS



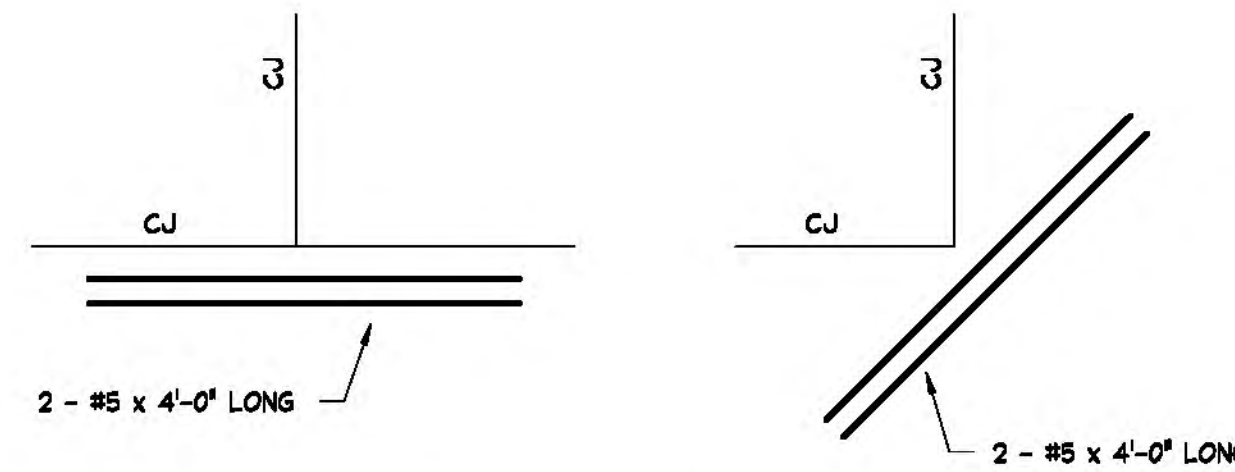
**TYPICAL CONSTRUCTION JOINT
DETAIL FOR 5" SLABS-ON-GRADE**

(NO SCALE)
PLACE DOWELS PARALLEL TO SURFACE AND PERPENDICULAR TO EDGE OF SLAB.



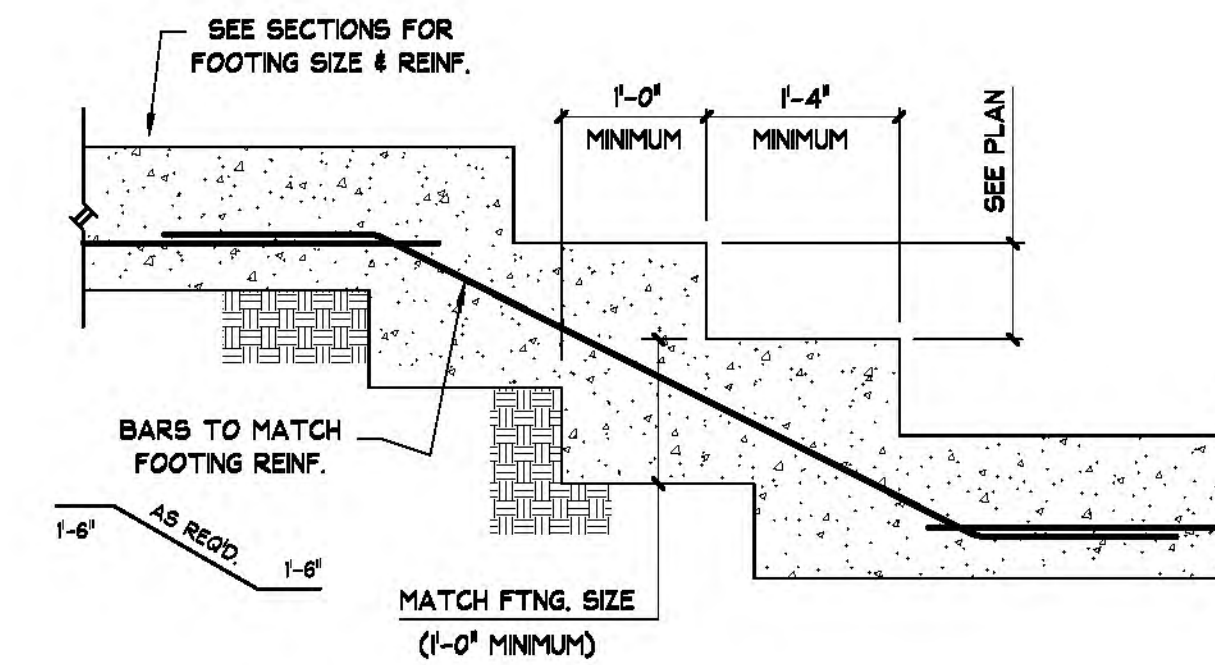
**TYPICAL CONSTRUCTION JOINT
DETAIL FOR 6" SLABS-ON-GRADE**

(NO SCALE)
PLACE DOWELS PARALLEL TO SURFACE AND PERPENDICULAR TO EDGE OF SLAB.



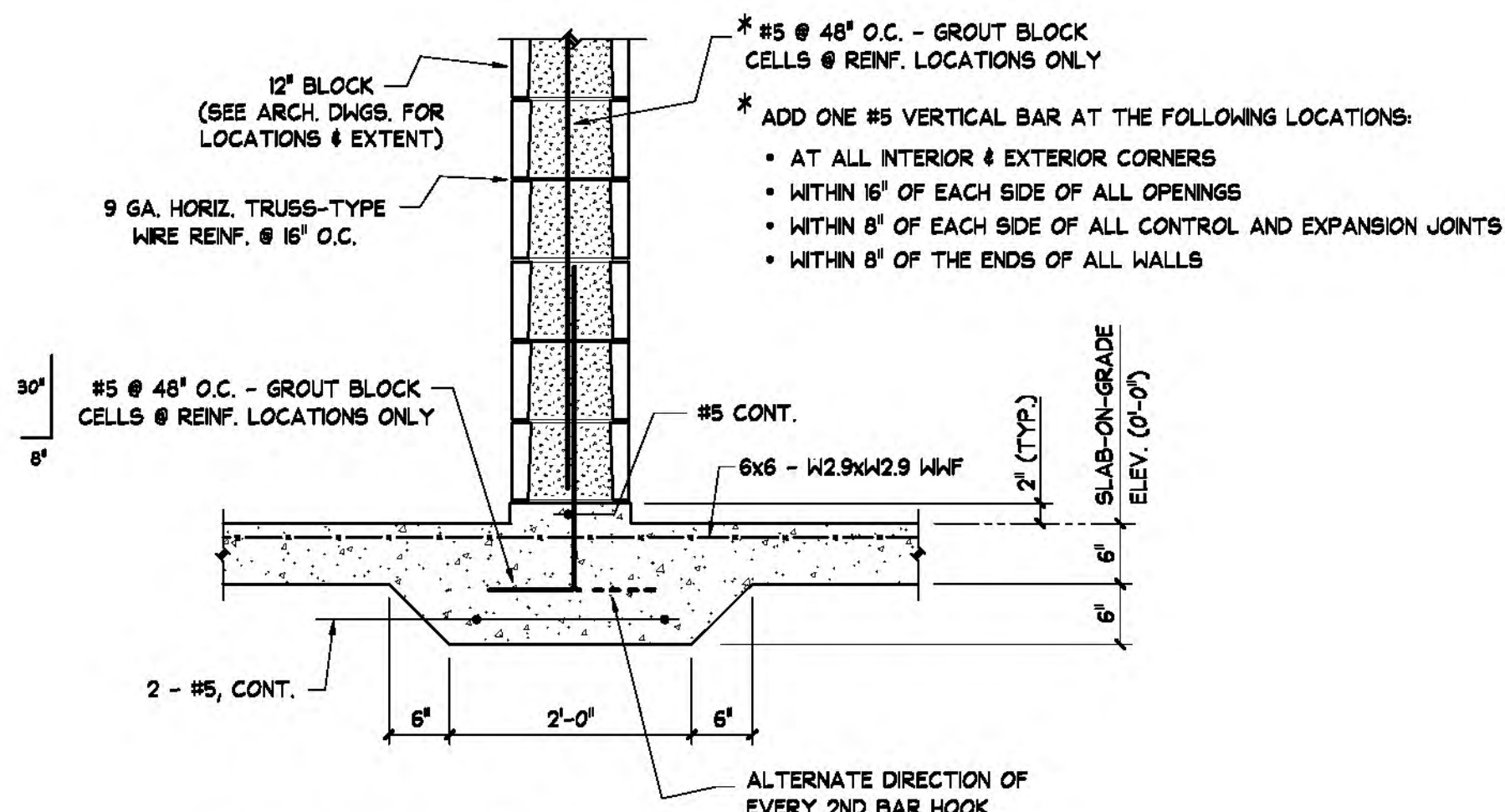
**TYPICAL REINFORCEMENT FOR SLABS-ON-GRADE AT
DISCONTINUOUS CONTROL JOINTS AND SLAB EDGES**

NO SCALE



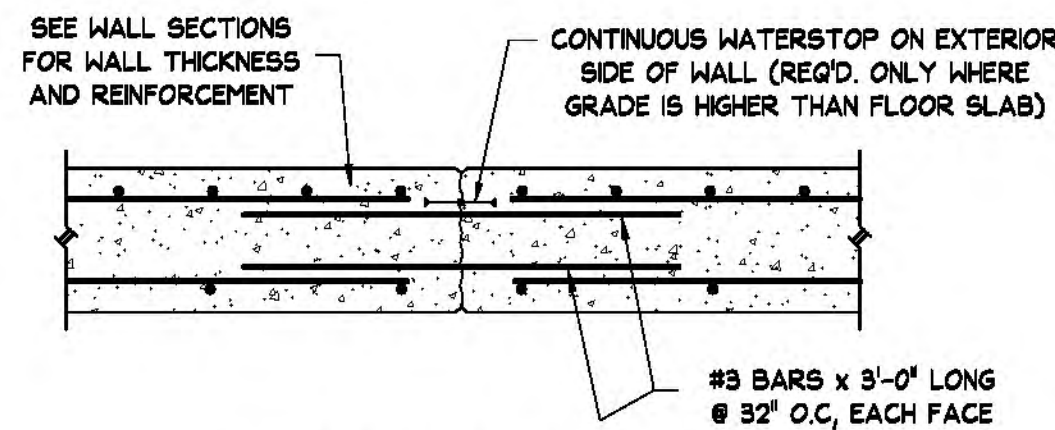
TYPICAL STEPPED FOOTING DETAIL

NO SCALE



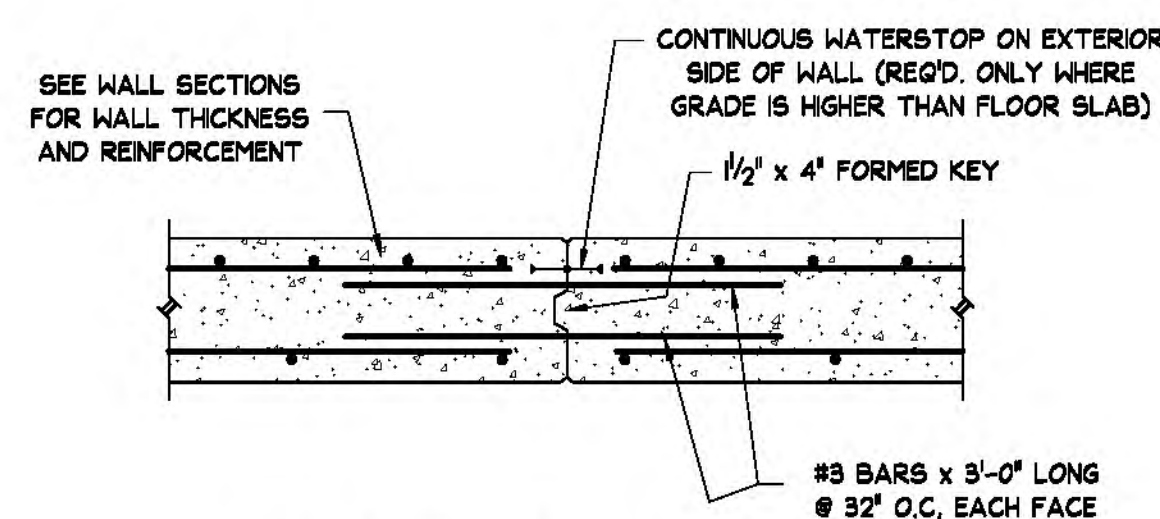
TYPICAL 12" WIDE INTERIOR CURB DETAIL

NO SCALE
SEE PLAN FOR LOCATIONS



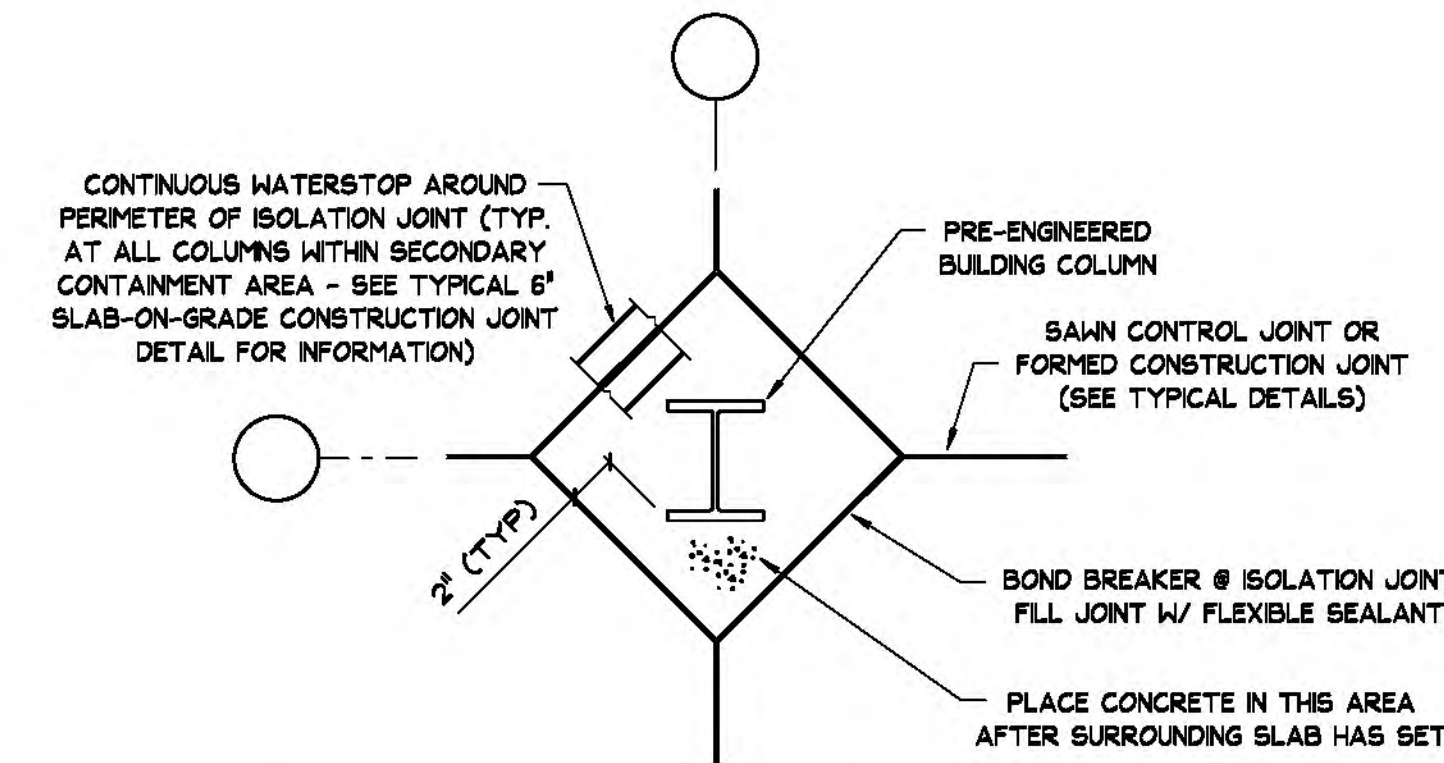
**TYPICAL CONTROL JOINT
DETAIL FOR CONCRETE WALLS**

(SEE PLAN FOR SUGGESTED LOCATIONS)



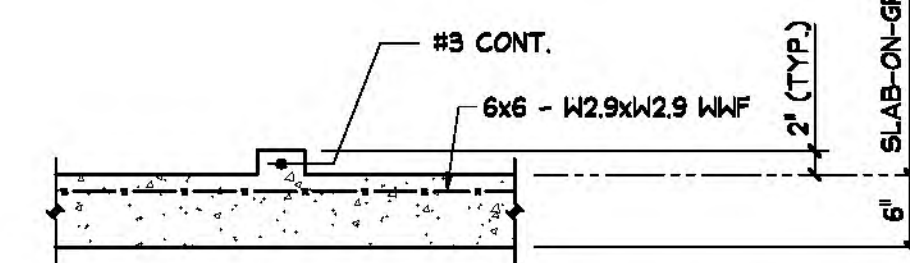
**TYPICAL CONSTRUCTION JOINT
DETAIL FOR CONCRETE WALLS**

(TO BE USED IN PLACE OF CONTROL JOINT, AT CONTRACTOR'S OPTION)



TYPICAL INTERIOR COLUMN ISOLATION JOINT

NO SCALE



TYPICAL 4" WIDE INTERIOR CURB DETAIL

NO SCALE
SEE PLAN FOR LOCATIONS

NO.	DATE	APPR.	REVISION



50 RIDGE ROAD
BUFFALO, NEW YORK 14218
716-827-0700



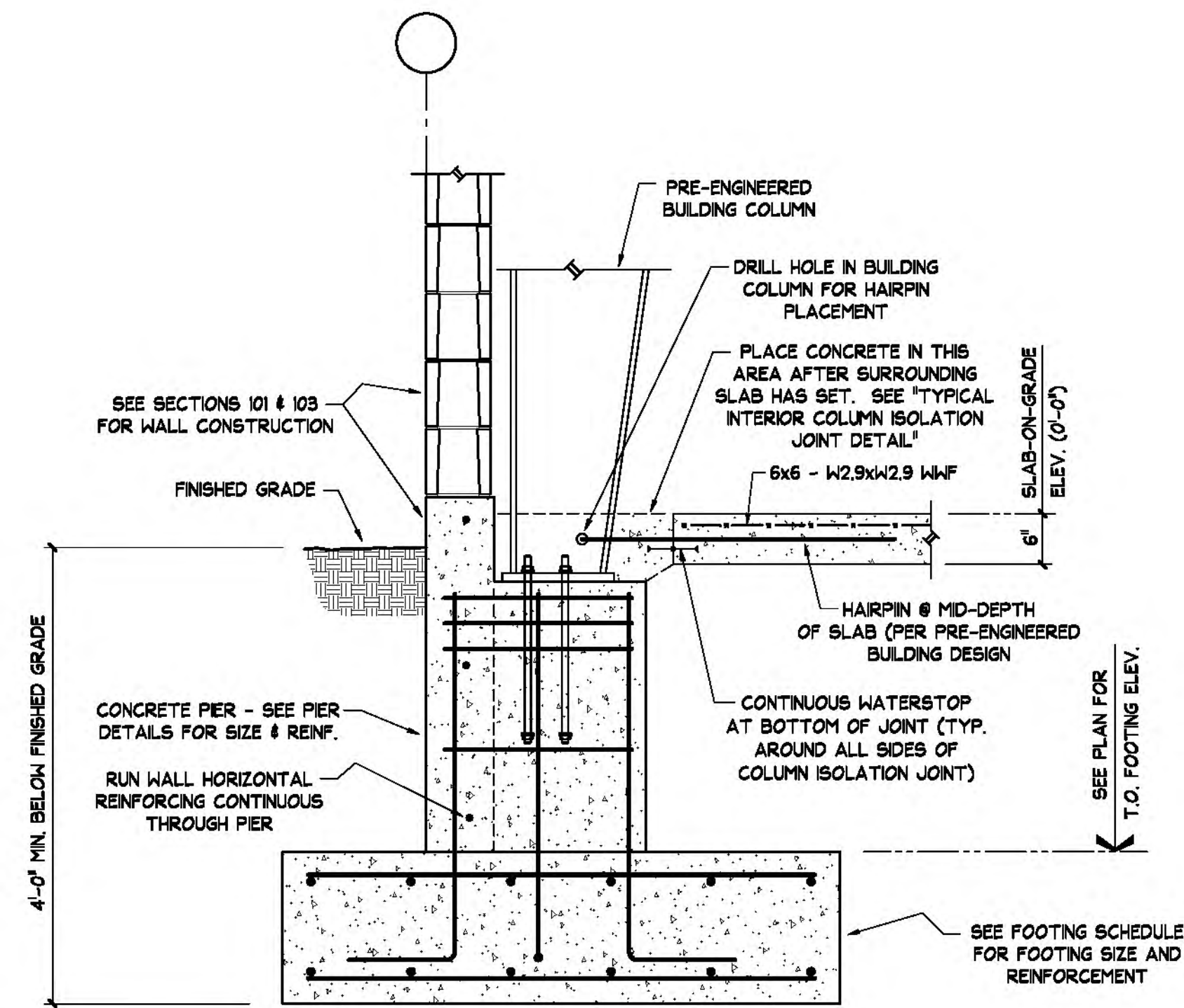
DRUM MANAGEMENT BUILDING
RELOCATION PROJECT
CWM CHEMICAL SERVICES, LLC.
MODEL CITY FACILITY
MODEL CITY, NEW YORK



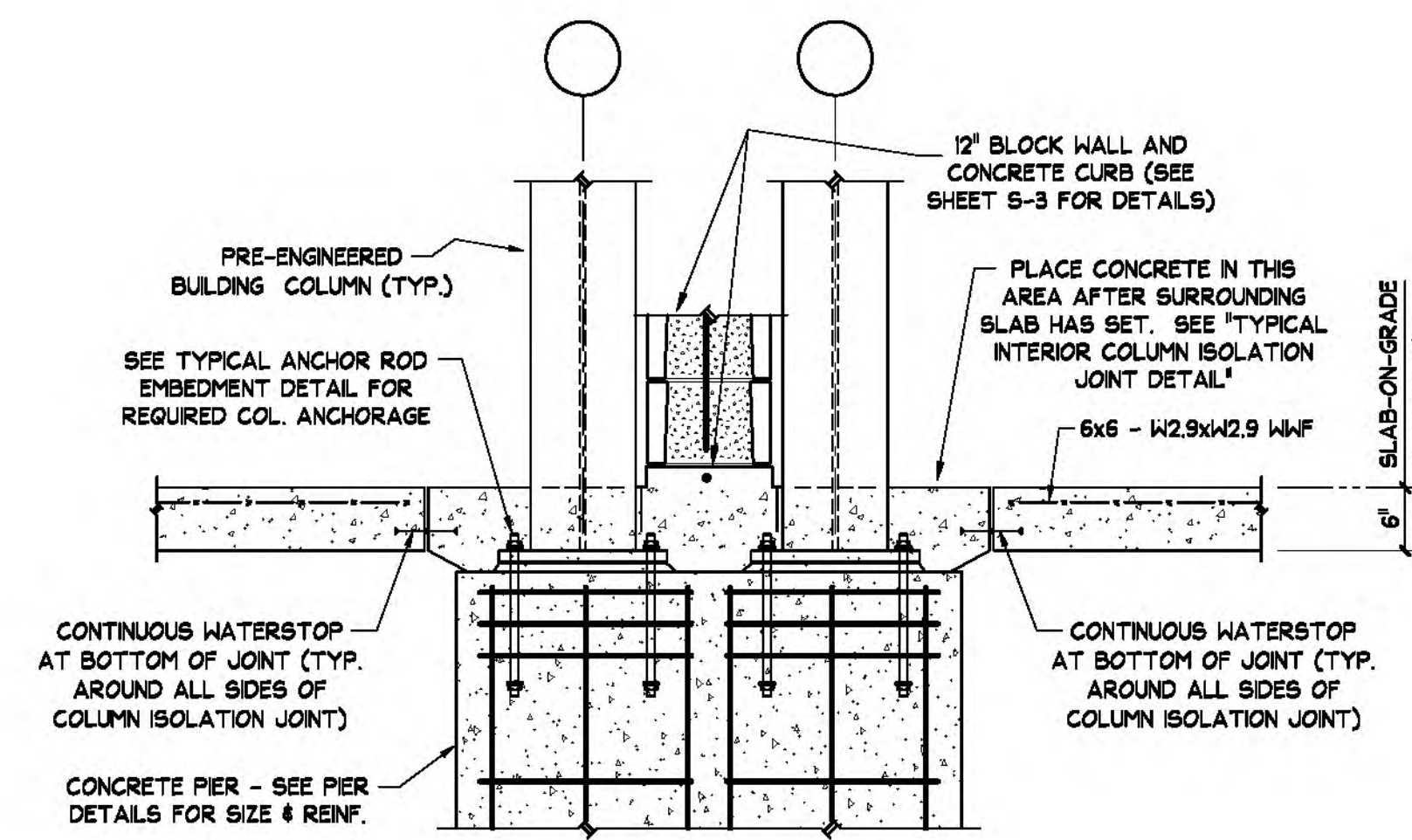
CHECKED	DATE
DESIGN ENGINEER	
PROJECT ENGINEER	
PROJECT MANAGER	
APPROVED	
APPROVED	

FOUNDATION DETAILS			
DRWN	FMF	DATE	8/13/13
SCALE	AS NOTED	JOB NO.	
		REVISION DATE	
		FILE NAME	

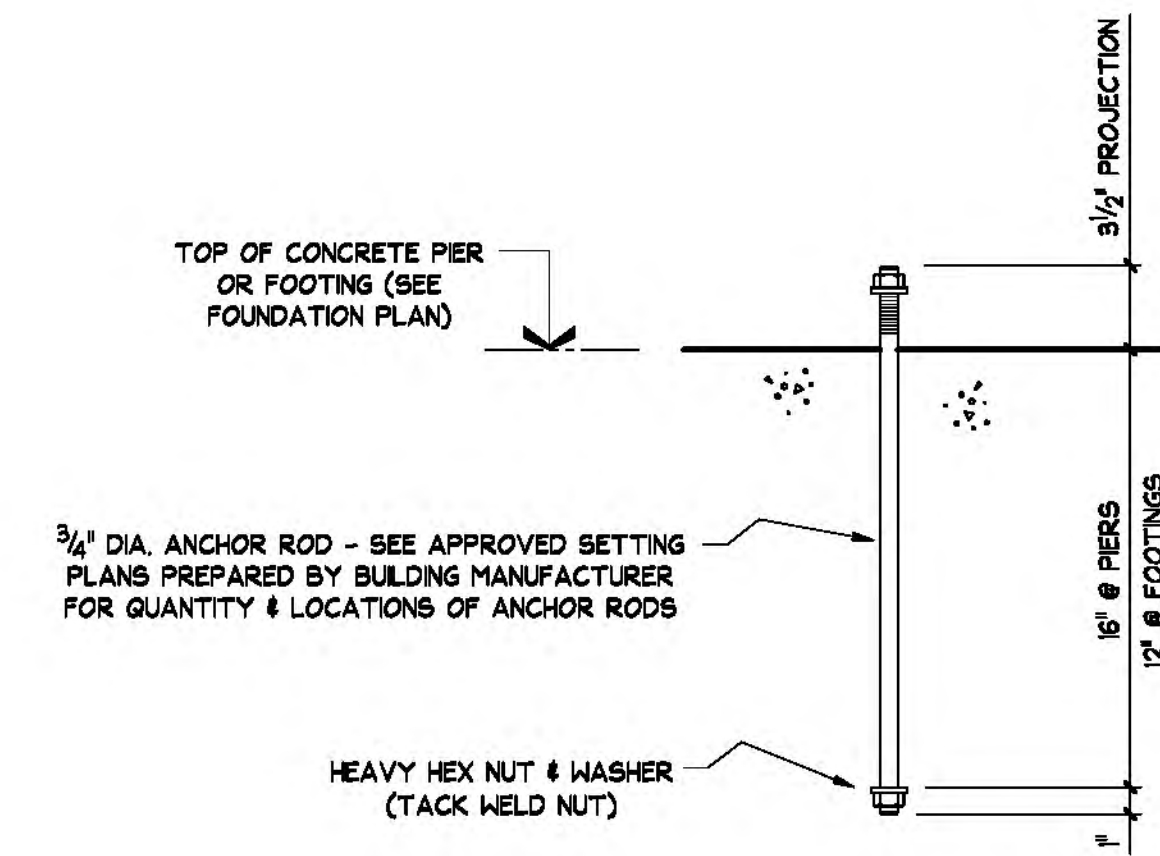
DRAWING NO.	
S-4	
REV. NO.	
SHEET	OF
5	6



TYPICAL EXTERIOR COLUMN FOUNDATION DETAIL
3/4" = 1'-0"



TYPICAL INTERIOR COLUMN FOUNDATION AND CURB DETAIL
3/4" = 1'-0"



TYPICAL ANCHOR ROD EMBEDMENT DETAIL
NO SCALE

NOTE:
ALL ANCHOR BOLTS TO CONFORM TO ASTM F1554, GRADE 36.

NO.	DATE	APPR.	REVISION

GREAT LAKES ENVIRONMENTAL & SAFETY CONSULTANTS, INC.

 50 RIDGE ROAD
 BUFFALO, NEW YORK 14218
 716-827-0700

WM
WASTE MANAGEMENT
 DRUM MANAGEMENT BUILDING RELOCATION PROJECT
 CWM CHEMICAL SERVICES, LLC.
 MODEL CITY FACILITY
 MODEL CITY, NEW YORK

STATE OF NEW YORK
 ALBERT G. LORON, JR.
 LICENSED PROFESSIONAL ENGINEER
 074710

DESIGN ENGINEER	DATE
PROJECT ENGINEER	
PROJECT MANAGER	
APPROVED	
APPROVED	

FOUNDATION DETAILS

DRWN	FMF	DATE	8/13/13	REVISION DATE	
SCALE	AS NOTED	JOB NO.		FILE NAME	

DRAWING NO.	S-5
REV. NO.	
SHEET	6 OF 6