

Civm

JMR Engineering, LLC
106 Schubert Drive
Downington, PA 19335
484-880-7342

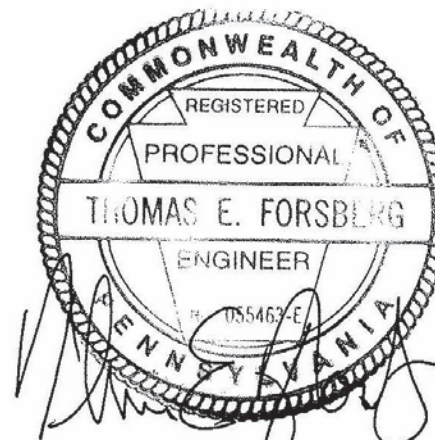
MEP

Synder Hoffman
1005 West Lehigh Street
Bethlehem, PA 18018
610-694-8020

Structural.

SchraderGroup Architecture
153 East King Street, Suite 211-212
Lancaster, PA 17602
717-299-8965

Professional Seal



Owner

West Whiteland Township

101 Commerce Drive
Exton, PA 19341

New Construction of:

WEST WHITELAND PUBLIC
WORKS FACILITY

121 VALLEY CREEK
BOULEVARD
EXTON, PA 19341

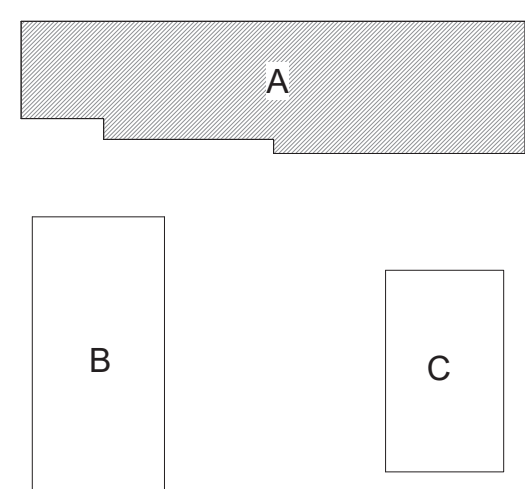
ISSUED FOR:

[illegible]

DATE: JULY 5, 2023

SGA PROJECT NUMBER: 21-037

Key Plan:



Drawing Title:

FOUNDATION PLAN
AND DETAILS -
BUILDING A

Drawing Number:

S101



S101 SCALE: 1/8" = 1'-0"

PLAN NOTES:

- PLAN NOTES:
1. DATUM ELEVATION (0'-0") IS TOP OF FIRST FLOOR SLAB ON GRADE REFERENCE CIVIL DRAWINGS FOR ACTUAL ELEVATION.
 2. TOP OF ALL FOUNDATION ELEMENTS ARE INDICATED (+/- X'-X") WITH RESPECT TO DATUM ELEVATION 0'-0".
 3. ON-GRADE CONCRETE SLAB AS FOLLOWS:
 - A. SOG-1 6" THICK NORMAL WEIGHT CONCRETE REINFORCED WITH FIBERMESH ON 6" MIN. COMPACTED STRUCTURAL SUBBASE, TYP. UNO
 - A. SOG-2 6" THICK NORMAL WEIGHT CONCRETE REINFORCED W/ #5 @ 18" O/C ON 6" MIN. COMPACTED STRUCTURAL SUBBASE, TYP
 - A. SOG-3 5" THICK NORMAL WEIGHT CONCRETE REINFORCED W/ FIBERMESH OVER VAPOR BARRIER ON 6" COMPACTED STRUCTURAL SUBBASE
 4. FOUNDATION ELEMENTS ARE INDICATED AS FOLLOWS:
 - A. F# = FOOTING INDICATOR (SEE FOOTING SCHEDULE)
 - A. P# = PIER INDICATOR (SEE S302)
 5. FOOTING STEPS ARE INDICATED AS FOLLOWS:
$$F\# \frac{(+/- X'-X")}{(+/- X'-X")}$$

ELEVATIONS INDICATE TOP OF FOOTING EACH SIDE OF STEP.
 6. TOP OF EXTERIOR CULM AND WALL FOOTING ELEVATION (-2'-8") TYP. UNO.
 7. TOP OF INTERIOR CULM AND WALL FOOTING ELEVATION (-1'-0") TYP. UNO.
 8. TOP OF PER PIER ELEVATION (-4'-0") TYP. UNO.
 9. STEP FOOTING AS REQUIRED FOR ALL UTILITIES. PROVIDE LOCATIONS AT ALL WALL PENETRATIONS. SEE S302 FOR UTILITY ELEVATION.
 10. UTILITY LINES SHOWN THIS ON PLAN. -----

FOOTING SCHEDULE

INDICATOR	FOOTING SIZE	REINFORCEMENT
F4	4'-0" x 4'-0" x 1'-2"	(4) #5 EACH WAY
F5	5'-0" x 5'-0" x 1'-2"	(5) #6 EACH WAY
F6	6'-0" x 6'-0" x 1'-2"	(6) #6 EACH WAY
F7	7'-0" x 7'-0" x 1'-4"	(8) #7 EACH WAY
F8	8'-0" x 8'-0" x 1'-6"	(12) #6 EACH WAY

a: PROVIDE TOP AND BOTTOM LAYERS OF REINF BARS

NOTE: FOOTING SIZES FOR METAL BUILDING COLUMNS ARE PRELIMINARY & FOR ESTIMATING ONLY. FINAL FOOTING SIZES & REINFORCEMENT WILL BE PROVIDED AFTER METAL BUILDING DESIGNS ARE COMPLETE.



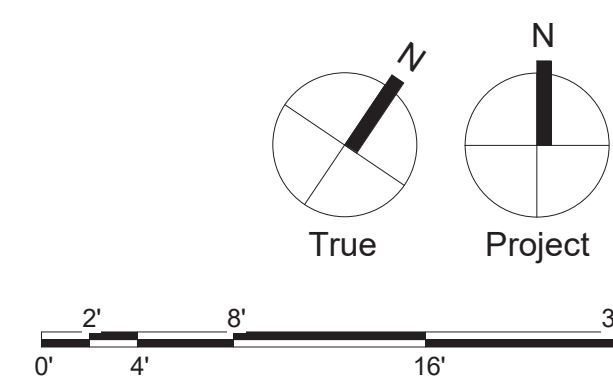
S101 SCALE: 1/8" = 1'-0"



S101	SCALE: 3/4" = 1'-0"
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S101 SCALE: 1 1/2" = 1'-0"



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**WEST WHITELAND PUBLIC
WORKS FACILITY**

New Construction of:

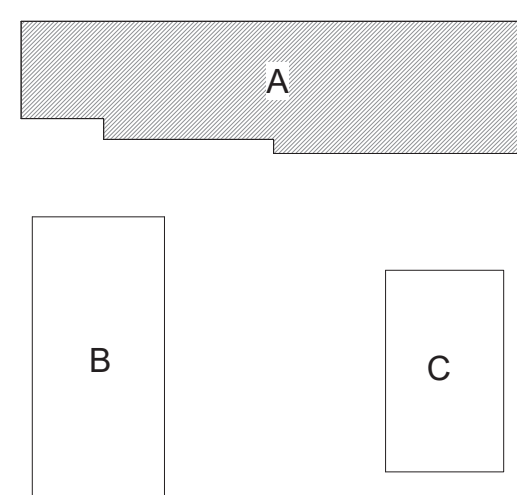
121 VALLEY CREEK
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[illegible]

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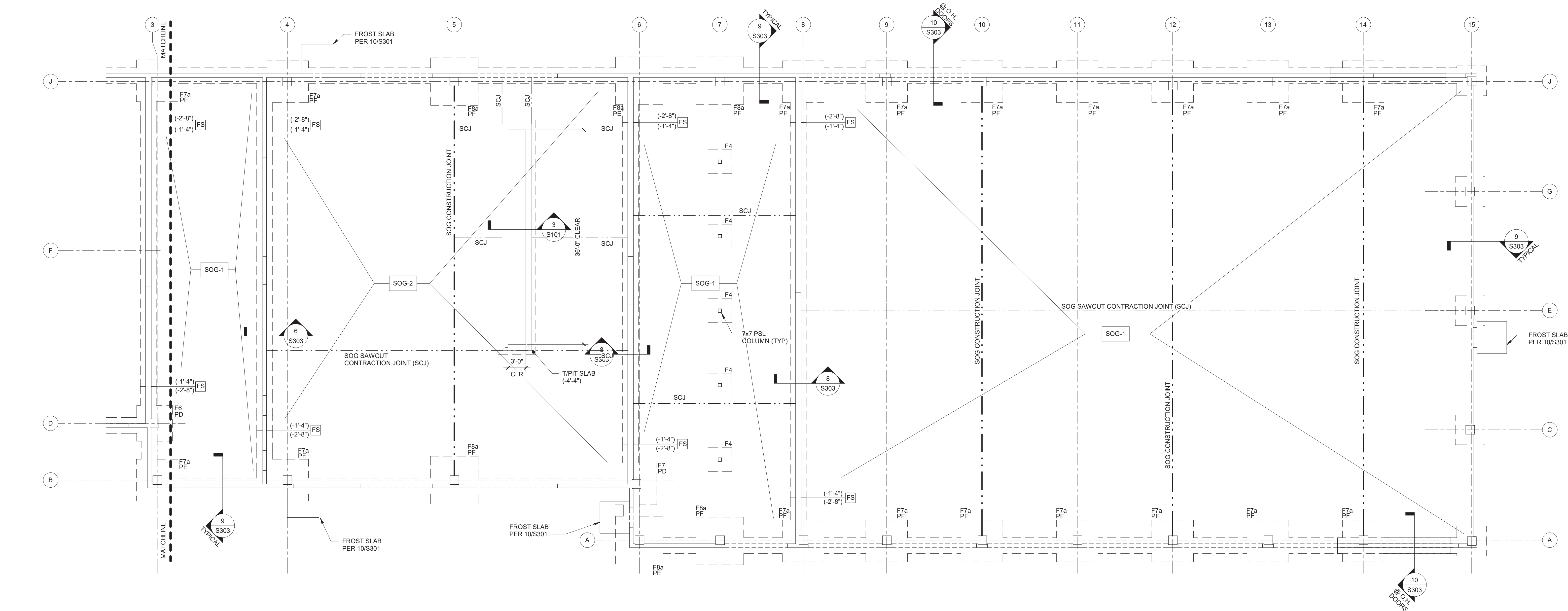
Key Plan:



PARTIAL FOUNDATION
PLAN - BUILDING A
(ALTERNATE 2)

Drawing Number:

S101-ALT2



1 | PARTIAL FOUNDATION PLAN - BUILDING A (ALTERNATE 2)

S101-ALT2 SCALE: 1/8" = 1'-0"

PLAN NOTES:

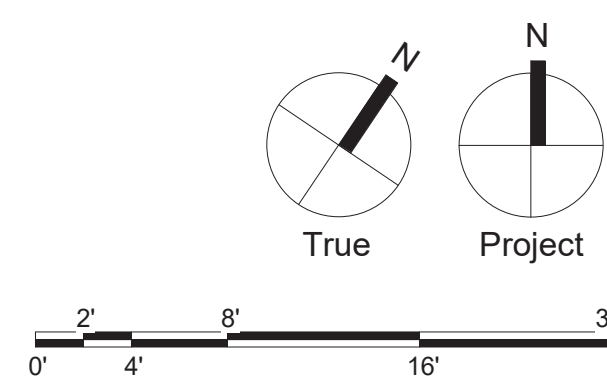
- PLAN NOTES:
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 - SOG-1 6" THICK NORMAL WEIGHT CONCRETE REINFORCED WITH FIBERMESH ON 6" MIN. COMPACTED STRUCTURAL SUBBASE, TYP. UNO
 - SOG-2 6" THICK NORMAL WEIGHT CONCRETE REINFORCED W/ #5 @ 18" O/C ON 6" MIN. COMPACTED STRUCTURAL SUBBASE, TYP
 - SOG-3 5" THICK NORMAL WEIGHT CONCRETE REINFORCED W/ FIBERMESH VAPOR BARRIER ON 6" COMPACTED STRUCTURAL SUBBASE, TYP
 4. FOUNDATION ELEMENTS ARE INDICATED AS FOLLOWS:
 - F# = FOOTING INDICATOR (SEE FOOTING SCHEDULE)
 - P# = PIER INDICATOR (SEE S302)
 5. FOOTING STEPS ARE INDICATED AS FOLLOWS:
 - F#- $\frac{(+/-X'-X")}{(+/-X'-X")}$ ELEVATIONS INDICATE TOP OF FOOTING EACH SIDE OF STEP
 7. TOP OF EXTERIOR CULM WALL FOOTING ELEVATION (-2'-0") TYP. UNO
 8. TOP OF INTERIOR CULM WALL FOOTING ELEVATION (-1'-0") TYP. UNO
 9. TOP OF PIER ELEVATION (-0'-0") TYP. UNO
 6. STEP FOOTING AS REQUIRED FOR ALL UTILITIES PROVIDE SECTIONS AT ALL WALL PENETRATIONS, SEE S302 FOR UTILITY LOCATIONS.
- UTILITY LINES SHOWN THIS ON PLAN. -----

FOOTING SCHEDULE

INDICATOR	FOOTING SIZE	REINFORCEMENT
F4	4'-0" x 4'-0" x 1'-2"	(4) #5 EACH WAY
F5	5'-0" x 5'-0" x 1'-2"	(5) #6 EACH WAY
F6	6'-0" x 6'-0" x 1'-2"	(6) #6 EACH WAY
F7	7'-0" x 7'-0" x 1'-4"	(8) #7 EACH WAY
F8	8'-0" x 8'-0" x 1'-6"	(12) #6 EACH WAY

a: PROVIDE TOP AND BOTTOM LAYERS OF REINF BARS

NOTE: FOOTING SIZES FOR METAL BUILDING COLUMNS ARE PRELIMINARY & FOR ESTIMATE ONLY. FINAL FOOTING SIZES & REINFORCEMENT WILL BE PROVIDED AFTER METAL BUILDING DESIGNS ARE COMPLETE.



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[illegible]

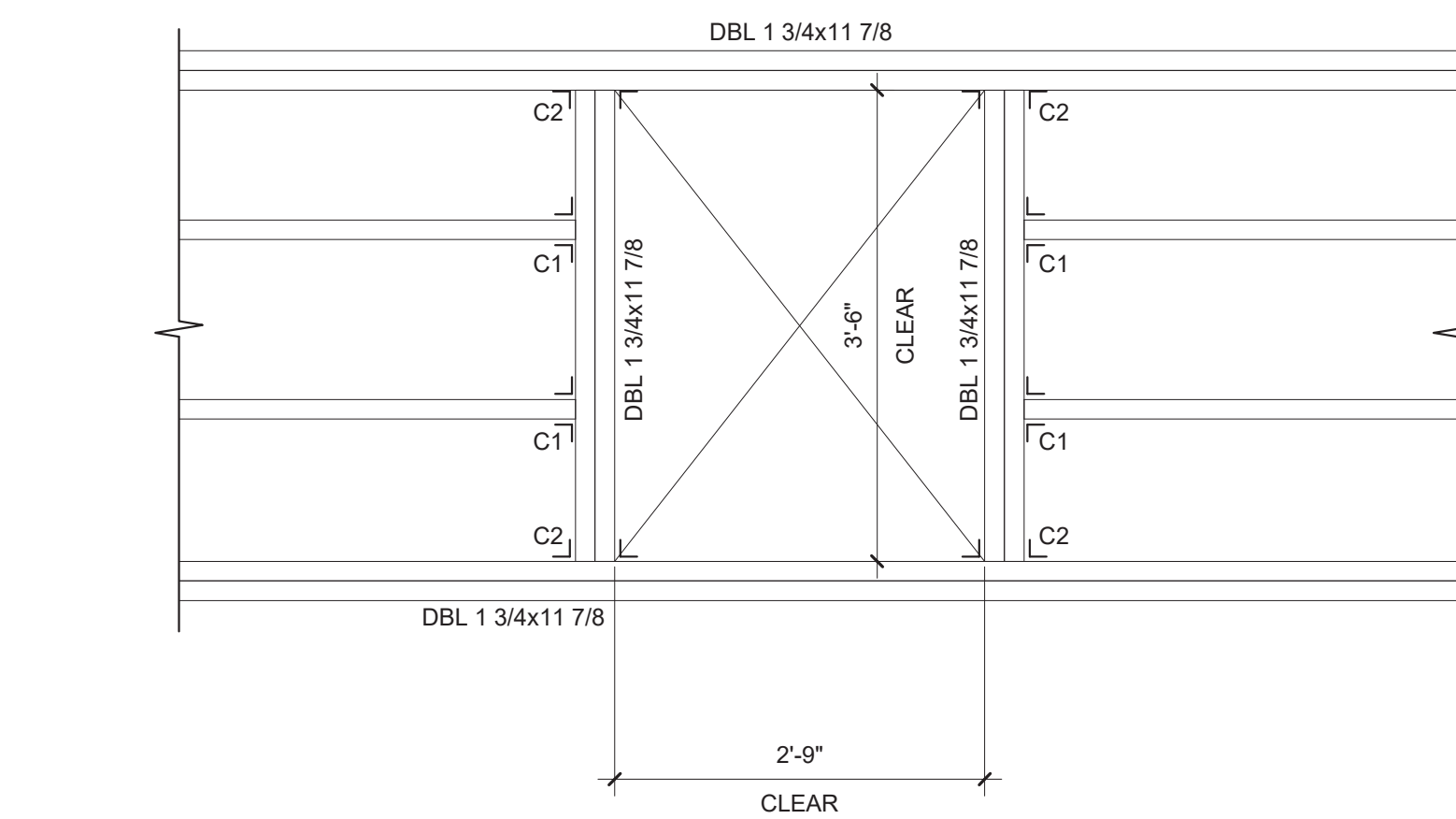
DATE: JULY 5, 2023

SGA PROJECT NUMBER: 21-037

MEZZANINE FLOOR
FRAMING & SECTIONS -
BUILDING A

Drawing Number

S101.1



JOIST HANGER SCHEDULE	
MARK	TYPE
C1	MIU1.81/11
C2	HUS412

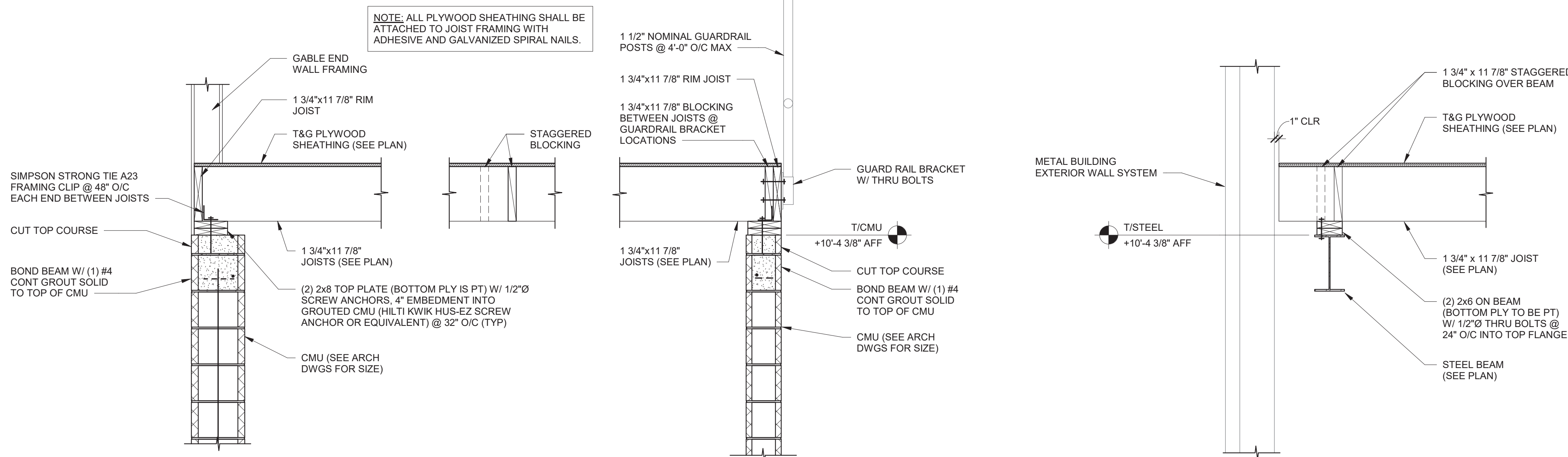
NOTE: HANGER DESIGNATION IS FOR
SIMPSON STRONGTIE

2 | FRAMING DETAIL @ LADDER OPENING

S101.1 SCALE: 3/4" = 1'-0"

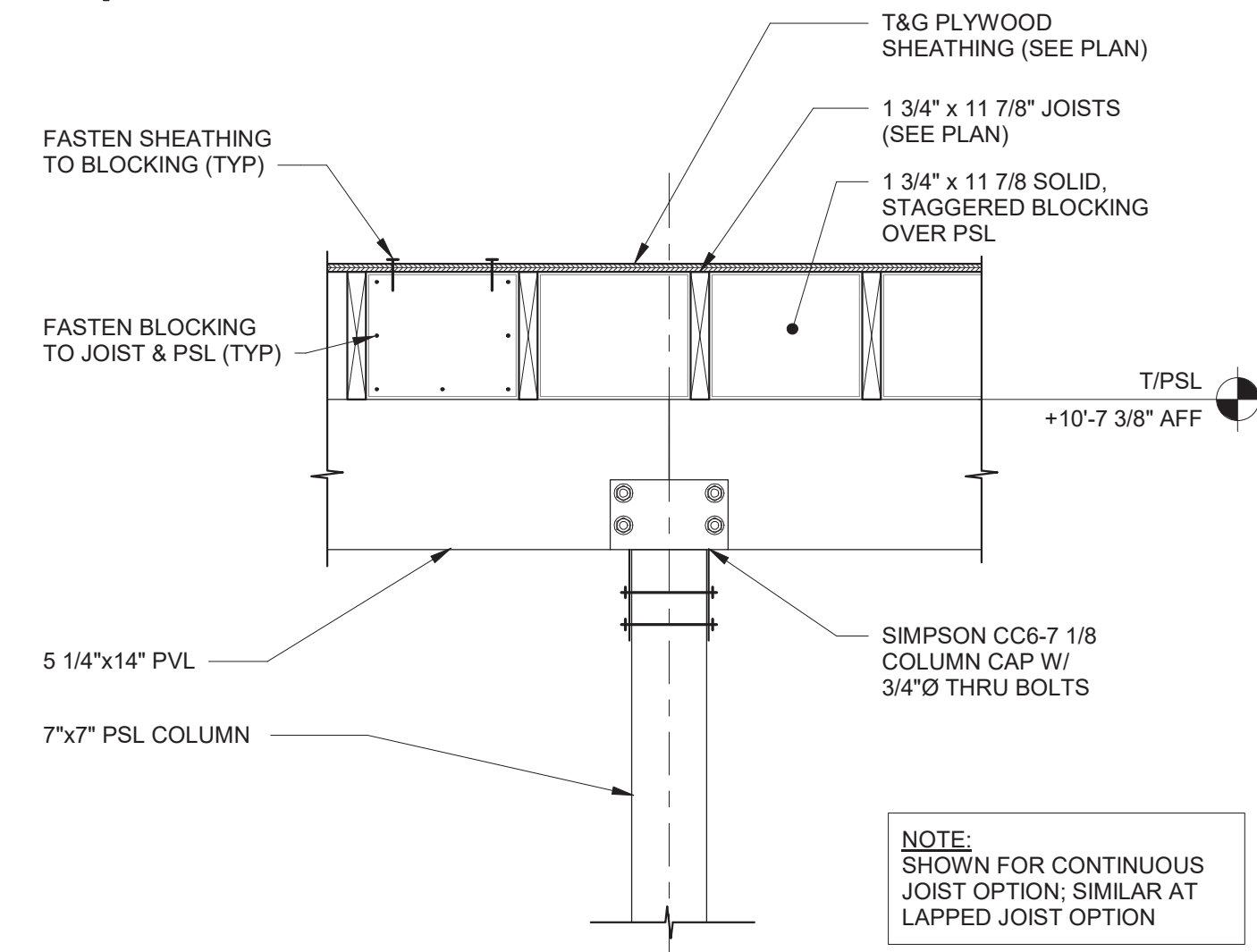
1 | MEZZININE FLOOR FRAMING PLAN

S101.1 SCALE: 1/8" = 1'-0"



3 | SECTION

S101.1 SCALE: 3/4" = 1'-0"



8 | SECTION

S101.1 SCALE: 3/4" = 1'-0"

4 | SECTION

S101.1 SCALE: 3/4" = 1'-0"

5 | SECTION

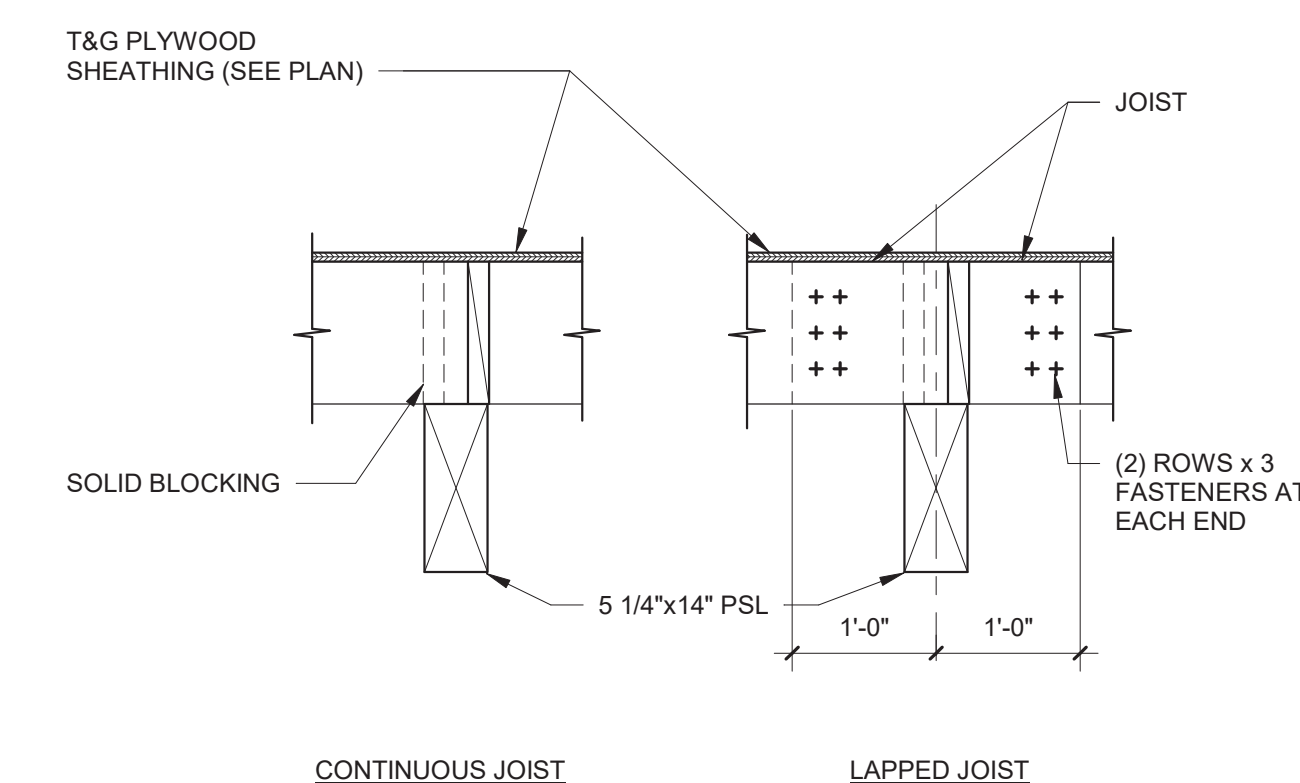
S101.1 SCALE: 3/4" = 1'-0"

6 | SECTION

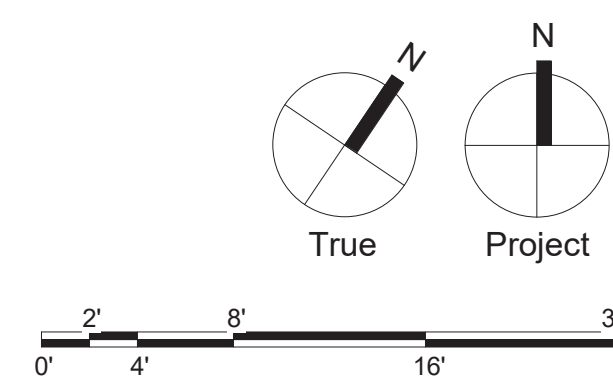
S101.1 SCALE: 3/4" = 1'-0"

7 | SECTION

S101.1 SCALE: 3/4" = 1'-0"



NOTE: CONTRACTOR'S OPTION TO INSTALL JOISTS IN EITHER CONTINUOUS OR LAPPED CONDITION OVER PSL SUPPORT



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[illegible]

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[illegible]

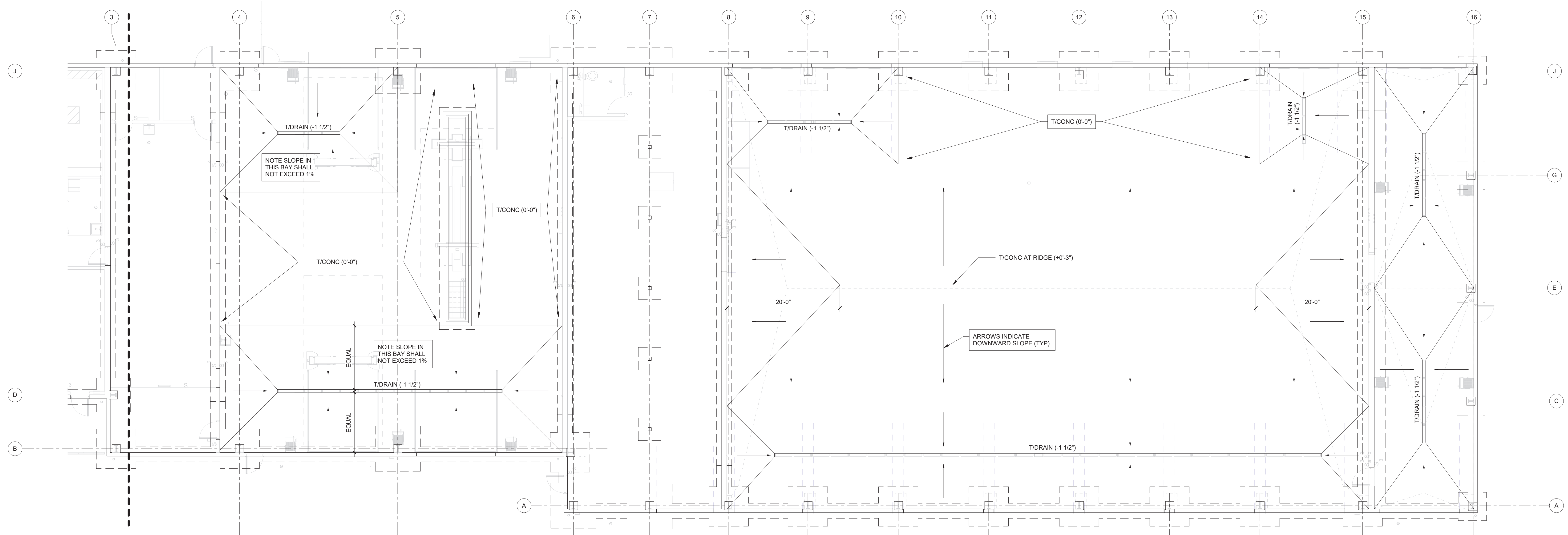
DATE:	JULY 5, 2023
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SGA PROJECT NUMBER:	21-037
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Drawing Title:
FLOOR SLAB TRENCH
DRAIN AND SLOPE
PLAN - BUILDING A

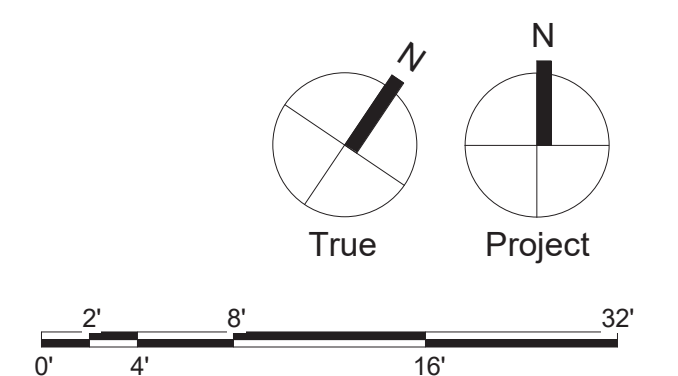
Drawing Number:

S111



1 PARTIAL SLAB TRENCH DRAIN AND SLOPE PLAN - BUILDING A

S111 SCALE: 1/8" = 1'-0"



Civil:

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A circular professional engineer seal for the Commonwealth of Pennsylvania. The outer ring contains the text "COMMONWEALTH OF PENNSYLVANIA". Inside the ring, at the top, is "REGISTERED" and at the bottom is "LICENSE NO. 006789". The center of the seal features the name "THOMAS E. FORSBERG" above the word "ENGINEER". A stylized signature is written across the bottom half of the seal.

West Whiteland Township

Exton, PA 19341

New Construction of:

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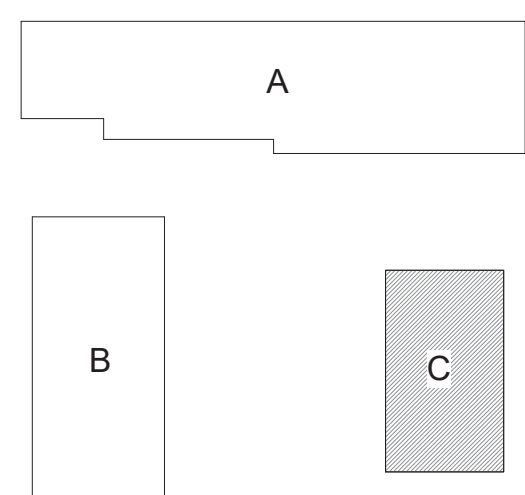
121 VALLEY CREEK
BOULEVARD
EXTON, PA 19341

[illegible]

DATE: JULY 5, 2023

SGA PROJECT NUMBER: 21-037

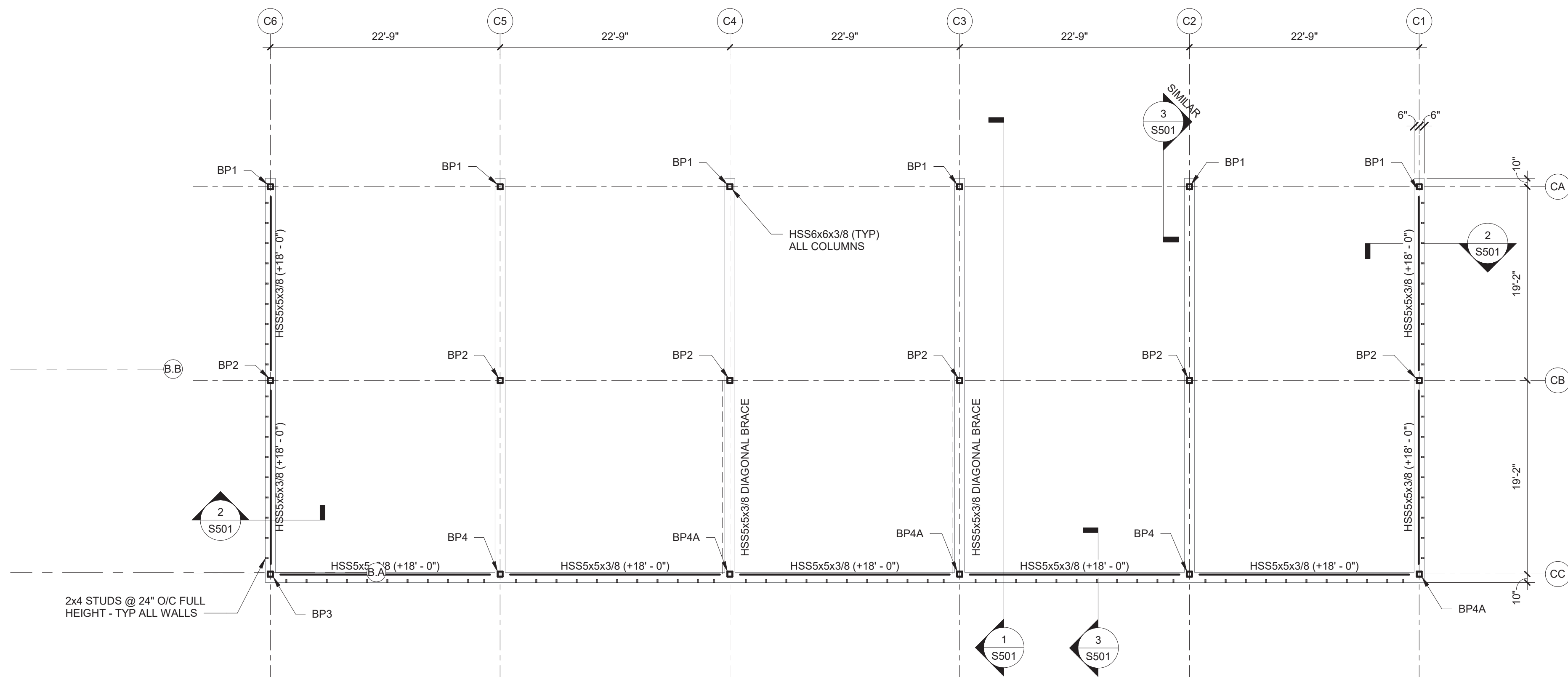
Key Plan:



ROOF FRAMING PLANS
- BUILDING C

Drawing Number:

S142

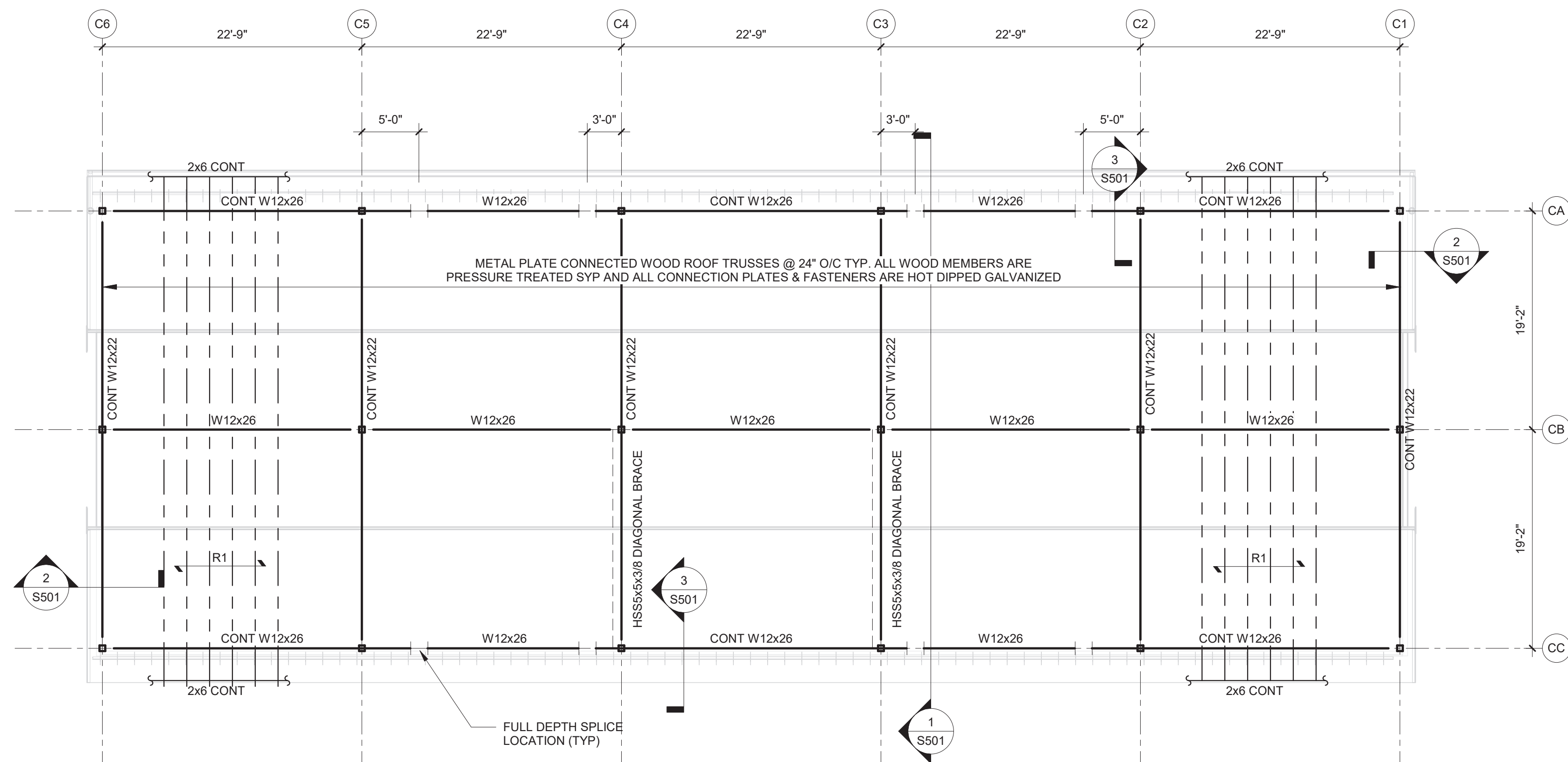


1 | GIRT PLAN

S142 SCALE: 1/8" = 1'-0"

PLAN NOTES:

1. DATUM ELEVATION IS TOP OF ON GRADE CONCRETE SLAB = 0'-0" AT DOOR OPENING. REFERENCE CIVIL DRAWINGS FOR ACTUAL ELEVATION.
2. ELEVATIONS OF FRAMING ELEMENTS INDICATED (+/-X'-X") ARE WITH RESPECT TO THE DATUM ELEVATION.
3. ROOF DECK IS AS FOLLOWS:
 - TYPE R1: 3/4" PRESSURE TREATED PLYWOOD SHEATHING
4. DESIGN ALL SHEAR CONNECTIONS FOR 10K REACTION
5. HOT DIPPED GALVANIZED ALL STRUCTURAL STEEL FRAMING.

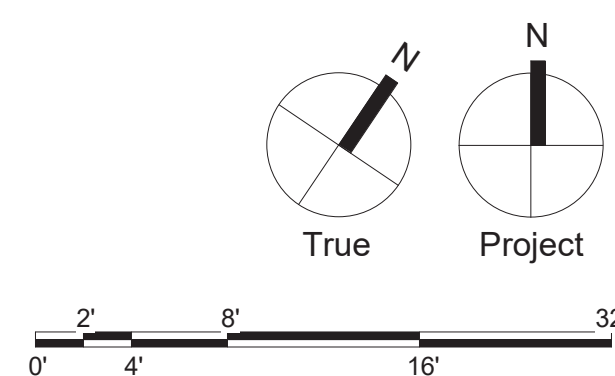


2 | ROOF FRAMING PLAN

S142 SCALE: 1/8" = 1'-0"

PLAN NOTES:

1. DATUM ELEVATION IS TOP OF ON GRADE CONCRETE SLAB = 0'-0" AT DOOR OPENING. REFERENCE CIVIL DRAWINGS FOR ACTUAL ELEVATION.
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4. DESIGN ALL SHEAR CONNECTIONS FOR 10K REACTION
5. HOT DIPPED GALVANIZED ALL STRUCTURAL STEEL FRAMING.





S301 SCALE: 3/4" = 1'-0"



S301 SCALE: 3/4" = 1'-0"



S301 SCALE: 3/4" = 1'-0"



S301 SCALE: 1 1/2" = 1'-0"



S301 SCALE: 3/4" = 1'-0"



S301 SCALE: 3/4" = 1'-0"



S301 SCALE: 3/4" = 1'-0"



S301 SCALE: 3/4" = 1'-0"



THE TYPICAL FOUNDATION AND ON-GRADE SLAB DETAILS SHOWN ON THIS DRAWING SHALL BE APPLIED THROUGHOUT THE PROJECT AT ALL LOCATIONS AS REQUIRED. SECTION INDICATORS FOR TYPICAL DETAILS ARE NOT SHOWN ON PLANS

121 VALLEY CREEK
BOULEVARD
EXTON, PA 19341

SGA PROJECT NUMBER:	21-037
----------------------------	--------

Key Plan:

S301

FOUNDATION DETAILS

Civil:

106 Schubert Drive
Downington, PA 19335
484-880-7342

Synder Hoffman

Bethlehem, PA 18018

610-694-8020

SchraderGroup Architecture

153 East King Street, Suite 211-212

Lancaster, PA 17602

717-299-8965

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
THOMAS E. FORSBERG
154635

West Whiteland Township

101 Commerce Drive

Exton, PA 19341

New Construction of:

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BOULEVARD
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[illegible]

DATE: JULY 5, 2023

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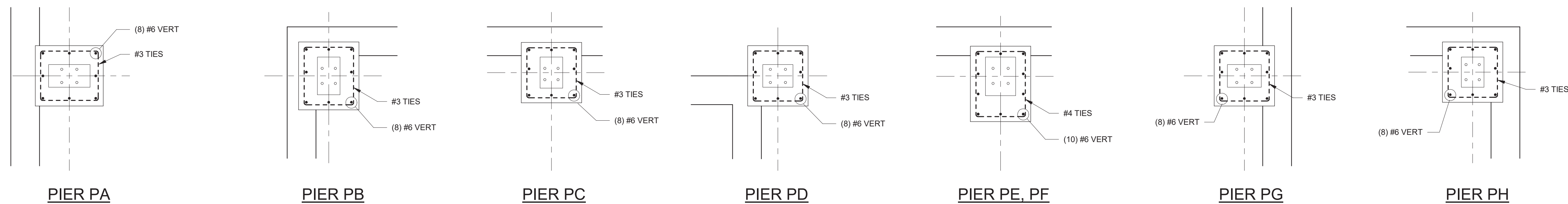
Key Plan:

Drawing Title:

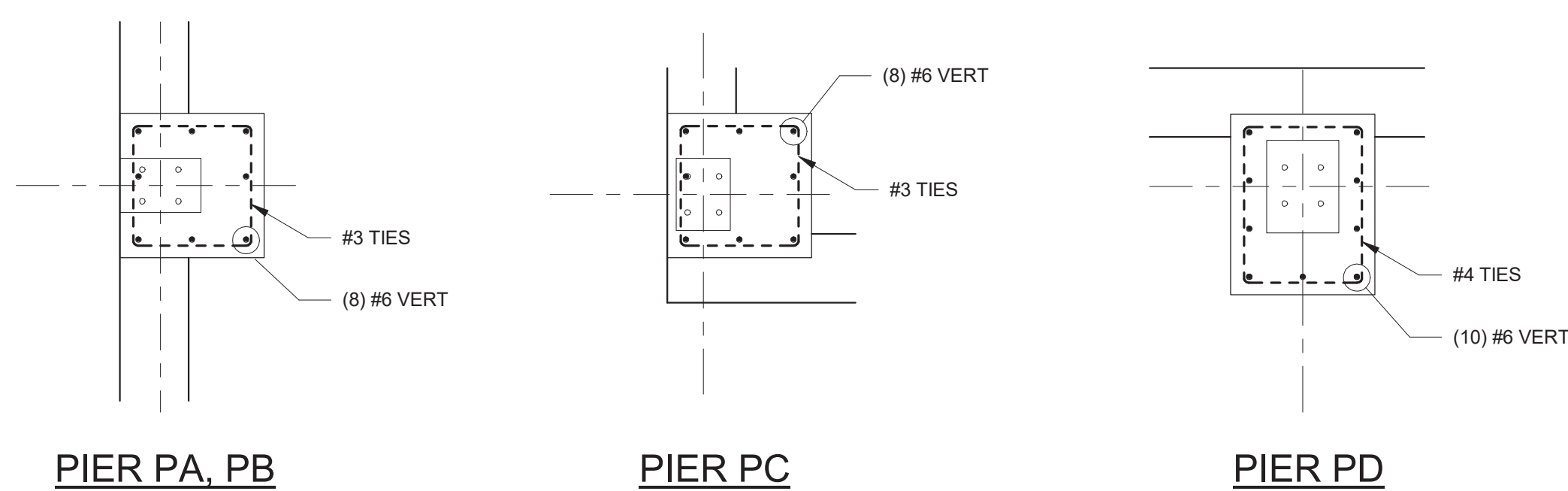
PIER DETAILS

Drawing Number:

S302

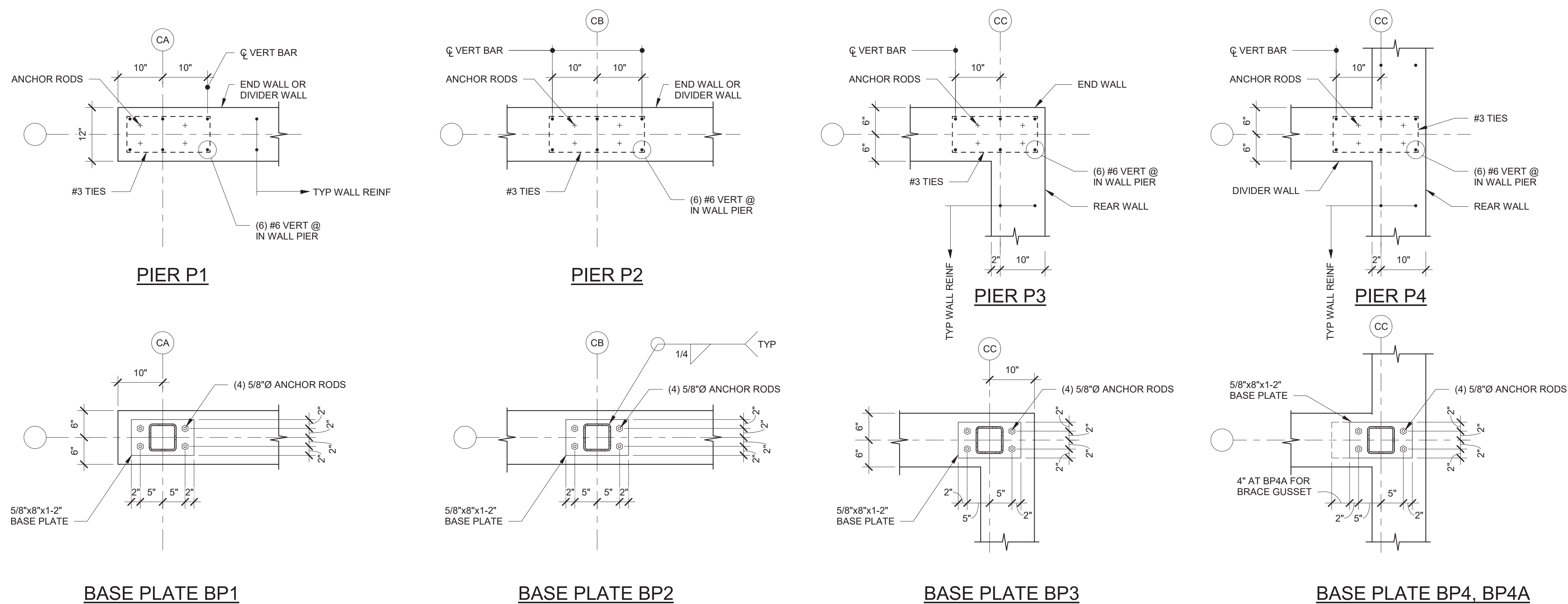


S302 SCALE: 3/4" = 1'-0"



NOTE: PIER INFORMATION FOR BUILDINGS A & B IS PRELIMINARY & FOR ESTIMATING ONLY. FINAL PIER SIZES AND REINFORCING WILL BE PROVIDED AFTER METAL BUILDING DESIGNS ARE FINALIZED

S302 SCALE: 3/4" = 1'-0"



S302 SCALE: 3/4" = 1'-0"

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New Construction of:

WEST WHITELAND PUBLIC
WORKS FACILITY

[illegible]

SGA PROJECT NUMBER: 21-037

[illegible]

S303

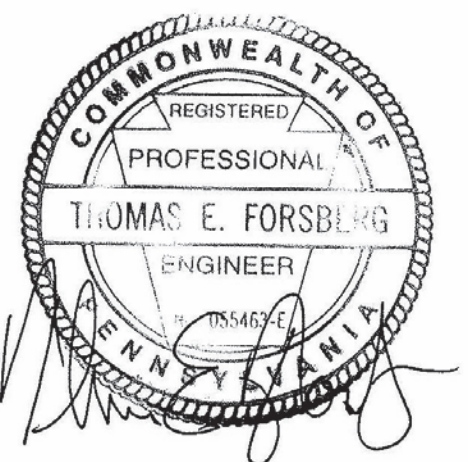


Civil:

MEP

Structural.

Professional Seal:



New Construction of:

WEST WHITELAND PUBLIC
WORKS FACILITY

BOULEVARD
EXTON, PA 19341

NO.	DESCRIPTION	DATE
	100% CONSTRUCTION DOCUMENTS	05/30/2023
	BID DOCUMENTS	07/05/2023

SGA PROJECT NUMBER: 21-037

Key Plan:

Drawing Number:

S501

