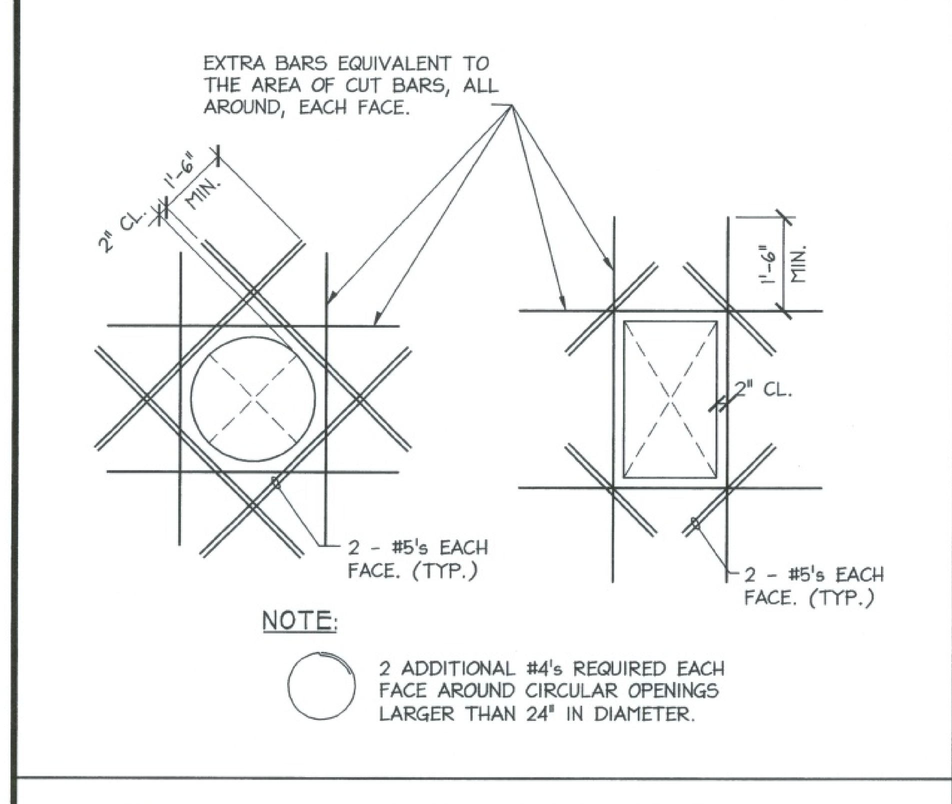
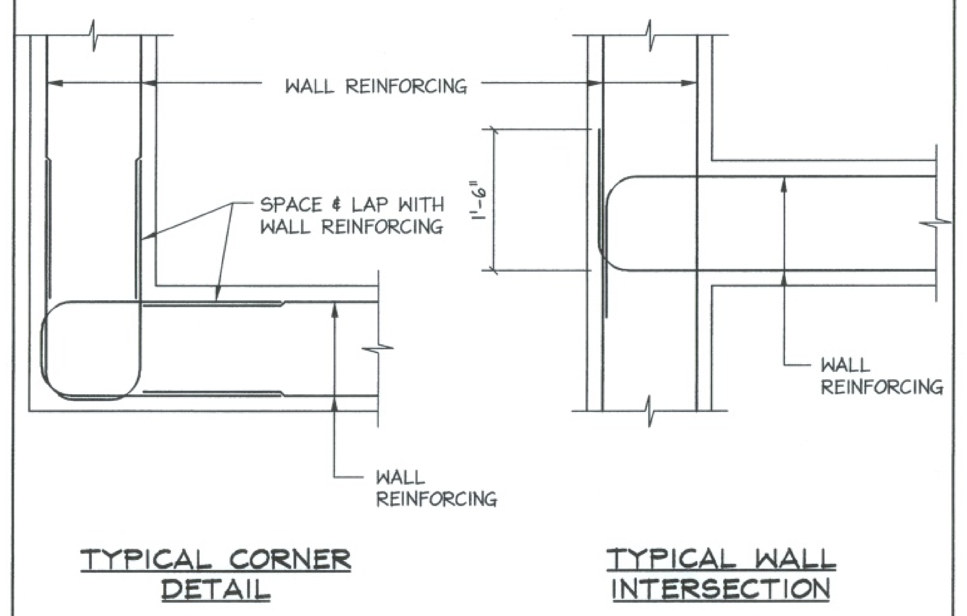


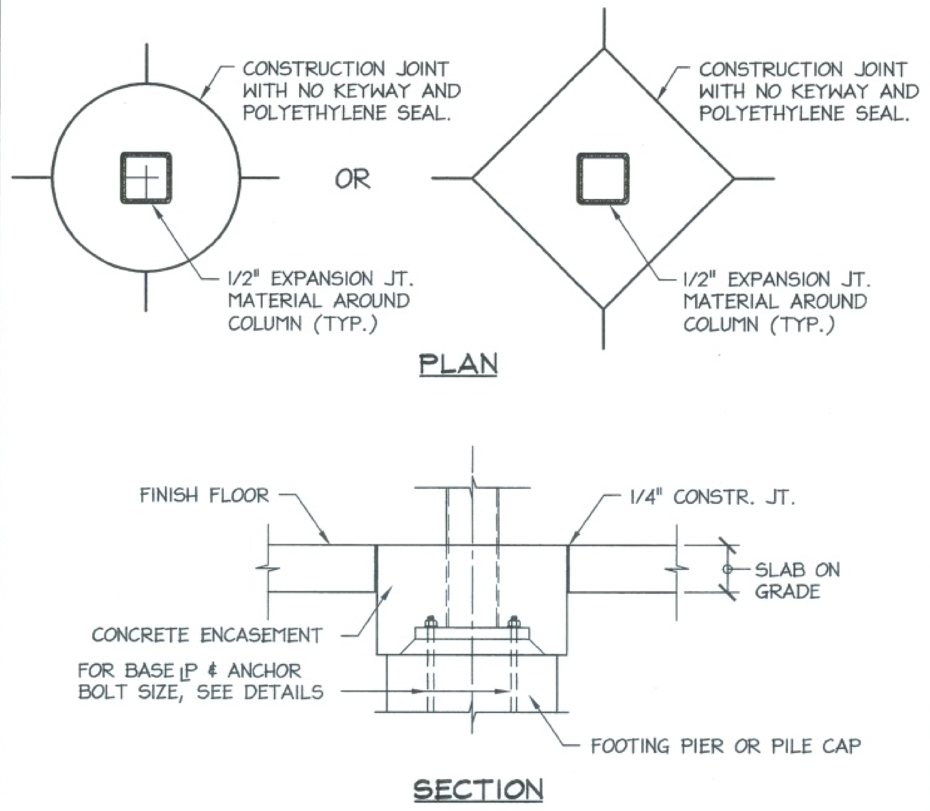
TYPICAL OPENING REINFORCEMENT DETAILS

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



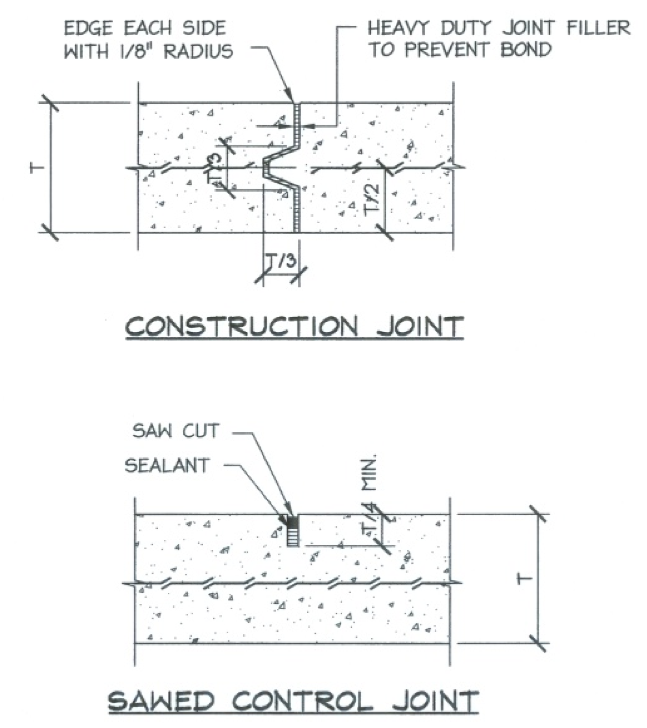
TYPICAL FOUNDATION WALL REINFORCING DETAILS

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



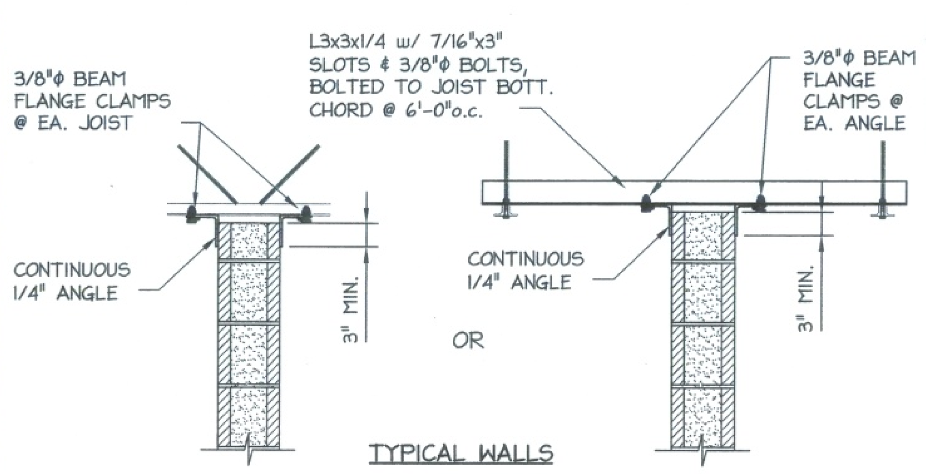
TYPICAL COLUMN BLOCKOUT DETAILS

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



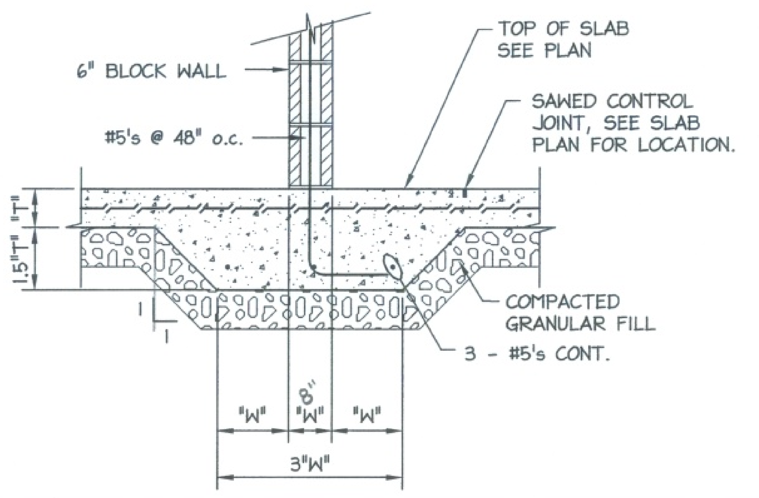
TYPICAL SLAB JOINT DETAILS

SCALE: 1"=1'-0" slb-jts



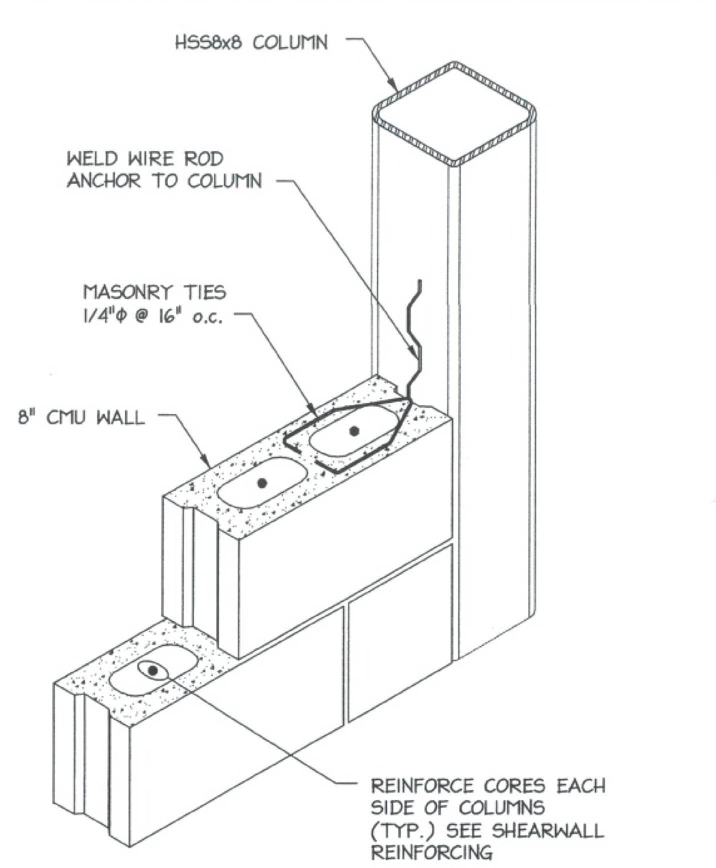
TOP CMU WALL SUPPORT

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



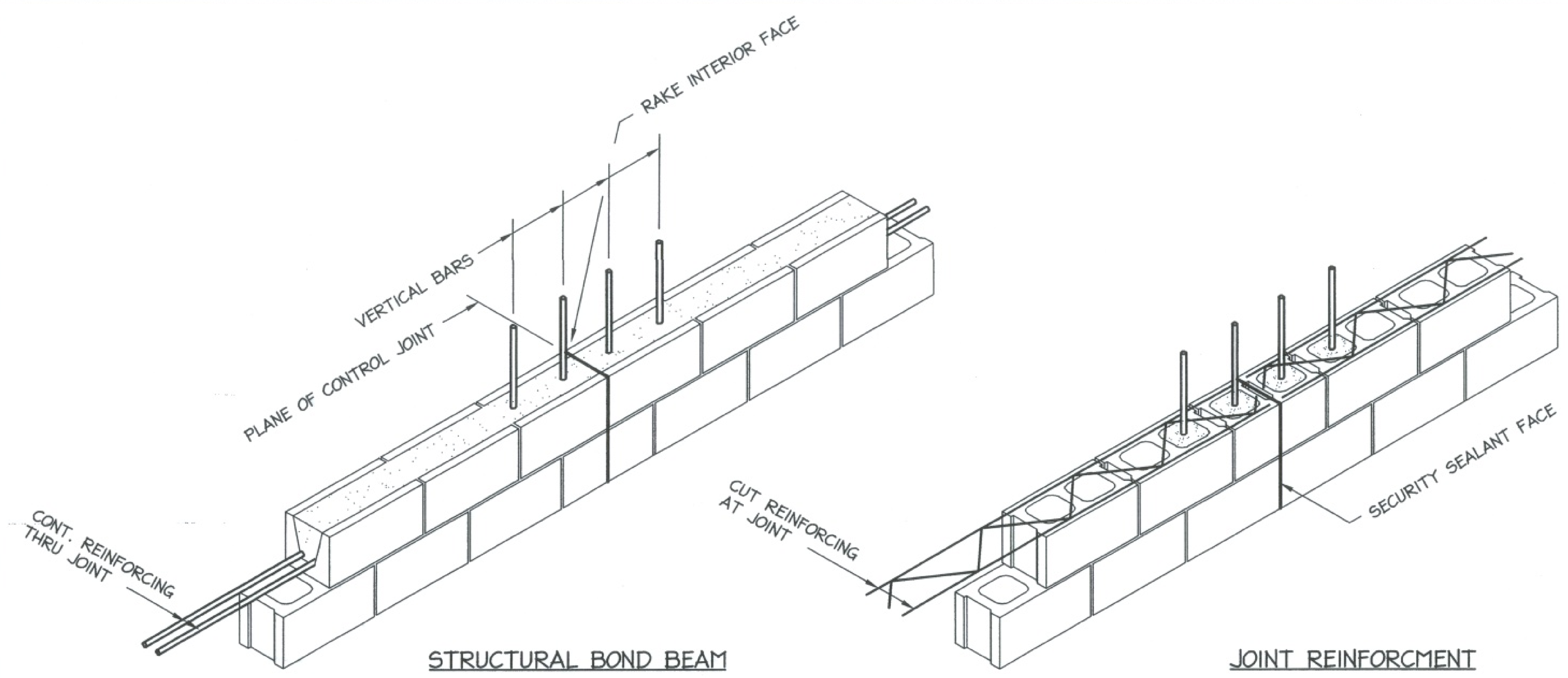
THICKENED SLAB DETAIL

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



TYPICAL MASONRY TIE DETAIL

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



TYPICAL MASONRY CONTROL JOINT DETAILS

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

STRUCTURAL NOTES

DESIGN DATA AND LOADS:

1. CONCRETE DESIGN METHOD: WORKING STRESS (ACI 318-02)
2. STEEL DESIGN METHOD: ALLOWABLE STRESS (AISC- NINTH EDITION)
3. DESIGN LOADS:
   A. ROOF LOADS
   DEAD LOAD: 25 PSF
   LIVE LOAD: 20 PSF
   SNOW LOAD: 25 PSF
   MECHANICAL LOAD: 60 PSF

   B. WIND LOADS BASED ON 90 MPH WIND IN ACCORDANCE WITH INDIANA BUILDING CODE, 2003 EDITION

   C. SEISMIC DESIGN PER INDIANA BUILDING CODE, 2003 EDITION
4. DESIGN SOIL BEARING PRESSURE:
   A. COLUMN AND WALL FOUNDATIONS: 2,000 PSF
5. CONCRETE DESIGN STRENGTH: f'c = 4000 PSI AT 28 DAYS
6. REINFORCING STEEL: GRADE 60
7. STRUCTURAL STEEL: W-SHAPES A992, HSS-SHAPES A500 GR. B, ALL OTHER SHAPES A36
8. ANCHOR BOLTS: F1554
9. CONNECTION BOLTS: A325 WITH STANDARD SIZE BOLTS

FOUNDATION:

1. INSPECTION AND TESTING OF BEARING SOILS AT EACH FOUNDATION SHALL BE MADE BY THE GEOTECHNICAL REPRESENTATIVE TO ASSURE ADEQUATE BEARING CAPACITY FOR WHICH THE FOOTINGS WERE DESIGNED. IF UNSUITABLE MATERIAL IS FOUND, THE PROPOSED FOOTING ELEVATION SHALL BE RE-ESTABLISHED BY LOCALIZED UNDERCUTTING, REFER TO THE SOILS REPORT PROVIDED BY PATRIOT ENGINEERING.
2. COMPACTION REQUIREMENTS: COMPACTION DENSITIES ARE A PERCENTAGE OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY - ASTM D698. COORDINATE WITH GEOTECHNICAL REPRESENTATIVE.
3. BACKFILL ALONG WALLS SHALL BE SIMULTANEOUSLY ON BOTH SIDES OF WALL WHERE WALLS HAVE FILL ON BOTH SIDES.
4. THE BOTTOMS OF ALL FOUNDATIONS SHALL BE PROTECTED FROM MOISTURE DAMAGE AND/OR FREEZING IF THE FOUNDATION CANNOT BE CAST IMMEDIATELY.
5. VERIFY ALL EXISTING CONDITIONS PRIOR TO ANY CONSTRUCTION OR FABRICATION. IF DIFFERENT THAN SHOWN, NOTIFY THE ARCHITECT/ENGINEER SO THAT THE REQUIRED DETAIL MAY BE MODIFIED AND/OR CREATED.
6. THERE SHOULD BE 2'-0" MIN. OF GRANULAR FILL BETWEEN NATURAL SOILS AND FOUNDATION WALLS. REFER TO SOILS REPORT FOR CONSTRUCTION REQUIREMENTS.

REINFORCED CONCRETE:

1. UNLESS OTHERWISE NOTED, COVER, LAPS, SPLICES, OR EMBEDMENT LENGTHS SHALL CONFORM TO ACI 318-02.
2. ALL HORIZONTAL BARS IN WALLS, FOUNDATIONS OR GRADE BEAMS SHALL BE BENT AT CORNERS AND INTERSECTIONS IN SUCH A WAY THAT CONTINUITY IS PROVIDED THROUGH THE JOINT.
3. A 6" LAYER OF FREE DRAINING GRANULAR FILL IS TO BE PLACED BENEATH THE FLOOR SLAB. REINFORCING FOR FLOOR SLAB SHALL BE 6 x 6 - W2.9 x W2.9. SEE SLAB PLAN FOR CONTROL/ CONSTRUCTION JOINT LOCATIONS.
4. PROVIDE ADDITIONAL REINFORCING EACH FACE ALL AROUND OPENINGS IN SLABS AND WALLS GREATER THAN 12" IN DIAMETER. THE BARS SHALL EXTEND 1'-6" BEYOND LIMITS OF OPENING WHERE POSSIBLE OR BE PROVIDED WITH 90° BEND @ END OF BARS, SEE DETAIL THIS SHEET.
5. LOCATION AND SIZES OF ALL OPENINGS IN SLABS AND WALL SHALL BE VERIFIED WITH THE MECHANICAL, ELECTRICAL, ARCHITECTURAL AND SITE DRAWINGS. CONTRACTOR SHALL COORDINATE MECHANICAL OPENINGS AND SUPPORT SYSTEMS WITH EQUIPMENT MANUFACTURERS.
6. PROVIDE 1/2" CHAMFER ON ALL EXPOSED EDGES OF CONCRETE UNLESS OTHERWISE NOTED.

MASONRY WALLS:

1. SEE ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS FOR CONTROL JOINT LOCATIONS AND HORIZONTAL REINFORCEMENT FOR MASONRY WALLS. RELIEVING ANGLES SHALL NOT BE CONTINUOUS AT CONTROL JOINTS.
2. FILL CORES OF CONCRETE BLOCKS SOLID WITH GROUT OR USE SOLID MASONRY UNITS OR BRICK FOR A DISTANCE OF 16" BELOW BEAMS AND SLABS SUPPORTED ON MASONRY WALLS UNLESS OTHERWISE NOTED.
3. REINFORCING BARS IN MASONRY SHALL BE LAPPED IN ACCORDANCE WITH THE ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-02). BARS SHALL BE EITHER SEPARATED BY ONE BAR DIAMETER OR WIRED TOGETHER.
4. MORTAR: TYPE "M" OR "S" MORTAR SHALL BE USED ON ALL MASONRY WALLS AND PARTITIONS AND CONFORM TO A PRISM STRENGTH OF FM = 1500 PSI.
5. GROUT:
   A. GROUT SHALL BE PROPORTIONED TO VOLUME AND SHALL HAVE SUFFICIENT WATER ADDED TO PRODUCE CONSISTENCY FOR POURING WITHOUT SEGREGATION. AGGREGATE SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE INDIANA BUILDING CODE, 2003 EDITION OR THE REQUIREMENTS OF ASTM C404, STANDARD SPECIFICATIONS FOR AGGREGATE FOR MASONRY GROUT.

   B. GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.

   C. REINFORCED GROUTED MASONRY SHALL CONFORM TO ALL OF THE REQUIREMENTS OF THE INDIANA BUILDING CODE, 2003 EDITION.
6. ALL UNREINFORCED MASONRY WALLS AND/OR PARTITIONS SHALL HAVE CONTINUOUS BOND BEAMS AT THE TOP OF THE WALL.
7. THE TOPS OF ALL INTERIOR WALLS SHALL BE BRACED TO THE STRUCTURE ABOVE.
8. HORIZONTAL JOINT REINFORCEMENT SHALL BE TRUSS TYPE SPACED NOT MORE THAN 16"o.c. AND BOND BEAMS SPACED NOT MORE THAN 10'-0".
9. CONCRETE UNIT MASONRY SHALL HAVE MIN. COMPRESSIVE STRENGTH OF 2500 PSI.
10. PROVIDE #5's @ 48"o.c. MINIMUM VERTICAL REINFORCEMENT IN ALL MASONRY WALLS.

STEEL DECK:

1. STEEL DECKING WITH THE FOLLOWING PROPERTIES SHALL BE PROVIDED:
   A. ROOF LEVELS
   1 1/2", TYPE B, NON-COMPOSITE DECK
   18 GAUGE MIN. Fy MIN. = 33KSI
   #12 TEK SCREWS WITH 36/4 PATTERN AT ALL SUPPORTS
   PROVIDE 4-#10 TEK SCREW SIDELAP FASTENERS PER SPAN

   B. SECURITY CELL CEILINGS
   2", TYPE VLP, CELLULAR DECK w/ 1 1/2" CONCRETE COVER
   & ONE LAYER 6x6-W1.4xW1.4 WWF, NORMAL WEIGHT CONCRETE 145 PCF
   18 GAUGE MIN. Fy MIN. = 33KSI
   #12 TEK SCREWS WITH 36/4 PATTERN AT ALL SUPPORTS
   PROVIDE 4-#10 TEK SCREW SIDELAP FASTENERS PER SPAN

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, INSTALLED, AND ERECTED IN ACCORDANCE WITH THE LATEST AISC "SPECIFICATION FOR DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."
2. ALL CONNECTIONS NOT DETAILED OR OTHERWISE NOTED SHALL BE STANDARD AISC WELDED OR BOLTED CONNECTIONS.
3. BEAM CONNECTIONS SHALL BE BOLTED. THEY SHALL BE DESIGNED FOR MAXIMUM END REACTIONS AS GIVEN IN THE AISC ALLOWABLE UNIFORM LOAD TABLES WHERE MINIMUM LENGTH OF MEMBER SHALL BE 0.6 TIMES THE DEPTH. CONNECTION IS TO BE A BEARING TYPE WITH THE THREADS INCLUDED IN THE SHEAR PLANE (TYP., U.N.O.)
4. ALL WELDING SHALL BE IN ACCORDANCE WITH THE AWS WELDING CODE (AWS D1.1). USE E70XX ELECTRODES FOR WELD MATERIAL.
5. STEEL FRAMING CONNECTIONS SHALL BE TIGHTENED AND COLUMNS SHALL BE LEVELED AND GROUTED IN PLACE BEFORE DECKING OR SLABS ARE PLACED.
6. SEE THE SPECIFICATIONS REGARDING THE PAINTING OF STEEL.
7. BURNING OF HOLES IN STRUCTURAL STEEL IS NOT PERMITTED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
8. CAMBER SHALL BE PROVIDED TO ALL BEAMS AT ROOF LEVELS TO COMPENSATE FOR DEAD LOADS AS INDICATED IN DESIGN DATA NOTE NUMBER 3.
9. ALL BOLTS SHALL BE A MINIMUM OF 3/4" DIAMETER.
10. ALL STEEL EXPOSED TO THE WEATHER ELEMENTS SHALL BE GALVANIZED.
11. ALL STEEL ERECTION PROCEDURES SHALL CONFORM TO OSHA STEEL ERECTION STANDARD 29 CFR 1926.750 DATED JANUARY 18, 2002.

STEEL JOISTS:

1. ALL STEEL BAR JOISTS SHALL BE DESIGNED, FABRICATED, INSTALLED, AND BRACED IN ACCORDANCE WITH THE LATEST STEEL JOIST INSTITUTE (SJI) REQUIREMENTS. EXTENDED ENDS SHALL BE DESIGNED IN ACCORDANCE WITH LOADS INDICATED IN "DESIGN DATA AND LOADS". DEFLECTION DUE TO LIVE LOAD SHALL BE LIMITED TO 1/360 OF THE JOIST SPAN.
2. HORIZONTAL BRIDGING AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE TO THE SIZE AND EXTENT REQUIRED BY SJI SPECIFICATIONS.
3. THE ENDS OF ALL BRIDGING LINES TERMINATING AT BLOCK WALLS OR STEEL BEAMS SHALL BE SECURELY ANCHORED AT THE TOP AND BOTTOM CHORDS.
4. THE MINIMUM BEARING LENGTH FOR STEEL JOISTS BEARING ON STEEL BEAMS SHALL BE 2 1/2" UNLESS OTHERWISE NOTED. THE MINIMUM BEARING LENGTH FOR STEEL JOISTS BEARING ON MASONRY OR CONCRETE SHALL BE 4".
5. DESIGN ALL SPECIAL JOISTS (SPL JST) WITH ALL THE APPLIED LOADS.
6. PROVIDE DESIGN CALCULATIONS AND SHOP DRAWINGS STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF INDIANA.

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RICHARD T. O'CONNOR REGISTERED No. 17778 STATE OF INDIANA PROFESSIONAL ENGINEER

5-4-05

job#: 204-025.2
contract#: 204-025.2
designed: BLB
drawn: SEA
checked:
date: 05/06/05

STRUCTURAL NOTES & MISCELLANEOUS DETAILS

KNOX COUNTY JAIL

VINCENNES, INDIANA

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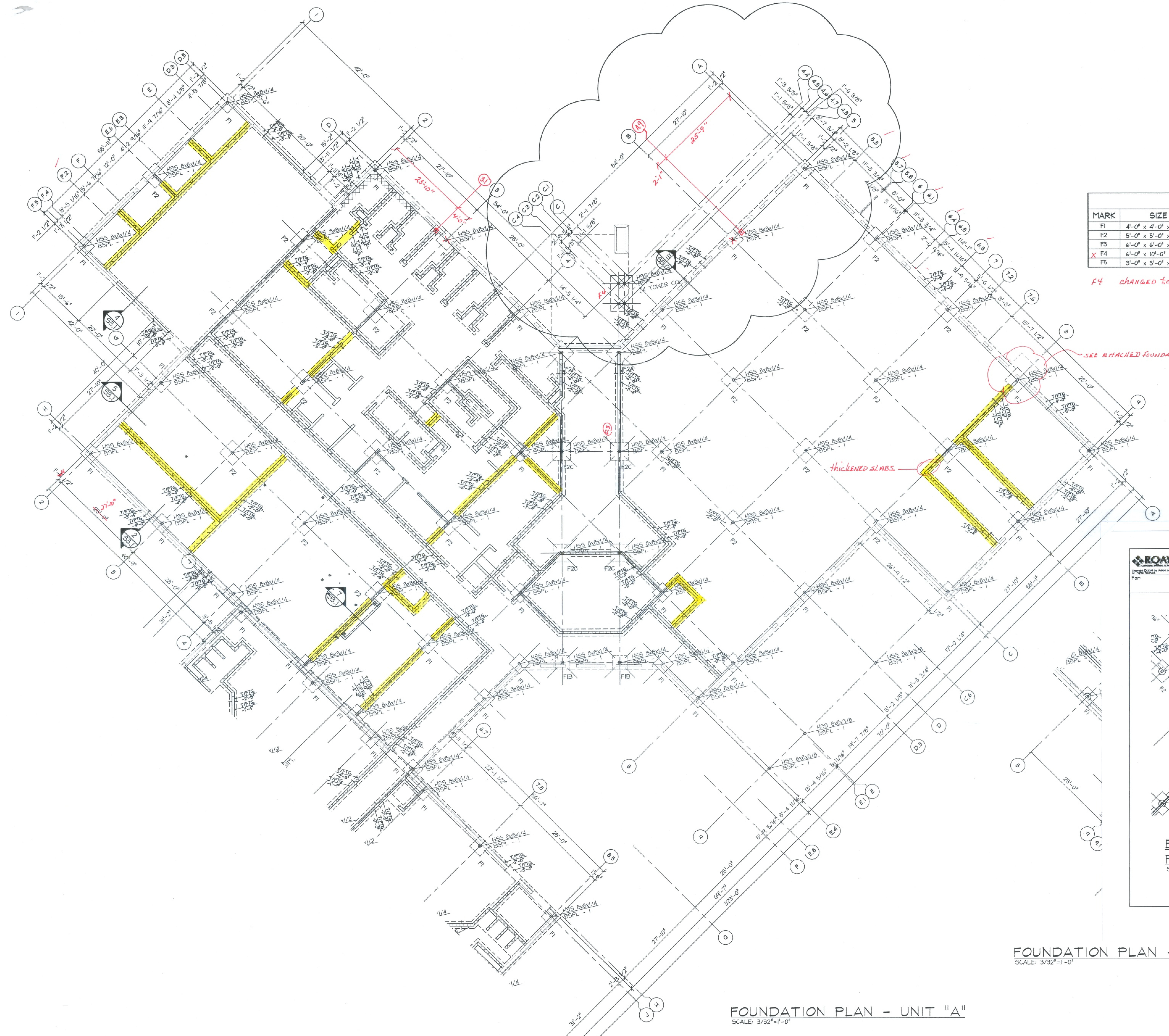

FOUNDATION PLAN - UNIT "A"

SCALE: 3/32"=1'-0"

FOOTING SCHEDULE

MARK	SIZE	REINFORCING	REMARKS
F1	4'-0" x 4'-0" x 1'-0"	5-#5's EA. WAY	
F2	5'-0" x 5'-0" x 1'-0"	6-#5's EA. WAY	
F3	6'-0" x 6'-0" x 1'-0"	6-#6's EA. WAY	
X F4	6'-0" x 10'-0" x 1'-6"	9-#7's TRANS. & 6-#9's LONG.	
F5	3'-0" x 3'-0" x 1'-0"	4-#5's EA. WAY	

F4 changed to 7'-6" x 10'-0" per Steve Adams 3-30-06

NOTES:

TOP OF ALL INTERIOR FTG'S. -1'-4" U.N.O.

FOOTING STEP LOCATIONS AROUNDEXTERIOR WALLS NEED TO BE COORDINATED w/ THE WALL PANEL LAYOUT

xxxx PLF = SHEAR WALL LOCATIONS DESIGNATE LATERAL LOADS TO BE TAKEN BY PERIMETER WALL PANELS. ALL CONNECTIONS SHALL BE DESIGNED TO ACCOMMODATE THESE LOADS BY THE PANEL MANUFACTURER.

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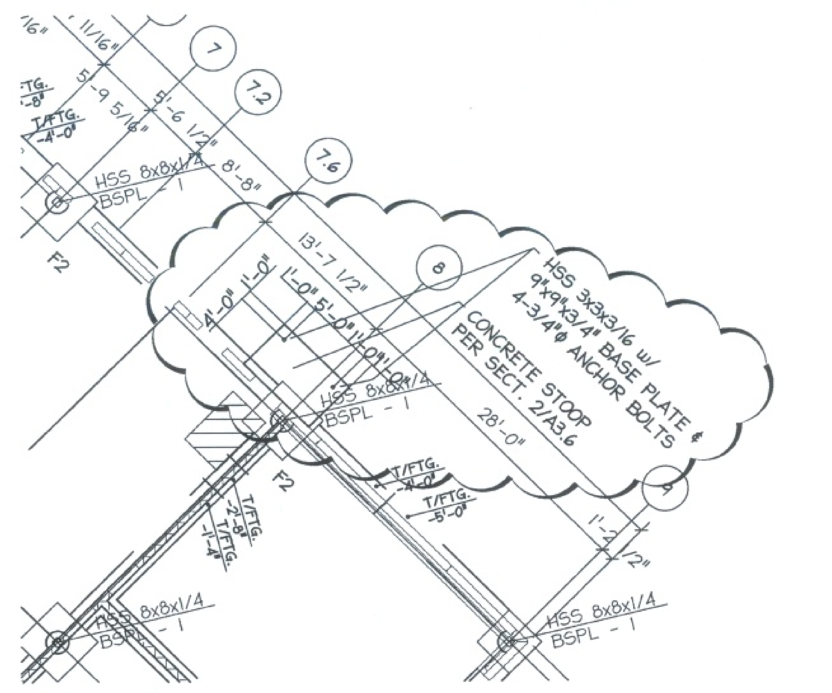
	Checked by:	Date:	Sheet No.: ASI 11-1	Scale: 3/32"=1'-0"

For: KNOX COUNTY JAIL
EAST CANOPY FOUNDATION PLAN

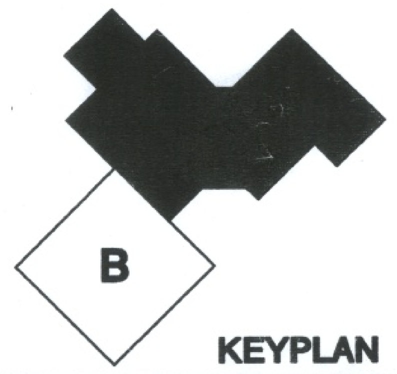


EAST CANOPY FOUNDATION PLAN - UNIT "A"

SCALE: 3/32"=1'-0"

FOUNDATION PLAN - UNIT "A" (ALTERNATE #1)

SCALE: 3/32"=1'-0"



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1	ASI #1 - CANOPY STRUCTURE CHANGES	11-1-05

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FOUNDATION PLAN - UNIT "A"

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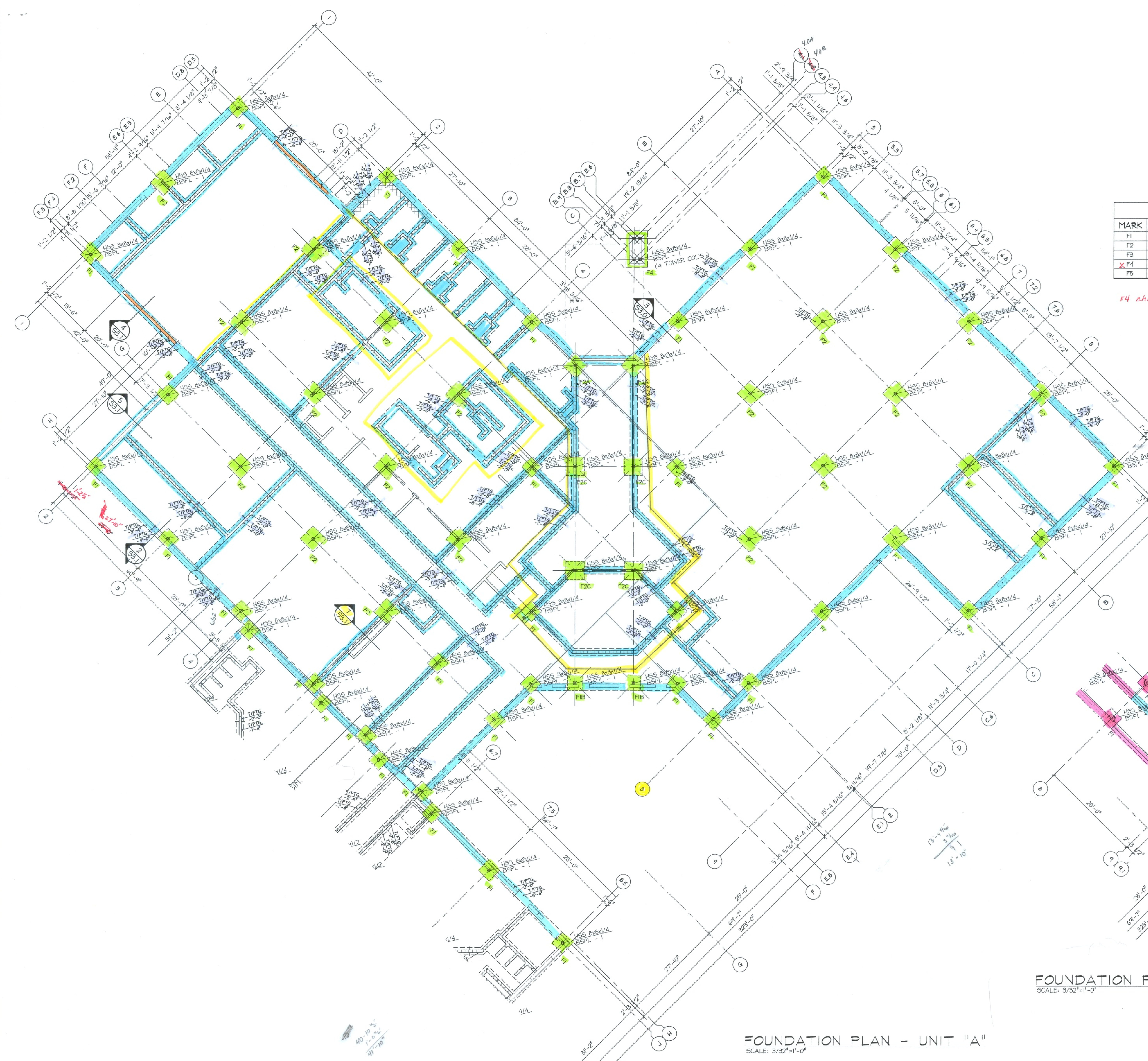

FOUNDATION PLAN - UNIT "A"
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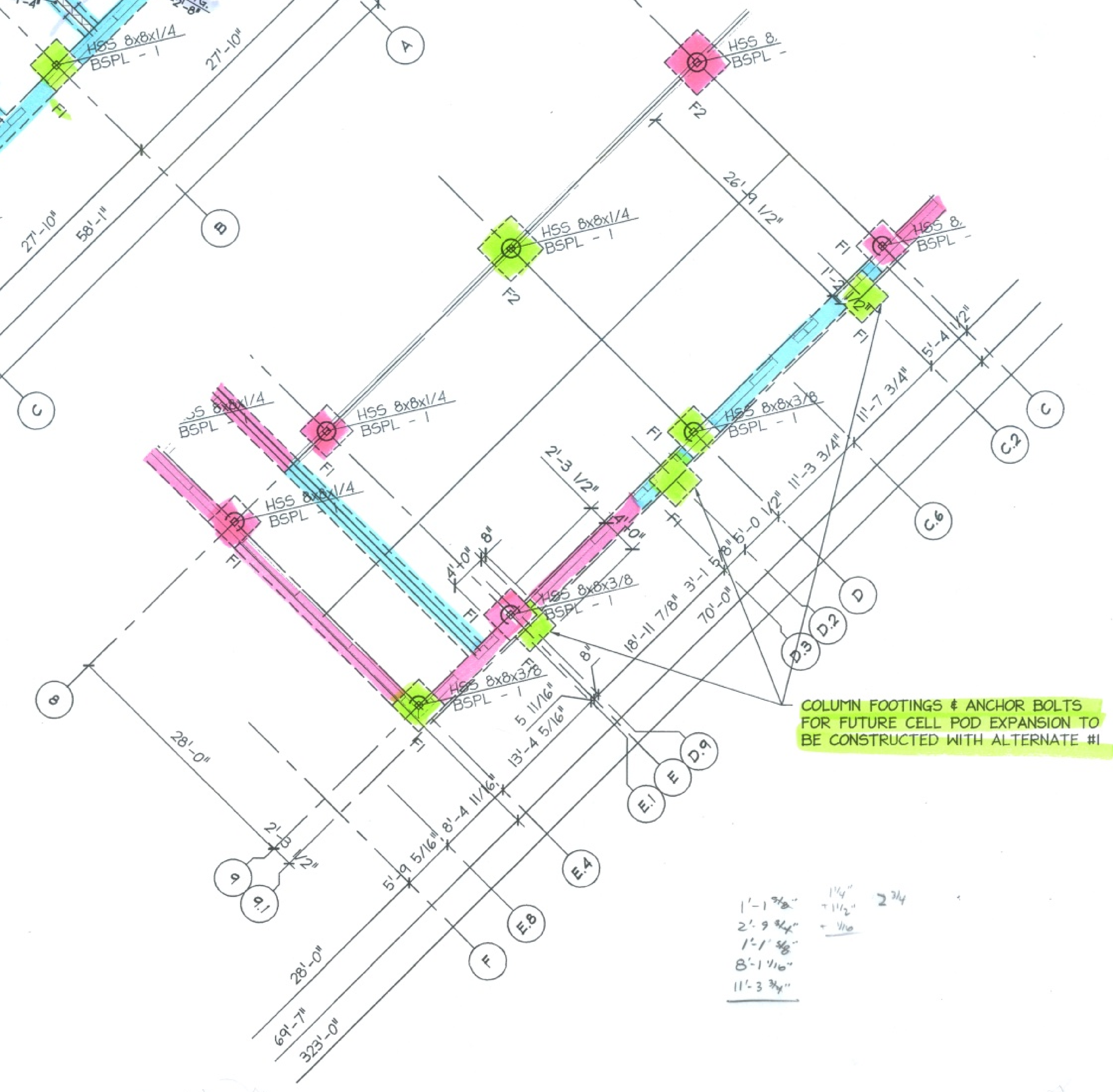

COLUMN FOOTINGS & ANCHOR BOLTS FOR FUTURE CELL POD EXPANSION TO BE CONSTRUCTED WITH ALTERNATE #1

FOUNDATION PLAN - UNIT "A" (ALTERNATE #1)
SCALE: 3/32"=1'-0"

FOOTING SCHEDULE			
MARK	SIZE	REINFORCING	REMARKS
F1	4'-0" x 4'-0" x 1'-0"	5-#5's EA. WAY	37 EA
F2	5'-0" x 5'-0" x 1'-0"	6-#5's EA. WAY	27 EA
F3	6'-0" x 6'-0" x 1'-0"	6-#6's EA. WAY	
X F4	6'-0" x 10'-0" x 1'-6"	9-#7's TRANS. & 6-#9's LONG.	1 EA
F5	3'-0" x 3'-0" x 1'-0"	4-#5's EA. WAY	

F4 changed to 7'-6 x 10'-0 per Steve Adams 3-30-06

30 EA

NOTES:

TOP OF ALL INTERIOR FTG'S. -1'-4" U.N.O.

FOOTING STEP LOCATIONS AROUNDEXTERIOR WALLS NEED TO BE COORDINATED w/ THE WALL PANEL LAYOUT

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691 Exterior

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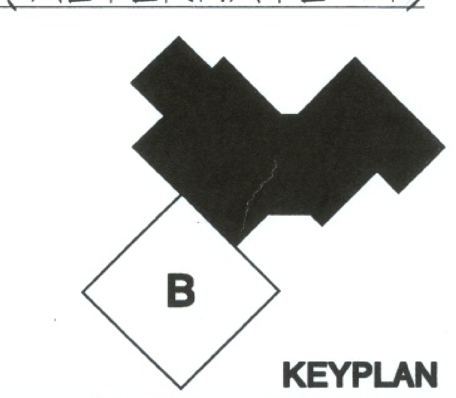

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FOUNDATION PLAN - UNIT "A"

KNOX COUNTY JAIL

VINCENNES, INDIANA

* See Revised Dwg for Canopy Details.

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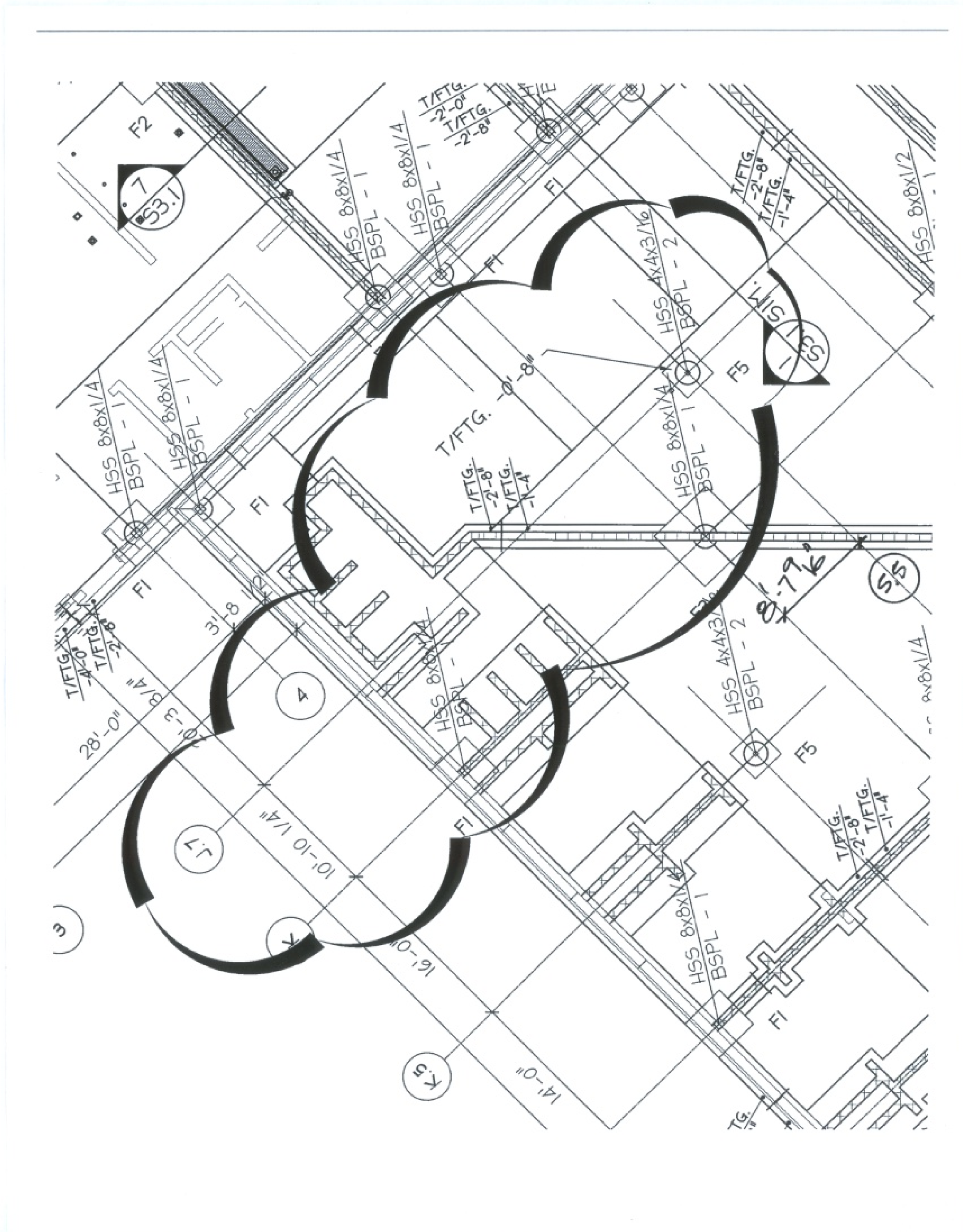

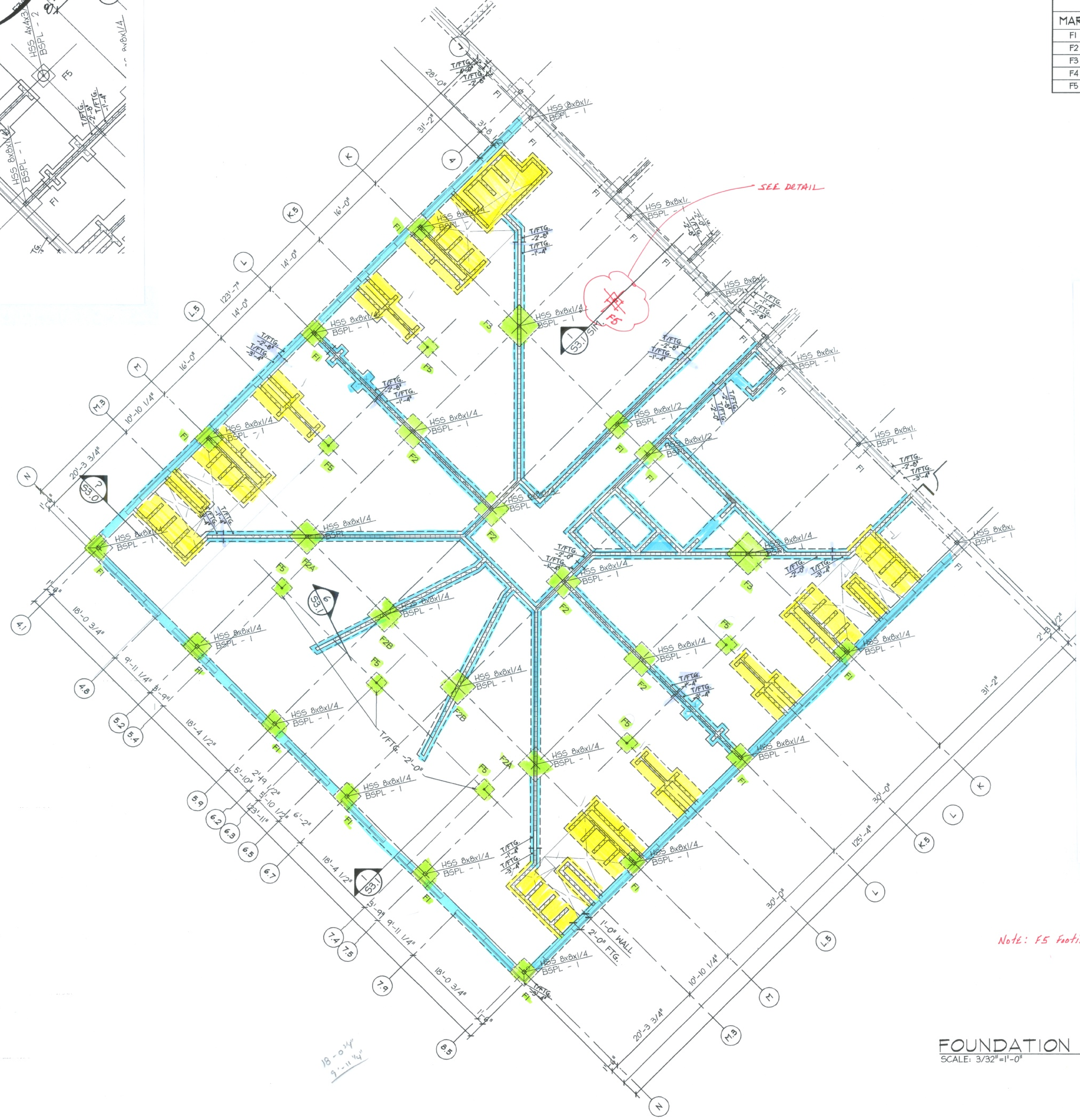

FOUNDATION PLAN - UNIT "B"
SCALE: 3/32"=1'-0"

FOOTING SCHEDULE			
MARK	SIZE	REINFORCING	REMARKS
F1	4'-0" x 4'-0" x 1'-0"	5-#5's EA. WAY	14 EA
F2	5'-0" x 5'-0" x 1'-0"	6-#5's EA. WAY	8 EA
F3	6'-0" x 6'-0" x 1'-0"	6-#6's EA. WAY	2 EA
F4	6'-0" x 10'-0" x 1'-6"	9-#7's TRANS. & 6-#9's LONG.	
F5	3'-0" x 3'-0" x 1'-0"	4-#5's EA. WAY	7 EA

NOTES:

TOP OF ALL INTERIOR FTG'S. -1'-4" U.N.O.

FOOTING STEP LOCATIONS AROUNDEXTERIOR WALLS NEED TO BE COORDINATED w/ THE WALL PANEL LAYOUT

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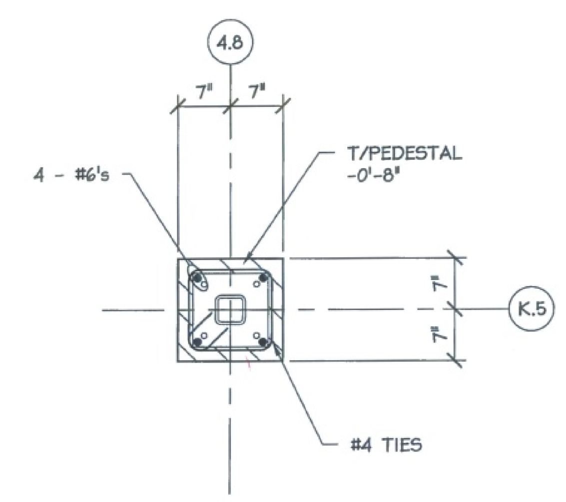
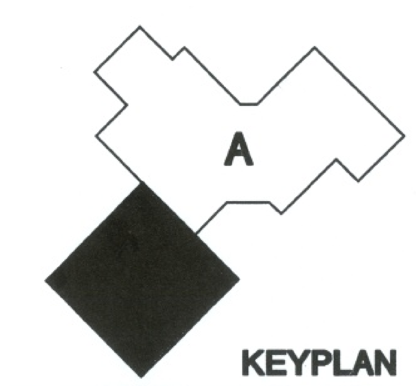


PEDESTAL: L.5/4.8, M.3/5.4, M.3/6.3, M.3/7.4, K.5/7.9, L.5/7.9 SAME

PEDESTAL DETAIL F5
SCALE: 3/4"=1'-0" ped-dt04



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FOUNDATION PLAN - UNIT "B"

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SLAB PLAN - UNIT "A"

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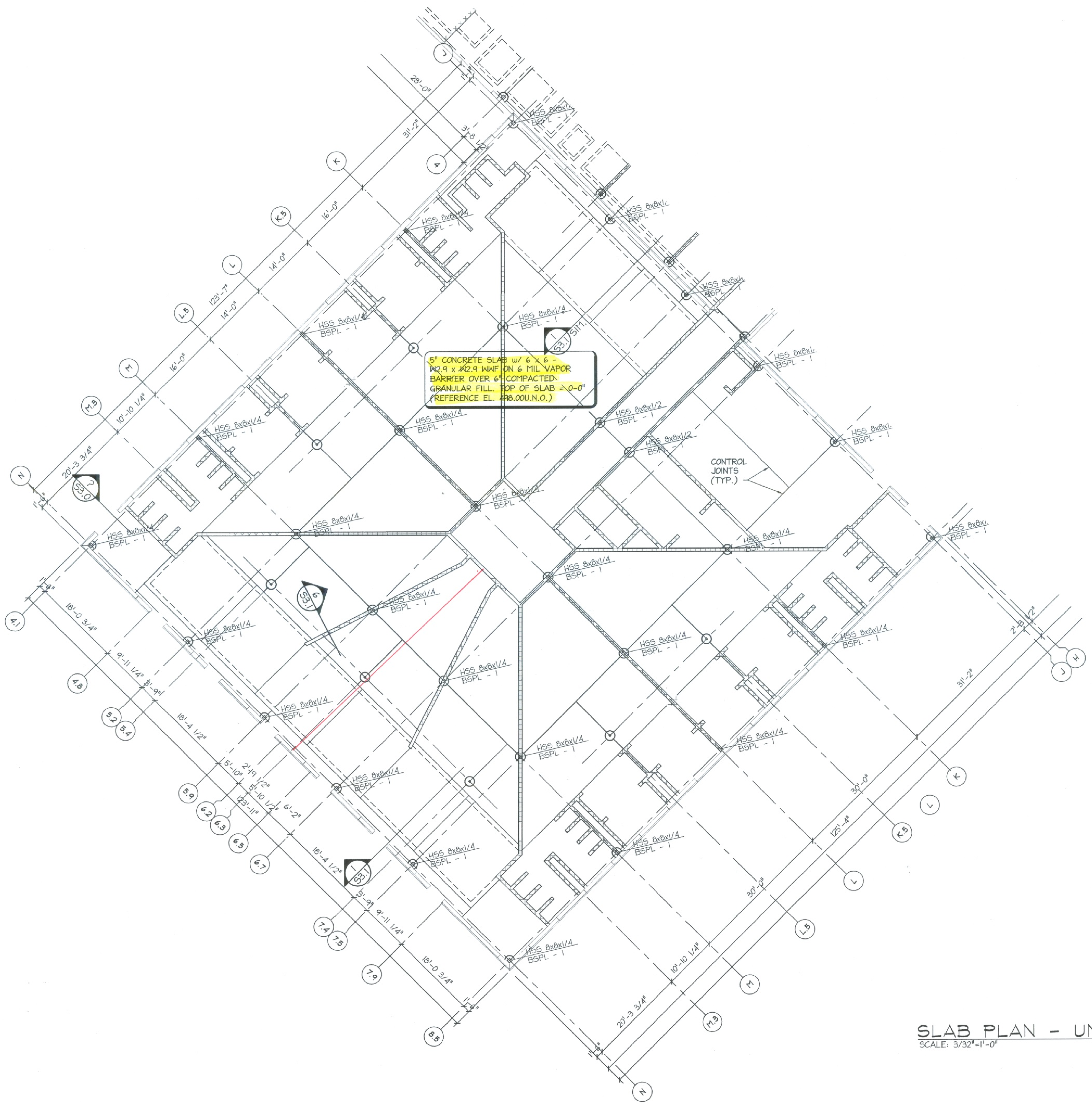

SLAB PLAN - UNIT "B"

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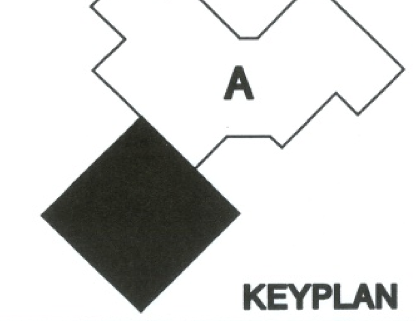

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date:	05/06/05

SLAB PLAN - UNIT "B"

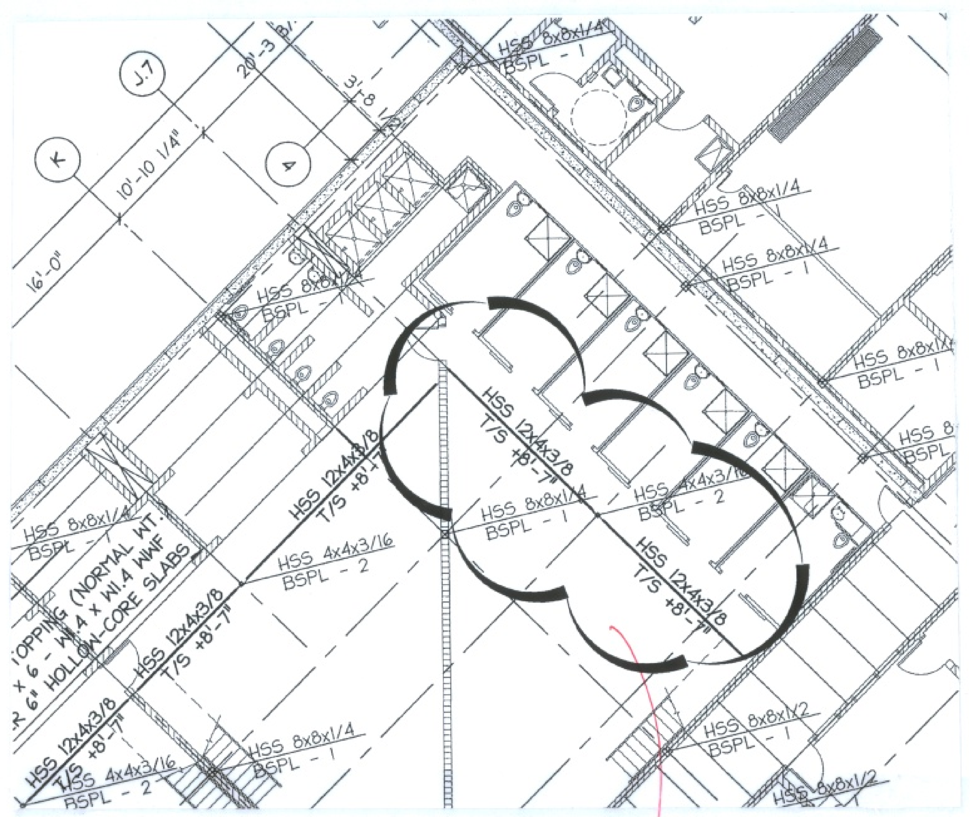
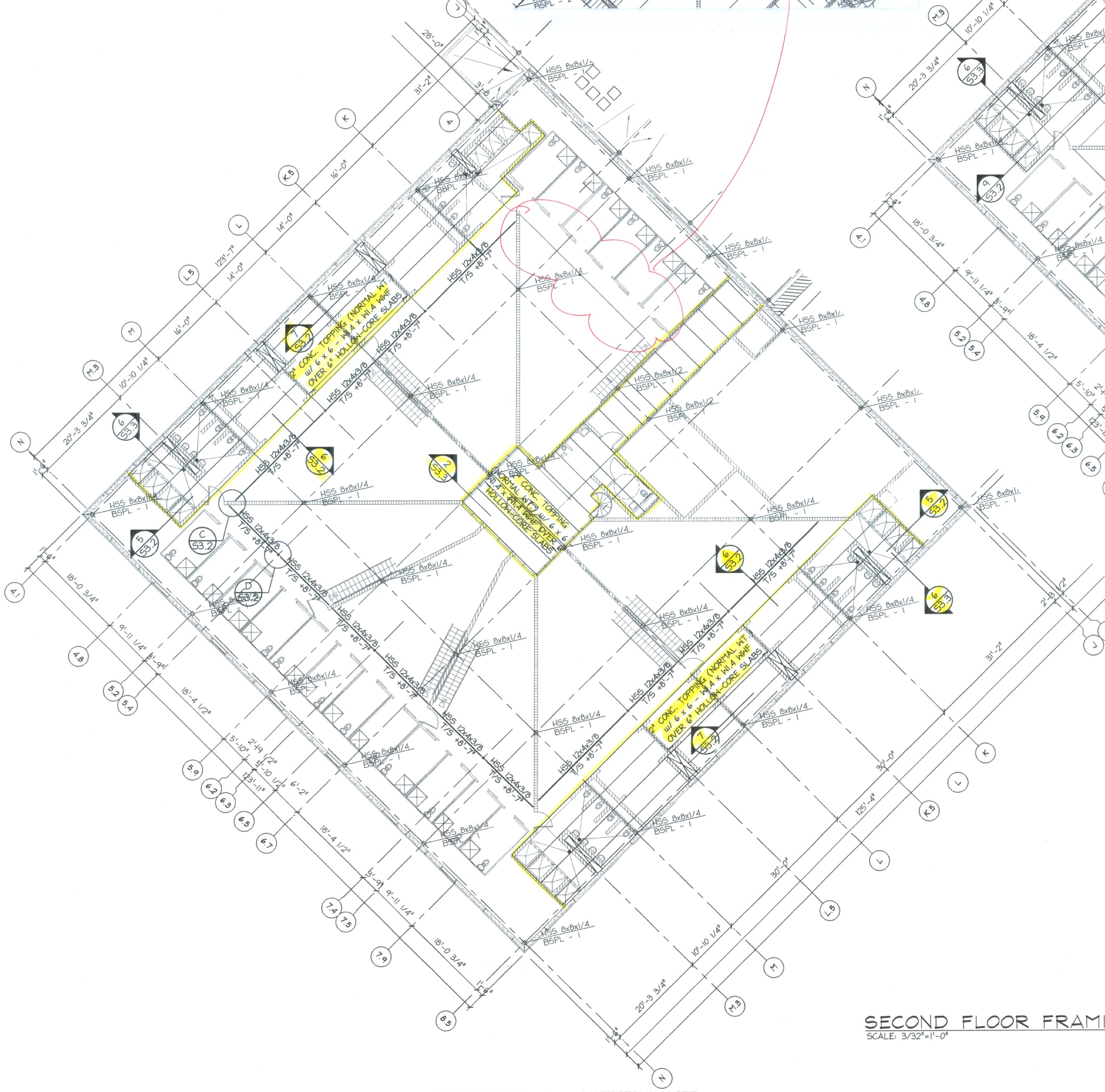
KNOX COUNTY JAIL

VINCENNES, INDIANA

SHEET

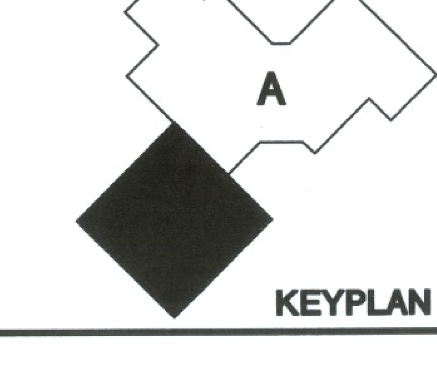
S2.1B

OF

SECOND FLOOR FRAMING PLAN - UNIT "B"
SCALE: 3/32"=1'-0"

MEZZANINE CEILING FRAMING PLAN - UNIT "B"
SCALE: 3/32"=1'-0"



KEYPLAN

Donovan & Donovan
associates, inc.
architecture engineering interior design
427 main, suite a p.o. box 978
vincennes, indiana 47591 812-882-0415

RQAW
CONSULTING ENGINEERS & ARCHITECTS
RQAW Corporation
4755 Kingsway Drive, Suite 400
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sym	revisions	date

scale:
GRAPHIC SCALE

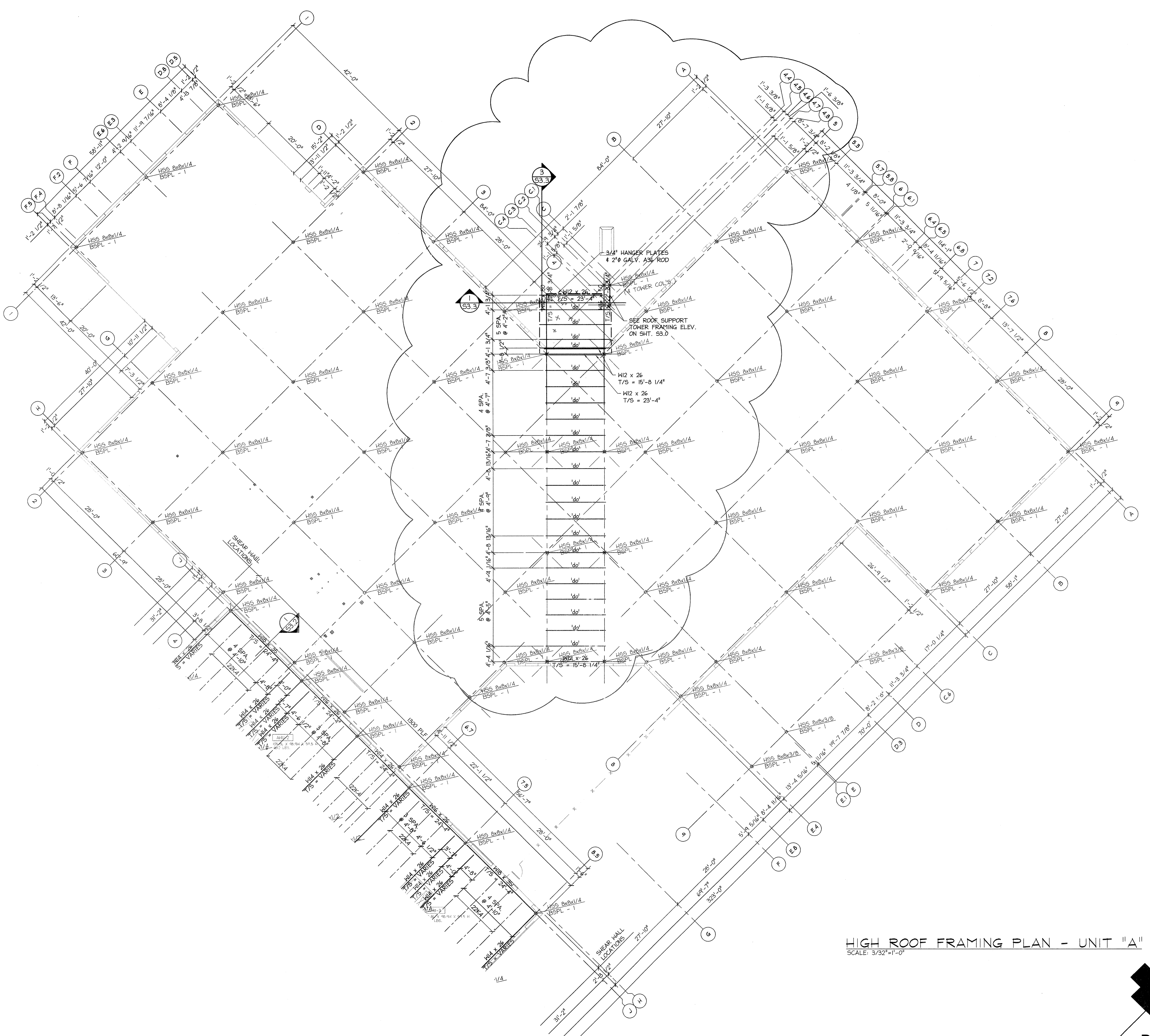
job:	204-025.2
contract:	204-025.2
designed:	BLB
drawn:	SEA
checked:	
date:	05/06/05

SECOND FLOOR & MEZZANINE ROOF FRAMING PLANS - UNIT "B"

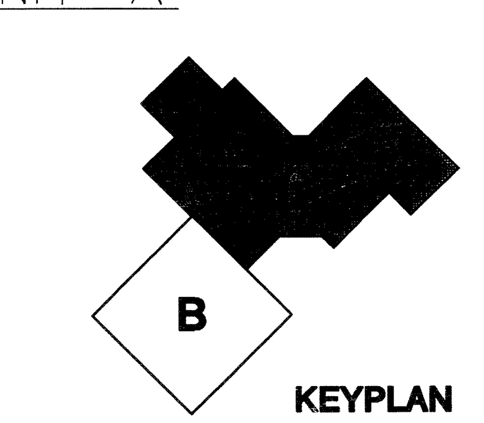
KNOX COUNTY JAIL

VINCENNES, INDIANA

SHEET
S2.2B
OF



HIGH ROOF FRAMING PLAN - UNIT "A"
SCALE: 3/32"=1'-0"



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sym	revisions	date
1	ASI #1 - CANOPY STRUCTURE CHANGES	11-1-05

scale:
GRAPHIC SCALE

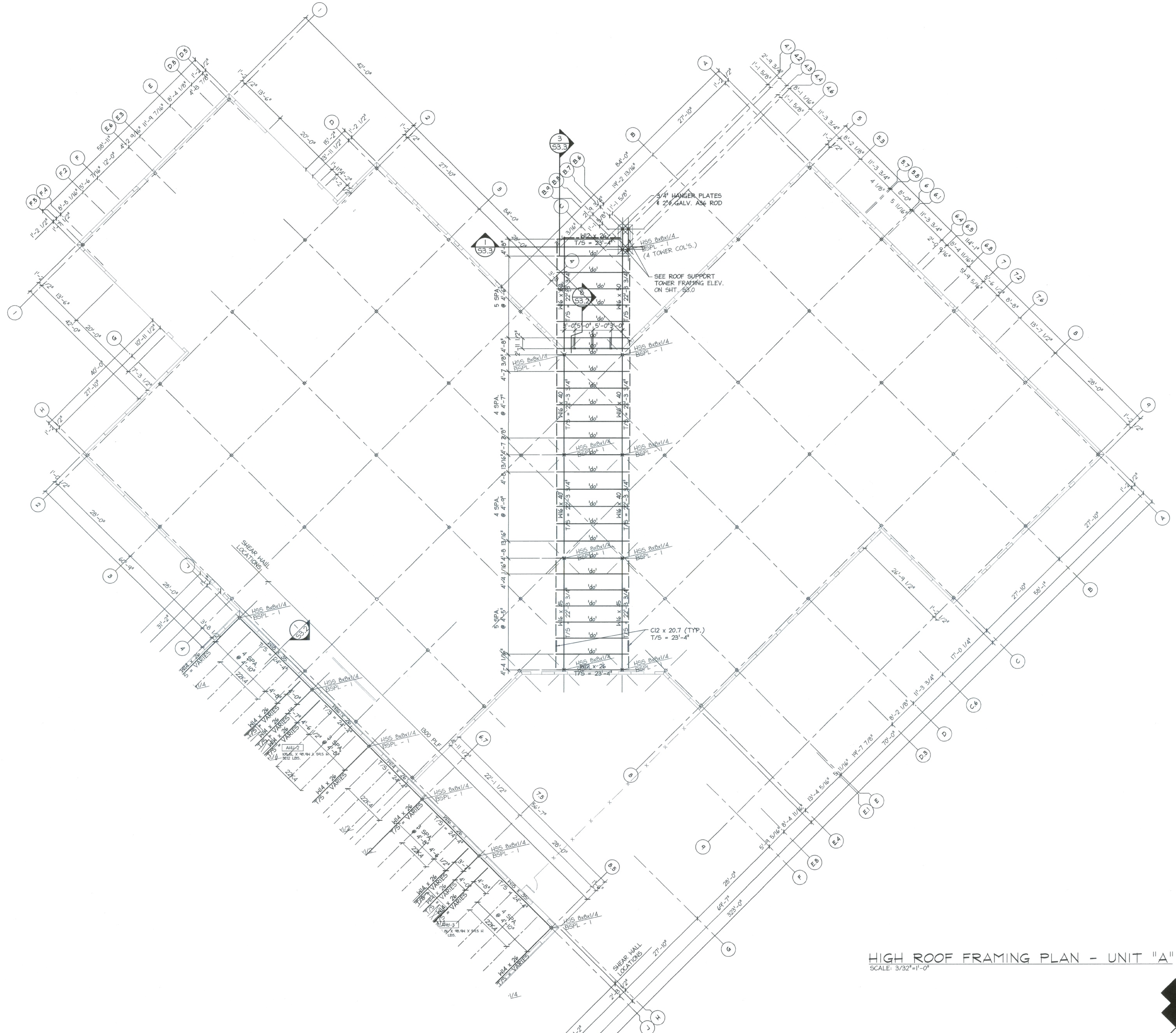
job#	204-025.2
contract#	204-025.2
designed:	BLB
drawn:	SEA
checked:	
date:	05/06/05

HIGH ROOF FRAMING PLAN - UNIT "A"

KNOX COUNTY JAIL

VINCENNES, INDIANA

SHEET
S2.3A
OF



HIGH ROOF FRAMING PLAN - UNIT "A"
SCALE: 3/32"=1'-0"

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contract#	204-025.2
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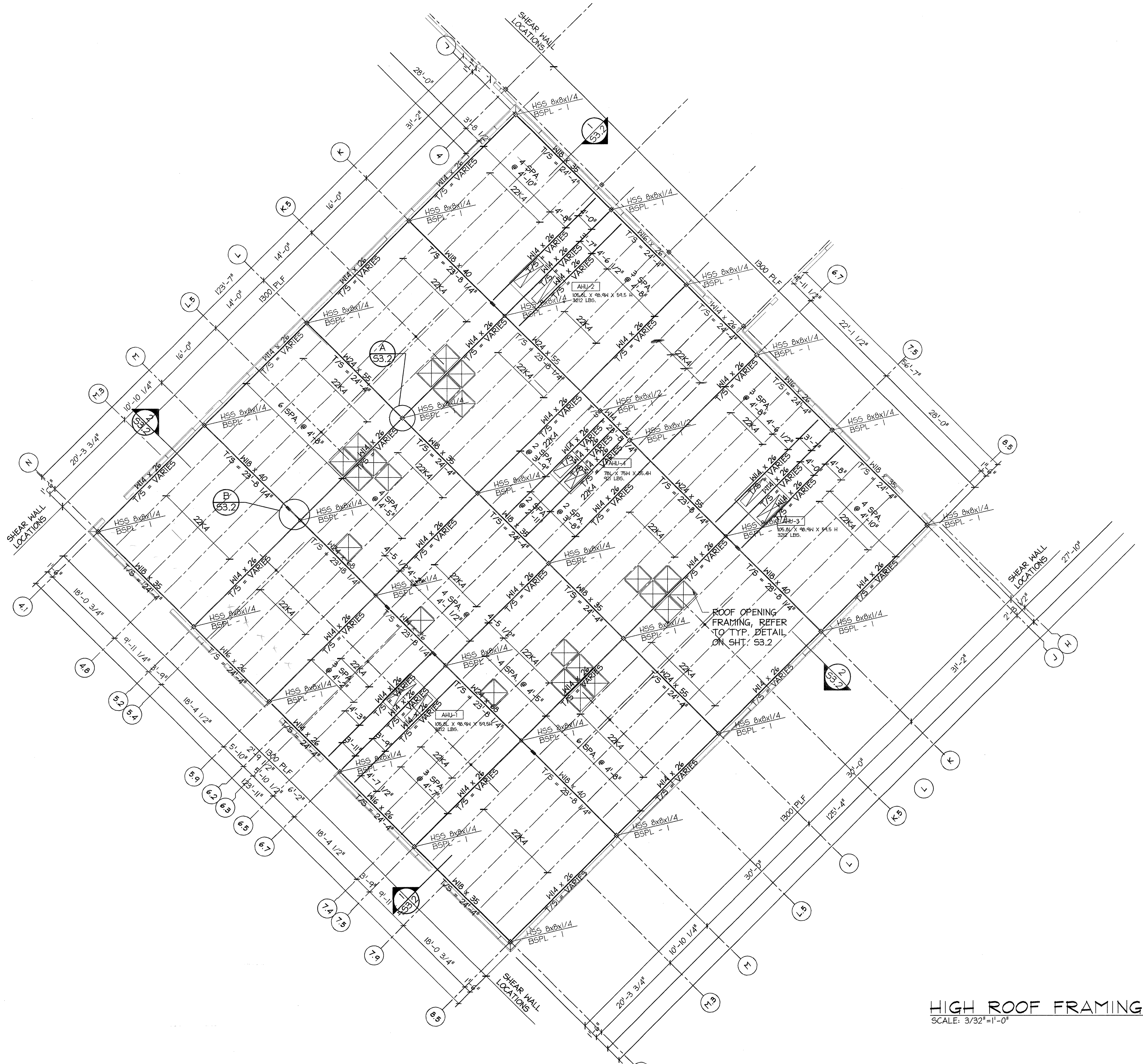
HIGH ROOF FRAMING PLAN - UNIT "A"

KNOX COUNTY JAIL

VINCENNES, INDIANA

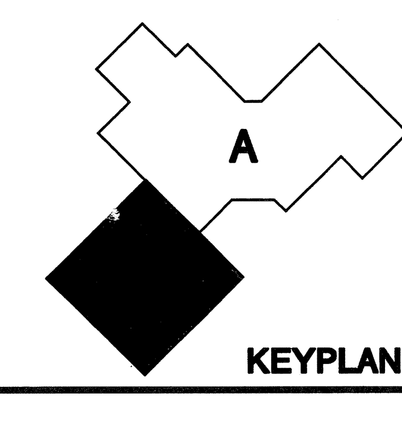
* SEE REVISED DWG FOR CANOPY DETAILS.

SHEET
S2.3A
OF



HIGH ROOF FRAMING PLAN - UNIT "B"

SCALE: 3/32"=1'-0"



KEYPLAN

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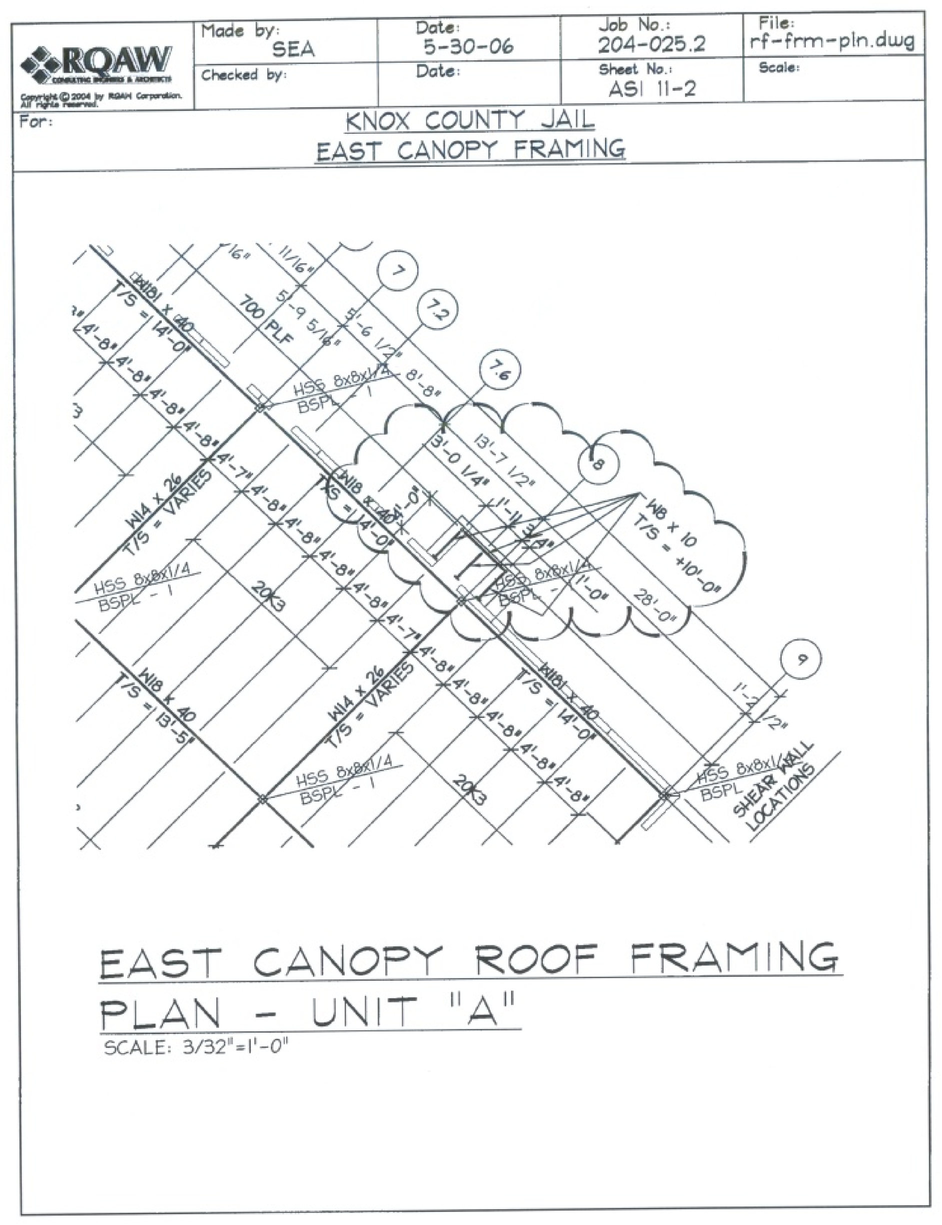
HIGH ROOF FRAMING PLAN - UNIT "B"

KNOX COUNTY JAIL

VINCENNES, INDIANA

SHEET

S2.3B



EAST CANOPY ROOF FRAMING PLAN - UNIT "A"

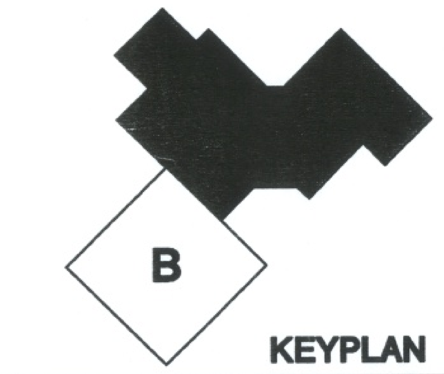
SCALE: 3/32"=1'-0"

LOW ROOF FRAMING PLAN - UNIT "A" (ALTERNATE #1)

SCALE: 3/32"=1'-0"

LOW ROOF FRAMING PLAN - UNIT "A"

SCALE: 3/32"=1'-0"



KEYPLAN

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sym	revisions	date
1	ASI #1 - CANOPY STRUCTURE CHANGES	11-1-05

scale:

GRAPHIC SCALE

job#	204-025.2
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checked:	
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LOW ROOF FRAMING PLAN - UNIT "A"

KNOX COUNTY JAIL

VINCENNES, INDIANA

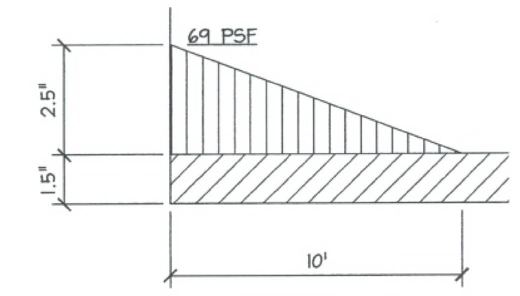
SHEET

S2.4A

OF

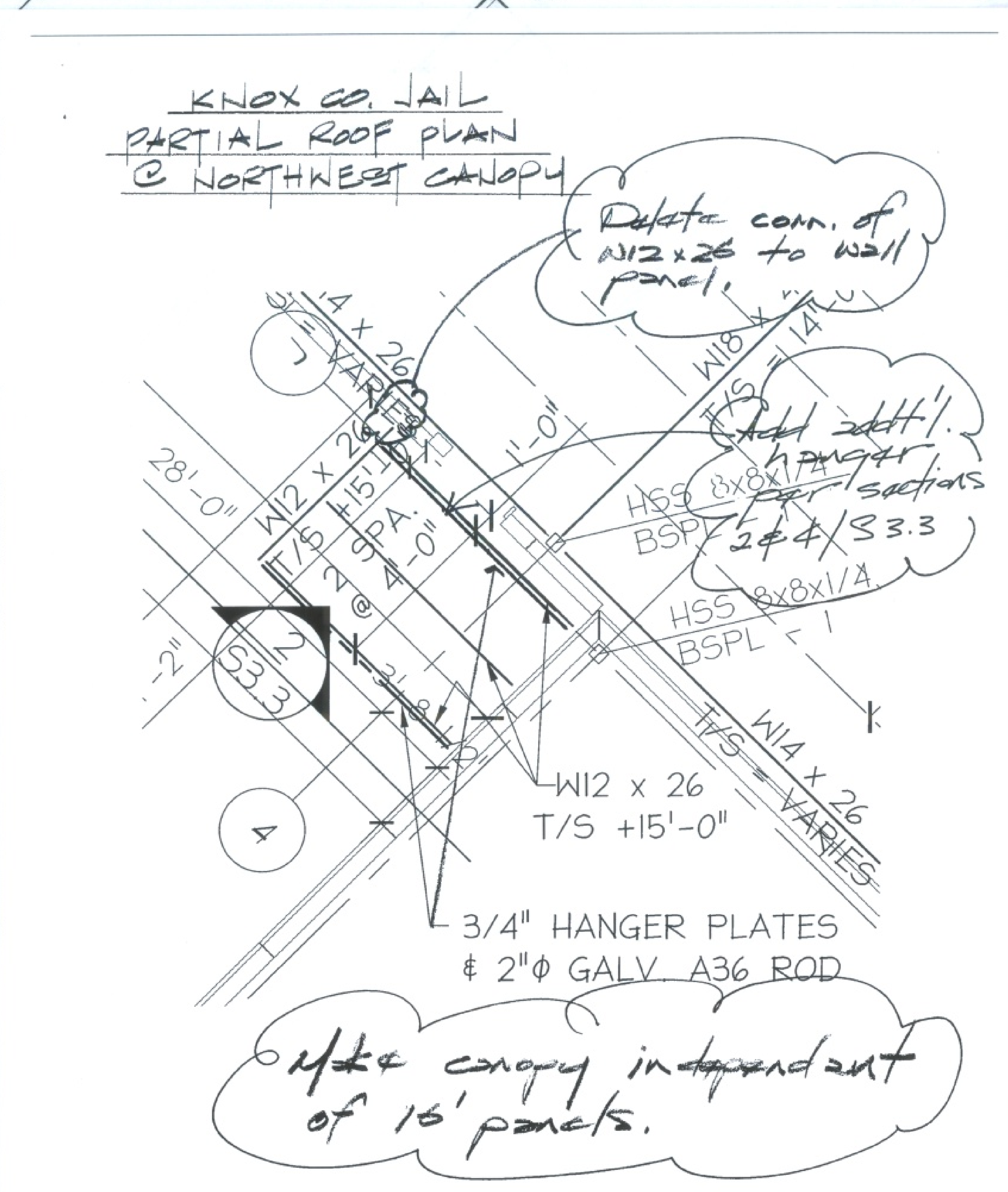
LOW ROOF FRAMING PLAN - UNIT "A"

SCALE: 3/32"=1'-0"

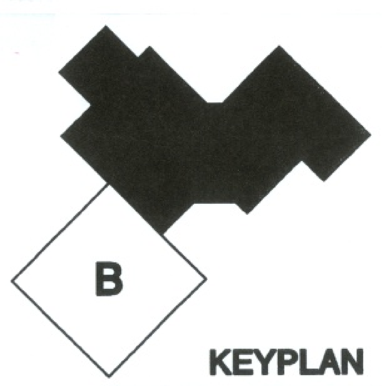


SNOW DRIFT ALONG BOTH SIDES OF THE CLEARSTORY

SNOW DRIFT ALONG GRID LINE H BETWEEN GRID LINES 4.2 & 6.5



LOW ROOF FRAMING PLAN
SCALE: 3/32"=1'-0"



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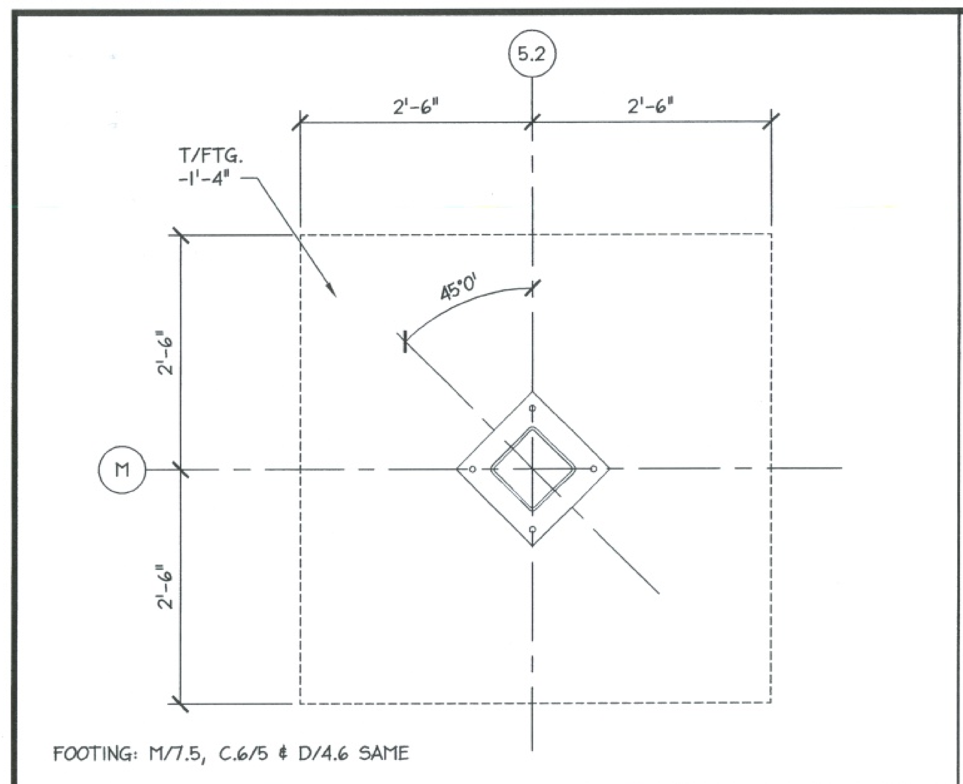
LOW ROOF FRAMING PLAN - UNIT "A"

KNOX COUNTY JAIL

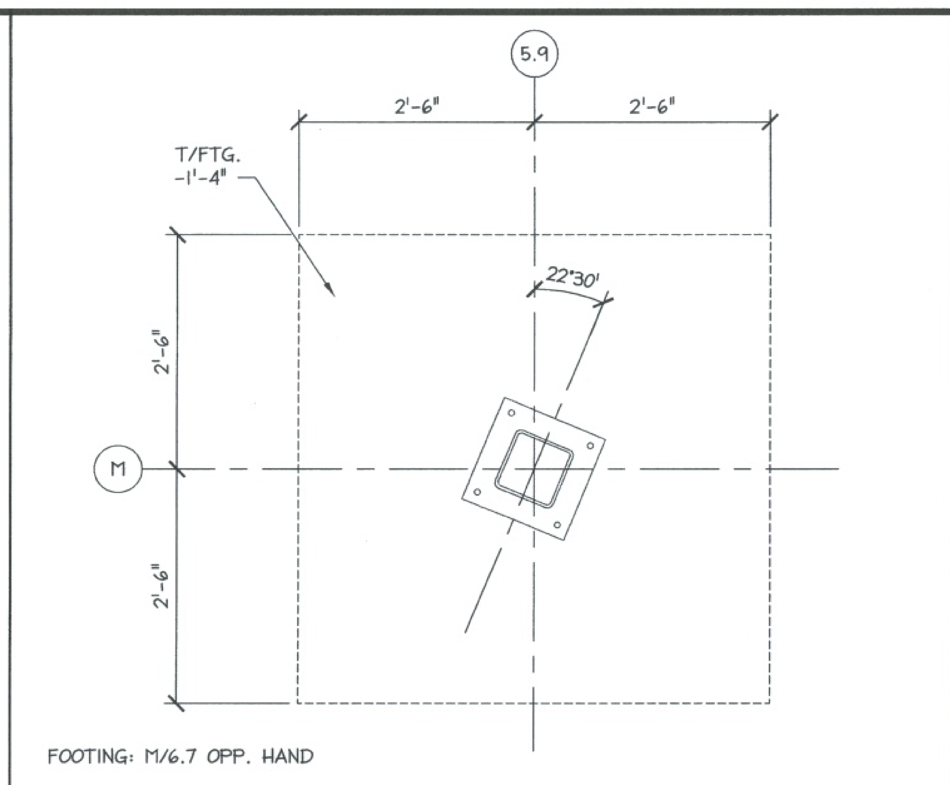
VINCENNES, INDIANA

*SEE REVISED DWG. FOR CANOPY DETAILS

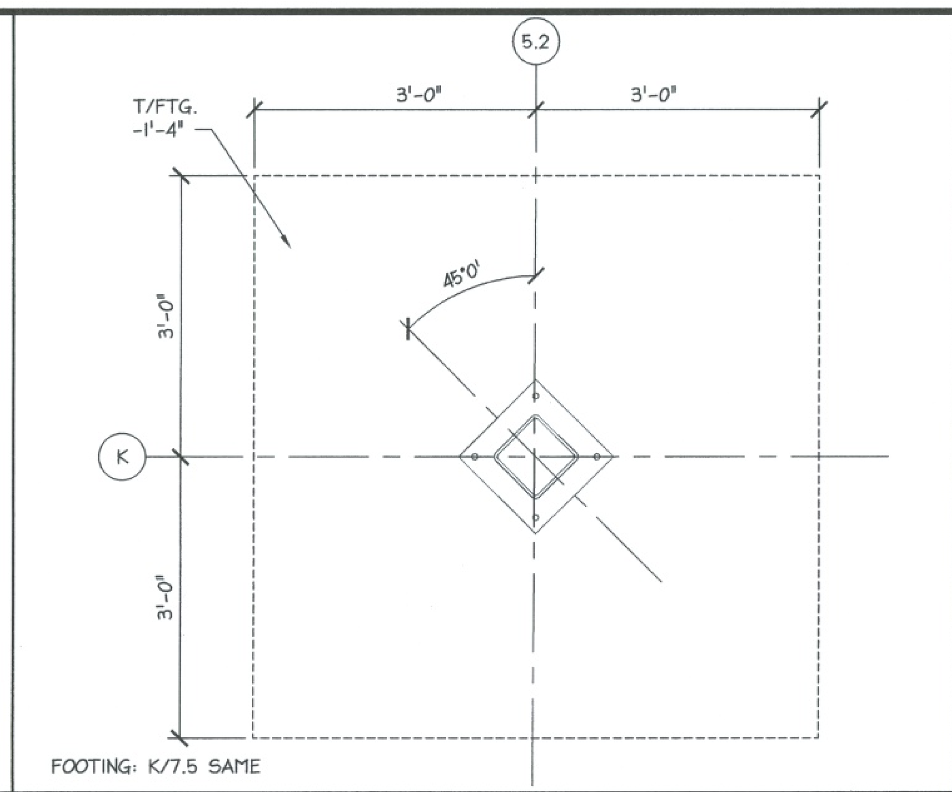
SHEET
S2.4A



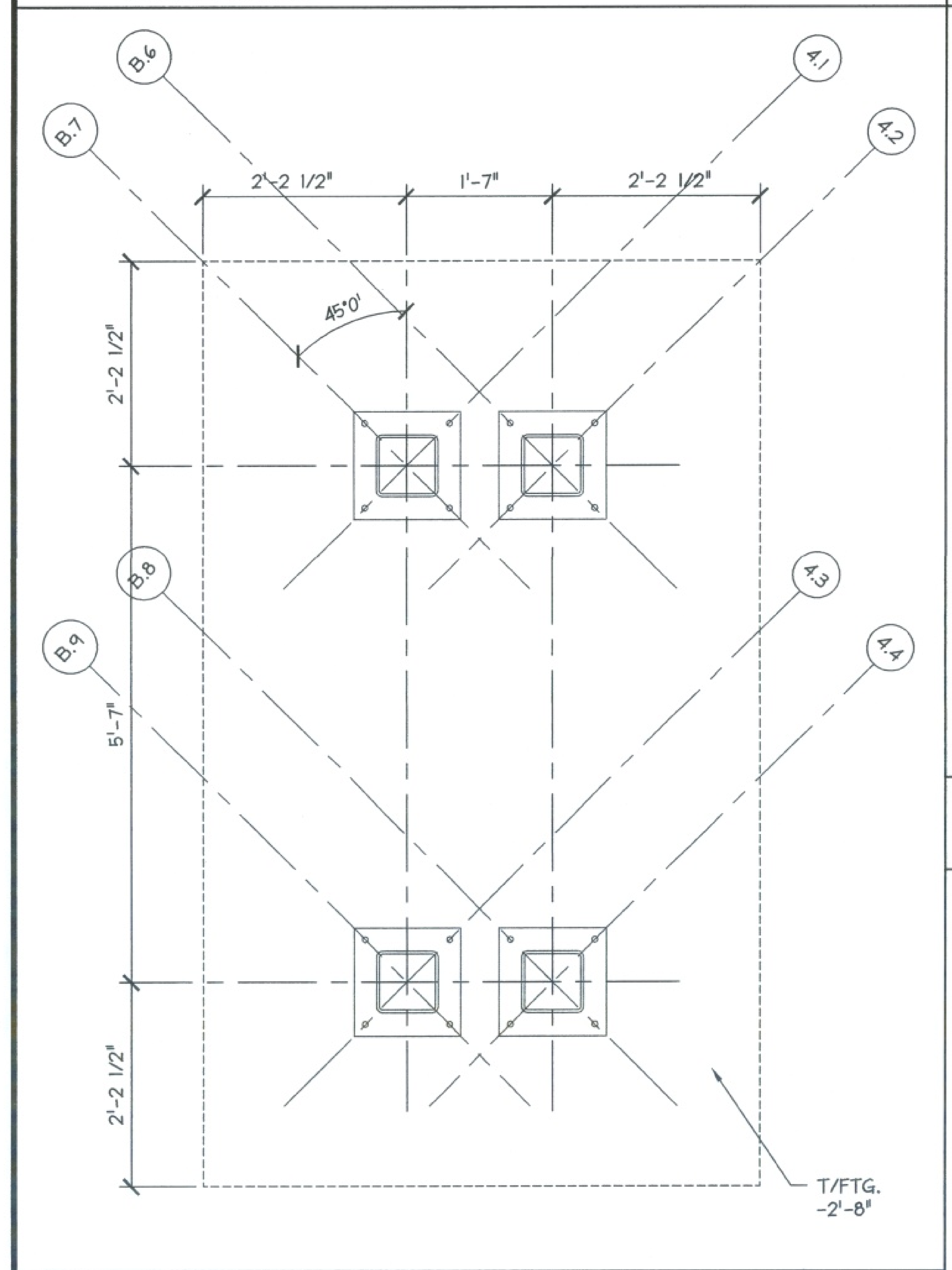
FOOTING DETAIL F2A
SCALE: 3/4"=1'-0" ftg-dt02



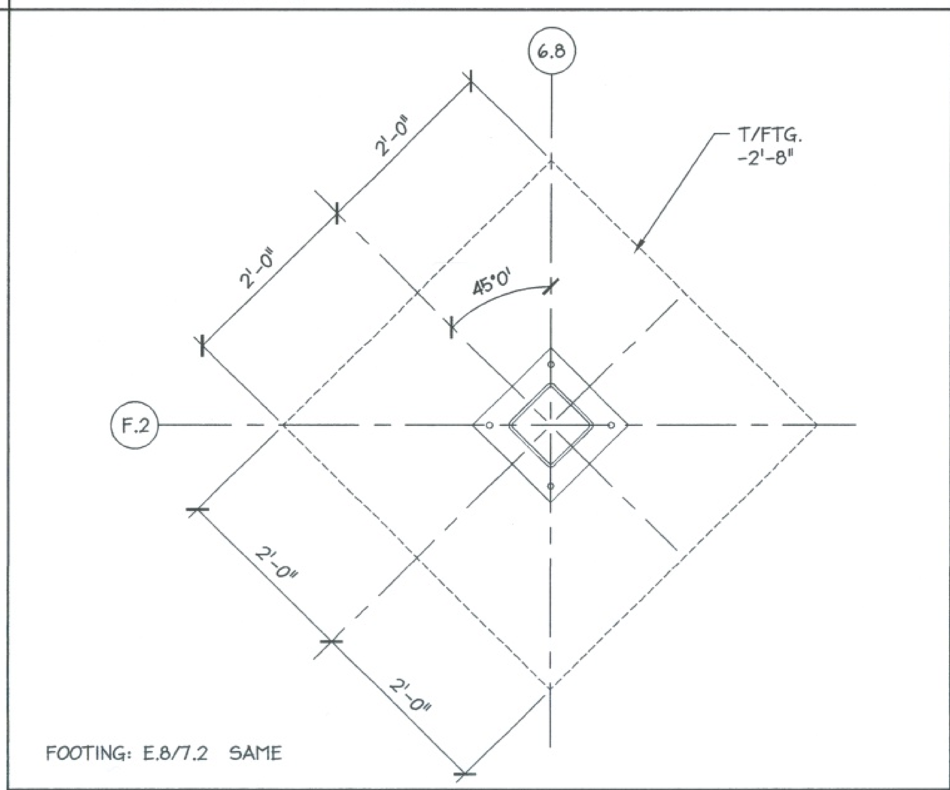
FOOTING DETAIL F2B
SCALE: 3/4"=1'-0" ftg-dt01



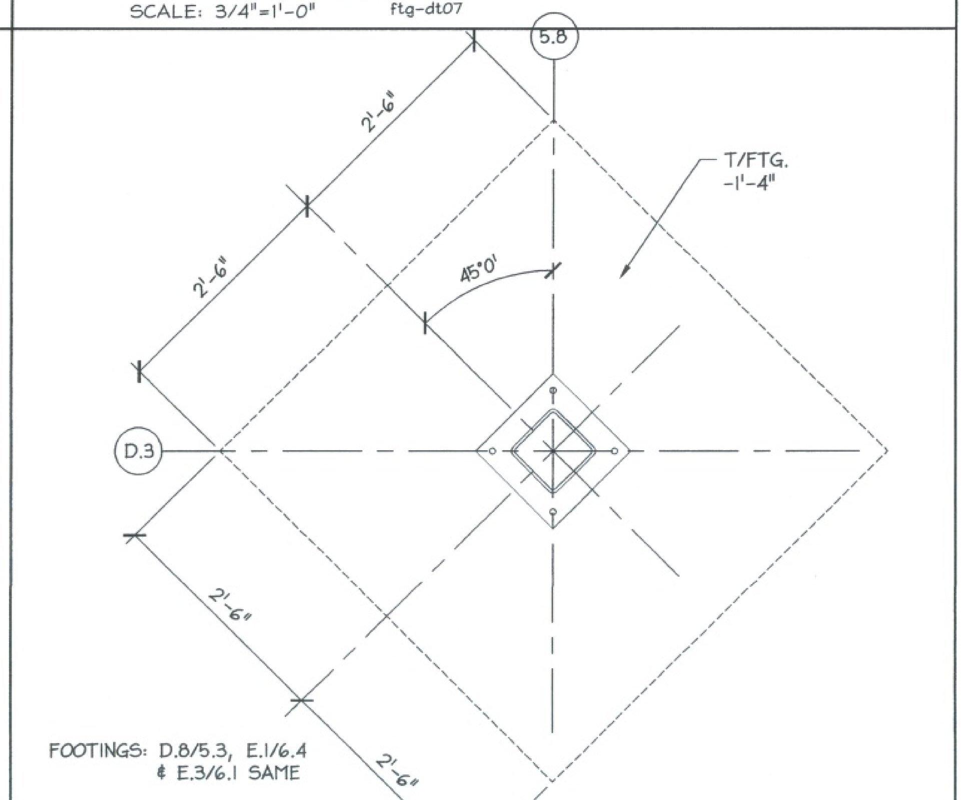
FOOTING DETAIL F3
SCALE: 3/4"=1'-0" ftg-dt07



FOOTING DETAIL F4
SCALE: 3/4"=1'-0" ftg-dt03



FOOTING DETAIL F1B
SCALE: 3/4"=1'-0" ftg-dt05



FOOTING DETAIL F2C
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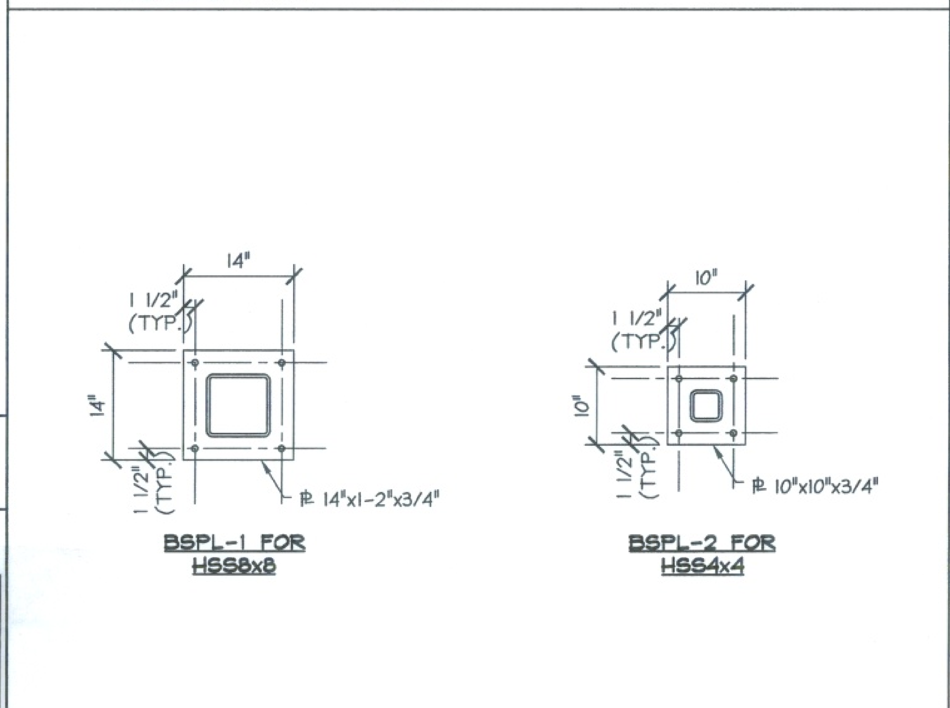
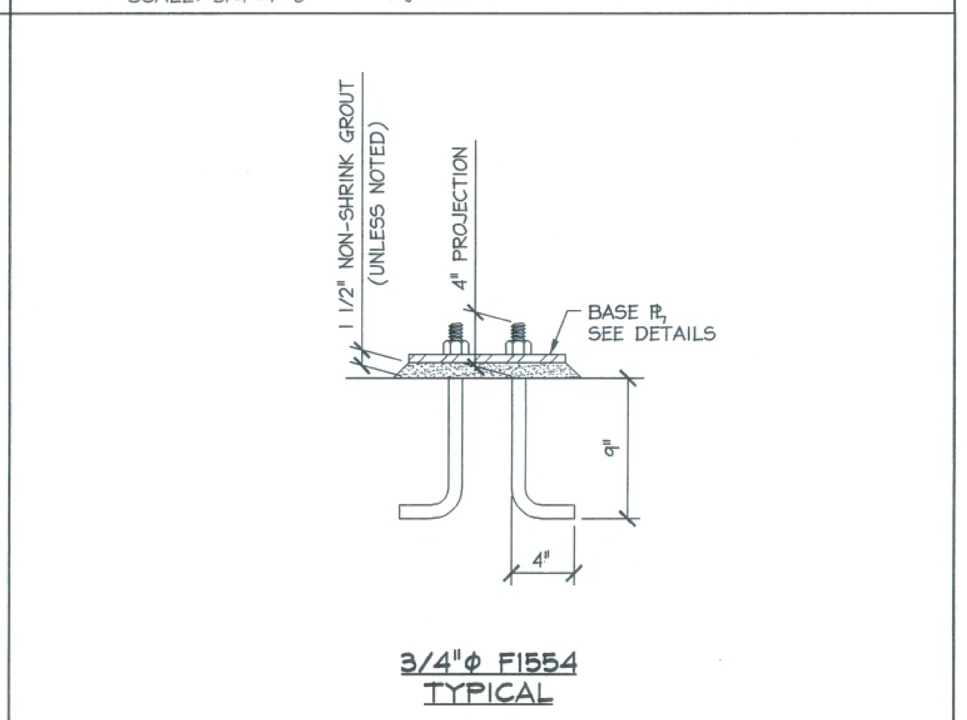
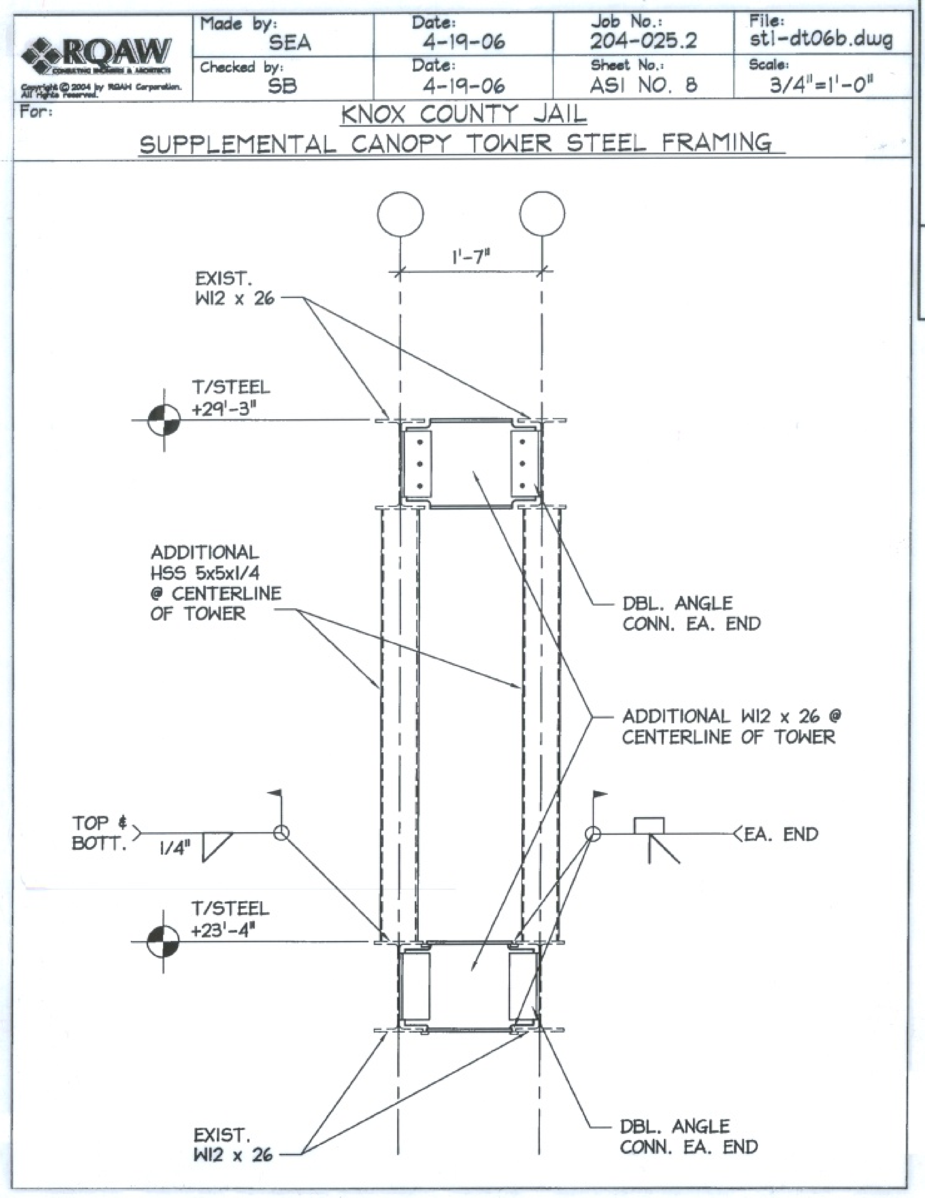
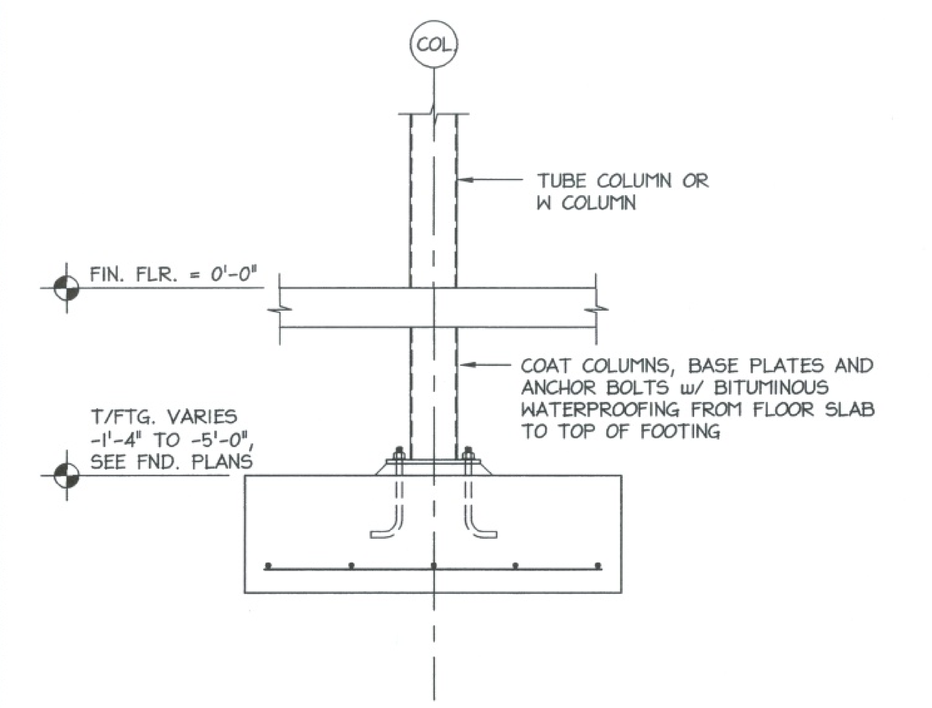


BASEPLATE DETAIL
SCALE: 3/4"=1'-0" bspl

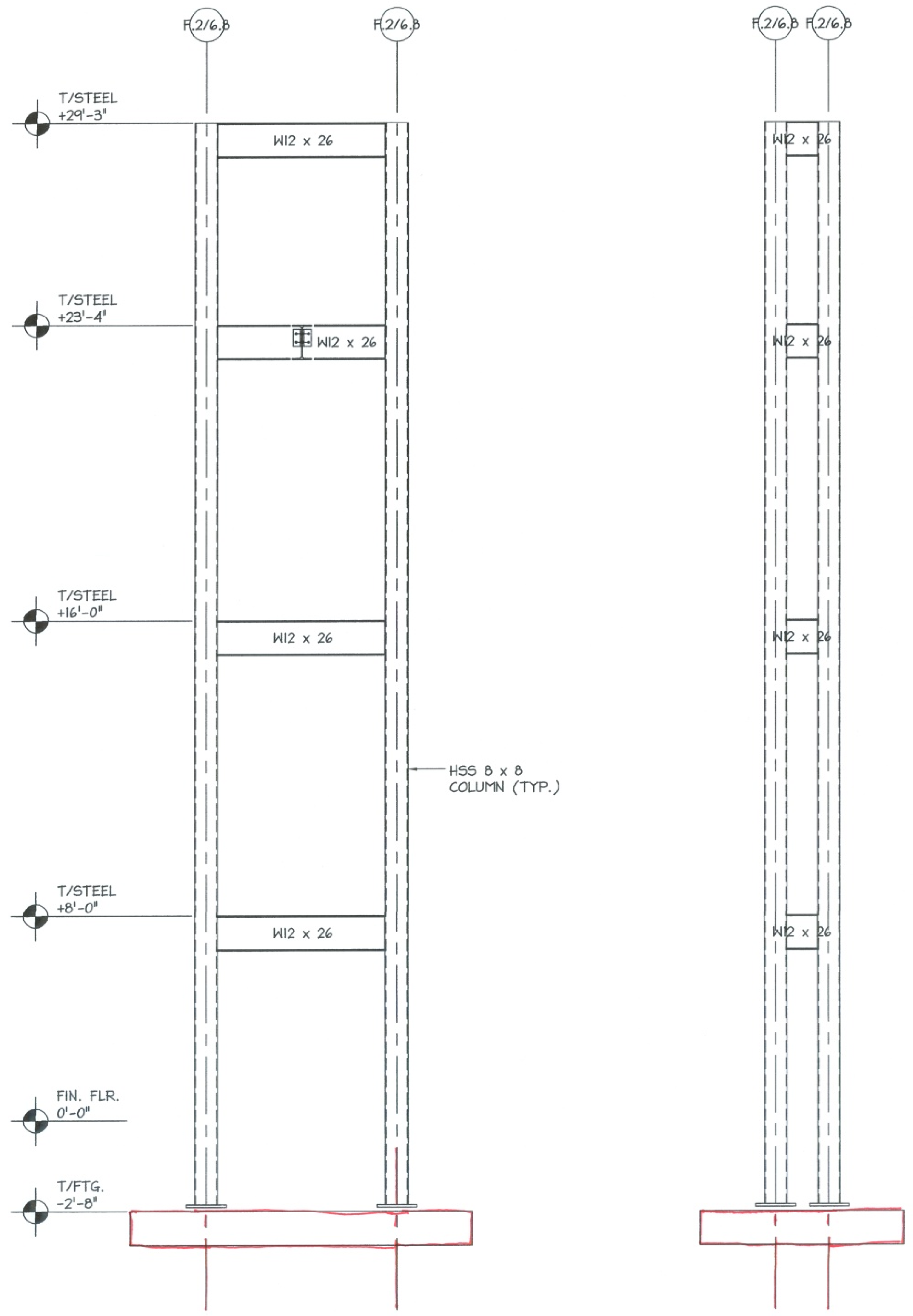


ANCHOR BOLT DETAIL
SCALE: 1 1/2"=1'-0" j-bolts

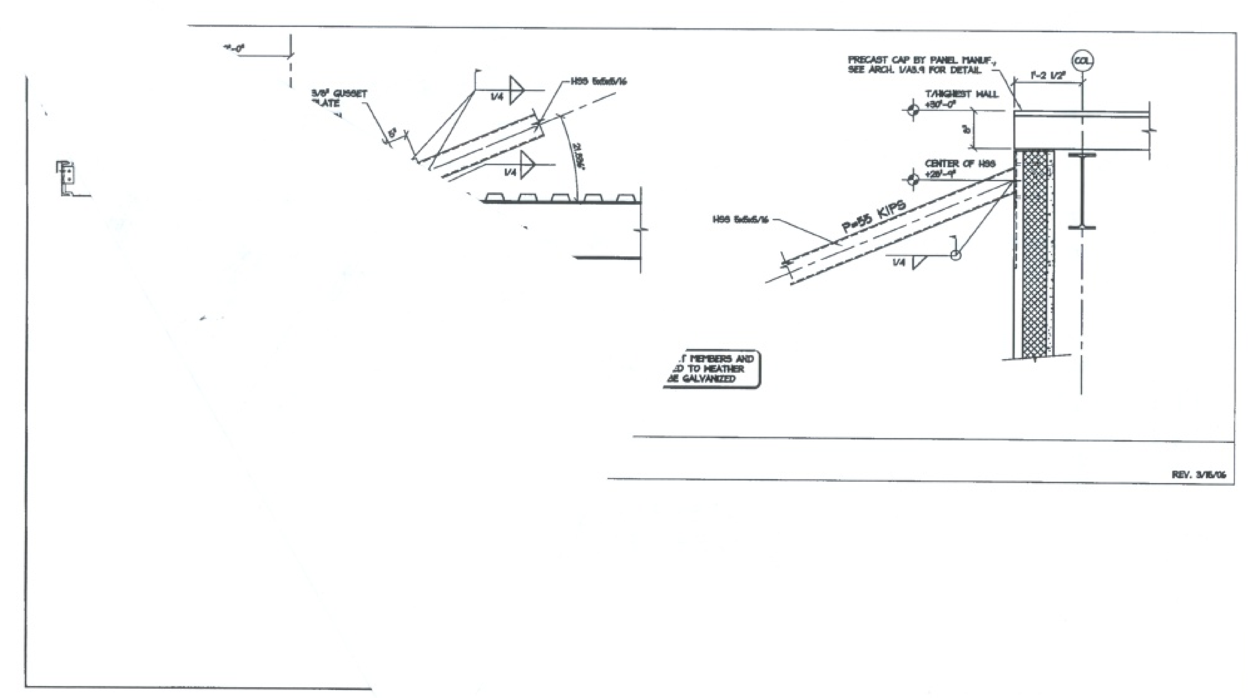




INTERIOR COLUMN WATERPROOFING
SCALE: 3/4"=1'-0" fnd-sel7



STEEL FRAMING ELEVATION
(WEST SIDE ROOF SUPPORT TOWER)
SCALE: 3/8"=1'-0"



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sym	revisions	date

scale:
GRAPHIC SCALE

RICHARD T. O'CONNOR REGISTERED No. 17778 STATE OF INDIANA PROFESSIONAL ENGINEER
5-4-05

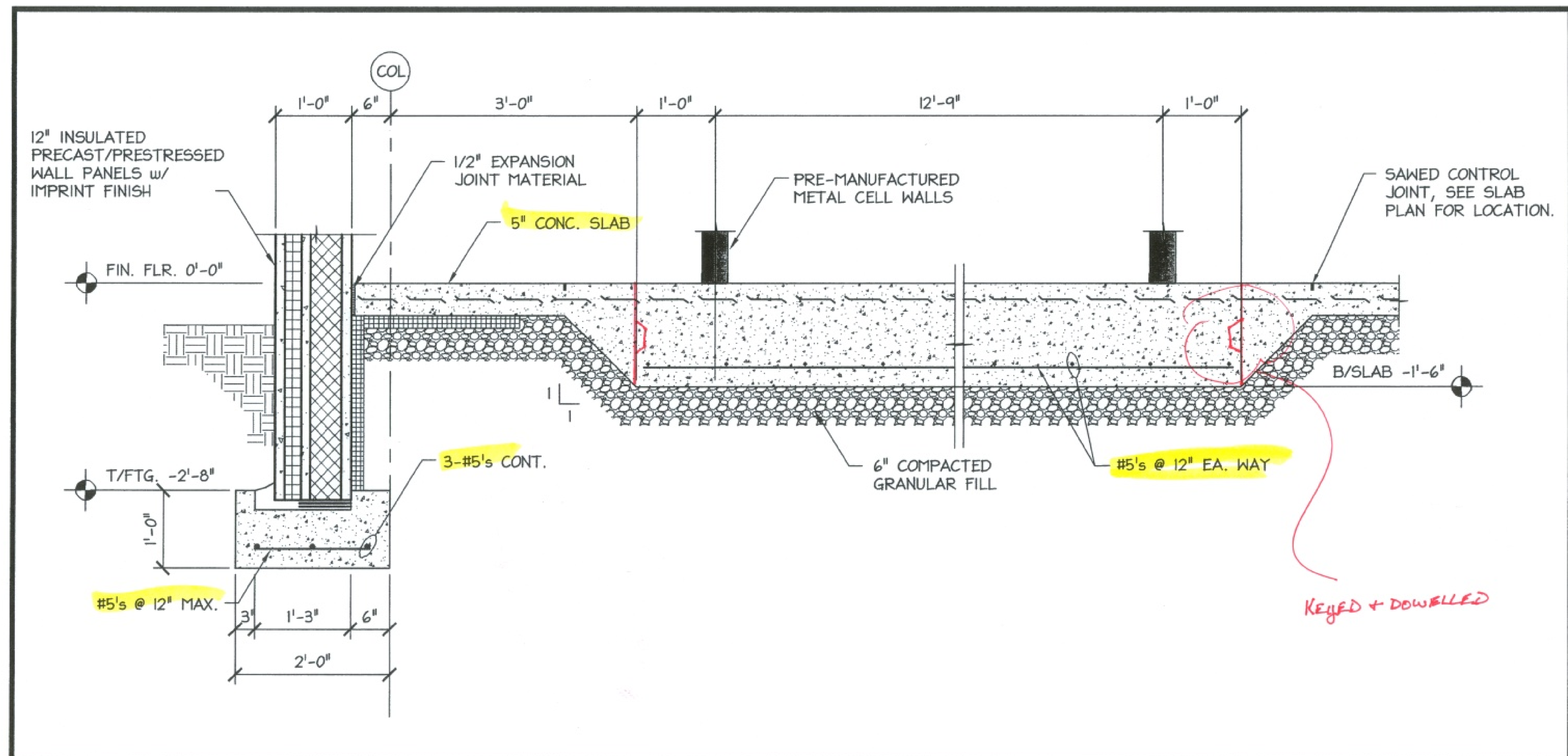
job#	204-025.2
contract#	204-025.2
designed:	BLB
drawn:	SEA
checked:	
date:	05/06/05

FOUNDATION SECTIONS & DETAILS

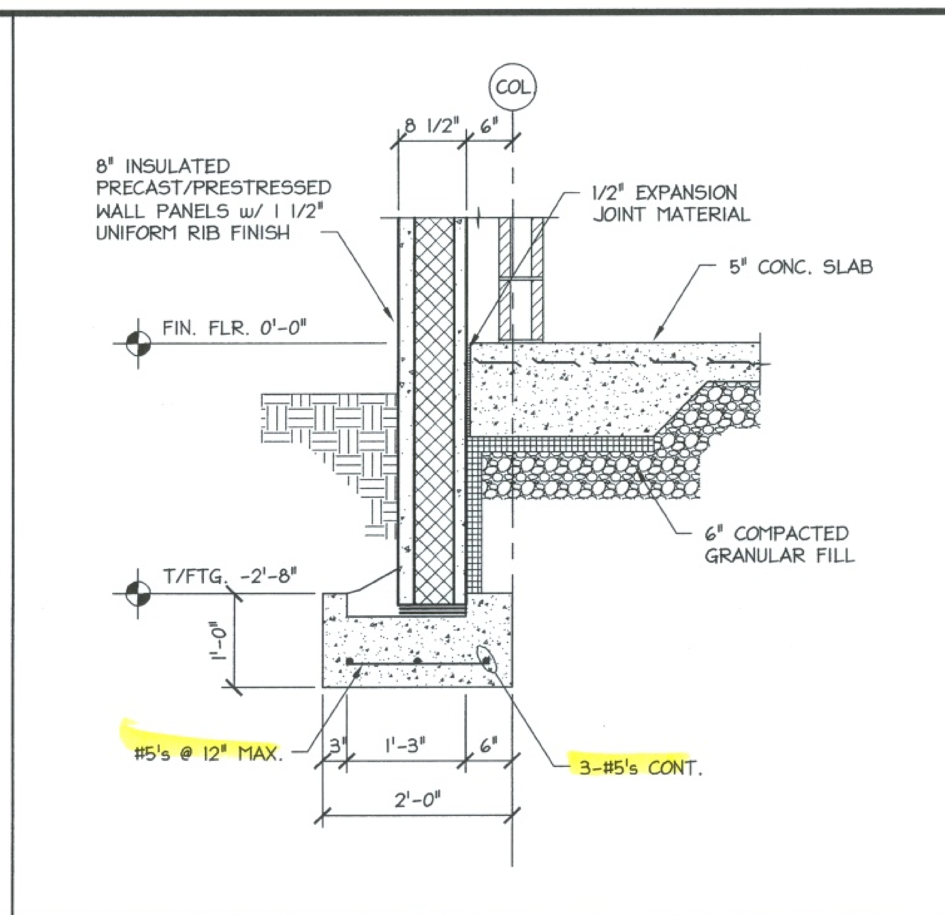
KNOX COUNTY JAIL

VINCENNES, INDIANA

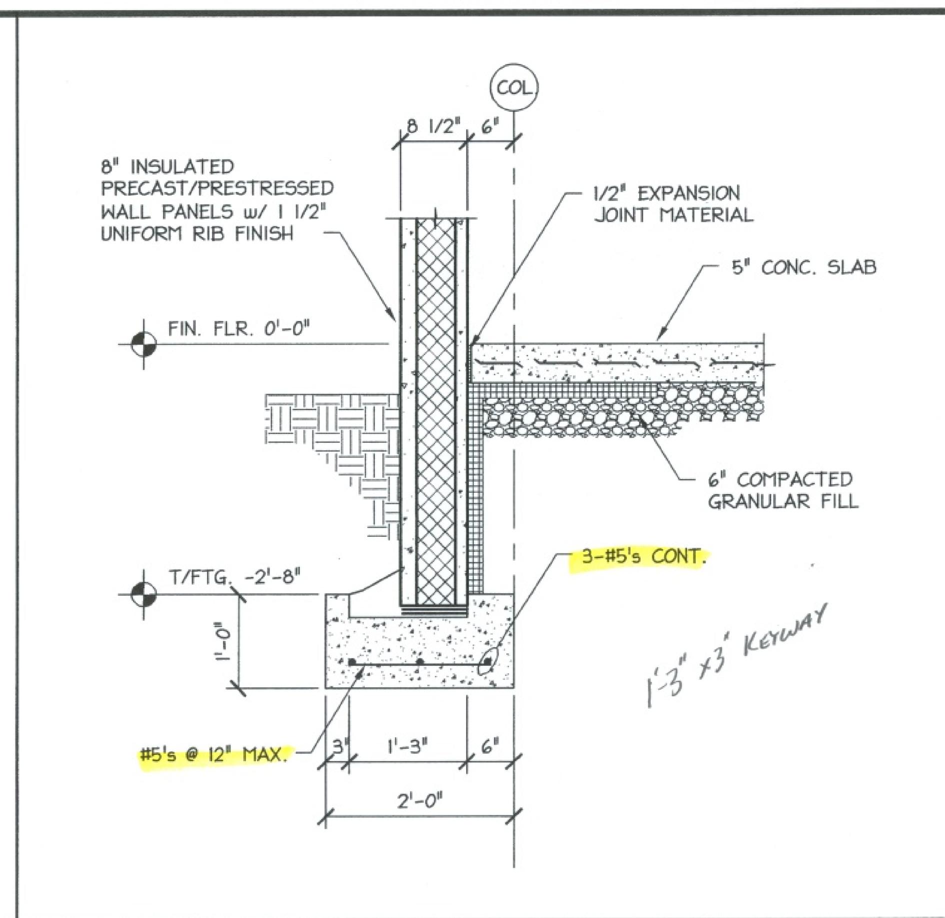
SHEET
S3.0
OF



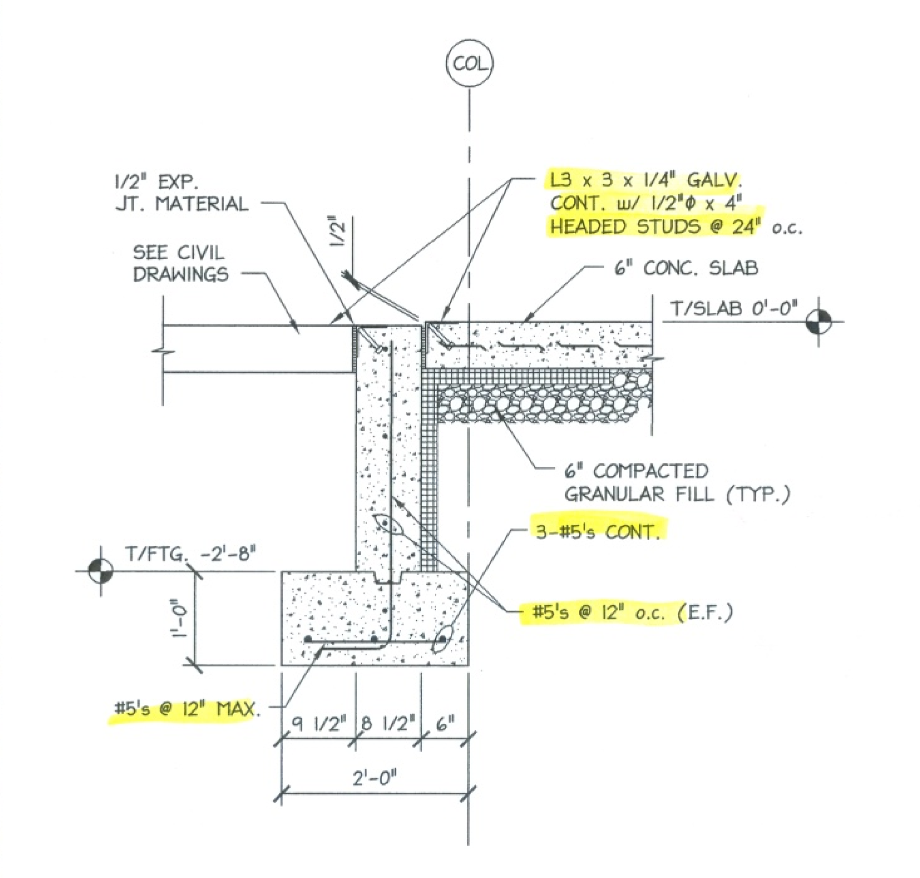
1 SECTION
SCALE: 3/4"=1'-0" fnd-se05



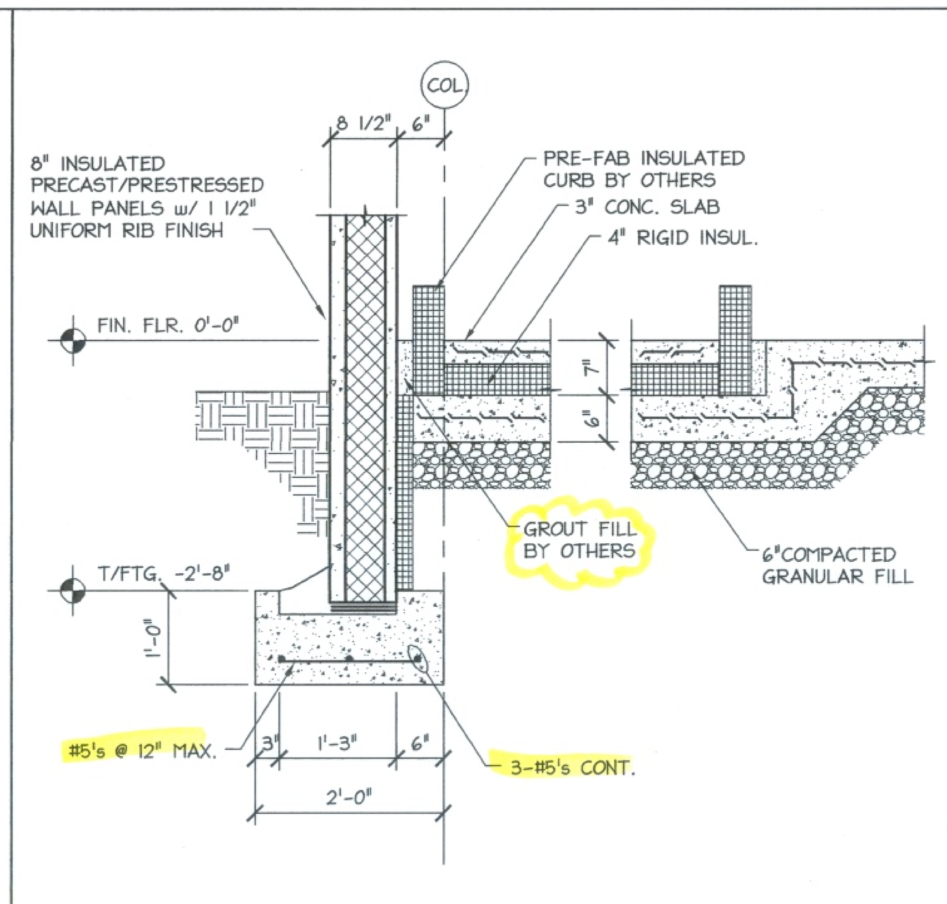
2 SECTION
SCALE: 3/4"=1'-0" fnd-se02



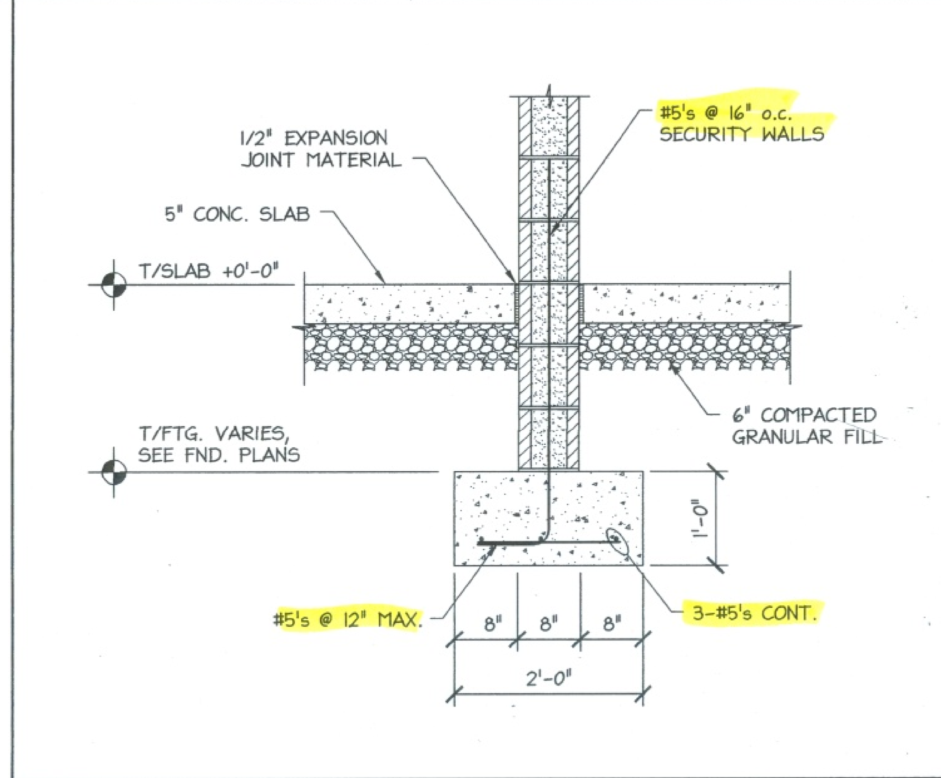
3 SECTION
SCALE: 3/4"=1'-0" fnd-se01



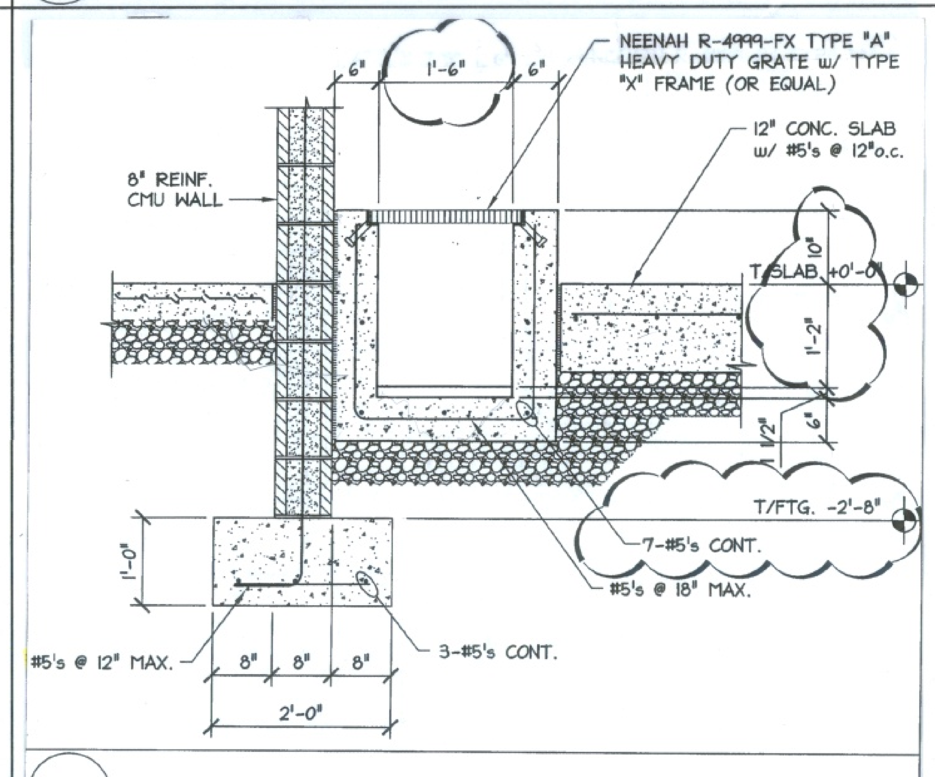
4 SECTION
SCALE: 3/4"=1'-0" fnd-se08



5 SECTION
SCALE: 3/4"=1'-0" fnd-se09



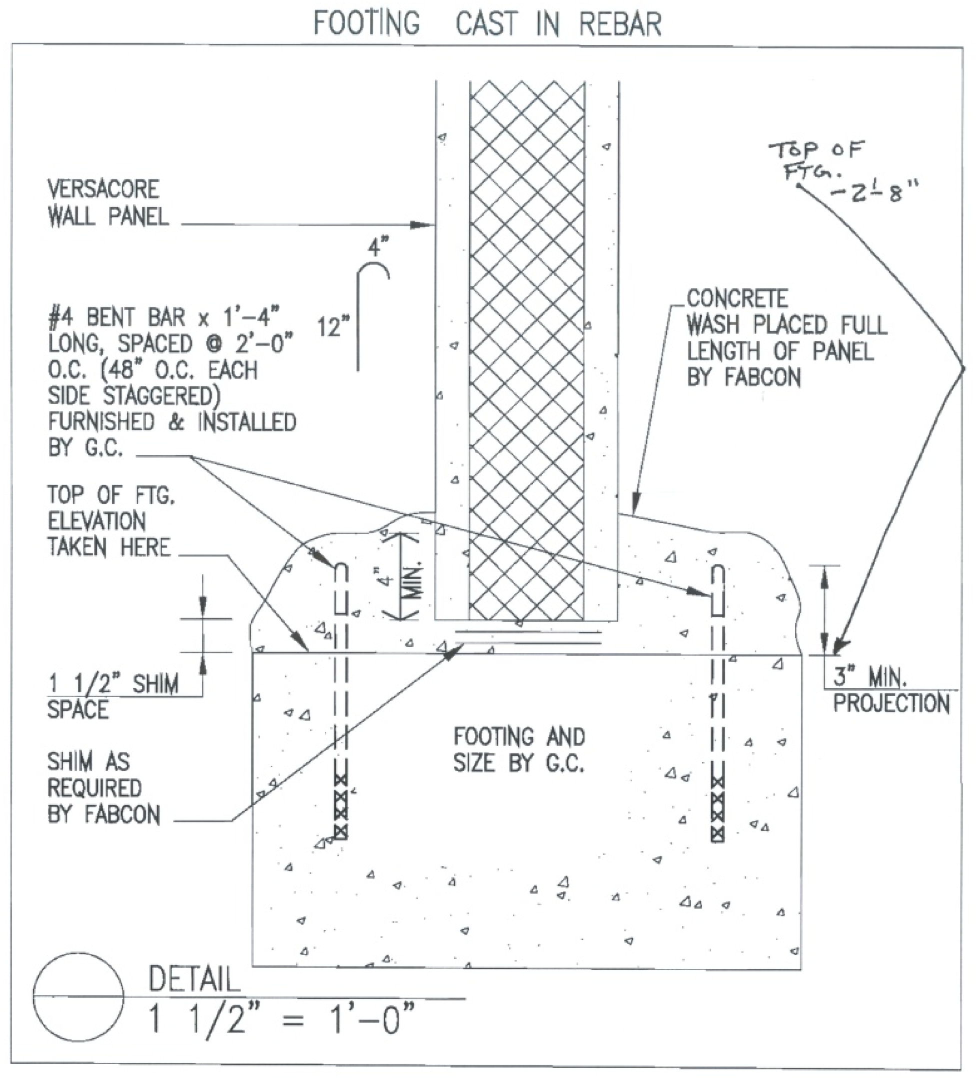
6 SECTION
SCALE: 3/4"=1'-0" fnd-se04



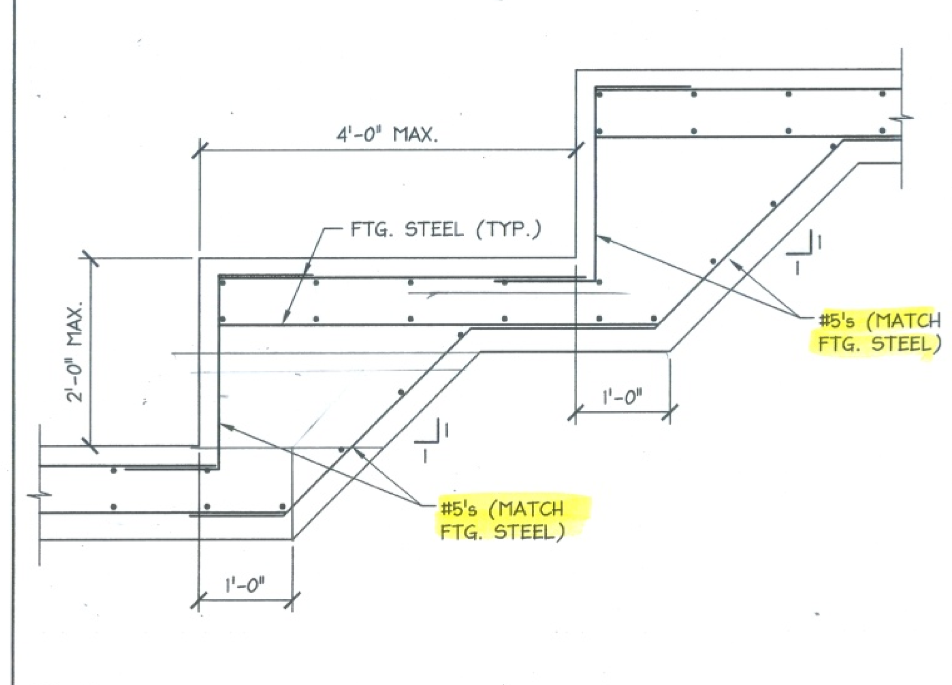
7 SECTION
SCALE: 3/4"=1'-0" fnd-se03 REV. 12-22-05 (ASI #3)
SCALE: 3/4"=1'-0" fnd-se03

REVISED TYPICAL FOOTING DETAIL

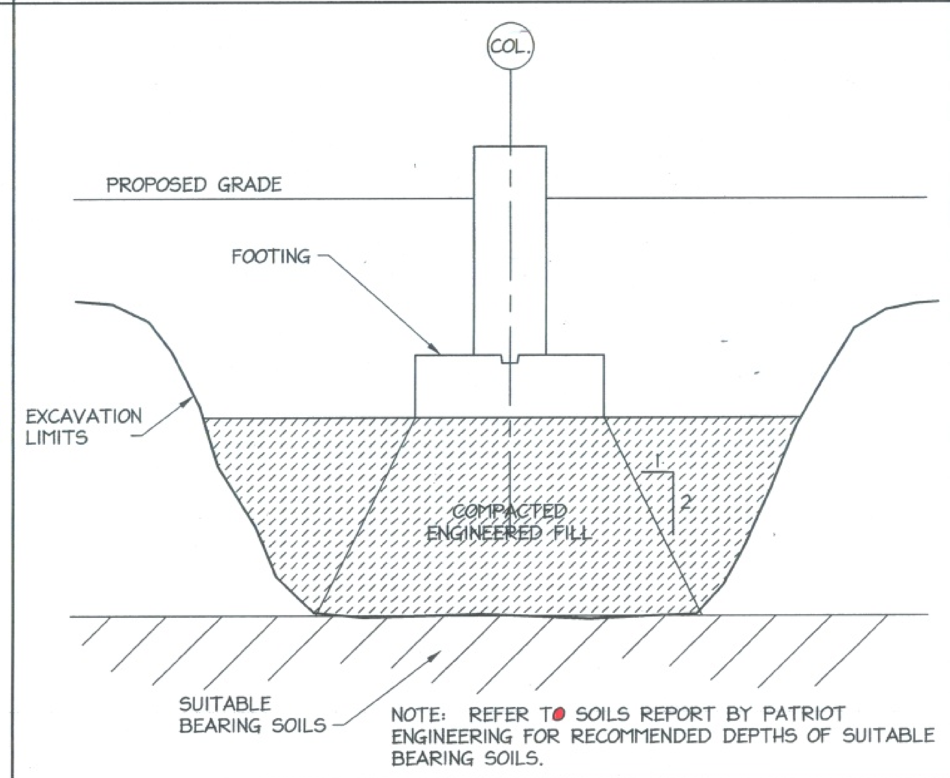
FOOTING CAST IN REBAR



DETAIL
1 1/2" = 1'-0"



STEP FOOTING DETAIL
SCALE: 3/4"=1'-0" step-ftg



FOOTING EXCAVATION IN UNDERCUT AREAS
SCALE: 1/2"=1'-0" fnd-se24

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RICHARD T. O'CONNOR
No. 17778
STATE OF INDIANA
REGISTERED PROFESSIONAL ENGINEER
5-4-05

job:	204-025.2
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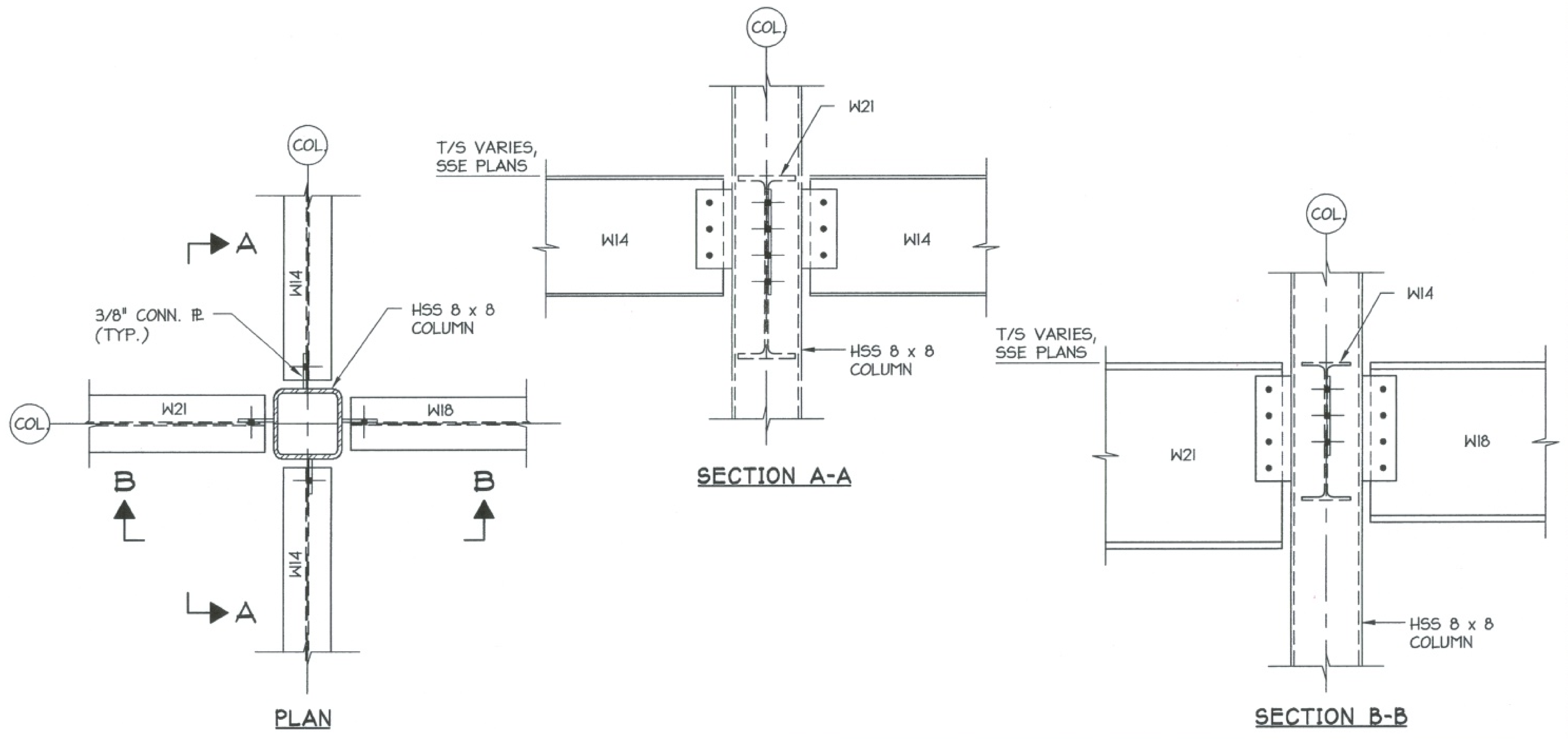
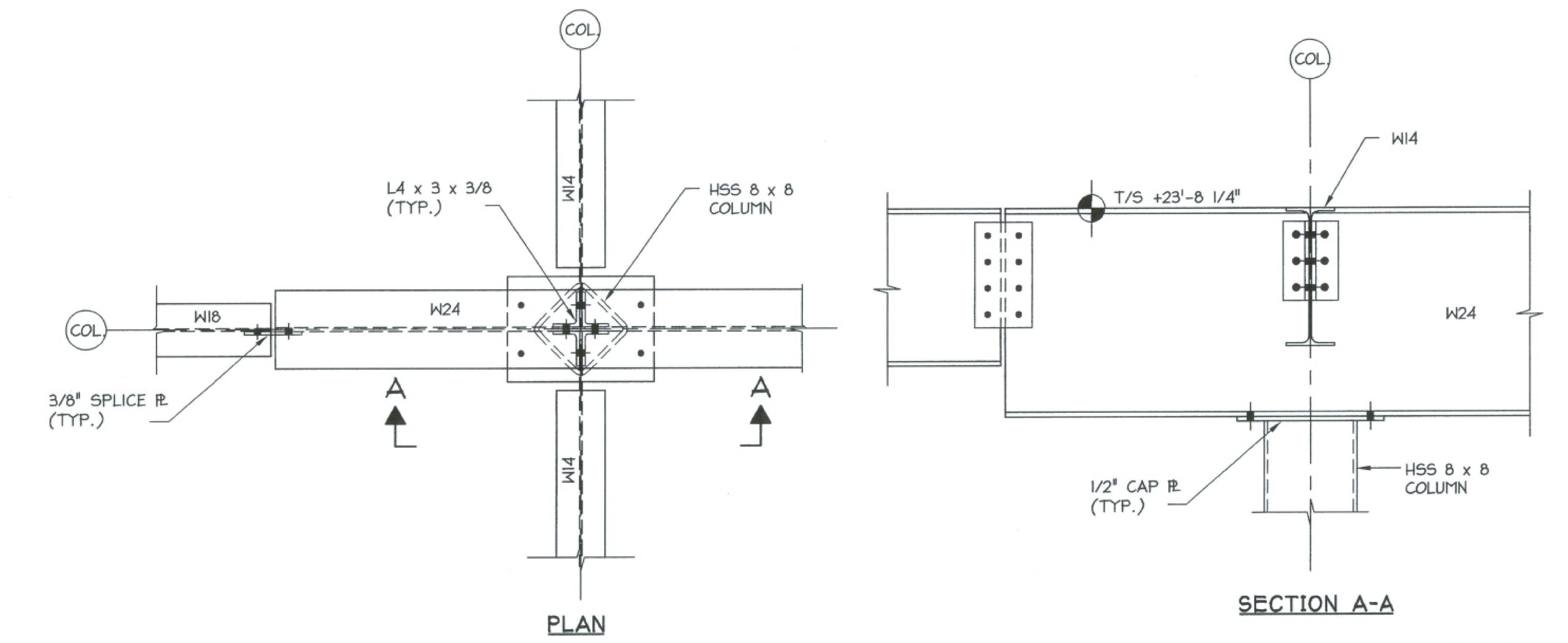
FOUNDATION SECTIONS & DETAILS
KNOX COUNTY JAIL
VINCENNES, INDIANA

SHEET
S3.1
OF



A DETAIL
SCALE: 1"=1'-0" stl-dt02



B DETAIL
SCALE: 1"=1'-0" stl-dt01

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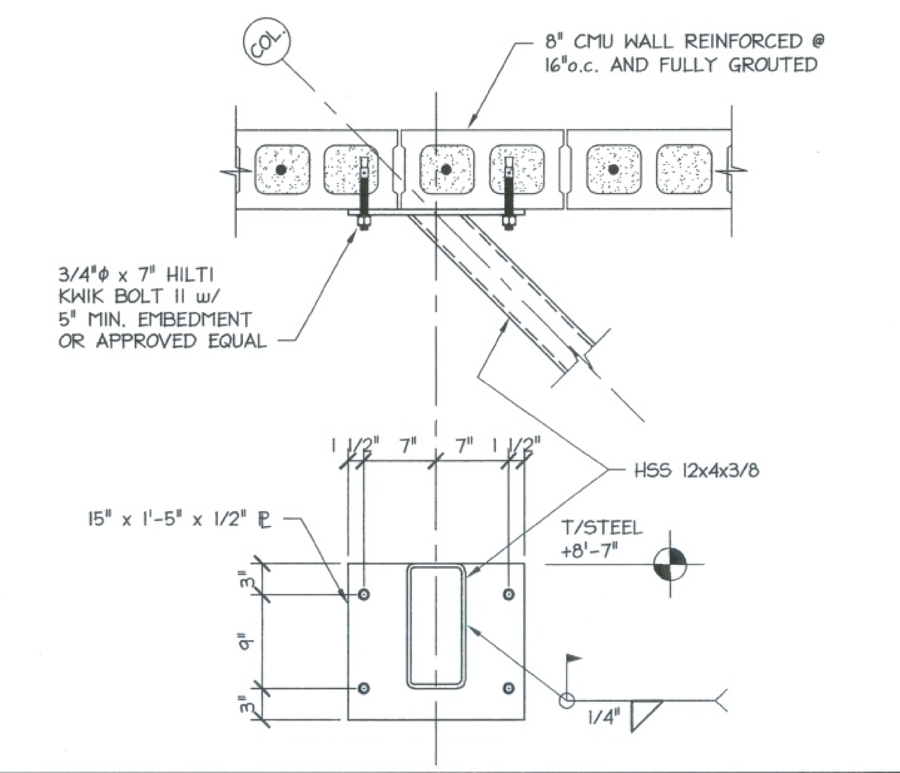
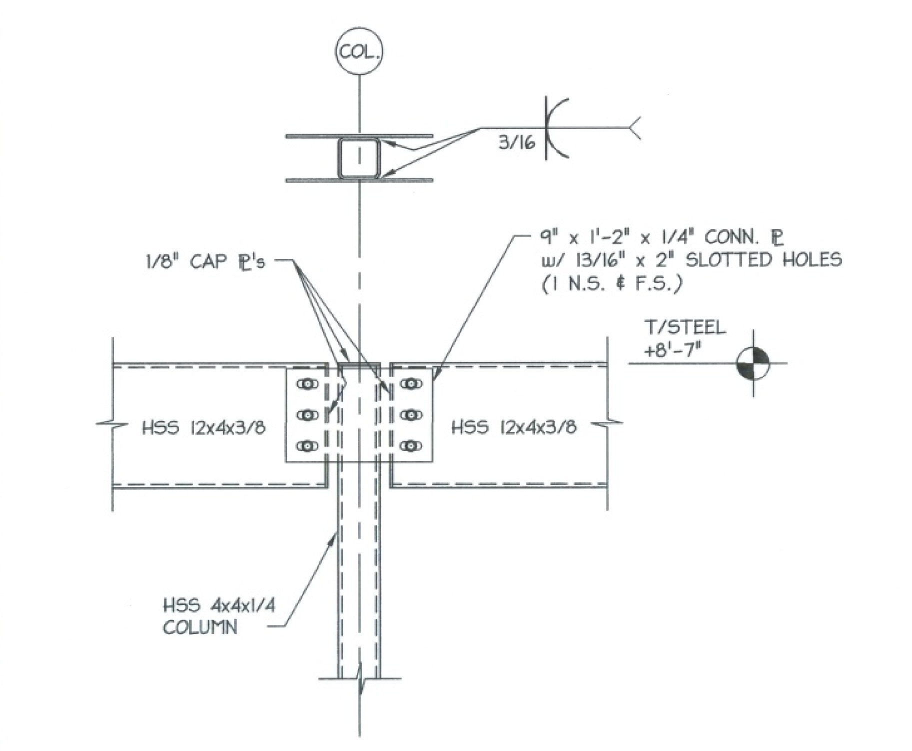
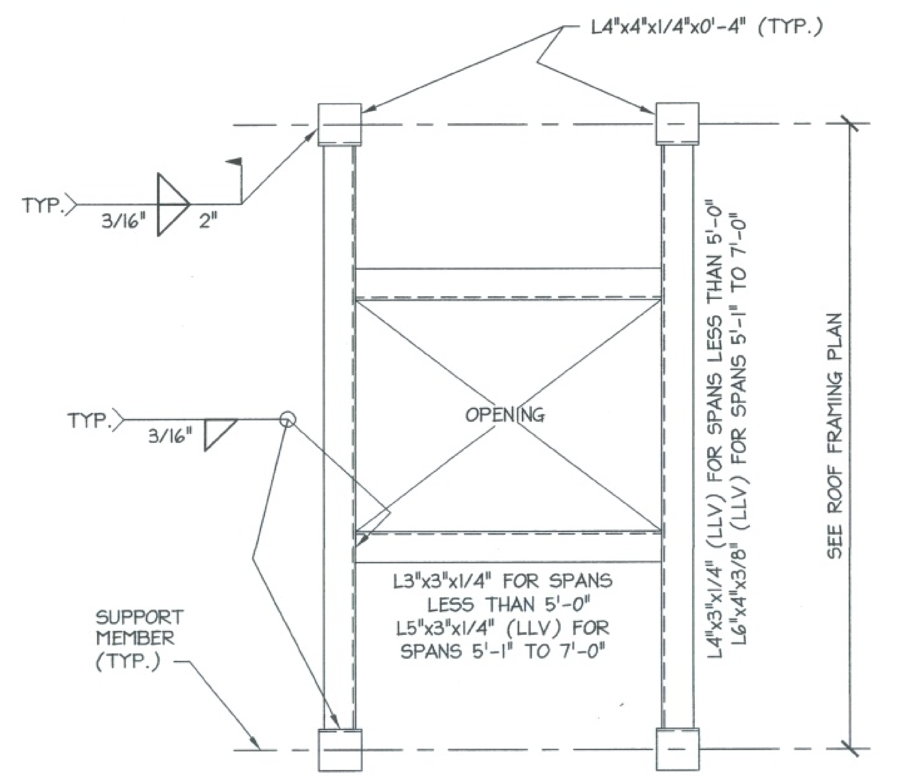


C DETAIL
SCALE: 1"=1'-0" stl-dt04

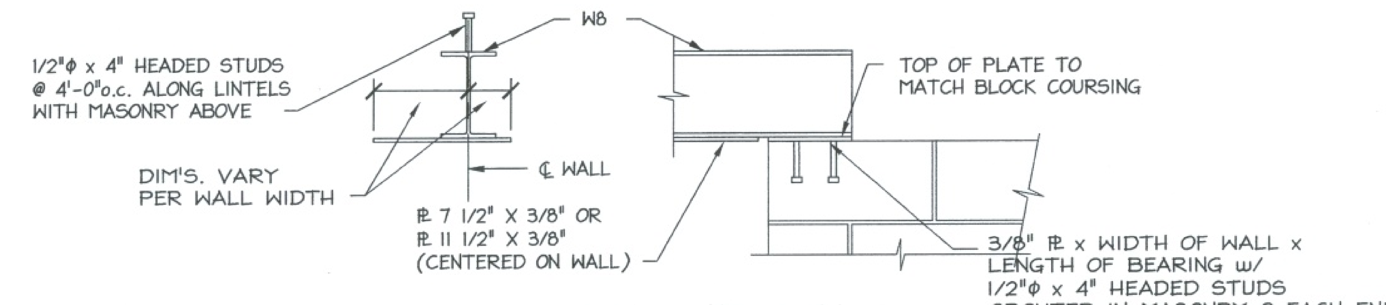


D DETAIL
SCALE: 1"=1'-0" stl-dt05



NOTE: PROVIDE ANGLE FRAME AROUND ALL OPENINGS WITH ANY DIMENSION 18" OR LARGER. VERIFY OPENING SIZE AND LOCATION WITH VARIOUS TRADES.

ROOF OPENING FRAMING DETAIL
SCALE: 1"=1'-0" roof-opg

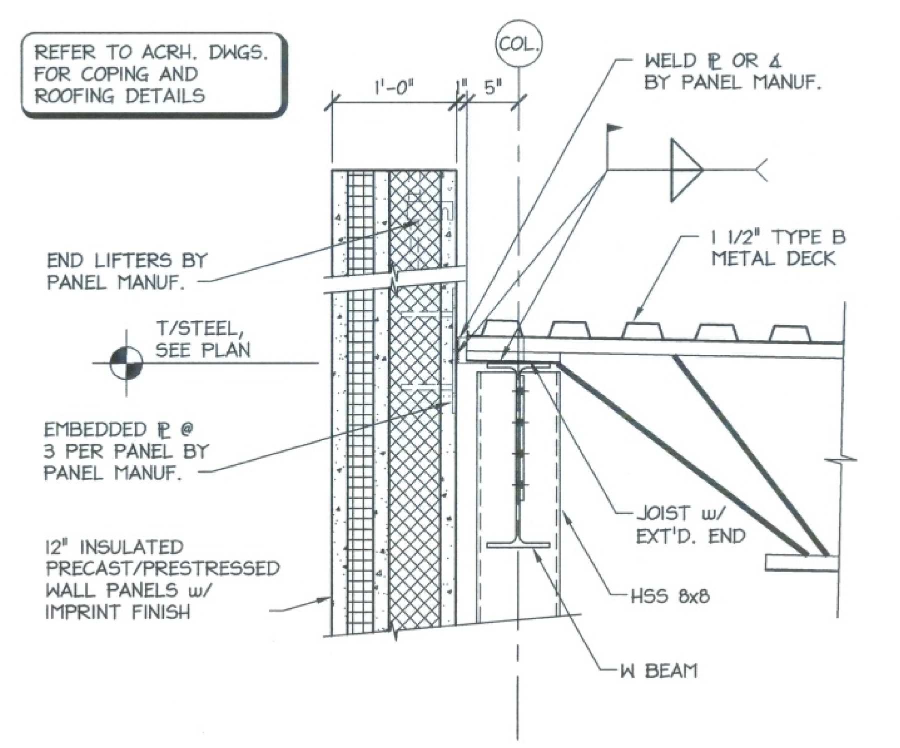


TYPICAL LINTEL DETAILS

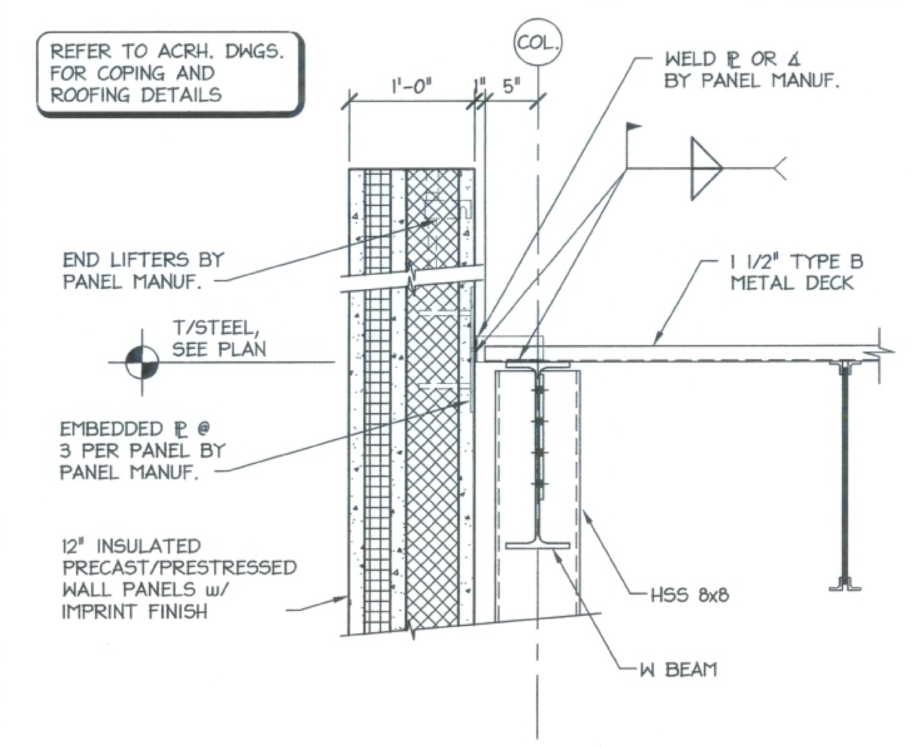
MARK	TYPE	OPENING	END BEARING	COMMENTS	BRG. ELEVATION
L1	PRECAST	0' to 6'-0"	GROUT 8" FULL HEIGHT - (4" BRG.)	PRECAST SIZE TO MATCH WALL WIDTH (IE: 7 5/8" x 7 5/8" OR 11 5/8" x 11 5/8") REINFORCE WITH 2 - #4 TOP & BOTTOM	COOR'D. w/ ARCHITECTURAL
L2	W8 x 10	5'-0" to 9'-6"	GROUT 12" FULL HEIGHT - (8" BRG.)	BOTTOM ℞ 3/8" x WALL WIDTH MINUS 1/2"	COOR'D. w/ ARCHITECTURAL
L3	W8 x 21	9'-6" to 14'-6"	GROUT 16" FULL HEIGHT - (12" BRG.)	BOTTOM ℞ 3/8" x WALL WIDTH MINUS 1/2"	COOR'D. w/ ARCHITECTURAL
L4	W8 x 28	14'-6" to 16'-0"	GROUT 16" FULL HEIGHT - (12" BRG.)	BOTTOM ℞ 3/8" x WALL WIDTH MINUS 1/2"	COOR'D. w/ ARCHITECTURAL

NOTES:
- GROUT CORES SOLID FOR FULL BEARING WIDTH.
- WHERE BEARING LENGTH IS NOT POSSIBLE, PROVIDE A #5 IN EVERY CORE FOR FULL BEARING LENGTH, OR FRAME INTO STRUCTURAL COLUMN.
- FOR 4" CMU or BRICK LINTELS < 6'-4" SPANS USE L5" x 3 1/2" x 5/16" (LLH)
- FOR 4" CMU or BRICK LINTELS 6'-4" TO 8'-8" SPANS USE L5" x 5" x 5/16"

LINTEL SCHEDULE
SCALE: 1"=1'-0" lntl-sch



1 SECTION
SCALE: 1"=1'-0" stl-se05



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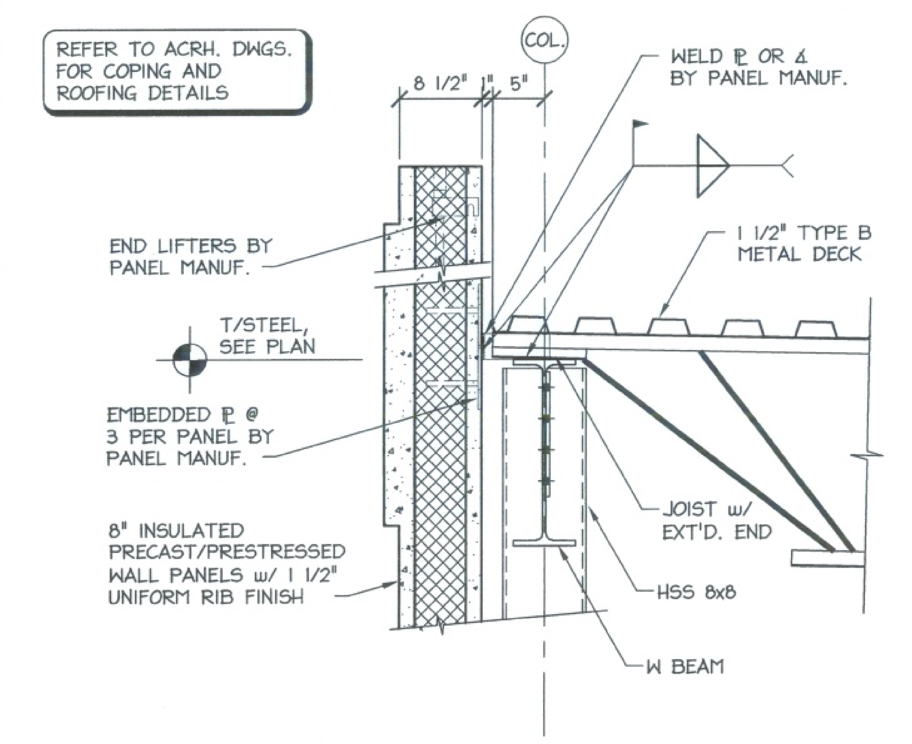

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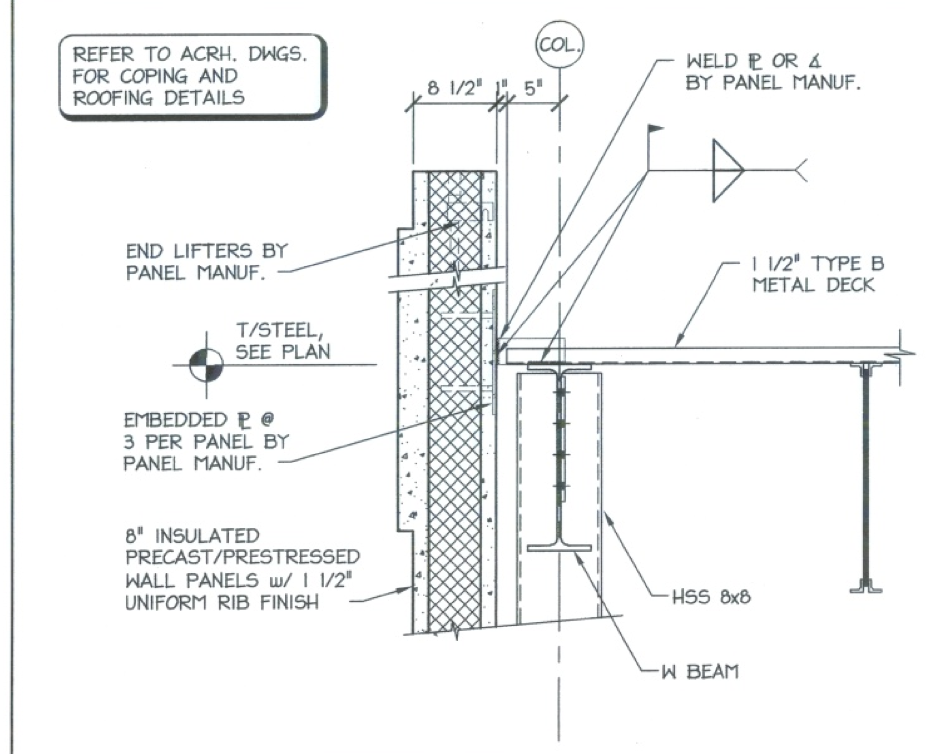

4 SECTION
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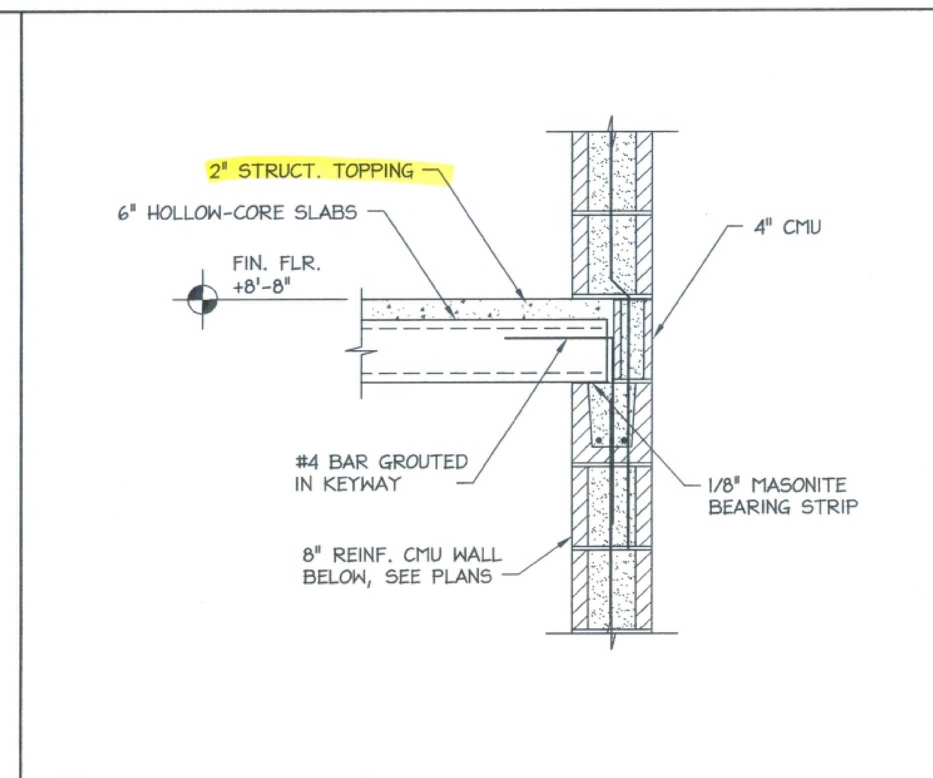

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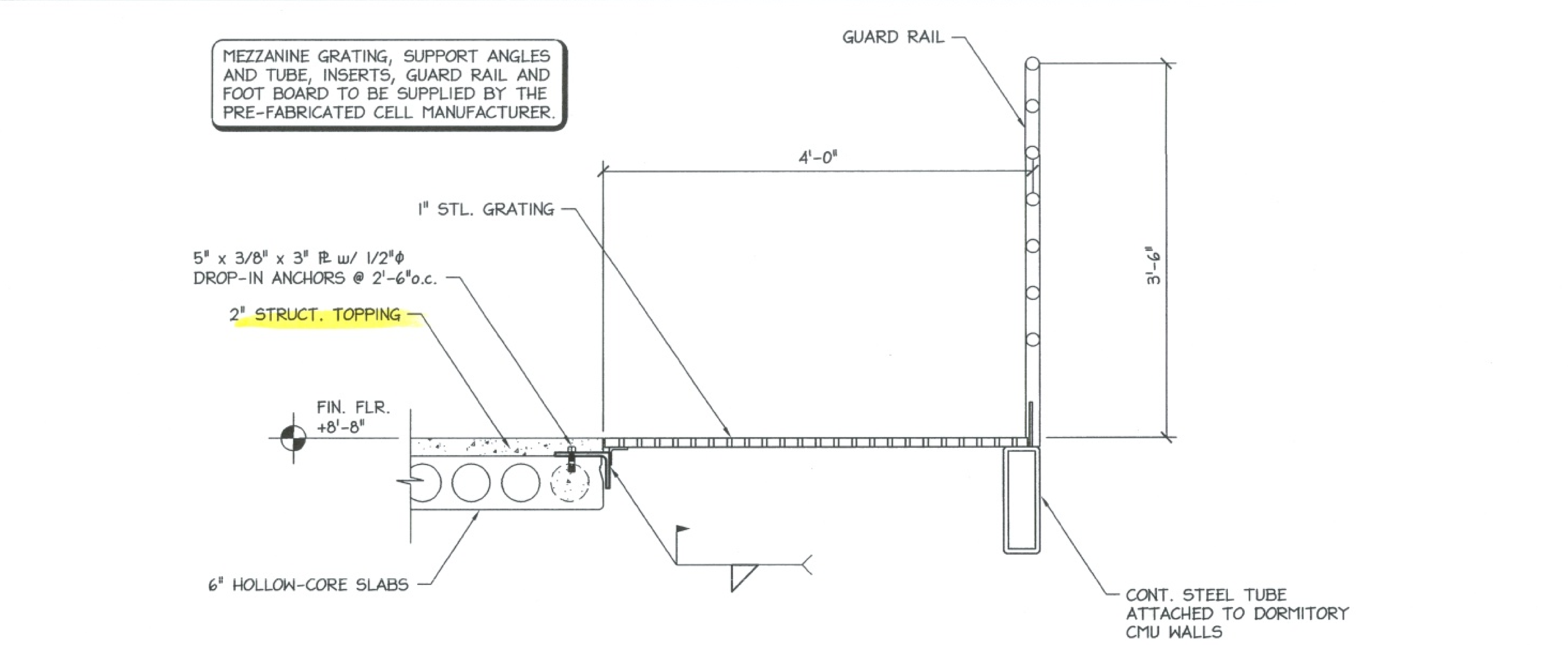

6 SECTION
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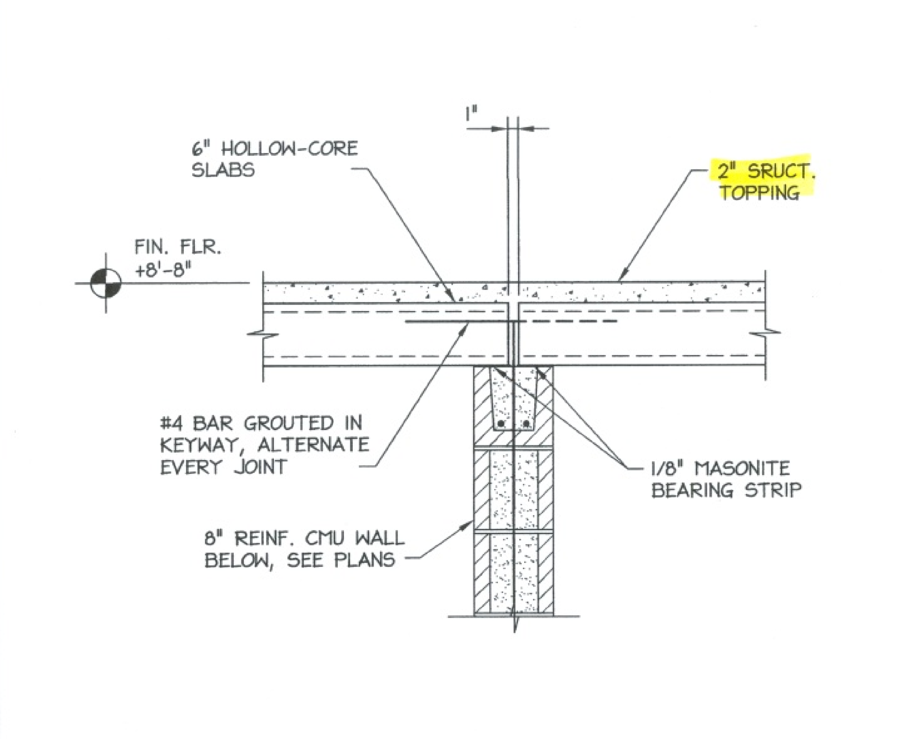

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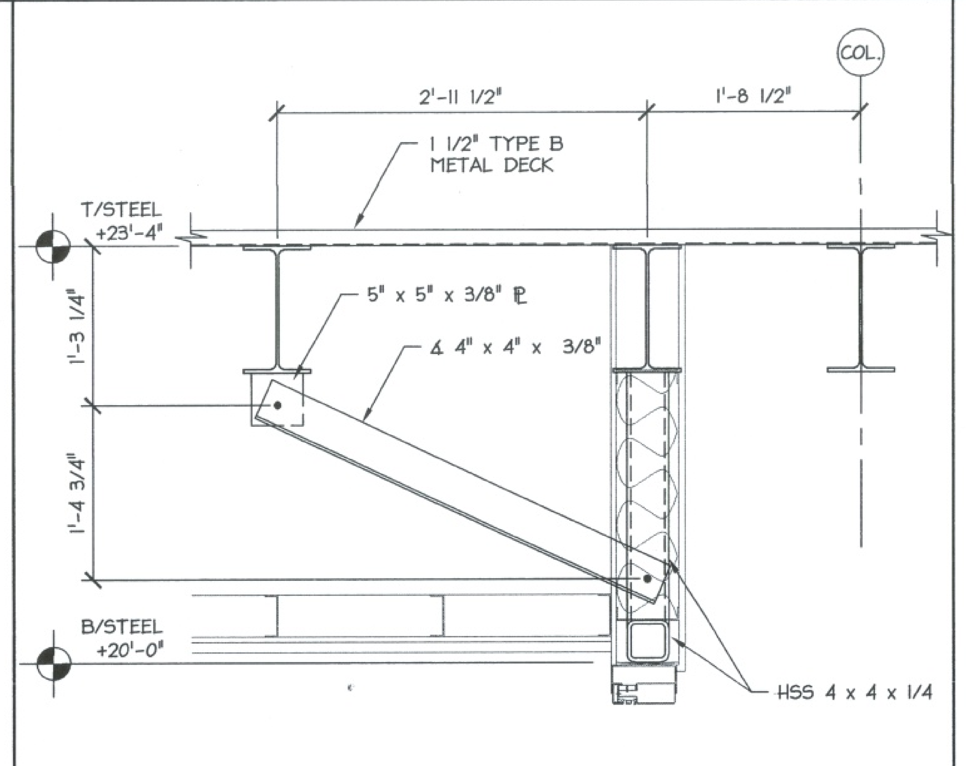
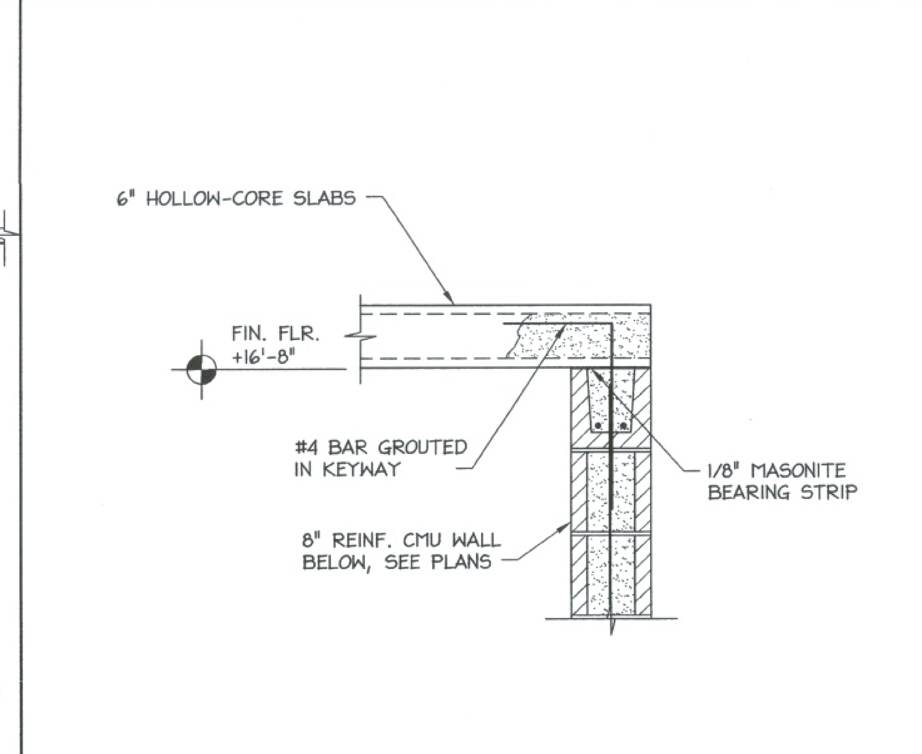


8 SECTION
SCALE: 1"=1'-0" stl-se06



9 SECTION
SCALE: 1" = 1'-0" pc-se04.dwg

date	sym	revisions

scale:
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GRAPHIC SCALE

RICHARD T. O'CONNOR REGISTERED No. 17778 STATE OF INDIANA PROFESSIONAL ENGINEER
5-4-05

job#	204-025.2
contract#	204-025.2
designed:	BLB
drawn:	SEA
checked:	
date:	05/06/05

STRUCTURAL SECTIONS & DETAILS

KNOX COUNTY JAIL

VINCENNES, INDIANA

SHEET
S3.2
OF

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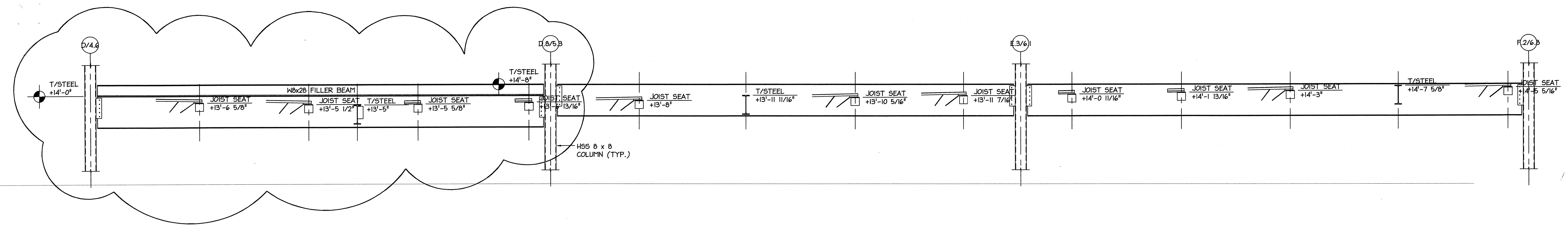
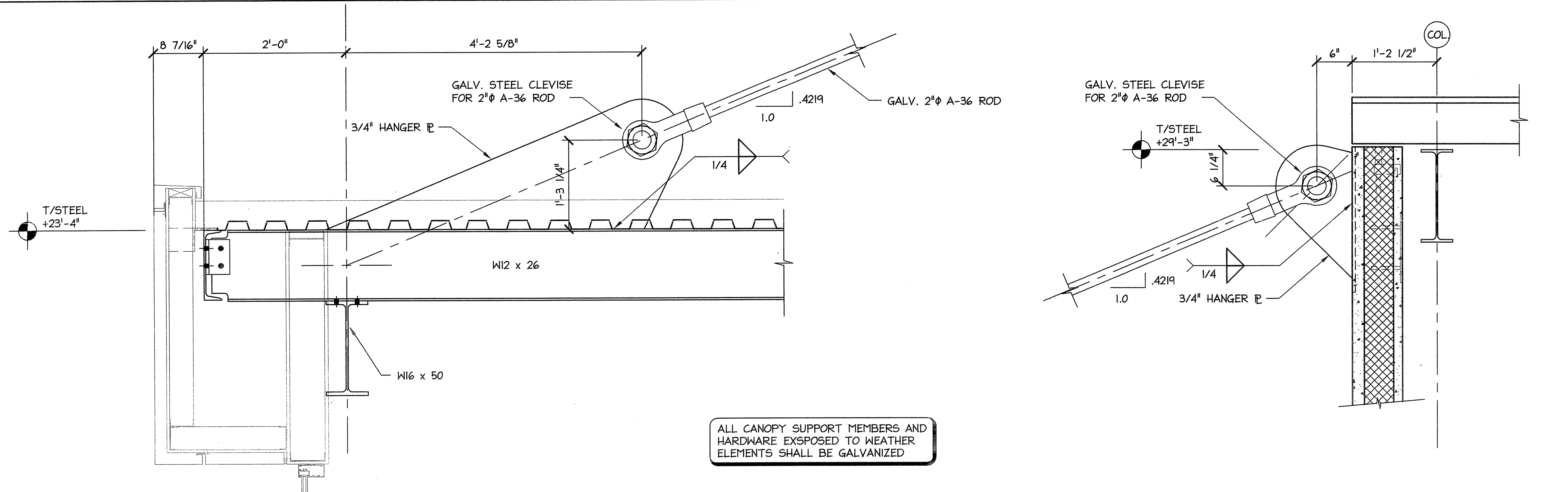


STEEL FRAMING ELEVATION (WEST SIDE LOBBY)
SCALE: 3/8"=1'-0"



1 SECTION
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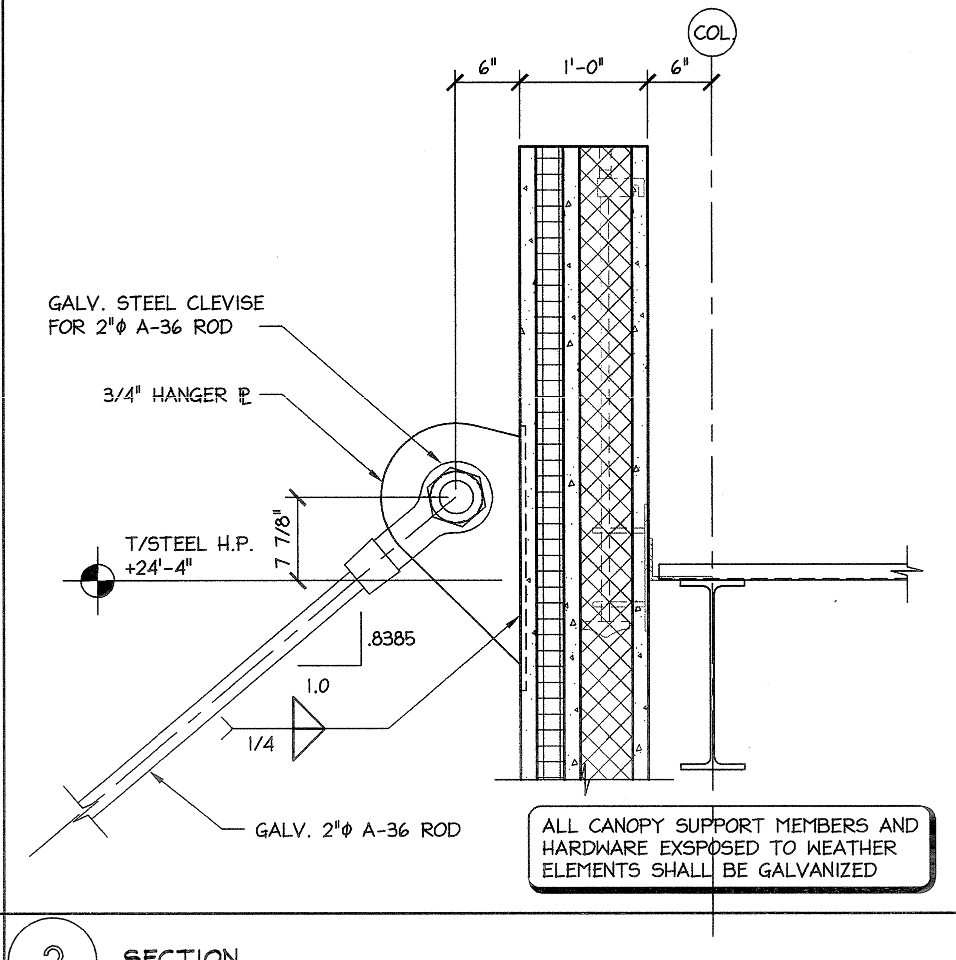

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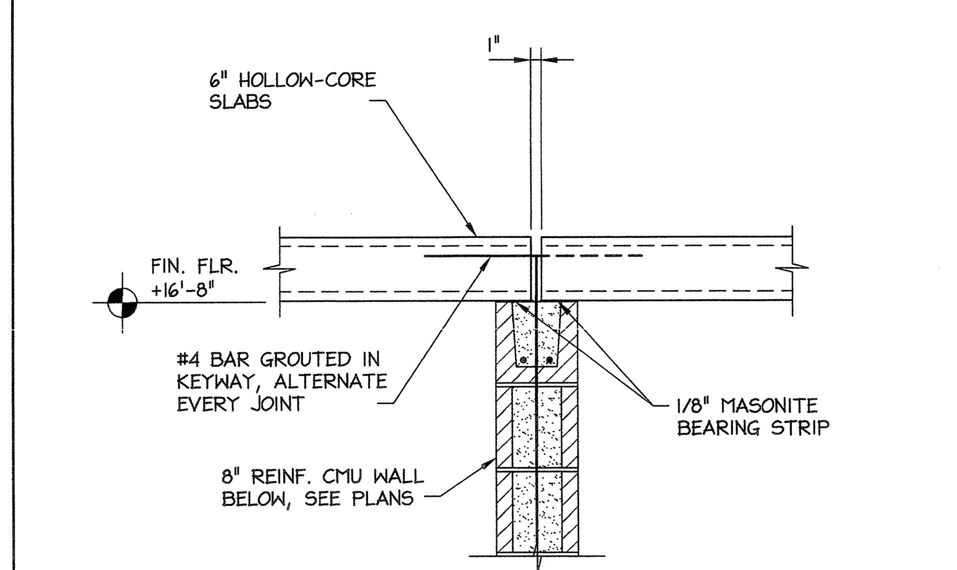

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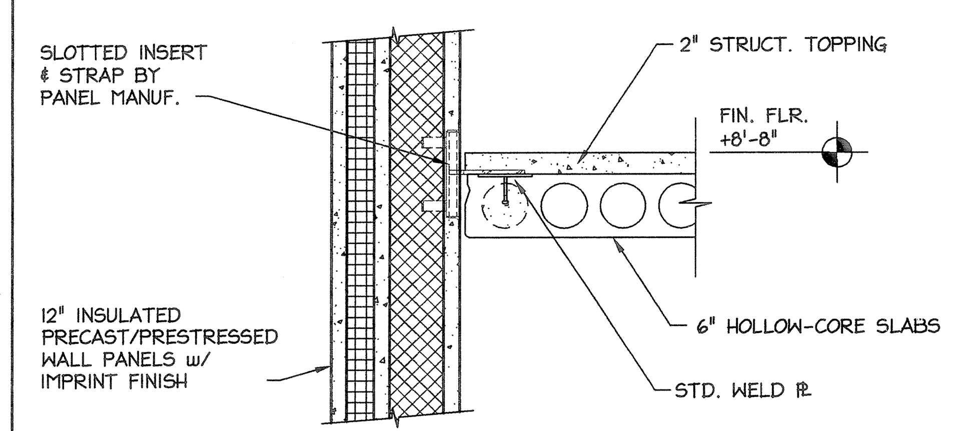

6 SECTION
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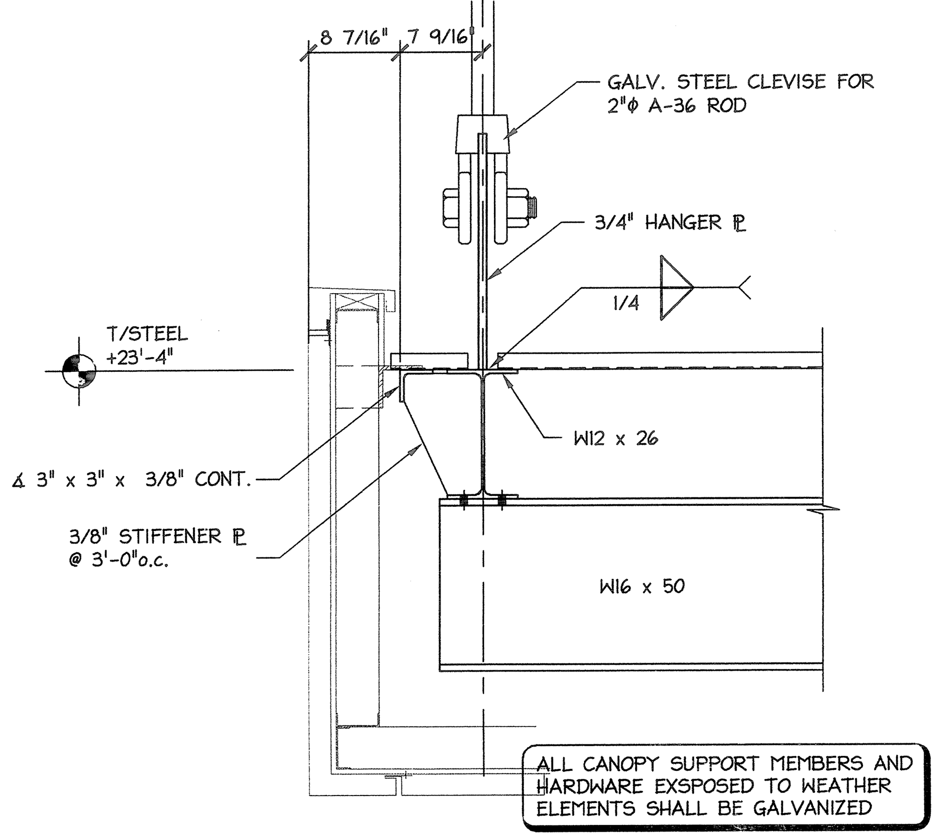

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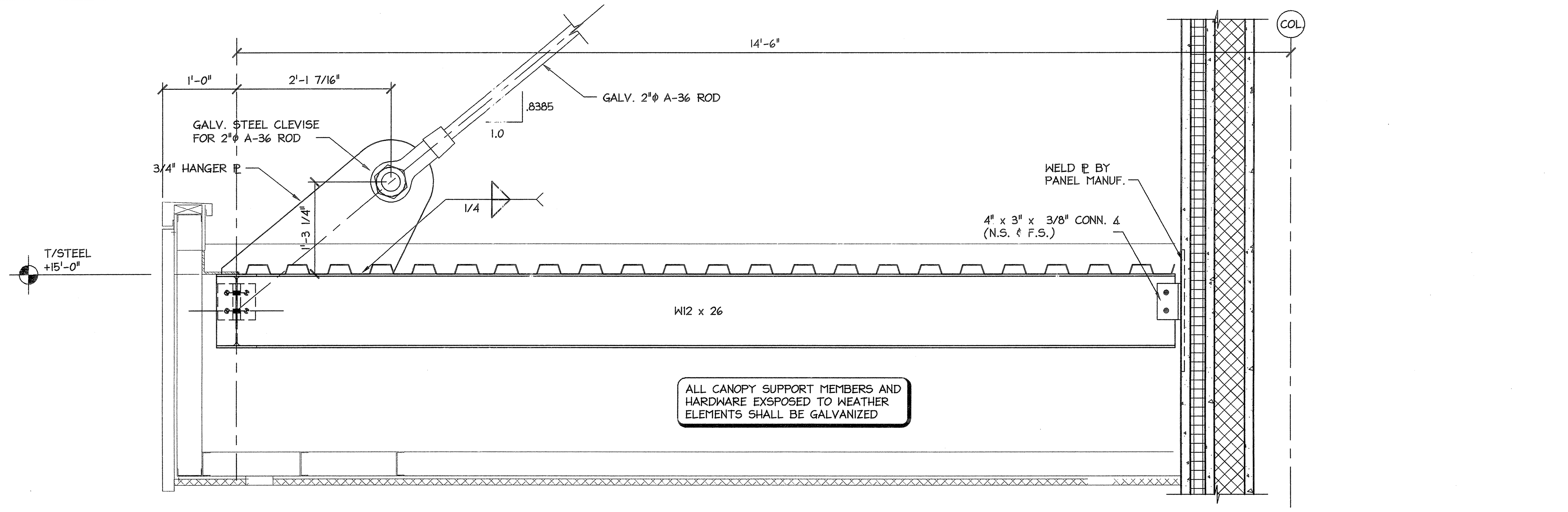
SCALE: 1"=1'-0" stl-se09



4 SECTION
SCALE: 1"=1'-0" stl-se07

Donovan & Donovan
a s s o c i a t e s, i n c.
architecture engineering interior design
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vincennes, indiana 47591 812-882-0415

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CONSULTING ENGINEERS & ARCHITECTS
RQAW Corporation
4755 Kingsway Drive, Suite 400
Indianapolis, Indiana 46205-1547
(317) 255-6060 FAX (317) 255-8354

sym	revisions	date
1	ASI #1 - CANOPY STRUCTURE CHANGES	11-1-05

scale:
GRAPHIC SCALE

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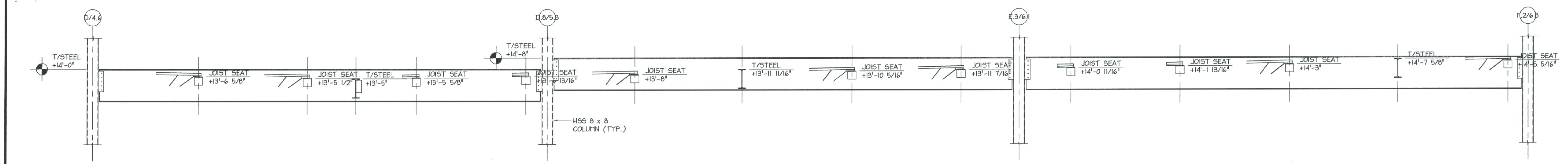
OF



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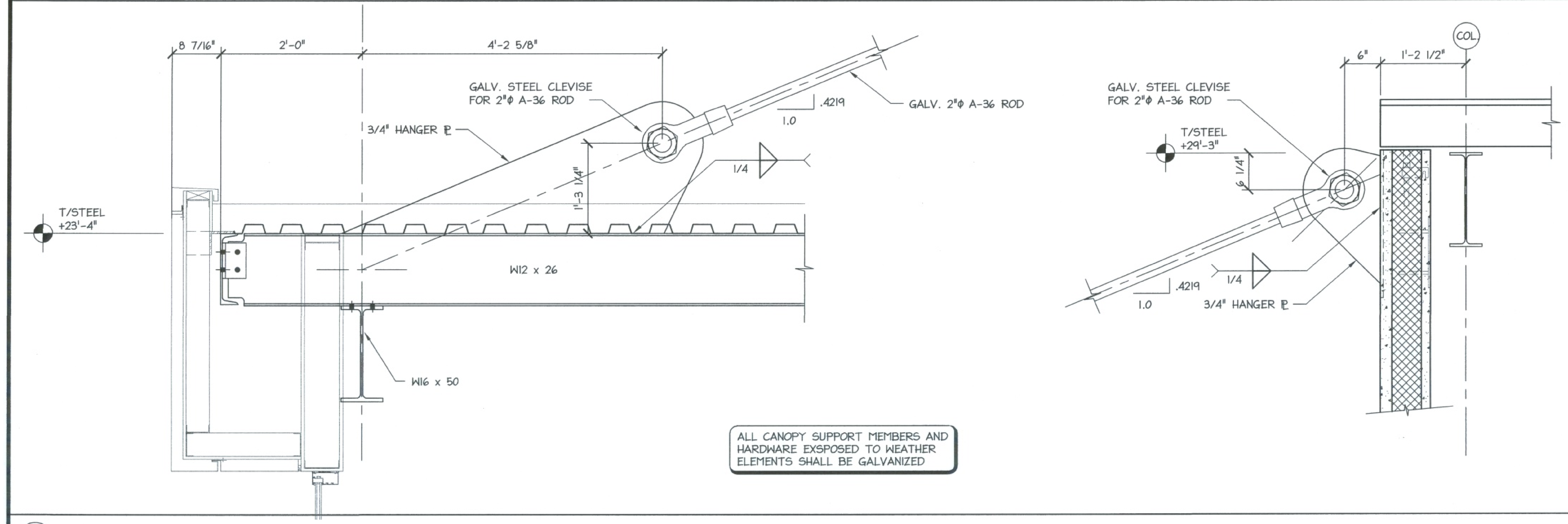

1 SECTION

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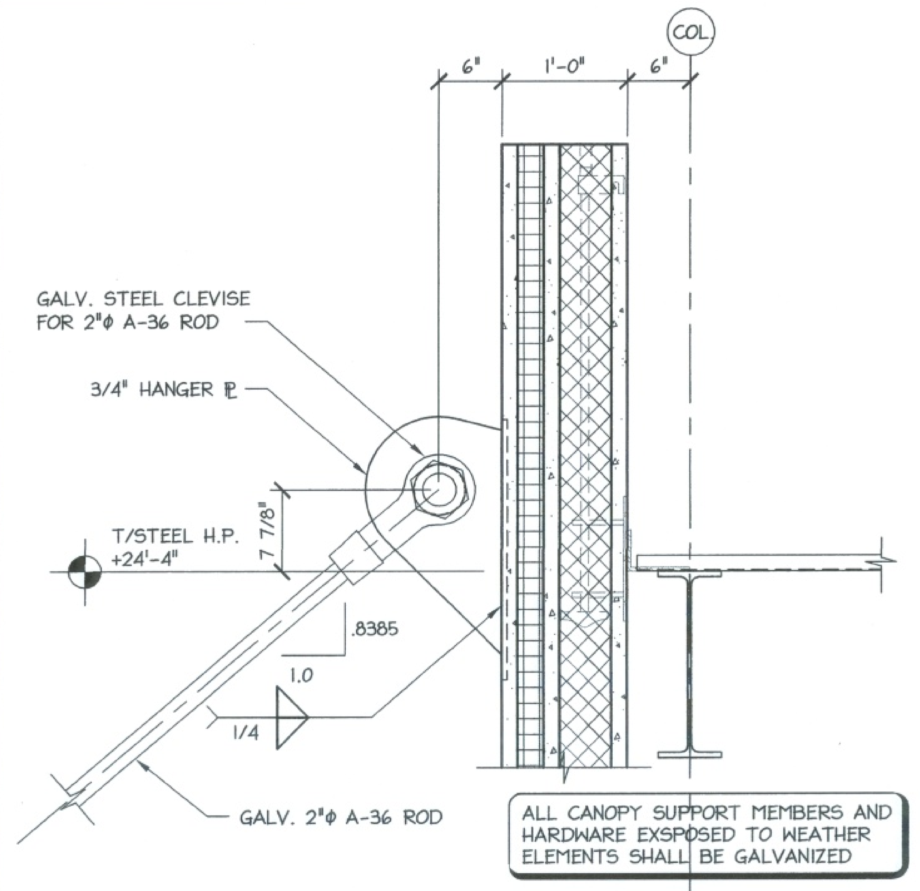

2 SECTION

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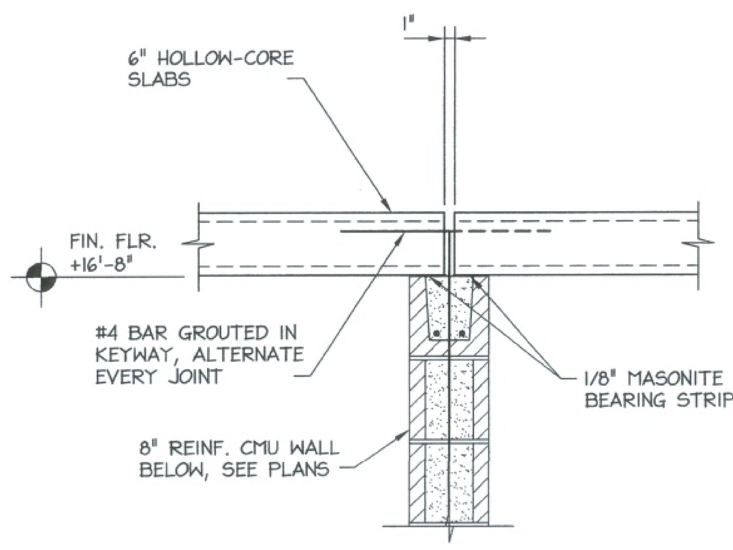

5 SECTION

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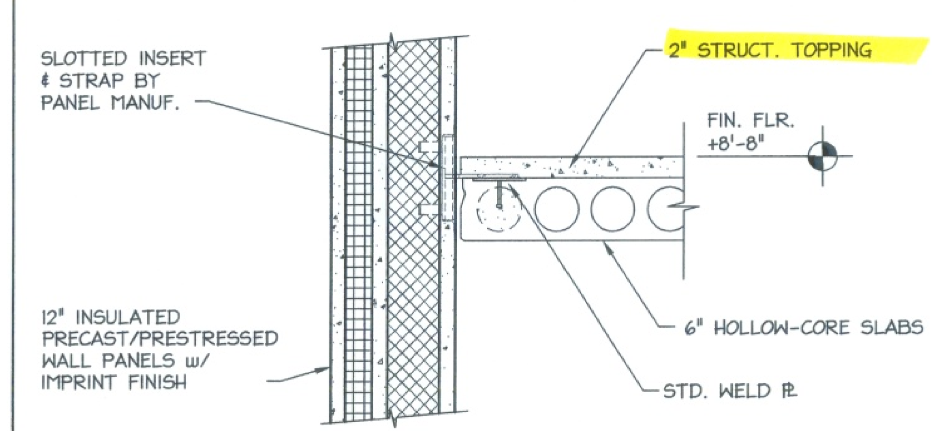

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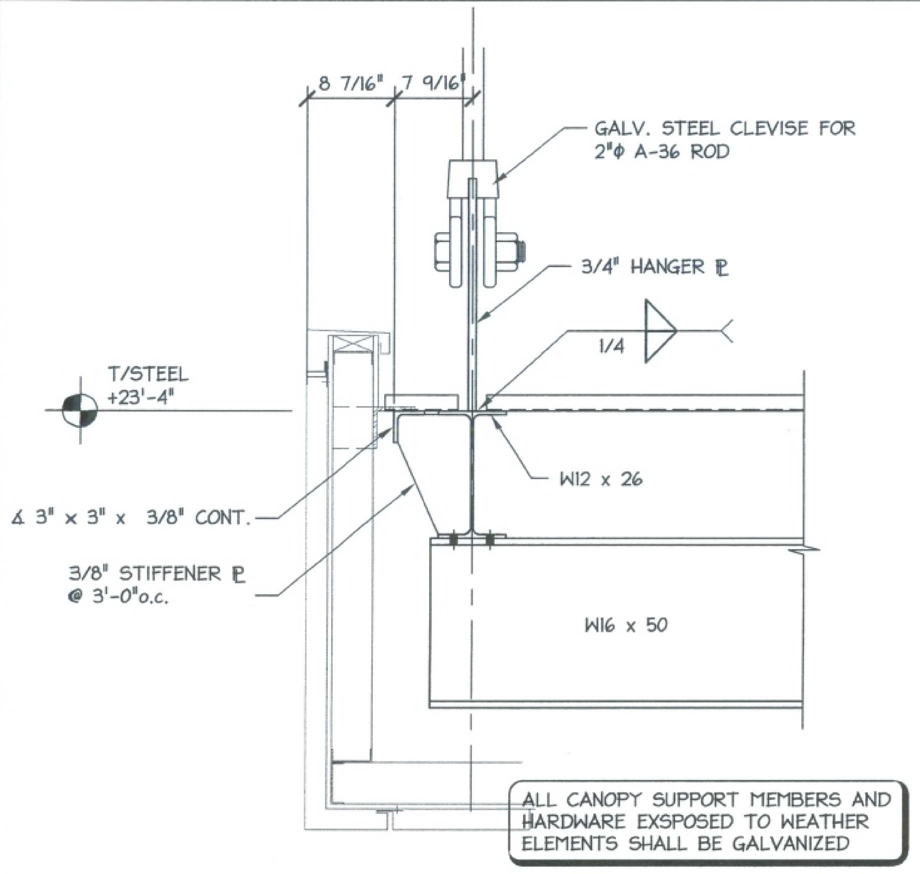

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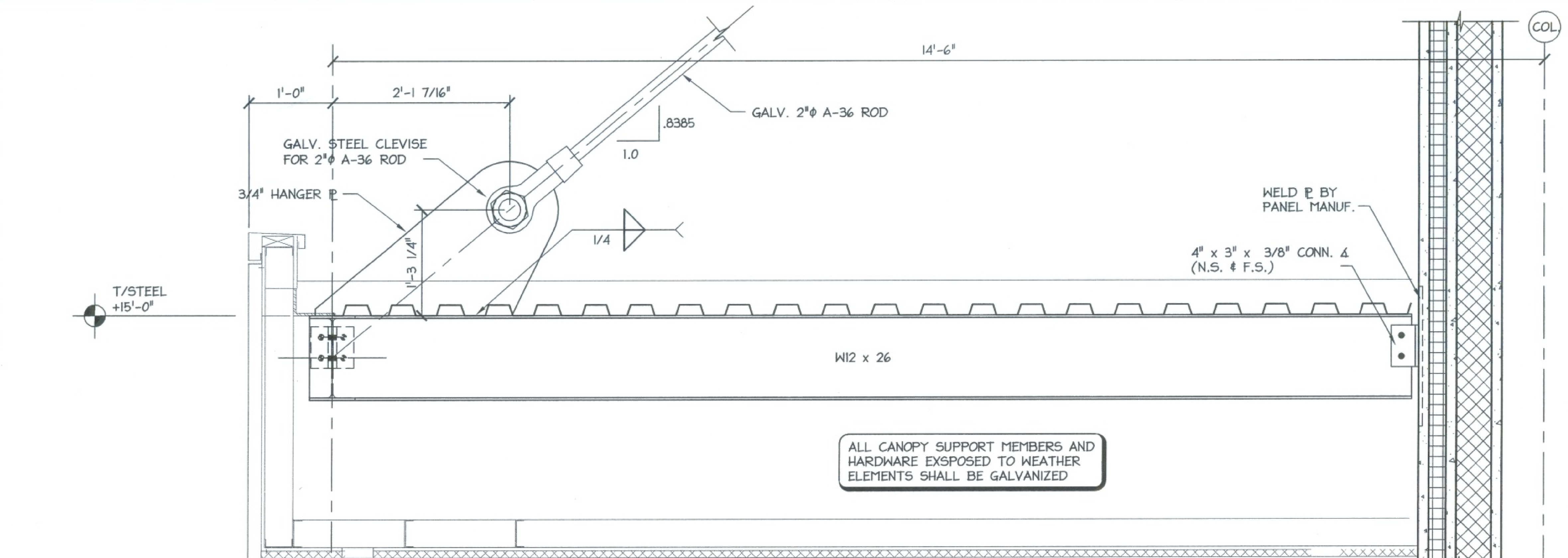

4 SECTION

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KNOX COUNTY JAIL

VINCENNES, INDIANA

*SEE REVISED DWG. FOR NEW CANOPY DETAILS

SHEET
S3.3
OF