

GENERAL MOTORS

PROJECT TEAM

CONSTRUCTION MANAGER
GALLAGHER - KAISER
5555 New King Dr
Troy, MI 48098

CONSTRUCTION MANAGER
WALBRIDGE
777 Woodward Ave
Detroit, MI 48226

ARCHITECT / ENGINEER
GHAFARI ASSOCIATES, LLC
17101 Michigan Avenue
Dearborn, MI 48126

PROJECT NUMBERS

GENERAL MOTORS COMPANY

103818

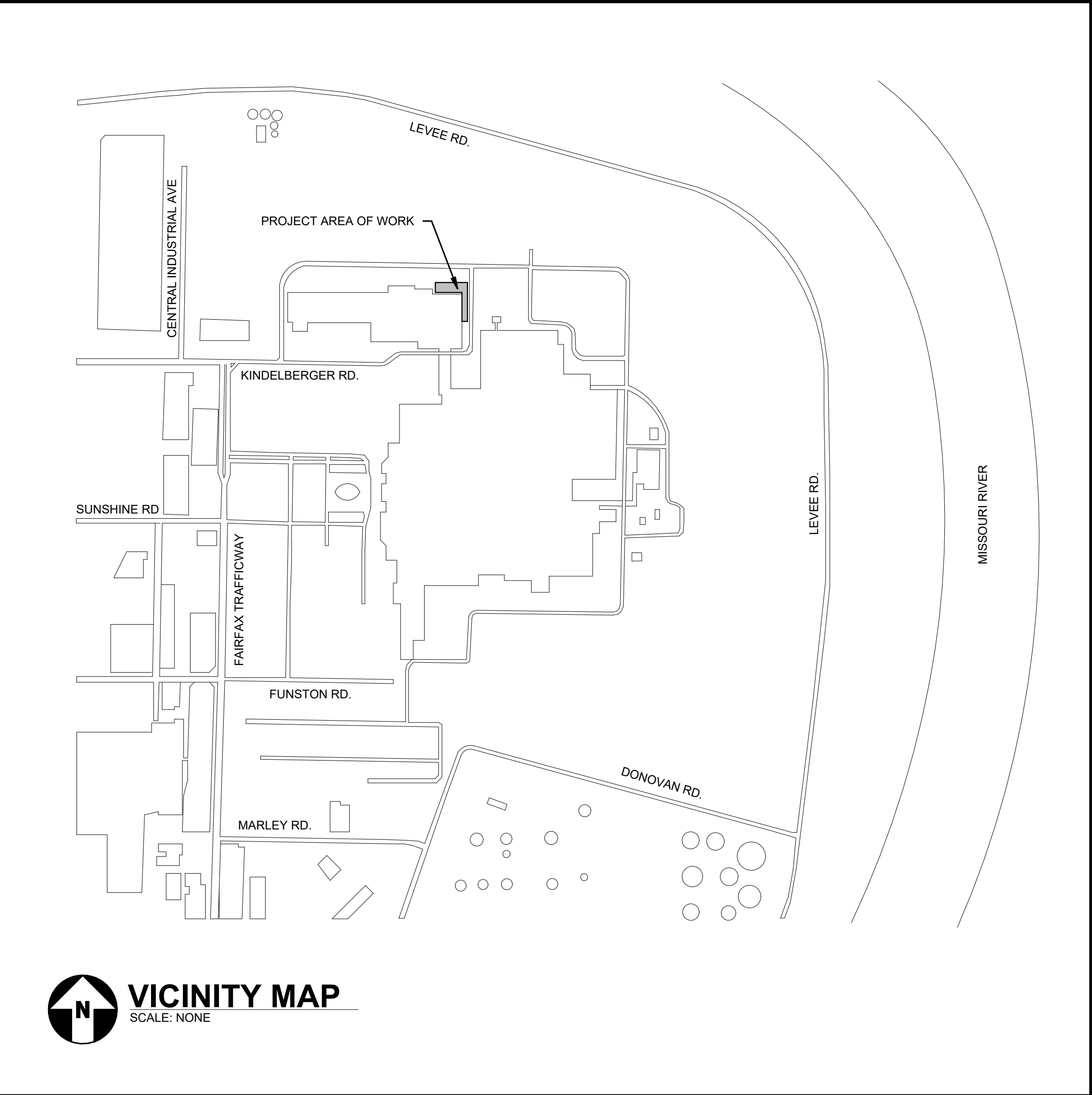
ARCH/ENG OF RECORD

2600050

PROJECT TITLE

GM FAIRFAX
PAINTED BODY
ASRS

VICINITY MAP



ISSUED FOR

REASON FOR ISSUANCE

DOC REL 05 - IFC - TRESTLE FOUNDATIONS

ISSUE DATE

07/30/26

VOLUME (1 OF #)

COMMENTS
PROJECT SCOPE CONSISTS OF A AUTOMATIC STORAGE RETRIEVAL SYSTEM TO THE EXISTING GENERAL MOTORS FACILITY. THIS ADDITION IS BETWEEN THE EXISTING EXIT OF VERIFICATION STATION IN THE PAINT SHOP AND THE FORK TRANSFER STATION. WORK WILL INCLUDE CIVIL, STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING.

EXISTING PLANT:	941,825 SF
ASRS ADDITION:	43,061 SF
TOTAL AREA:	984,886 SF
USE GROUP:	S-2
CONSTRUCTION TYPE:	II-B
BUILDING HEIGHT:	

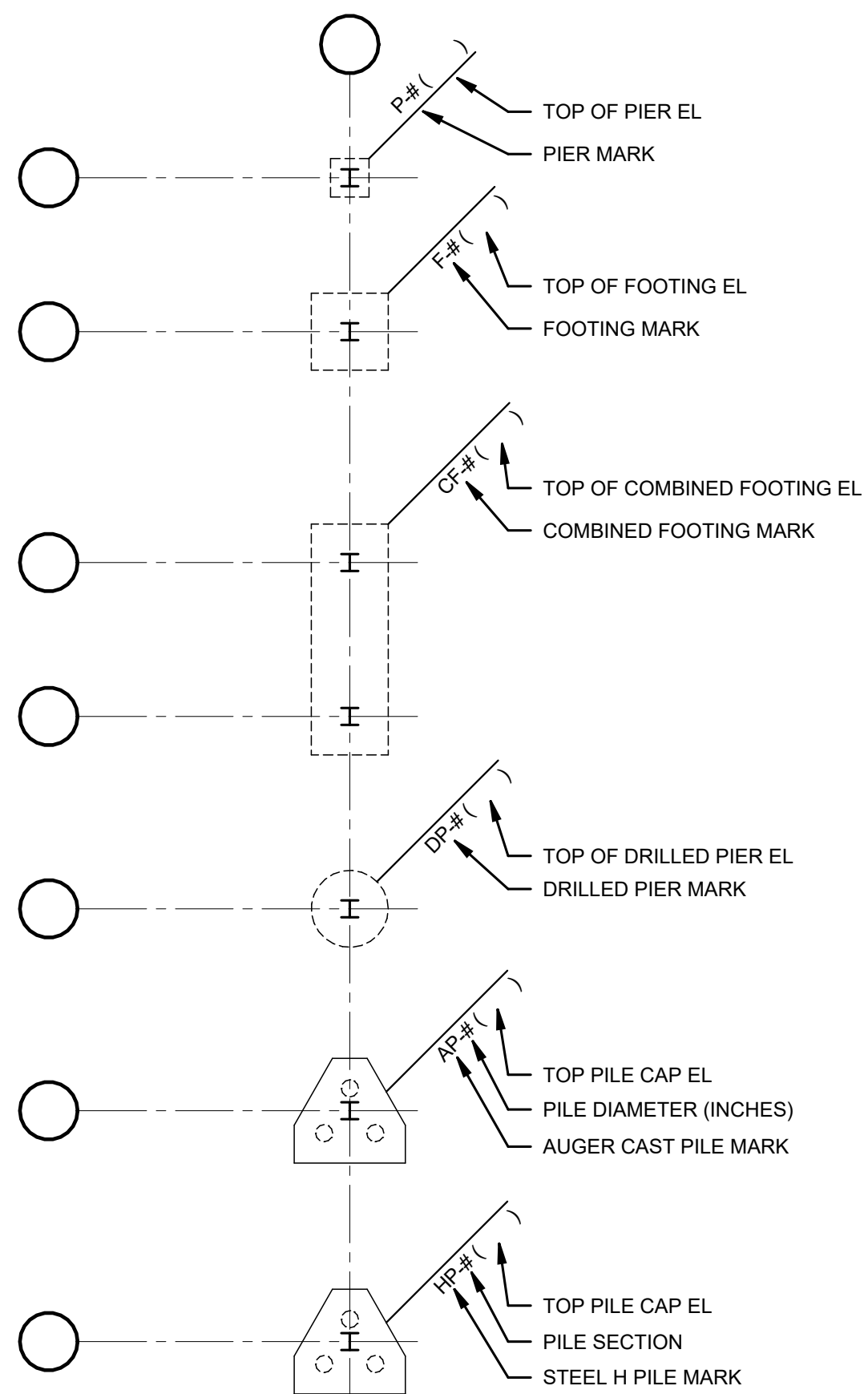
PROJECT IMAGE

STRUCTURAL ABBREVIATIONS

CONT CT	CONTINUOUS CARRYING TRUSS
DH DJ	DOOR HEADER DOOR JAMB
EOD EQ SP EXP IT EXIST	EDGE OF DECK EQUALLY SPACED EXPANSION JOINT EXISTING
FDN FT	FOUNDATION FEET, FOOT, FLOOR TRUSS
HP	HIGH POINT
IN	INCH
JT	JOINT, JACK TRUSS
k K-F-T	KIP (1000 LB) KIP-FOOT (FEET)
LLBB LP	LONG LEG BACK-TO-BACK LOW POINT
MC MDO	MOMENT CONNECTION MAIN DOOR OPENING
PL	PLATE
REBAR	REINFORCING STEEL BARS
SFRCC SLBB SGG	STEEL FIBER REINFORCED CONCRETE SHORT LEG BACK-TO-BACK SLAB ON GRADE
TDO TC	TRUCK DOOR OPENING TOP CHORD
UD	UNDERSIDE OF DECK
UON	UNLESS OTHERWISE NOTED

STRUCTURAL FOUNDATION SYMBOL LIST

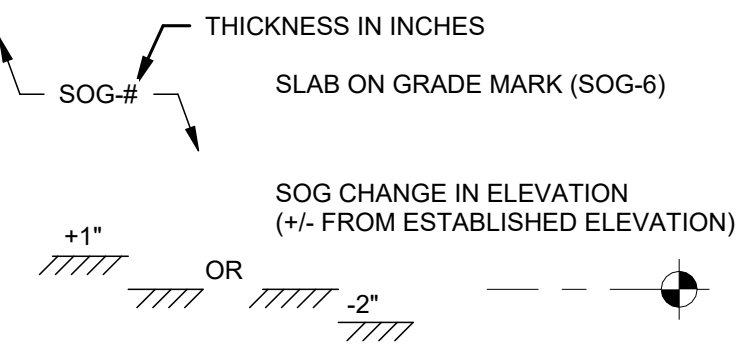
FOUNDATION NOMENCLATURE AND SYMBOLS



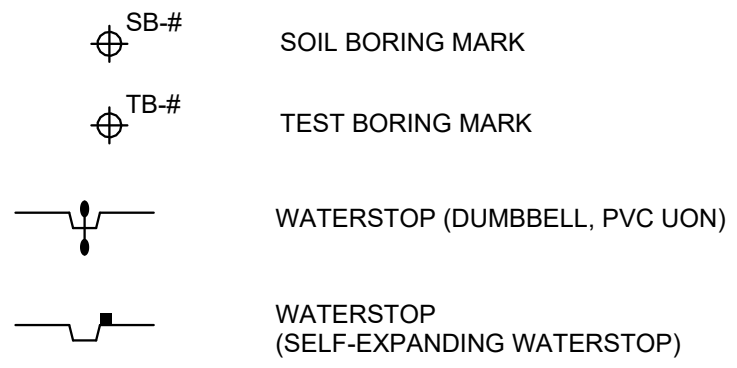
FOUNDATION WALL NOMENCLATURE

GB-# ()	GRADE BEAM MARK (TOP OF GRADE BEAM EL)
RW-#	RETAINING WALL MARK
WF-#	WALL FOOTING MARK

SLAB ON GRADE NOMENCLATURE AND SYMBOLS

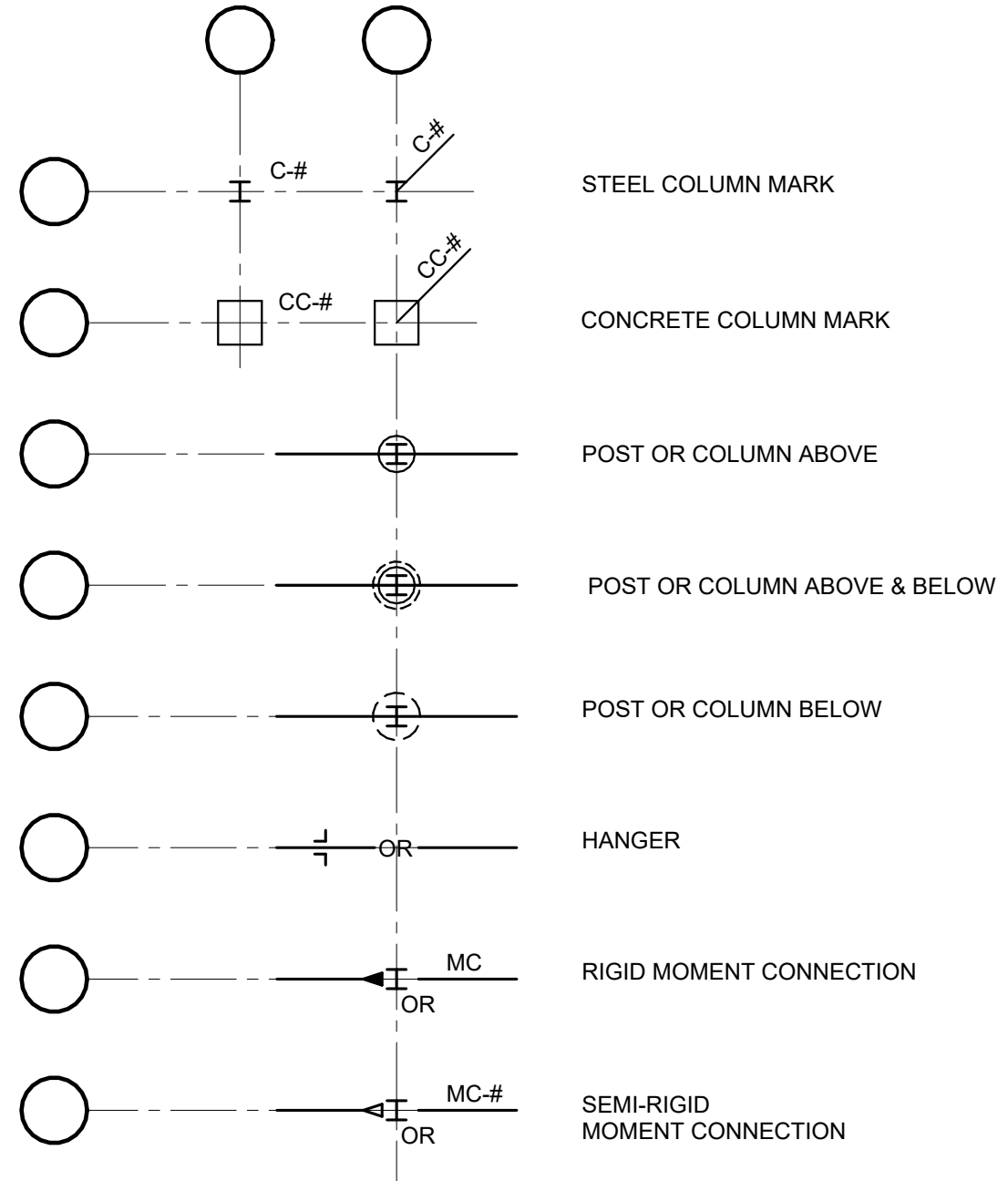


MISCELLANEOUS SYMBOLS

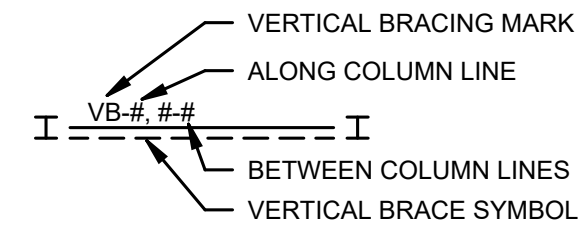


STRUCTURAL FRAMING SYMBOL LIST

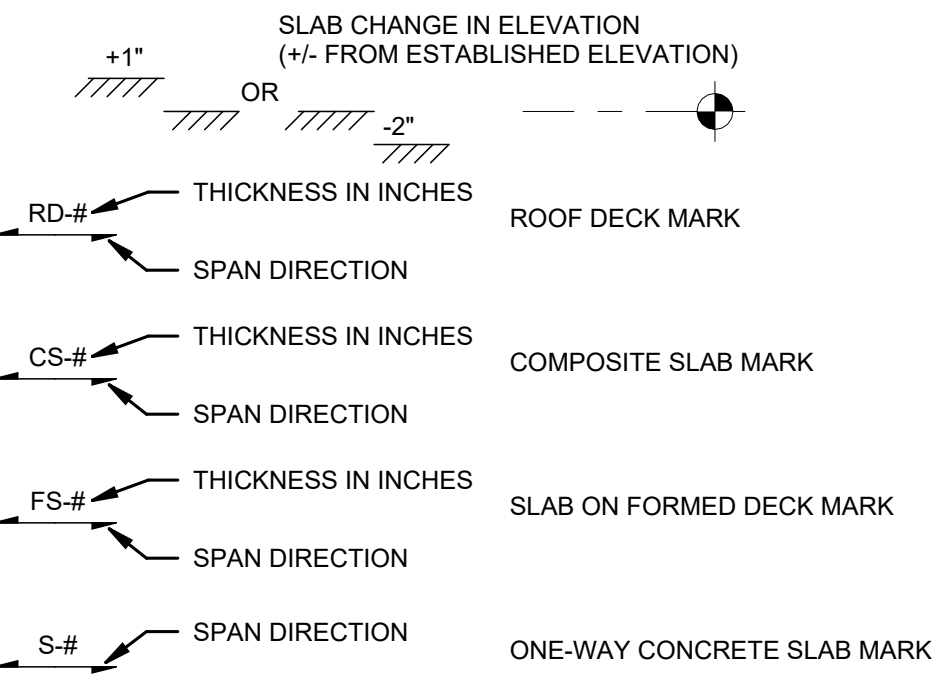
COLUMN, POST AND HANGER SYMBOLS



BRACING NOMENCLATURE AND SYMBOLS



DECK AND SLAB SYMBOLS



BEAM NOMENCLATURE

W18x35	EXISTING BEAM OR COLUMN DESIGNATION
XF - #	EXISTING FOOTING
XDP - #	EXISTING DRILLED PIER
W18x35 (#)	NUMBER OF 3/4" DIA STUDS
W18x35 (+/-#')	TOS EL (+/- ESTABLISHED ELEVATION)
W18x35 C = #"	BEAM CAMBER
	END PLATE CONNECTION
	BEARING PLATE CONNECTION
	EMBEDDED PLATE CONNECTION
H=#K	HORIZONTAL DESIGN FORCE (KIPS)
M=FT-K	BEAM DESIGN MOMENT (FOOT-KIPS)
R=#K	BEAM DESIGN REACTION (SHEAR) (KIPS)
RA=#K	BEAM DESIGN REACTION (AXIAL) (KIPS)

TRUSS AND SWAY FRAME NOMENCLATURE

<u>T-#</u>	CARRYING TRUSS MARK (T-1)
<u>JT-#</u>	JACK TRUSS MARK (JT-1)
<u>FT-#</u>	FLOOR TRUSS MARK (FT-1)
<u>SF-#</u>	SWAY FRAME MARK (SF-1)
<u>RT-#, LL-#</u>	REINFORCED TRUSS ALONG COLUMN LINE BETWEEN COLUMN LINES
<u>FR-#</u>	FRAME MARK (FR-1)

[illegible]

REVISIONS

SITE/BUILDING PLAN & NORTH-ARROW

SITE/BUILDING PLAN & NORTH ARROW

GM DISCLAIMER & TYPICAL NOTES

SUPPLIER PROJECT NO. 2600050	CERTIFIED BY
SUPPLIER DRAWN BY E. McCRARY	
SUPPLIER CHECKED BY C. COSTIS	
SUPPLIER PE/PM B. ROWE	

CONSULTANT A/E FIRM INFO & LOGO

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GM FAIRFAX ASSY, STPG

Site ID: 1542
ASRS

Structure ID: 103818
Level: 00

PAINT ASRS, TRESTLE AND BATCH MODIFICATIONS

**ABBREVIATIONS AND
SYMBOLS**
60 STRUCTURAL

GM DM BAZZI, KACHORIA	GM PROJECT NO 103818
GM PM R. GALBRAITH	SHEET NUMBER
SCALE 12" = 1'-0"	S00-001
DATE	

GM PROJECT NO. 103818

SHEET NO. 103818

S100-002

GENERAL STRUCTURAL NOTES:

1. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE COMPLETED, SELF SUPPORTING, STABLE STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHOD OF CONSTRUCTION, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND PROVIDE ALL MEASURES NECESSARY TO ENSURE THE STABILITY AND SAFETY OF THE STRUCTURE, ITS COMPONENT PARTS, AND PROTECTION OF SURROUNDING EXISTING PROPERTY AND UTILITIES. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, PROTECTION OF SUBGRADE FROM FREEZING CONDITIONS, BRACING AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED WORK, OBSERVATION VISIT TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

2. GHAFARI SHALL NOT BE RESPONSIBLE IN ANY WAY FOR CONSTRUCTION MEANS, METHODS, SEQUENCES, OR PROCEDURES SINCE THESE ARE THE CONTRACTOR'S SOLE RESPONSIBILITY UNDER THE CONTRACT.

3. THE SPECIFICATIONS ARE INTENDED TO AUGMENT THE STRUCTURAL DRAWINGS AND ARE AN INTEGRAL PART OF THE CONSTRUCTION DOCUMENTS. SHOULD THE DRAWINGS DIFFER FROM THE SPECIFICATIONS, NOTIFY THE ENGINEER FOR CLARIFICATION. FOR PRICING PURPOSES, ASSUME THE DRAWINGS GOVERN.

4. TYPICAL DETAILS ARE REFERENCED FOR GENERAL CONSTRUCTION CONDITIONS AND APPLY TO THE ENTIRE PROJECT. THEY CONVEY THE ENGINEERING INTENT AND SHALL BE INCLUDED IN THE CONTRACT SCOPE OF WORK.

5. PROJECT DESIGN BASIS IS IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

BUILDING CODE:
INTERNATIONAL BUILDING CODE IBC 2018
MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES ASCE 7-16

STRUCTURAL STEEL:
SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS (AISC)
SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS (ANSI/AISC 341)

STRUCTURAL CONCRETE:
BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318)-14

CONCRETE MASONRY:
BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES (TMS 402/602)

6. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE SECTIONS OF OSHA AND THE LOCAL GOVERNING SAFETY CODES.

7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE STRUCTURAL WORK IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, SITE, AND ELECTRICAL DRAWINGS.

8. SOIL DATA IS TAKEN FROM THE GEOTECHNICAL REPORT BY KANSAS CITY TEST AND ENGINEERING, DATED 7/20/2028. THIS REPORT IS PROVIDED IN ITS ENTIRETY UNDER DIVISION 1 OF THE PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL REVIEW THEIR PROPOSED SITE CONSTRUCTION WORK PLAN WITH THE GEOTECHNICAL ENGINEER TO VERIFY THAT IT IS IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AND CONSIDERATIONS.

9. USE OF ENGINEERING DRAWINGS AS ERECTION DRAWINGS BY THE CONTRACTOR WILL NOT BE PERMITTED.

10. UNLESS OTHERWISE NOTED, ALL DETAILS, SECTIONS AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR CONDITION FOR SUBMITTING TO THE ENGINEER.

11. SHOP DRAWINGS PREPARED BY SUPPLIERS, SUBCONTRACTORS, ETC. SHALL BE REVIEWED AND COORDINATED BY THE CONTRACTOR, PRIOR TO SUBMITTING TO THE ENGINEER.

12. SHOP DRAWINGS PREPARED BY SUPPLIERS, SUBCONTRACTORS, ETC. SHALL BE REVIEWED BY THE ARCHITECT/ENGINEER FOR CONFORMANCE WITH DESIGN INTENT ONLY.

13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL RELEVANT DIMENSIONS AND ELEVATIONS FOR EQUIPMENT INSTALLATIONS AGAINST APPROVED MANUFACTURERS CERTIFIED EQUIPMENT DRAWINGS. CONTRACTOR SHALL VERIFY EQUIPMENT WEIGHT, OPENING SIZES AND LOCATIONS INDICATED ON THE STRUCTURAL DRAWINGS WITH DOCUMENTS FROM OTHER DISCIPLINES AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

14. ALL SUBMITTALS REVIEWED BY THE STRUCTURAL ENGINEER ARE REVIEWED FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY AND DOES NOT RELIEVE THE FABRICATOR/VENDOR OF RESPONSIBILITY FOR CONFORMANCE WITH DESIGN DRAWINGS AND SPECIFICATIONS, ALL OR WHICH HAVE PRIORITY OVER SUBMITTALS.

EXISTING CONSTRUCTION - UNLESS OTHERWISE NOTED

1. BEFORE SUBMITTING A PROPOSAL FOR THIS WORK, EACH BIDDER SHALL VISIT THE PREMISES AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS, TEMPORARY CONSTRUCTION REQUIRED, QUANTITIES AND TYPES OF EQUIPMENT, ETC. THE BID SHALL INCLUDE ALL SUMS REQUIRED TO DO THE WORK WITHIN THE EXISTING CONDITIONS.

2. FIELD VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES AND ELEVATIONS FOR CONFORMANCE WITH THE DRAWINGS. ALL DISCREPANCIES SHALL BE DOCUMENTED AND IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK.

3. WHERE THE EXISTING CONSTRUCTION IS TO BE ALTERED, OR OTHERWISE DISTURBED, PROVIDE TEMPORARY AND/OR PERMANENT BRACING AND SHORING AS MAY BE REQUIRED BEFORE AND DURING OPERATIONS AND UNTIL THE WORK IS SAFELY COMPLETED AND IS NO LONGER NECESSARY.

4. EXISTING CONSTRUCTION NOT UNDERGOING ALTERATION IS TO REMAIN UNDISTURBED. WHERE SUCH CONSTRUCTION IS DISTURBED AS A RESULT OF THE OPERATIONS OF THIS CONTRACT, IT SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS REQUIRED AND TO THE SATISFACTION OF THE OWNERS REPRESENTATIVE.

5. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION AND ELEVATION OF UNDERGROUND UTILITIES IN DEMOLITION AREAS BEFORE PROCEEDING WITH THE WORK. DURING EXECUTION OF WORK, PROVIDE TEMPORARY SUPPORT, BRACING, SHORING AND/OR PROTECTION AS REQUIRED FOR EXISTING UNDERGROUND UTILITIES.

6. PROVIDE FIRE SAFETY PRECAUTIONS DURING FIELD CUTTING AND WELDING OPERATIONS, MEETING THE OWNERS REQUIREMENTS.

7. CONTRACTOR TO COORDINATE WORK WITH PLANT PERSONNEL TO AVOID ANY INTERFERENCE IN PRODUCTION OPERATIONS.

DESIGN LOADS

LIVE LOADS:

32'-0" FOOT CONVEYOR LEVEL

42'-0" FOOT CONVEYOR LEVEL

STAIRS/EXITS

MECHANICAL ROOMS

ELECTRICAL SUBSTATIONS

CATWALKS

75 PSF

50 PSF

100 PSF

100 PSF

100 PSF

40 PSF

ROOF AND SNOW LOADS:

FLAT ROOF SNOW LOAD (P)
MINIMUM ROOF LIVE LOAD (L)

20 PSF

20 PSF

SNOW DRIFTING PER IBC BASED ON THE FOLLOWING:

GROUND SNOW LOAD (Pg)
SNOW EXPOSURE FACTOR (Ce)
SNOW LOAD IMPORTANCE FACTOR (I)
THERMAL FACTOR (Ct)

1

1

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SUPERIMPOSED DEAD LOADS:

ROOF DECK
ROOFING AND INSULATION
MEP

3 psf

5 PSF

10 PSF

WIND LOADS:

ULTIMATE DESIGN WIND SPEED (Vult)
RISK CATEGORY
WIND EXPOSURE CATEGORY
TOPOGRAPHIC FACTOR
INTERNAL PRESSURE COEFFICIENT (GCP)

110 MPH

C

1

1

+/- 0.18

ENCLOSED

SEISMIC LOADS:

RISK CATEGORY
SEISMIC DESIGN CATEGORY
MAPPED SPECTRAL RESPONSE ACCELERATION (Sa)
MAPPED SPECTRAL RESPONSE ACCELERATION (S1)
SITE CLASS
DESIGN SPECTRAL RESPONSE ACCELERATION (Sds)
DESIGN SPECTRAL RESPONSE ACCELERATION (Sd1)
SEISMIC IMPORTANCE FACTOR (Ie)
ANALYSIS PROCEDURE
RESPONSE MODIFICATION FACTOR
SEISMIC FORCE-RESISTING SYSTEM

II

B

0.095

0.099

D

0.101

1.11

EQUIVALENT LATERAL FORCE

1.0

ORDINARY BRACE FRAME

HANGING LOADS:

THE PRIMARY STRUCTURE HAS BEEN DESIGNED TO SUPPORT A UNIFORMLY DISTRIBUTED MECHANICAL LOAD OF 5 PSF (UNLESS OTHERWISE NOTED). THE CONTRACTOR SHALL ENSURE THAT THE MECHANICAL CONTRACTOR DESIGNS AND ROUTES ALL HANGING LOADS SUCH THAT THE AVERAGE DISTRIBUTED LOAD PER BAY DOES NOT EXCEED 5 PSF OR LOCALLY OVERSTRESS ANY COMPONENT OF THE PRIMARY BUILDING STRUCTURE.

EQUIPMENT LOADS

1. STRUCTURAL COMPONENTS ARE NOT DESIGNED FOR VIBRATORY EQUIPMENT. PLACE VIBRATORY EQUIPMENT ON ISOLATORS.

2. LOADING OF MECHANICAL ROOMS ARE BASED ON WEIGHTS OF ASSUMED EQUIPMENT INDICATED ON THE MECHANICAL DRAWINGS INCLUDING CONCRETE HOUSEKEEPING PAD. REPORT ANY PLANNED CHANGE IN EQUIPMENT TYPE, SIZE, WEIGHT, OR QUANTITY TO THE ENGINEER FOR DIRECTION BEFORE PROCEEDING.

BACKFILLING - UNLESS OTHERWISE NOTED:

1. DO NOT PLACE BACKFILL AGAINST BASEMENT FOUNDATION WALLS UNTIL BASEMENT LEVEL AND FIRST FLOOR SLABS ARE IN PLACE. SHORE AND/OR BRACE WALLS AS REQUIRED IF BACKFILLING OPERATIONS ARE TO BE CARRIED OUT PRIOR TO PLACEMENT OF FLOOR SLABS.

2. PROVIDE A BALANCED BACKFILL AGAINST FOUNDATION WALLS TO ELIMINATE LATERAL LOAD EFFECTS, OR PROVIDE NECESSARY TEMPORARY LATERAL SUPPORT TO THE TOP OF THE WALL UNTIL PERMANENT SUPPORT IS INSTALLED.

3. BACKFILL PLACED DIRECTLY ADJACENT TO RETAINING WALLS SHALL BE COMPACTED USING HAND OPERATED EQUIPMENT. NO HEAVY EQUIPMENT SHALL BE ALLOWED WITHIN 5 FEET OF ANY WALL.

4. AFTER EXCAVATING FOR ALL EARTH-SUPPORTED FLOOR AND STAIR SLABS, THE EXPOSED NATURAL SOIL SHALL BE THOROUGHLY COMPACTED PRIOR TO PLACING FILL.

5. BACKFILL MATERIAL SHALL CONSIST OF CLEAN, WELL GRADED GRANULAR SOILS, FREE OF ORGANIC MATERIAL, SILT AND CLAY.

6. BACKFILL MATERIAL FOR SLABS-ON-GRADE SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY, AS DETERMINED BY THE MODIFIED PROCTOR METHOD (ASTM D1557), IN LIFTS NOT EXCEEDING 6 INCHES.

CAST-IN-PLACE CONCRETE - UNLESS OTHERWISE NOTED:

1. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE PUBLICATIONS: ACI 301, ACI 311, ACI 313, ACI 318, ACI 341, ACI 304.

2. ALL REINFORCING STEEL SHALL BE HIGH STRENGTH NEW BULLET STEEL, CONFORMING TO ASTM A615 GRADE 60. ALL BAR DETAILING AND ACCESSORIES TO BE FURNISHED SHALL CONFORM TO TYPICAL DETAILS IN THE LATEST ACI STANDARD 315 DETAILING MANUAL.

3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WITH MINIMUM 8" LAP.

4. PRINCIPAL REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE PROTECTION:

A. SURFACES NOT FORMED

B. FORMED SURFACES IN CONTACT WITH SOIL OR WATER

C. BEAMS, GIRDERS, AND COLUMNS

D. WALLS (INTERIOR SURFACES ONLY)

3 INCHES

2 INCHES

1 1/2 INCHES

1 INCH

5. REINFORCING BAR DEVELOPMENT LENGTH

BAR SIZE

BOTTOM BAR Ld (IN)
28 DAY CONCRETE STRENGTH

TOP BAR Ld (IN)
28 DAY CONCRETE STRENGTH

4000 PSI

5000 PSI

4000 PSI

5000 PSI

#3

15

13

19

17

#4

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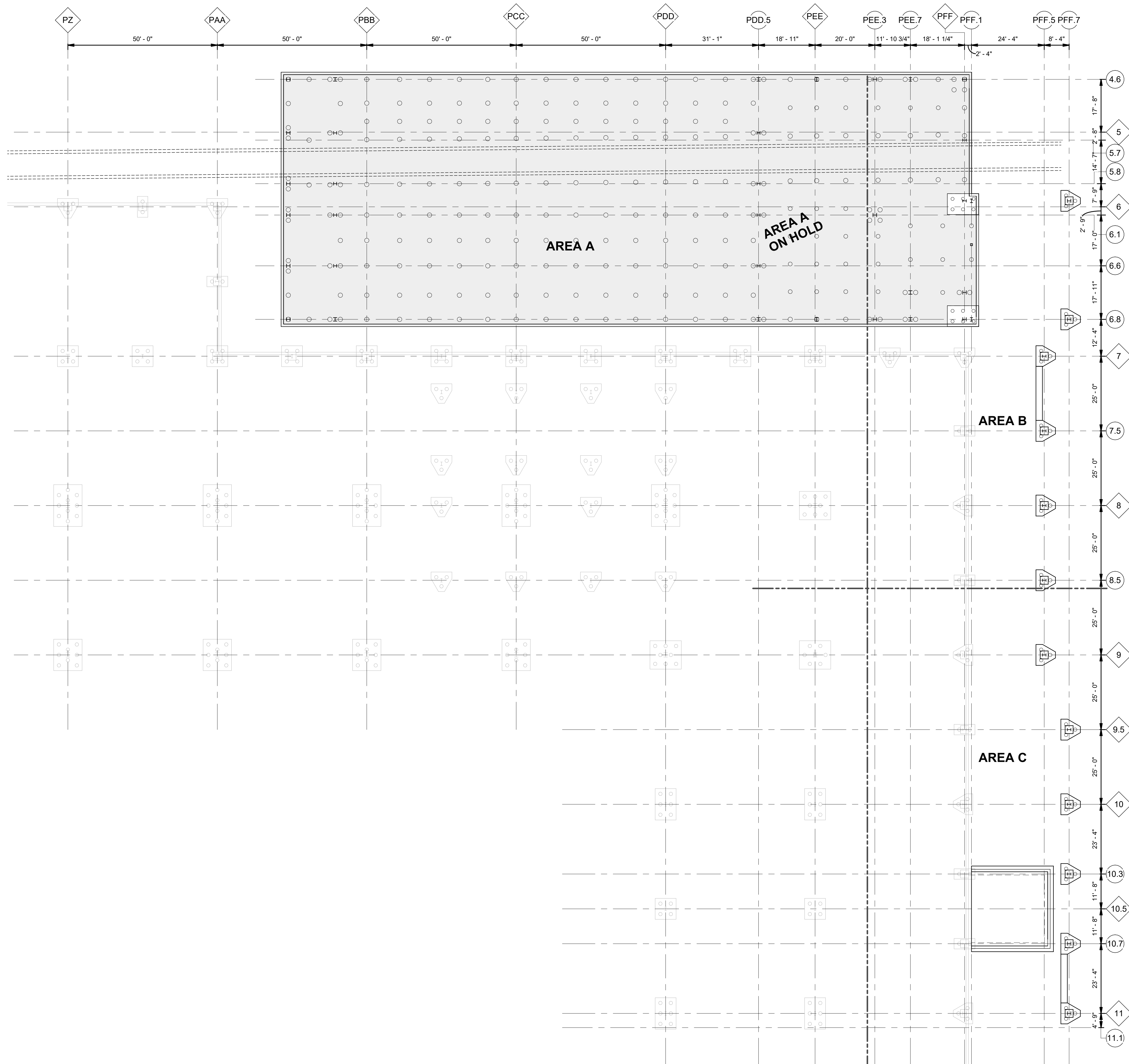
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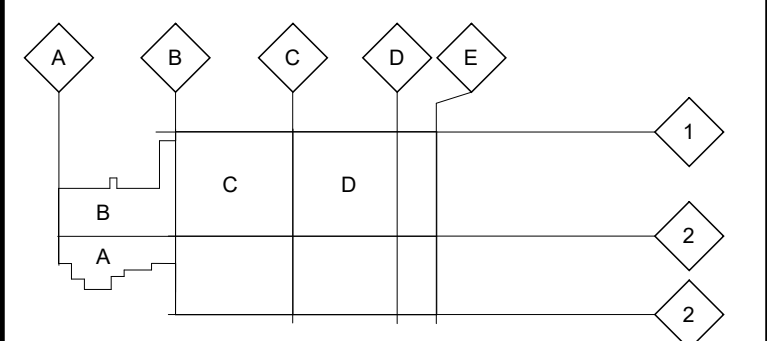


 FOUNDATION PLAN - COMPOSITE
SCALE: 1/16" = 1'-0"

ISSUED FOR REFERENCE ONLY

[illegible]

REVISIONS



SITE/BUILDING PLAN & NORTH ARROW

GM DISCLAIMER & TYPICAL NOTES

SUPPLIER PROJECT NO. 2600050	CERTIFIED BY
SUPPLIER DRAWN BY E. McCRARY	
SUPPLIER CHECKED BY C. COSTIS	
SUPPLIER PEPM B. ROWE	

CONSULTANT A/E FIRM INFO & LOGO

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General Motors

4400 Mound Road, Warren, MI 48090

M FAIRFAX ASSY STPG

Site ID: 1542

ASRS

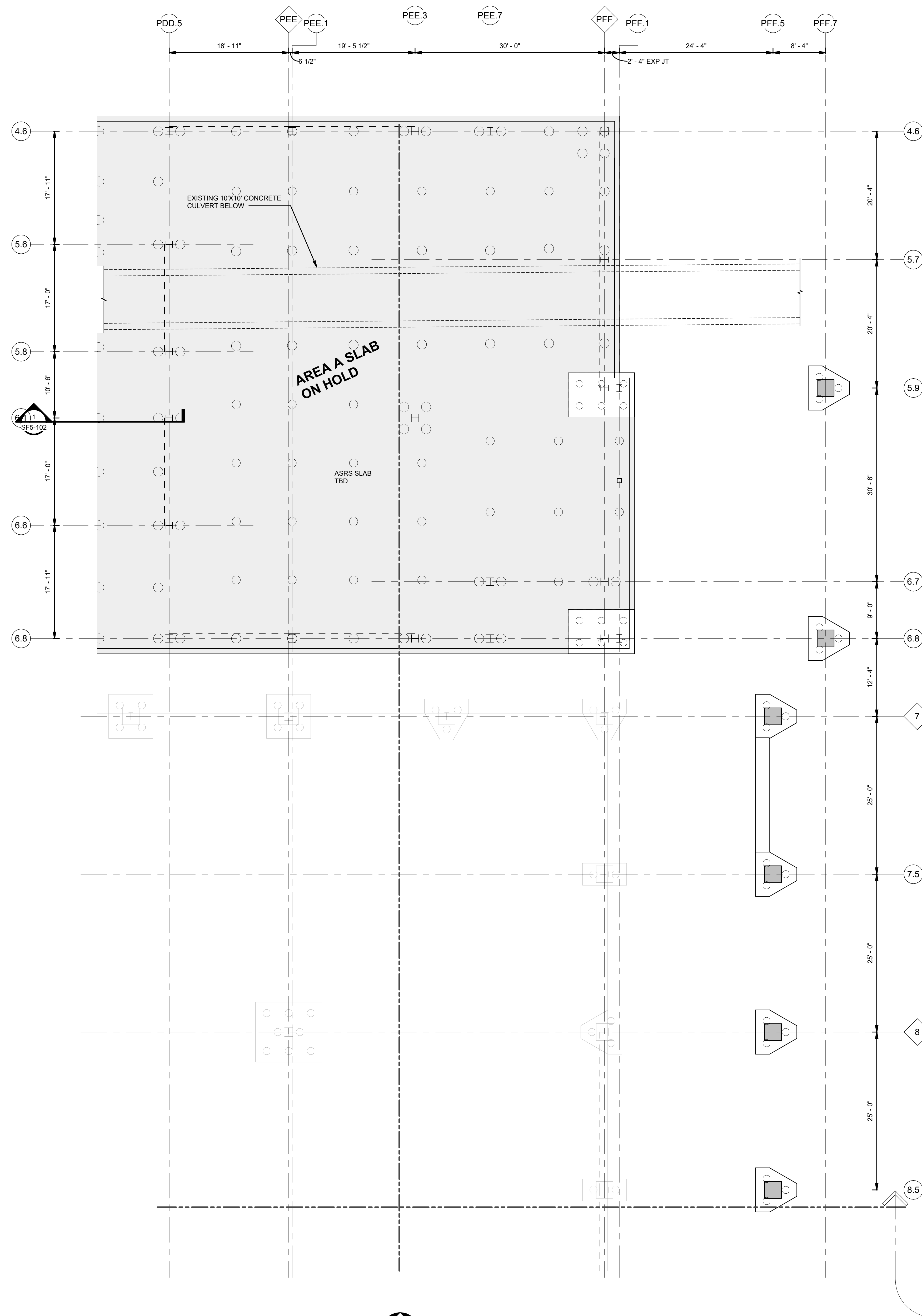
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**PAINT ASRS, TRETTLE AND
BATCH MODIFICATIONS**

**FOUNDATION PLAN -
COMPOSITE**
62 STRUCTURAL SUBSTRUCTURE

62 STRUCTURAL SUBSTRUCTURE

GM DM BAZZI, KACHORIA	GM PROJECT NO 103818
GM PM R. GALBRAITH	SHEET NUMBER
SCALE 1/16" = 1'-0"	SB1-001
DATE	



- FOUNDATIONS/SLAB ON GRADE NOTES:**
1. REFERENCE ELEVATION 100'-0" + USGS DATUM
ELEVATION TWO ESTABLISHED ELEVATIONS:
FINISH FIRST FLOOR EL 100'-0" UON,
TOP OF PIER CAP EL 98'-0"
TOP OF GRADE BEAM EL 100'-0" UON
TOP OF FORMED PIER EL 102'-0" UON.
 2. SLAB ON GRADE TYPES:
SOG-4' 6" REINFORCED CONCRETE SLAB ON GRADE. SEE
GEO TECHNICAL REPORT FOR SUBGRADE REQUIREMENTS.
SOG-30' 30" REINFORCED CONCRETE SLAB ON GRADE.
 3. REFER TO THE FOLLOWING FOR ADDITIONAL
INFORMATION:
SC-4XX FOR GENERAL STRUCTURAL NOTES.
SB-7XX FOR FOUNDATION SCHEDULES AND TYPES.
SB-7XX FOR PIER SCHEDULE AND TYPES.
SF-2XX FOR BRACE FRAME ELEVATIONS.
SF-7XX FOR COLUMN KEY PLAN AND SCHEDULES.
 4. PILING, LOCATE EXISTING UNDERGROUND UTILITIES,
FIELD, LOCATE PRIOR TO PLACEMENT OF FOUNDATIONS.
NOTIFY ENGINEER OF ANY INTERFERENCE WHICH
MIGHT REQUIRE RELOCATION AND/OR MODIFICATION
OF FOUNDATIONS.

	07/30/26	DOC REL 05 - IFC
	07/20/26	DOC REL 04 - IFP
	06/10/26	DOC REL 02 - STEEL MILL ORDER
	05/15/26	DOC REL 01 - STEEL MILL ORDER

REVISIONS

SITE/BUILDING PLAN & NORTH ARROW

GM DISCLAIMER & TYPICAL NOTES

SUPPLIER PROJECT NO. 2600050	CERTIFIED BY
SUPPLIER DRAWN BY E. McCrARY	
SUPPLIER CHECKED BY C. COSTIS	
SUPPLIER PE/PM B. ROWE	

CONSULTANT A/E FIRM INFO & LOGO

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General Motors

30400 Mound Road, Warren, MI 48090

GM FAIRFAX ASSY, STPG

Site ID: 1542
ASRS

Structure ID: 103818
Level: 00

PAINT ASRS, TRESTLE AND BATCH MODIFICATIONS

SLAB ON GROUND PLAN

62 STRUCTURAL SUBSTRUCTURE

GM DM
BAZZI, KACHORIA

GM PROJECT NO
103818

GM PM
R. GALBRAITH

SHEET NUMBER

SCALE	As indicated
DATE	

SB1-003

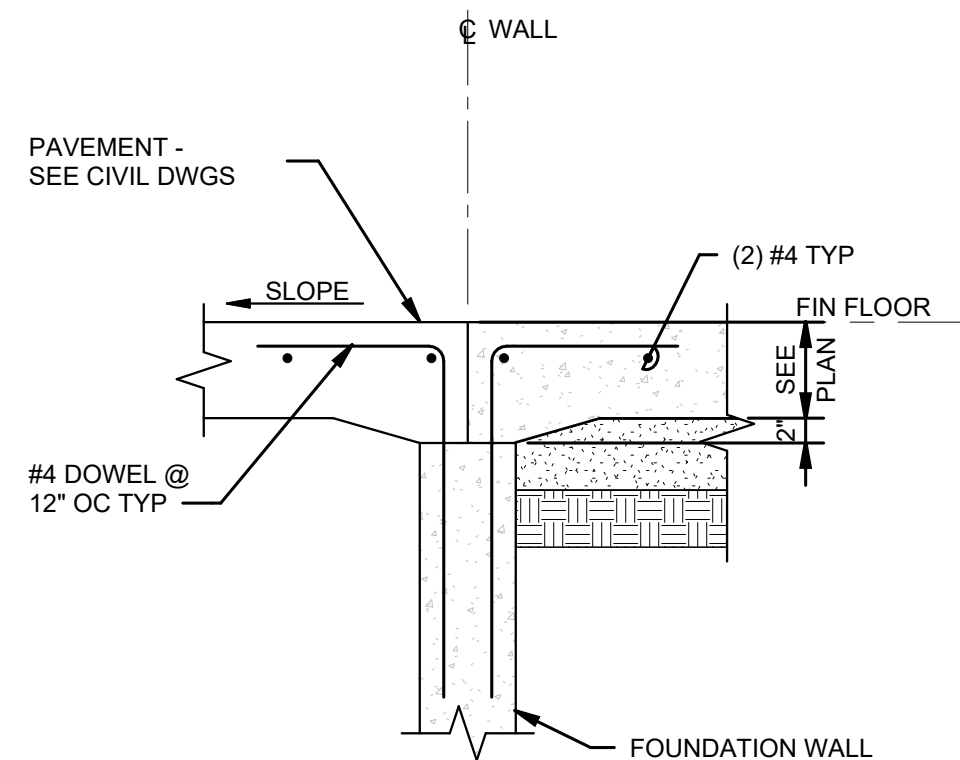
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NOTES:

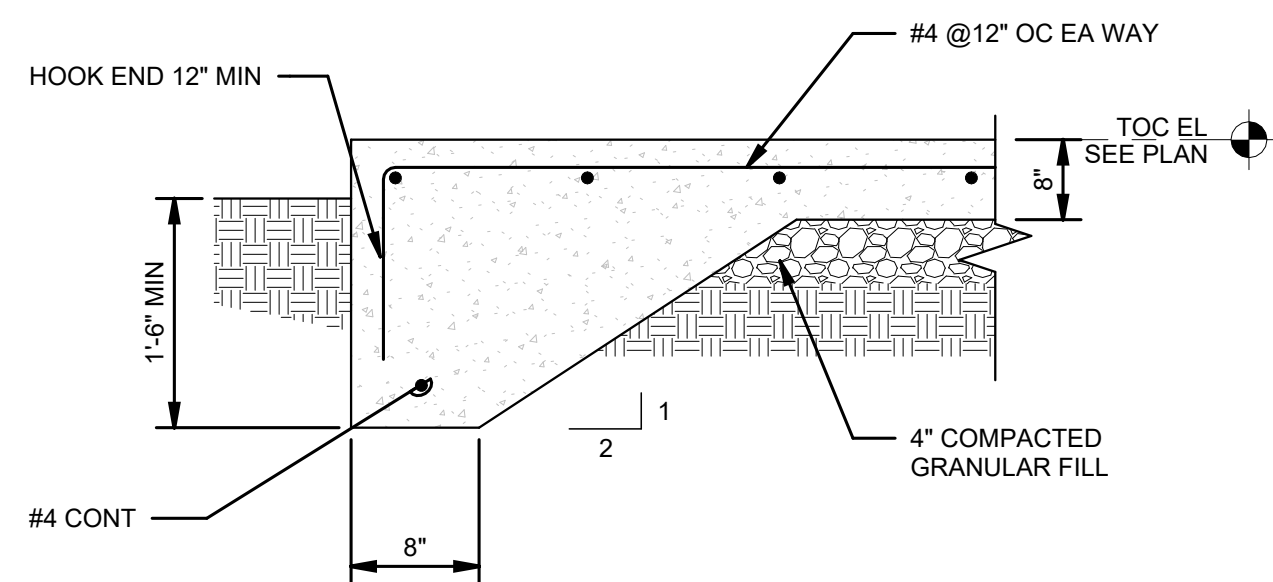
1. FORM EXPOSED SURFACES OF GRADE WALL
2. REFER TO GEOTECHNICAL REPORT FOR SUBGRADE AND PREPARATION REQUIREMENTS

NOTES:

1. FORM EXPOSED SURFACES OF GRADE WALL
2. REFER TO GEOTECHNICAL REPORT FOR SUBGRADE AND PREPARATION REQUIREMENTS

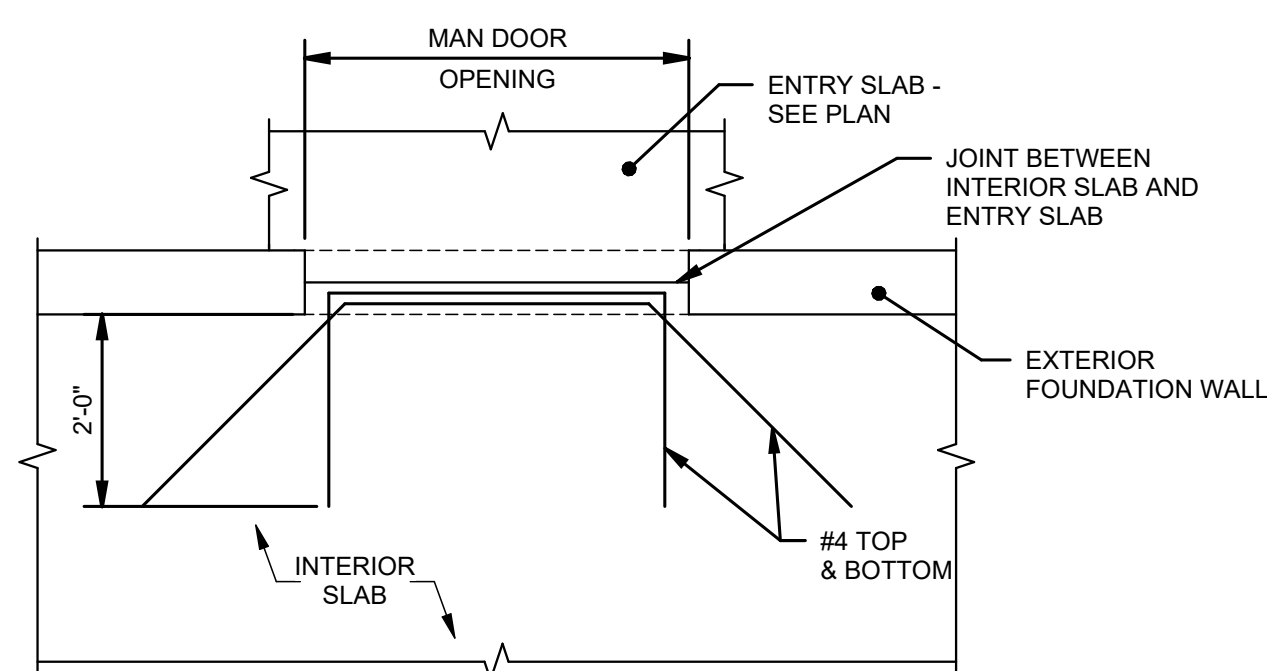


SCALE: 3/4" = 1'-0"

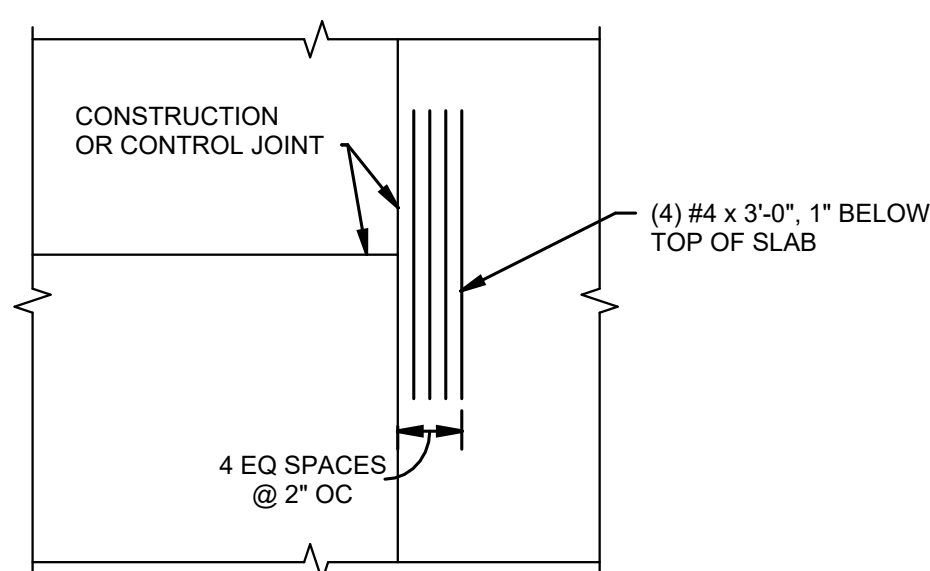


NOTE:
1. REFER TO CIVIL DRAWINGS FOR PAD SIZE
AND LOCATION

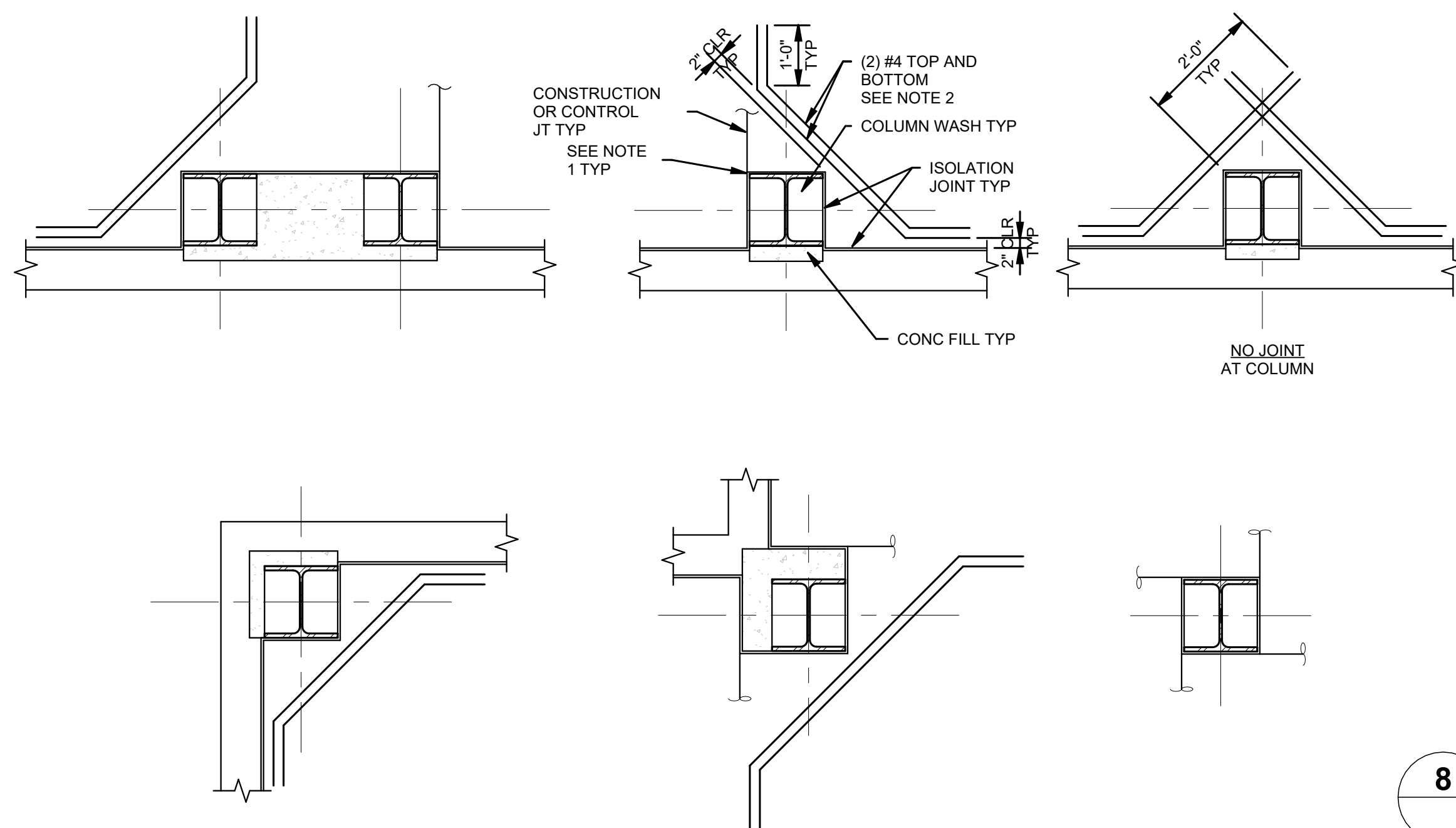
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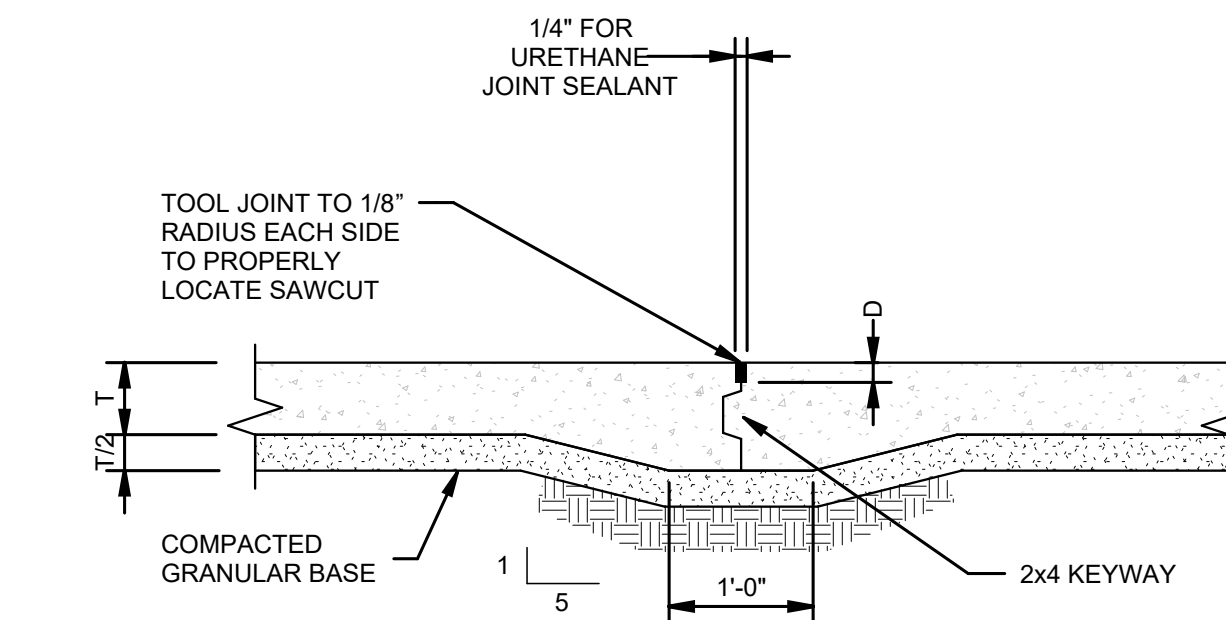
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SCALE: 1/2" = 1'-0"



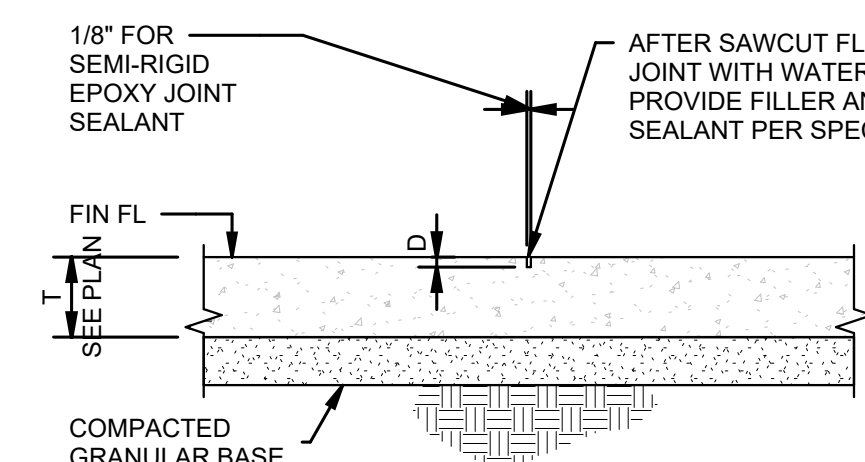
SCALE: 3/4" = 1'-0"



FOR SLAB THICKNESS 6" OR LESS

NOTES:

1. SAWCUT DEPTH
- A. SAWCUT USING WET-BLADE MACHINES :
D = T/4
- B. SAWCUT USING EARLY-ENTRY DRY-CUT SAW
D = 1 1/4"

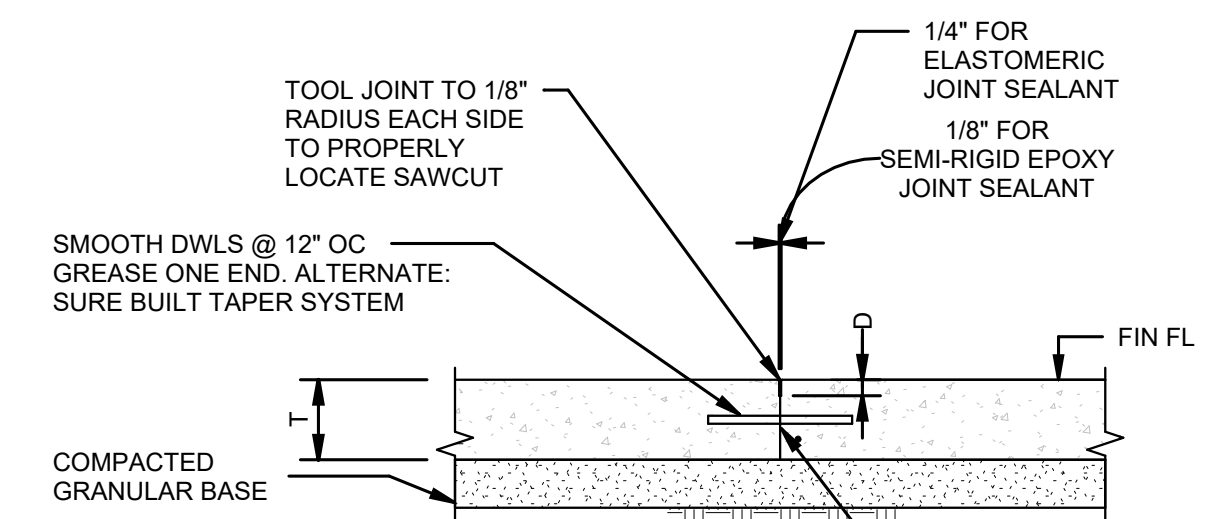


NOTES:

- 1. SAWCUT DEPTH
 - A. SAWCUT USING WET-BLADE MACHINES :
D = T/3
 - B. SAWCUT USING EARLY-ENTRY DRY-CUT SAW
D = 1 1/4" FOR SLABS UP TO 9"
D = T/4 FOR SLABS GREATER THAN 9"

FOR SLAB GREATER THAN 6" THICKNESS

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



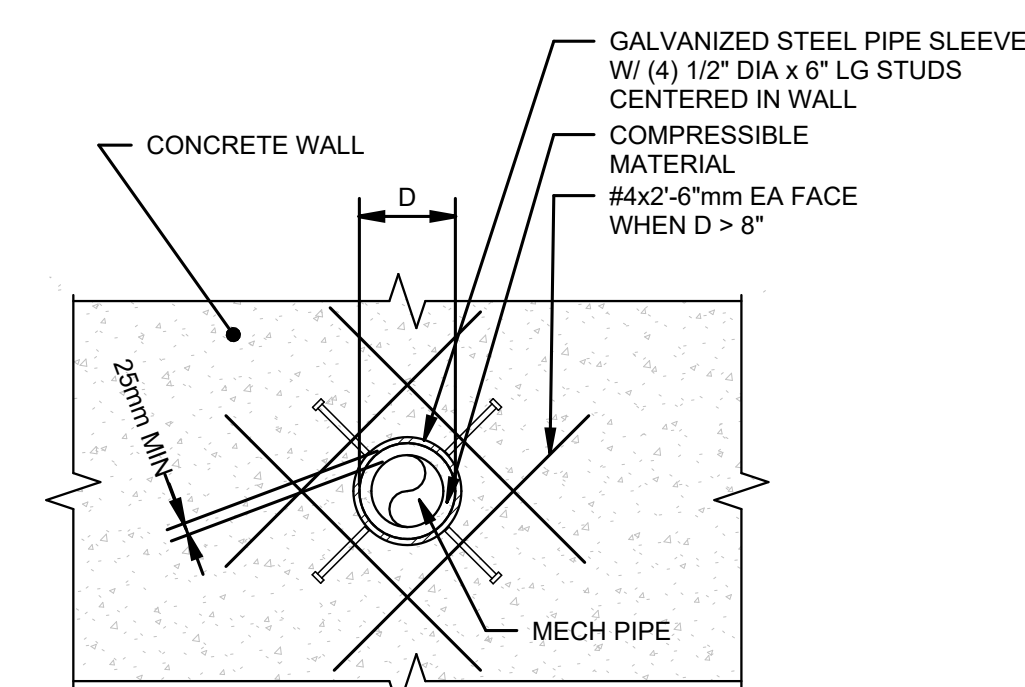
NOTES:

- SAWCUT DEPTH
- SAWCUT USING WET-BLADE MACHINES :
 $D = T/3$
- SAWCUT USING EARLY-ENTRY DRY-CUT SAW :
 $D = 1 \frac{1}{4}"$ FOR SLABS UP TO 9"
 $D = T/4$ FOR SLABS GREATER THAN 9"

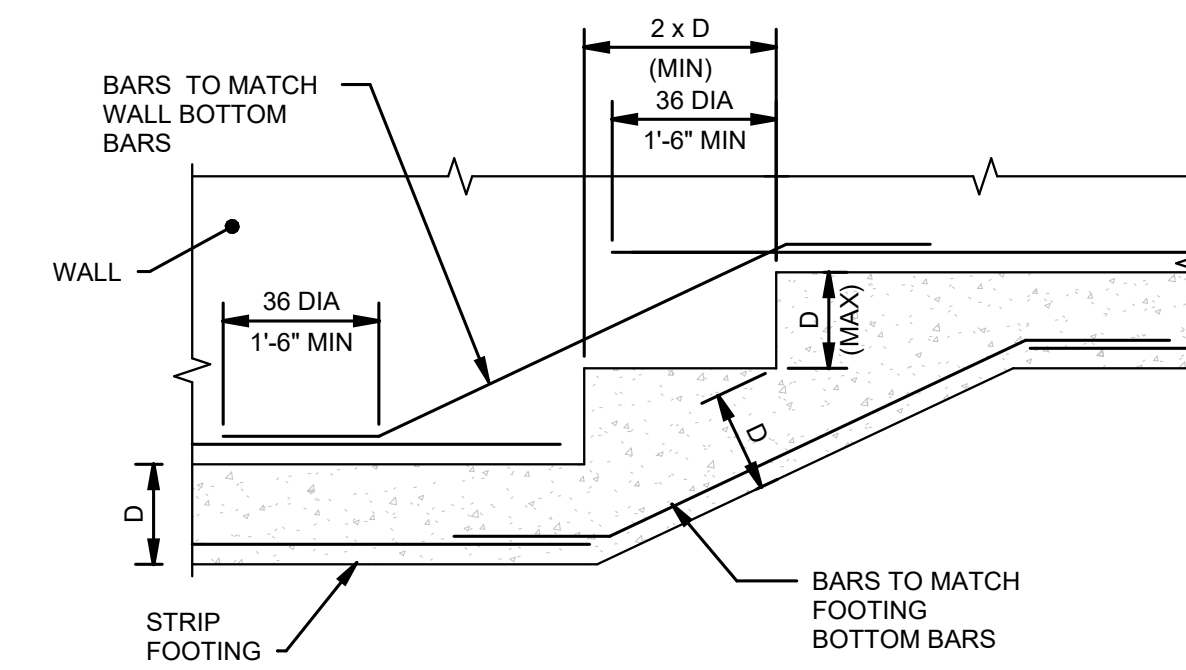
2. DOWEL SIZE :
FOR 7" TO 8" SLAB: $1" \varnothing \times 13"$
FOR 9" TO 12" SLAB: $1 \frac{1}{4}" \varnothing \times 15"$

PAINTE SURFACE WITH BOND BREAKING COMPOUND BEFORE ADJACENT SLAB IS PLACED

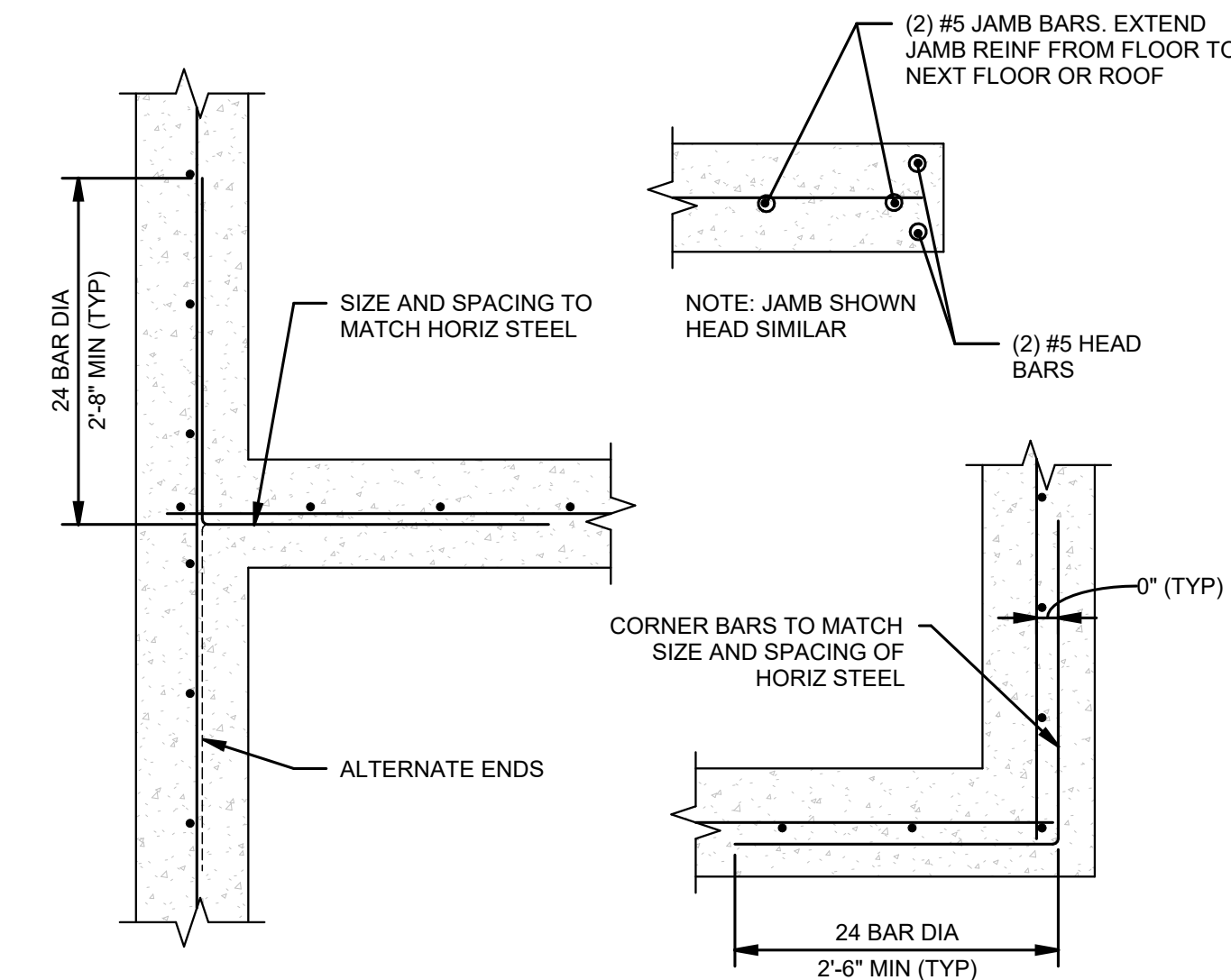
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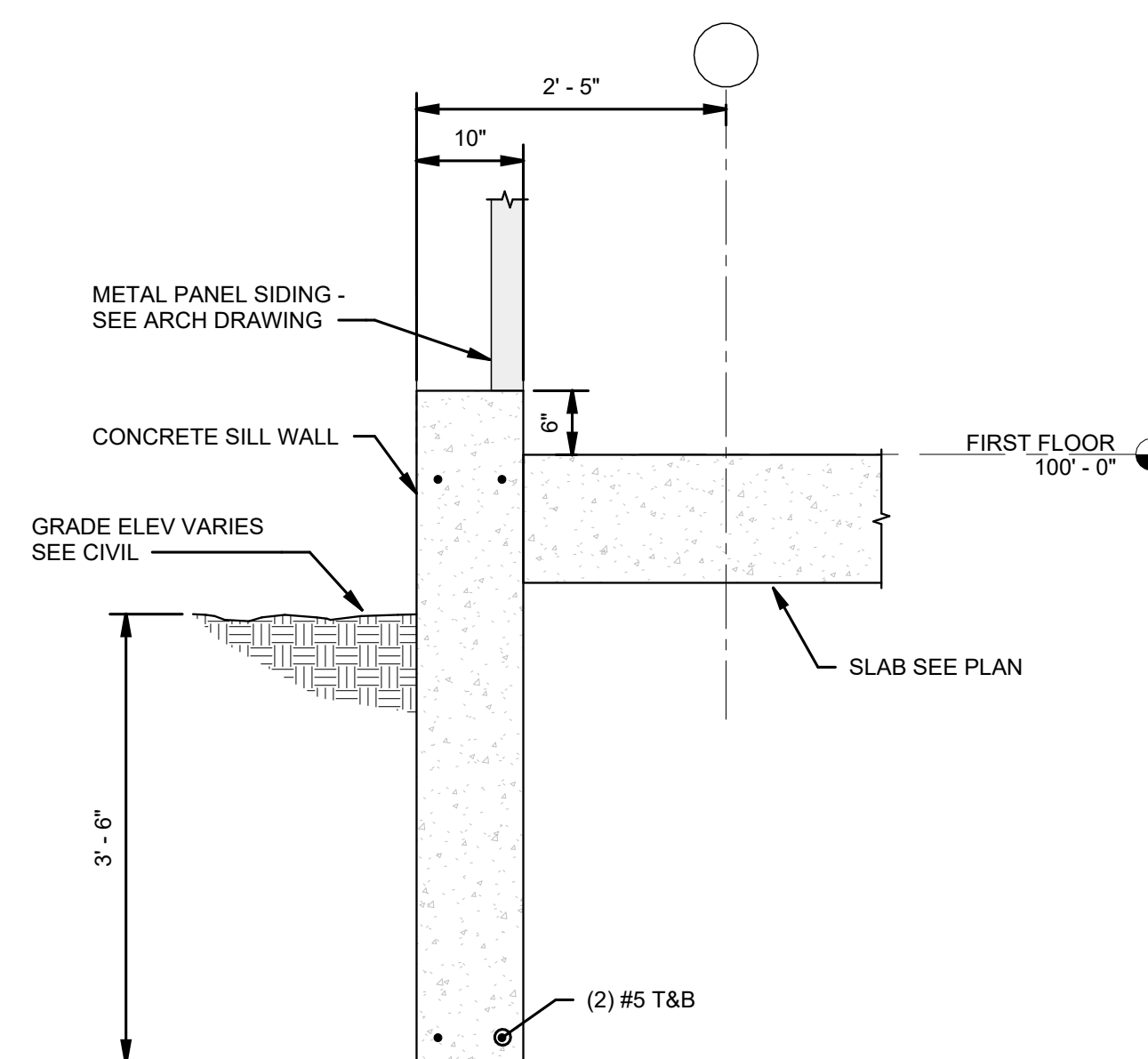
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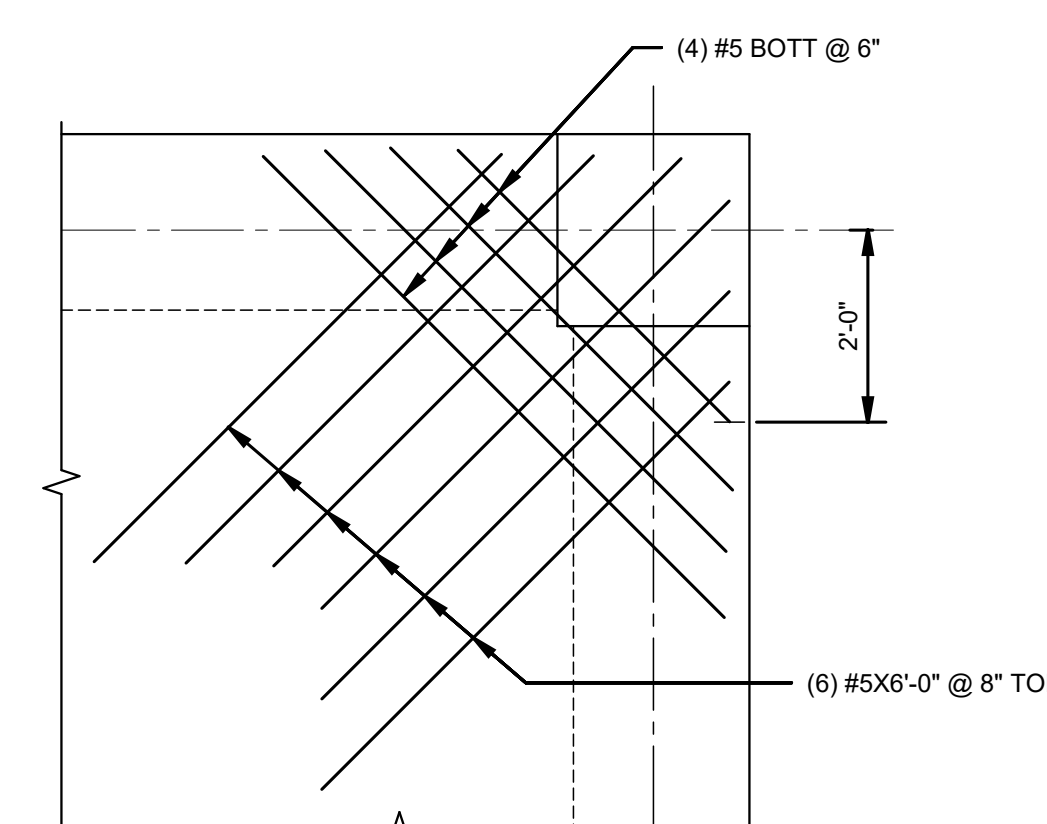
SCALE: 1/2" = 1'-0"



SCALE: $\frac{3}{4}" = 1'-0"$



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

FILE PLOT DATE STAMP 7/31/2026 1:08:34 PM

