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Architectural Alliance Incorporated  
Texas

SCHOOL SECURITY PROJECT  
Brookeland Independent School District

187 Wildcat Walk  
Brookeland, Texas

ISSUED FOR SCHEMATIC   
DATE: 9/20/2018  
DESIGN DEVELOPMENT   
DATE: 10/29/2018  
BIDS & CONSTRUCTION   
DATE: \_\_\_\_\_  
REVISION   
DATE: \_\_\_\_\_  
REVISION   
DATE: \_\_\_\_\_  
REVISION   
DATE: \_\_\_\_\_

DRAWING SHEET TITLE  
**PARTIAL ROOF FRAMING PLAN AREA A**

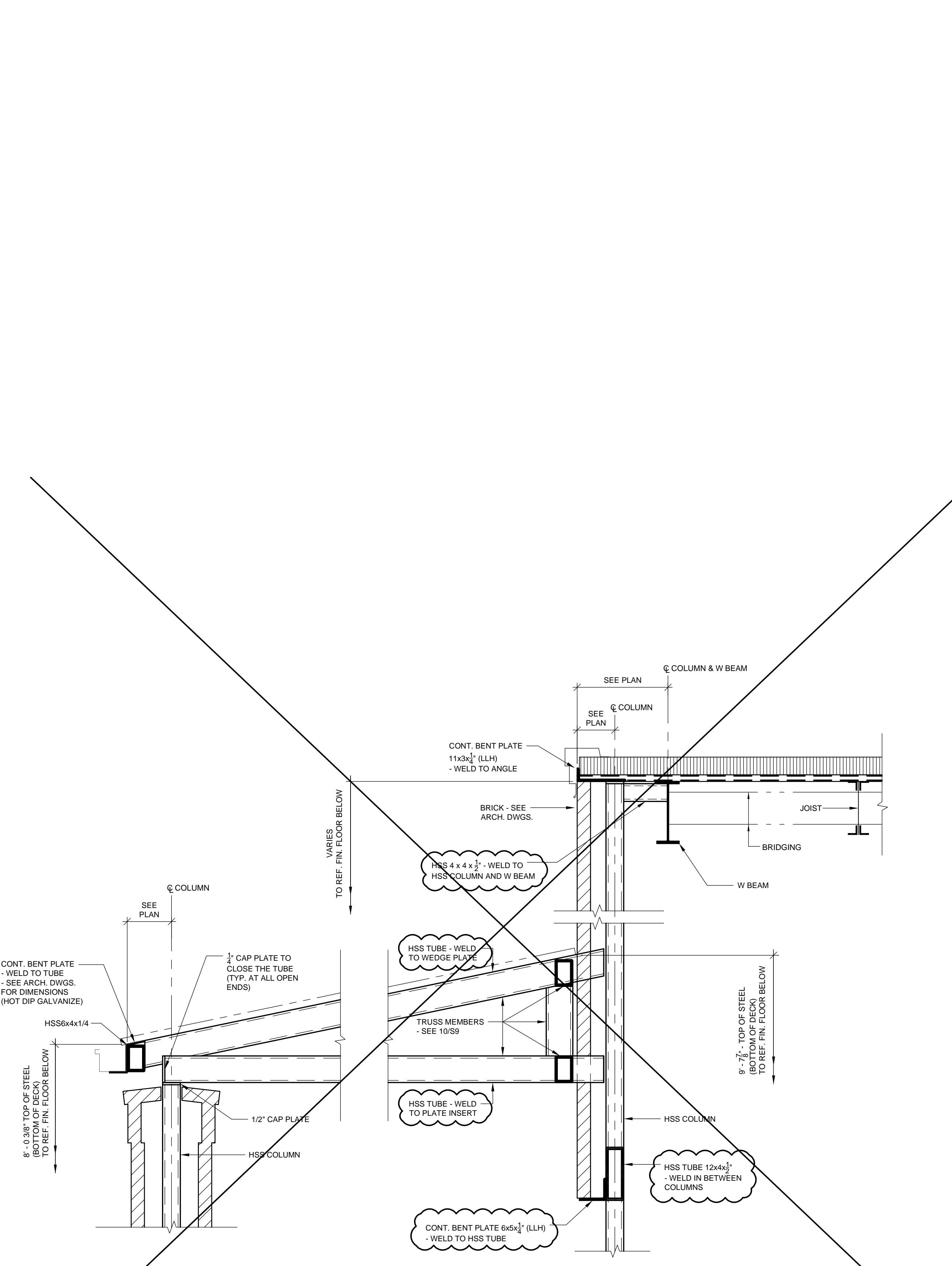
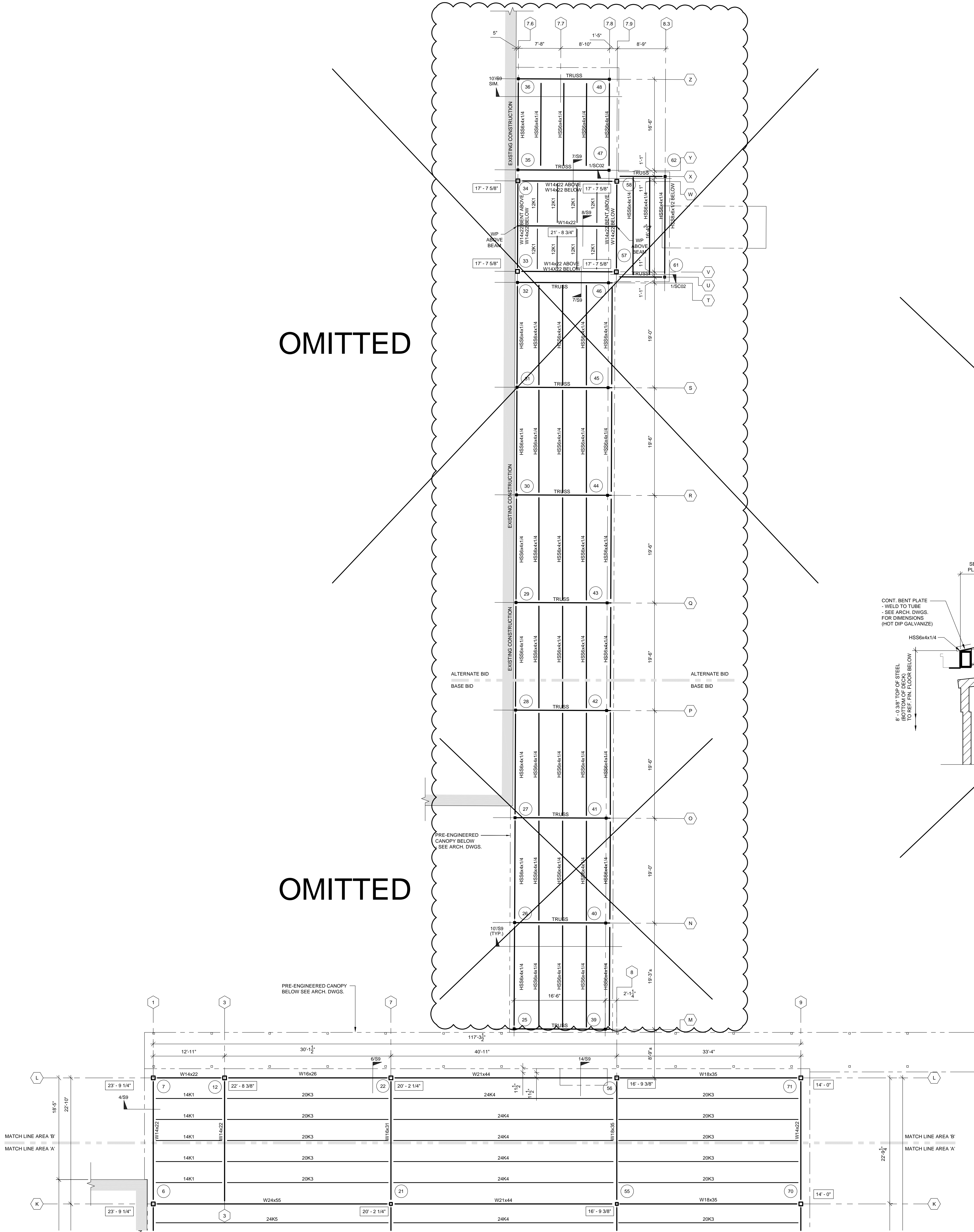
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FILE # 18119\_SE\_FRM57 PROJECT # 18119  
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SHEET NUMBER  
**SC01**  
1854  
PROJECT NO.





**FRAMING DETAIL 1**  
 SCALE: 3/4" = 1'-0"  
**OMITTED**

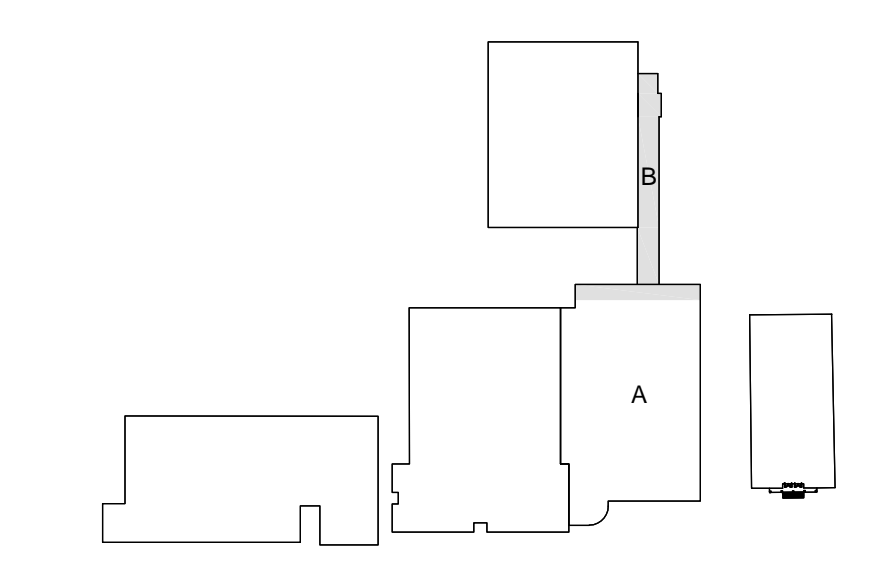
**PARTIAL FRAMING PLAN - AREA 'B'**

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

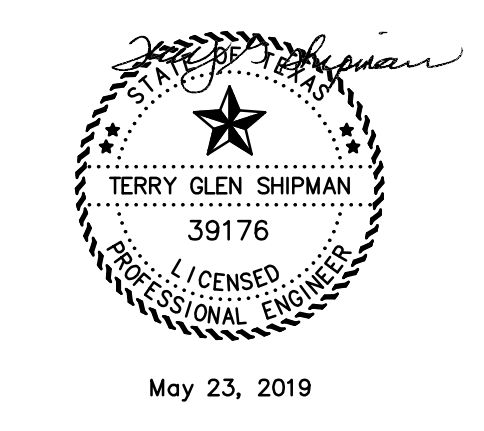
- NOTE:
- ON PLAN INDICATES COLUMN NUMBERS. SEE SHEET S2 FOR COLUMN SCHEDULE.
  - ELEV ON PLAN INDICATES TOP OF STEEL (T.O.S.) BOTTOM OF DECK ELEVATIONS AT COLUMN AND/OR BEAM CENTERLINES. FROM REF. FIN. FLOOR.
  - PROVIDE 1/2" THK. CAP PLATE WHEN BEAM OR JOIST CANTILEVERS OVER COLUMN. 1/4" EVERYWHERE ELSE.
  - JOISTS ARE EQUALLY SPACED BETWEEN BAYS.
  - ROOF DRAINS - SEE ARCHITECTURE DRAWINGS FOR LOCATION AND DETAILS.
  - SEE ARCHITECTURAL DRAWINGS FOR DETAILS AND DIMENSIONS NOT SHOWN.
  - ON PLAN INDICATES FULL PENETRATION WELDS.
  - SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL ITEMS REQUIRED TO BE HOT DIP GALVANIZED.

NOTE: VERIFY ALL DIMENSIONS WITH ARCH. DWGS.

NOTE: SEE ARCH. DWGS. FOR ALL OVERHANGS (TYPICAL).



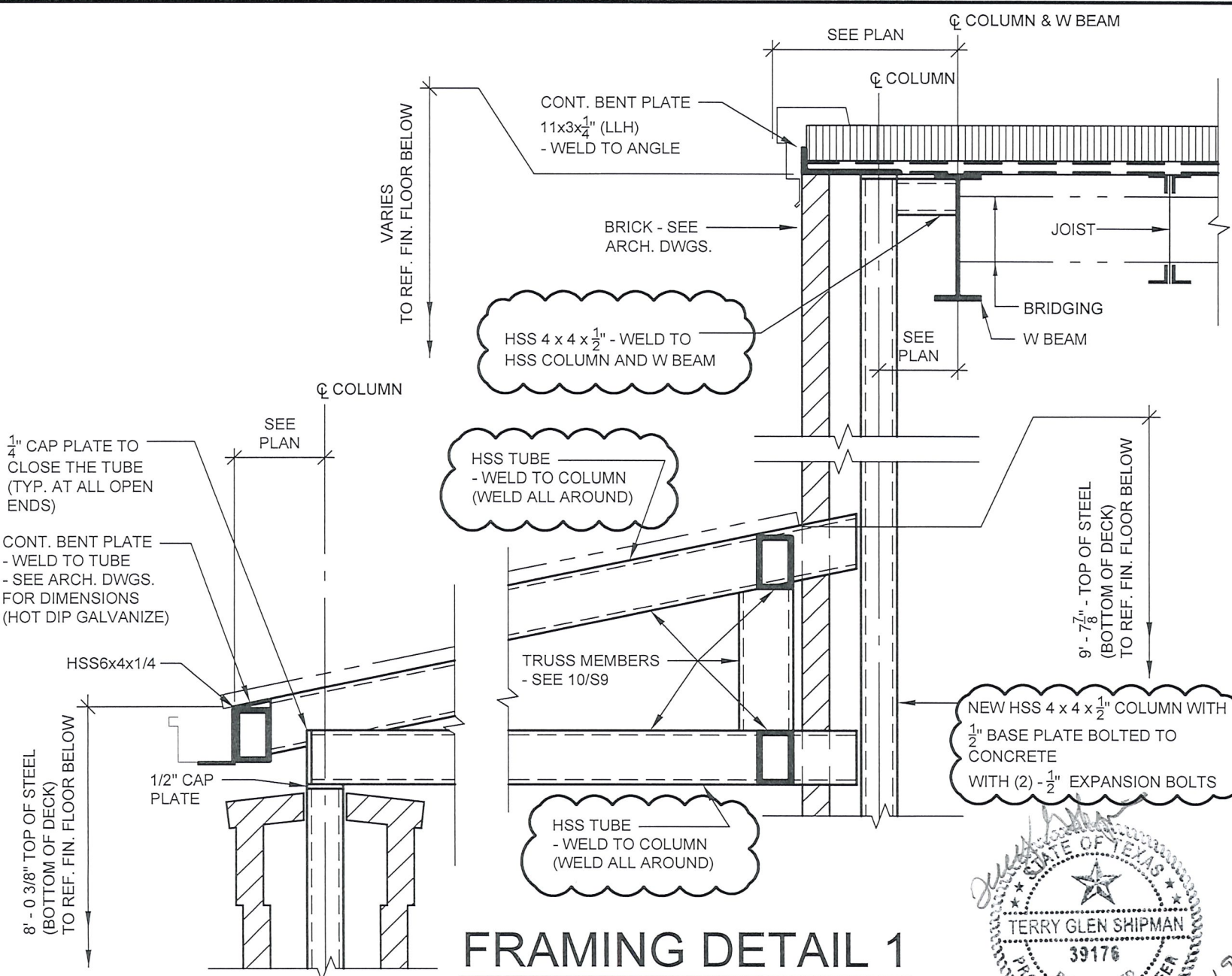
**KEY PLAN**  
 SCALE: N.T.S.



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# FRAMING DETAIL 1

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

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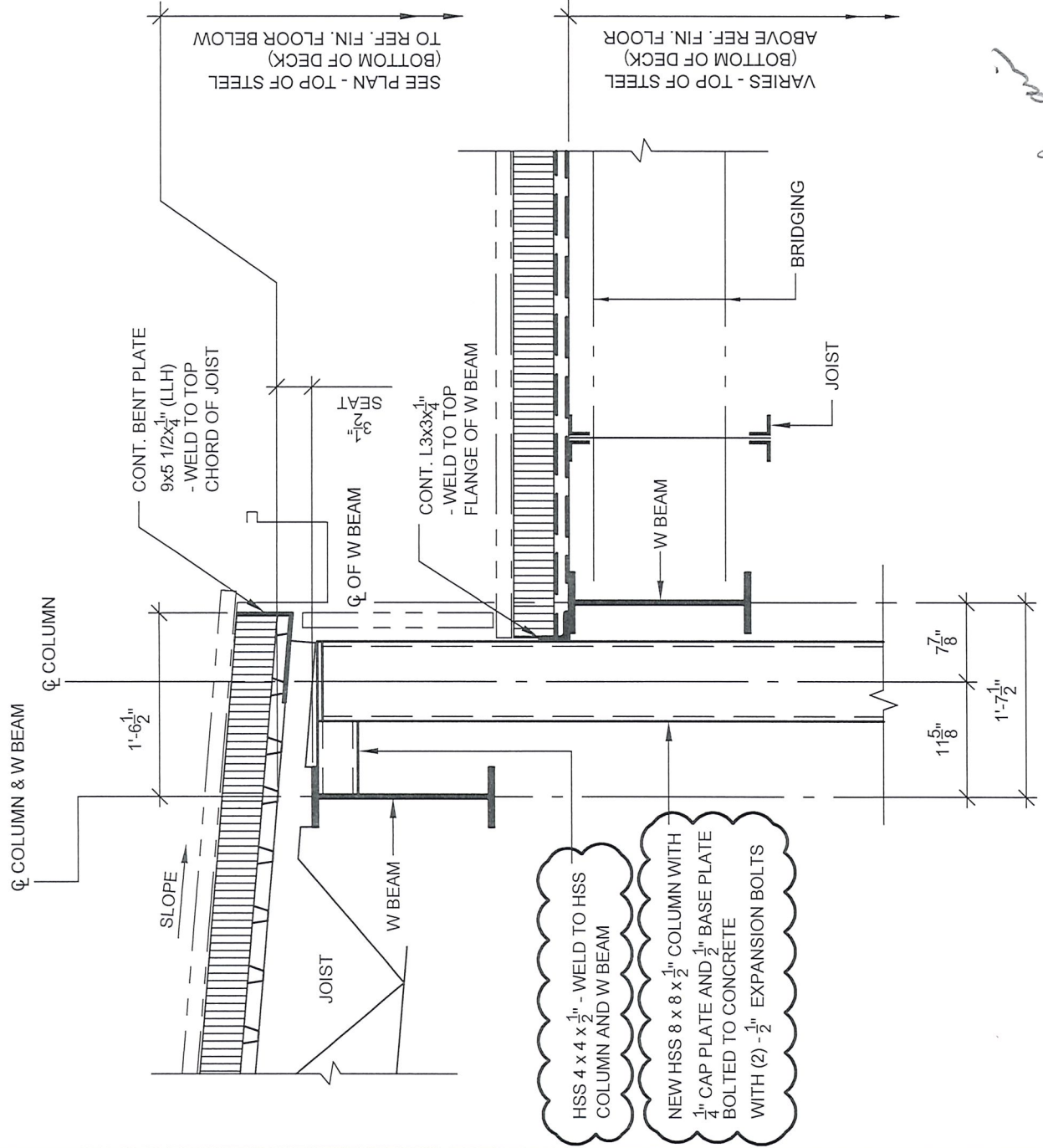


**STRUCTURAL CHANGE**

PROJECT NAME: School Security Project  
 Brookland Independent School District

DATE: May 23, 2019

SHT. NO. **SC03**  
 PROJECT NO. 18119



# FRAMING DETAIL 1

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



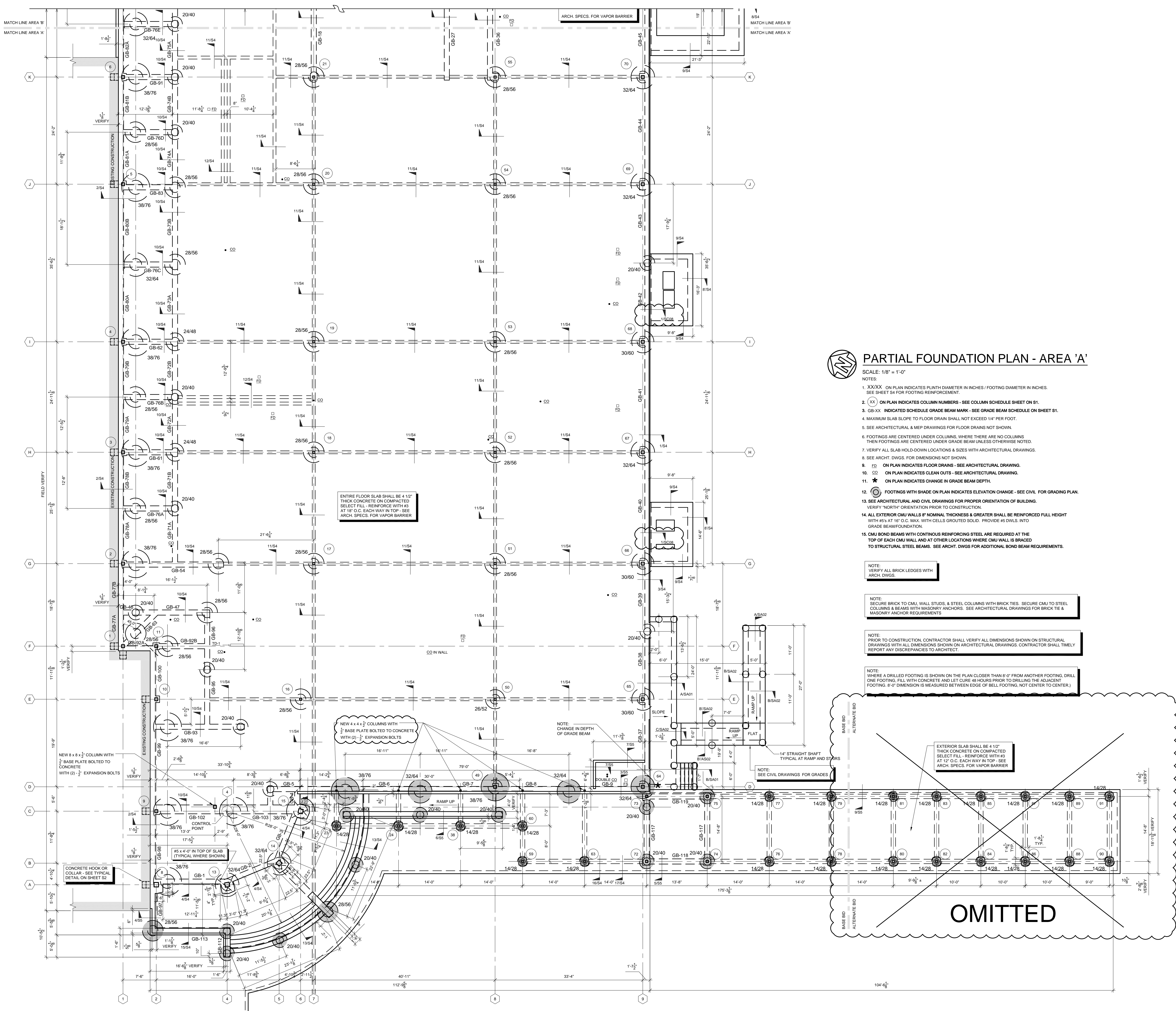
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**STRUCTURAL CHANGE**  
 PROJECT NAME: School Security Project  
 Brookland Independent School district  
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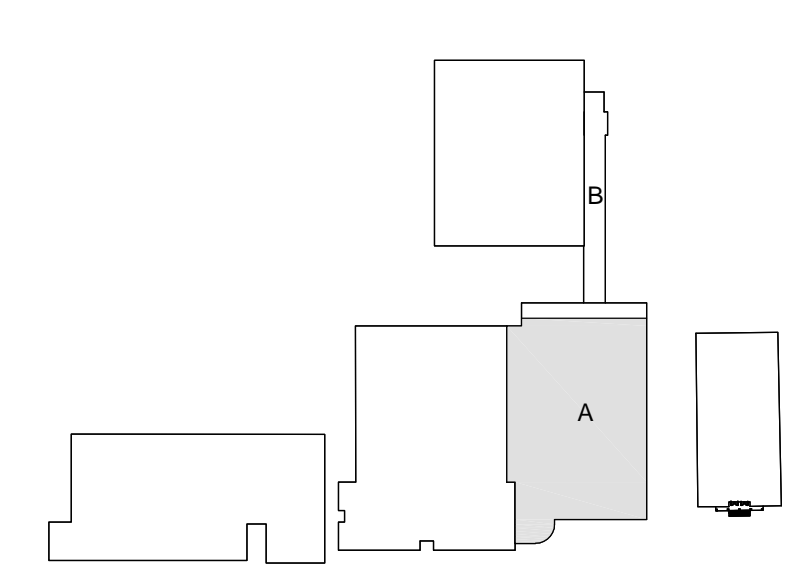
SHT. NO. **SC04**  
 PROJECT NO. 18119





**PARTIAL FOUNDATION PLAN - AREA 'A'**  
 SCALE: 1/8" = 1'-0"

- NOTES:
- XX/XX ON PLAN INDICATES PLINTH DIAMETER IN INCHES / FOOTING DIAMETER IN INCHES. SEE SHEET S4 FOR FOOTING REINFORCEMENT.
  - (XX) ON PLAN INDICATES COLUMN NUMBERS - SEE COLUMN SCHEDULE SHEET ON S1.
  - GB-XX INDICATED SCHEDULE GRADE BEAM MARK - SEE GRADE BEAM SCHEDULE ON SHEET S1.
  - MAXIMUM SLAB SLOPE TO FLOOR DRAIN SHALL NOT EXCEED 1/4" PER FOOT.
  - SEE ARCHITECTURAL & MEP DRAWINGS FOR FLOOR DRAINS NOT SHOWN.
  - FOOTINGS ARE CENTERED UNDER COLUMNS, WHERE THERE ARE NO COLUMNS THEN FOOTINGS ARE CENTERED UNDER GRADE BEAM UNLESS OTHERWISE NOTED.
  - VERIFY ALL SLAB HOLD-DOWN LOCATIONS & SIZES WITH ARCHITECTURAL DRAWINGS.
  - SEE ARCHIT. DWGS. FOR DIMENSIONS NOT SHOWN.
  - FD ON PLAN INDICATES FLOOR DRAINS - SEE ARCHITECTURAL DRAWING.
  - CO ON PLAN INDICATES CLEAN OUTS - SEE ARCHITECTURAL DRAWING.
  - ★ ON PLAN INDICATES CHANGE IN GRADE BEAM DEPTH.
  - FOOTINGS WITH SHADE ON PLAN INDICATES ELEVATION CHANGE - SEE CIVIL FOR GRADING PLAN.
  - SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR PROPER ORIENTATION OF BUILDING.
  - VERIFY "NORTH" ORIENTATION PRIOR TO CONSTRUCTION.
  - ALL EXTERIOR CMU WALLS 8" NOMINAL THICKNESS & GREATER SHALL BE REINFORCED FULL HEIGHT WITH #5'S AT 16" O.C. MAX. WITH CELLS GROUTED SOLID. PROVIDE #6 DWLS INTO GRADE FOUNDATION.
  - CMU BOND BEAMS WITH CONTINUOUS REINFORCING STEEL ARE REQUIRED AT THE TOP OF EACH CMU WALL AND AT OTHER LOCATIONS WHERE CMU WALL IS BRACED TO STRUCTURAL STEEL BEAMS. SEE ARCHIT. DWGS FOR ADDITIONAL BOND BEAM REQUIREMENTS.
- NOTE: VERIFY ALL BRICK LEDGES WITH ARCH. DWGS.
- NOTE: SECURE BRICK TO CMU WALL STUDS, & STEEL COLUMNS WITH BRICK TIES. SECURE CMU TO STEEL COLUMNS & BEAMS WITH MASONRY ANCHORS. SEE ARCHITECTURAL DRAWINGS FOR BRICK TIE & MASONRY ANCHOR REQUIREMENTS.
- NOTE: PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON STRUCTURAL DRAWINGS WITH ALL DIMENSIONS SHOWN ON ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL TIMELY REPORT ANY DISCREPANCIES TO ARCHITECT.
- NOTE: WHERE A DRILLED FOOTING IS SHOWN ON THE PLAN CLOSER THAN 8'-0" FROM ANOTHER FOOTING, DRILL ONE FOOTING, FILL WITH CONCRETE AND LET CURE 48 HOURS PRIOR TO DRILLING THE ADJACENT FOOTING. 8'-0" DIMENSION IS MEASURED BETWEEN EDGE OF BELL FOOTING, NOT CENTER TO CENTER.



**KEY PLAN**  
 SCALE: N.T.S.  
*Jessy D. Shipman*  
 TERRY GLEN SHIPMAN  
 39176  
 LICENSED PROFESSIONAL ENGINEER

FILE # 18119\_SE\_FDN/S2 PROJECT # 18119  
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**SCHOOL SECURITY PROJECT**  
 Brookeland Independent School District  
 Consultant  
 187 Wildcat Walk  
 Brookeland, Texas

ISSUED FOR SCHEMATIC	<input type="checkbox"/>
DATE:	9/20/2018
DESIGN DEVELOPMENT	<input checked="" type="checkbox"/>
DATE:	10/29/2018
BIDS & CONSTRUCTION	<input checked="" type="checkbox"/>
DATE:	12/17/2018
REVISION	<input type="checkbox"/>
DATE:	---
REVISION	<input type="checkbox"/>
DATE:	---
REVISION	<input type="checkbox"/>
DATE:	---
DRAWING SHEET TITLE	<b>PARTIAL FOUNDATION PLAN AREA A</b>
SHEET NUMBER	<b>SC05</b>
PROJECT NO.	1854



OMITTED

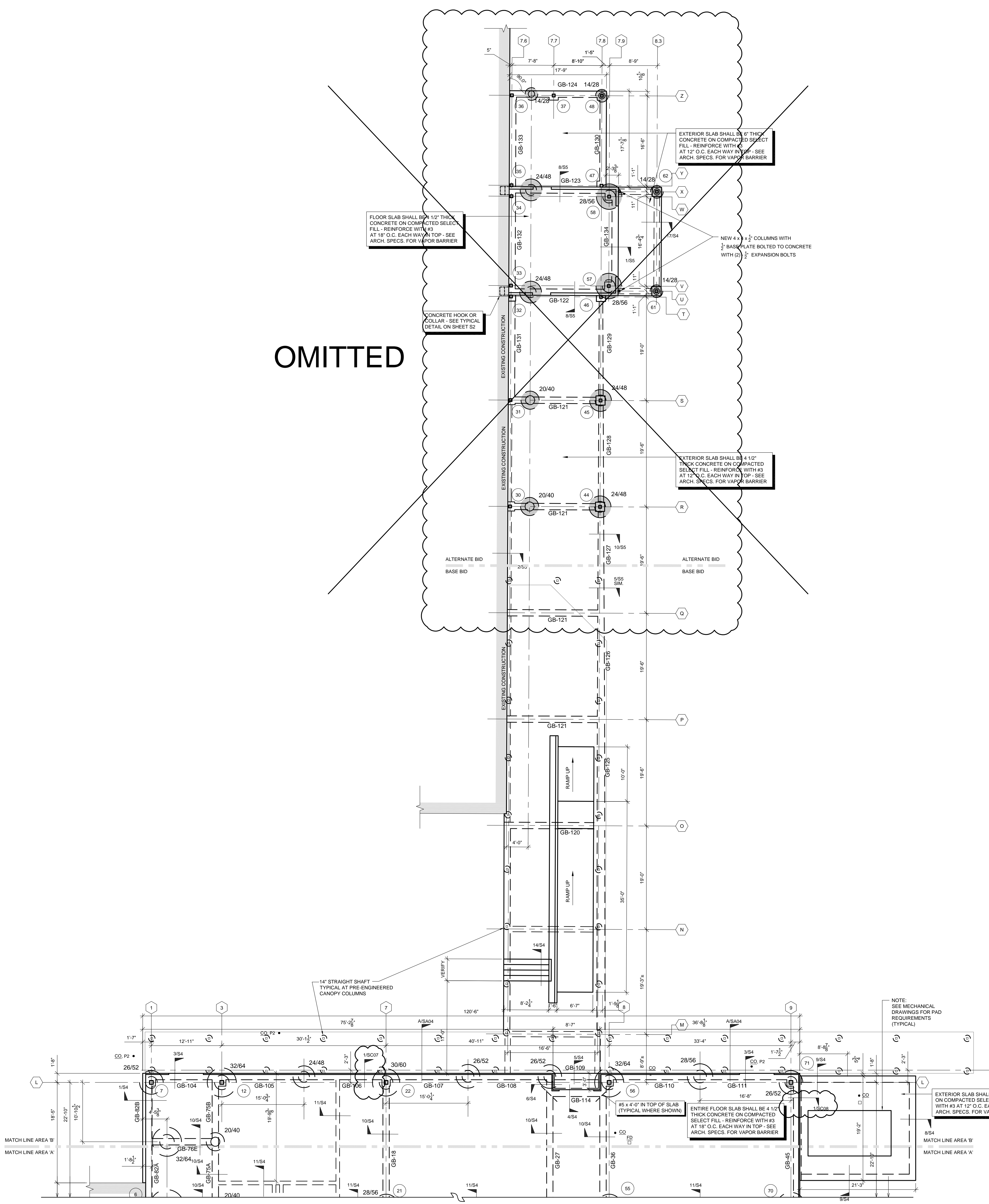
FLOOR SLAB SHALL BE 4" THICK CONCRETE ON COMPACTED SELECT FILL - REINFORCE WITH #3 AT 18" O.C. EACH WAY IN TOP - SEE ARCH. SPECS. FOR VAPOR BARRIER

CONCRETE HOOK OR COLLAR - SEE TYPICAL DETAIL ON SHEET S2

EXTERIOR SLAB SHALL BE 4" THICK CONCRETE ON COMPACTED SELECT FILL - REINFORCE WITH #3 AT 12" O.C. EACH WAY IN TOP - SEE ARCH. SPECS. FOR VAPOR BARRIER

NEW 4" x 4" x 1/2" COLUMNS WITH 1/2" BASE PLATE BOLTED TO CONCRETE WITH (2) 1/2" EXPANSION BOLTS

EXTERIOR SLAB SHALL BE 4" THICK CONCRETE ON COMPACTED SELECT FILL - REINFORCE WITH #3 AT 12" O.C. EACH WAY IN TOP - SEE ARCH. SPECS. FOR VAPOR BARRIER



**PARTIAL FOUNDATION PLAN - AREA 'B'**

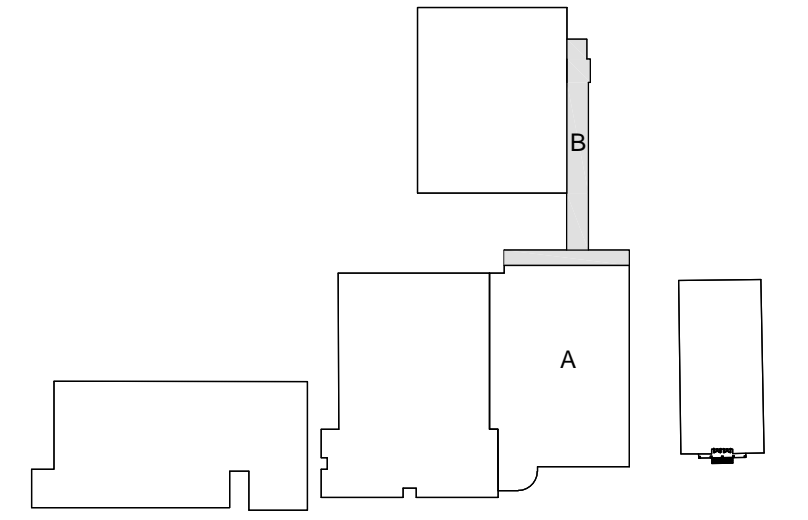
- SCALE: 1/8" = 1'-0"
- NOTES:
1. XX/XX ON PLAN INDICATES PLINTH DIAMETER IN INCHES / FOOTING DIAMETER IN INCHES. SEE SHEET S4 FOR FOOTING REINFORCEMENT.
  2. (XX) ON PLAN INDICATES COLUMN NUMBERS - SEE COLUMN SCHEDULE SHEET ON S1.
  3. GB-XX INDICATED SCHEDULE GRADE BEAM MARK - SEE GRADE BEAM SCHEDULE ON SHEET S1.
  4. MAXIMUM SLAB SLOPE TO FLOOR DRAIN SHALL NOT EXCEED 1/4" PER FOOT.
  5. SEE ARCHITECTURAL & MEP DRAWINGS FOR FLOOR DRAINS NOT SHOWN.
  6. FOOTINGS ARE CENTERED UNDER COLUMNS, WHERE THERE ARE NO COLUMNS THEN FOOTINGS ARE CENTERED UNDER GRADE BEAM UNLESS OTHERWISE NOTED.
  7. VERIFY ALL SLAB HOLD-DOWN LOCATIONS & SIZES WITH ARCHITECTURAL DRAWINGS.
  8. SEE ARCHT. DWGS. FOR DIMENSIONS NOT SHOWN.
  9. (FD) ON PLAN INDICATES FLOOR DRAINS - SEE ARCHITECTURAL DRAWING.
  10. (CO) ON PLAN INDICATES CLEAN OUTS - SEE ARCHITECTURAL DRAWING.
  11. (C) ON PLAN INDICATES CHANGE IN GRADE BEAM DEPTH.
  12. (E) FOOTINGS WITH SHADE ON PLAN INDICATES ELEVATION CHANGE - SEE CIVIL FOR GRADING PLAN.
  13. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR PROPER ORIENTATION OF BUILDING. VERIFY "NORTH" ORIENTATION PRIOR TO CONSTRUCTION.
  14. ALL EXTERIOR CMU WALLS 8" NOMINAL THICKNESS & GREATER SHALL BE REINFORCED FULL HEIGHT WITH #5 AT 18" O.C. MAX. WITH CELLS GROUTED SOLID. PROVIDE #6 DWLS. INTO GRADE BEAM FOUNDATION.
  15. CMU BOND BEAMS WITH CONTINUOUS REINFORCING STEEL ARE REQUIRED AT THE TOP OF EACH CMU WALL AND AT OTHER LOCATIONS WHERE CMU WALL IS BRACED TO STRUCTURAL STEEL BEAMS. SEE ARCHT. DWGS FOR ADDITIONAL BOND BEAM REQUIREMENTS.

NOTE: VERIFY ALL BRICK LEDGES WITH ARCH. DWGS.

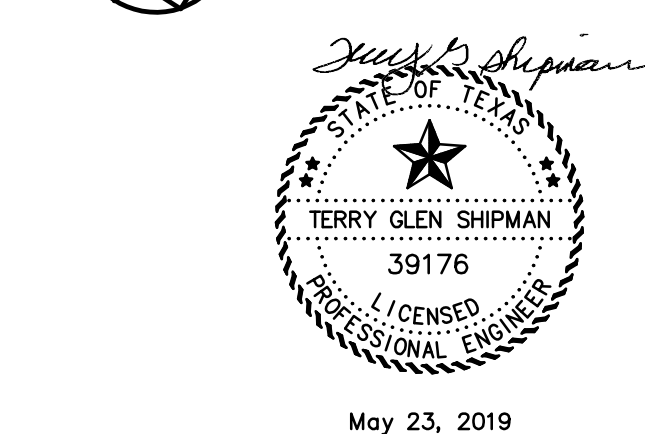
NOTE: SECURE BRICK TO CMU WALL STUDS, & STEEL COLUMNS WITH BRICK TIES. SECURE CMU TO STEEL COLUMNS & BEAMS WITH MASONRY ANCHORS. SEE ARCHITECTURAL DRAWINGS FOR BRICK TIE & MASONRY ANCHOR REQUIREMENTS

NOTE: PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON STRUCTURAL DRAWINGS WITH ALL DIMENSIONS SHOWN ON ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL TIMELY REPORT ANY DISCREPANCIES TO ARCHITECT.

NOTE: WHERE A DRILLED FOOTING IS SHOWN ON THE PLAN CLOSER THAN 8'-0" FROM ANOTHER FOOTING, DRILL ONE FOOTING. FILL WITH CONCRETE AND LET CURE 48 HOURS PRIOR TO DRILLING THE ADJACENT FOOTING. 8'-0" DIMENSION IS MEASURED BETWEEN EDGE OF BELL FOOTING, NOT CENTER TO CENTER.



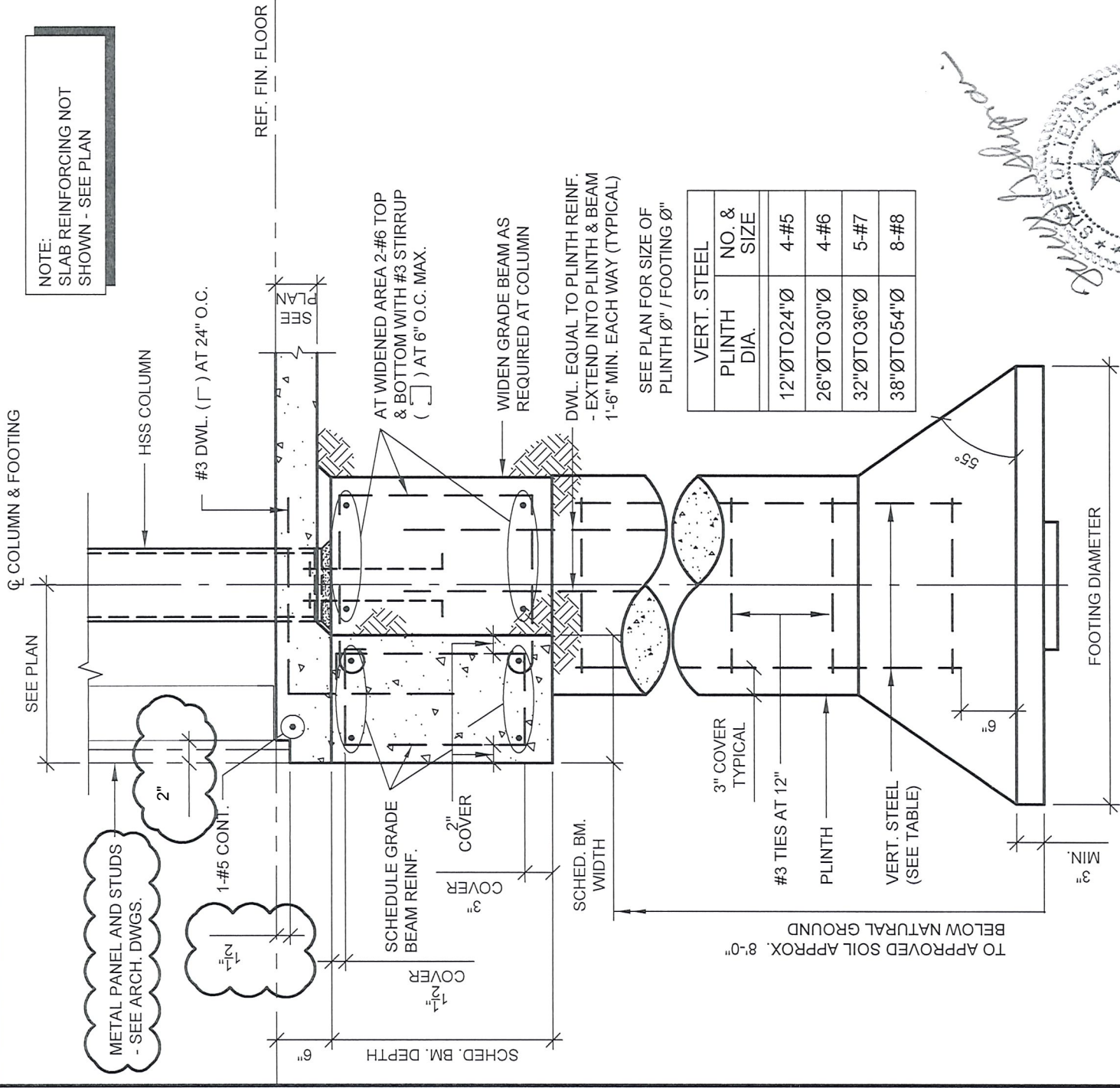
**KEY PLAN**  
 SCALE: N.T.S.



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NOTE:  
SLAB REINFORCING NOT  
SHOWN - SEE PLAN

SEE PLAN

METAL PANEL AND STUDS  
- SEE ARCH. DWGS.

1-#5 CONT.

2"

SCHEDULE GRADE  
BEAM REINF.

COVER

2" COVER

SCHED. BM.  
WIDTH

TO APPROVED SOIL APPROX. 8'-0"  
BELOW NATURAL GROUND

3" COVER  
TYPICAL

#3 TIES AT 12"

PLINTH

VERT. STEEL  
(SEE TABLE)

FOOTING DIAMETER

55°

55° ANGLE MAY BE OBTAINED USING A  
LESSER ANGLE TOOL WITH STOPS

# FOUNDATION DETAIL 1

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

VERT. STEEL PLINTH DIA.	NO. & SIZE
12"Ø TO 24"Ø	4-#5
26"Ø TO 30"Ø	4-#6
32"Ø TO 36"Ø	5-#7
38"Ø TO 54"Ø	8-#8

SEE PLAN FOR SIZE OF  
PLINTH Ø" / FOOTING Ø"

DWL. EQUAL TO PLINTH REINF.  
- EXTEND INTO PLINTH & BEAM  
1'-6" MIN. EACH WAY (TYPICAL)

WIDEN GRADE BEAM AS  
REQUIRED AT COLUMN

AT WIDENED AREA 2-#6 TOP  
& BOTTOM WITH #3 STIRRUP  
( ) AT 6" O.C. MAX.

REF. FIN. FLOOR



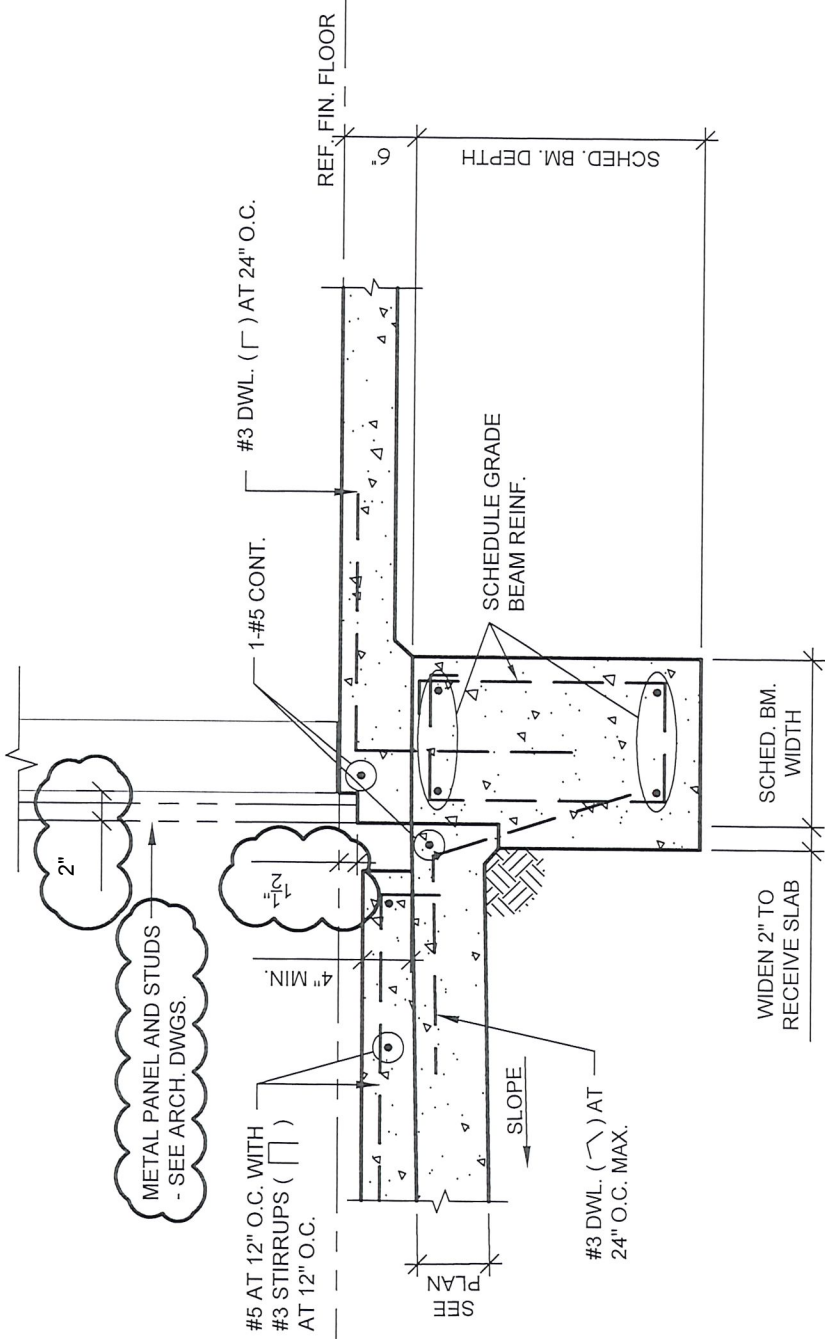
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 Brookland Independent School district  
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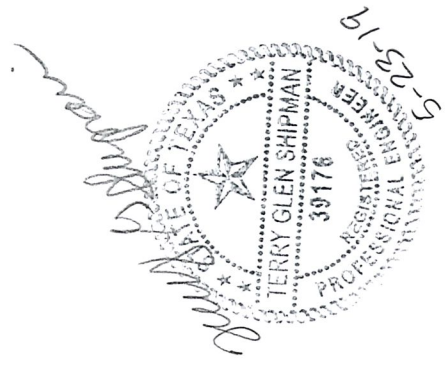
SHT. NO. **SC07**  
 PROJECT NO. 18119





# FOUNDATION DETAIL 1

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



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**STRUCTURAL CHANGE**

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Brookland Independent School district

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SHT. NO.

**SC08**

PROJECT NO.

18119