

DESCRIPTION:

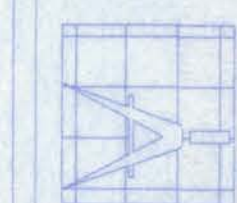
PARCEL "A1"
COMMENCE AT THE SOUTHEAST CORNER OF SECTION 19, TOWNSHIP 7 SOUTH,
RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA

W. H. F.
3/24/06

ZAHLER RESIDENCE

161 NW MADISON STREET
SUITE #102
LAKE CITY, FL 32055
(386) 758-4209

CERTIFICATE OF AUTHORIZATION # 00008701



Freeman
Design Group

DATE
3/17/06

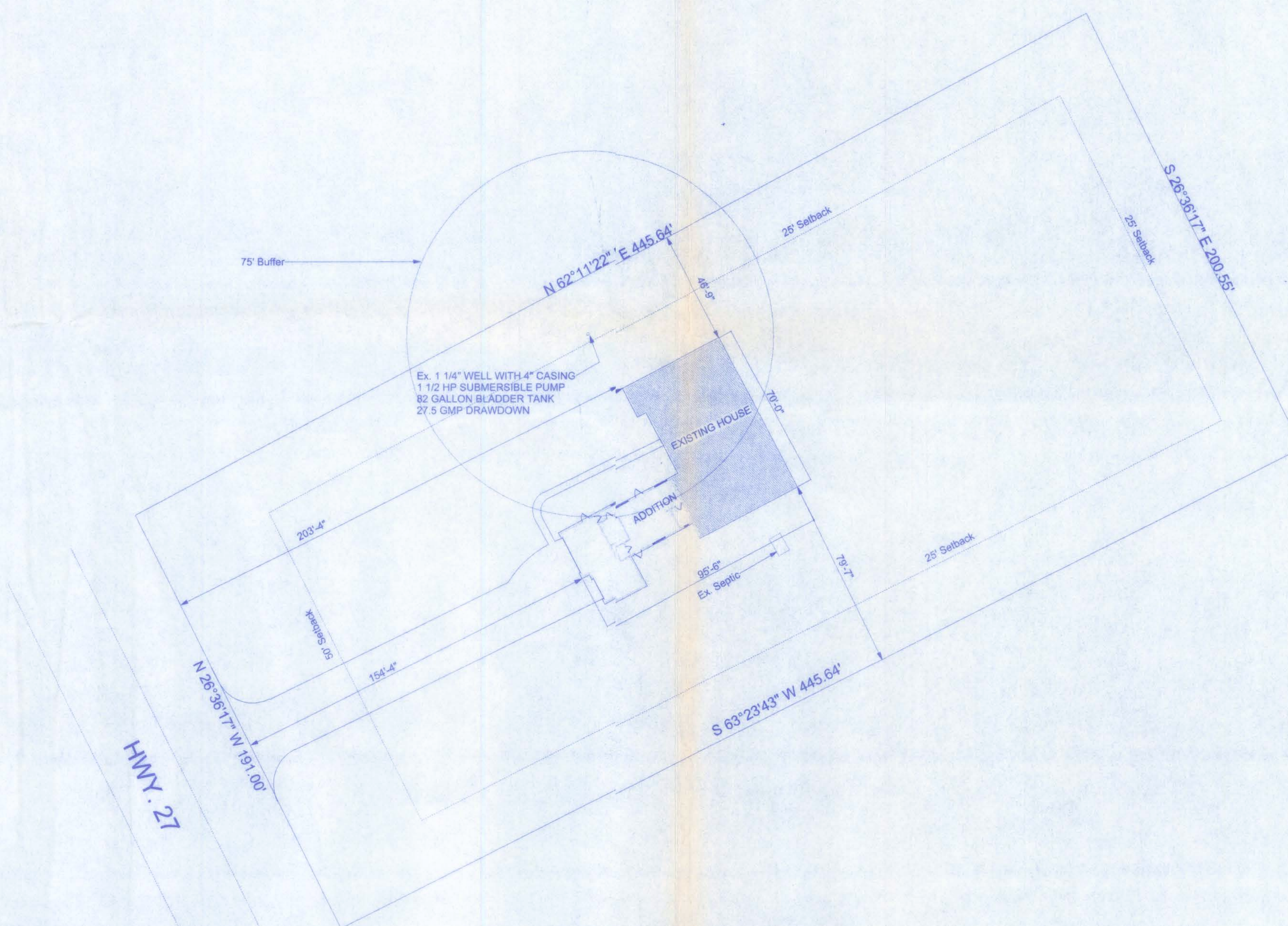
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W.H.F.

REVISIONS

SHEET SP-1

OF 1

PROJECT NO.



SITE PLAN
SCALE: 1" = 30'-0"

W. H. F. Inc.
3/24/06

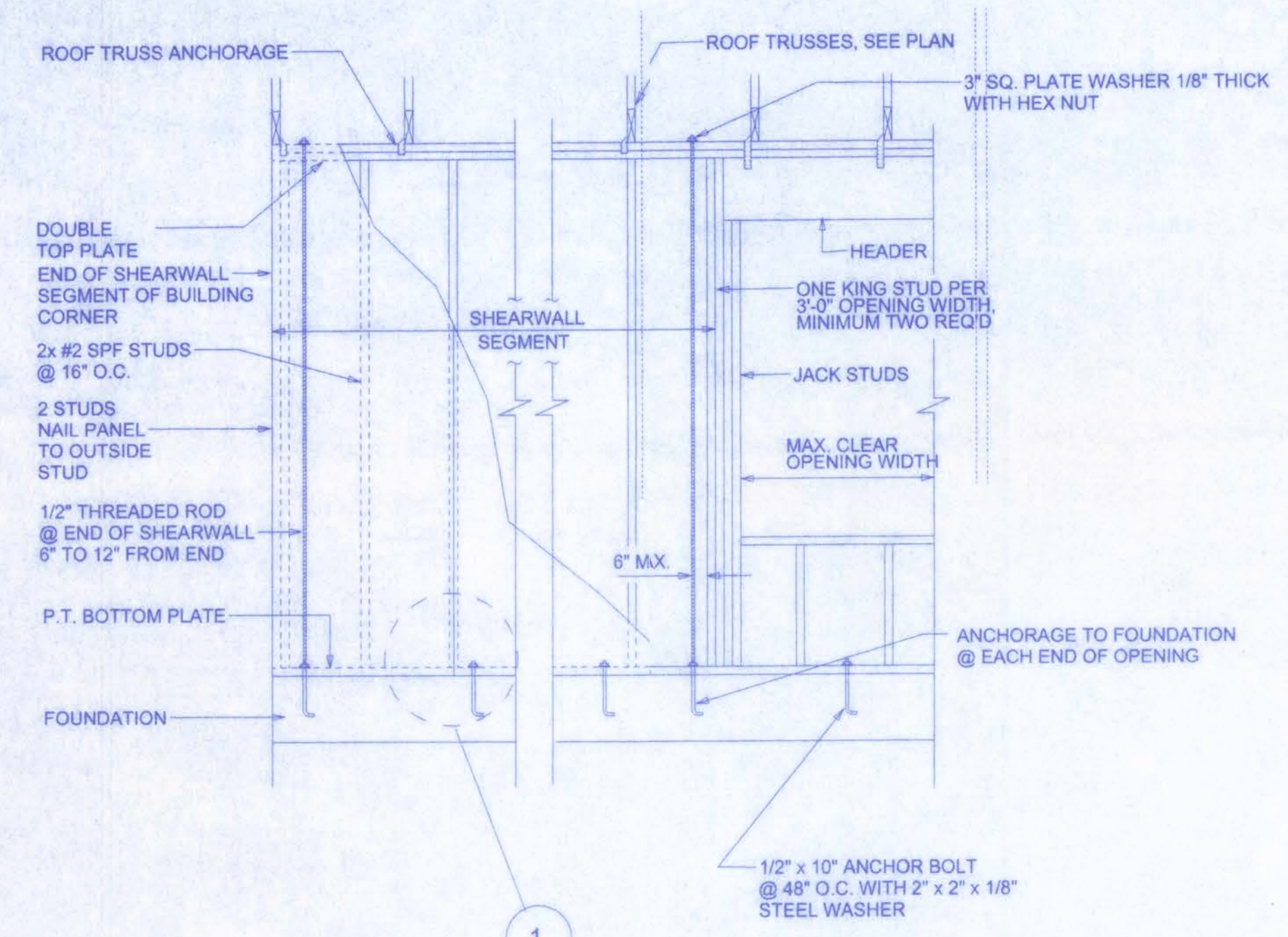
ZAHLER RESIDENCE

161 NW MADISON STREET
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LAKE CITY, FL 32055
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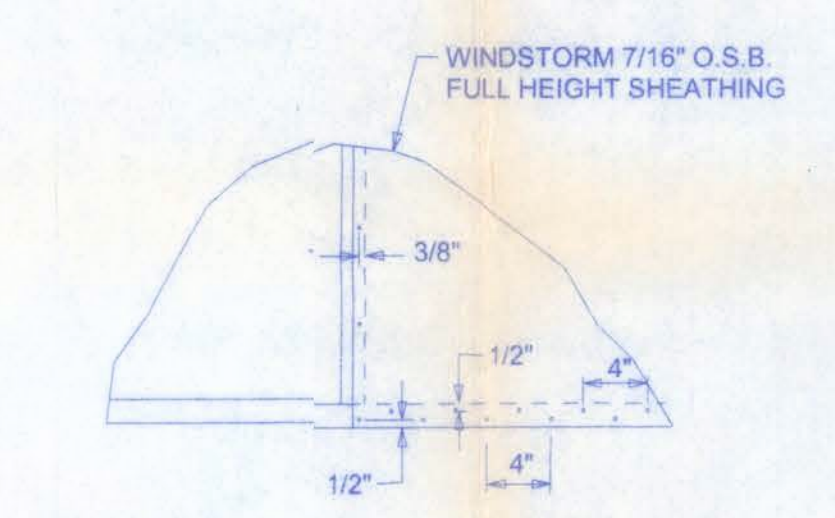
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REVISIONS	
SHEET S-1	
OF 1	
PROJECT NO.	

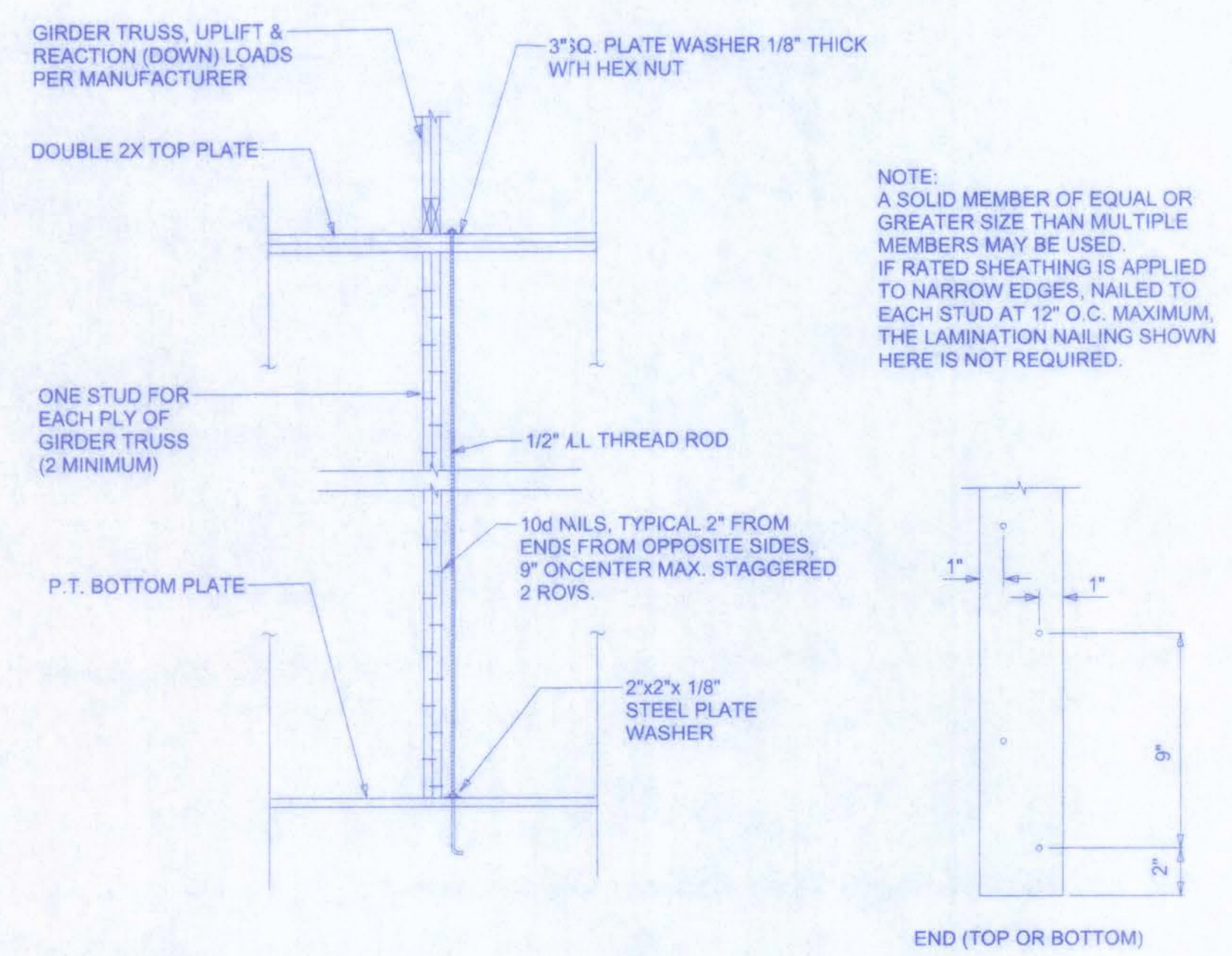


SHEARWALL DETAILS
SCALE: 1/2" = 1'-0"

OPENING CONNECTION REQUIREMENTS				
CLEAR OPENING WIDTH	HEADER SIZE #2 GRADE OR BETTER	END BEARING	CONNECTOR AT EACH END OF OPENING	ANCHORAGE TO FOUNDATION @ EACH END OF OPENING
0' - 3'	(2) 2x8	1.5"	N/A	N/A
>3' - 6'	(2) 2x10	3"	N/A	N/A
>6' - 9'	(2) 2x12	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>9' - 12'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>12' - 15'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	3"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD
>15' - 18'	(2) 1 3/4" x 11 1/4" LVL - 2.0E	4.5"	1/2" ALL THREAD ROD	1/2" ALL THREAD ROD



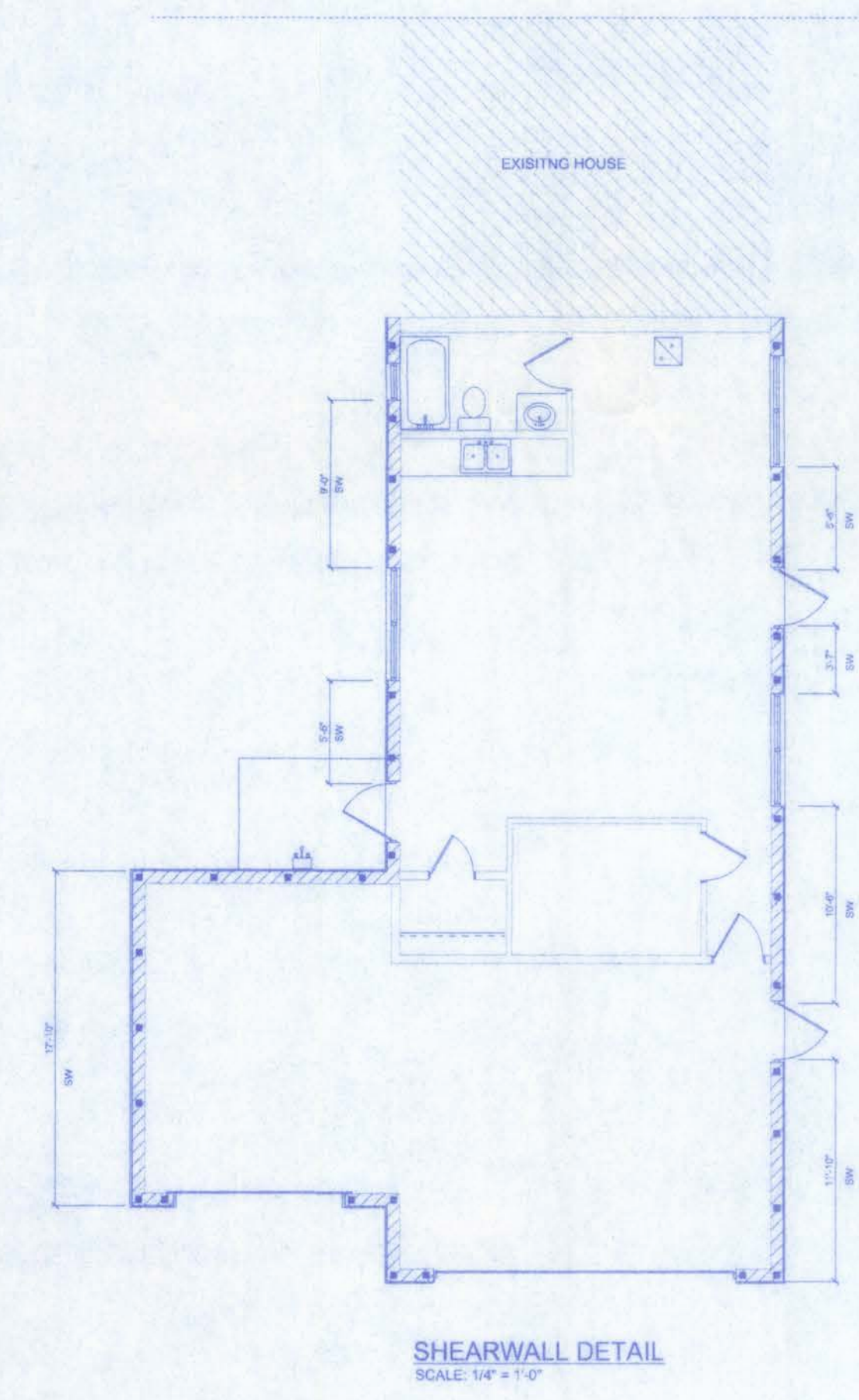
DOUBLE NAIL EDGE SPACING
TOP AND BOTTOM PLATE
UPLIFT CAPACITY = 474 plf
(TABLE 905S1 SSTD 10-99)



GIRDER COLUMN DETAIL
SCALE: 1/2" = 1'-0"

- SHEARWALL NOTES:**
- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-99 305.4.3.
 - THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
 - ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
 - NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
 - TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/8 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 OR FOR 8'-0" WALLS - (2'-3").

OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

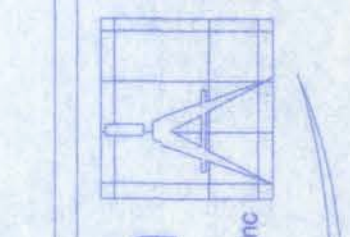


SHEARWALL DETAIL
SCALE: 1/4" = 1'-0"

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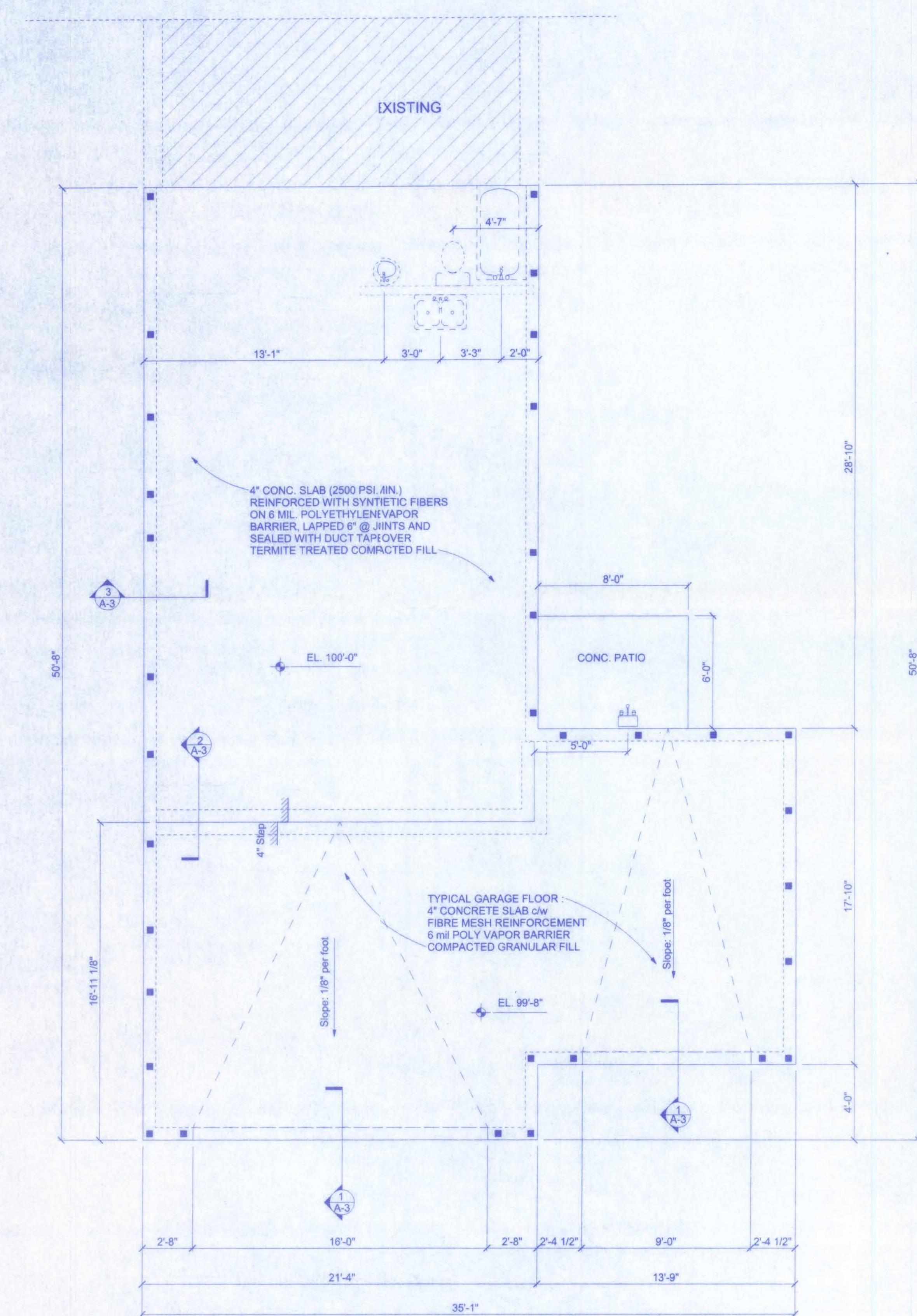
REVISIONS

SHEET: A-2

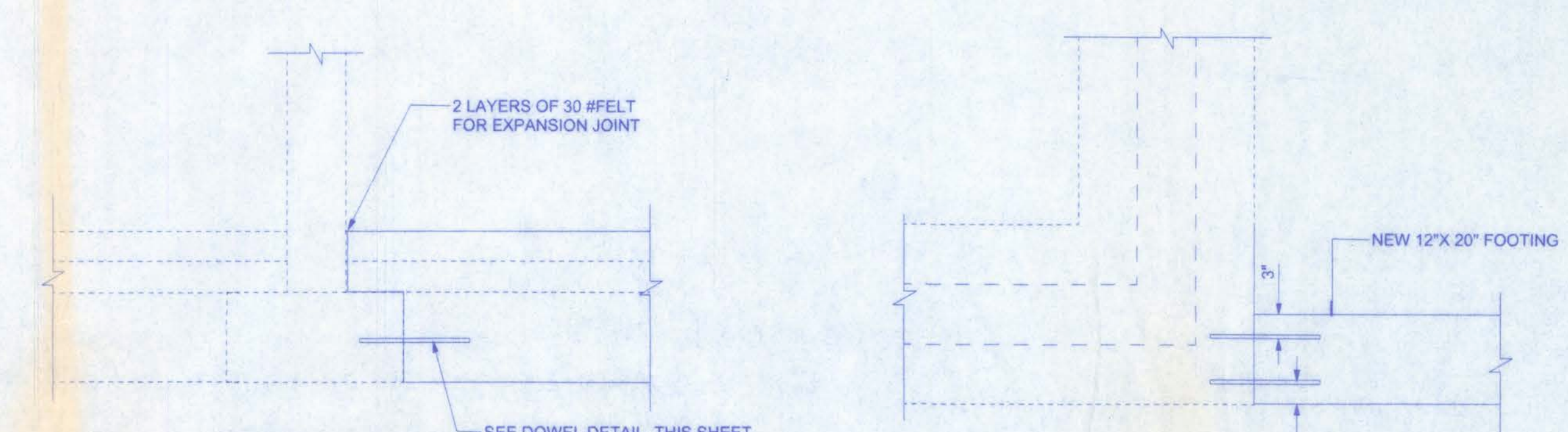
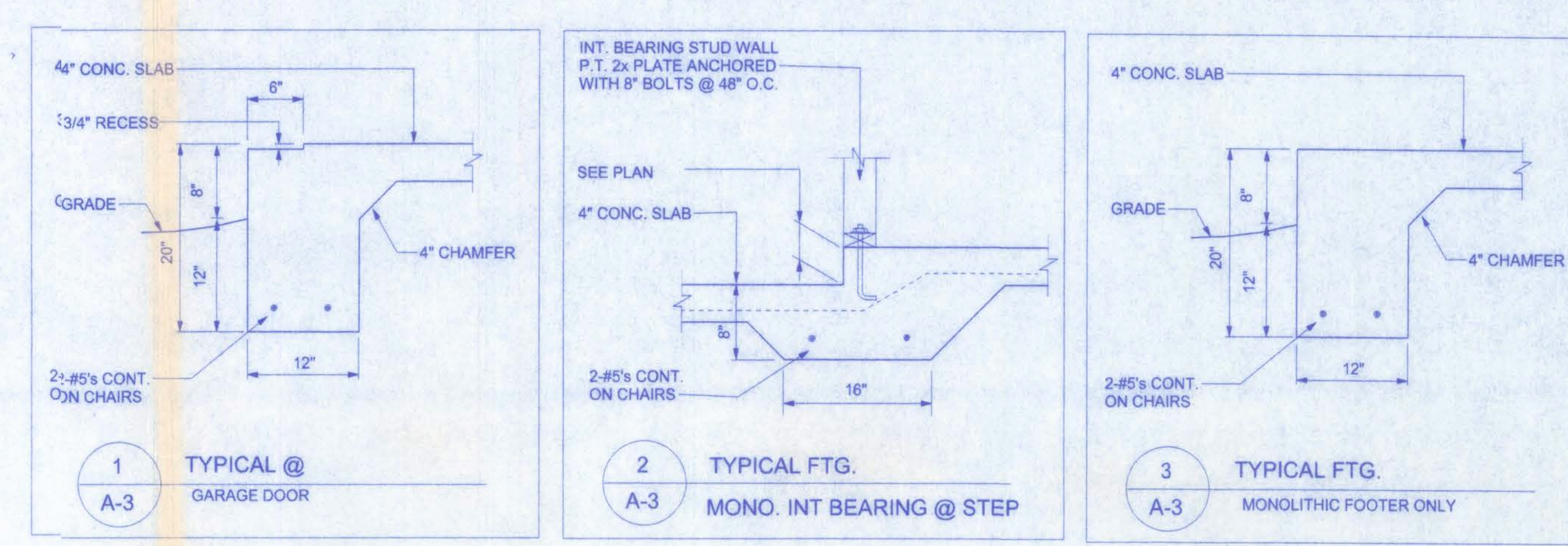
OF: 4

PROJECT NO.

CERTIFICATE OF AUTHORIZATION # 00005701



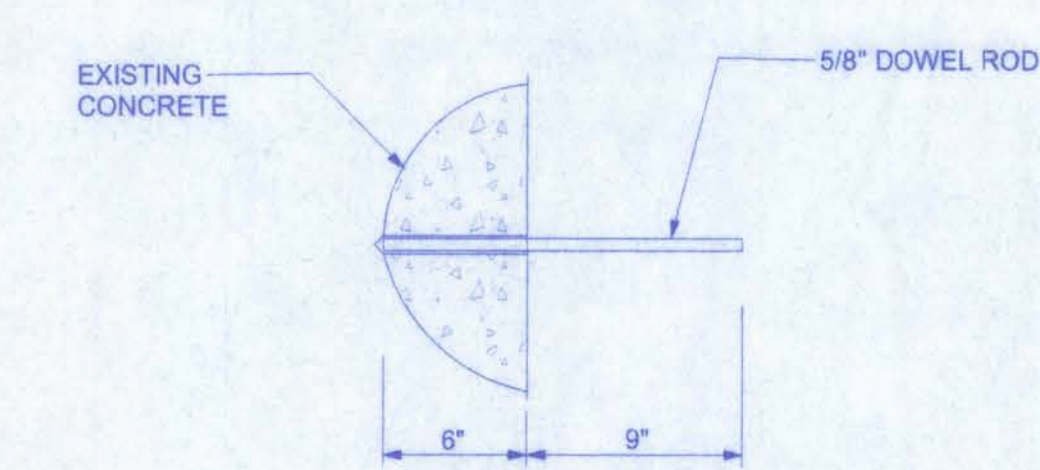
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



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

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

NOTE:
DRILL HOLE 1/8" LARGER THAN DOWEL DIAMETER
AND 1/8" DEEPER THAN EMBEDMENT LENGTH
INTO EXISTING CONCRETE AND REMOVE DUST WITH
OIL FREE COMPRESSED AIR. SET DOWELS WITH EPOXY
INTO HOLES AND LET REMAIN UNTIL IT SETS.



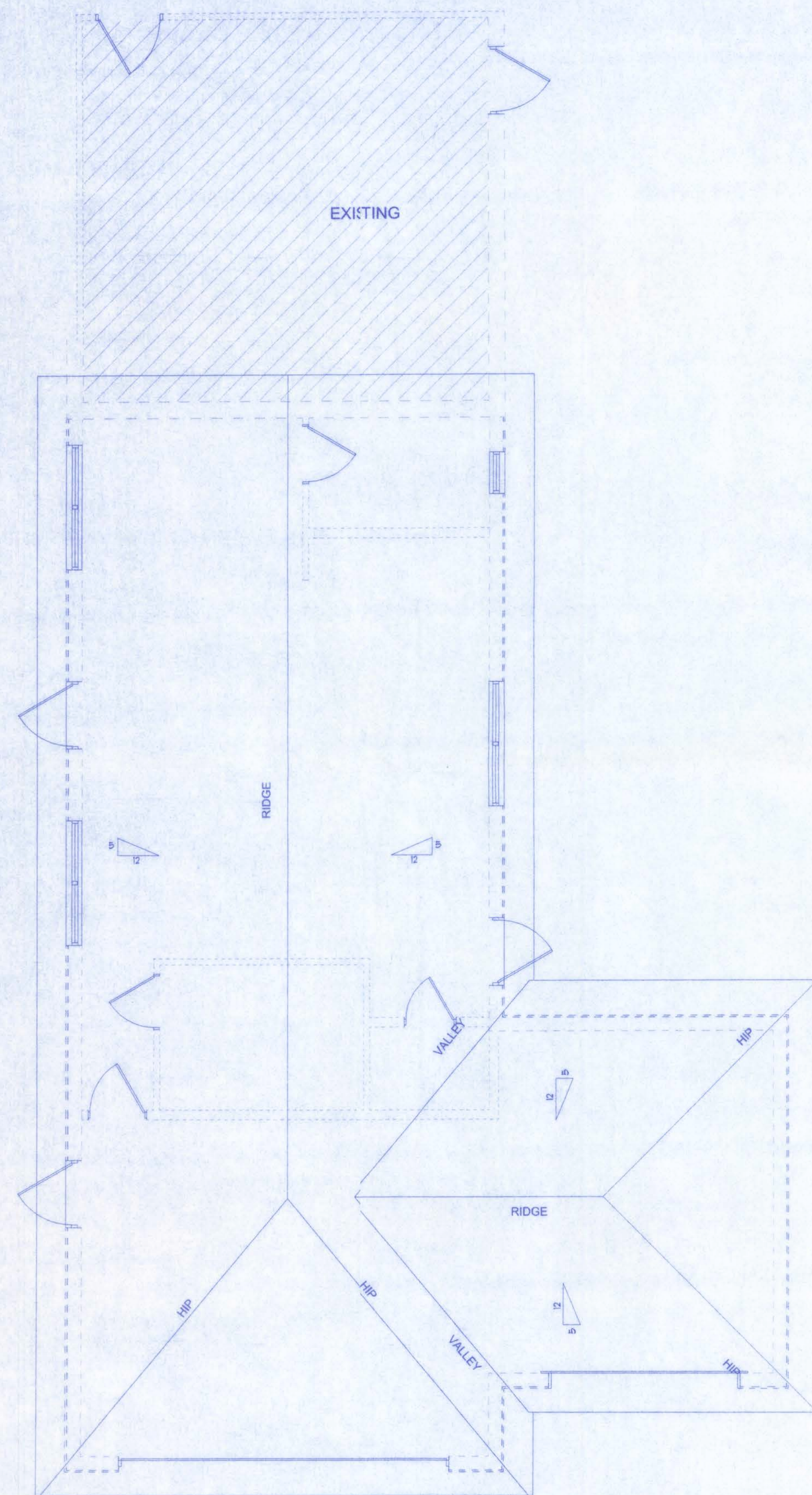
DOWEL DETAIL
SCALE: 1 1/2" = 1'-0"

SLAB REQUIREMENTS

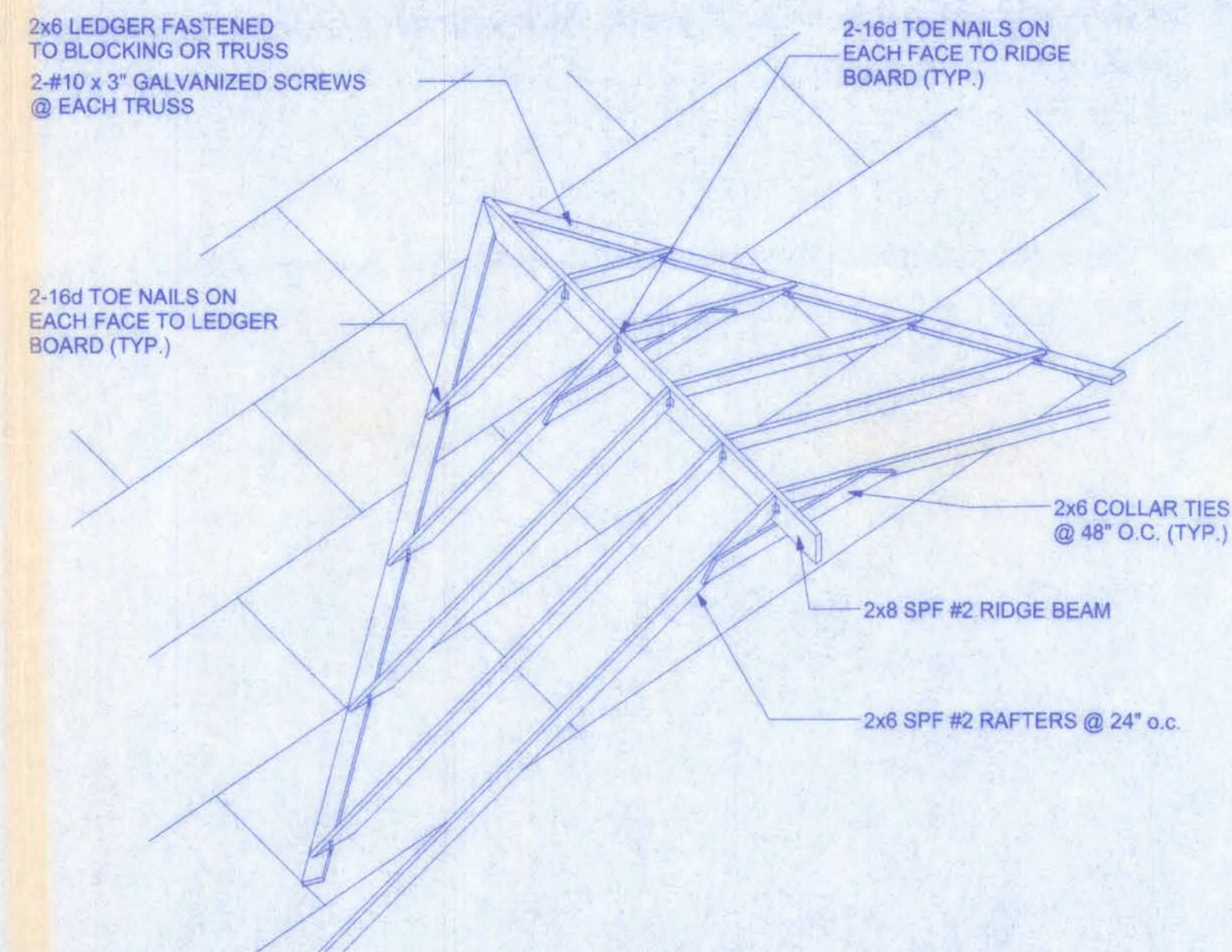
- JOINTS ARE NOT REQUIRED IN UNREINFORCED PLAIN CONCRETE SLABS ON GROUND OR IN SLABS FOR ONE AND TWO FAMILY DWELLINGS COMPLYING WITH ONE OF THE FOLLOWING:
1. CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTHS SHALL BE 1/2 INCH TO 2 INCHES IN LENGTH. DOSAGE AMOUNTS SHALL BE FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SYNTHETIC FIBERS SHALL COMPLY WITH ASTM C 1116. THE MANUFACTURER OR SUPPLIER SHALL PROVIDE CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY THE BUILDING OFFICIAL. OR, CONCRETE SLABS ON GROUND CONTAINING 6x6 W1.4 x W1.4 WELDED WIRE REINFORCEMENT FABRIC LOCATED IN THE MIDDLE TO THE UPPER 1/3 OF THE SLAB. WELDED WIRE REINFORCEMENT FABRIC SHALL BE SUPPORTED WITH APPROVED MATERIAL OR SUPPORTS AT SPACING NOT TO EXCEED 3 FT OR IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION. WELDED PLAIN WIRE REINFORCEMENT FABRIC FOR CONCRETE SHALL CONFORM TO ASTM A 185, STANDARD SPECIFICATION FOR STEEL WELDED WIRE REINFORCEMENT FABRIC, PLAIN, FOR CONCRETE REINFORCEMENT.
 - 2.

FOUNDATION NOTES

- COVER OVER REINFORCING STEEL FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE:
- 3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER AND 1 1/2 INCHES ELSEWHERE. REINFORCING BARS EMBEDDED IN GROUTED CELLS SHALL HAVE A MINIMUM CLEAR DISTANCE OF 1/4 INCH FOR FINE GROUT OR 1/2 INCH FOR COARSE GROUT BETWEEN REINFORCING BARS AND ANY FACE OF A CELL. REINFORCING BARS USED IN MASONRY WALLS SHALL HAVE A MASONRY COVER (INCLUDING GROUT) OF NOT LESS THAN 2 INCHES FOR MASONRY UNITS WITH FACE EXPOSED TO EARTH OR WEATHER 1 1/2 INCHES FOR MASONRY UNITS NOT EXPOSED TO EARTH OR WEATHER
- CONCRETE: CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.
- GALVANIZATION: METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO THE WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2. METAL PLATE CONNECTORS, SCREWS, BOLTS AND NAILS EXPOSED DIRECTLY TO THE WEATHER SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED.
- REINFORCING STEEL: THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40.

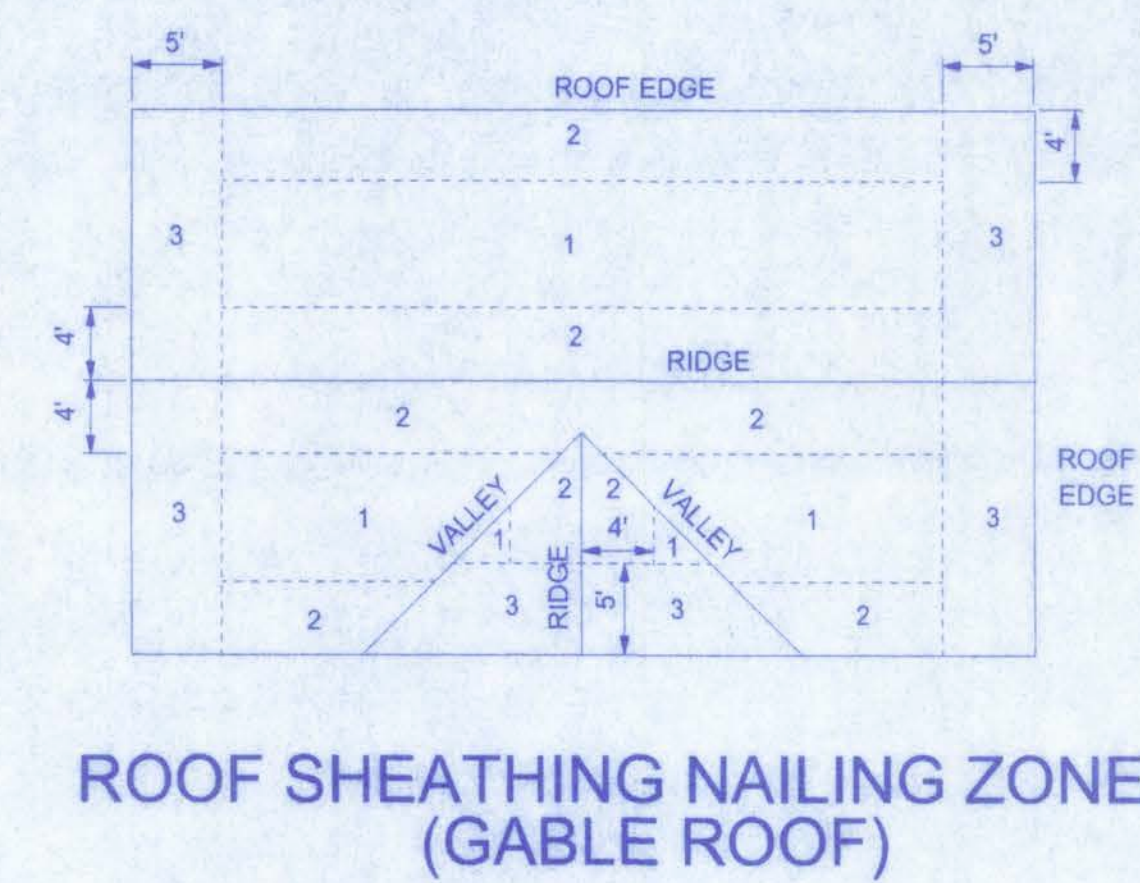
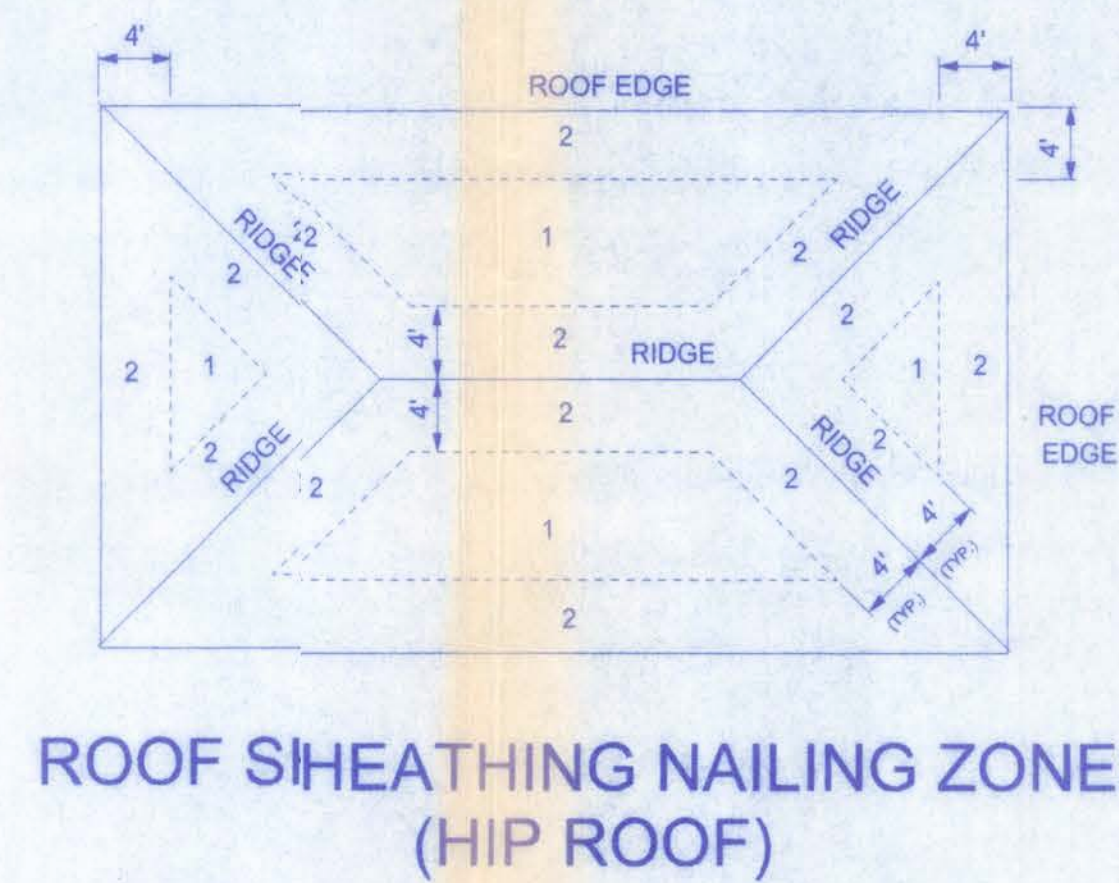


ROOF PLAN
SCALE: 1/4" = 1'-0"



ROOF INTERSECTION CONNECTION DETAIL
NTS

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	1/2" O.S.B. OR 15/32 CDX	8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
2			6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD



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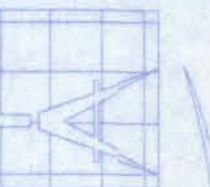
ZAHLER RESIDENCE

CERTIFICATE OF AUTHORIZATION # 00008701

3/2/06

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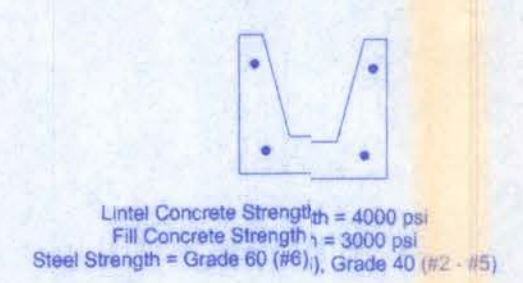
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SHEET A-4

OF 4

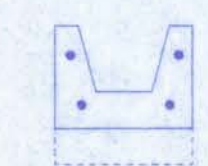
PROJECT NO.

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Lintel Concrete Strength = 4000 psi
Fill Concrete Strength = 3000 psi
Steel Strength = Grade 60 (#6), Grade 40 (#2 - #5)

TYPE	TOP BARS	BOTTOM BARS
A	NONE	2-#3
B	2-#2	2-#4
C	2-#3	2-#4
D	2-#3	2-#5
E	2-#4	2-#6



Lintel Concrete Strength = 4000 psi
Fill Concrete Strength = 3000 psi
Steel Strength = Grade 60 (#6), Grade 40 (#2 - #5)

TYPE	TOP BARS	BOTTOM BARS
A	NONE	2-#3
B	NONE	2-#4
C	2-#2	2-#4

PRECAST LINTEL OVER OPENINGS

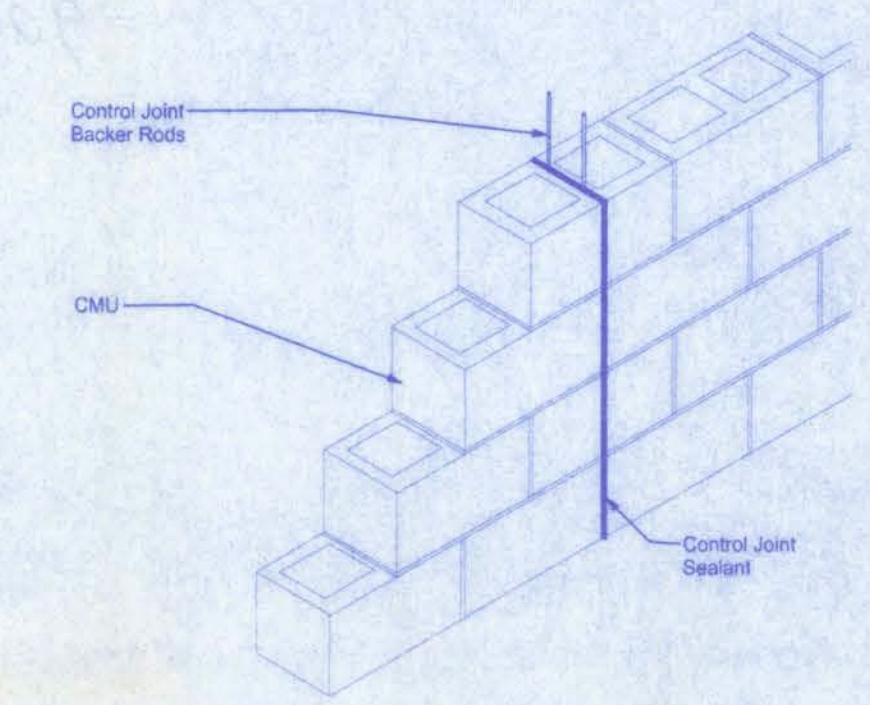
LENGTH	CLEAR SPAN	TYPE	FILLED + BEAM
4'-6"	3'-2"	A	6000+ PLF
7'-6"	6'-2"	B	5663 PLF
12'-0"	10'-8"	D	2181 PLF
17'-4"	16'-0"	E	1366 PLF

FILLED + BEAM = Acting as composite beam with an 8" perimeter beam
1-#5 rebar in lintel, 1-#5 rebar in perimeter beam

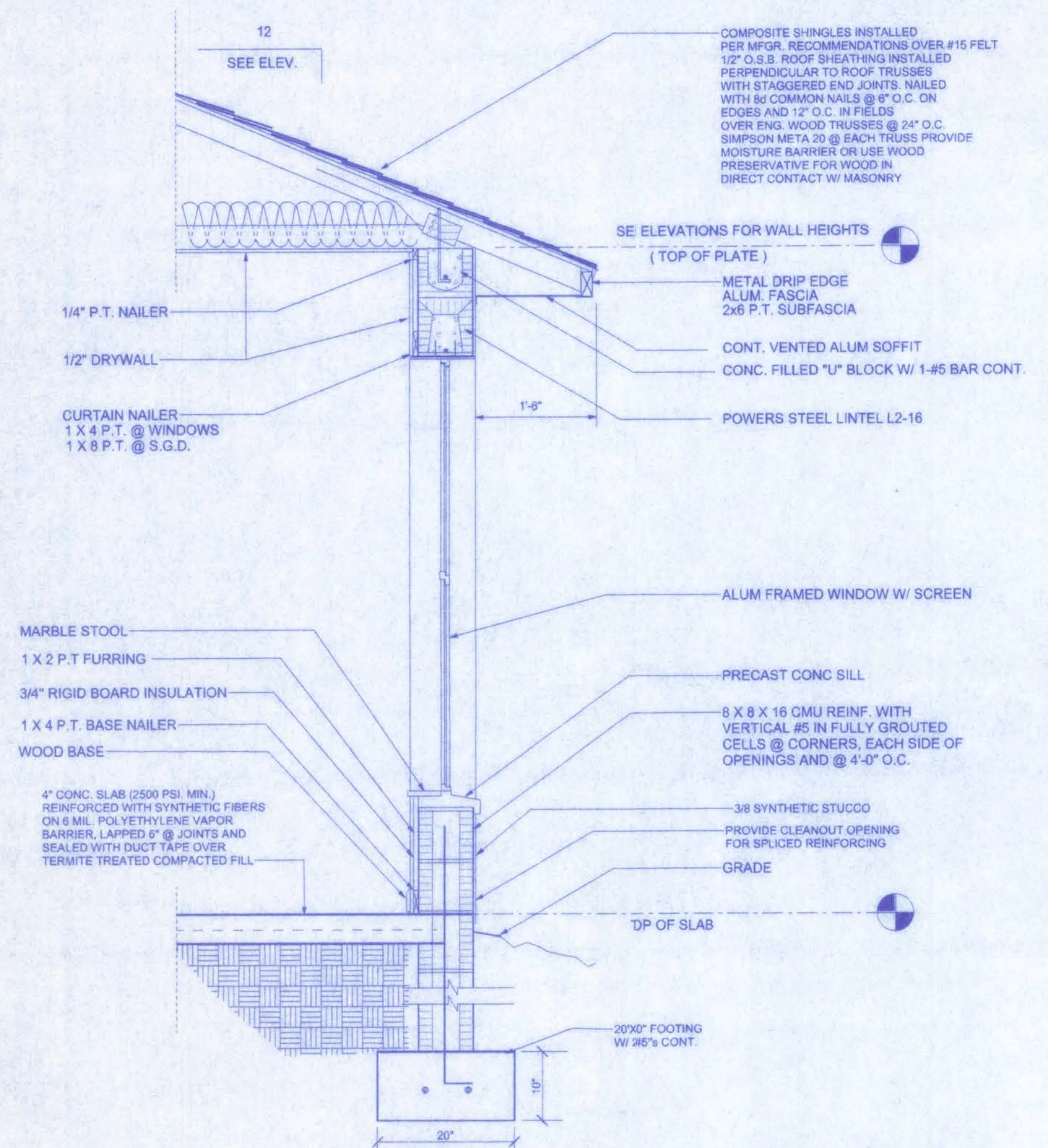
DOORWAY HEADER

DOOR SIZE	TYPE	FILLED + BEAM
3'-0"	A	6000+ PLF
5'-0"	B	5689 PLF
6'-0"	C	4262 PLF

FILLED + BEAM = Acting as composite beam with an 8" perimeter beam
1-#5 rebar in lintel, 1-#5 rebar in perimeter beam

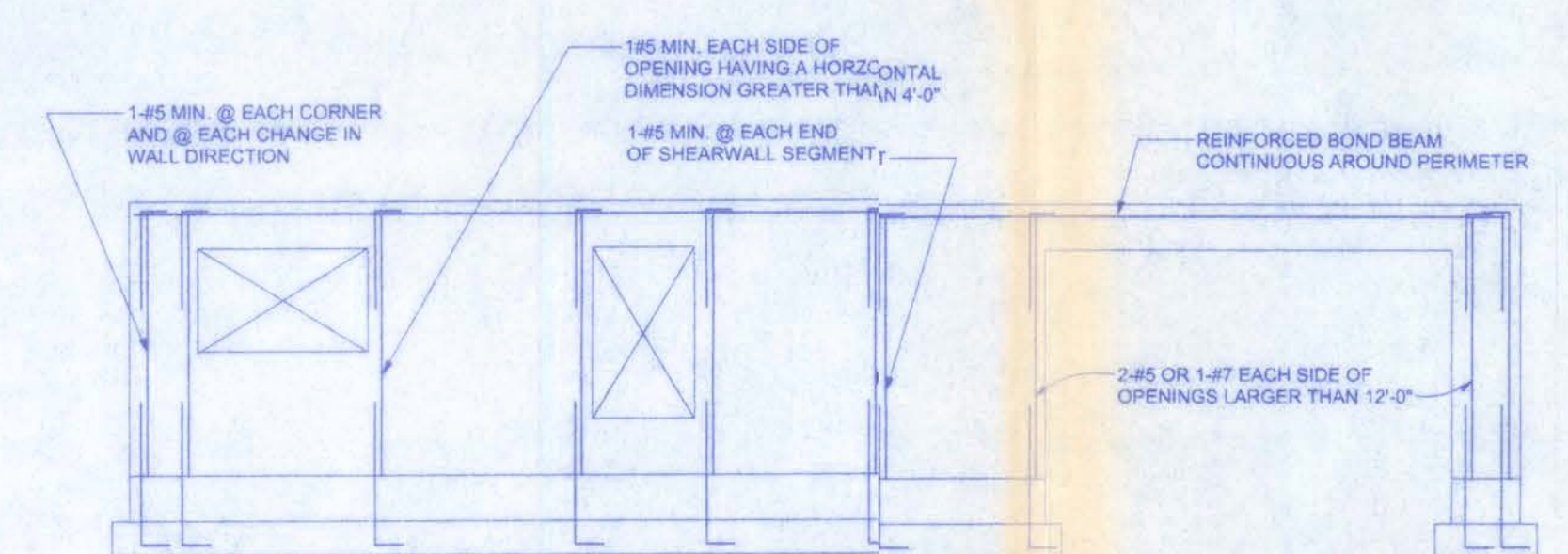
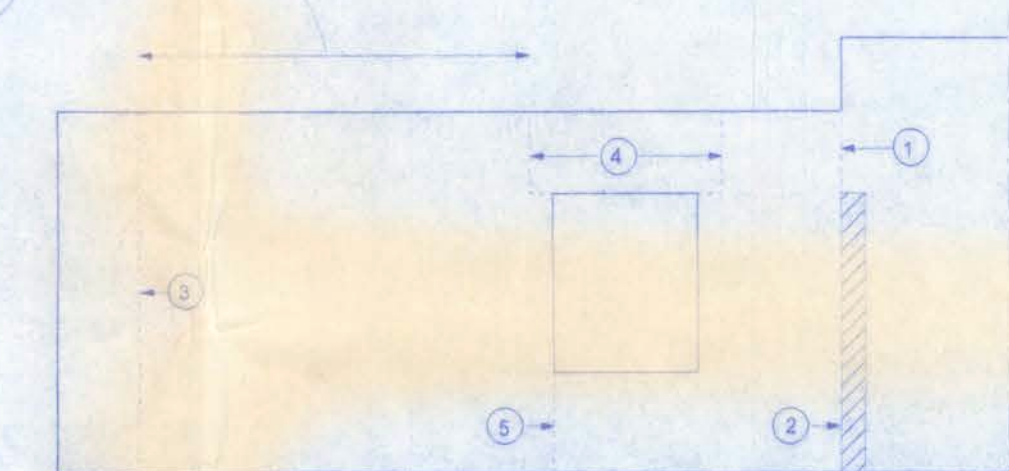


CONTROL JOINT LOCATION
NTS



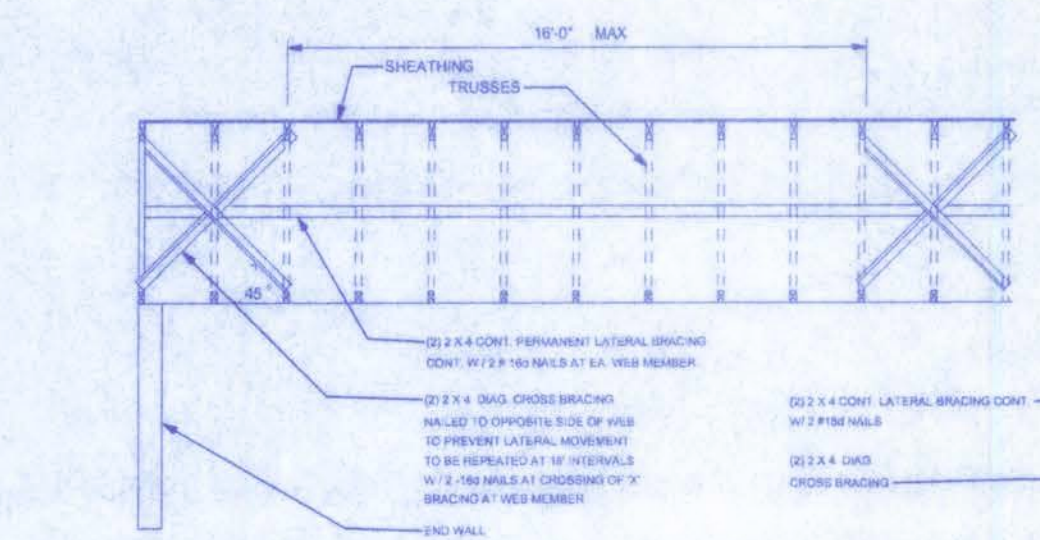
TYPICAL WALL SECTION
SCALE: 1" = 1'-0"

- Control joints should be spaced every 10' to 125' along unbroken wall lengths and:
- 1 At changes in wall height or thickness
 - 2 At columns, pilasters, and wall intersections
 - 3 Near corners
 - 4 On both sides of openings > 6'
 - 5 On one side of openings < 6'



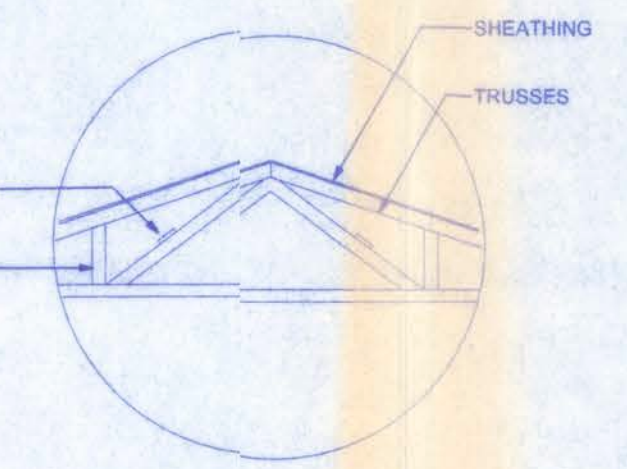
EXTERIOR WALL REINFORCEMENT SUMMARY
ONE STORY (TWO STORY SIMILAR)

NTS



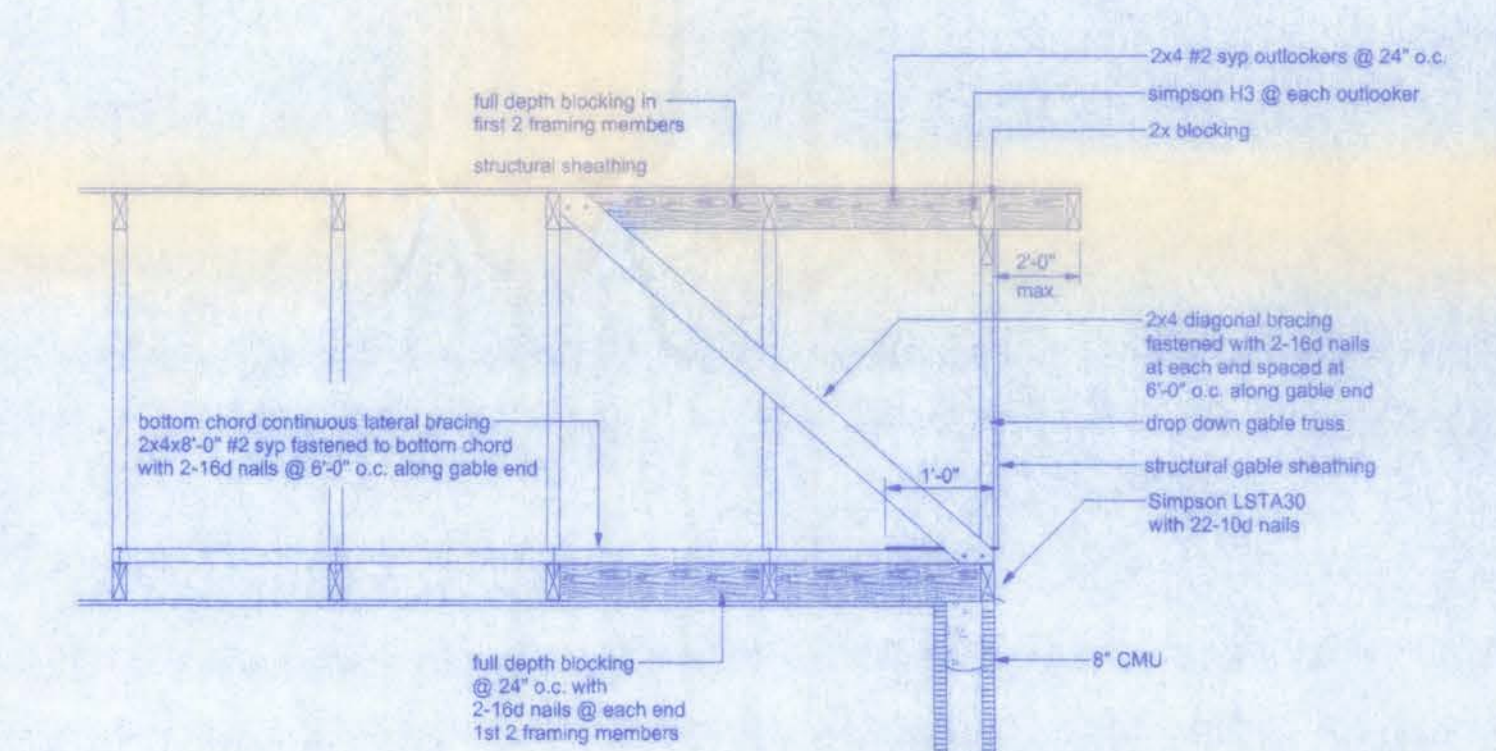
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

TYPICAL PERMANENT TRUSS BRACING DIAGRAM
NTS



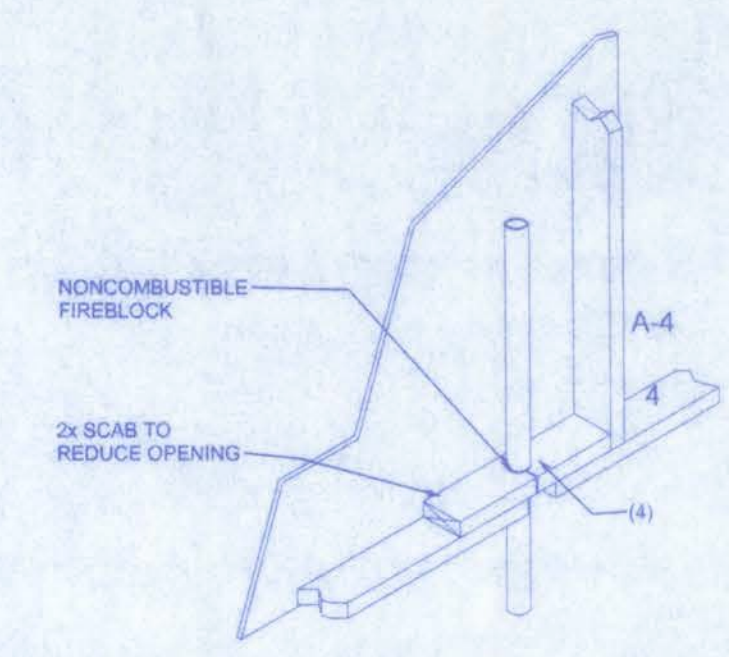
FIREBLOCKING NOTES:

- FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:
1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
 2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
 3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
 4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH PYROFLEX MULTIFLEX SEALANT
 5. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.



END WALL BRACING FOR CEILING DIAPHRAGM
NTS

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE



PENETRATIONS