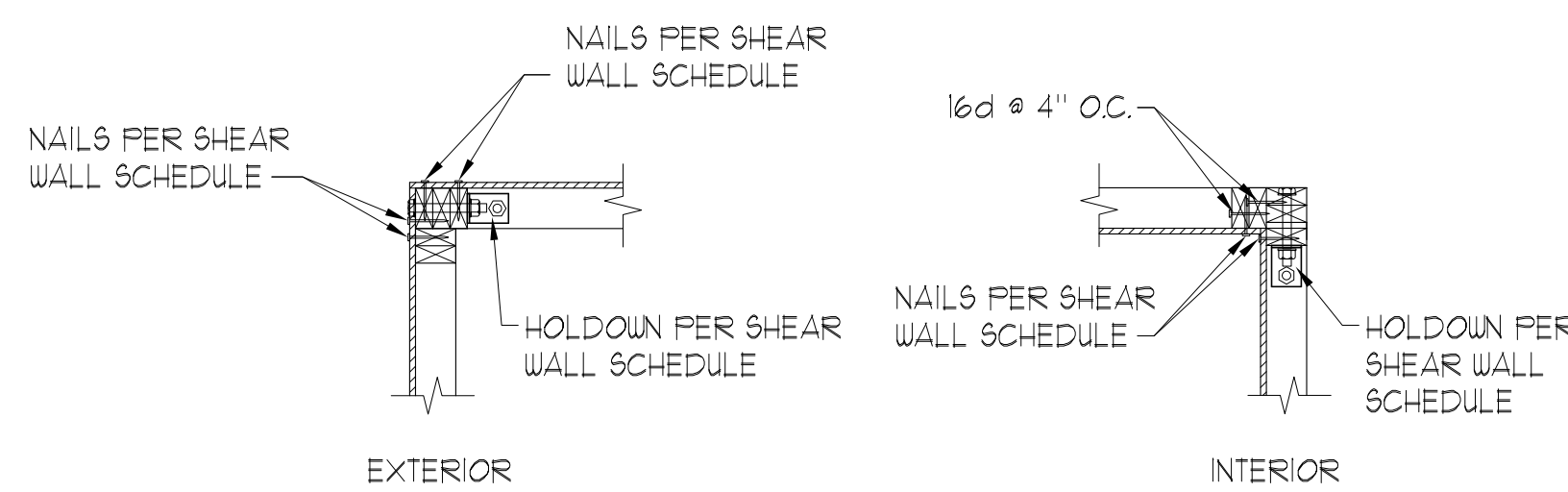


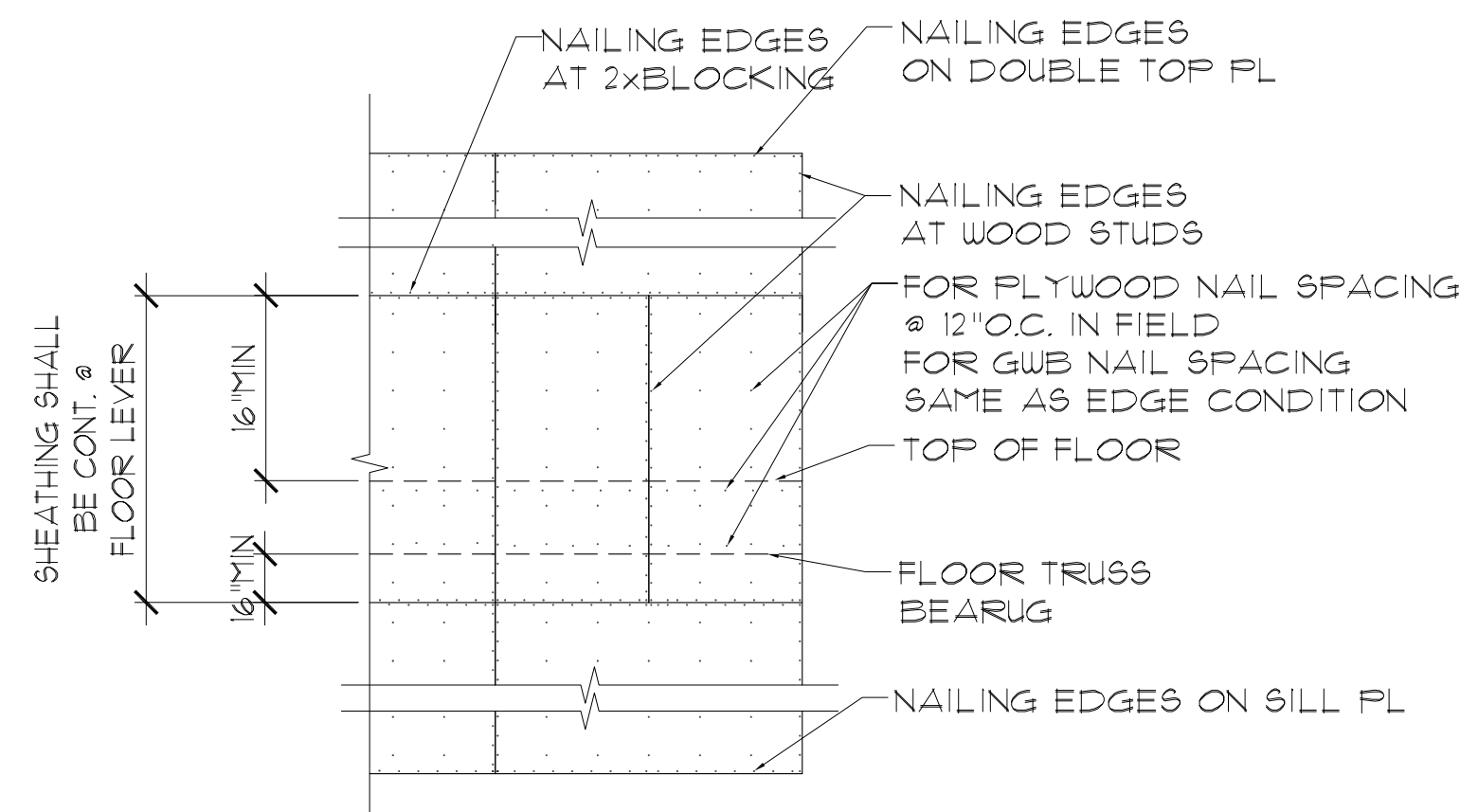


CONNECTOR EQUIVALENT SCHEDULE SIMPSON				
SIMPSON TYP	FASTENERS	UPLIFT (lbs.)	WOOD TO:	USP TYP
MT916 OR MT912	(14) 10d x 1-1/2	1000	WOOD	MTW16
HT920	(24) 10d x 1-1/2	1450	WOOD	HTW20
LT912	(12) 10d x 1-1/2	775	WOOD	LTW12
H3	(4) 8d	455	WOOD	RT1
LTT20B	(10) 16d INTO STUDS	1750 (NAILS)	CONCRETE, WOOD	LTS20B
HTT16	(18) 16d	4175 (NAILS)	CONCRETE, WOOD	HTT16
9P-1	(10) 10d	585	WOOD (BOTTOM OF STUD)	9PT22
9P-4	(6) 10d x 1-1/2	135	WOOD (TOP OF STUD)	9PT4
THA/THAC TYP	PER SIMPSON CATALOG	PER SIMPSON CATALOG	SELECTION BASE ON TRUSS WIDTH AND HEIGHT	MSH TYP
CS16	(22) 10d	1650	1" MIN AT EA END FOR WOOD	RS150
MAS	(6) 10d x 1-1/2	1005	SLAB, STEMWALL	FA3
HCP2	(12) 10d x 1-1/2	605	FOR 2x MEMBER	N/A
HCP4	(16) 10d	1000	FOR 4x MEMBER	N/A
A35	(12) 8d x 1/2	450 SHEAR	WOOD	MPA1
CC44, ECCU44	(4) 5/8d BOLTS	1465 (UPLIFT)	ECCU44 AT BEAM END	KCC44, KECCU44
CC66, ECCU66	(6) 5/8d BOLTS	3660 (UPLIFT)	ECCU66 AT BEAM END	KCC66, KECCU66
PC/EPC TYP	PER SIMPSON CATALOG	PER SIMPSON CATALOG	SELECTION BASE ON POST AND BEAM WIDTH	PCM/EPCM TYP
ECCLL44	BOLTS AS REQ	1465 (UPLIFT)	ECCLL44 FOR 4x4 POST	KECCLL44
ECCLL66	(12) 16d	3660 (UPLIFT)	ECCLL66 FOR 6x6 POST	KECCLL66
ABU44	5/8 ANCHOR BOLT	2200	ABU44 FOR 4x4 POST	PAU44
ABU66			ABU66 FOR 6x6 POST	PAU66
HUC410	(18) 16d FOR WOOD	1510	CONCRETE, MASONRY, WOOD FOR 4x10 BM	HD410F
HUC412	(22) 16d FOR WOOD	1510	CONCRETE, MASONRY, WOOD FOR 4x12 BM	HD412F
LUS TYP	PER SIMPSON CATALOG	PER SIMPSON CATALOG	LUS24 FOR 2x6, LUS26 FOR 2x8, LUS28 FOR 2x10, ETC.	JUS TYP

\* SUBJECT TO COORDINATION WITH TRUSS ENGINEERING CRITERIA



1 TYP. SHEARWALL CORNER HOLDOWN  
SCALE 3/4" = 1'-0"



2 TYP. SHEARWALL SHEATHING LAY-OUT  
SCALE N.T.S.

**TRUSS NOTES**

- TRUSSES SHOWN FOR GENERAL CONFIGURATION ONLY. WEB MEMBERS ARE NOT SHOWN, BUT SHALL BE DESIGNED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH THE GENERAL NOTES. WORKING POINTS SHALL BE DETERMINED BY THE TRUSS MANUFACTURER.
- TRUSS MANUFACTURER IS RESPONSIBLE FOR THE DESIGN OF ANY BRIDGING OR BRACING REQUIRED TO BRACE THE TRUSS BOTTOM CHORDS FOR WIND UPLIFT.
- SEE THE ARCHITECTURAL DRAWINGS FOR ELEVATIONS, OVERHANGS AND BEARING CONDITIONS.
- THE CONNECTION OF TRUSS TO TRUSS SHALL BE PROVIDED BY THE TRUSS MANUFACTURER.
- VERIFY TRUSS SLOPE WITH ARCH DRWG PRIOR TO CONSTRUCTION.



FLOOR TRUSS TYPES

- ALL HORIZONTAL & VERTICAL JOINTS SHALL OCCUR OVER FRAMING & SHALL BE ATTACHED IN THE SPACING SHOWN ON SHEARWALL SCHEDULE @ SHEARWALLS. SOLID 2x BLOCKING OR FRAMING MEMBER SHALL BE AT ALL PANEL EDGES.
- FOLLOW SHEATHING ORIENTATION DIAGRAM (BELOW). BOTTOM PLATE OF FIRST FLOOR FRAMING SHALL BE ATTACHED TO FOUNDATION WITH MAS CONNECTORS OR ANCHOR BOLTS AS SCHEDULED.

SHEARWALL SCHEDULE FOR 3 STORY BUILDINGS

TYPE	SHEATHING			SHEATHING NAILING			FND CONN EACH END OF WALL			2nd FLOOR CONN EACH END OF WALL					3rd FLOOR CONN EACH END OF WALL							
	FND-2nd FLR/ROOF	2nd-ROOF @ 2 STORY	3rd-ROOF @ 3 STORY	FND-2nd FLR/ROOF	2nd-ROOF @ 2 STORY	3rd-ROOF @ 3 STORY	CONNECTOR	FND BOLT-1" EMBED DBL NUT EA END	ATTACH TO STUDS	REQ'D STUDS AT END OF WALL	FND SOLE PLATE ATTACHMENT	CONNECTOR	NAILS EACH END OF STRAP AT STUD	THREADED ROD BTUN CONN DBL NUT EA END	BOLTS TO STUDS	REQ'D STUDS AT END OF WALL	CONNECTOR	NAILS EACH END OF STRAP AT STUD	THREADED ROD BTUN CONN DBL NUT EA END	BOLTS TO STUDS	REQ'D STUDS AT END OF WALL	
1	1/16" C-D PLYUD <sup>1</sup>	1/16" C-D PLYUD <sup>2</sup>	1/16" C-D PLYUD <sup>3</sup>	8d NAILS @ 4" O.C.	8d NAILS @ 6" O.C.	8d NAILS @ 6" O.C.	HD5B	5/8" DIA	2-3/4" DIA BOLTS	(3) 3x4	1/2" DIA x 1" EMB. A. BOLTS @ 32" O.C.	CS20x40	(12) 10d	N/A	N/A	(4) 2x4	CS20x40	(12) 10d	N/A	N/A	N/A	(3) 2x4
2	5/8" GYPSUM WALLBOARD <sup>1</sup>	5/8" GYPSUM WALLBOARD <sup>2</sup>	5/8" GYPSUM WALLBOARD <sup>3</sup>	6d COOLER NAILS @ 4" O.C.	6d COOLER NAILS @ 4" O.C.	6d COOLER NAILS @ 4" O.C.	HD5B	5/8" DIA	2-3/4" DIA BOLTS	(3) 3x4	1/2" DIA x 1" EMB. A. BOLTS @ 32" O.C.	CS20x40	(12) 10d	N/A	N/A	(4) 2x4	CS20x40	(12) 10d	N/A	N/A	N/A	(3) 2x4
3	1/16" C-D PLYUD <sup>1</sup>	1/16" C-D PLYUD <sup>2</sup>	1/16" C-D PLYUD <sup>3</sup>	8d NAILS @ 4" O.C.	8d NAILS @ 6" O.C.	8d NAILS @ 6" O.C.	HD5B	5/8" DIA	2-3/4" DIA BOLTS	(3) 3x4	1/2" DIA x 1" EMB. A. BOLTS @ 32" O.C.	CS20x40	(12) 10d	N/A	N/A	(4) 2x4	CS20x40	(12) 10d	N/A	N/A	N/A	(3) 2x4
4	1/16" C-D PLYUD <sup>1</sup>	1/16" C-D PLYUD <sup>2</sup>	N/A	8d NAILS @ 4" O.C.	8d NAILS @ 4" O.C.	N/A	HD5B	5/8" DIA	2-3/4" DIA BOLTS	(3) 2x4	1/2" DIA x 1" EMB. A. BOLTS @ 32" O.C.	CS20x40	(12) 10d	N/A	N/A	(4) 2x4	N/A	N/A	N/A	N/A	N/A	N/A

- <sup>1</sup> SHEATH BOTH FACES OF WOOD BEARING WALL. PROVIDE SOLID BLOCKING AT ALL SHEET EDGES, AND AT 4'-0" O.C. MAXIMUM BETWEEN STUDS.
- <sup>2</sup> THIS IS AN INTERIOR PARTY WALL, WITH SHEATHING ON ONE FACE ONLY. PROVIDE THE SHEARWALL SHEATHING SCHEDULED APPLIED DIRECTLY TO THE STUDS WITH THE SCHEDULED NAILING PATTERN.
- <sup>3</sup> SHEATH EXTERIOR FACE WITH SHEARWALL SCHEDULED, AND THE INTERIOR FACE OF STUDS AS SPECIFIED IN THE GENERAL NOTES FOR INTERIOR WALLS.
- <sup>4</sup> ALL ANCHOR BOLTS SHALL HAVE 2" DIA WASHERS.

NOTES:

- ALL HD, MAS, AND CS FASTENERS ARE AS MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, INC., OR EQUAL.
- WHERE SCHEDULED ADDITIONAL STUDS AT THE ENDS OF SHEAR WALLS ARE INTERRUPTED AT TRUSS BEARING, PROVIDE SOLID BLOCKING IN THE TRUSS SPACE TO MATCH THE STUDS SCHEDULED FOR THE LOWER FLOOR.
- WHERE SCHEDULED SHEATHING CANNOT EXTEND FULL HEIGHT OF WALL, PROVIDE SHEATHING OR BLOCKING BETWEEN FLOOR TRUSSES AT ALL SHEARWALLS.
- SHEATHING SHALL EXTEND FULL HEIGHT OF SHEARWALLS. STAGGER SHEATHING HORIZONTAL JOINTS SO THEY DO NOT FALL AT HORIZONTAL JOINT BETWEEN DOUBLE TOP PLATES.
- WHEREVER THE SHEATHING OF A SHEAR WALL IS INTERRUPTED (I.E. BY AN INTERSECTING WALL) IN THE VERTICAL PLANE, THE SCHEDULED "ADD'L STUD AT END OF WALL" AND HOLDDOWN ANCHORS SHALL BE PROVIDED AT THE END OF THE SHEATHING (ONE EACH SIDE OF THE INTERRUPTION). THE QUANTITY OF SHEARWALL CALLOUTS ON THE PLANS MAY NOT ACCURATELY REFLECT THE NUMBER OF HOLDDOWNS REQUIRED BECAUSE OF THIS. THE CONTRACTOR MUST FIRST DETERMINE WHERE THE SHEARWALL SHEATHING WILL BE INTERRUPTED BEFORE DETERMINING THE NUMBER HOLDDOWNS REQUIRED.
- WHERE BOLTS ARE CALLED OUT FOR HOLDDOWN ANCHORS, THE BOLTS SHALL BE THROUGH BOLTS CONFORMING TO ASTM A307.
- 1/16" O.S.B. MAY BE USED IN LIEU OF THE 1/16" C-DX PLYWOOD SHEATHING EXCEPT FOR ROOF TRUSS SHEATHING.
- ANCHOR BOLTS SHALL ALL HAVE 3" HOOKS. A36 ALL THREAD RODS, DRILLED AND EPOXY SET INTO FOOTINGS, MAY BE SUBSTITUTED FOR ANCHOR BOLTS CAST IN PLACE. ALL THREAD RODS SHALL HAVE SAME EMBEDMENT DEPTH AS ANCHOR BOLTS.

ISSUE HISTORY

No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description
-	-	-

**FUGLEBERG KOCH**  
PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-4595  
www.fuglebergkoch.com BR569

CONSULTANT

**ASE ENGINEERING SERVICES, INC.**  
STRUCTURAL DESIGN GROUP

TO THE BEST OF MY KNOWLEDGE, THE BUILDING DESIGN PLANS AND SPECIFICATIONS CONFORM WITH BUILDING REGULATIONS, BUILDING CODES AND STANDARDS AND ARE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND SPECIFICATIONS AND ARE NOT BEING PREPARED OR USED FOR THE DESIGN OF STRUCTURAL COMPONENTS AFFECTED BY LIVE AND DEAD LOADS.

10244 East Colonial Drive, Suite 202  
Orlando, Florida 32811 - 407-677-5560 Fax 407-730-2999  
Certificate of Authorization No. ZS873

Mengsheng Xia P.E.  
Florida No. 51161

**THE ROBERT**  
FT. MYERS, FL

Drawn: CW  
Checked: CW  
Approval: MX  
Date: 09/10/2019  
Project #: 5592

GENERAL NOTES  
BLDG TYPES 1, 2 & 3

**S0.02**

PLAN NOTES:

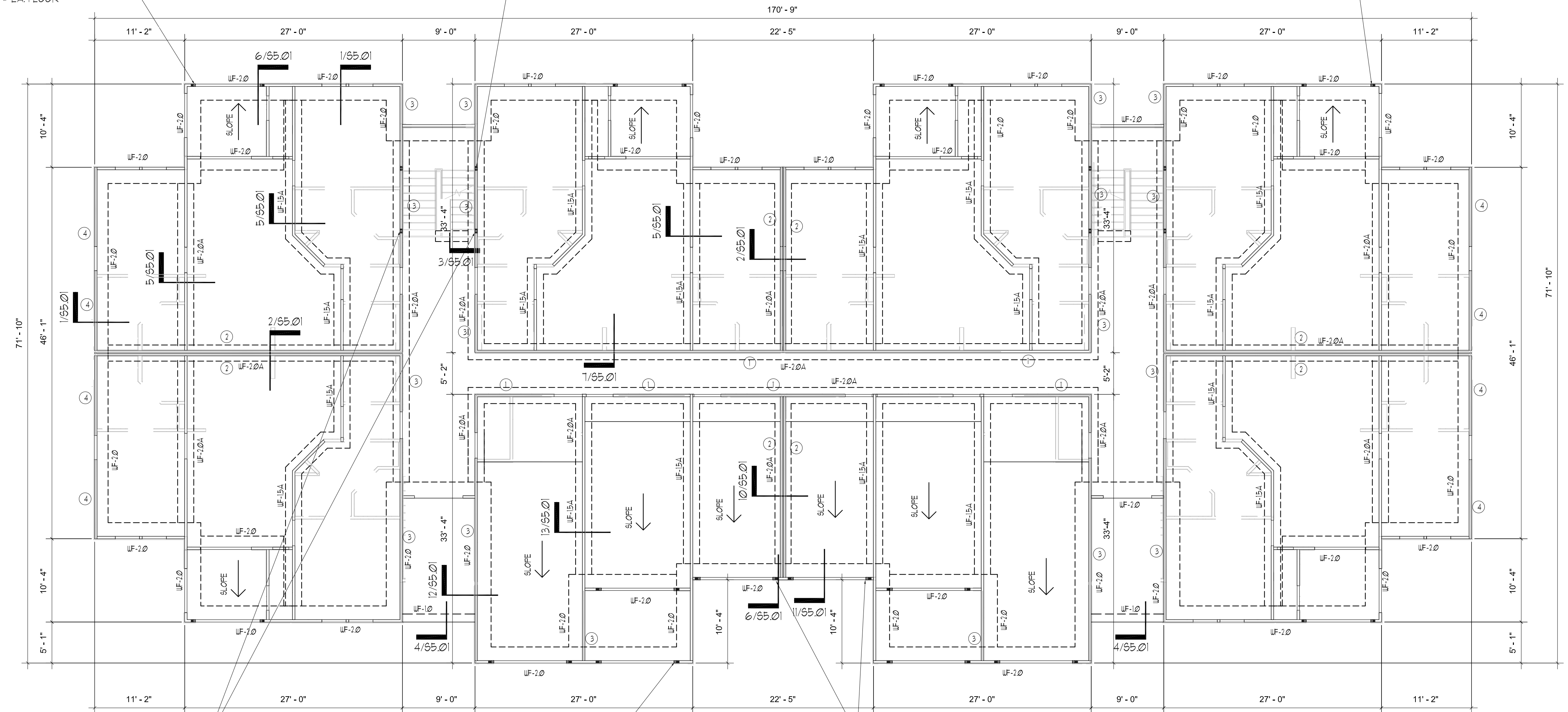
- 1 SEE GENERAL NOTES ON SHEETS 50.01 & 50.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 4" (TOTAL) CONCRETE SLAB REINFORCED WITH 6x6- W/4x4 W/UF OVER 10 MIL VAPOR BARRIER ON COMPACTED SUBGRADE. COORDINATE ALL SLAB SLOPES, DEPRESSIONS AND LIMITS THERE OF WITH ARCH'L. DRAWINGS (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L. AND / OR CIVIL DRAWINGS)
- 4 PRIOR TO CONCRETE PLACEMENT PROVIDE TERMITE SOIL TREATMENT WITH TEN YEAR WARRANTY AND FOUR ANNUAL INSPECTIONS AND RENEWALS. SEE ARCHITECTURAL FOR REQUIREMENT.
- 5 INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET 50.02 FOR SHEAR WALL INFORMATION.
- 6 THE MAX. SPACING OF CONTROL JOINT FOR ENCLOSURE SPACE SHALL BE 2'-0" O.C., AND FOR OPEN SPACE SHALL BE 8'-0" O.C. COORD. W/ FLOOR COVERING PLACEMENT. SEND SUBMITTAL TO ARCHITECT FOR REVIEW.
- 7 SEE ARCH'L. DRAWINGS FOR LOCATIONS / LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES.
- 8 COORDINATE ALL SLAB (TOPPING) SLOPES AND DEPRESSIONS WITH ARCH'L. DRAWINGS. (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L. DRAWINGS)
- 9 SEE MECHANICAL DRAWINGS FOR LOCATION (ON PLANK) OF MECHANICAL UNITS, H.C. MANUFACTURER / SUPPLIER TO DESIGN FOR UNIT WEIGHT. AS REQUIRED VERIFY WEIGHTS WITH MECHANICAL DRAWINGS.
- 10 INDICATES MASONRY BEARING WALLS REINFORCED WITH (1)-#5 VERTICAL GROUT FILLED CELLS SOLID AT ALL CORNERS, ADJACENT MASONRY OPENINGS AND 24" O.C. (MAX).
- 11 SEE 16417/55.02 FOR THE 2X4 BLOCKING BETWEEN BEARING WALL FLOOR LEVEL.

MARK	SIZE		REINFORCEMENT BOTTOM
	WIDTH	LENGTH x DEPTH	
UF-1.0	1'-0"	CONT.X2'-2"	(2)-#5 CONT.
UF-1.5A	1'-6"	CONT.X1'-0"	(2)-#5 CONT. #4 @ 48" O.C. TRANSVERSE
UF-2.0	2'-0"	CONT.X2'-2"	(2)-#5 CONT. #4 @ 48" O.C. TRANSVERSE
UF-2.0A	2'-0"	CONT.X1'-0"	(3)-#5 CONT. #4 @ 48" O.C. TRANSVERSE
F-2.5A	2'-6"	2'-6"X1'-0"	(3)-#5 EA WAY
F-2.5	2'-6"	2'-6"X1'-0"	(3)-#5 EA WAY

4x4 HEADER SUPPORT & (3) FULL LENGTH STUDS AT BALCONY BM 1ST FLOOR ONLY W/ SIMPSON HTT4 TO FOOTING.  
4x4 AND (2) FULL LENGTH STUDS ABOVE FROM 2ND FLOOR TO ROOF W/ (2) SIMPSON C518 @ EA. FLOOR LEVEL TYP.

4x4 PLUS (2) 2x4 NAILED W/ 16d NAILS @ 8" O.C. BELOW LANDING LVL. BEAM STRAPPED TO FOOTING W/ SIMPSON HTT4. CONTINUE COL. PACK TO 3RD FLOOR LANDING W/ BLOCKING BETWEEN EA. FLOOR TYP.

4x4 HEADER SUPPORT & (3) FULL LENGTH STUDS AT BALCONY BM 1ST FLOOR ONLY W/ SIMPSON HTT4 TO FOOTING.  
4x4 AND (2) FULL LENGTH STUDS ABOVE FROM 2ND FLOOR TO ROOF W/ (2) SIMPSON C518 @ EA. FLOOR LEVEL TYP.



4x4 PLUS (2) 2x4 NAILED W/ 16d NAILS @ 8" O.C. BELOW LANDING LVL. BEAM STRAPPED TO FOOTING W/ SIMPSON HTT4. CONTINUE COL. PACK TO 3RD FLOOR LANDING W/ BLOCKING BETWEEN EA. FLOOR TYP.

4x4 HEADER SUPPORT & (3) FULL LENGTH STUDS EACH SIDE OF OPENING W/ SIMPSON HTT4 TO FOOTING TYP.

4x4 HEADER SUPPORT & (3) FULL LENGTH STUDS AT EA. END OF GARAGE DOOR HEADER. STRAP TO FOOTING W/ SIMPSON HTT4 TYP.

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

ISSUE HISTORY		
No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

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PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-4595  
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CONSULTANT

**ASE ENGINEERING SERVICES, INC.**  
STRUCTURAL DESIGN GROUP

TO THE BEST OF MY KNOWLEDGE, THE BUILDING DESIGN PLANS AND SPECIFICATIONS COMPLY WITH ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS. I AM NOT PROVIDING AND SPECIFICATIONS ARE ONLY FOR THE BUILDING'S STRUCTURAL COMPONENTS AFFECTED BY AND LIVE AND DEAD LOADS.

10244 East Colonial Drive, Suite 202  
Orlando, Florida 32811 - 407-671-5560 Fax 407-730-2999  
Certificate of Authorization No. ZS873

Mensheng Xie P.E.  
Florida No. 51161

**THE ROBERT**  
FT. MYERS, FL

Drawn: CW
Checked: CW
Approved: MX
Date: 09/10/2019
Project #: 5582

**BUILDING TYPE 1**  
**FOUNDATION PLAN**

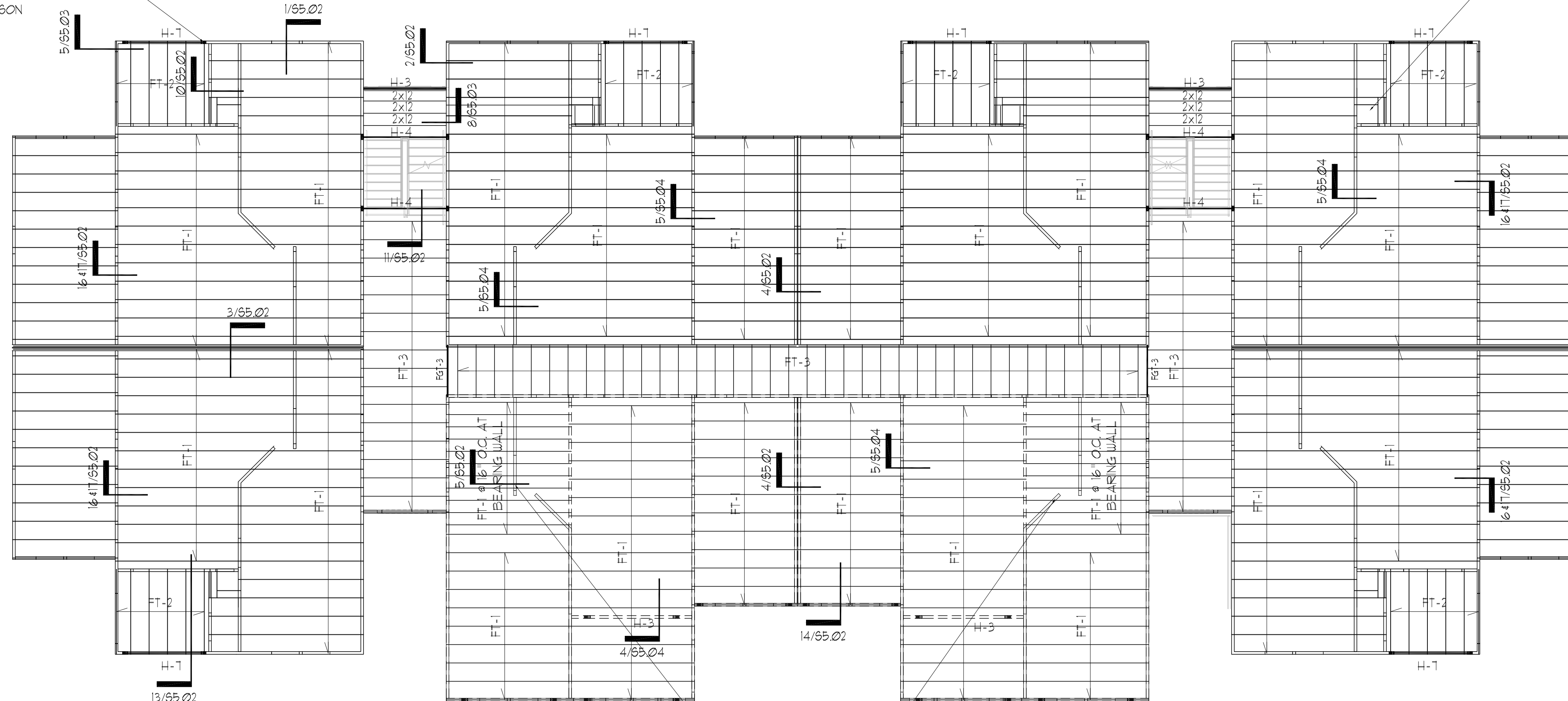
**S1.01**

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET 50.01 & 50.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 ○ INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET 50.02 FOR SHEAR WALL INFORMATION.
- 4 SEE ARCH'L. DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET 50.01) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 5 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON 50.01 SHEET.
- 6 PRE-ENGINEERED 18" DEEP WOOD TRUSSES AT 24" O.C. (MAX) UNO, 15" DEEP WOOD TRUSSES AT 24" O.C. (MAX) UNO AT BALCONY/BREEZEWAY WITH 3/4" P.T. C-D PLYWOOD SHEATHING.
- 7 COORDINATE LOCATION OF FLOOR TRUSSES W/ MECH. DUGS FOR LOCATION OF EXHAUST FAN, AIR HANDLING, AND DUCTS.
- 8 F.G.T. INDICATES FLOOR GIRDER TRUSS.
- 9 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 10 SEE THE GENERAL NOTES FOR FLOOR SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. CONTINUOUS TO THE FTG. UNO. (PROVIDE (2) 2X4 WOOD BLOCKING BETWEEN TRUSS TOP AND BOTTOM CORDS BELOW)
- 12 AT DOORWAYS FOR INTERIOR BEARING WALLS, ADD A (2) 2x BLOCKING BETWEEN FLOOR LEVELS.
- 13 SEE ARCH DRAWINGS FOR SPECS ON LIGHTWEIGHT CONCRETE OVER WOOD JOIST TYP.
- 14 ■■■■■ INDICATES MASONRY BEARING WALLS REINFORCED WITH (1)-#5 VERTICAL GROUT FILLED CELLS SOLID AT ALL CORNERS, ADJACENT MASONRY OPENINGS AND 24" O.C. (MAX).
- 15 PROVIDE DOUBLE KNOCK OUT BLOCK BOND BEAM AT EA FLOOR LEVEL WITH #5 BARS AT EA COURSE.
- 16 PROVIDE PRECAST "U" LINTELS OVER ALL OPENINGS IN MASONRY WALL (COORD. EXACT SIZE, LOCATIONS AND ELEVATIONS WITH ARCH'L. DRAWINGS). IF NO LINTEL TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE MASONRY LINTEL TYPE, 8F16-1B/1T, AND 8F14-1B/1T FOR DOOR SEE "LINTEL SCHEDULE" (ON SHEET 55.05) FOR LINTEL TYPE SIZES AND REINFORCING. PROVIDE TEMPORARY SHORING DURING CONSTRUCTION IF LINTEL SPAN IS GREATER THAN 6 (SIX) FEET.

H-4 ATTACHED STUDS BELOW W/(2) SIMPSON HTS20 AND ABOVE STUDS ATTACHED TO H-4 W/ (2) SIMPSON HTS20 TYP.

OPENING FOR AIR DUCT TYP.



1 2ND FLOOR PLAN  
SCALE: 1/8" = 1'-0"

PERMIT REVIEW STAMP

ISSUE HISTORY		
No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

  
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 www.fuglebergkoch.com BR569

CONSULTANT

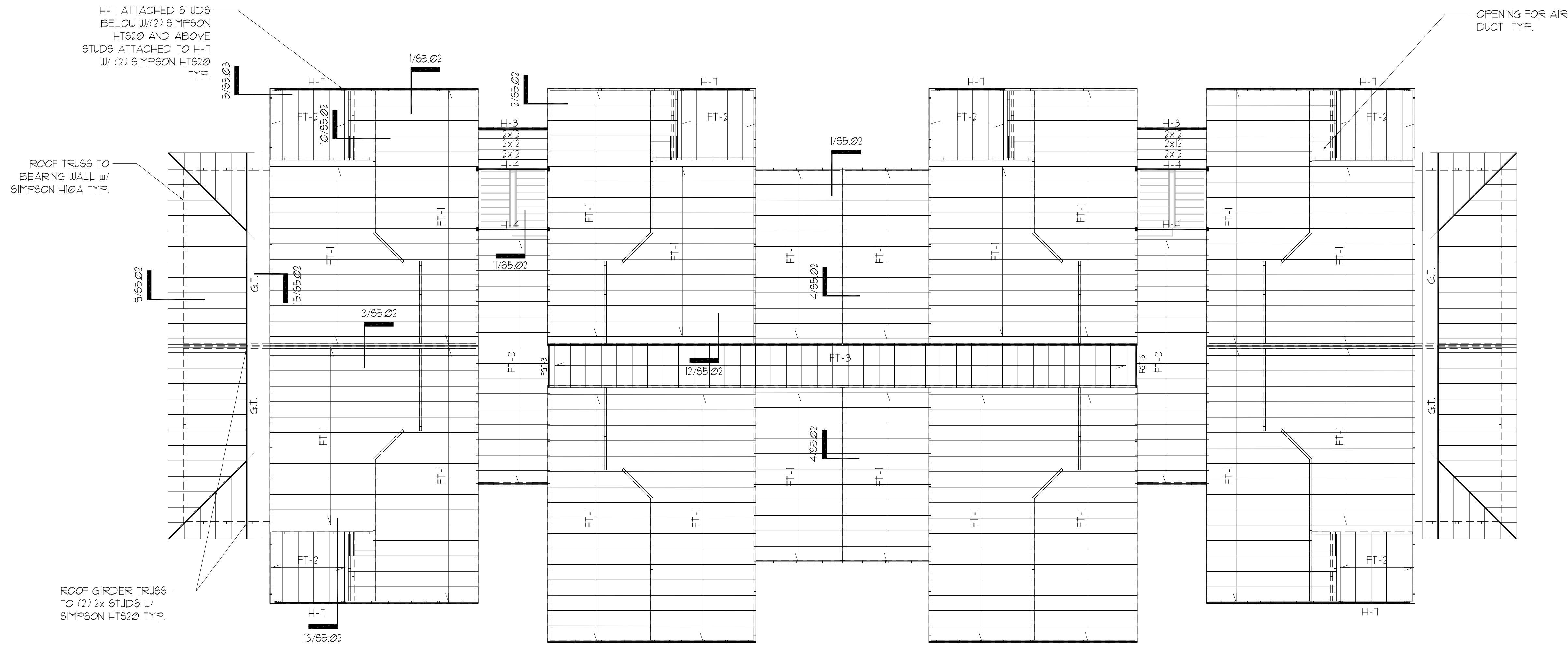
**ASE ENGINEERING SERVICES, INC.**  
 STRUCTURAL DESIGN GROUP  
TO THE BEST OF HIS KNOWLEDGE, THE BUILDING DESIGN PLANS AND SPECIFICATIONS COMPLY WITH BUILDING REGULATIONS, BUILDING DEPARTMENT AND SEA-NO-10-PLANS AND SPECIFICATIONS ARE ONLY FOR THE BUILDING'S STRUCTURAL COMPONENTS AFFECTED BY AND LIVE AND GRAVITY LOADS.  
10244 East Colonial Drive, Suite 202  
 Orlando, Florida 32811 - 407-677-5560 Fax 407-730-2999  
 Certificate of Authorization No. Z5873  
Mensheng Xie P.E.  
 Florida No. 51161

<b>THE ROBERT</b> FT. MYERS, FL	Drawn: CW Checked: CW Approval: MX Date: 09/10/2019 Project #: 5592
<b>BUILDING TYPE 1</b> <b>2ND FLOOR FRAMING PLAN</b>	
<b>S1.02</b>	

12-09-19 PLOTTED:

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET 50.01 & 50.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
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- 4 SEE ARCH'L. DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET 50.01) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 5 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON 50.01 SHEET.
- 6 PRE-ENGINEERED 18" DEEP WOOD TRUSSES AT 24" O.C. (MAX) UNO, 15" DEEP WOOD TRUSSES AT 24" O.C. (MAX) UNO AT BALCONY/BREEZEWAY WITH 3/4" P.T. C-D PLYWOOD SHEATHING.
- 7 COORDINATE LOCATION OF FLOOR TRUSSES W/ MECH. DUCTS FOR LOCATION OF EXHAUST FAN, AIR HANDLING, AND DUCTS.
- 8 F.G.T. INDICATES FLOOR GIRDER TRUSS.
- 9 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 10 SEE THE GENERAL NOTES FOR FLOOR SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. CONTINUOUS TO THE FTG. UNO. (PROVIDE (2) 2x4 WOOD BLOCKING BETWEEN TRUSS TOP AND BOTTOM CORDS BELOW)
- 12 AT DOORWAYS FOR INTERIOR BEARING WALLS, ADD A (2) 2x BLOCKING BETWEEN FLOOR LEVELS.
- 13 SEE ARCH DRAWINGS FOR SPECS ON LIGHTWEIGHT CONCRETE OVER WOOD JOIST TYP.
- 14 ■■■■■ INDICATES MASONRY BEARING WALLS REINFORCED WITH (1)-#5 VERTICAL GROUT FILLED CELLS SOLID AT ALL CORNERS, ADJACENT MASONRY OPENINGS AND 24" O.C. (MAX).
- 15 PROVIDE DOUBLE KNOCK OUT BLOCK BOND BEAM AT EA FLOOR LEVEL WITH #5 BARS AT EA COURSE.
- 16 PROVIDE PRECAST "U" LINTELS OVER ALL OPENINGS IN MASONRY WALL (COORD. EXACT SIZE, LOCATIONS AND ELEVATIONS WITH ARCH'L. DRAWINGS). IF NO LINTEL TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE MASONRY LINTEL TYPE: 8F16-1B/1T, AND 8F14-1B/1T FOR DOOR SEE "LINTEL SCHEDULE" (ON SHEET 55.05) FOR LINTEL TYPE SIZES AND REINFORCING. PROVIDE TEMPORARY SHORING DURING CONSTRUCTION IF LINTEL SPAN IS GREATER THAN 6 (SIX) FEET.



1 3RD FLOOR PLAN  
SCALE: 1/8" = 1'-0"

ISSUE HISTORY		
No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

**FUGLEBERG KOCH**  
PLLC

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www.fuglebergkoch.com BR569

CONSULTANT

**ASE ENGINEERING SERVICES, INC.**  
STRUCTURAL DESIGN GROUP  
TO THE BEST OF OUR KNOWLEDGE, THE BUILDING DESIGN AND ALL THE INFORMATION CONTAINED HEREIN COMPLY WITH ALL APPLICABLE REGULATORY CODES, ORDINANCES, AND SPECIFICATIONS AND SPECIFICATIONS FOR STRUCTURAL COMPONENTS SPECIFIED BY UNIFORM AND GRAVITY LOADS.  
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Orlando, Florida 32817 • 407-677-2565 Fax 407-730-2999  
Certificate of Authorization No. 25873  
Misheng Xia P.E.  
Florida No. 01161

<b>THE ROBERT</b> FT. MYERS, FL	Drawn: CW Checked: CW Approval: MX Date: 09/10/2019 Project #: 5502
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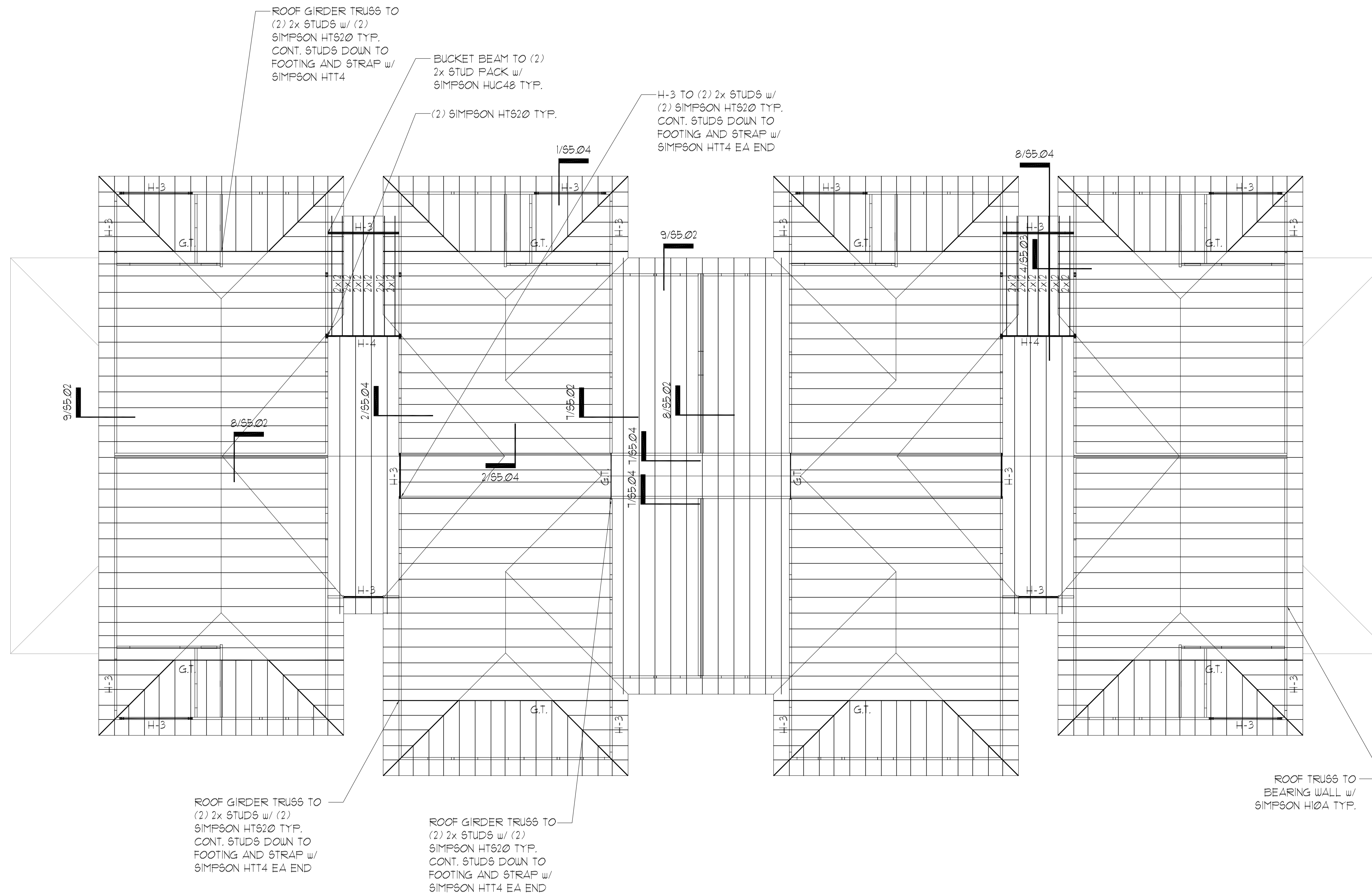
**BUILDING TYPE 1**  
**3RD FLOOR FRAMING PLAN**

S1.03

12-09-19  
PLOTTED:

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET S001 & S002.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 SEE ARCH'L. DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET S001) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 4 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN. PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON S001 SHEET.
- 5 PRE-ENGINEERED WOOD TRUSSES & MISCELLANEOUS WOOD FRAMING SPACED AT 24" O.C. (MAX).
- 6 O.B. INDICATES OVER-BUILT PRE-ENG. TRUSS.
- 7 G.T. INDICATES GIRDER TRUSS.
- 8 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 9 SEE THE GENERAL NOTES FOR ROOF SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 10 TRUSS ENGINEER TO DESIGN TRUSS TO INCORPORATE LOADS FROM MECHANICAL UNITS.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. TO THE FTG. UNO.



1 ROOF FRAMING PLAN  
SCALE: 1/8" = 1'-0"

PERMIT REVIEW STAMP

ISSUE HISTORY		
No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

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2555 Temple Trail, Winter Park, FL 32789 (407) 629-6595  
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CONSULTANT

**ASE ENGINEERING SERVICES, INC.**  
STRUCTURAL DESIGN GROUP

TO THE BEST OF MY KNOWLEDGE, THE BUILDING DESIGN IS IN ACCORDANCE WITH THE SPECIFICATIONS AND REQUIREMENTS OF THE FLORIDA BUILDING CODE, THE NATIONAL BUILDING SPECIFICATIONS, AND THE REQUIREMENTS OF THE FLORIDA AND SPECIFICATIONS FOR STRUCTURAL STEEL, THE REQUIRED COMPONENTS SPECIFIED BY UNIFORM AND GRAVITY LOADS.

10244 East Colonial Drive, Suite 202  
Orlando, Florida 32817 - 407-677-3565 Fax 407-730-2999  
Certificate of Authorization No. 25873

Misheng Xia P.E.  
Florida No. 51161

Drawn:	CW
Checked:	CW
Approved:	MX
Date:	09/10/2019
Project #:	5502

**THE ROBERT**  
FT. MYERS, FL

**BUILDING TYPE 1  
ROOF FRAMING PLAN**

**S1.04**

12-09-19  
PLOTTED:

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEETS 50.01 & 50.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 4" (TOTAL) CONCRETE SLAB REINFORCED WITH 6x6- W/4X4 W/UF OVER 10 MIL VAPOR BARRIER ON COMPACTED SUBGRADE. COORDINATE ALL SLAB SLOPES, DEPRESSIONS AND LIMITS THERE OF WITH ARCH'L. DRAWINGS (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L. AND / OR CIVIL DRAWINGS)
- 4 PRIOR TO CONCRETE PLACEMENT PROVIDE TERMITE SOIL TREATMENT WITH TEN YEAR WARRANTY AND FOUR ANNUAL INSPECTIONS AND RENEWALS. SEE ARCHITECTURAL FOR REQUIREMENT.
- 5 ○ INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET 50.02 FOR SHEAR WALL INFORMATION.
- 6 THE MAX. SPACING OF CONTROL JOINT FOR ENCLOSURE SPACE SHALL BE 2'-0" O.C. AND FOR OPEN SPACE SHALL BE 8'-0" O.C. COORD. W/ FLOOR COVERING PLACEMENT. SEND SUBMITTAL TO ARCHITECT FOR REVIEW.
- 7 SEE ARCH'L. DRAWINGS FOR LOCATIONS / LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES.
- 8 COORDINATE ALL SLAB (TOPPING) SLOPES AND DEPRESSIONS WITH ARCH'L. DRAWINGS. (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L. DRAWINGS)
- 9 SEE MECHANICAL DRAWINGS FOR LOCATION (ON PLANK) OF MECHANICAL UNITS, H.C. MANUFACTURER / SUPPLIER TO DESIGN FOR UNIT WEIGHT. AS REQUIRED VERIFY WEIGHTS WITH MECHANICAL DRAWINGS.
- 10 ■■■■■ INDICATES MASONRY BEARING WALLS REINFORCED WITH (1)-#5 VERTICAL GROUT FILLED CELLS SOLID AT ALL CORNERS, ADJACENT MASONRY OPENINGS AND 24" O.C. (MAX).
- 11 SEE 16 417/55.02 FOR THE 2X4 BLOCKING BETWEEN BEARING WALL FLOOR LEVEL.

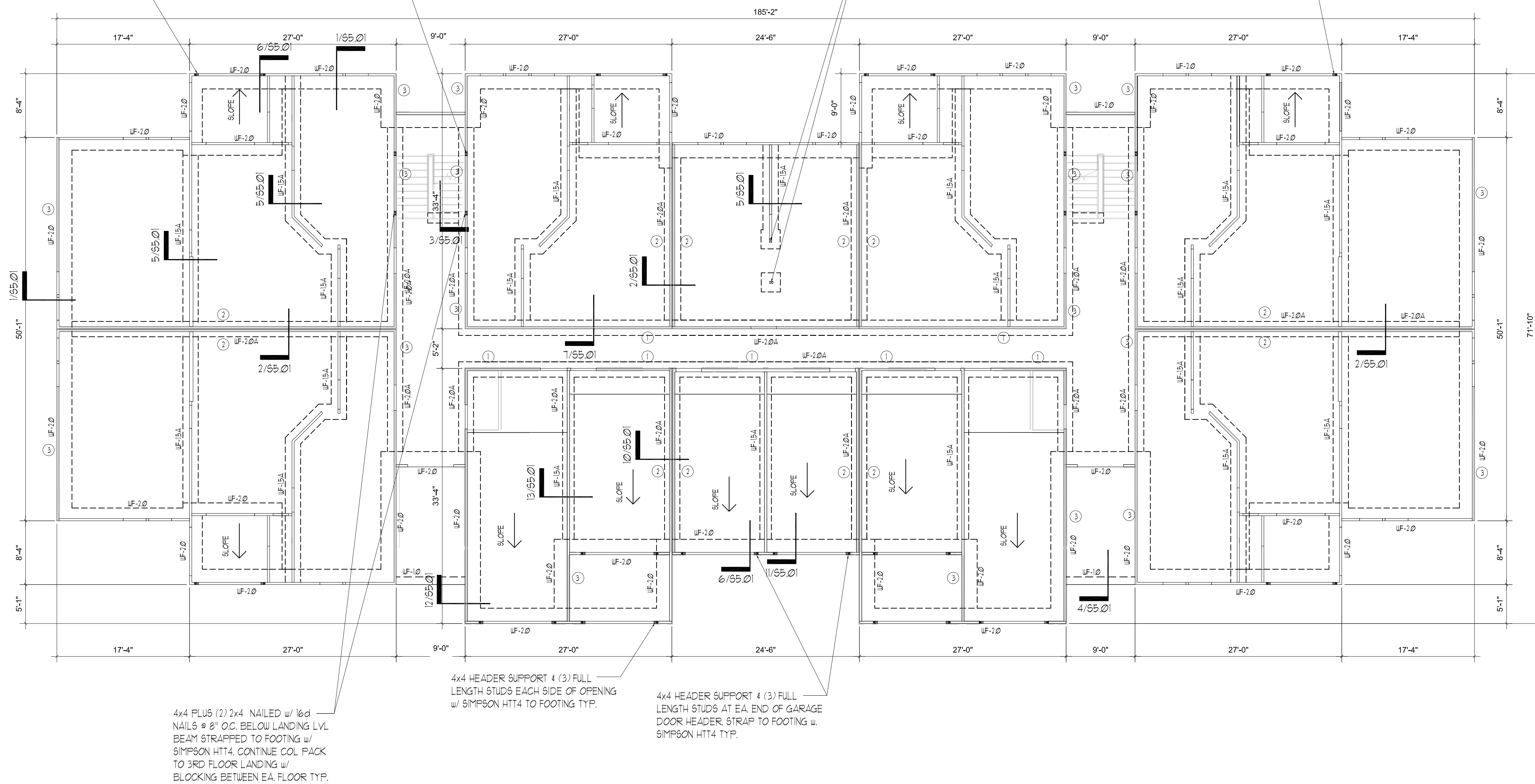
MARK	SIZE		REINFORCEMENT BOTTOM
	WIDTH	LENGTH x DEPTH	
UF-1.0	1'-0"	CONT.X2'-2"	(2)-#5 CONT.
UF-1.5A	1'-6"	CONT.X1'-0"	(2)-#5 CONT. #4's @ 48" O.C. TRANSVERSE
UF-2.0	2'-0"	CONT.X2'-2"	(2)-#5 CONT. #4's @ 48" O.C. TRANSVERSE
UF-2.0A	2'-0"	CONT.X1'-0"	(3)-#5 CONT. #4's @ 48" O.C. TRANSVERSE
F-2.5A	2'-6"	X2'-6" X1'-0"	(3)-#5 EA WAY
F-2.5	2'-6"	X2'-6" X1'-0"	(3)-#5 EA WAY

4x4 HEADER SUPPORT & (3) FULL LENGTH STUDS AT BALCONY BM 1ST FLOOR ONLY W/ SIMPSON HT4 TO FOOTING.  
4x4 AND (2) FULL LENGTH STUDS ABOVE FROM 2ND FLOOR TO ROOF W/ (2) SIMPSON CS10 @ EA. FLOOR LEVEL TYP.

4x4 PLUS (2) 2x4 NAILED W/ 16d NAILS @ 8" O.C. BELOW LANDING LVL. BEAM STRAPPED TO FOOTING W/ SIMPSON HT4. CONTINUE COL. PACK TO 3RD FLOOR LANDING W/ BLOCKING BETWEEN EA. FLOOR TYP.

4x4 PLUS (2) 2x4 NAILED W/ 16d NAILS @ 8" O.C. BELOW FLOOR GIRDER TRUSS STRAPPED TO FOOTING W/ SIMPSON LTT19. CONTINUE COL. PACK TO 3RD FLOOR W/ BLOCKING BETWEEN EA. FLOOR TYP.

4x4 HEADER SUPPORT & (3) FULL LENGTH STUDS AT BALCONY BM 1ST FLOOR ONLY W/ SIMPSON HT4 TO FOOTING.  
4x4 AND (2) FULL LENGTH STUDS ABOVE FROM 2ND FLOOR TO ROOF W/ (2) SIMPSON CS10 @ EA. FLOOR LEVEL TYP.



4x4 PLUS (2) 2x4 NAILED W/ 16d NAILS @ 8" O.C. BELOW LANDING LVL. BEAM STRAPPED TO FOOTING W/ SIMPSON HT4. CONTINUE COL. PACK TO 3RD FLOOR LANDING W/ BLOCKING BETWEEN EA. FLOOR TYP.

4x4 HEADER SUPPORT & (3) FULL LENGTH STUDS EACH SIDE OF OPENING W/ SIMPSON HT4 TO FOOTING TYP.

4x4 HEADER SUPPORT & (3) FULL LENGTH STUDS AT EA. END OF GARAGE DOOR HEADER STRAP TO FOOTING W/ SIMPSON HT4 TYP.

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

ISSUE HISTORY		
No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

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PLLC

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www.fuglebergkoch.com BR569

CONSULTANT

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10244 East Colonial Drive, Suite 202  
Orlando, Florida 32811 - 407-677-5560 Fax 407-730-2999  
Certificate of Authorization No. ZS873

Mensheng Xie P.E.  
Florida No. 51161

Drawn:	CW
Checked:	CW
Approved:	MX
Date:	09/10/2019
Project #:	5552

**THE ROBERT**  
FT. MYERS, FL

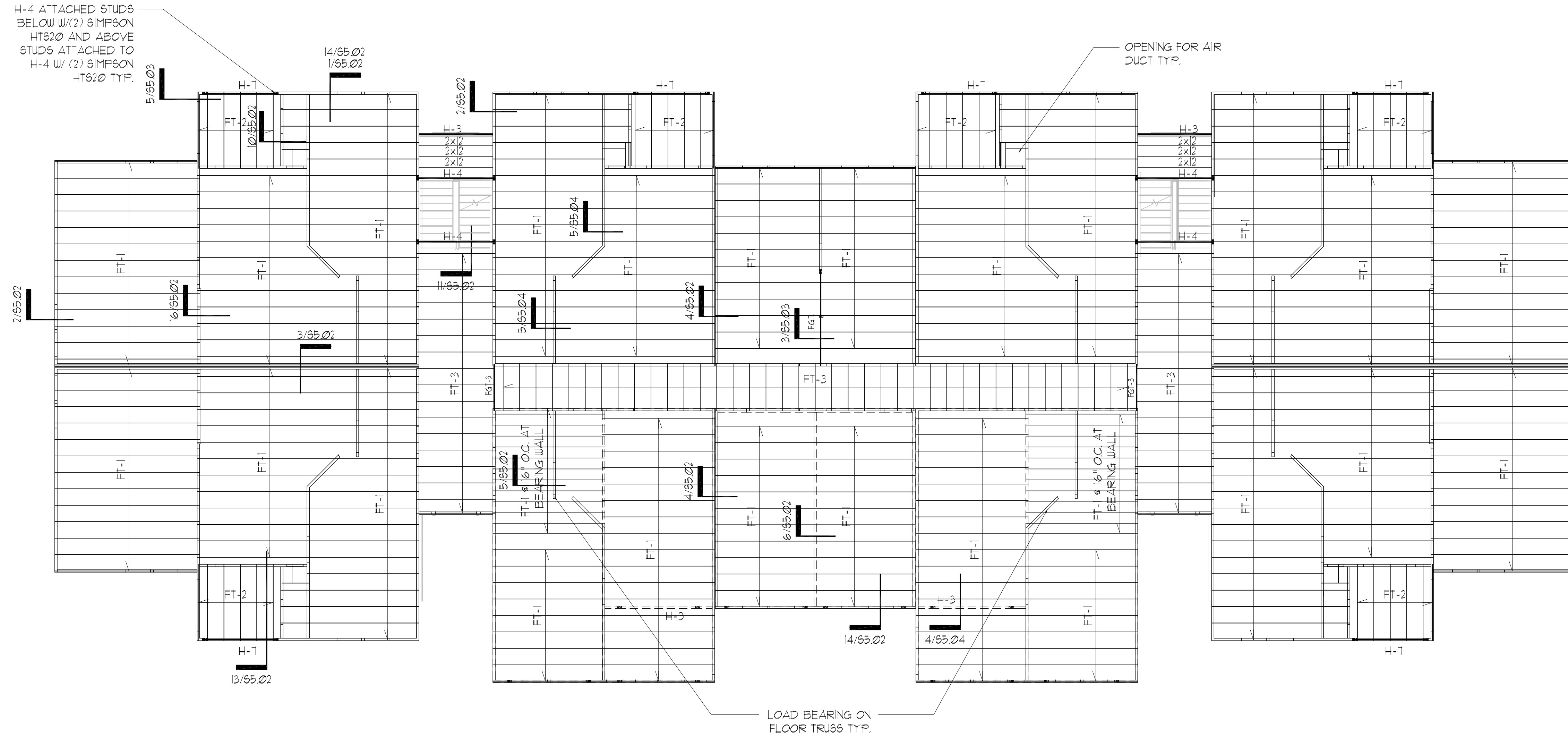
**BUILDING TYPE 2  
FOUNDATION PLAN**

**S2.01**

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PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET 50.01 & 50.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 ○ INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET 50.02 FOR SHEAR WALL INFORMATION.
- 4 SEE ARCH'L. DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET 50.01) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 5 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON 50.01 SHEET.
- 6 PRE-ENGINEERED 18" DEEP WOOD TRUSSES AT 24" O.C. (MAX) UNO, 15" DEEP WOOD TRUSSES AT 24" O.C. (MAX) UNO AT BALCONY/BREEZEWAY WITH 3/4" P.T. C-D PLYWOOD SHEATHING.
- 7 COORDINATE LOCATION OF FLOOR TRUSSES W/ MECH. DUGS FOR LOCATION OF EXHAUST FAN, AIR HANDLING, AND DUCTS.
- 8 F.G.T. INDICATES FLOOR GIRDER TRUSS.
- 9 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 10 SEE THE GENERAL NOTES FOR FLOOR SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. CONTINUOUS TO THE FTG. UNO. (PROVIDE (2) 2X4 WOOD BLOCKING BETWEEN TRUSS TOP AND BOTTOM CORDS BELOW)
- 12 AT DOORWAYS FOR INTERIOR BEARING WALLS, ADD A (2) 2x BLOCKING BETWEEN FLOOR LEVELS.
- 13 SEE ARCH DRAWINGS FOR SPECS ON LIGHTWEIGHT CONCRETE OVER WOOD JOIST TYP.
- 14 [Hatched Pattern] INDICATES MASONRY BEARING WALLS REINFORCED WITH (1)-#5 VERTICAL GROUT FILLED CELLS SOLID AT ALL CORNERS, ADJACENT MASONRY OPENINGS AND 24" O.C. (MAX).
- 15 PROVIDE DOUBLE KNOCK OUT BLOCK BOND BEAM AT EA FLOOR LEVEL WITH #5 BARS AT EA COURSE.
- 16 PROVIDE PRECAST "U" LINTELS OVER ALL OPENINGS IN MASONRY WALL (COORD. EXACT SIZE, LOCATIONS AND ELEVATIONS WITH ARCH'L. DRAWINGS). IF NO LINTEL TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE MASONRY LINTEL TYPE: 8F16-1B/IT, AND 8F14-1B/IT FOR DOOR SEE "LINTEL SCHEDULE" (ON SHEET 55.05) FOR LINTEL TYPE SIZES AND REINFORCING. PROVIDE TEMPORARY SHORING DURING CONSTRUCTION IF LINTEL SPAN IS GREATER THAN 6 (SIX) FEET.



1 2ND FLOOR PLAN  
SCALE: 1/8" = 1'-0"

ISSUE HISTORY

No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

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2555 Temple Trail, Winter Park, FL 32789 (407) 624-6595  
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CONSULTANT

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STRUCTURAL DESIGN GROUP

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10244 East Colonial Drive, Suite 202  
Orlando, Florida 32817 - 407-677-5565 Fax 407-730-2999  
Certificate of Authorization No. 25873

Misheng Xia P.E.  
Florida No. 51161

**THE ROBERT**  
FT. MYERS, FL

**BUILDING TYPE 2**  
**2ND FLOOR FRAMING PLAN**

**S2.02**

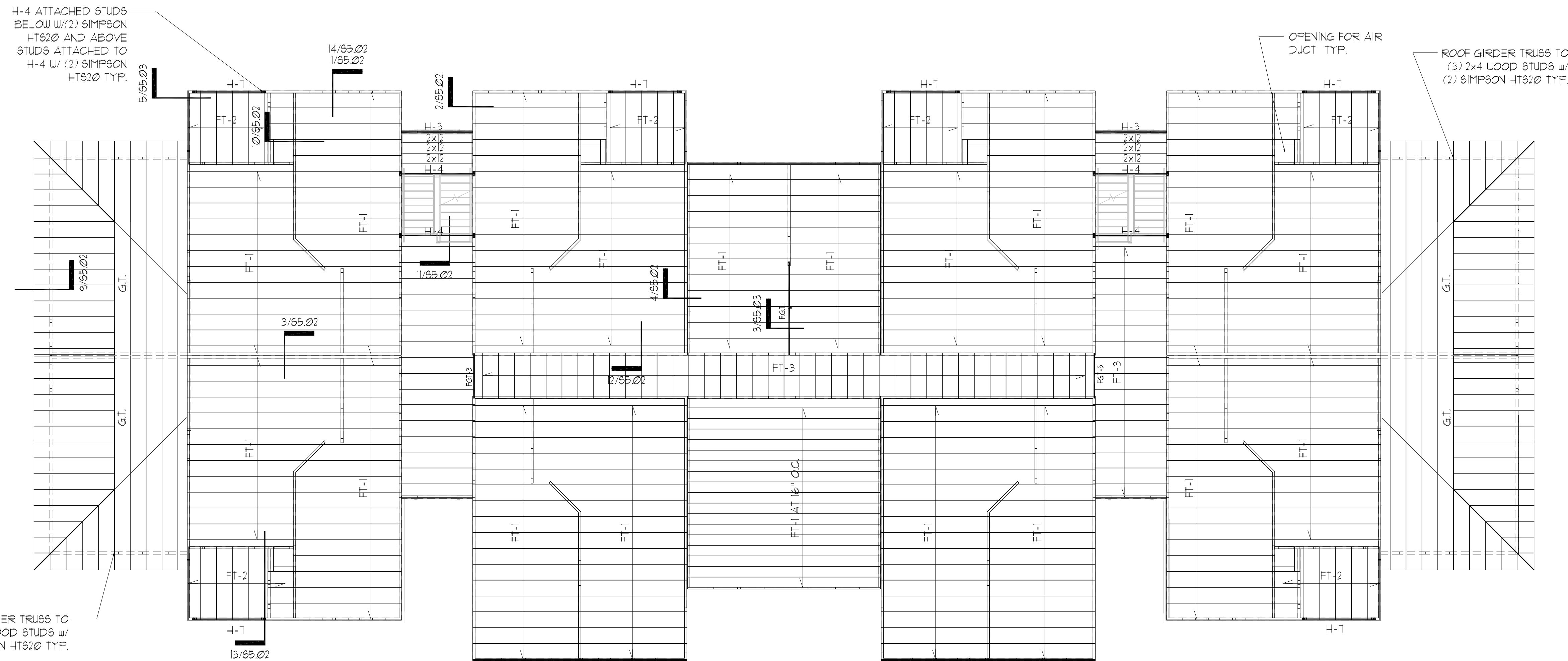
Drawn:	CW
Checked:	CW
Approved:	MX
Date:	09/10/2019
Project #:	5502

12-09-19 PLOTTED:



PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET 50.01 & 50.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 ○ INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET 50.02 FOR SHEAR WALL INFORMATION.
- 4 SEE ARCH'L. DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET 50.01) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 5 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON 50.01 SHEET.
- 6 PRE-ENGINEERED 18" DEEP WOOD TRUSSES AT 24" O.C. (MAX) UNO, 15" DEEP WOOD TRUSSES AT 24" O.C. (MAX) UNO AT BALCONY/BREEZEWAY WITH 3/4" P.T. C-D PLYWOOD SHEATHING.
- 7 COORDINATE LOCATION OF FLOOR TRUSSES W/ MECH. DUCTS FOR LOCATION OF EXHAUST FAN, AIR HANDLING, AND DUCTS.
- 8 F.G.T. INDICATES FLOOR GIRDER TRUSS.
- 9 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 10 SEE THE GENERAL NOTES FOR FLOOR SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. CONTINUOUS TO THE FTG. UNO. (PROVIDE (2) 2X4 WOOD BLOCKING BETWEEN TRUSS TOP AND BOTTOM CORDS BELOW)
- 12 AT DOORWAYS FOR INTERIOR BEARING WALLS, ADD A (2) 2x BLOCKING BETWEEN FLOOR LEVELS.
- 13 SEE ARCH DRAWINGS FOR SPECS ON LIGHTWEIGHT CONCRETE OVER WOOD JOIST TYP.
- 14 ■■■■■ INDICATES MASONRY BEARING WALLS REINFORCED WITH (1)-#5 VERTICAL GROUT FILLED CELLS SOLID AT ALL CORNERS, ADJACENT MASONRY OPENINGS AND 24" O.C. (MAX).
- 15 PROVIDE DOUBLE KNOCK OUT BLOCK BOND BEAM AT EA FLOOR LEVEL WITH #5 BARS AT EA COURSE.
- 16 PROVIDE PRECAST "U" LINTELS OVER ALL OPENINGS IN MASONRY WALL (COORD. EXACT SIZE, LOCATIONS AND ELEVATIONS WITH ARCH'L. DRAWINGS). IF NO LINTEL TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE MASONRY LINTEL TYPE: 8F16-1B/1T, AND 8F14-1B/1T FOR DOOR SEE "LINTEL SCHEDULE" (ON SHEET 55.05) FOR LINTEL TYPE SIZES AND REINFORCING. PROVIDE TEMPORARY SHORING DURING CONSTRUCTION IF LINTEL SPAN IS GREATER THAN 6 (SIX) FEET.



1 3RD FLOOR PLAN  
SCALE: 1/8" = 1'-0"

ISSUE HISTORY		
No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

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CONSULTANT

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STRUCTURAL DESIGN GROUP

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Orlando, Florida 32817 - 407-677-2565 Fax 407-730-2999  
Certificate of Authorization No. 25873

Misheng Xia P.E.  
Florida No. 51161

Drawn:	CW
Checked:	CW
Approved:	MX
Date:	09/10/2019
Project #:	5502

**THE ROBERT**  
FT. MYERS, FL

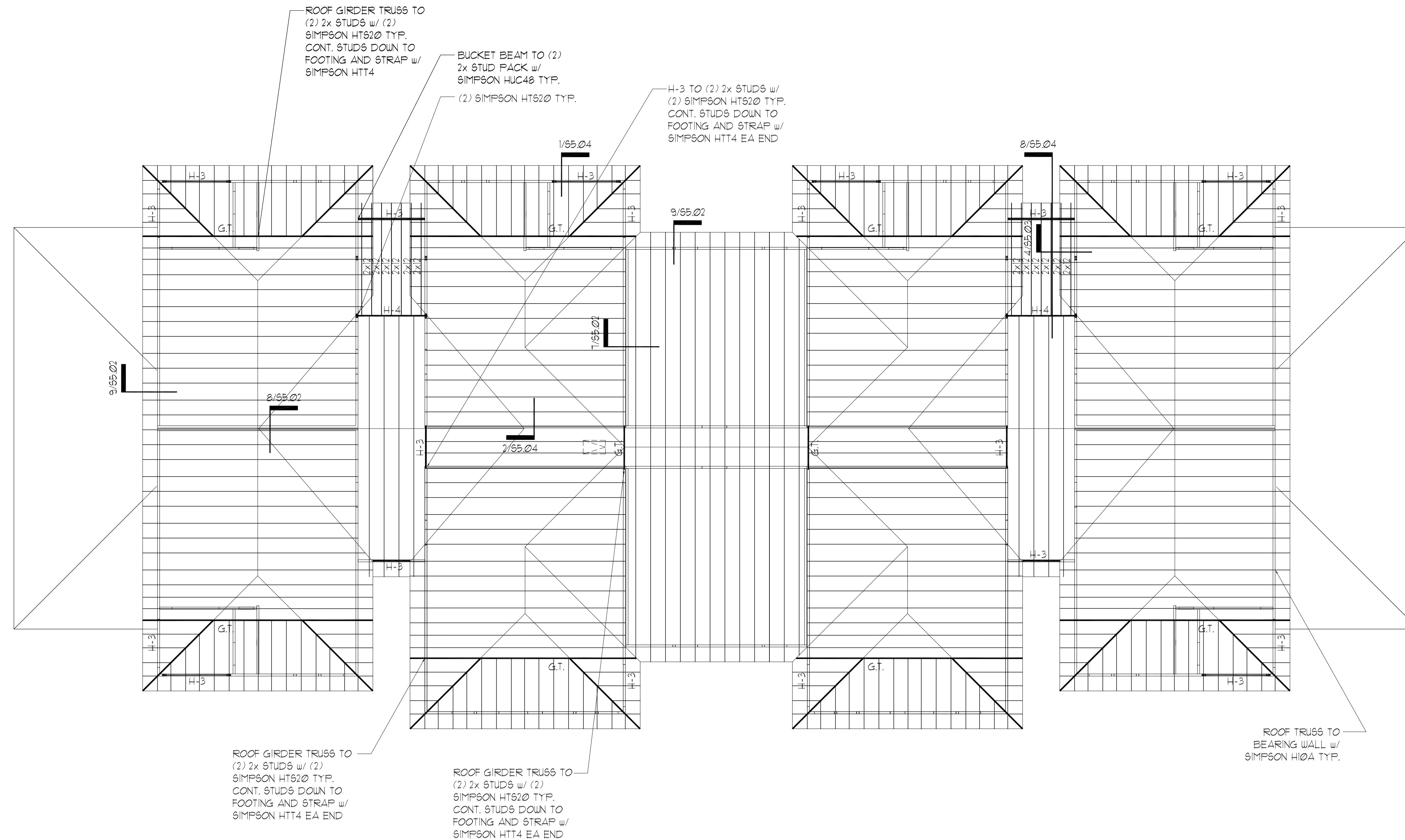
**BUILDING TYPE 2**  
**3RD FLOOR FRAMING PLAN**

**S2.03**

12-09-19  
PLOTTED:

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET S0.01 & S0.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 SEE ARCH'L. DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET S0.01) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 4 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN. PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON S0.01 SHEET.
- 5 PRE-ENGINEERED WOOD TRUSSES & MISCELLANEOUS WOOD FRAMING SPACED AT 24" O.C. (MAX).
- 6 O.B. INDICATES OVER-BUILT PRE-ENG. TRUSS.
- 7 G.T. INDICATES GIRDER TRUSS.
- 8 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 9 SEE THE GENERAL NOTES FOR ROOF SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 10 TRUSS ENGINEER TO DESIGN TRUSS TO INCORPORATE LOADS FROM MECHANICAL UNITS.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. TO THE FTG. UNO.



1 ROOF FRAMING PLAN  
SCALE: 1/8" = 1'-0"

PERMIT REVIEW STAMP

ISSUE HISTORY		
No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

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10244 East Colonial Drive, Suite 202  
Orlando, Florida 32817 • 407-677-3565 Fax 407-730-2999  
Certificate of Authorization No. 25873

Misheng Xia P.E.  
Florida No. 51161

Drawn:	CW
Checked:	CW
Approved:	MX
Date:	09/10/2019
Project #:	5592



**THE ROBERT**  
FT. MYERS, FL

**BUILDING TYPE 2  
ROOF FRAMING PLAN**

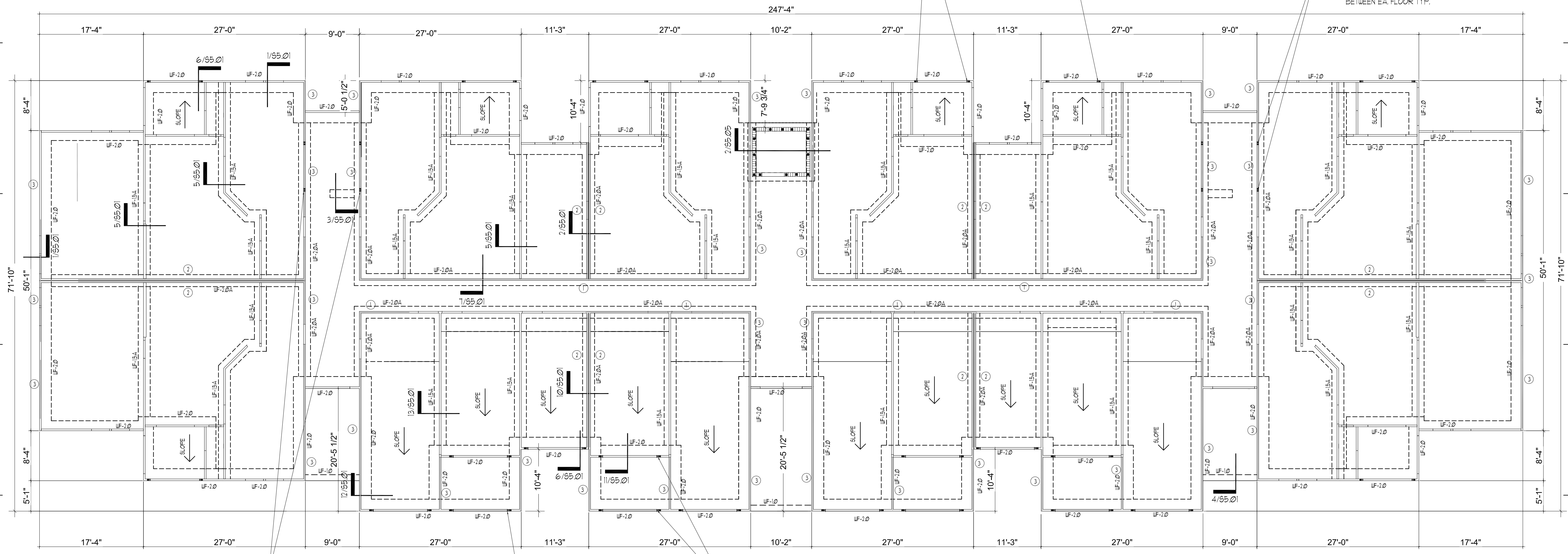
**S2.04**

12-09-19  
PLOTTED:

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEETS S0.01 & S0.02.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 4" (TOTAL) CONCRETE SLAB REINFORCED WITH 6x6-W/4W/4 W/W/ OVER 10 MIL VAPOR BARRIER ON COMPACTED SUBGRADE. COORDINATE ALL SLAB SLOPES, DEPRESSIONS AND LIMITS THERE OF WITH ARCH'L. DRAWINGS (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L. AND / OR CIVIL DRAWINGS).
- 4 PRIOR TO CONCRETE PLACEMENT PROVIDE TERMITE SOIL TREATMENT WITH TEN YEAR WARRANTY AND FOUR ANNUAL INSPECTIONS AND RENEWALS. SEE ARCHITECTURAL FOR REQUIREMENT.
- 5  INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET S0.02 FOR SHEAR WALL INFORMATION.
- 6 THE MAX. SPACING OF CONTROL JOINT FOR ENCLOSURE SPACE SHALL BE 20'-0" O.C., AND FOR OPEN SPACE SHALL BE 8'-0" O.C. COORD. W/ FLOOR COVERING PLACEMENT. SEND SUBMITTAL TO ARCHITECT FOR REVIEW.
- 7 SEE ARCH'L. DRAWINGS FOR LOCATIONS / LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES.
- 8 COORDINATE ALL SLAB (TOPPING) SLOPES AND DEPRESSIONS WITH ARCH'L. DRAWINGS. (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L. DRAWINGS.)
- 9 SEE MECHANICAL DRAWINGS FOR LOCATION (ON PLANK) OF MECHANICAL UNITS, H.C. MANUFACTURER / SUPPLIER TO DESIGN FOR UNIT WEIGHT. AS REQUIRED VERIFY WEIGHTS WITH MECHANICAL DRAWINGS.
- 10  INDICATES MASONRY BEARING WALLS REINFORCED WITH (1)-#5 VERTICAL GROUT FILLED CELLS SOLID AT ALL CORNERS, ADJACENT MASONRY OPENINGS AND 24" O.C. (MAX.).
- 11 SEE 16.417.95.02 FOR THE 2X4 BLOCKING BETWEEN BEARING WALL FLOOR LEVEL.

MARK	SIZE	REINFORCEMENT BOTTOM
	WIDTH x LENGTH x DEPTH	
UF-1.0	1'-0" x CONT x 2'-2"	(2)-#5s CONT.
UF-1.5A	1'-6" x CONT x 1'-0"	(2)-#5s CONT. #4's @ 48" O.C. TRANSVERSE
UF-2.0	2'-0" x CONT x 2'-2"	(2)-#5s CONT.
UF-2.0A	2'-0" x CONT x 1'-0"	(3)-#5s CONT. #4's @ 48" O.C. TRANSVERSE
F-2.5A	2'-6" x 2'-6" x 1'-0"	(3)-#5s EA WAY
F-2.5	2'-6" x 2'-6" x 1'-0"	(3)-#5s EA WAY



4x4 HEADER SUPPORT 4 (3) FULL LENGTH STUDS AT BALCONY BY 1ST FLOOR ONLY w/ SIMPSON HTT4 TO FOOTING.  
4x4 AND (2) FULL LENGTH STUDS ABOVE FROM 2ND FLOOR TO ROOF w/ (2) SIMPSON CS18 @ EA. FLOOR LEVEL TYP.

4x4 HEADER SUPPORT 4 (3) FULL LENGTH STUDS AT BALCONY BY 1ST FLOOR ONLY w/ SIMPSON HTT4 TO FOOTING.  
4x4 AND (2) FULL LENGTH STUDS ABOVE FROM 2ND FLOOR TO ROOF w/ (2) SIMPSON CS18 @ EA. FLOOR LEVEL TYP.

4x4 PLUS (2) 2x4 NAILED w/ 16d NAILS @ 8" O.C. BELOW LANDING LVL. BEAM STRAPPED TO FOOTING w/ SIMPSON HTT4. CONTINUE COL PACK TO 3RD FLOOR LANDING w/ BLOCKING BETWEEN EA. FLOOR TYP.

4x4 PLUS (2) 2x4 NAILED w/ 16d NAILS @ 8" O.C. BELOW LANDING LVL. BEAM STRAPPED TO FOOTING w/ SIMPSON HTT4. CONTINUE COL PACK TO 3RD FLOOR LANDING w/ BLOCKING BETWEEN EA. FLOOR TYP.

4x4 HEADER SUPPORT 4 (3) FULL LENGTH STUDS EACH SIDE OF OPENING w/ SIMPSON HTT4 TO FOOTING TYP.

4x4 HEADER SUPPORT 4 (3) FULL LENGTH STUDS AT EA. END OF GARAGE DOOR HEADER. STRAP TO FOOTING w/ SIMPSON HTT4 TYP.

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

ISSUE HISTORY		
No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

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www.fuglebergkoch.com BR569  
CONSULTANT

**ASE ENGINEERING SERVICES, INC.**  
STRUCTURAL DESIGN GROUP  
TO THE BEST OF HIS KNOWLEDGE, THE BUILDING DESIGN PLANS AND SPECIFICATIONS COMPLY WITH BUILDING REGULATIONS, THE BUILDING DESIGN PLANS AND SPECIFICATIONS AND SPECIFICATIONS ARE ONLY FOR THE BUILDING'S STRUCTURAL COMPONENTS AFFECTED BY AND LIVE AND DEAD LOADS.  
10244 East Colonial Drive, Suite 202  
Orlando, Florida 32817 - 407-677-5560 Fax 407-730-2999  
Certificate of Authorization No. ZS873  
Misheng Xia P.E.  
Florida No. 51161

**THE ROBERT**  
FT. MYERS, FL

**BUILDING TYPE 3**  
**FOUNDATION PLAN**

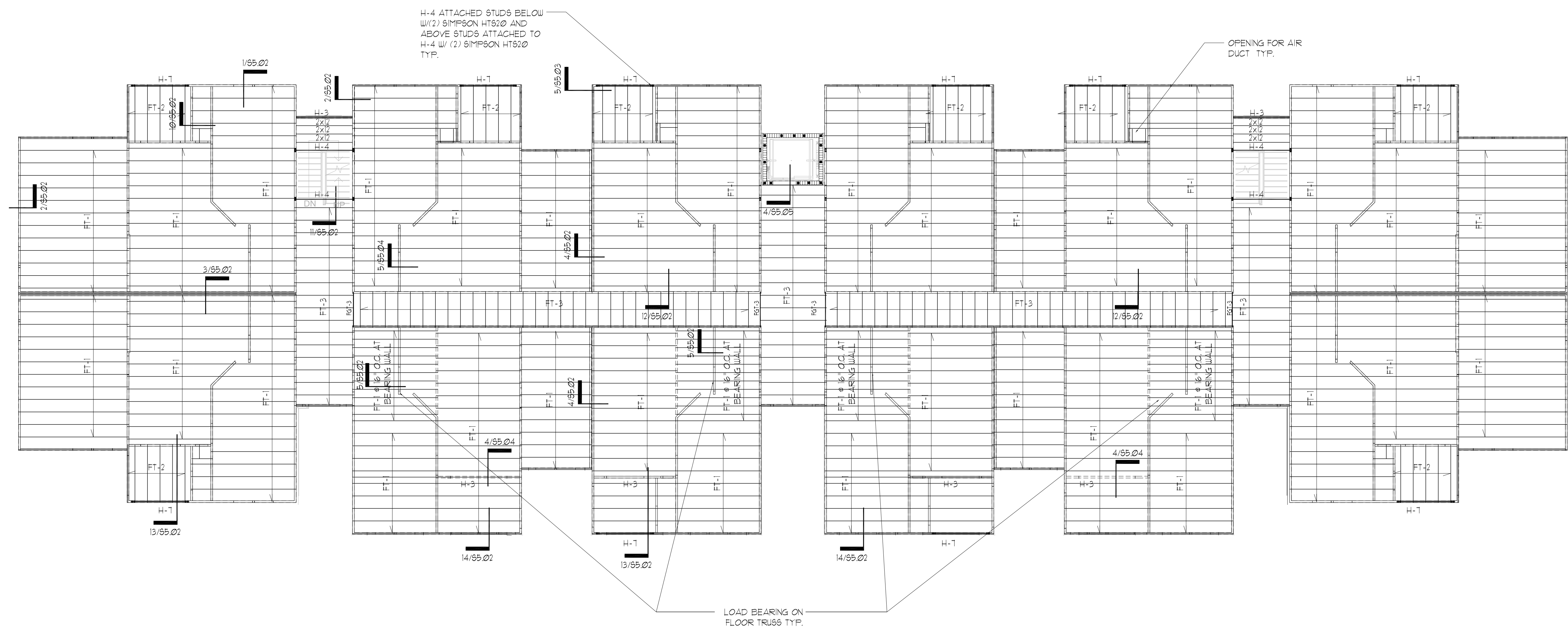
**S3.01**

Drawn:	CW
Checked:	CW
Approval:	MX
Date:	09/10/2019
Project #:	5582

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PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET 5001 & 5002.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 ○ INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET 5002 FOR SHEAR WALL INFORMATION.
- 4 SEE ARCH'L. DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET 5001) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 5 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON 5001 SHEET.
- 6 PRE-ENGINEERED 18" DEEP WOOD TRUSSES AT 24" O.C. (MAX) U.N.O., 15" DEEP WOOD TRUSSES AT 24" O.C. (MAX) U.N.O. AT BALCONY/BREEZEWAY WITH 3/4" P.T. C-D PLYWOOD SHEATHING.
- 7 COORDINATE LOCATION OF FLOOR TRUSSES W/ MECH. DUCTS FOR LOCATION OF EXHAUST FAN, AIR HANDLING, AND DUCTS.
- 8 F.G.T. INDICATES FLOOR GIRDER TRUSS.
- 9 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 10 SEE THE GENERAL NOTES FOR FLOOR SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. CONTINUOUS TO THE FTG. U.N.O. (PROVIDE (2) 2X4 WOOD BLOCKING BETWEEN TRUSS TOP AND BOTTOM CORDS BELOW)
- 12 AT DOORWAYS FOR INTERIOR BEARING WALLS, ADD A (2) 2x BLOCKING BETWEEN FLOOR LEVELS.
- 13 SEE ARCH. DRAWINGS FOR SPECS ON LIGHTWEIGHT CONCRETE OVER WOOD JOIST TYP.
- 14 ■■■■■ INDICATES MASONRY BEARING WALLS REINFORCED WITH (1)-#5 VERTICAL GROUT FILLED CELLS SOLID AT ALL CORNERS, ADJACENT MASONRY OPENINGS AND 24" O.C. (MAX).
- 15 PROVIDE DOUBLE KNOCK OUT BLOCK BOND BEAM AT EA FLOOR LEVEL WITH #5 BARS AT EA COURSE.
- 16 PROVIDE PRECAST "U" LINTELS OVER ALL OPENINGS IN MASONRY WALL (COORD. EXACT SIZE, LOCATIONS AND ELEVATIONS WITH ARCH'L. DRAWINGS). IF NO LINTEL TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE MASONRY LINTEL TYPE: 2#16-18"/IT, AND 2#14-18"/IT FOR DOOR SEE "LINTEL SCHEDULE" (ON SHEET 5005) FOR LINTEL TYPE SIZES AND REINFORCING. PROVIDE TEMPORARY SHORING DURING CONSTRUCTION IF LINTEL SPAN IS GREATER THAN 6 (SIX) FEET.



1 2ND FLOOR PLAN  
SCALE: N.T.S.

ISSUE HISTORY		
No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

**FUGLEBERG KOCH**  
PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 679-4595  
www.fuglebergkoch.com BR569

CONSULTANT

**ASE ENGINEERING SERVICES, INC.**  
STRUCTURAL DESIGN GROUP

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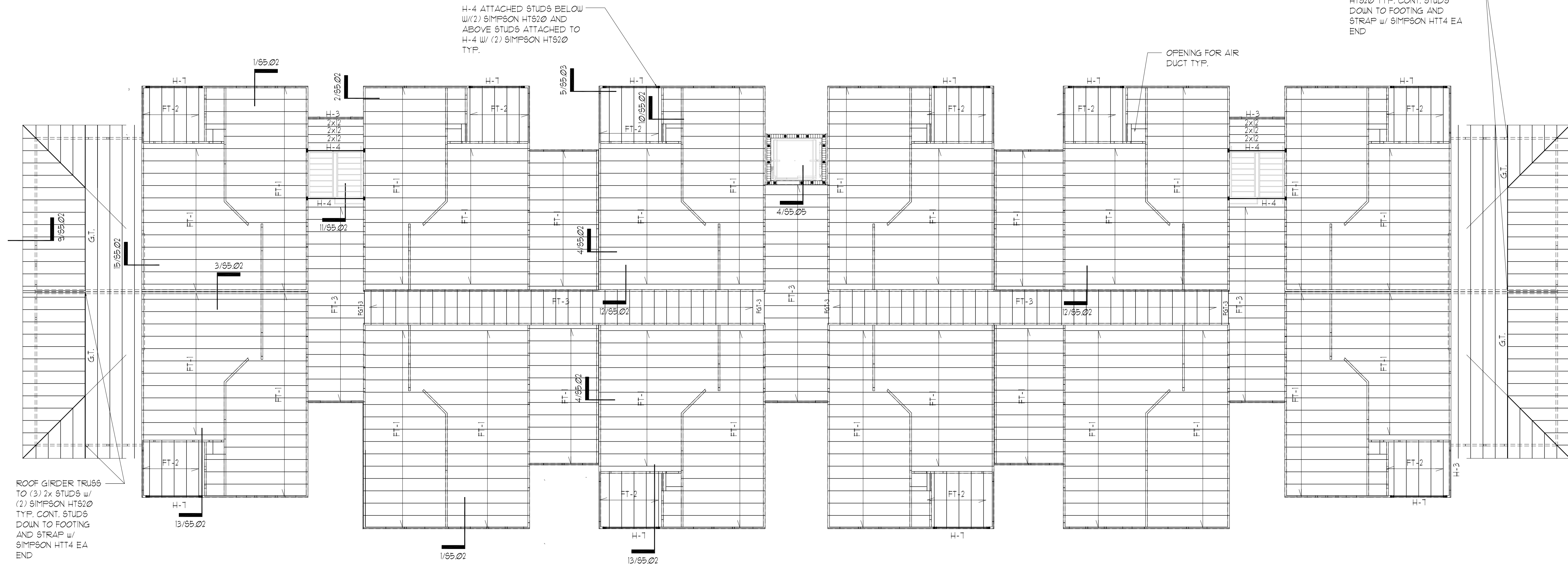
10244 East Colonial Drive, Suite 202  
Orlando, Florida 32817 - 407-677-5560 Fax 407-730-2999  
Certificate of Authorization No. ZS873

Mensheng Xie P.E.  
Florida No. 51161

<b>THE ROBERT</b>	Drawn: CW
FT. MYERS, FL	Checked: CW
<b>BUILDING TYPE 3</b>	Approval: MX
<b>2ND FLOOR FRAMING PLAN</b>	Date: 09/10/2019
<b>S3.02</b>	Project #: 5582

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET 5001 & 5002.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 ○ INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET 5002 FOR SHEAR WALL INFORMATION.
- 4 SEE ARCH'L. DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET 5001) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 5 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON 5001 SHEET.
- 6 PRE-ENGINEERED 18" DEEP WOOD TRUSSES AT 24" O.C. (MAX) UNO, 15" DEEP WOOD TRUSSES AT 24" O.C. (MAX) UNO AT BALCONY/BREEZEWAY WITH 3/4" P.T. C-D PLYWOOD SHEATHING.
- 7 COORDINATE LOCATION OF FLOOR TRUSSES W/ MECH. DUCTS FOR LOCATION OF EXHAUST FAN, AIR HANDLING, AND DUCTS.
- 8 F.G.T. INDICATES FLOOR GIRDER TRUSSES.
- 9 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 10 SEE THE GENERAL NOTES FOR FLOOR SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. CONTINUOUS TO THE FTG. UNO. (PROVIDE (2) 2X4 WOOD BLOCKING BETWEEN TRUSS TOP AND BOTTOM CORDS BELOW)
- 12 AT DOORWAYS FOR INTERIOR BEARING WALLS, ADD A (2) 2x BLOCKING BETWEEN FLOOR LEVELS.
- 13 SEE ARCH. DRAWINGS FOR SPECS ON LIGHTWEIGHT CONCRETE OVER WOOD JOIST TYP.
- 14 [Hatched Pattern] INDICATES MASONRY BEARING WALLS REINFORCED WITH (1)-#5 VERTICAL GROUT FILLED CELLS SOLID AT ALL CORNERS, ADJACENT MASONRY OPENINGS AND 24" O.C. (MAX).
- 15 PROVIDE DOUBLE KNOCK OUT BLOCK BOND BEAM AT EA FLOOR LEVEL WITH #5 BARS AT EA COURSE.
- 16 PROVIDE PRECAST "U" LINTELS OVER ALL OPENINGS IN MASONRY WALL (COORD. EXACT SIZE, LOCATIONS AND ELEVATIONS WITH ARCH'L. DRAWINGS); IF NO LINTEL TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE MASONRY LINTEL TYPE: 8"16-18"IT, AND 8"14-18"IT FOR DOOR SEE "LINTEL SCHEDULE" (ON SHEET 5505) FOR LINTEL TYPE SIZES AND REINFORCING. PROVIDE TEMPORARY SHORING DURING CONSTRUCTION IF LINTEL SPAN IS GREATER THAN 6 (SIX) FEET.



1 3RD FLOOR PLAN  
SCALE: N.T.S.

ISSUE HISTORY		
No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

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CONSULTANT

**ASE ENGINEERING SERVICES, INC.**  
STRUCTURAL DESIGN GROUP

TO THE BEST OF MY KNOWLEDGE, THE FOLLOWING DESIGN AND SPECIFICATIONS COMPLY WITH ALL APPLICABLE REGULATORY CODES, ORDINANCES, AND SPECIFICATIONS AND SPECIFICATIONS ARE CORRECT AND COMPLETE, AND ARE NOT SUBJECT TO ANY UNLAWFUL AND UNLAWFUL LOADS.

10244 East Colonial Drive, Suite 202  
Orlando, Florida 32817 - 407-677-3565 Fax 407-730-2999  
Certificate of Authorization No. 25873

Misheng Xia P.E.  
Florida No. 51161

Drawn: CW
Checked: CW
Approved: MX
Date: 09/10/2019
Project #: 5502

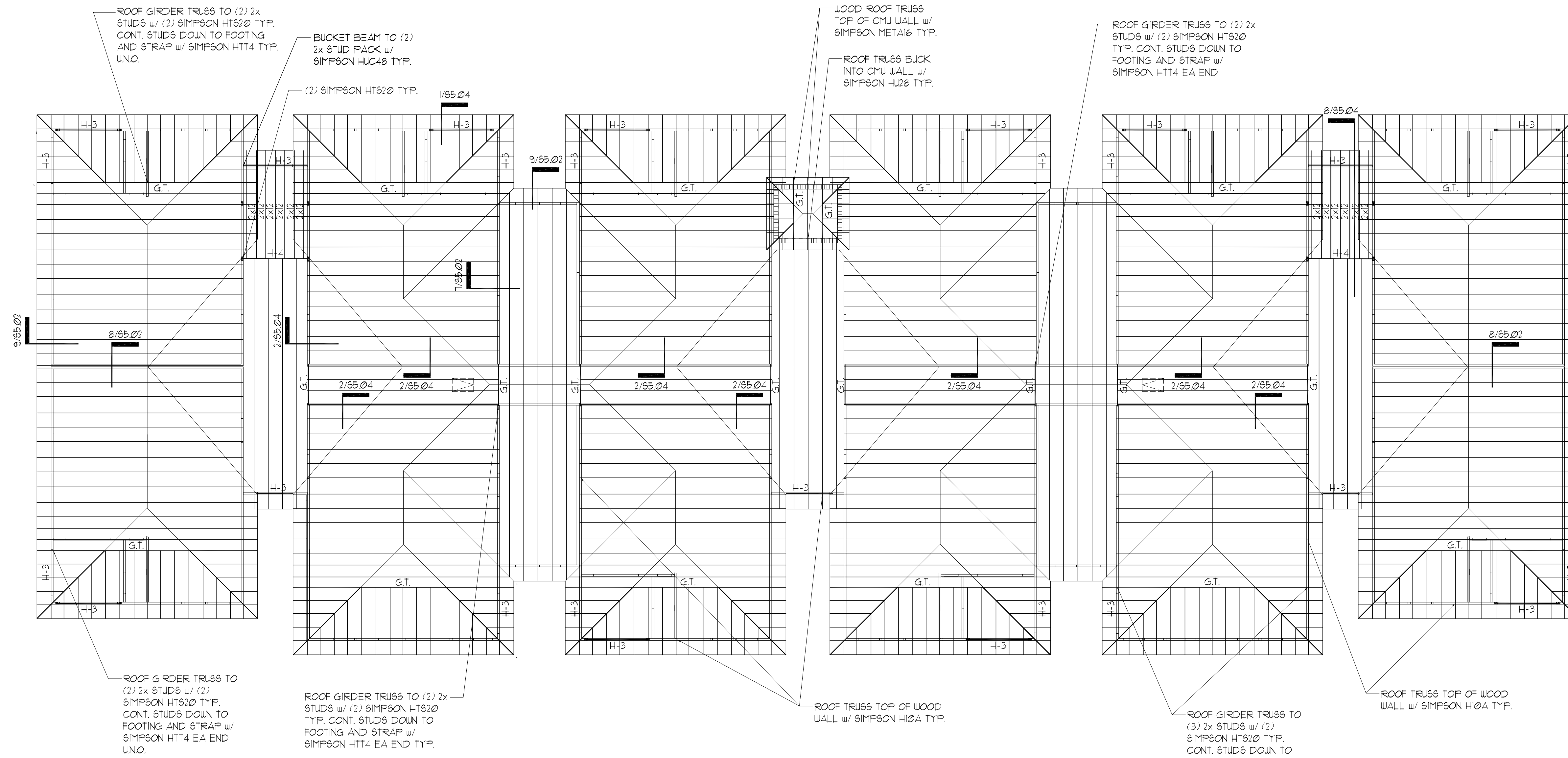
**THE ROBERT**  
FT. MYERS, FL

**BUILDING TYPE 3**  
**3RD FLOOR FRAMING PLAN**

**S3.03**

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET S001 & S002.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 SEE ARCH'L DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET S001) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 4 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON S001 SHEET.
- 5 PRE-ENGINEERED WOOD TRUSSES & MISCELLANEOUS WOOD FRAMING SPACED AT 24" O.C. (MAX).
- 6 O.B. INDICATES OVER-BUILT PRE-ENG. TRUSS.
- 7 G.T. INDICATES GIRDER TRUSS.
- 8 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 9 SEE THE GENERAL NOTES FOR ROOF SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 10 TRUSS ENGINEER TO DESIGN TRUSSES TO INCORPORATE LOADS FROM MECHANICAL UNITS.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. TO THE FTG. UNO.



1 ROOF FRAMING PLAN  
SCALE: N.T.S.

ISSUE HISTORY

No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY

No.	Date	Description

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**ASE ENGINEERING SERVICES, INC.**  
STRUCTURAL DESIGN GROUP

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10244 East Colonial Drive, Suite 202  
Orlando, Florida 32817 - 407-677-3565 Fax 407-730-2999  
Certificate of Authorization No. 25873

Misheng Xia P.E.  
Florida No. 51161

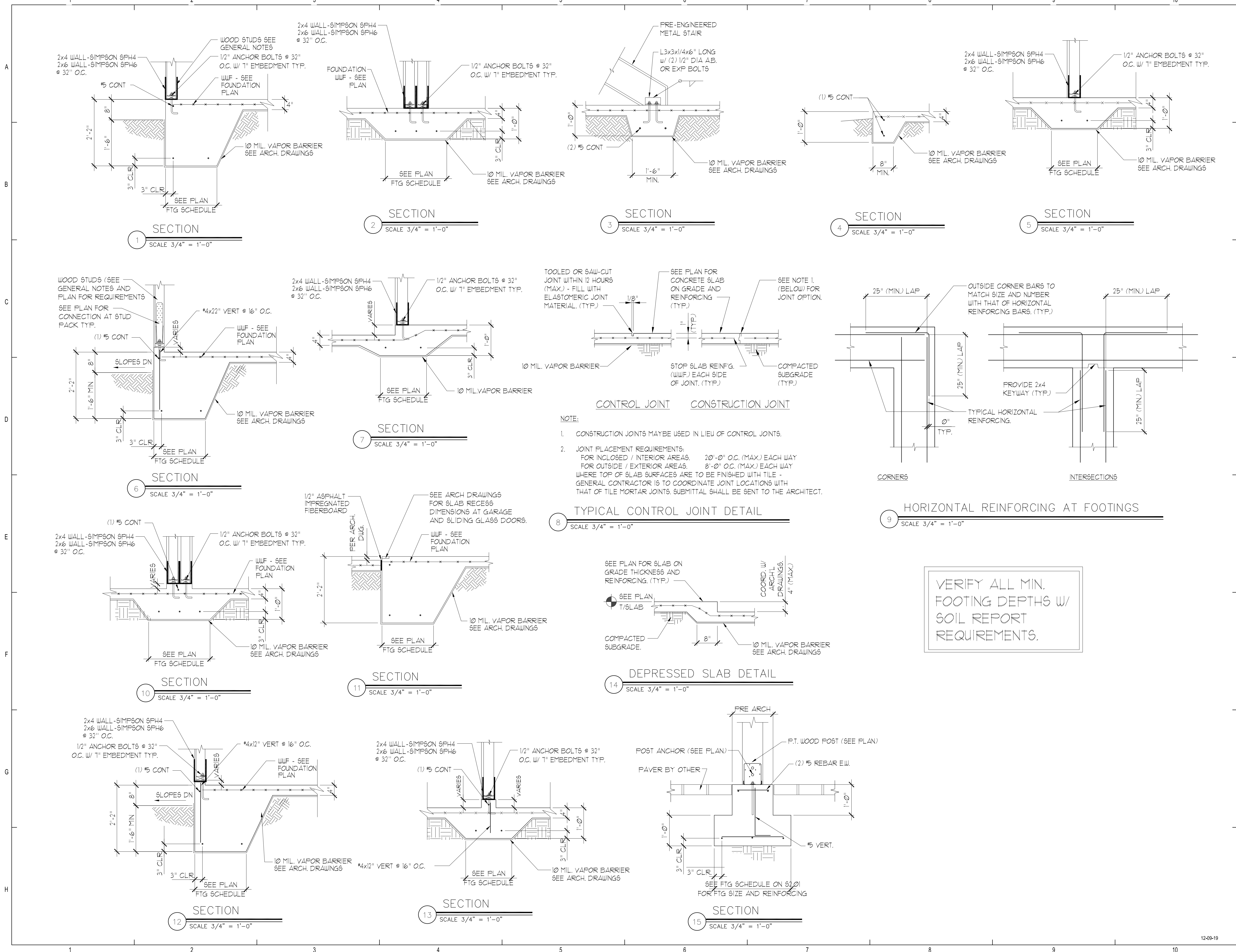
**THE ROBERT**  
FT. MYERS, FL

**BUILDING TYPE 3  
ROOF FRAMING PLAN**

**S3.04**

Drawn: CW  
Checked: CW  
Approval: MX  
Date: 09/10/2019  
Project #: 5502

12-09-19 PLOTTED:



**NOTE:**

- CONSTRUCTION JOINTS MAY BE USED IN LIEU OF CONTROL JOINTS.
- JOINT PLACEMENT REQUIREMENTS:  
 FOR ENCLOSED / INTERIOR AREAS: 20'-0" O.C. (MAX.) EACH WAY  
 FOR OUTSIDE / EXTERIOR AREAS: 8'-0" O.C. (MAX.) EACH WAY  
 WHERE TOP OF SLAB SURFACES ARE TO BE FINISHED WITH TILE - GENERAL CONTRACTOR IS TO COORDINATE JOINT LOCATIONS WITH THAT OF TILE MORTAR JOINTS. SUBMITTAL SHALL BE SENT TO THE ARCHITECT.

VERIFY ALL MIN. FOOTING DEPTHS W/ SOIL REPORT REQUIREMENTS.

PERMIT REVIEW STAMP

ISSUE HISTORY		
No.	Date	Description
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2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
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2555 Temple Trail, Winter Park, FL 32789 (407) 629-4595  
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10244 East Colonial Drive, Suite 202  
Orlando, Florida 32817 - 407-677-5560 Fax: 407-730-2999  
Certificate of Authorization No. 25873

Mensheng Xie P.E.  
Florida No. 51161

Drawn:	CW
Checked:	CW
Approval:	MX
Date:	09/10/2019
Project #:	5582

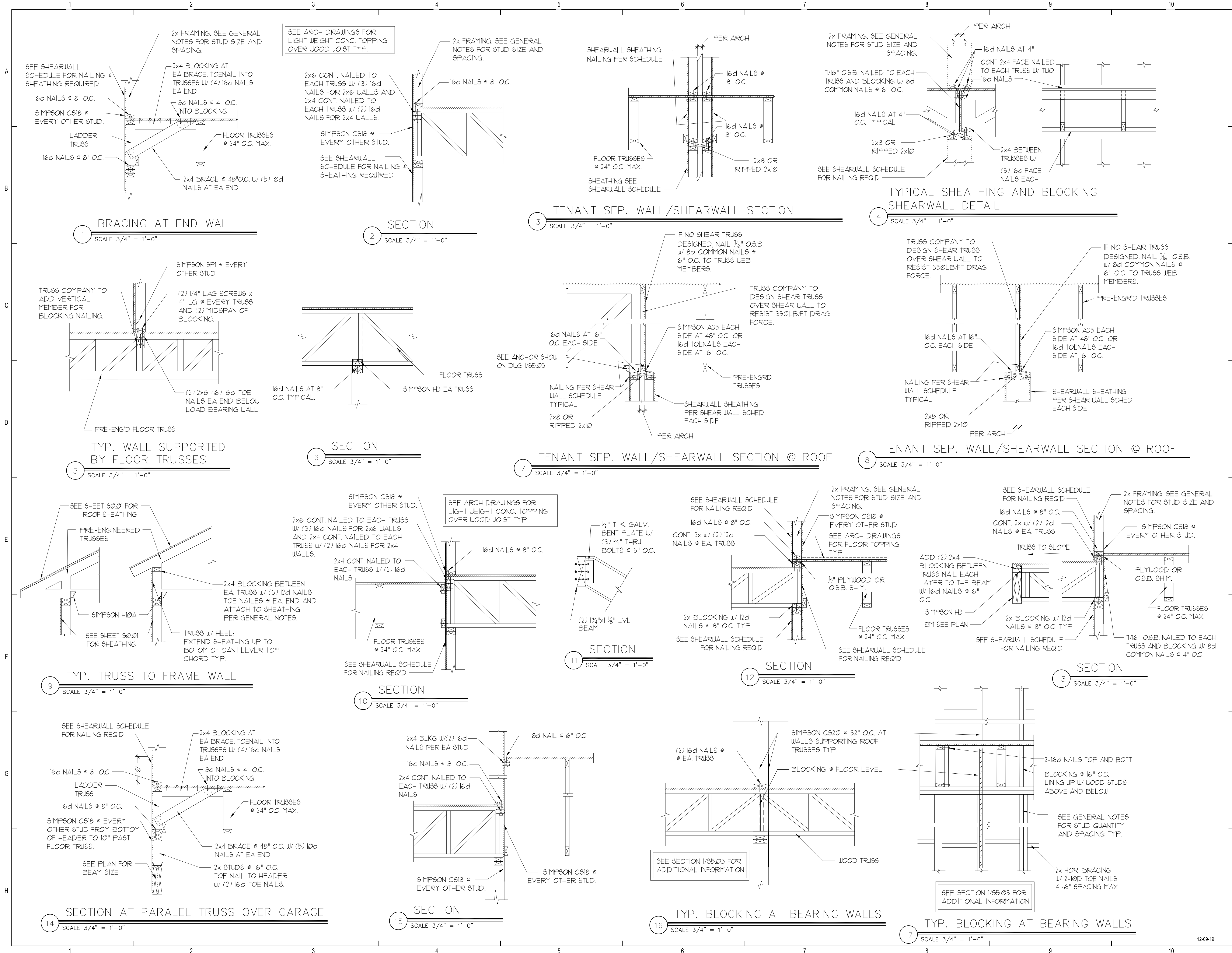
**THE ROBERT**  
FT. MYERS, FL

**SECTION AND DETAILS**  
BLDG TYPES 1, 2 & 3

**S5.01**

12-09-19

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ISSUE HISTORY		
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3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

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 LLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-4595  
 www.fuglebergkoch.com BB569

CONSULTANT

**ASE ENGINEERING SERVICES, INC.**  
 STRUCTURAL DESIGN GROUP  
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**THE ROBERT**  
 FT. MYERS, FL

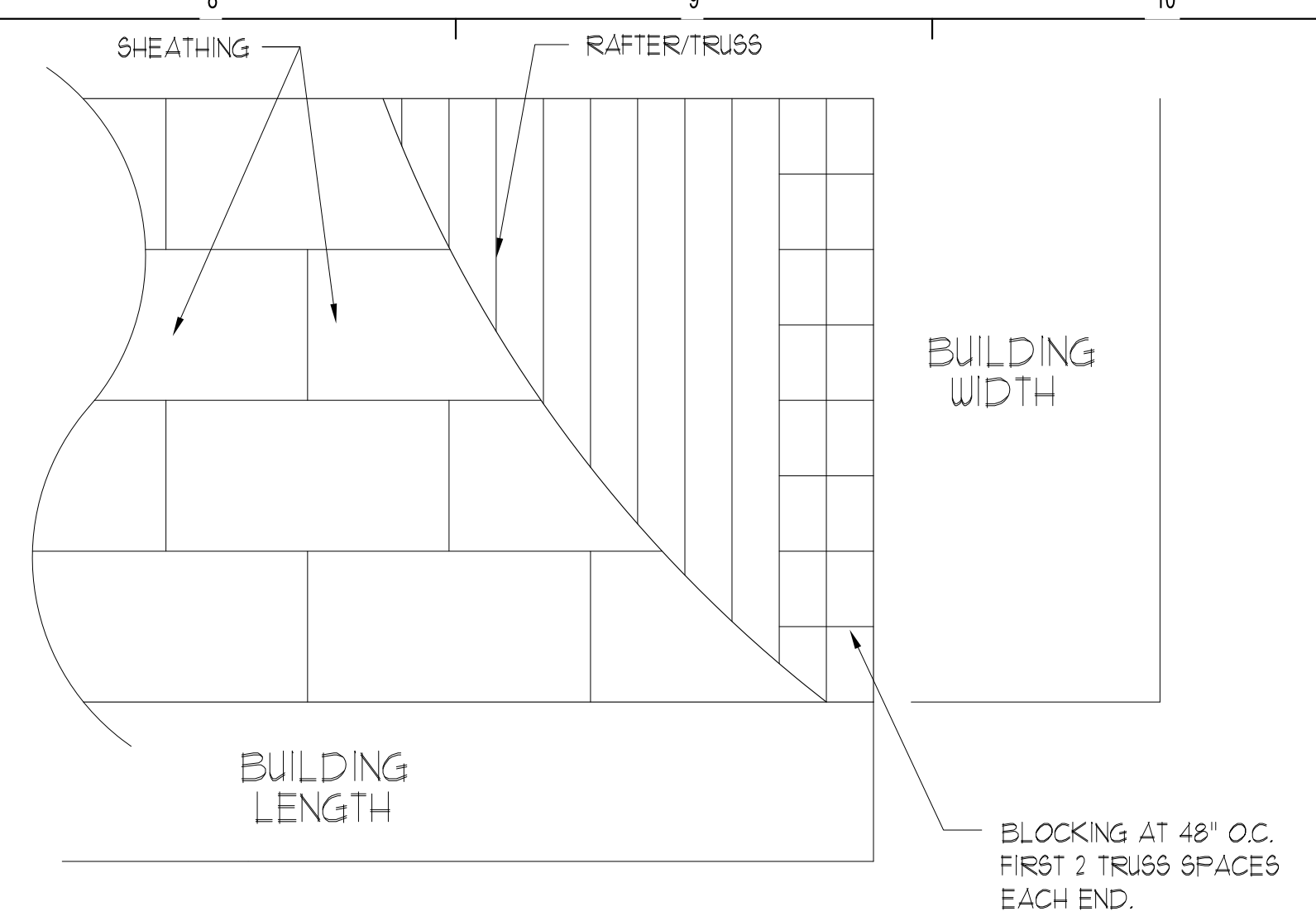
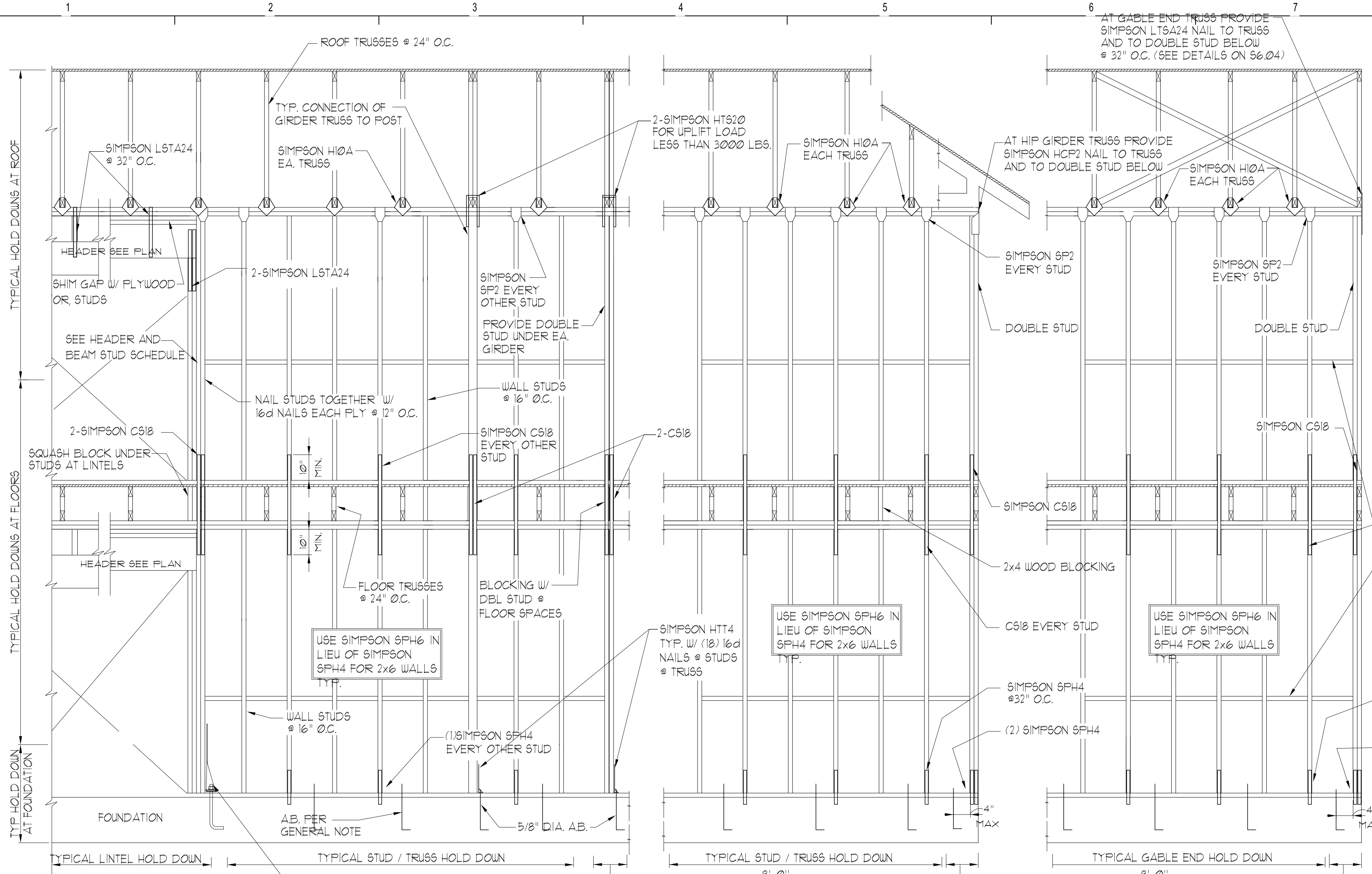
**SECTION AND DETAILS**  
 BLDG TYPES 1, 2 & 3

**S5.02**

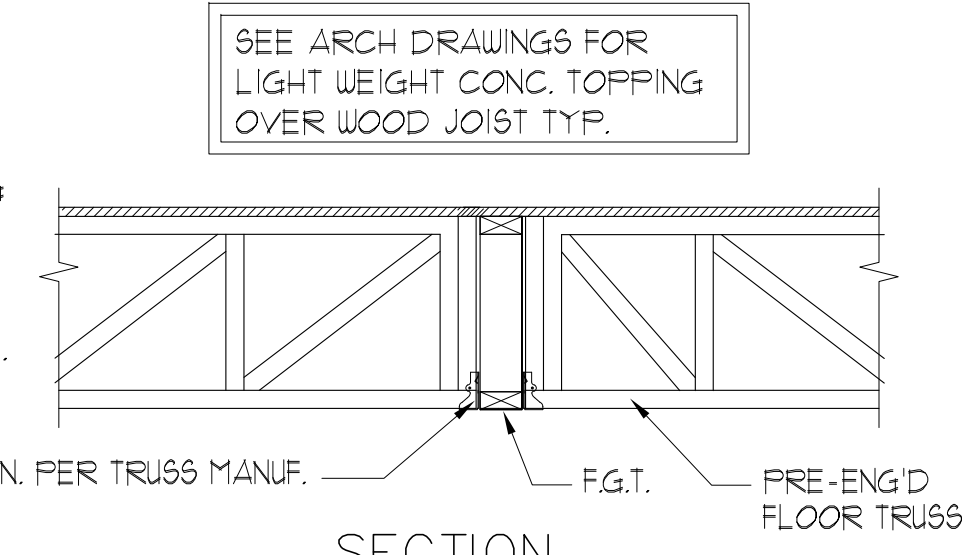
Drawn:	CW
Checked:	CW
Approval:	MX
Date:	09/10/2019
Project #:	5582

12-09-19 PLOTTED:

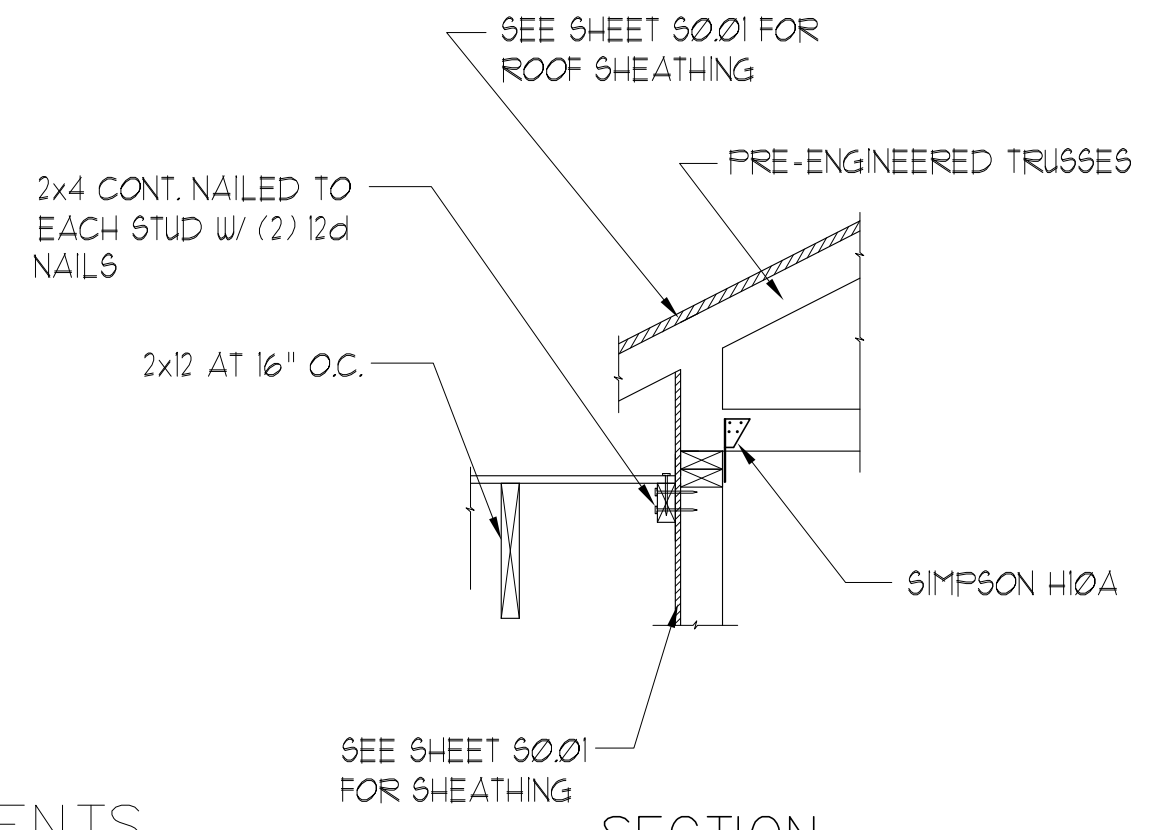




2 ROOF SHEATHING LAYOUT  
SCALE N.T.S.



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



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

**NOTE:**  
ALL CONNECTORS SPECIFIED ON THIS SHEET ARE SUGGESTED AND MAY BE REPLACED BY OTHER MODELS OR MANUFACTURERS ONLY IF THEY MEET OR EXCEED MIN. UPLIFT REQUIREMENTS DESCRIBED IN PROJECT DOCUMENTS, INCLUDING SHOP DRAWINGS.  
ANCHORAGE/STRAPPING FOR ENDS OF SHEAR WALLS IS NOT SHOWN AND IS IN ADDITION TO THAT SHOWN HERE.

SIMPSON LTT20B EA. SIDE OF WINDOW/DOOR OPENINGS LESS THAN 5'-0"  
SIMPSON HTT4 EA. SIDE OF WINDOW/DOOR OPENINGS GREATER THAN 5'-0" TYP. UNO. (USE 5/8" ANCHOR BOLT w/ 1" EMBEDMENT)

1 TYP. STUD WALL HOLDOWN  
SCALE 3/4" = 1'-0"

**NOTES:**  
1. DO NOT SPLICE TOP PLATES WITHIN 6'-0" OF ENDS OF WOOD STRUCTURAL PANEL SHEAR WALLS.  
2. THIS DETAIL APPLIES AT ALL EXTERIOR WALLS AND INTERIOR SHEARWALLS.

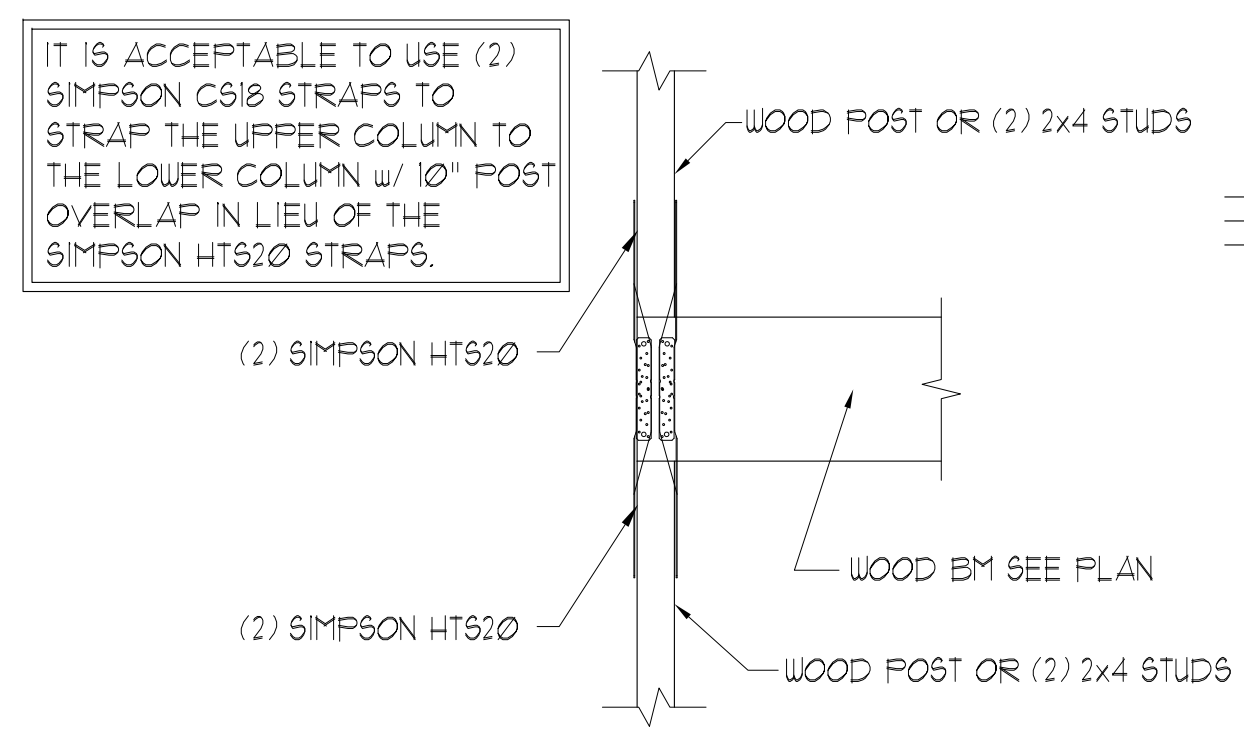
MINIMUM WALL AND HEADER STUD REQUIREMENTS

UPLIFT CONNECTION REQUIREMENT AT POINTS 'A' (TOP AND BOTTOM OF HEADER STUDS. UPLIFT CONNECTION IS REQUIRED AT EACH END OF HEADER AND AT BOTTOM OF HEADER STUDS IN ADDITION TO CONNECTORS AT WALL STUDS)

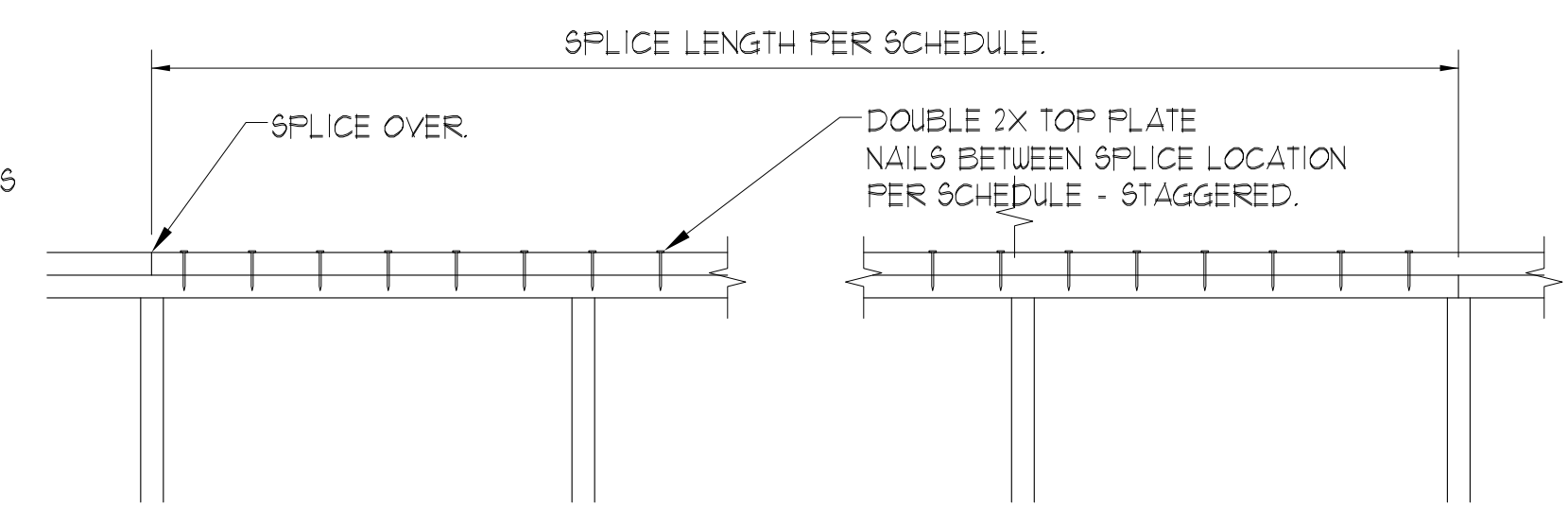
UNSUPPORTED WALL HEIGHT	STUD SPACING	MAXIMUM HEADER SPAN (FEET)					
		3	6	9	12	15	18
10' OR LESS	12"	2	2	3	3	3	3
	16"	2	2	3	3	3	3
	24"	1	2	2	2	2	2
	12"	2	2	3	4	5	5
	16"	2	2	3	3	4	4
GREATER THAN 10'	12"	2	2	2	2	3	3
	16"	1	2	2	2	3	3

\*THE HEADER STUD SHALL NOT BE REQUIRED IF THE HEADER IS SUPPORTED BY A SUITABLE FRAMING ANCHOR

7 HEADER AND BEAM STUD SCHEDULE  
SCALE 3/4" = 1'-0"

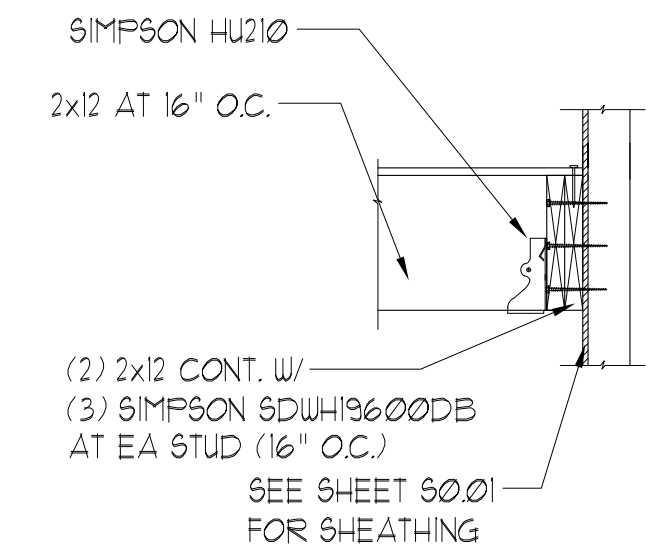


5 SECTION  
SCALE 3/4" = 1'-0"



LENGTH OF WALL (BETWEEN CORNERS)	SPLICE LENGTH (MINIMUM)	NAILS ALONG SPLICE LENGTH
OVER 30'	4'-0"	18-16d
OVER 20'	2'-8"	10-16d
OVER 10'	1'-4"	6-16d
LESS THAN 10'	1'-4"	4-16d

6 TYPICAL TOP PLATE SPLICE  
SCALE 3/4" = 1'-0"



8 SECTION  
SCALE 3/4" = 1'-0"

PERMIT REVIEW STAMP

ISSUE HISTORY		
No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

**FUGLEBERG KOCH**  
PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com BR569

CONSULTANT

**ASE ENGINEERING SERVICES, INC.**  
STRUCTURAL DESIGN GROUP

TO THE BEST OF HIS KNOWLEDGE THE BUILDING DESIGN PLANS AND SPECIFICATIONS CONFORM WITH BUILDING REGULATIONS, BUILDING CODES AND STANDARDS AND MEET THE REQUIREMENTS AND SPECIFICATIONS ARE ONLY FOR THE BUILDING'S STRUCTURAL COMPONENTS AFFECTED BY AND LIVE AND DEAD LOADS.

10244 East Colonial Drive, Suite 202  
Orlando, Florida 32811 - 407-677-5560 Fax 407-730-2999  
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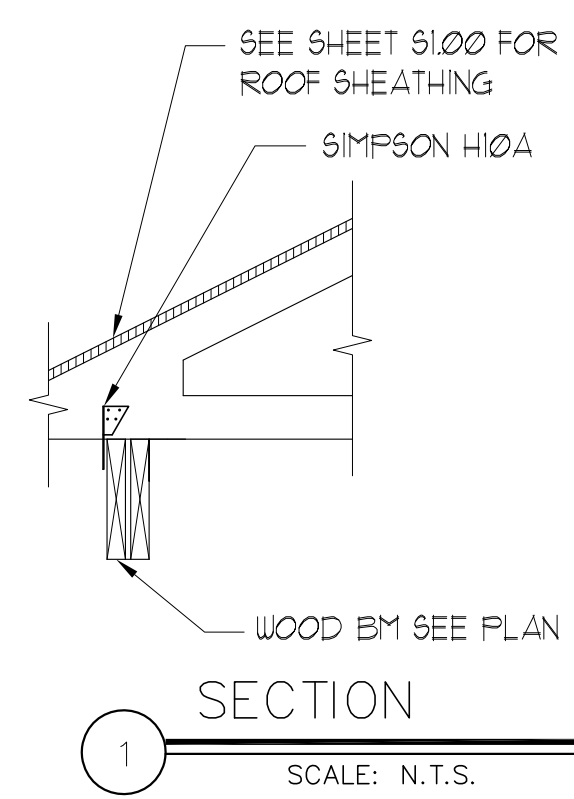
Mensheng Xie P.E.  
Florida No. 51161

**THE ROBERT**  
FT. MYERS, FL

Drawn: CW  
Checked: CW  
Approval: MX  
Date: 09/10/2019  
Project #: 5592

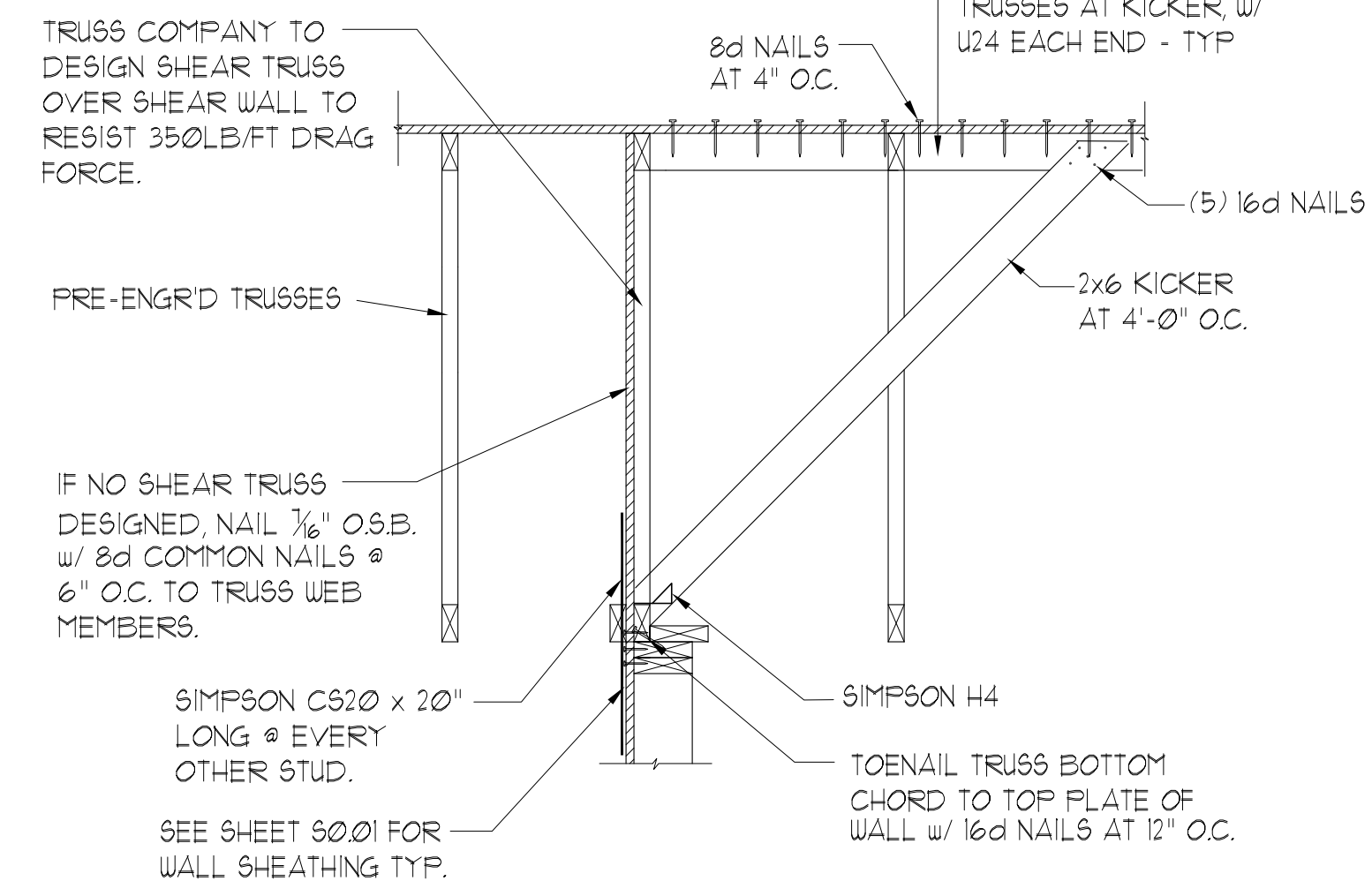
SECTION AND DETAILS  
BLDG TYPES 1, 2 & 3

**S5.03**



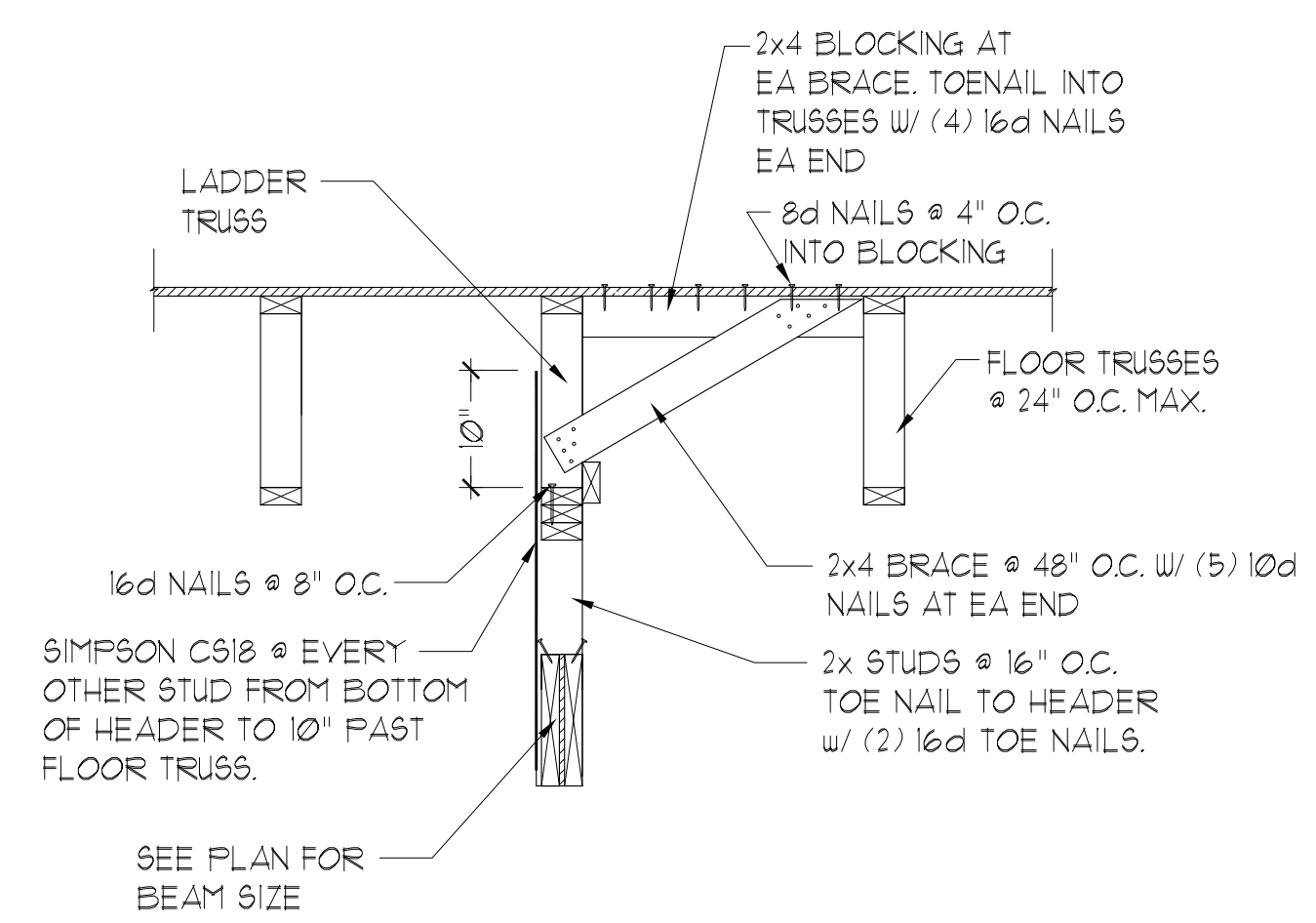
SECTION 1

SCALE: N.T.S.



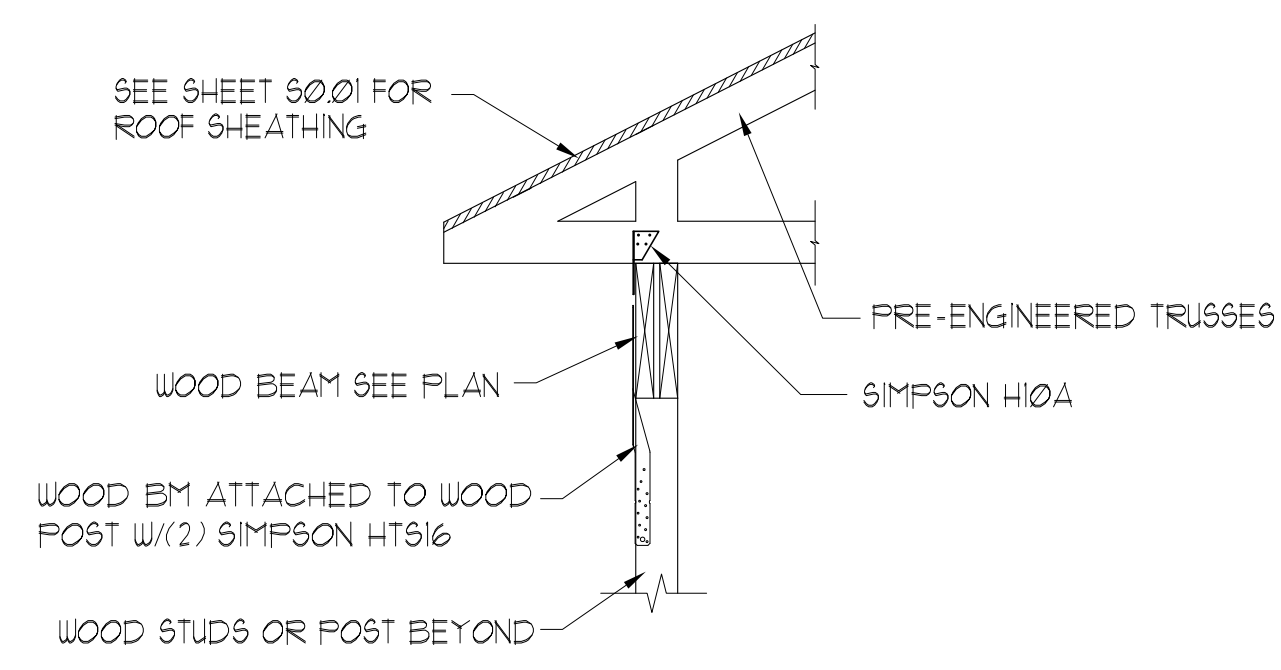
SHEARWALL SECTION @ ROOF

SCALE 3/4" = 1'-0"



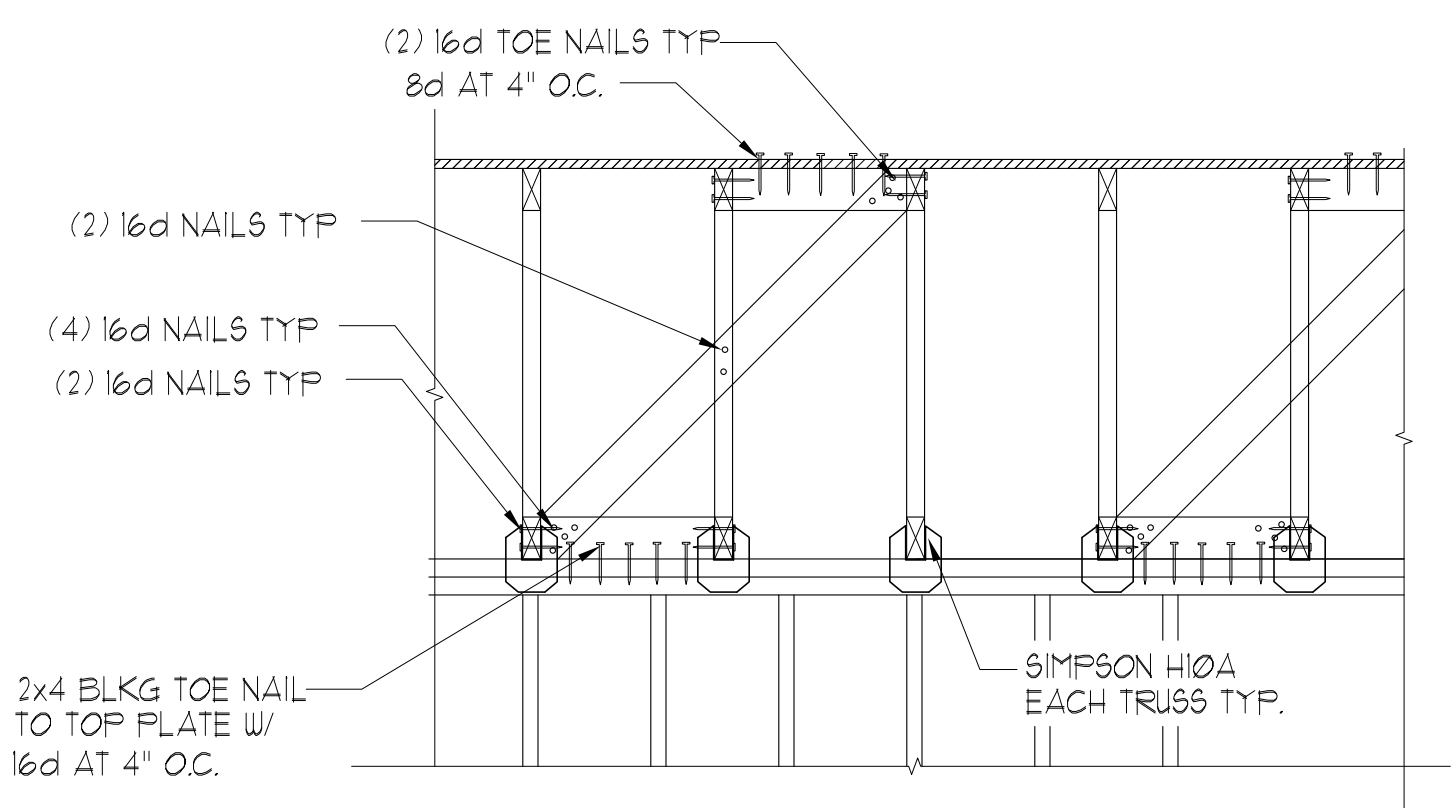
SECTION AT PARALEL TRUSS OVER GARAGE

SCALE 3/4" = 1'-0"



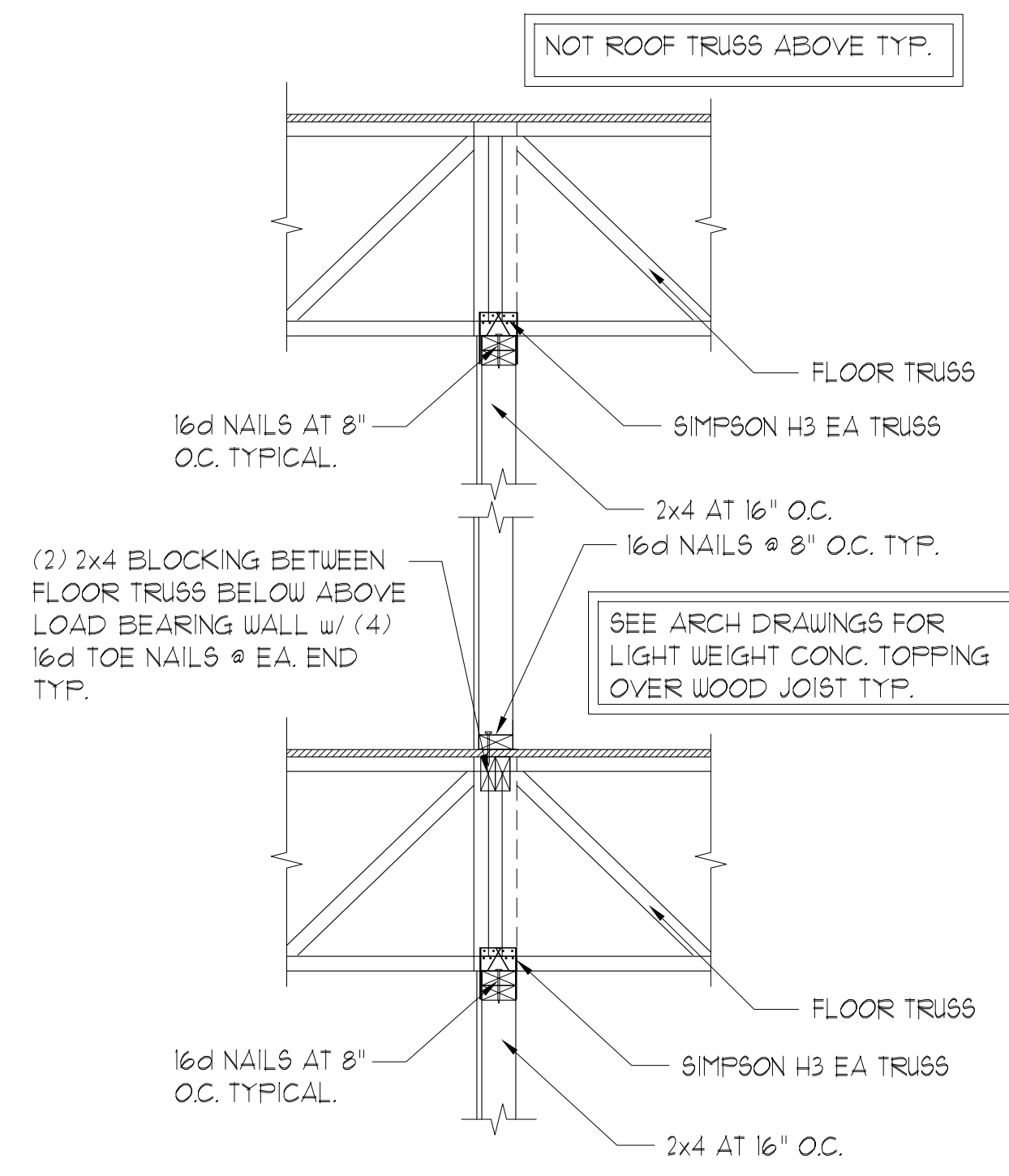
TYP. TRUSS TO FRAME WALL @ BALCONY

SCALE 3/4" = 1'-0"



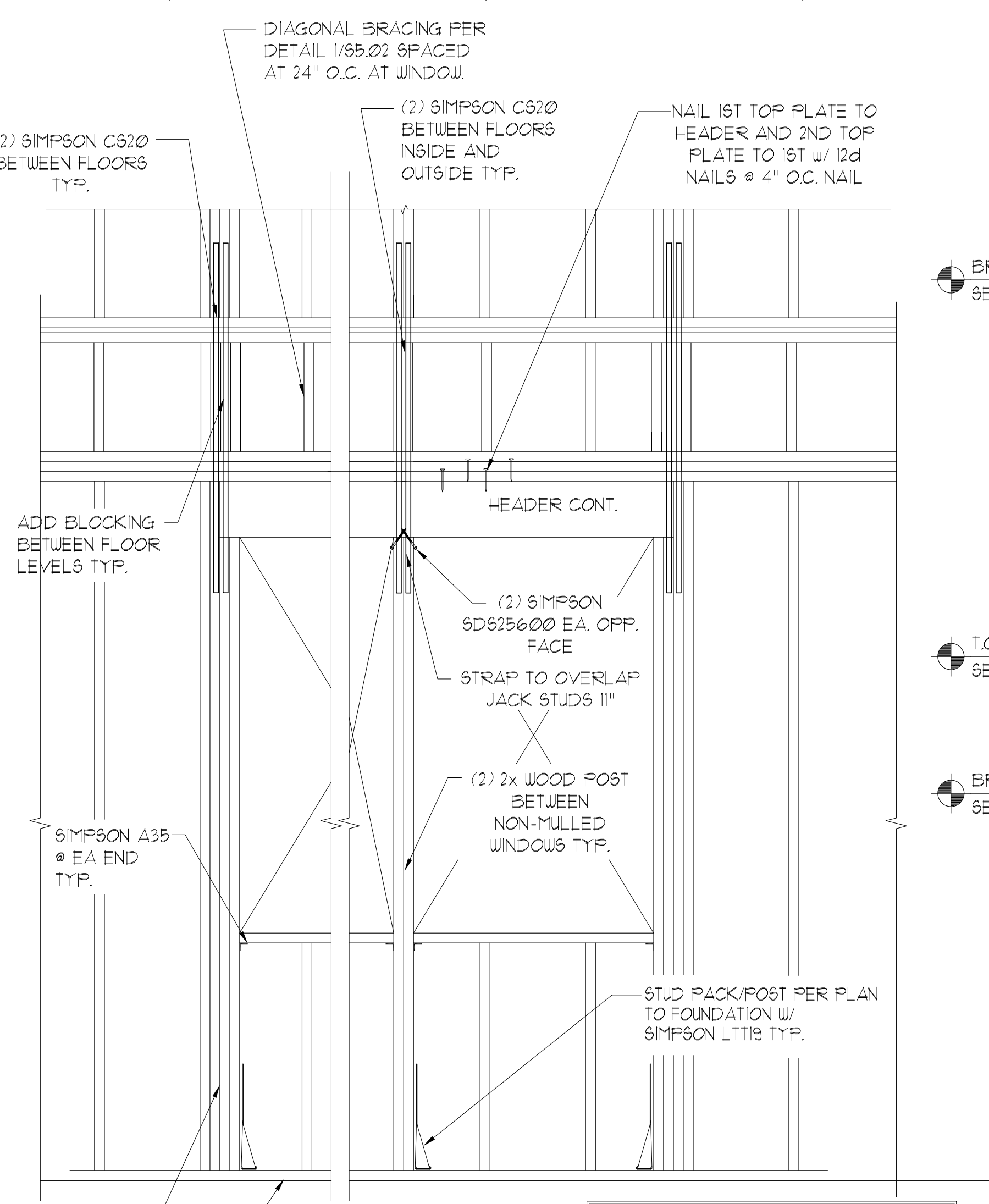
TYP. ROOF TRUSS BRACING AT PERPENDICULAR SHEAR WALL

SCALE 3/4" = 1'-0"



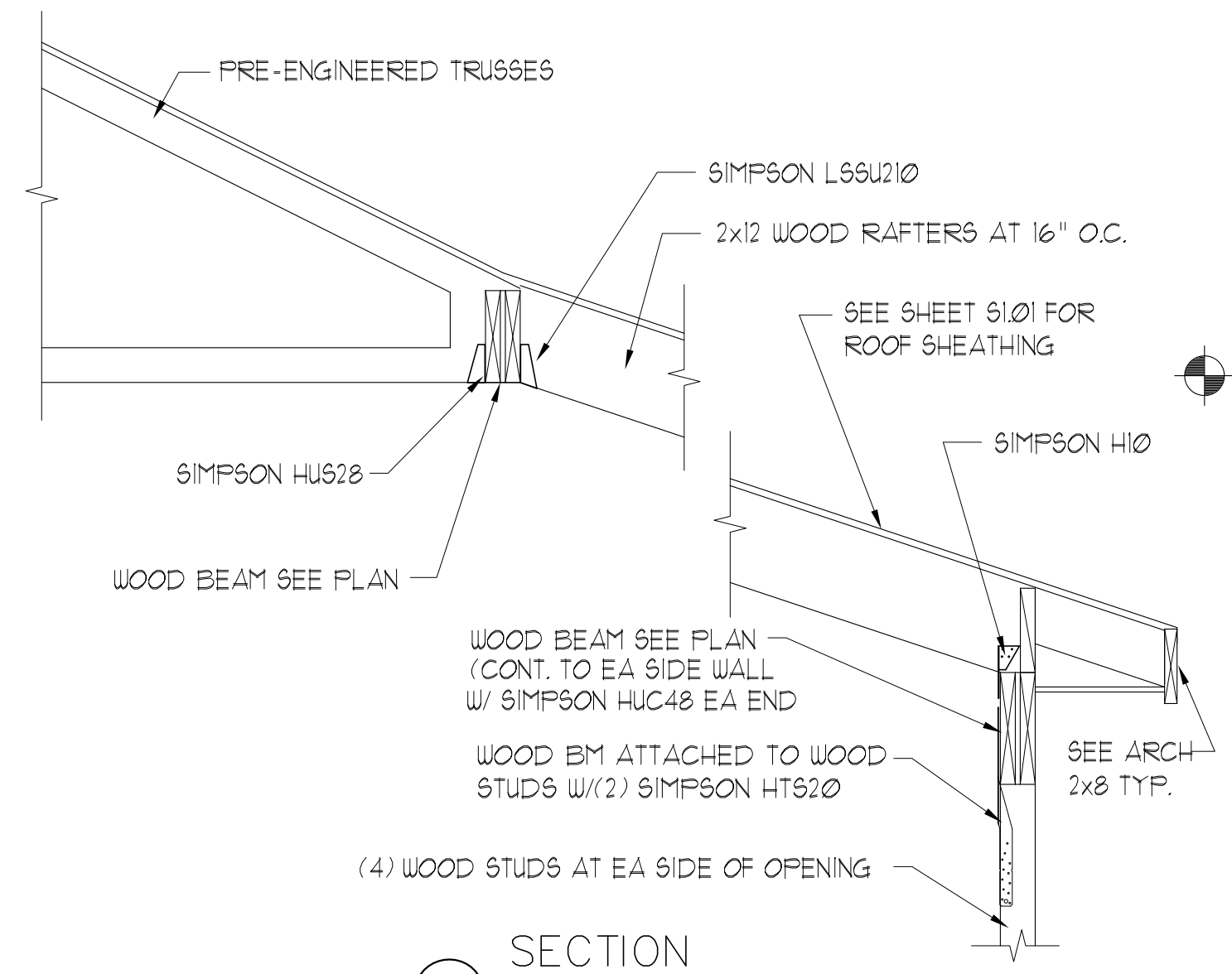
TYP. INTERIOR FLOOR TRUSS BEARING WALL ONLY DETAIL

SCALE: N.T.S.



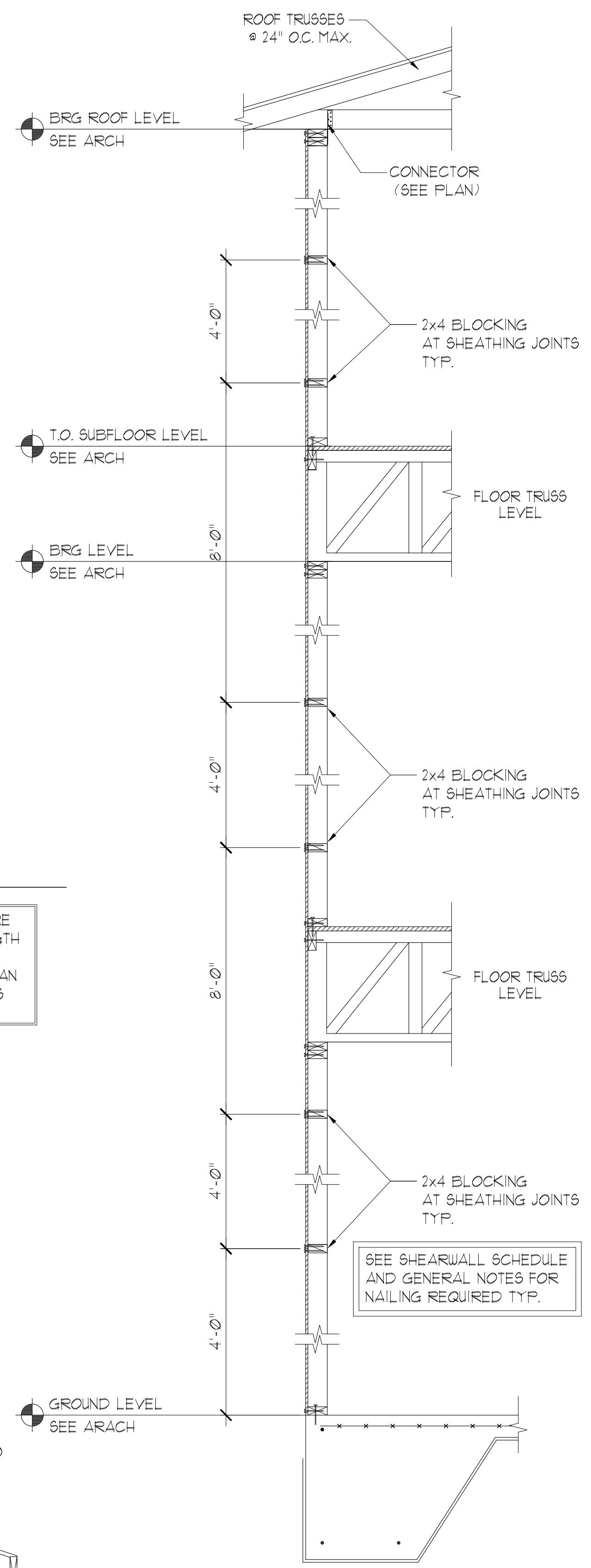
SECTION @ WINDOW

SCALE: N.T.S.



SECTION 8

SCALE 3/4" = 1'-0"



TYP. EXT. WALL SHEATHING AND NAILING LAYOUT

SCALE: N.T.S.

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**FUGLEBERG KOCH** PLLC  
2555 Temple Trail, Winter Park, FL 32789 (407) 629-4595  
www.fuglebergkoch.com BR569  
CONSULTANT

**ASE ENGINEERING SERVICES, INC.**  
STRUCTURAL DESIGN GROUP  
10244 East Colonial Drive, Suite 202  
Orlando, Florida 32811 - 407-677-5560 Fax 407-730-2999  
Certificate of Authorization No. 25873  
Mengsheng Xie P.E.  
Florida No. 51161

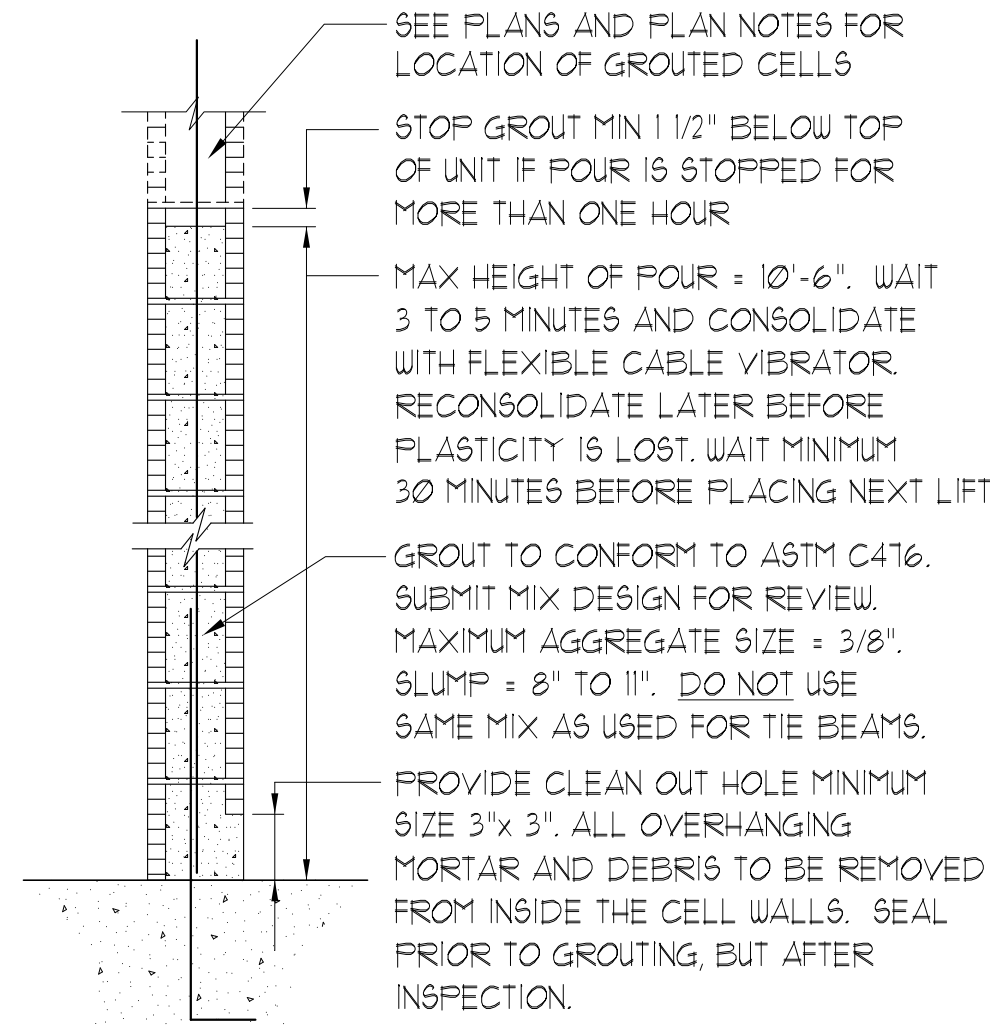
**THE ROBERT**  
FT. MYERS, FL  
Drawn: CW  
Checked: CW  
Approval: MX  
Date: 09/10/2019  
Project #: 5592

SECTION AND DETAILS  
BLDG TYPES 1, 2 & 3

**S5.04**

**MASONRY WALL CONSTRUCTION**

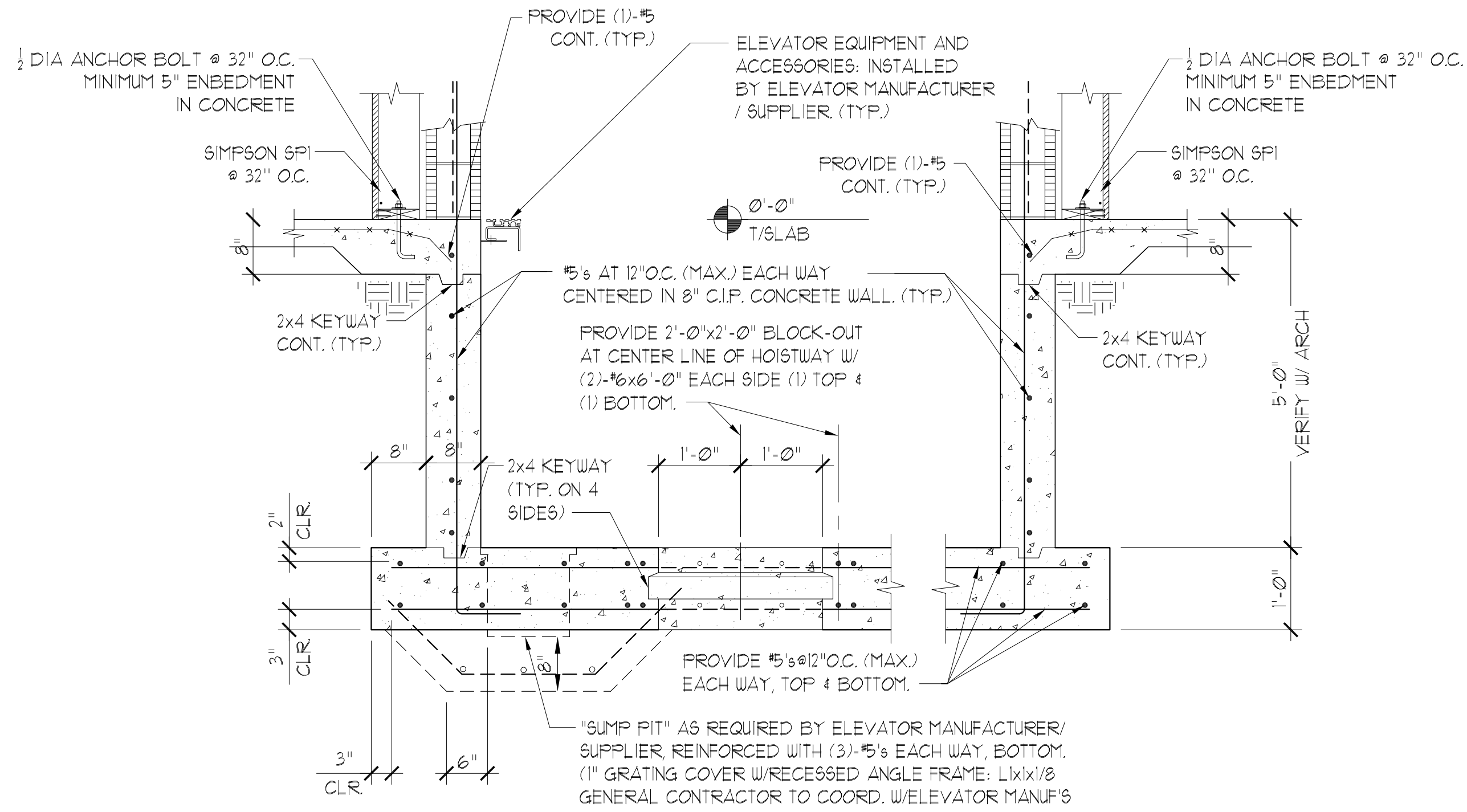
- A. HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 PSI (f<sub>m</sub> = 1500 PSI).
- B. MORTAR SHALL BE TYPE M OR S, CONFORMING TO ASTM C270.
- C. COURSE GROUT SHALL CONFORM TO ASTM C416 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- D. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH CELLS FILLED WITH COARSE GROUT.
- E. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 4'-0". REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL WITH DURO-WAL BAR POSITIONER D/A 811 TYPICAL UNLESS OTHERWISE NOTED. SEE TYPICAL GROUTING DETAILS FOR ADDITIONAL INFORMATION.
- F. REINFORCING STEEL SHALL BE LAPPED MINIMUM 48 BAR DIAMETERS WHERE SPICED UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- G. HORIZONTAL WALL REINFORCEMENT SHALL BE STANDARD LADDER TYPE DUR-O-WAL AT 16" O.C. UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- H. SPICED WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE 6". LAP WITH STANDARD 'T' AND 'L' SHAPED PIECES AT INTERSECTIONS AND CORNERS.
- I. FOUNDATION DOWELS SHALL BE POSITIONED SUCH THAT IT IS ALIGNED WITH THE CENTER OF THE MASONRY UNIT'S VERTICAL CORE AND GROUTED SOLID. SHOULD THE FOUNDATION DOWEL NOT ALIGN WITH THE MASONRY UNIT'S VERTICAL CORE - NOTIFY THE ARCHITECT / STRUCTURAL ENGINEER FOR DIRECTION ON HOW TO CORRECT THE MIS ALIGNMENT.
- J. PROVIDE PRECAST CONCRETE LINTELS OVER ALL OPENINGS UNLESS NOTED OTHERWISE ON DRAWINGS. LINTELS SHALL BE OF SUFFICIENT SIZE AND REINFORCEMENT FOR THE GIVEN SPANS AND LOADING CONDITIONS. SUBMIT SHOP DRAWINGS WITH RATED LOAD CAPACITIES TO THE ARCHITECT FOR REVIEW.
- K. PROVIDE A KNOCK OUT BLOCK OR U-BLOCK REINFORCED WITH (1)-#5 CONTINUOUS AT THE SILL OF ALL WINDOW OPENINGS. EXTEND 8" BEYOND EACH SIDE OF THE OPENING TYPICALLY.



**NOTE:**  
DO NOT GROUT UNTIL MORTAR HAS SET SUFFICIENTLY TO WITHSTAND THE PRESSURE OF THE GROUT. WAIT NOT LESS THAN 24 HOURS.

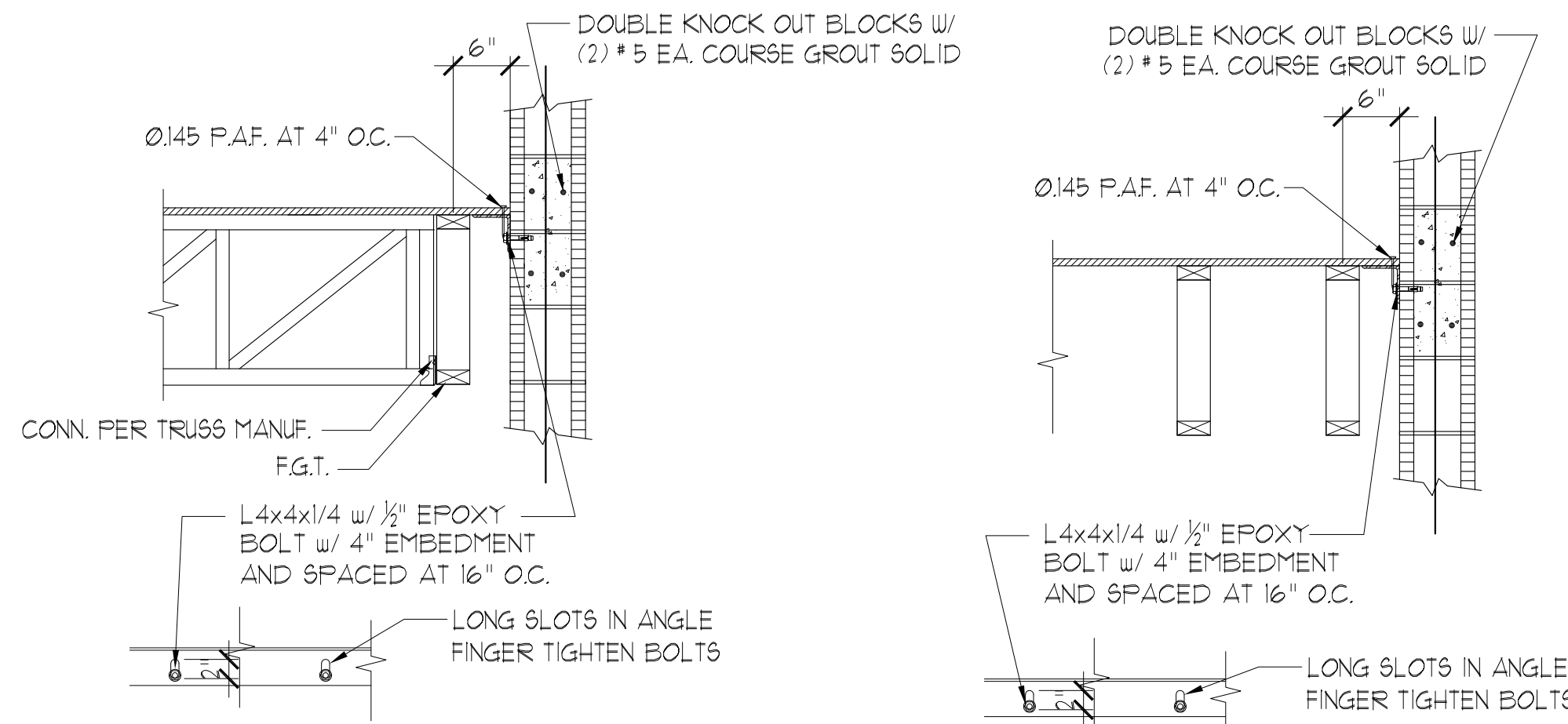
**1 GROUTING SECTION TYPICAL HIGH LIFT**

SCALE: N.T.S.



**2 ELEVATOR PIT DETAIL**

SCALE 3/4" = 1'-0"

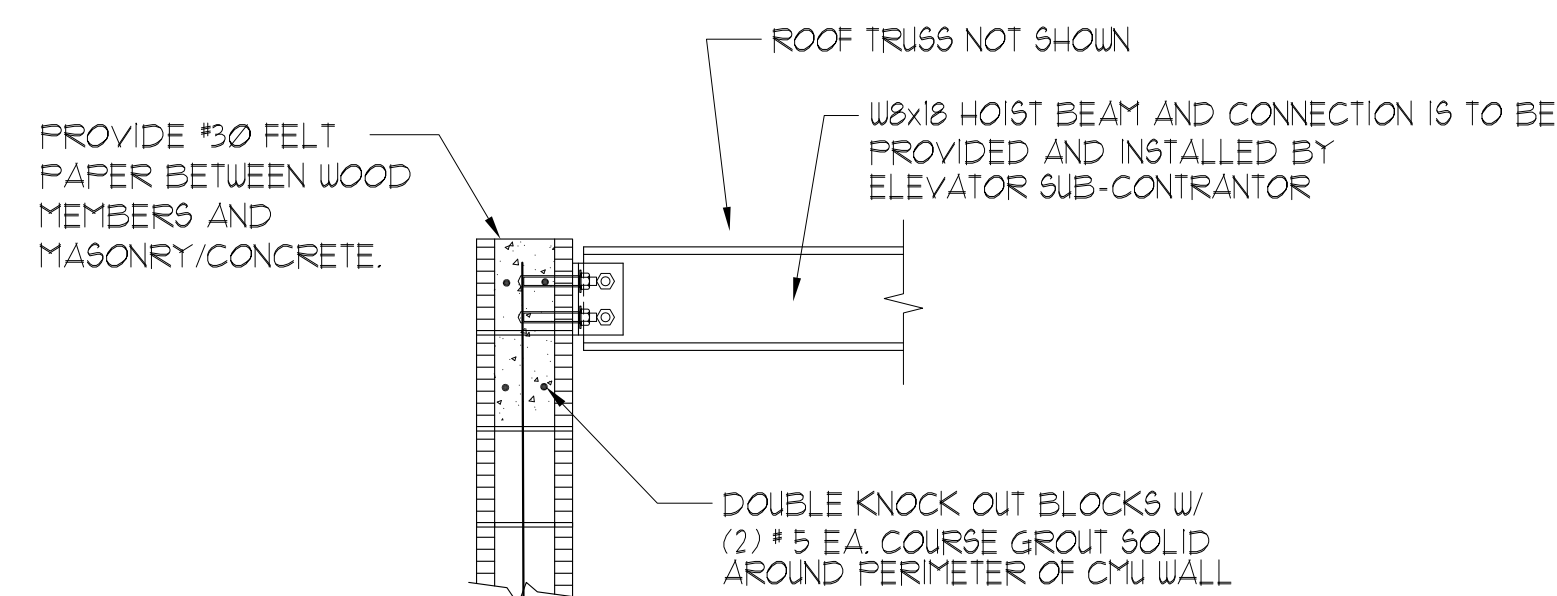


**3 SECTION**

SCALE 3/4" = 1'-0"

**4 SECTION**

SCALE 3/4" = 1'-0"



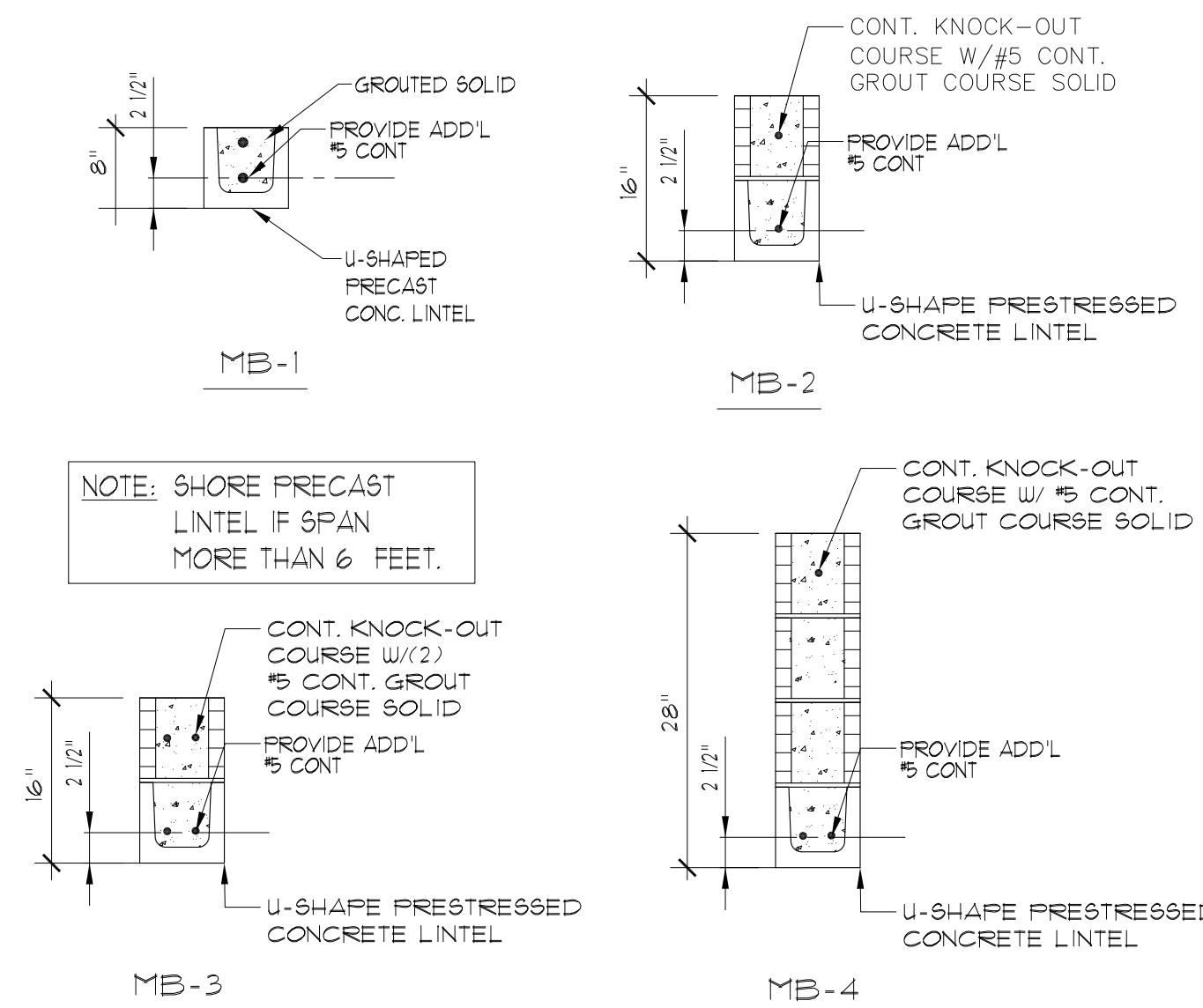
**5 SECTION**

SCALE: N.T.S.

MASONRY LINTEL SCHEDULE (CAST-CRETE LINTEL)			
MARK	LENGTH (L)	CAST-CRETE MARK	REMARK
MB-1	2' - 10" @ L & 5' - 10"	2F16-0B/1T PRECAST	
MB-2	5' - 10" @ L & 14' - 0"	2F16-1B/1T PRECAST	
MB-3	14' - 0" @ L & 21' - 4"	2F16-1B/1T PRESTRESSED	
MB-4	14' - 0" @ L & 21' - 4"	2F20-2B/1T PRESTRESSED	

1. PROVIDE MASONRY LINTEL OVER ALL OPENINGS. IF NO LINTEL IS SPECIFIED, PROVIDE MB-2.
2. PROVIDE MINIMUM END BEARING OF 8". CUT OUT BOTTOM OF LINTEL AT END TO ALLOW CONTINUATION OF FILLED CELL REINFORCING.
3. MASONRY LINTEL SUBSTITUTIONS MUST BE APPROVED BY "ADVANCED STRUCTURAL ENGINEERING" PRIOR TO INSTALLATION.

**NOTE:** SHORE PRECAST "U" LINTELS PER MANUFACTURER'S RECOMMENDATIONS.



**6 MASONRY LINTEL SCHEDULE**

SCALE: N.T.S.

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**FUGLEBERG KOCH**  
PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 629-4595  
www.fuglebergkoch.com 88569

CONSULTANT

**ASE ENGINEERING SERVICES, INC.**  
STRUCTURAL DESIGN GROUP

10244 East Colonial Drive, Suite 202  
Orlando, Florida 32811 - 407-877-5560 Fax 407-730-2999  
Certificate of Authorization No. ZS873

Mehsheng Xie P.E.  
Florida No. 51161

**THE ROBERT**  
FT. MYERS, FL

Drawn: CW  
Checked: CW  
Approval: MX  
Date: 09/10/2019  
Project #: 5582

**SECTION AND DETAILS  
BLDG TYPES 1, 2 & 3**

**S5.05**

**GENERAL NOTES**

1. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS MAY BE NECESSARY.

**CODES AND SPECIFICATIONS**

**A. GENERAL BUILDING CODE:**

1. FLORIDA BUILDING CODE 2011 (6TH EDITION)

**B. CONCRETE:**

- 1. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-89)
- 2. SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301-84)

**DESIGN LOADS**

**A. DESIGN LIVE LOADS**

ROOF ..... 20 P&F

**B. WIND LOADS:**

- 1) BASIC WIND SPEED = 156 MPH (ULTIMATE)  
121 MPH (NOMINAL)
- 2) RISK CATAGORY II
- 3) WIND EXPOSURE B.
- 4) INTERNAL PRESSURE COEFFICIENT: 0.18 FULLY ENCLOSED STRUCTURE
- 5) COMPONENTS AND CLADDING (ASD): +2.411 P&F AND -30.44 P&F FOR DESIGN WIND PRESSURES.

**FOUNDATIONS**

- 1. FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2500 P&F, WHICH SHALL BE VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER PRIOR TO THE START OF WORK.
- 2. PLACE FOOTINGS/SLAB ON COMPACTED SOIL. FOLLOW RECOMMENDATIONS OF SOILS REPORT.
- 3. VERIFY BEARING CAPACITY BY TESTING PRIOR TO SLAB PLACEMENT. SUBMIT REPORTS TO ARCHITECT.

**CAST-IN-PLACE CONCRETE**

- 1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, HAVE A SLUMP OF 4" PLUS OR MINUS 1", AND HAVE 2-4% AIR ENTRAINMENT.
- 2. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
- 3. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318-89.
- 4. ALL REINFORCING DETAILS SHALL CONFORM TO "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" ACI 315-80.
- 5. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL OPENINGS, SLEEVES, ANCHOR BOLTS, INSERTS, ETC., AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED.
- 6. CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC., NECESSARY TO SUPPORT REINFORCING STEEL.
- 7. ALL SLABS SHALL BE POURED MONOLITHICALLY, EXCEPT FOR REQUIRED CONSTRUCTION JOINTS.
- 8. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:  
  
3"-----CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.  
1-1/2"-----ALL OTHER CASES.
- 9. HORIZONTAL SLAB BARS SHALL BE BENT 1'-6" AROUND CORNERS, OR PROVIDE CORNER BARS WITH A 2'-0" LAP ON EACH LEG.
- 10. TESTING LABORATORY SHALL SUBMIT ONE COPY OF ALL CONCRETE TEST REPORTS DIRECTLY TO THE POST TENSION ENGINEER ARCHITECT-SEE SPECS.

**WOOD CONSTRUCTION**

- 1. WOOD CONSTRUCTION SHALL CONFORM TO THE NDS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", LATEST EDITION.
- 2. ALL WALL STUDS AND MISC. WOOD FRAMING SHALL BE NO2 SOUTHERN YELLOW PINE. STUDS FOR LOAD BEARING WALLS SHALL BE AS FOLLOWS:  
  
EXTERIOR WALLS                    2x6'S @ 16" O.C. (U.N.O)  
INTERIOR WALLS                   2x6'S @ 16" O.C. (U.N.O)  
  
ALL LOAD BEARING WALLS SHALL HAVE MIDSPAN HORIZONTAL BLOCKING SPACED AT 48" O.C. INSTALLED BEFORE WALLS ARE LOADED. ALL NON-LOAD BEARING PARTITIONS SHALL CONSIST OF 2x4 STUDS SPACED AT 24" O.C. 2x4 STUDS DO NOT NEED TO BE DOUBLED AT THE FIRST FLOOR FOR NON-LOAD BEARING WALLS.

- 3. PLACE A SINGLE PLATE AT THE BOTTOM AND A DOUBLE PLATE AT THE TOP OF ALL STUD WALLS. 2x SOLE PLATES AT THE EDGES OF SLABS SHALL BE ATTACHED TO THE SLAB WITH SIMPSON MAS MUDSILL ANCHORS (WITH 6 10d NAILS) AT 32" O.C. AT INTERIOR STUD WALLS PROVIDE EITHER HILTI ZF12 (WITH 2 7/8" LENGTH, 5/64" THICK WASHERS) POWDER DRIVEN FASTENERS AT 8" ON CENTER, OR 1/2" DIAMETER ANCHOR BOLTS WITH 6" EMBEDMENT, AT 32" ON CENTER. RED-HEAD FASTENERS OF EQUIVALENT SIZES MAY BE USED. ALL OTHER SUBSTITUTIONS MUST BE APPROVED BY ADVANCED STRUCTURAL ENGINEERING PRIOR TO INSTALLATION. SEE THE SHEAR WALL SCHEDULE BELOW FOR SPECIAL SOLE PLATE ATTACHMENT.
- 4. STUDS SHALL BE PACKED AT ALL ANGLES, CORNERS, AROUND ALL OPENINGS AND AT SHEAR WALLS. SEE SCHEDULES, UL ASSEMBLIES AND ARCH. DETAILS FOR REQUIREMENTS.
- 5. WOOD LINTELS OVER OPENINGS SHALL BE AS NOTED PER DETAIL 1/65.02. NAIL MULTIPLE STUDS TOGETHER WITH 16d NAILS @ 12" O.C. EACH PLY.
- 6. WALL SHEATHING SHALL BE: (SEE SHEAR WALL SCHEDULE 9102 FOR REQUIREMENTS AT SHEAR WALLS.)  
  
AT INTERIOR WALLS PROVIDE 5/8" GYPSUM WALLBOARD (SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS) EACH SIDE OF STUDS, NAILED WITH 5d COOLER NAILS AT 1" O.C. (USE 6d COOLER NAILS FOR 5/8" WALLBOARD) AT ALL SUPPORTS. PROVIDE SOLID 2x BLOCKING AT ALL SHEET EDGES. BLOCKING IS NOT REQUIRED AT NON-LOAD BEARING PARTITIONS.

AT EXTERIOR WALLS SHEATH THE INTERIOR FACE OF WALLS WITH 5/8" GYPSUM WALLBOARD AS NOTED ABOVE FOR INTERIOR WALLS. SHEATH THE EXTERIOR FACE OF WALLS WITH 7/16" C-DX PLYWOOD (OR 7/16" O.S.B.) NAILED WITH 8d NAILS AT 6" O.C. AT ALL EDGE SUPPORTS, AND 8d NAILS AT 6" O.C. AT ALL INTERMEDIATE SUPPORTS. PROVIDE SOLID DOUBLE 2x BLOCKING AT ALL SHEET EDGES. SHEARWALL SCHEDULE NOTE 5.

- 7. ALL WOOD IN CONTACT WITH CONCRETE OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED.
- 8. ROOF SHEATHING SHALL BE 15/32" C - D PLYWOOD OR 15/32" O.S.B., NAILED WITH 8d NAILS AT 6" O.C. AT SUPPORTED EDGES, AND 8d NAILS AT 12" O.C. AT INTERMEDIATE SUPPORTS. PROVIDE ONE PLYWOOD CLIP PER SPAN BETWEEN SHEET EDGES. PROVIDE SOLID 2x BLOCKING BETWEEN SUPPORTS AT ALL HIPS, RIDGES, VALLEYS, AND CHANGES IN ROOF SLOPE.
- 9. ALL LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED GRADING AGENCY.
- 10. NAILING SCHEDULE:

CONNECTION	COMMON NAIL	NUMBER OR SPACING
SOLE PLATE TO TRUSSES OR BLOCKING	16d	8" O.C.
STUD TO SOLE PLATE, TOE NAIL	8d	4
DOUBLE STUDS, FACE NAIL	16d	24" O.C.
DOUBLE TOP PLATES, FACE NAIL	16d	16" O.C.
TOP PLATES LAPS AND INTERSECTIONS	16d	4
TRUSSES, LAPS OVER WALLS, FACE NAIL	16d	3
BUILT-UP CORNER STUDS	16d	12" O.C.
STUDS TO SOLE PLATE, END NAIL	16d	2

WHERE WOOD BEAMS/HEADERS ABUT WOOD COLUMNS, PROVIDE SIMPSON "HHUC" CONNECTORS WITH ALL NAILS SPECIFIED BY THE MANUFACTURER.

AT ALL WALLS SUPPORTING ROOF TRUSSES PROVIDE UPLIFT STRAPPING/CONNECTORS SHOWN IN THE TYPICAL WALL ELEVATION 1/65.02. OR ALTERNATE: HURRY-BOLT SYSTEM OR EQUAL. - SUBMIT ENGINEERED SHOP DRAWINGS FOR REVIEW.

- 11. ALL LOAD BEARING WALLS SHALL HAVE MIDSPAN HORIZONTAL BLOCKING SPACED AT 48" O.C. INSTALLED BEFORE WALLS ARE LOADED.
- 12. ALL NON-LOAD BEARING PARTITIONS SHALL CONSIST OF 2x4 STUDS SPACED AT 24" O.C. 2x4 STUDS DO NOT NEED TO BE DOUBLED AT THE FIRST FLOOR FOR NON-LOAD BEARING WALLS.
- 13.

**PREFABRICATED WOOD TRUSSES**

- 1. ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED AT EACH END TO THEIR SUPPORTING WALLS OR BEAMS AS SHOWN IN THE TYPICAL WALL ELEVATION 1/65.02
- 2. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENERS" AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- 3. TRUSS MEMBERS AND CONNECTIONS SHALL BE DESIGNED (WITH A MAXIMUM ALLOWABLE STRESS INCREASE FOR LOAD DURATION OF 25% FOR ROOF TRUSSES ONLY) TO WITHSTAND THE LIVE LOADS GIVEN IN THE NOTES AND TOTAL DEAD LOAD.
- 4. TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND DESIGN NOTES WITH A FLORIDA REGISTERED ENGINEER'S SEAL FOR APPROVAL BY THE ARCHITECT. DESIGN NOTES TO INCLUDE THE RATED LOAD CAPACITY OF THE CONNECTORS USED TO SECURE THE MEMBERS, CERTIFICATION OF THE CONNECTOR CAPACITIES AND MANUFACTURER'S LICENSE TO FABRICATE TRUSSES UTILIZING THE CONNECTOR SYSTEM PROPOSED.
- 5. THE CONTRACTOR SHALL APPROVE FABRICATION AND INSTALLATION DRAWINGS SHOWING SIZE, SHAPE AND LAYOUT PRIOR TO SUBMITTAL FOR REVIEW BY THE ARCHITECT AND BEFORE FABRICATION HAS BEGUN.
- 6. BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE AS REQUIRED BY TRUSS MANUFACTURER AND THE LOCAL BUILDING CODE, UNLESS NOTED ON PLANS. ALSO WHERE HEEL HEIGHT ON BOTTOM CHORD BEARING TRUSSES EXCEEDS 11" PROVIDE CONTINUOUS 2x4 LET IN.

**1. DESIGN LOADS - DEAD LOADS:**

FLOOR TRUSSES	BOTTOM CHORD	8 P&F
	TOP CHORD (APTS)	15 P&F
OUTSIDE TRUSSES	BOTTOM CHORD	8 P&F
	TOP CHORD	45 P&F
ROOF TRUSSES	BOTTOM CHORD	10 P&F
	TOP CHORD	10 P&F (SHINGLE)
	TOP CHORD	12 P&F (TILE)
	TOP CHORD (AT OVERBUILT AREAS)	5 P&F ADDITIONAL

- 8. ALL SIMPSON TRUSS ANCHORS SHOWN ON DRAWINGS SHALL BE VERIFIED FOR LOADS SHOWN ON WOOD TRUSS DESIGN CALCULATIONS. THEREFORE, ANCHOR SIZES AND TYPES ARE SUBJECT TO CHANGE BY ADVANCED STRUCTURAL ENGINEERING II.

**FASTENER SUBSTITUTIONS:**

ALL NAILS ARE COMMON NAILS, UNLESS NOTED OTHERWISE. THE FOLLOWING FASTENERS ARE ACCEPTABLE SUBSTITUTIONS. THE ALTERNATE FASTENERS SHALL BE SPACED AT THE SAME SPACING AS THE SCHEDULED FASTENERS.

SCHEDULED FASTENER	ALTERNATE FASTENER
8d COMMON NAIL	8d RING SHANK NAIL 8d SCREW SHANK NAIL 0131 P-NAIL
10d COMMON NAIL	10d RING SHANK NAIL 10d SCREW SHANK NAIL 0148 P-NAIL
16d COMMON NAIL	16d RING SHANK NAIL 16d SCREW SHANK NAIL
6d COOLER NAIL	5/8 x 1 1/4" TYPE 6 OR W DRYWALL SCREW

WATERPROOFING FOR THIS BUILDING IS THE SOLE RESPONSIBILITY OF THE BUILDER/CONTRACTOR/ARCHITECT, HENCE NO DETAILS OF FLASHING, FLOOR, SLOPE AND STEP, NOR ANY OTHER WATERPROOFING MEASURES HAVE BEEN INCLUDED IN OUR DRAWINGS. IF SLOPE AND FLOOR STEPS ARE SHOWN ON OUR DRAWINGS, THEY SHALL BE USED ONLY AS A REFERENCE.

**SHOP DRAWING SUBMITTALS**

- A. ALL SHOP DRAWINGS SHALL BE REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL. ALL SUBMITTALS SHALL BE PROVIDED FOR THE ENGINEER REVIEW A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION OR REQUIRED DELIVERY OF MATERIALS. THE ENGINEER SHALL BE PROVIDED A MINIMUM OF (10) BUSINESS DAY TO REVIEW SUBMITTALS. THE CONTRACTOR SHALL MAKE NO CLAIMS FOR DELAY FOR SUBMITTALS NOT PROVIDED IN ACCORDANCE WITH THIS REQUIRED REVIEW PERIOD OR NOT OTHERWISE SUBMITTED IN A TIMELY MANNER.
- B. THE GENERAL CONTRACTOR SHALL SUBMIT FOR ENGINEER REVIEW SHOP DRAWINGS FOR THE FOLLOWING ITEMS:  
1. STRUCTURAL STEEL  
2. REINFORCING STEEL (\*)  
3. PRE-ENGINEERED WOOD TRUSSES (\*)  
4. CONCRETE MIX DESIGNS  
5. POST-TENSION CABLE SHOP DRAWINGS WITH CALCULATIONS (\*)  
6. CMU WALL  
7. PRE-ENGINEERED STAIRS WITH CALCULATIONS.

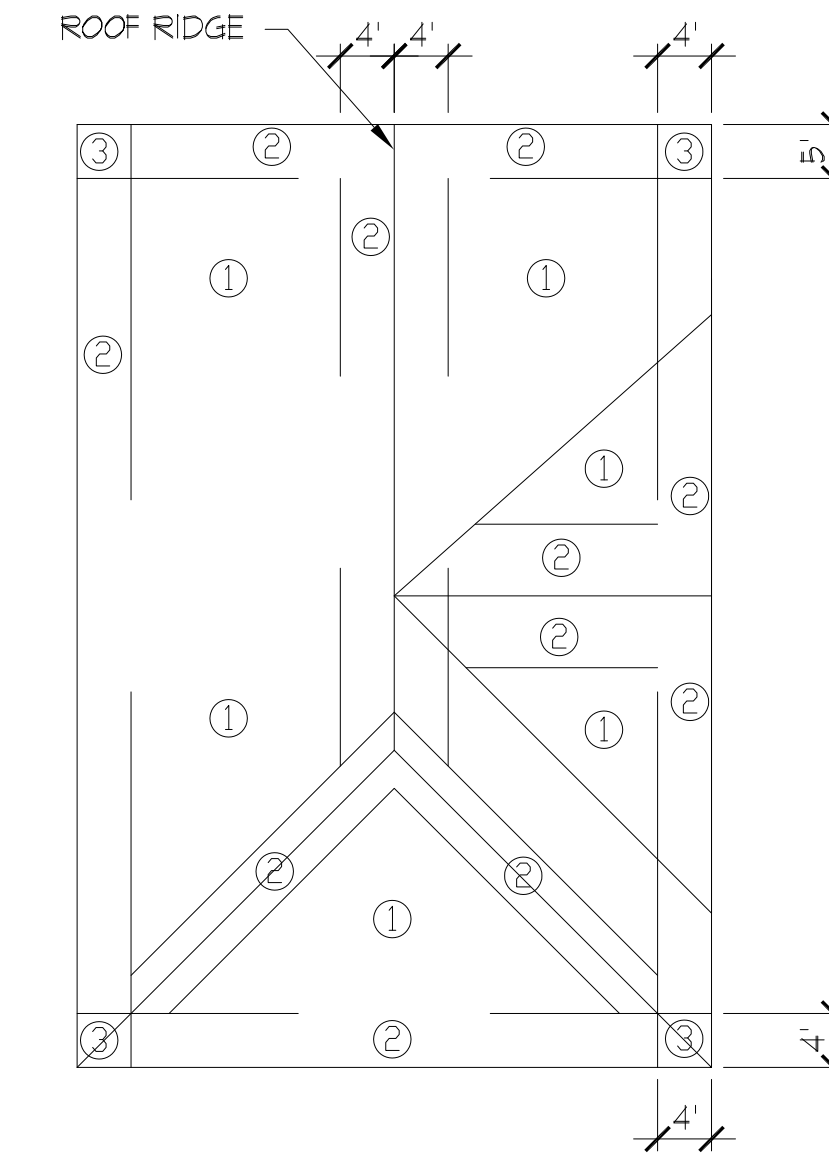
ITEMS MARKED (\*) SHALL HAVE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. ITEMS MARKED (P) SHALL BE SUBMITTED FOR ENGINEERS RECORD ONLY.

- C. MANUFACTURER'S LITERATURE: SUBMIT TWO COPIES OF MANUFACTURER'S LITERATURE FOR ALL MATERIALS AND PRODUCTS USED IN CONSTRUCTION ON THE PROJECT.

TYPE	HEADER/BEAM	TYPE	HEADER/BEAM
H-1	TRIPLE 2x6	H-5	(2) 1 3/4" x 11 7/8" LVL
H-2	TRIPLE 2x8	H-6	(2) 1 3/4" x 9 1/4" LVL
H-3	TRIPLE 2x10	H-7	(3) 1 3/4" x 11 7/8" LVL
H-4	DOUBLE 2x12		

- 1. PROVIDE WOOD HEADERS OVER ALL OPENINGS. IF NO HEADER IS SPECIFIED, PROVIDE H-3 AT WALLS SUPPORTING TRUSSES, AND H-2 AT OTHER WALLS.
- 2. AT DOUBLE OR TRIPLE 2x HEADER/BEAMS PROVIDE A 1/2" PLYWOOD (OR O.S.B.) SPACER BETWEEN MEMBERS (EXCEPT LVL BEAM).
- 3. NAIL ALL MULTI-MEMBER HEADERS AND BEAMS TOGETHER WITH 16d NAILS AT 12" O.C. TOP AND BOTTOM, EACH SIDE, STAGGERED.

**ROOF FASTENING ZONES**  
**GABLE ROOF**



**HIP ROOF**

ROOF SHEATHING FASTENING SCHEDULE:  
NOTE: USE 8d RING SHANK NAILS IN ZONE

PANEL EDGES	PANEL FIELD
① NAILS 6" O.C.	① NAILS 6" O.C.
② NAILS 6" O.C.	② NAILS 6" O.C.
③ NAILS 4" O.C.	③ NAILS 4" O.C.

**WINDOW & DOOR WIND PRESSURES**  
**156 MPH WIND ZONE EXPOSURE B**  
**BUILDING CATAGORY II. BELOW VALUES**  
**BASED ON ALLOWABLE STRESS DESIGN (ASD)**

OPENING SIZE	INTERIOR ZONE	EXTERIOR ZONE**
8' GARAGE DOOR	+25.31 / -28.64	+25.31 / -28.64
16' GARAGE DOOR	+24.20 / -26.91	+24.20 / -26.91
10 SQFT	+26.91 / -29.24	+26.91 / -36.10
20 SQFT	+25.11 / -28.04	+25.11 / -33.63
50 SQFT	+24.11 / -26.44	+24.11 / -30.44
100 SQFT	+22.91 / -25.17	+22.91 / -28.04

\*\*END ZONE IS DEFINED AS AN AREA WITHIN 8' FROM THE EDGE OF THE BUILDING

STANDARD WINDOWS AND DOORS WILL GENERALLY FALL INTO THE 10 TO 20 SQ. FT. CATEGORY. STANDARD DOUBLE SLIDING GLASS DOORS WILL GENERALLY FALL INTO THE 20 TO 50 SQ. FT. CATEGORY. STANDARD DOUBLE GARAGE DOORS WILL GENERALLY FALL INTO THE 50 TO 100 SQ. FT. CATEGORY

**ISSUE HISTORY**

No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/08/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

**REVISION HISTORY**

No.	Date	Description
-	-	-



2555 Temple Trail, Winter Park, FL 32789 (407) 629-0195  
www.fuglebergkoch.com AA20602103

CONSULTANT

**ASE ENGINEERING SERVICES, INC.**

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Orlando, Florida 32817 • 407-677-5565 Fax 407-730-2999  
Certificate of Authorization No. 25873

Mingcheng Xia P.E.  
Florida No. 51161

THE ROBERT	Date:	CW
	Checked:	CW
	Approved:	MX
	Date:	09/10/19
	Page #:	5502

**GENERAL NOTES**

**CS1.01**

CONNECTOR SCHEDULE  
SIMPSON

#	SIMPSON OR EQUAL	FASTENERS	UPLIFT(lbs.)	WOOD TO:	USP
1	H10	(8) 8d	990	WOOD	N/A
2	HTS20	(24) 10d x 1-1/2	1450	WOOD	HTW20
3	LTS12	(12) 10d x 1-1/2	775	WOOD	LTW12
4	H3	(4) 8d	455	WOOD	RT7
5	LTT20B	(10) 16d INTO STUDS	1750 (NAILS)	CONCRETE, WOOD	LTS20B
6	HTT16	(18) 16d	4175 (NAILS)	CONCRETE, WOOD	HTT16
7	SP-1 SP-4	(10) 10d (6) 10d x 1-1/2	585 735	WOOD (BOTT OF STUD) WOOD (TOP OF STUD)	SPT22 SPT4
8	THA/THAC TYP	PER SIMPSON CATALOG	PER SIMPSON CATALOG	SELECTION BASE ON TRUSS WIDTH AND HEIGHT	MSH TYP
9	CS16	(22) 10d	1650	11" MIN AT EA END FOR WOOD	RS150
10	MAS	(6) 10d x 1-1/2	1005	SLAB, STEMWALL	FA3
11	HCP2 HCP4	(12) 10d x 1-1/2 (16) 10d	605 1000	FOR 2x MEMBER FOR 4x MEMBER	N/A N/A
12	A35	(12) 8d x 1 1/2	450 SHEAR	WOOD	MPA1
13	CC44, ECCU44 CC66, ECCU66	(4) 5/8d BOLTS (6) 5/8d BOLTS	1465 (UPLIFT) 3660 (UPLIFT)	ECCU44 AT BEAM END ECCU66 AT BEAM END	KCC44, KECCU44 KCC66, KECCU66
14	PC/EPC TYP	PER SIMPSON CATALOG	PER SIMPSON CATALOG	SELECTION BASE ON POST AND BEAM WIDTH	PCM/EPCM TYP
15	ECCLL44 ECCLL66	BOLTS AS REQ	1465 (UPLIFT) 3660 (UPLIFT)	ECCLL44 FOR 4x4 POST ECCLL66 FOR 6x6 POST	KECCLL44 KECCLL66
16	ABU44 ABU66	(12) 16d 5/8 ANCHOR BOLT	2200	ABU44 FOR 4x4 POST ABU44 FOR 4x4 POST	PAU44 PAU66
17	HUC410	(18) 16d FOR WOOD	1510	CONCRETE, MASONRY, WOOD FOR 4x10 BM	HD410IF
18	HUC412	(22) 16d FOR WOOD	1510	CONCRETE, MASONRY, WOOD FOR 4x12 BM	HD412IF
19	LUS TYP	PER SIMPSON CATALOG	PER SIMPSON CATALOG	LUS24 FOR 2x6, LUS26 FOR 2x8, LUS28 FOR 2x10, ETC.	JUS TYP

NOTE: USE TRUSS SHOP DRAWINGS TO DETERMINE UPLIFT REQUIREMENTS. PROVIDE TRUSS ANCHOR THAT PROVIDES AN UPLIFT CAPACITY EQUAL TO OR GREATER THAN THE UPLIFT INDICATED ON THE TRUSS SHOP DRAWINGS. INSTALL ALL TRUSS ANCHORS PER THE MANUFACTURER'S REQUIREMENTS.

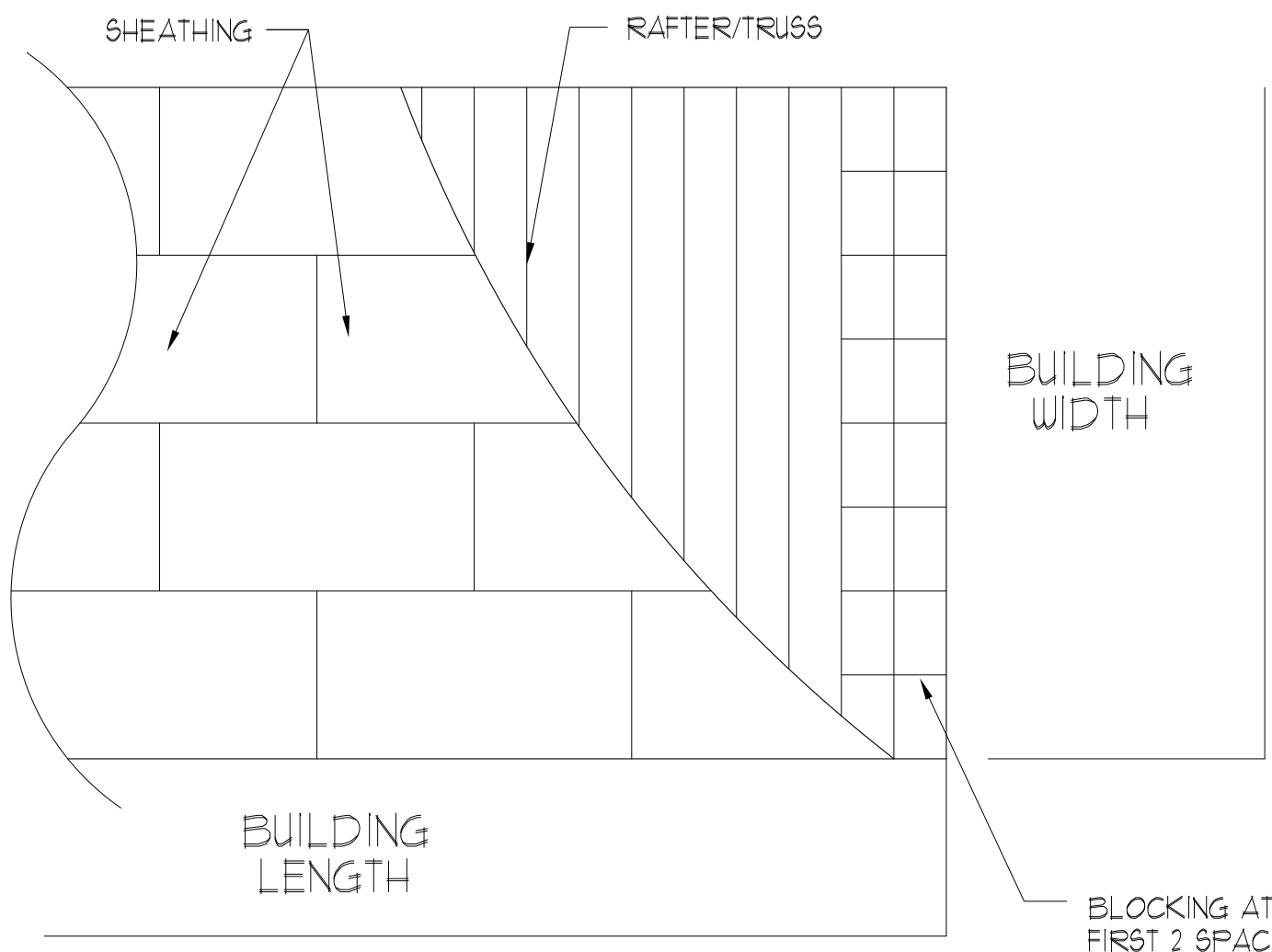
SHEARWALL SCHEDULE

TYPE	SHEATHING	SHEATHING NAILING	FND CONN EACH END OF WALL			FND SOLE PLATE ATTACHMENT	
	FND-ROOF	FND-ROOF	CONNECTOR	FND BOLT-12" EMBED DBL NUT EA END	ATTACH TO STUDS		REQ'D STUDS AT END OF WALL
1	1/2" C-DX PLYWOOD OR OSB	8d NAILS @ 4" O.C.	HDSB	3/4" DIA	(2) 3/4" DIA	(3) 2x6 OR WD POST	1/2" DIAx 7" EMB. A. BOLTS @ 32" O.C.
2	5/8" GYPSUM WALLBOARD	6d COOLER NAILS @ 7" O.C.	HDSB	3/4" DIA	(2) 3/4" DIA	(2) 2x4	1/2" DIAx 7" EMB. A. BOLTS @ 32" O.C.

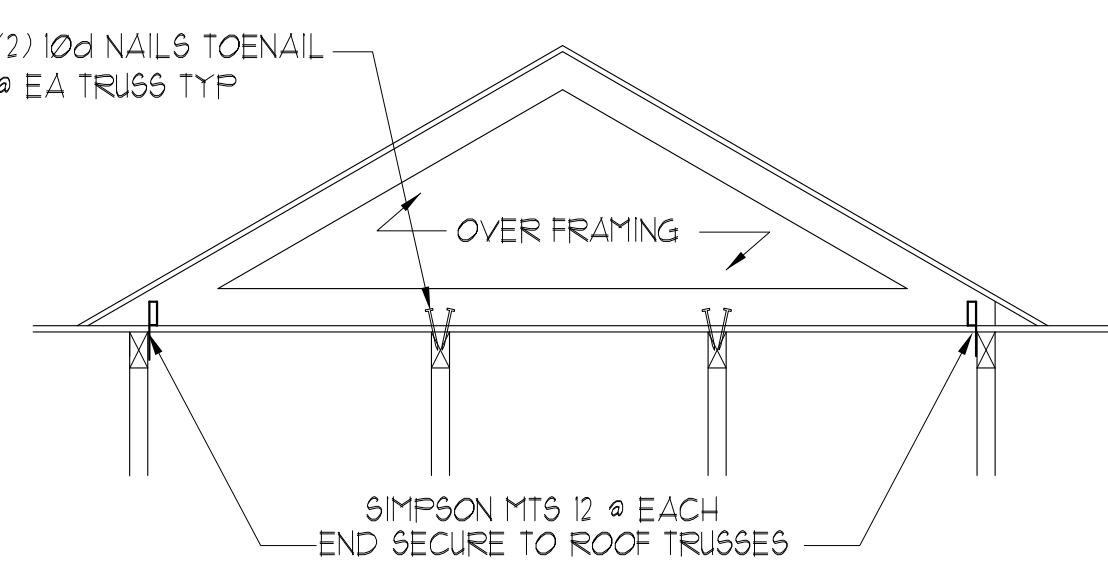
\*1 SHEATH EXTERIOR FACE WITH PLYWOOD SCHEDULED, AND THE INTERIOR FACE OF STUDS AS SPECIFIED IN THE GENERAL NOTES FOR INTERIOR WALLS.

NOTES:

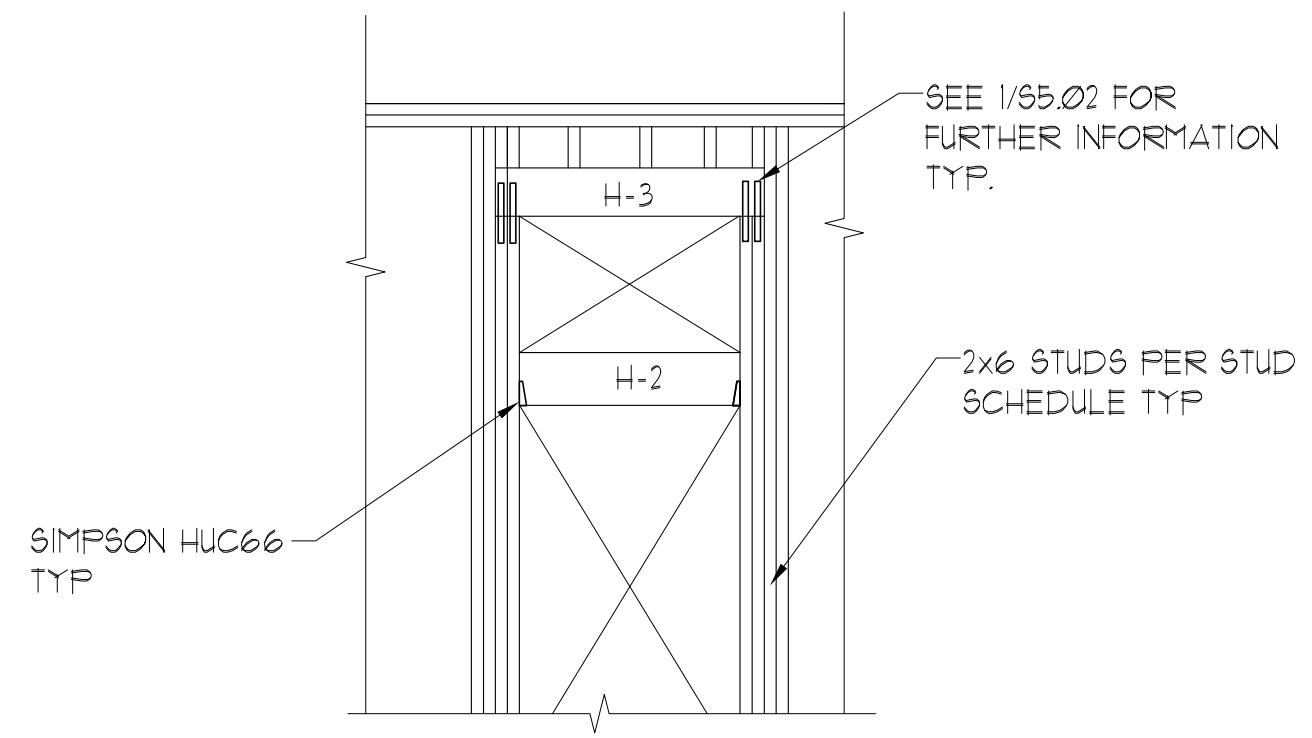
- ALL HD AND CS FASTENERS ARE AS MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, INC, OR EQUAL.
- WHERE SCHEDULED ADDITIONAL STUDS AT THE ENDS OF SHEAR WALLS ARE INTERRUPTED AT TRUSS BEARING, PROVIDE SOLID BLOCKING IN THE TRUSS SPACE TO MATCH THE STUDS SCHEDULED FOR THE LOWER FLOOR.
- WHERE SCHEDULED SHEATHING CANNOT EXTEND FULL HEIGHT OF WALL, PROVIDE SHEATHING OR BLOCKING BETWEEN FLOOR TRUSSES AT ALL SHEARWALLS.
- SHEATHING SHALL EXTEND FULL HEIGHT OF SHEARWALLS. STAGGER SHEATHING HORIZONTAL JOINTS SO THEY DO NOT FALL AT HORIZONTAL JOINT BETWEEN DOUBLE TOP PLATES.
- WHEREVER THE SHEATHING OF A SHEAR WALL IS INTERRUPTED (I.E. BY AN INTERSECTING WALL) IN THE VERTICAL PLANE, THE SCHEDULED 'ADD'L STUD AT END OF WALL' AND HOLDDOWN ANCHORS SHALL BE PROVIDED AT THE END OF THE SHEATHING (ONE EACH SIDE OF THE INTERRUPTION). THE QUANTITY OF SHEARWALL CALLOUTS ON THE PLANS MAY NOT ACCURATELY REFLECT THE NUMBER OF HOLDDOWNS REQUIRED BECAUSE OF THIS. THE CONTRACTOR MUST FIRST DETERMINE WHERE THE SHEARWALL SHEATHING WILL BE INTERRUPTED BEFORE DETERMINING THE NUMBER HOLDDOWNS REQUIRED.
- WHERE BOLTS ARE CALLED OUT FOR HOLDDOWN ANCHORS, THE BOLTS SHALL BE THROUGH BOLTS CONFORMING TO ASTM A307.
- 7/16" D.S.B. MAY BE USED IN LIEU OF THE 1/2" C-DX PLYWOOD SHEATHING.
- ANCHOR BOLTS SHALL ALL HAVE 3" HOOKS. A36 ALL THREAD RODS, DRILLED AND EPOXY GROUTED INTO FOOTINGS, MAY BE SUBSTITUTED FOR ANCHOR BOLTS CAST IN PLACE. ALL THREAD RODS SHALL HAVE SAME EMBEDMENT DEPTH AS ANCHOR BOLTS.



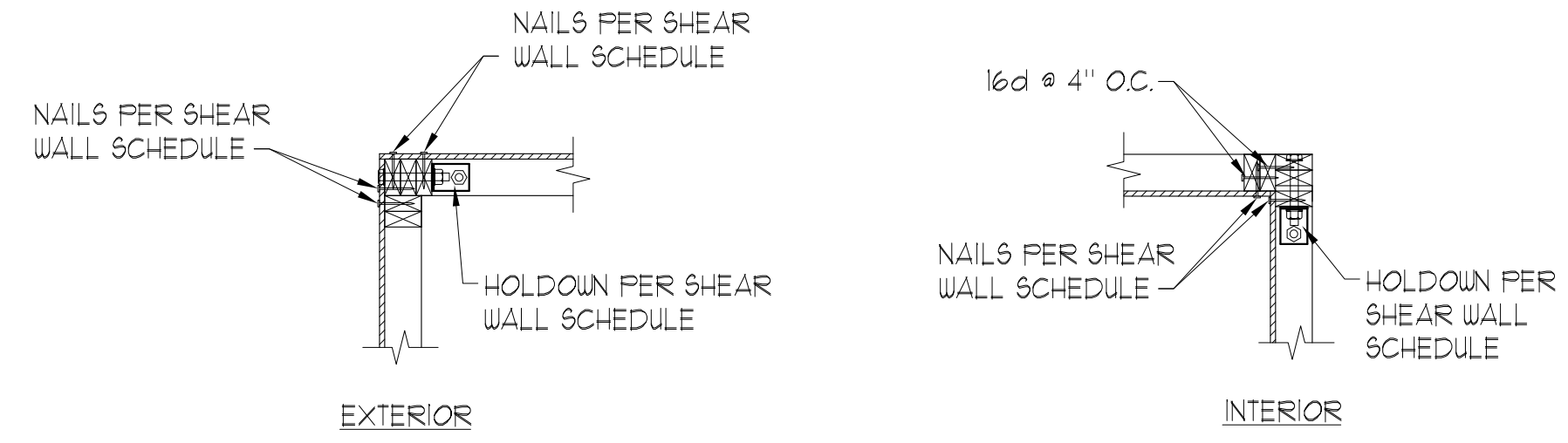
1 ROOF SHEATHING LAYOUT  
SCALE N. T. S.



4 STRAP OVER FRAMING  
SCALE N. T. S.



5 TYP TRANSOM DETAIL



2 TYP. HOLDDOWN ARRANGEMENTS AT CORNER  
SCALE 3/4" = 1'-0"

ISSUE HISTORY

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REVISION HISTORY

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10244 East Colonial Drive, Suite 202  
Orlando, Florida 32817 - 407-677-5565 Fax 407-730-2999  
Certificate of Authorization No. 25873

Mingcheng Xie P.E.  
Florida No. 51161

Drawn	CW
Checked	CW
Approved	MX
Date	09/10/19
Project #	5592

THE ROBERT

FT. MYERS, FL

GENERAL NOTES AND SCHEDULES

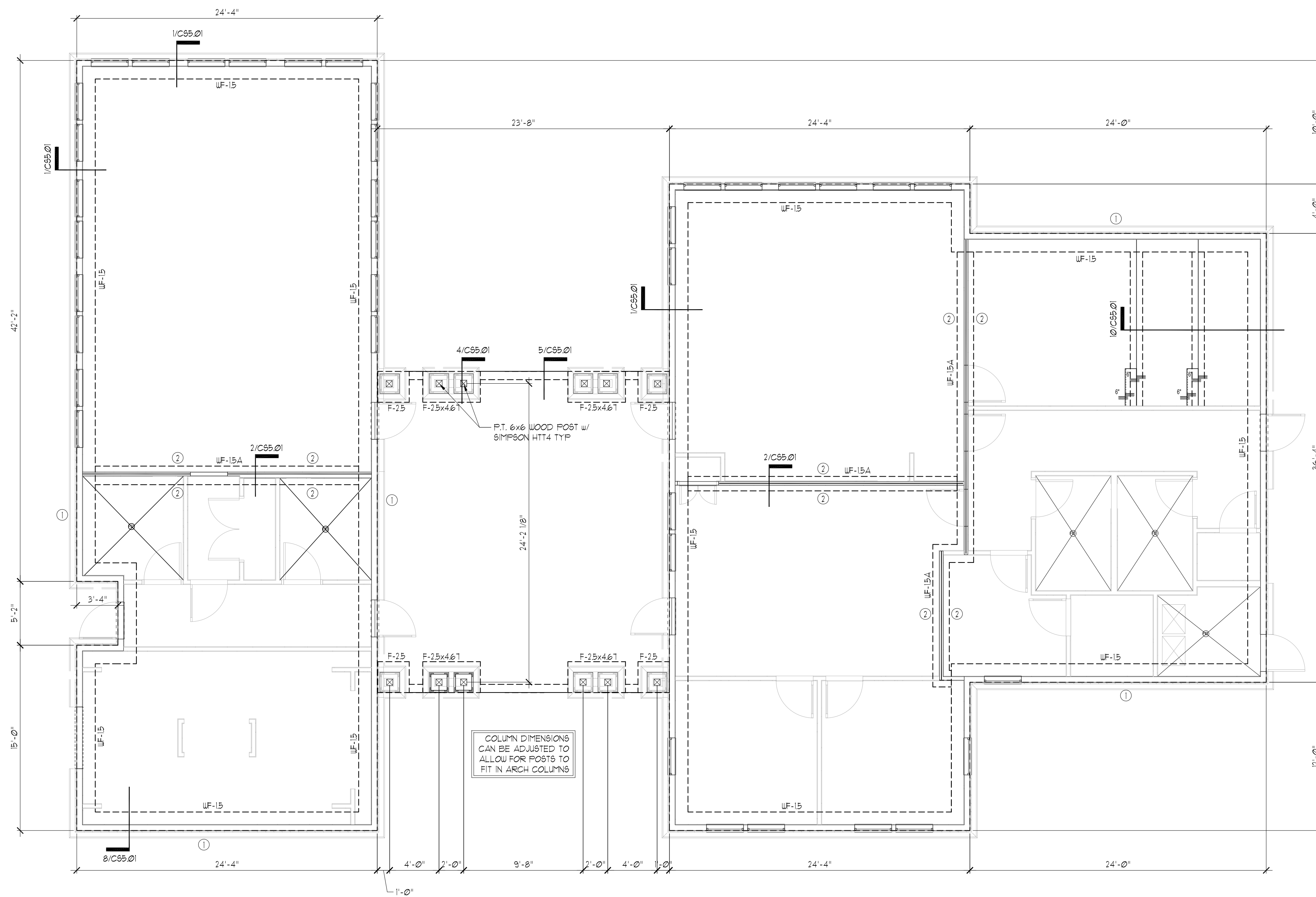
CS1.02

12.06.19

**PLAN NOTES:**

- 1 SEE GENERAL NOTES ON SHEET CS1.01.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 4" (TOTAL) CONCRETE SLAB REINFORCED WITH 6x6- W4xW4 WUF OVER 8 MIL VAPOR BARRIER ON COMPACTED SUBGRADE. COORDINATE ALL SLAB SLOPES, DEPRESSIONS AND LIMITS THERE OF WITH ARCH'L DRAWINGS (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L AND / OR CIVIL DRAWINGS)
- 4 PRIOR TO CONCRETE PLACEMENT PROVIDE TERMITTE SOIL TREATMENT WITH ONE YEAR WARRANTY AND FOUR ANNUAL INSPECTIONS AND RENEWALS. SEE ARCHITECTURAL SPECIFICATIONS.
- 5 ○ INDICATES WOOD STUD SHEAR WALL TYPE, AND SHADING INDICATES EXTENT OF SHEAR WALL. SEE THE SHEAR WALL SCHEDULE ON SHEET S1.01 FOR SHEAR WALL INFORMATION.
- 6 THE MAX. SPACING OF CONTROL JOINT FOR ENCLOSURE SPACE SHALL BE 20'-0" O.C. AND FOR OPEN SPACE SHALL BE 8'-0" O.C.
- 7 SEE ARCH'L DRAWINGS FOR LOCATIONS / LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES.
- 8 COORDINATE ALL SLAB (TOPPING) SLOPES AND DEPRESSIONS WITH ARCH'L DRAWINGS. (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE ARCH'L DRAWINGS)
- 9 SEE MECHANICAL DRAWINGS FOR LOCATION (ON PLANK) OF MECHANICAL UNITS, H.C. MANUFACTURER / SUPPLIER TO DESIGN FOR UNIT WEIGHT. AS REQUIRED VERIFY WEIGHTS WITH MECHANICAL DRAWINGS.
- 10 USE HURRI-BOLT SYSTEM. SEE TYPICAL DETAIL 1/C6.03 FOR CONNECTION OF FOOTING TO WOOD STUD, TRUSS TO STUD WALL AND POST UNO.

FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
	WIDTH x LENGTH x DEPTH	
UF-15	1'-6" CONT x 26"	(2)-#5 CONT. #4's @ 48" O.C. TRANSVERSE
UF-15A	1'-6" CONT x 2"	(2)-#5's CONT. #4's @ 48" O.C. TRANSVERSE
F-2.5	2'-6" x 2'-6" x 26"	(3)-#5's EA WAY
F-3.0A	3'-0" x 3'-0" x 26"	(3)-#5's EA WAY
F-2.5x4.61	2'-6" x 4'-8" x 26"	(3)-#5's EA WAY



**FOUNDATION PLAN**  
Scale 3/16" = 1'-0"

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REVISION HISTORY		
No.	Date	Description

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2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595  
www.fuglebergkoch.com AA26002103

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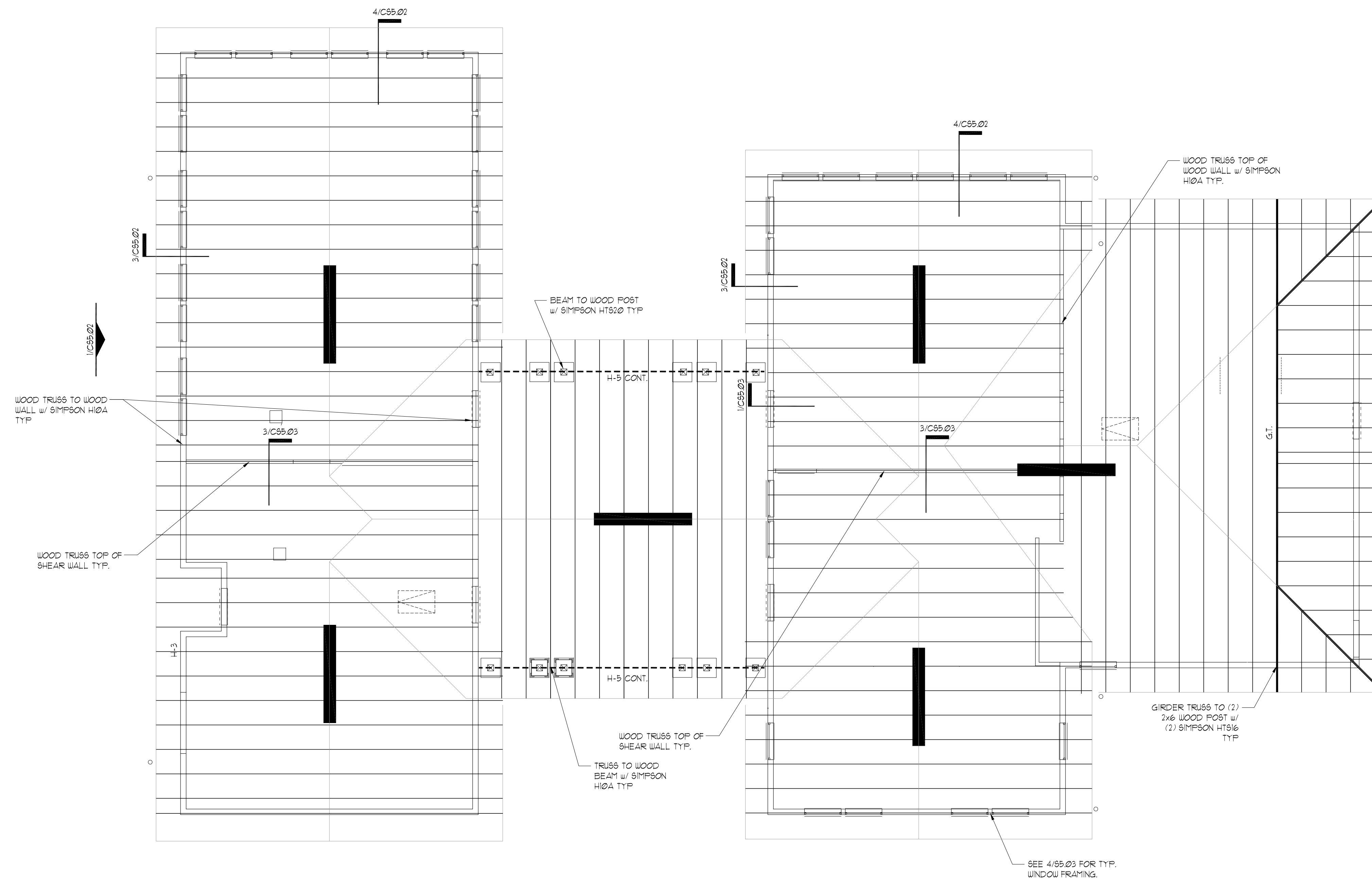
Mingsheng Xia P.E.  
Florida No. 51161

<b>THE ROBERT</b>	Drawn: CW
	Checked: CW
FT. MYERS, FL	Approved: MX
	Date: 09/10/19
<b>FOUNDATION PLAN</b>	Project #: 5592
<b>CS 2.01</b>	

12/26/19 12:06:59

PLAN NOTES:

- 1 SEE GENERAL NOTES ON SHEET CS1.01.
- 2 DO NOT SCALE DRAWINGS. SEE ARCH'L. DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH ARCH'L. DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 SEE ARCH'L. DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES (SHEET CS1.01) FOR ADDITIONAL WALL FRAMING INFORMATION.
- 4 PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS (COORD. EXACT SIZE, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON CS1.01 SHEET.
- 5 PRE-ENGINEERED WOOD TRUSSES & MISCELLANEOUS WOOD FRAMING SPACED AT 24" O.C. (MAX).
- 6 O.B. INDICATES OVER-BUILT PRE-ENG. TRUSS.
- 7 G.T. INDICATES GIRDER TRUSS.
- 8 THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS, SEE SIMPSON CATALOG.
- 9 SEE THE GENERAL NOTES FOR ROOF SHEATHING INFORMATION, AND FOR WOOD TRUSS TYPES.
- 10 TRUSS ENGINEER TO DESIGN TRUSS TO INCORPORATE LOADS FROM MECHANICAL UNITS.
- 11 PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, F.G.T., G.T. TO THE FTG. UNO.



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

ISSUE HISTORY

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FUGLEBERG KOCH  
PLLC

2555 Temple Trail, Winter Park, FL 32789 (407) 624-0395  
www.fuglebergkoch.com AL2002103

CONSULTANT

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Orlando, Florida 32817 - 407-677-5565 Fax 407-730-2999  
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Wintersong 306 P.C.  
Florida No. 51161

THE ROBERT

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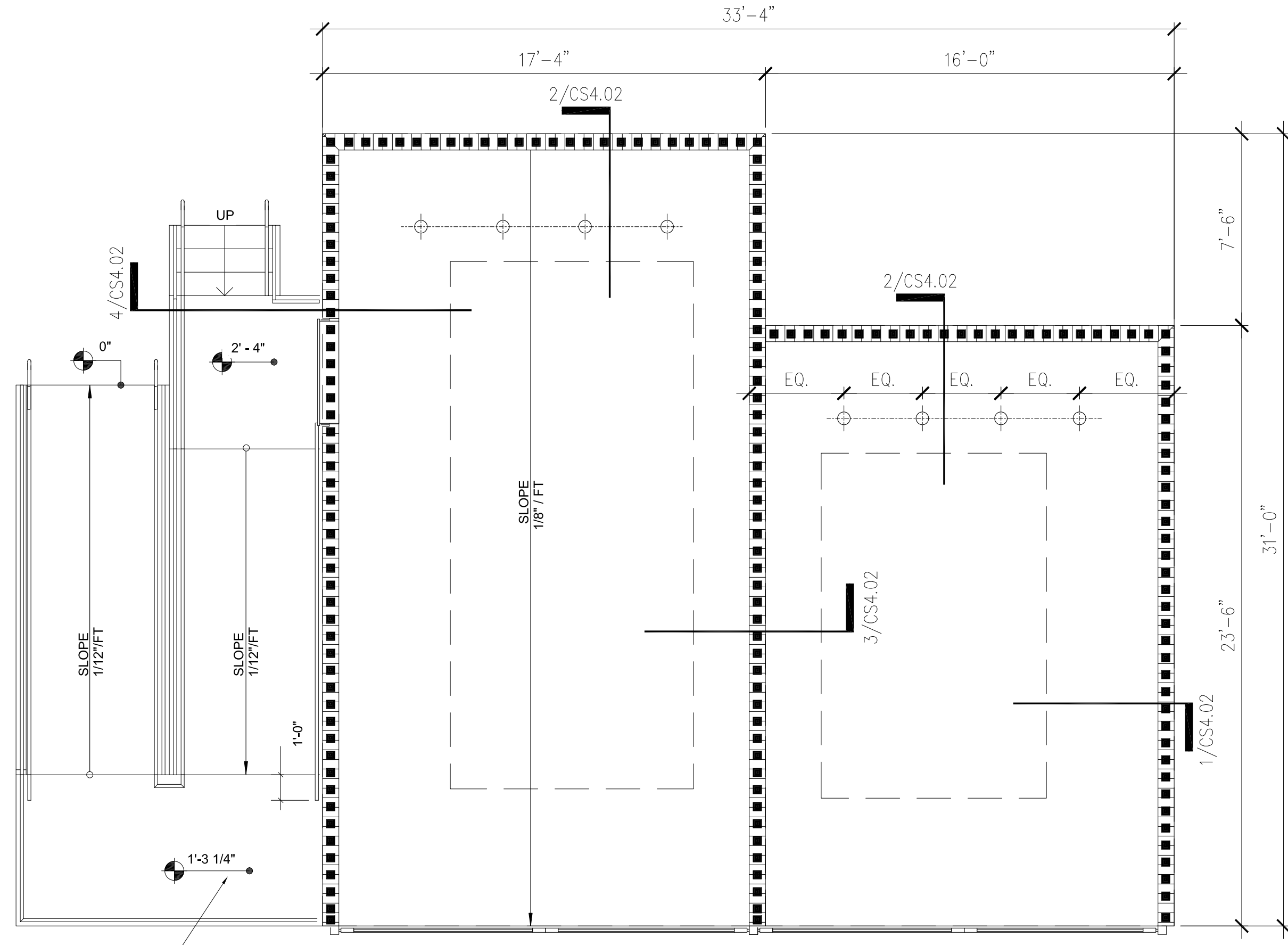
ROOF FRAMING PLAN

CS3.01

Drawn	CW
Checked	CW
Approved	MX
Date	09/10/19
Project	5592

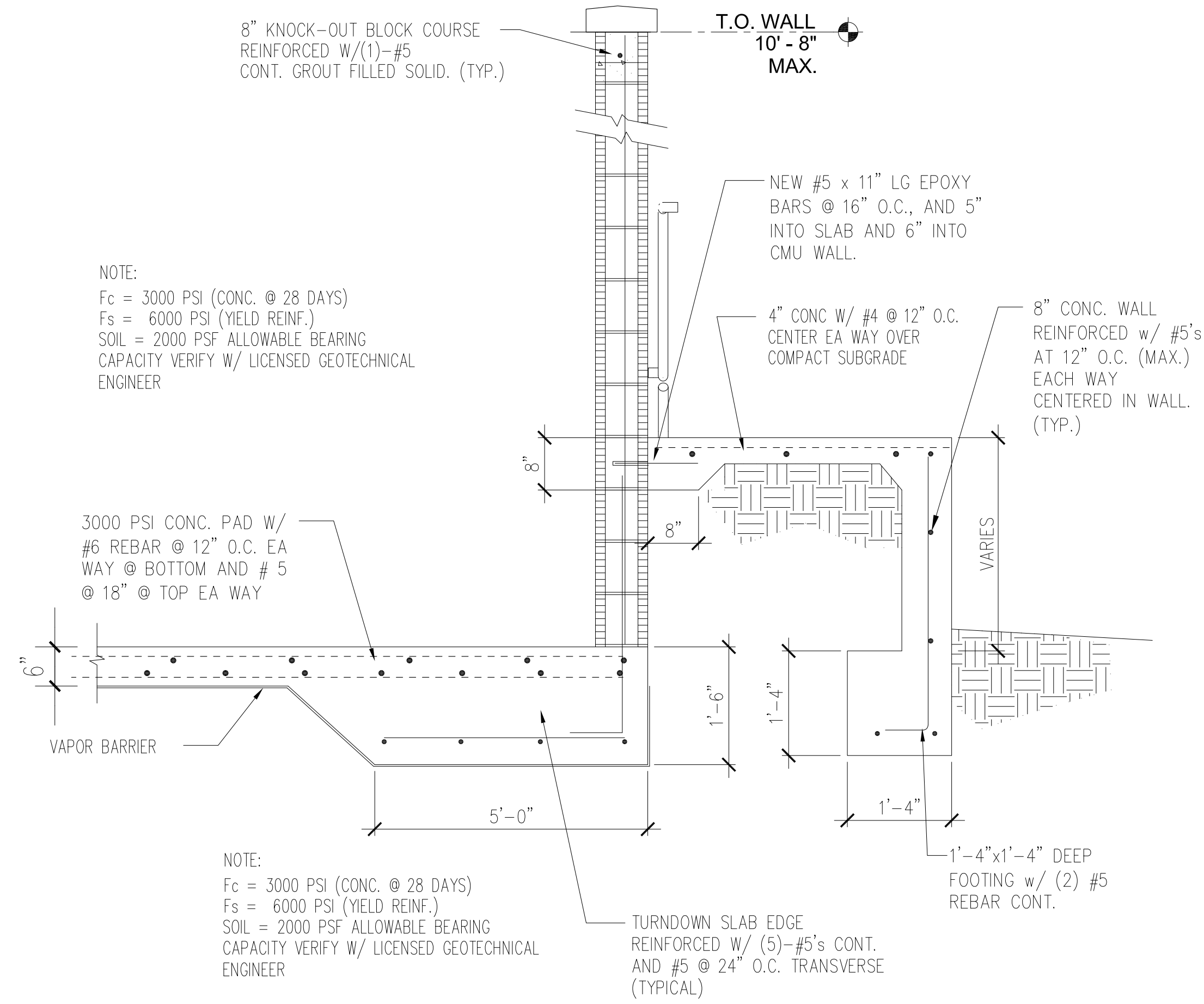
**PLAN NOTES**

- 1 SEE GENERAL NOTES ON SHEET CS1.01.
- 2 DO NOT SCALE DRAWINGS. SEE CIVIL DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS WITH CIVIL DRAWINGS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE CIVIL ENGINEER IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- 3 6" (TOTAL) CONCRETE SLAB (REINFORCED AS PER DETAIL 2/CS4.02) ON COMPACTED SUBGRADE. COORDINATE ALL SLAB SLOPES, DEPRESSIONS AND LIMITS THERE OF WITH CIVIL DRAWINGS (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE CIVIL DRAWINGS)
- 4 INDICATES 8" MASONRY BEARING WALLS REINFORCED WITH (1)-#6 VERTICAL IN CONCRETE SOLID FILLED CELLS AT ALL CORNERS, ADJACENT MASONRY OPENINGS AND 8" O.C. (MAX).
- 5 THE MAX. SPACING OF CONTROL JOINT FOR ENCLOSURE SPACE SHALL BE 20'-0" O.C., AND FOR OPEN SPACE SHALL BE 8'-0" O.C.
- 6 SEE CIVIL DRAWINGS FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES FOR ADDITIONAL WALL FRAMING INFORMATION.
- 7 COORDINATE ALL SLAB (TOPPING) SLOPES AND DEPRESSIONS WITH CIVIL DRAWINGS. (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE CIVIL DRAWINGS)
- 8 COORDINATE ALL ELECTRICAL, ELECTRICAL KEY SWITCH AND PLUMBING REQUIREMENTS WITH CIVIL PLANS.
- 9 COORDINATE PLANS AND ELEVATIONS WITH OWNER SELECTED EQUIPMENT.
- 10 COMPLY WITH APPLICABLE ACCESSIBILITY CODES, INCLUDING H.C. RAMPS AND HANDRAILS.
- 11 COLORS SELECTED BY OWNER.
- 12 SEE CIVIL DRAWINGS FOR BALANCE OF DESIGN ELEMENTS AND FINISHES TO BE CONSTRUCTED.
- 13 COMPACTOR BASIS OF DESIGN- VERIFY CAPACITY AND SPECIFIC MODEL WITH OWNER, FOR ENCLOSURE COORDINATION.
- 14 COORDINATE OPENING SILL HEIGHT AND PLACEMENT WITH OWNER SELECTED EQUIPMENT. COMPLY WITH APPLICABLE ACCESS AND USER SAFETY REQUIREMENTS AND COORDINATE LAYOUT AND PLACEMENT OF OWNER SELECTED EQUIPMENT WITH MANUFACTURERS DIMENSIONAL AND LOADING CRITERIA.
- 15 PROVIDE STEEL PLATES FOR COMPACTOR WHEELS EMBEDDED IN CONCRETE PER COMPACTOR SPECS.
- 16 GUARDRAIL AND HANDRAIL MUST PASS LOAD TEST
- 17 PROVIDE A 8" WIDE x 8" DEEP CAST-CRETE LINTEL OVER ALL OPENINGS IN THE CMU WALL w/ #5 REBAR CONT.



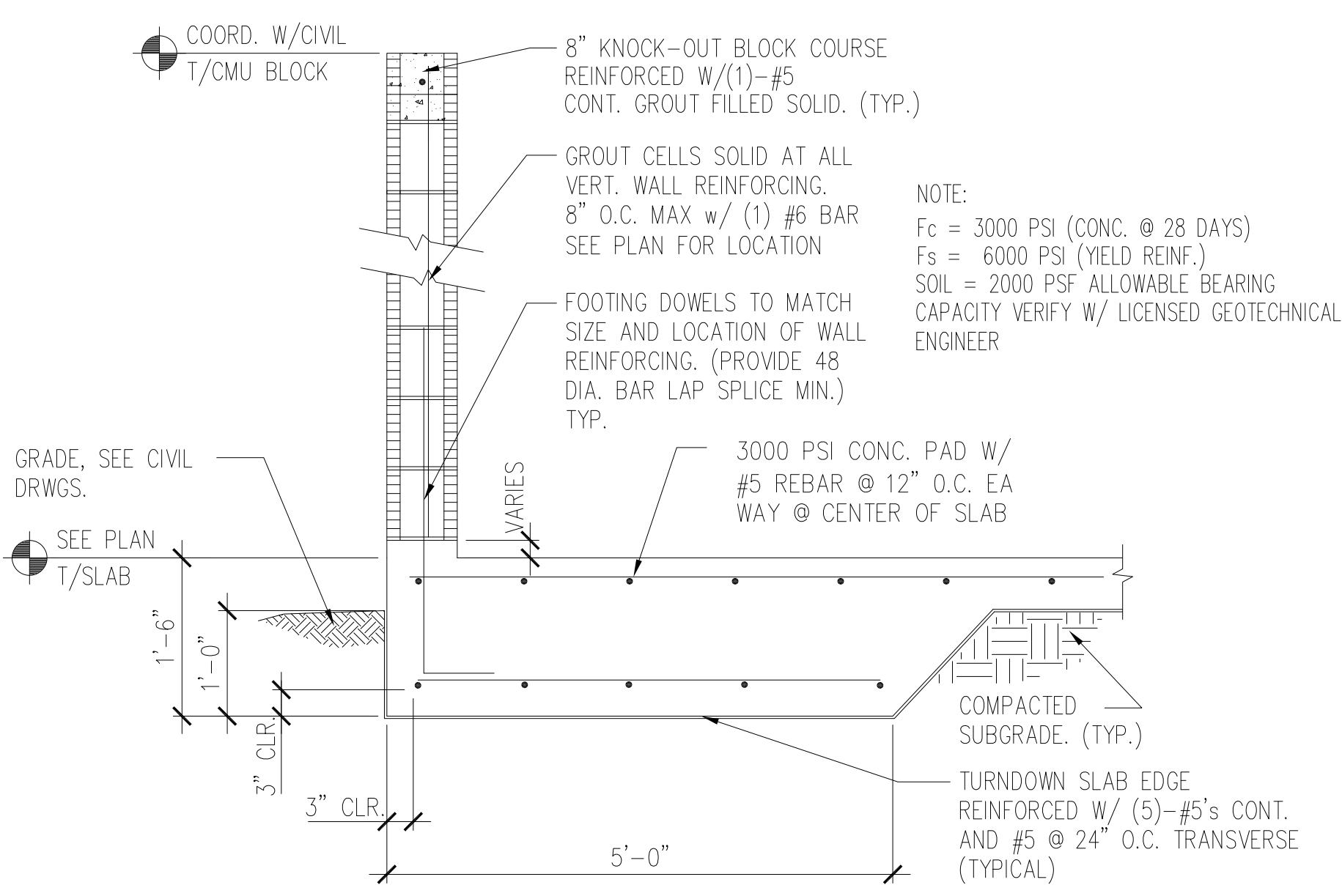
**COMPACTOR ENCLOSURE FOUNDATION PLAN**

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



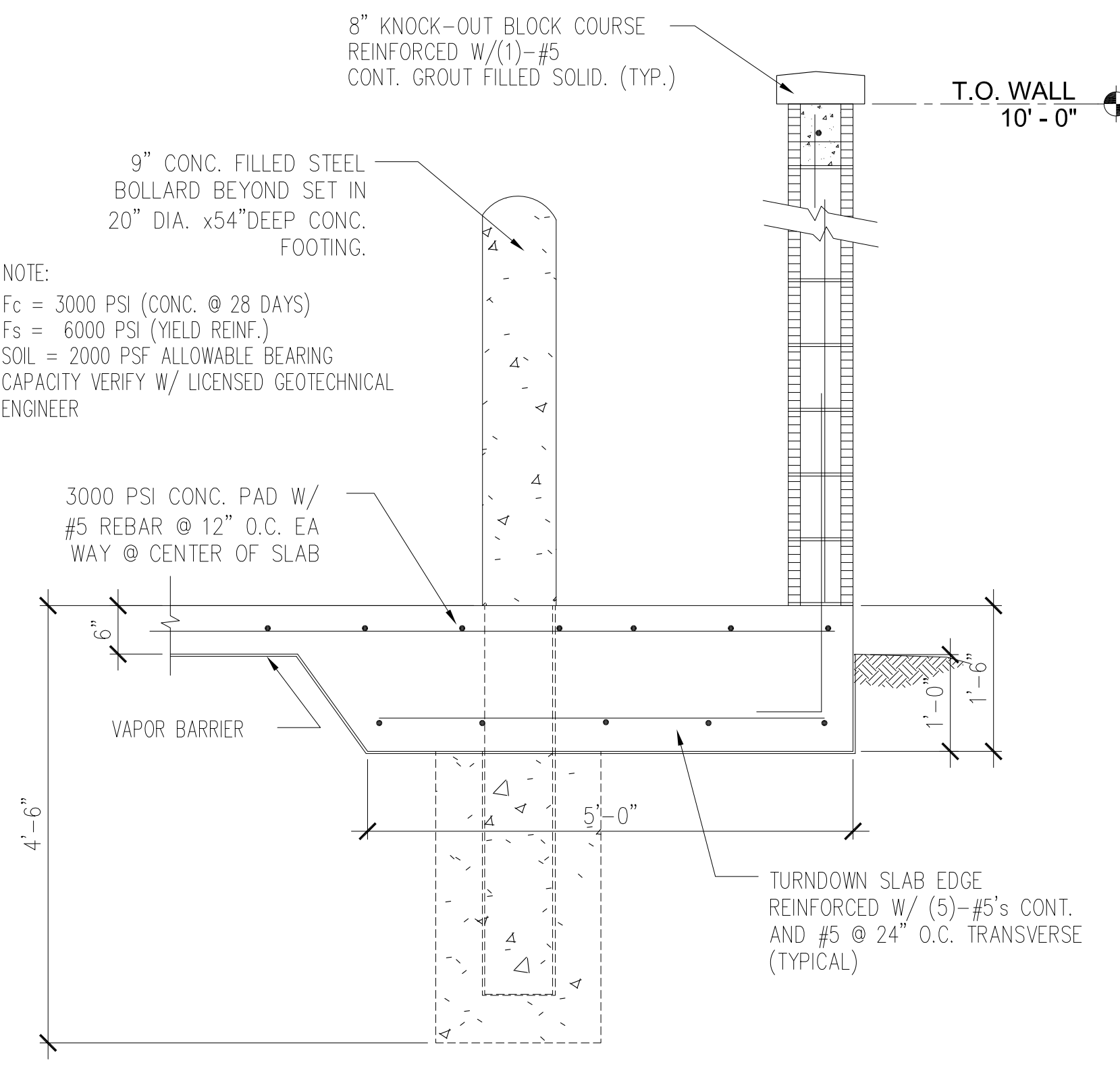
**4 SCREEN WALL @ COMPACTOR**

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



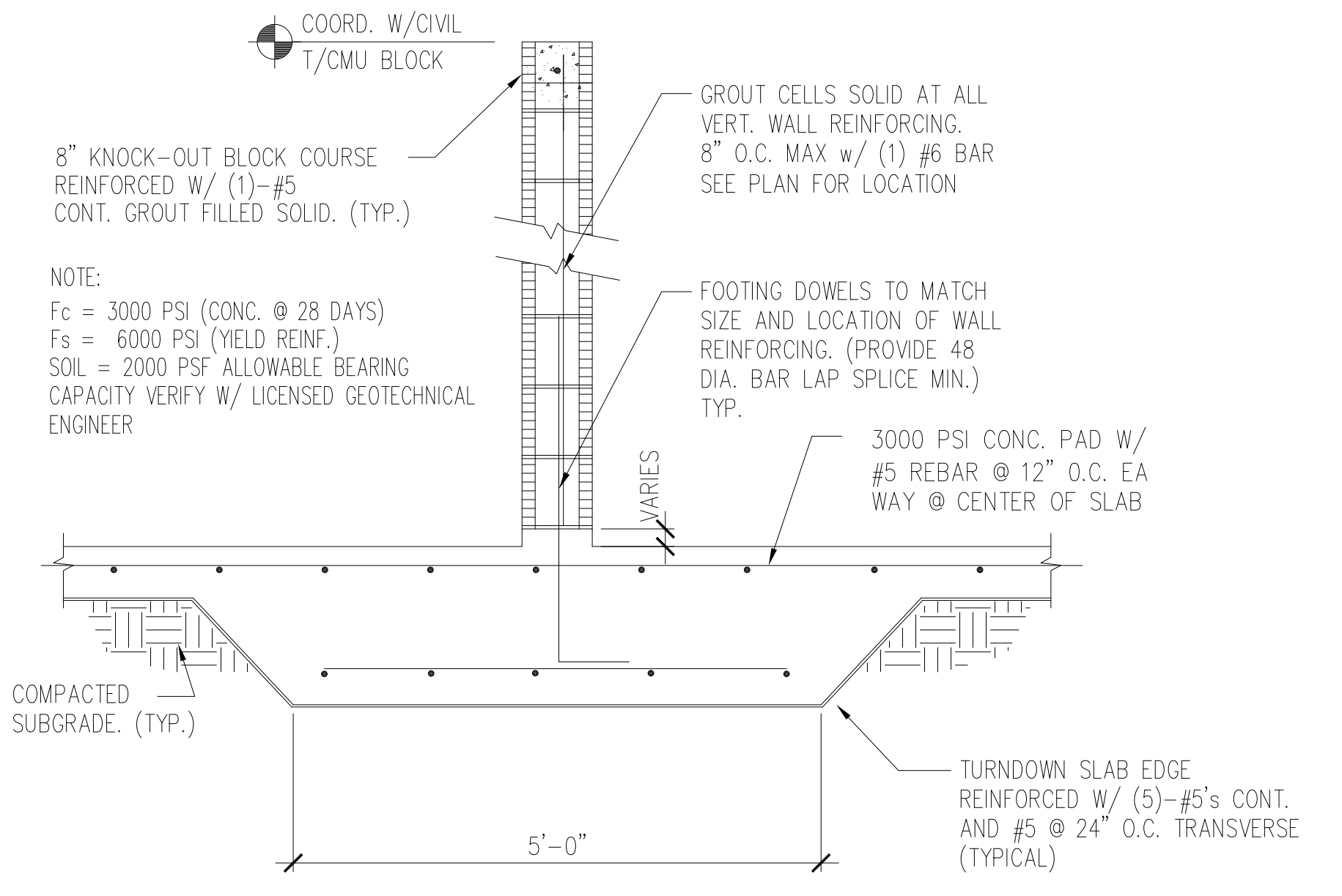
**1 THICKENED SLAB/FOOTING**

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



**2 SECTION**

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



**3 THICKENED SLAB/FOOTING**

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

**ISSUE HISTORY**

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**REVISION HISTORY**

No.	Date	Description

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Misheng Xia P.E.  
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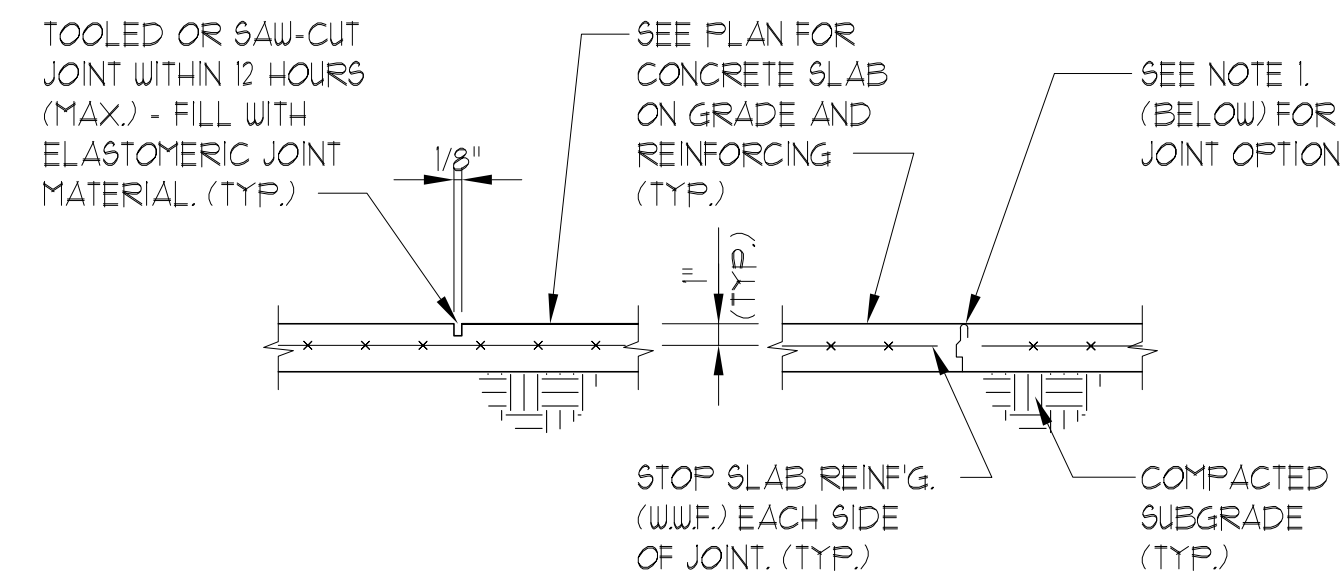
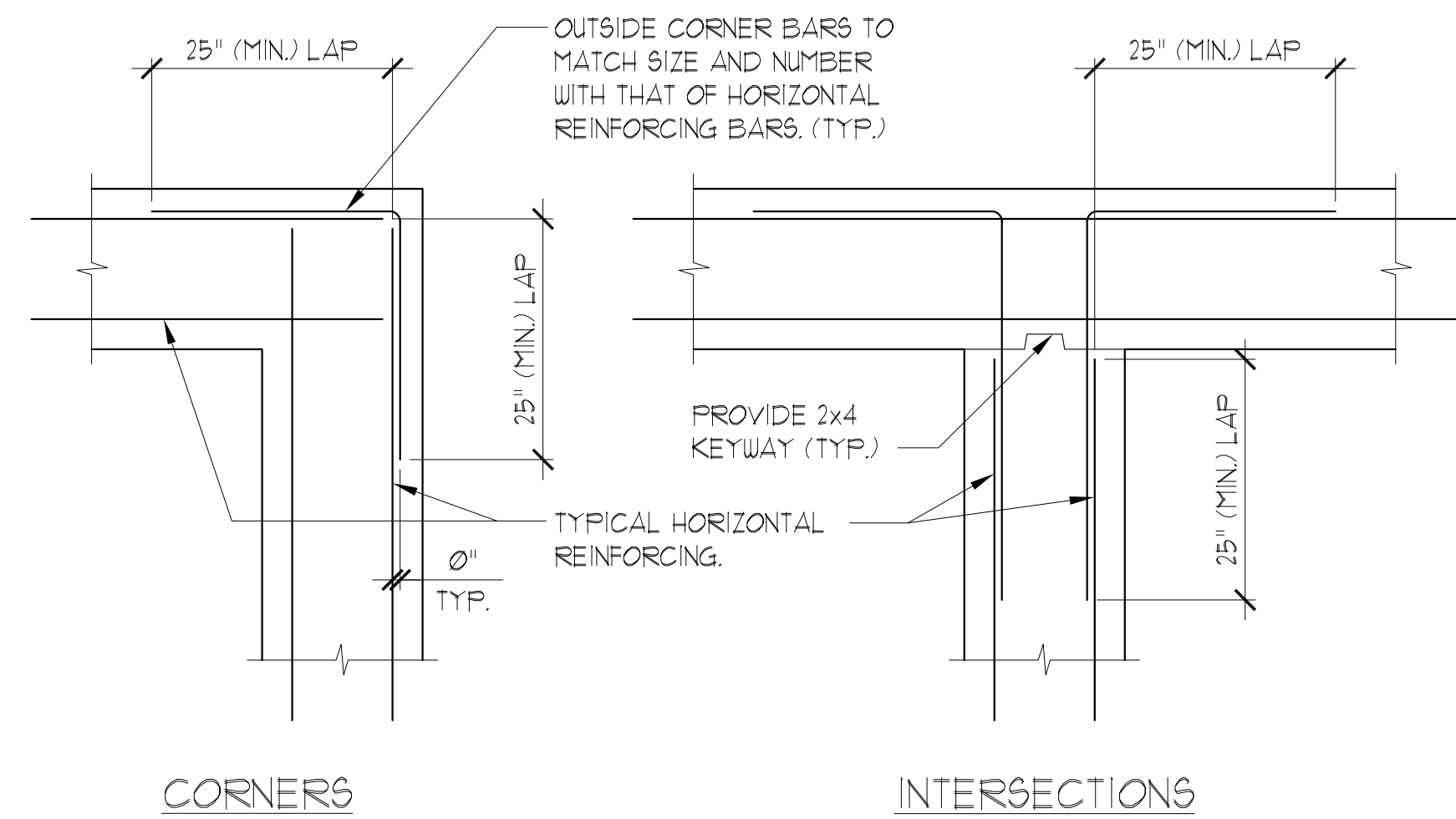
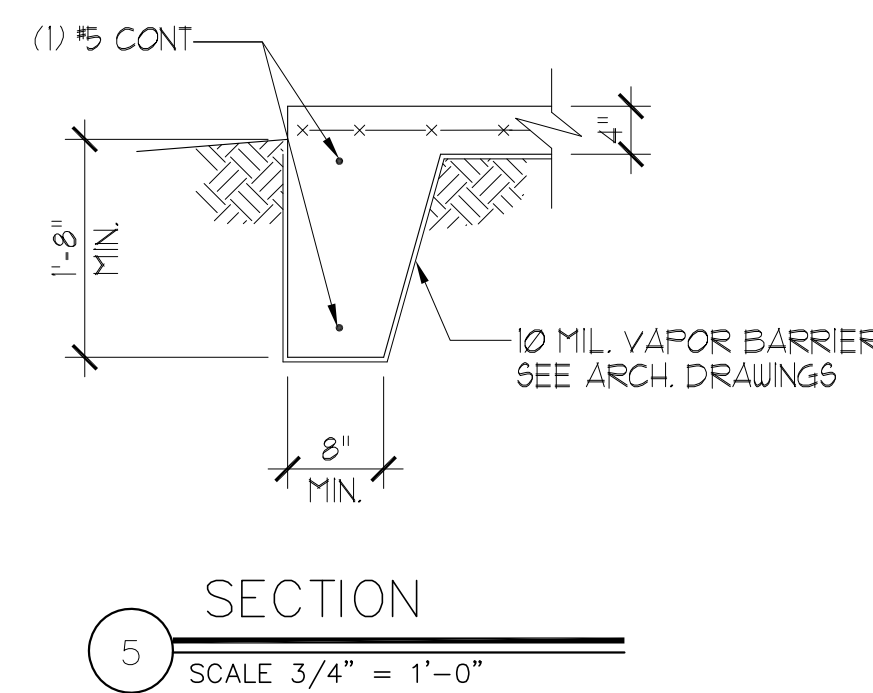
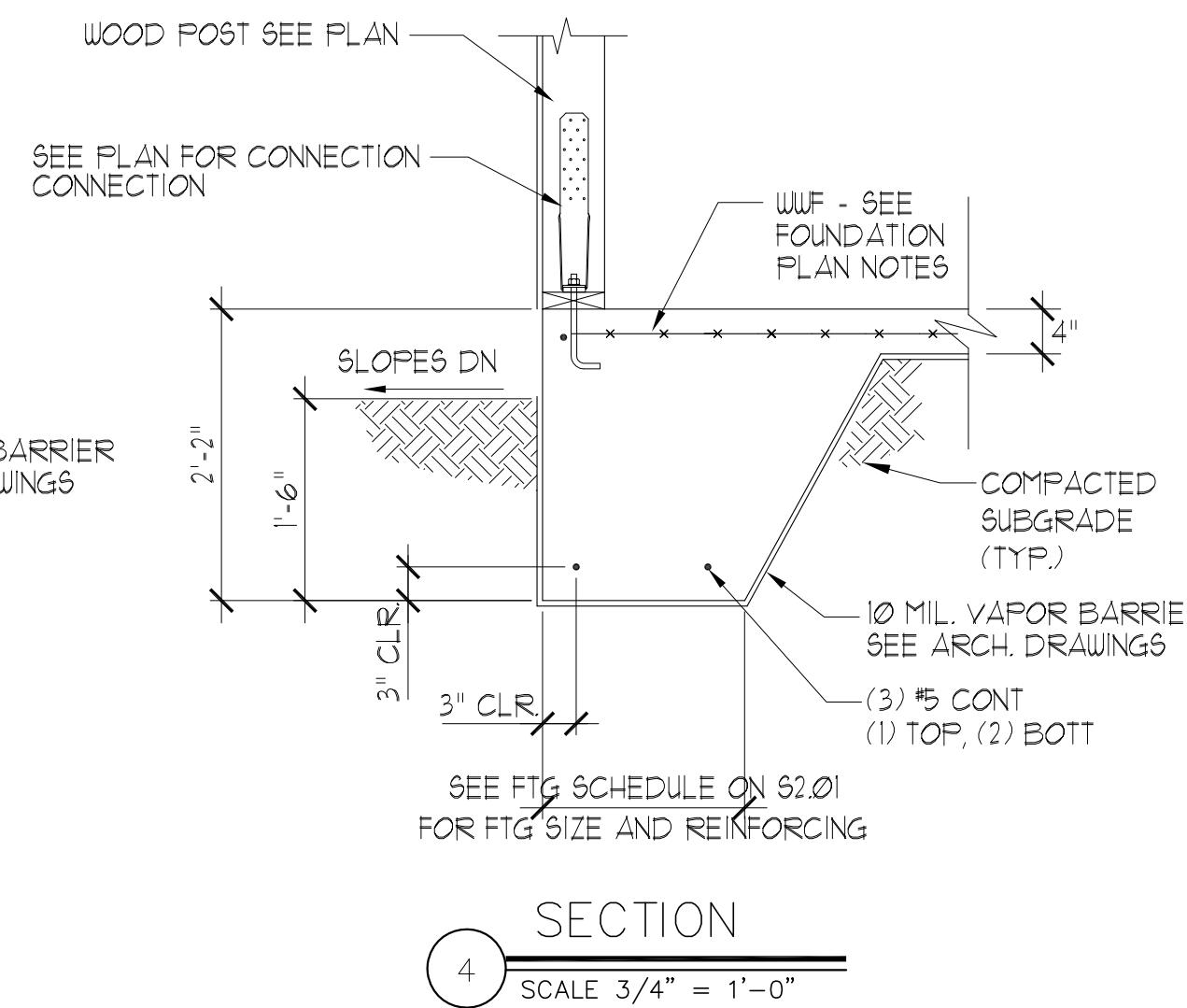
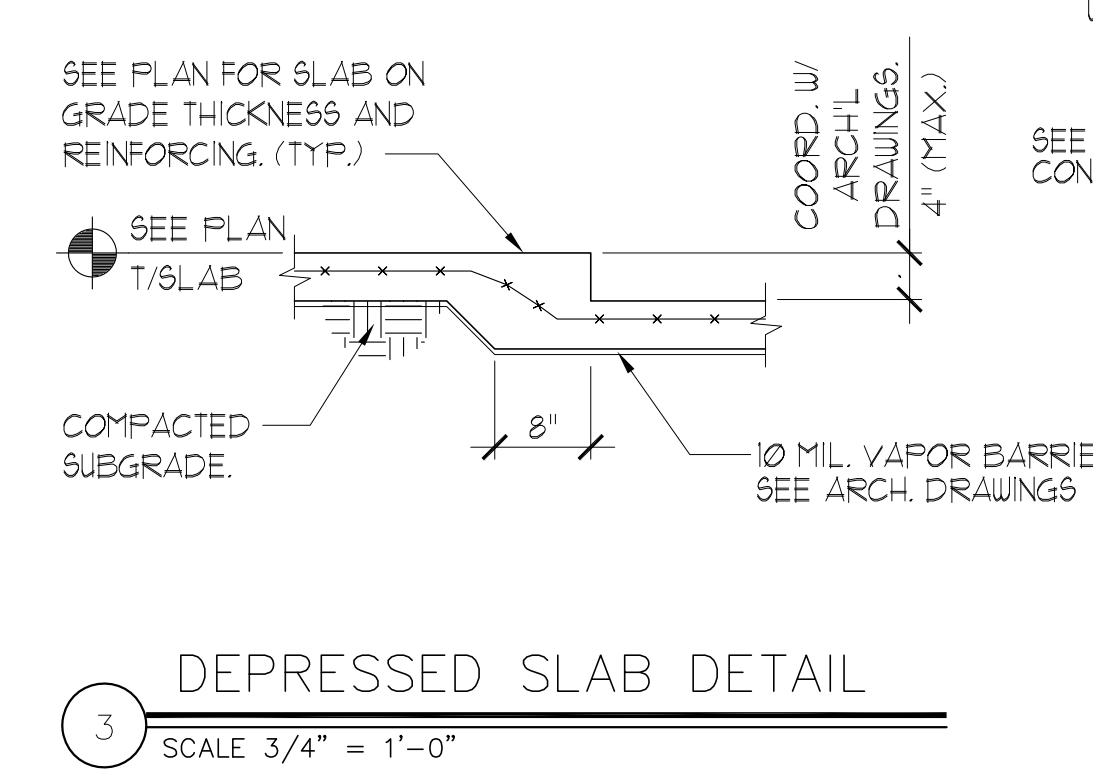
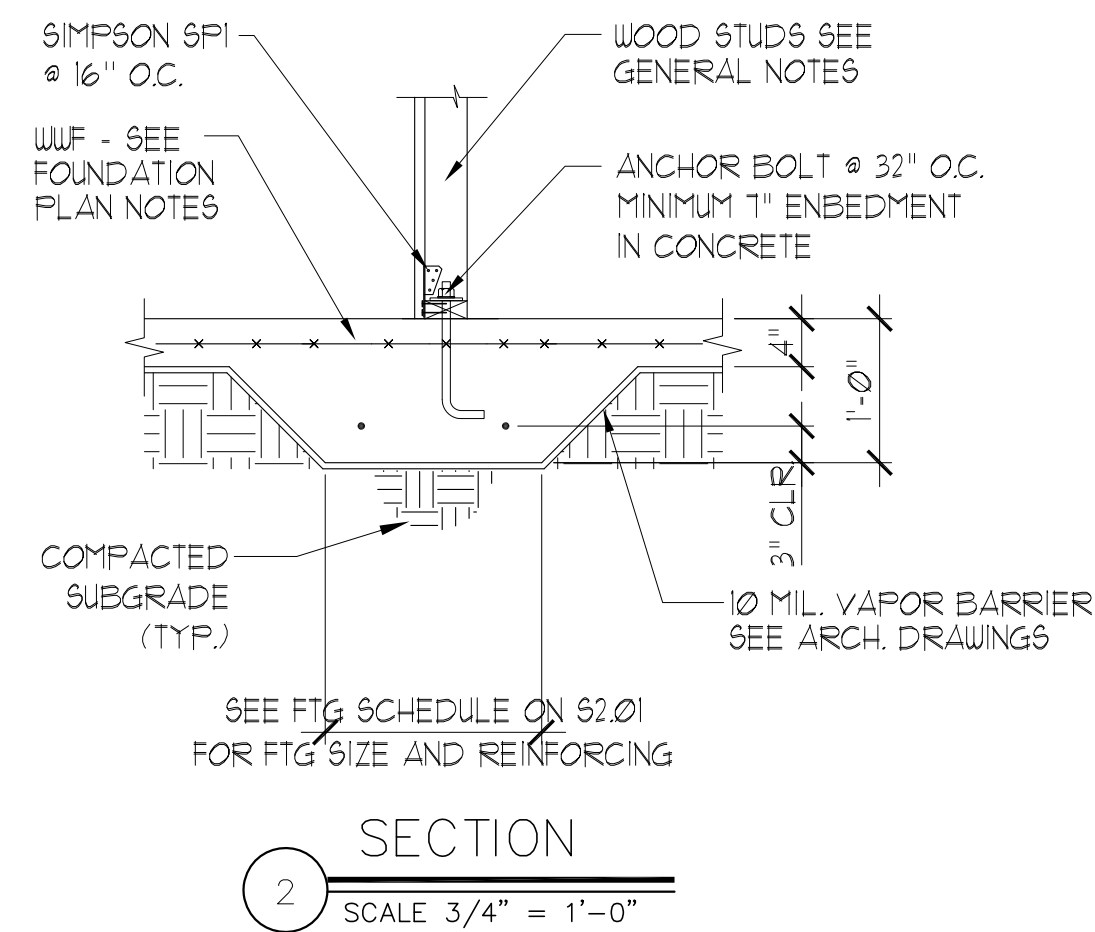
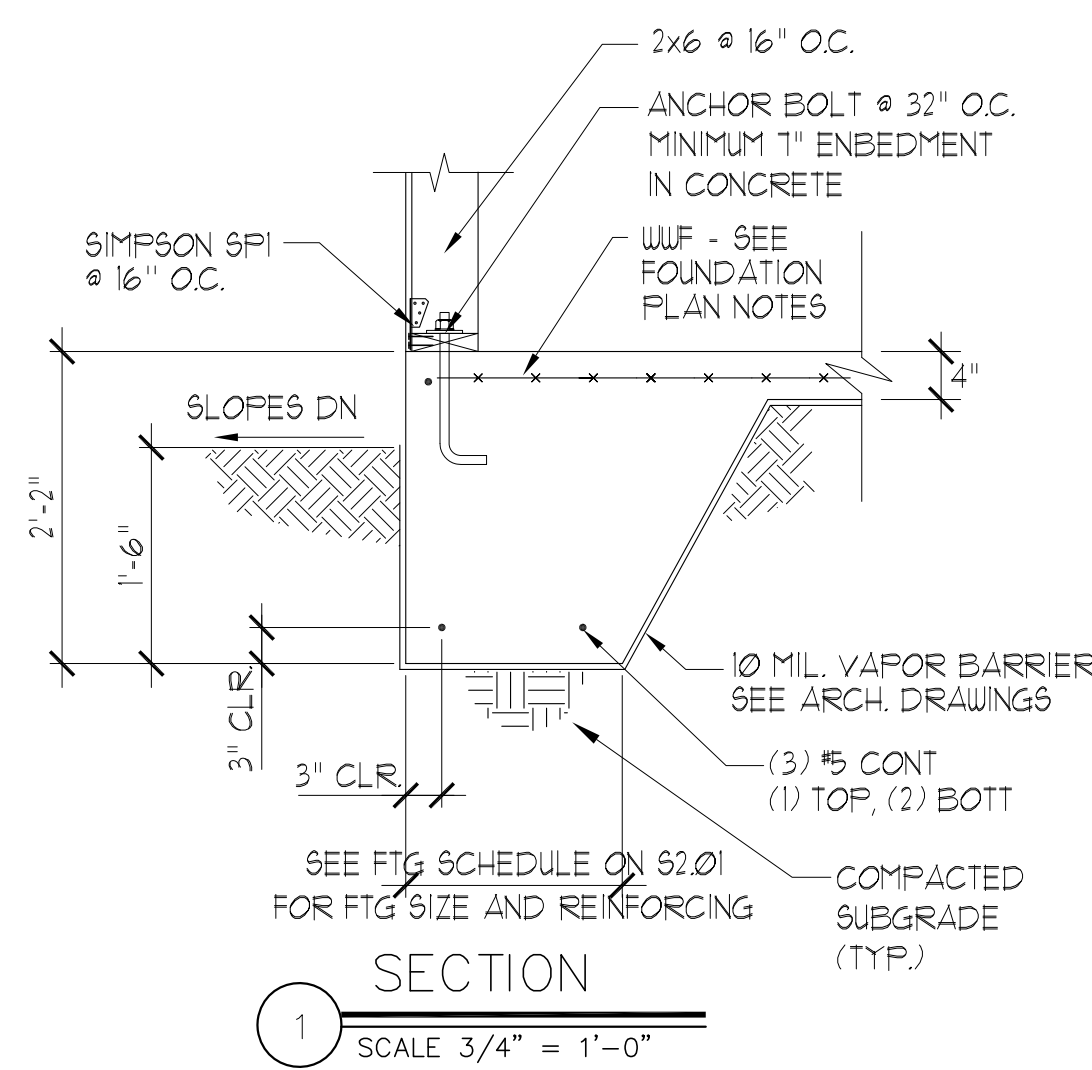
**TRASH ENCLOSURE FOUNDATION PLAN**

**CS4.02**

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Approved	MX
Date	09/10/19
Project #	5552

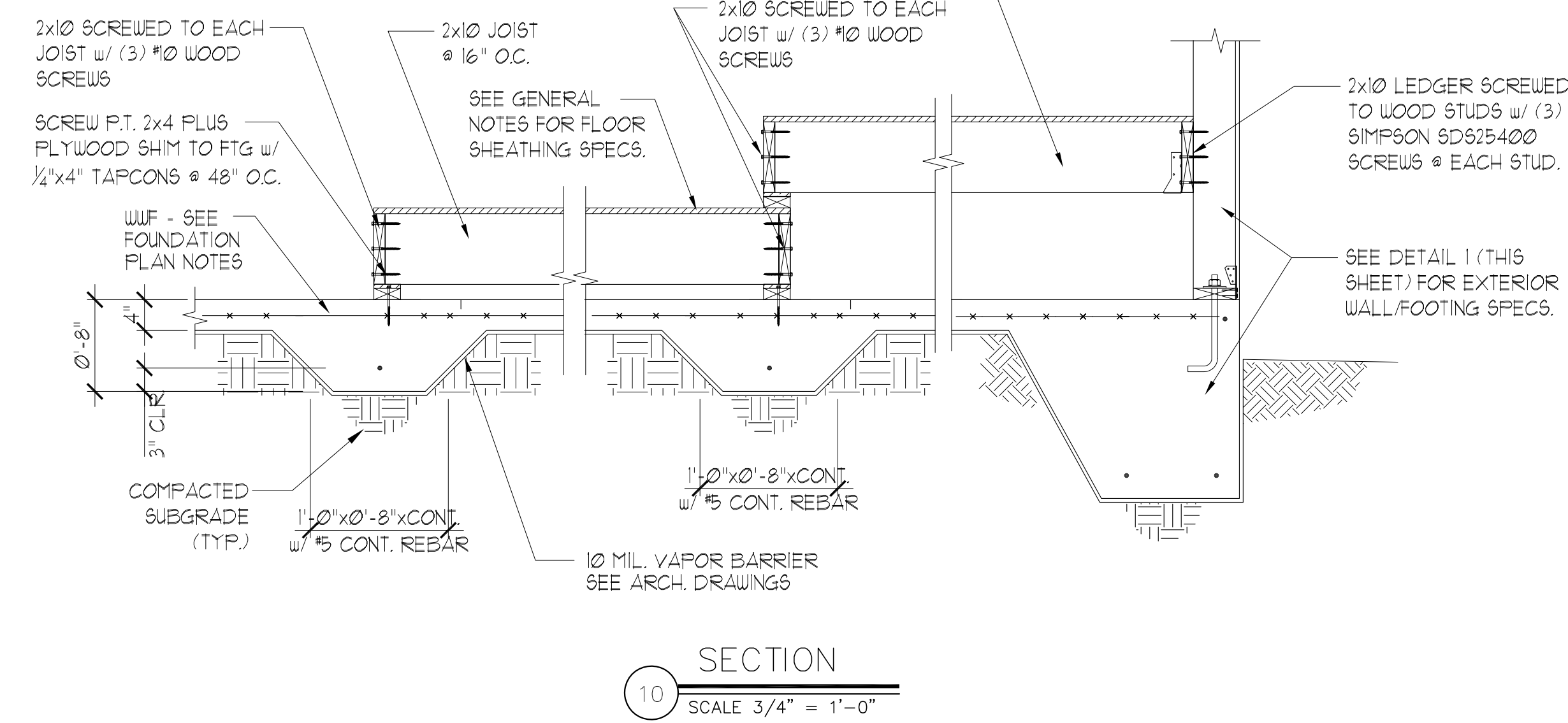
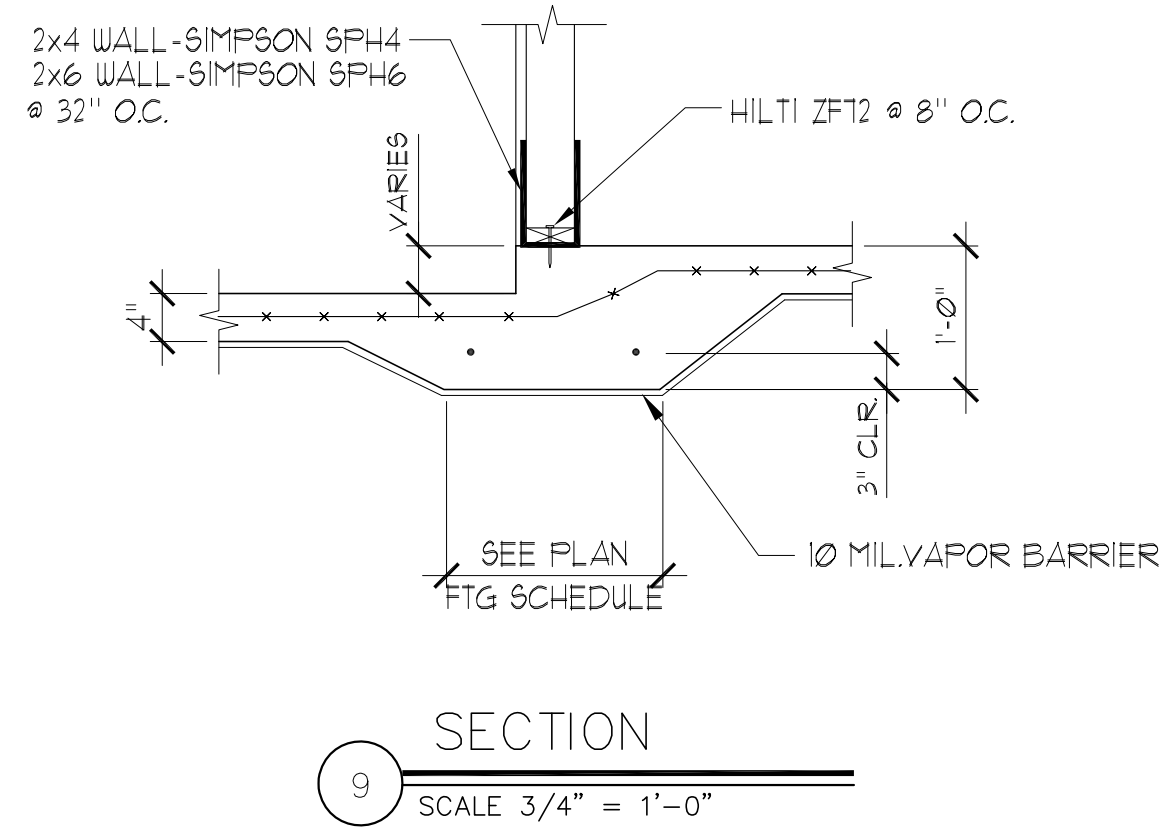
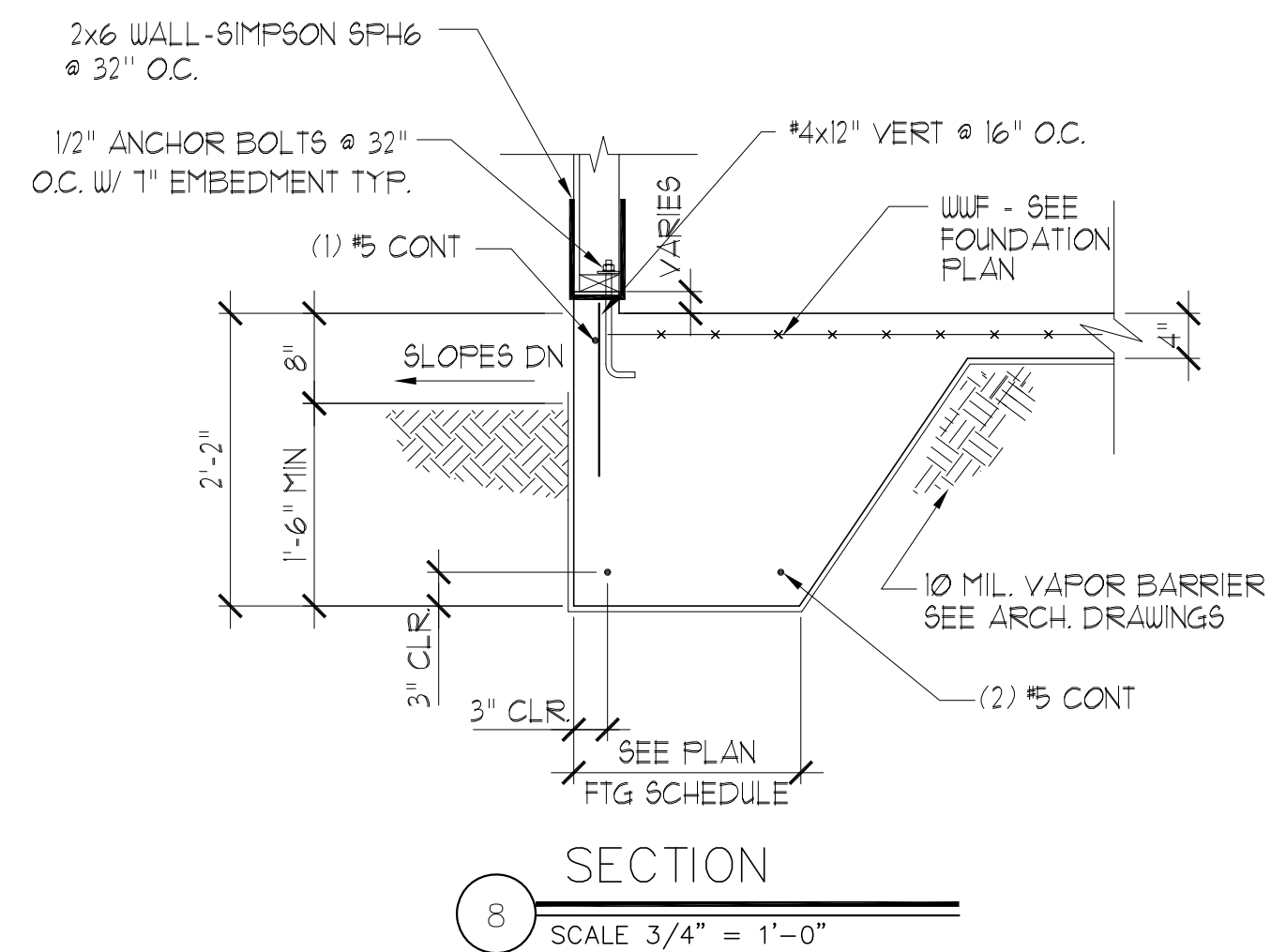
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NOTE:  
1. CONSTRUCTION JOINTS MAY BE USED IN LIEU OF CONTROL JOINTS.  
2. JOINT PLACEMENT REQUIREMENTS:  
FOR ENCLOSED / INTERIOR AREAS, 20'-0" O.C. (MAX.) EACH WAY  
FOR OUTSIDE / EXTERIOR AREAS, 8'-0" O.C. (MAX.) EACH WAY  
WHERE TOP OF SLAB SURFACES ARE TO BE FINISHED WITH TILE -  
GENERAL CONTRACTOR IS TO COORDINATE JOINT LOCATIONS WITH  
THAT OF TILE MORTAR JOINTS.

VERIFY ALL MIN. FOOTING DEPTHS W/ SOIL REPORT REQUIREMENTS.



ISSUE HISTORY		
No.	Date	Description
1	11/22/19	SCHEMATIC DESIGN
2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description

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PLLC  
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CONSULTANT

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Florida No. 51161

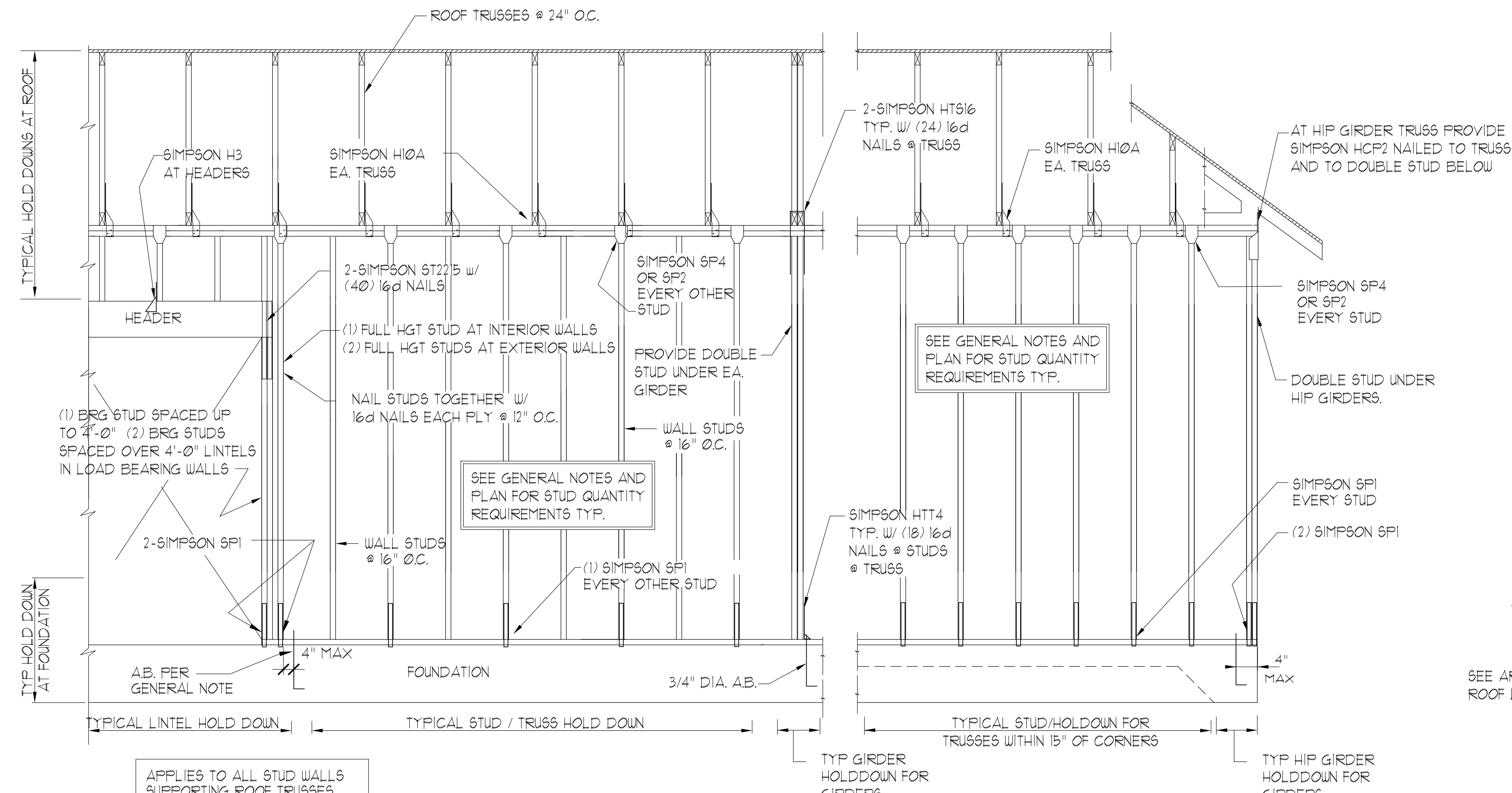
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Project	5592

**THE ROBERT**  
FT. MYERS, FL  
**SECTIONS AND DETAILS**  
CS5.01

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12-06-19

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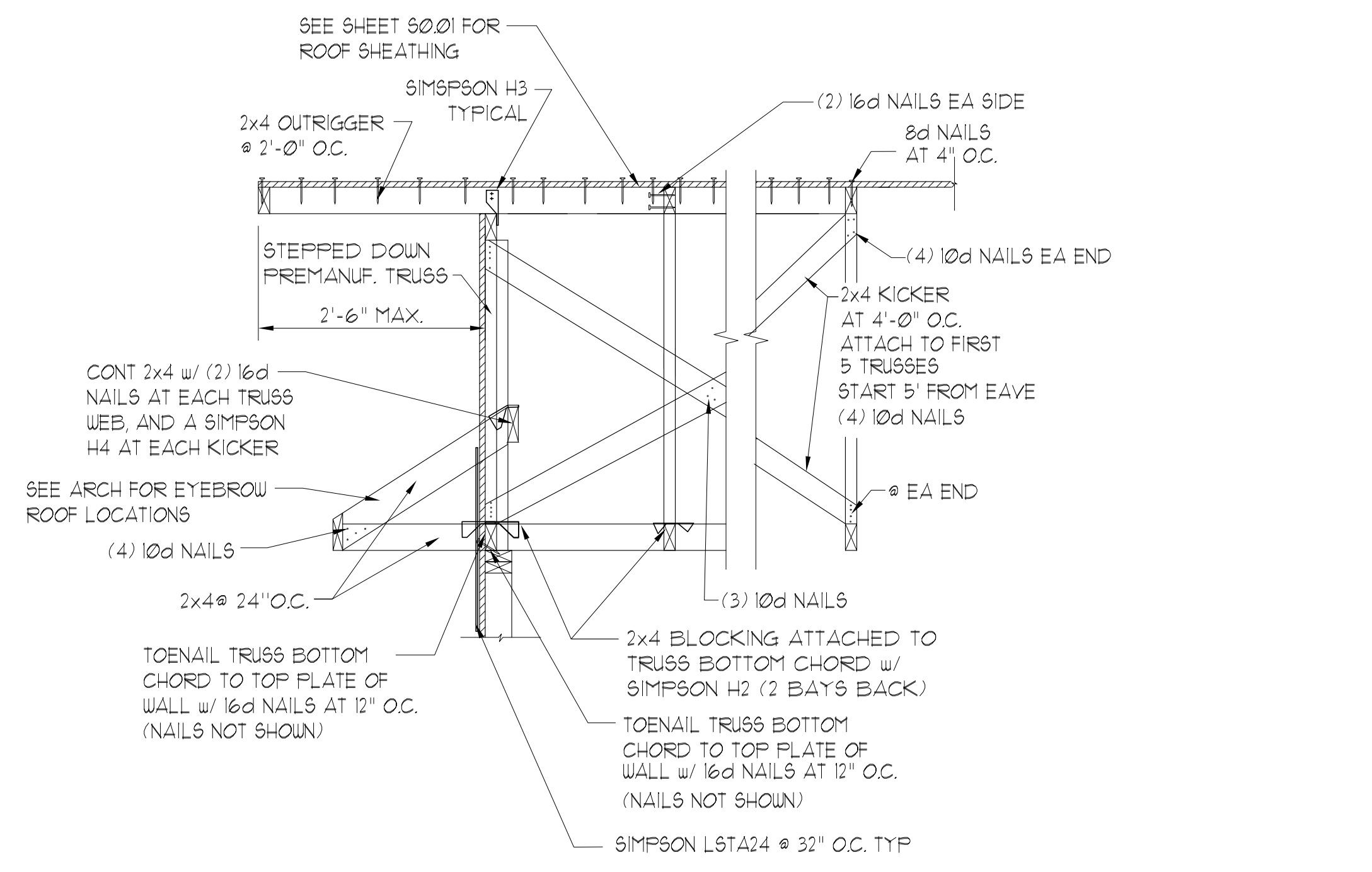


APPLIES TO ALL STUD WALLS SUPPORTING ROOF TRUSSES.  
ANCHORAGE/STRAPPING FOR ENDS OF SHEAR WALLS IS NOT SHOWN SEE 6101 SHEET

1 TYPICAL STUD WALL HOLDDOWN  
SCALE 3/4" = 1'-0"

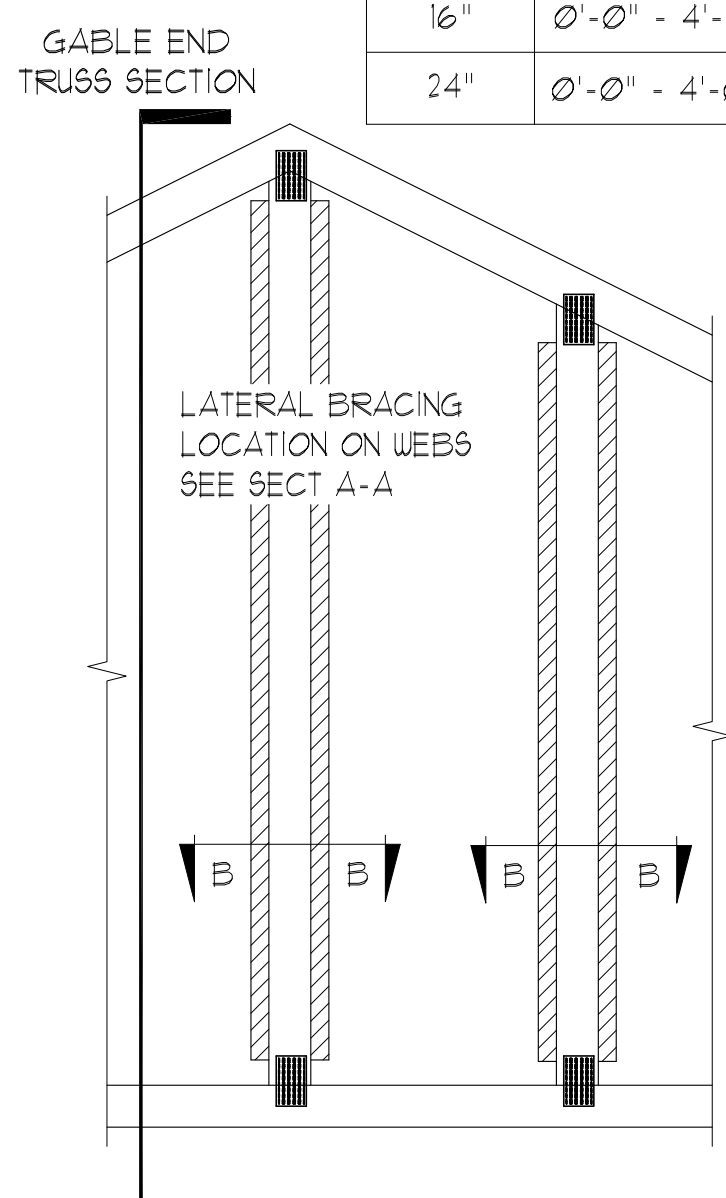


2 BRACE EXTERIOR WALL  
SCALE 3/4" = 1'-0"

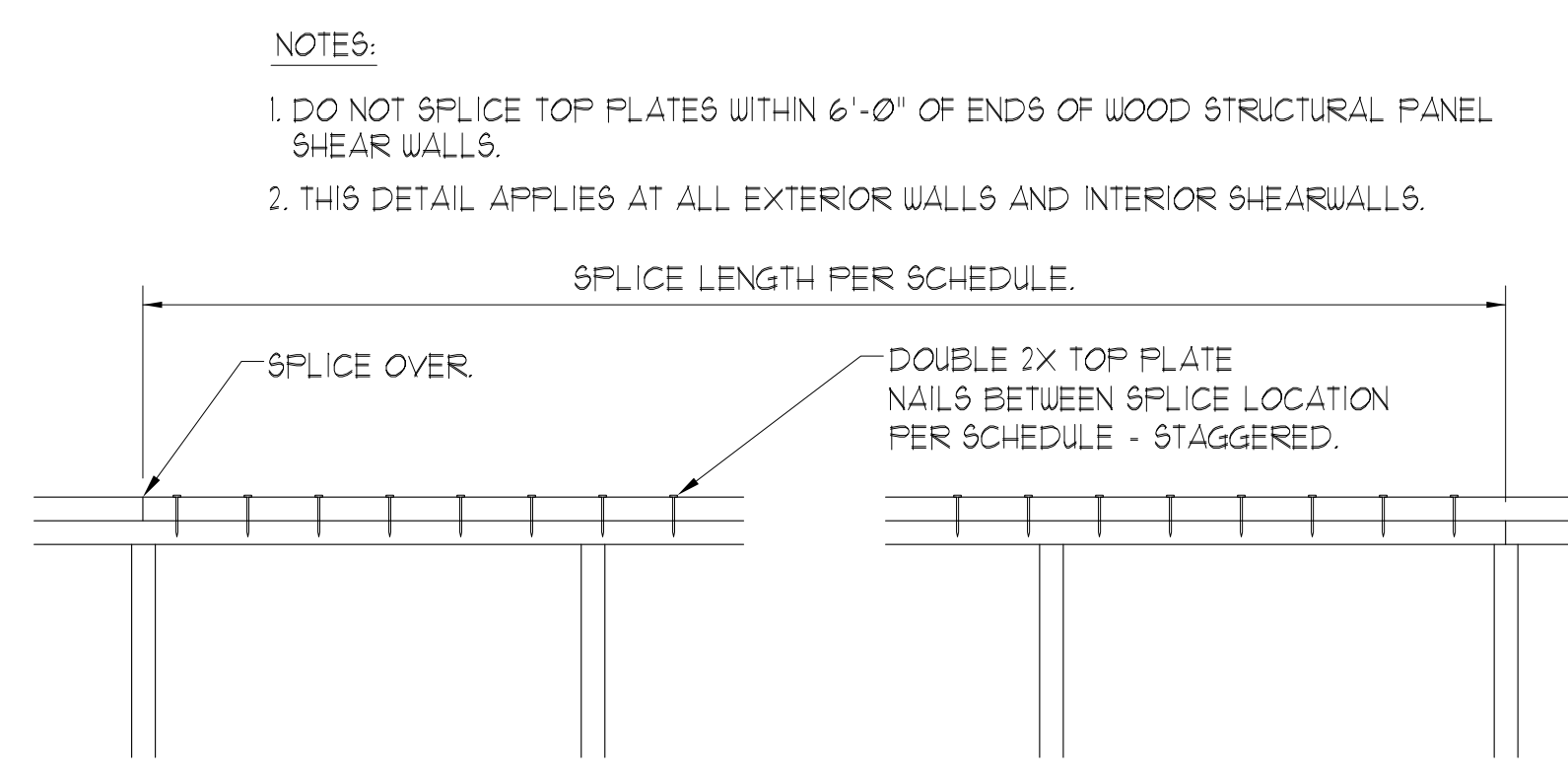


3 TYPICAL SECTION AT GABLE END TRUSSES  
SCALE 3/4" = 1'-0"

STUD SPACING	"L" BRACING REQUIREMENTS			
	NO "L" BRACE	(1) 2x4 "L" BRACE	(2) 2x4 "L" BRACE	(2) 2x6 "L" BRACE
16"	0'-0" - 4'-5"	4'-5" - 8'-0"	8'-0" - 11'-5"	11'-5" - 15'-6"
24"	0'-0" - 4'-0"	4'-0" - 6'-10"	6'-10" - 8'-10"	8'-10" - 12'-8"



5 STANDARD GABLE END BRACING DETAIL  
SCALE 3/4" = 1'-0"



LENGTH OF WALL (BETWEEN CORNERS)	SPLICE LENGTH (MINIMUM)	NAILS ALONG SPLICE LENGTH
OVER 30'	4'-0"	18-16d
OVER 20'	2'-8"	10-16d
OVER 10'	1'-4"	6-16d
LESS THAN 10'	1'-4"	4-16d

6 TYPICAL TOP PLATE SPLICE  
SCALE 3/4" = 1'-0"

MINIMUM WALL AND HEADER STUD REQUIREMENTS

UPLIFT CONNECTION REQUIREMENT AT POINTS 'A'(TOP AND BOTTOM OF HEADER STUDS. UPLIFT CONNECTION IS REQUIRED AT EACH END OF HEADER AND AT BOTTOM OF HEADER STUDS IN ADDITION TO CONNECTORS AT WALL STUDS

UNSUPPORTED WALL HEIGHT	STUD SPACING	NUMBER OF FULL LENGTH STUDS AT EACH END OF HEADER					
		3'	6'	9'	12'	15'	18'
10' OR LESS	16"	2	2	3	3	3	3
GREATER THAN 10'	16"	2	2	3	3	4	4

\*THE HEADER STUD SHALL NOT BE REQUIRED IF THE HEADER IS SUPPORTED BY A SUITABLE FRAMING ANCHOR

7 HEADER AND BEAM STUD SCHEDULE  
SCALE 3/4" = 1'-0"

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REVISION HISTORY		
No.	Date	Description

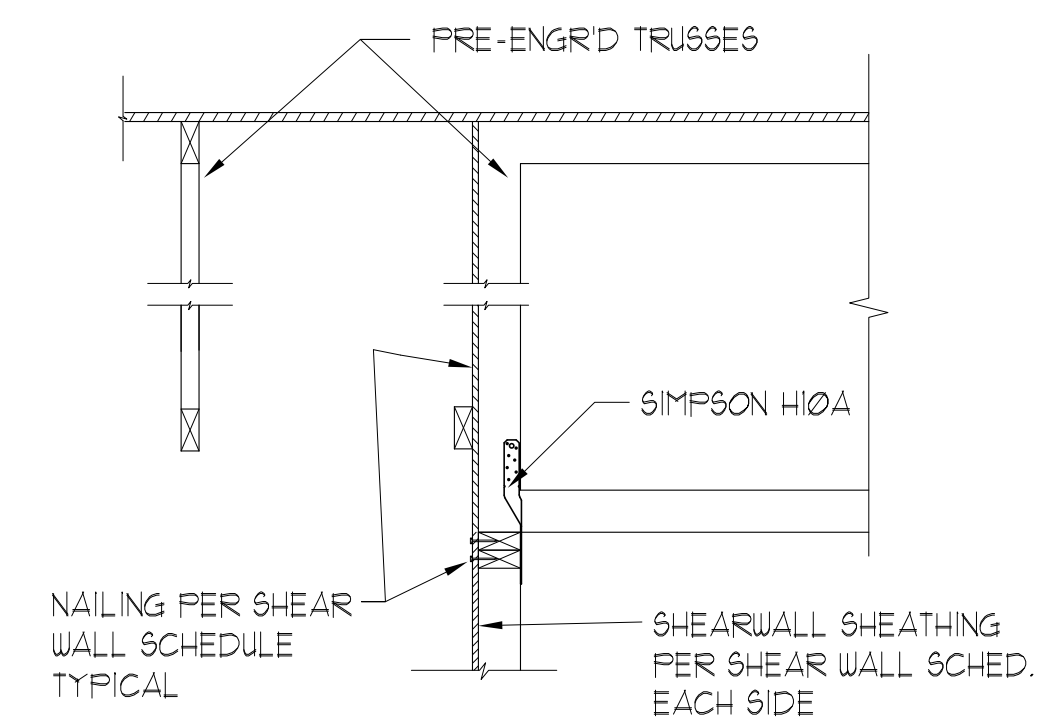
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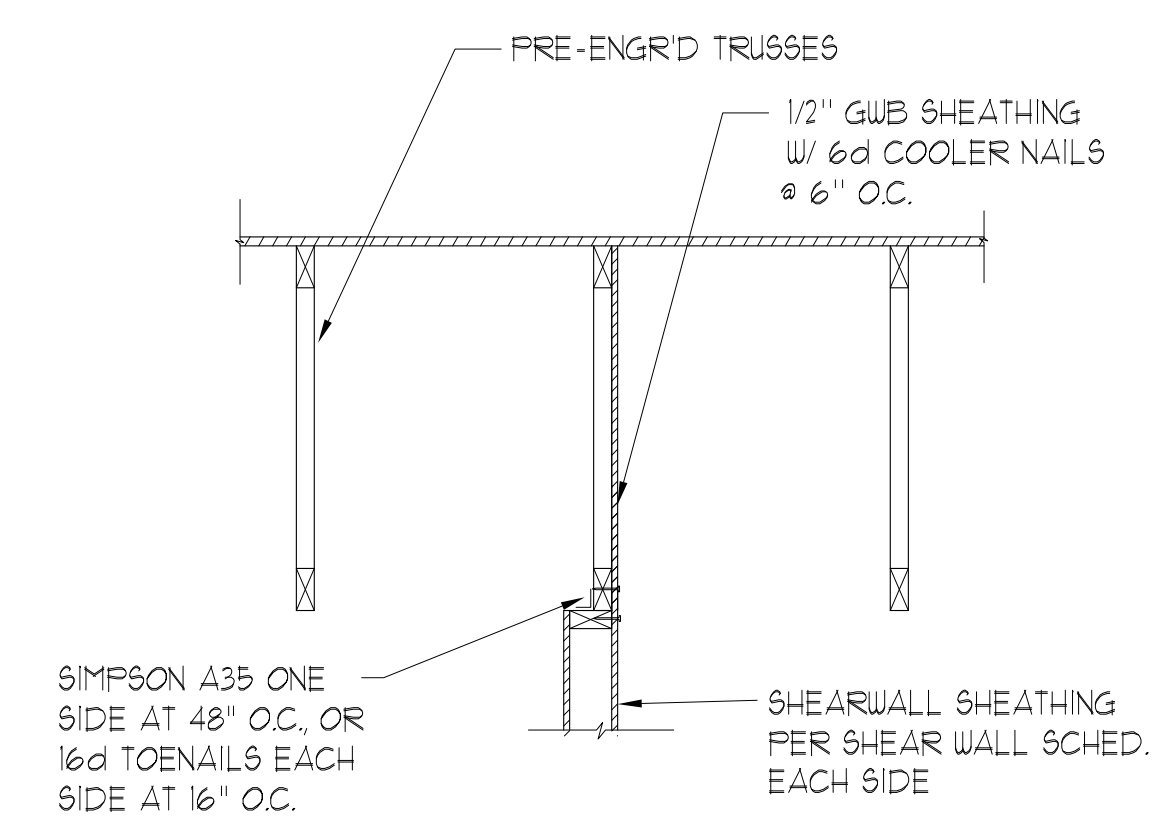
**SECTIONS AND DETAILS**

CS5.02

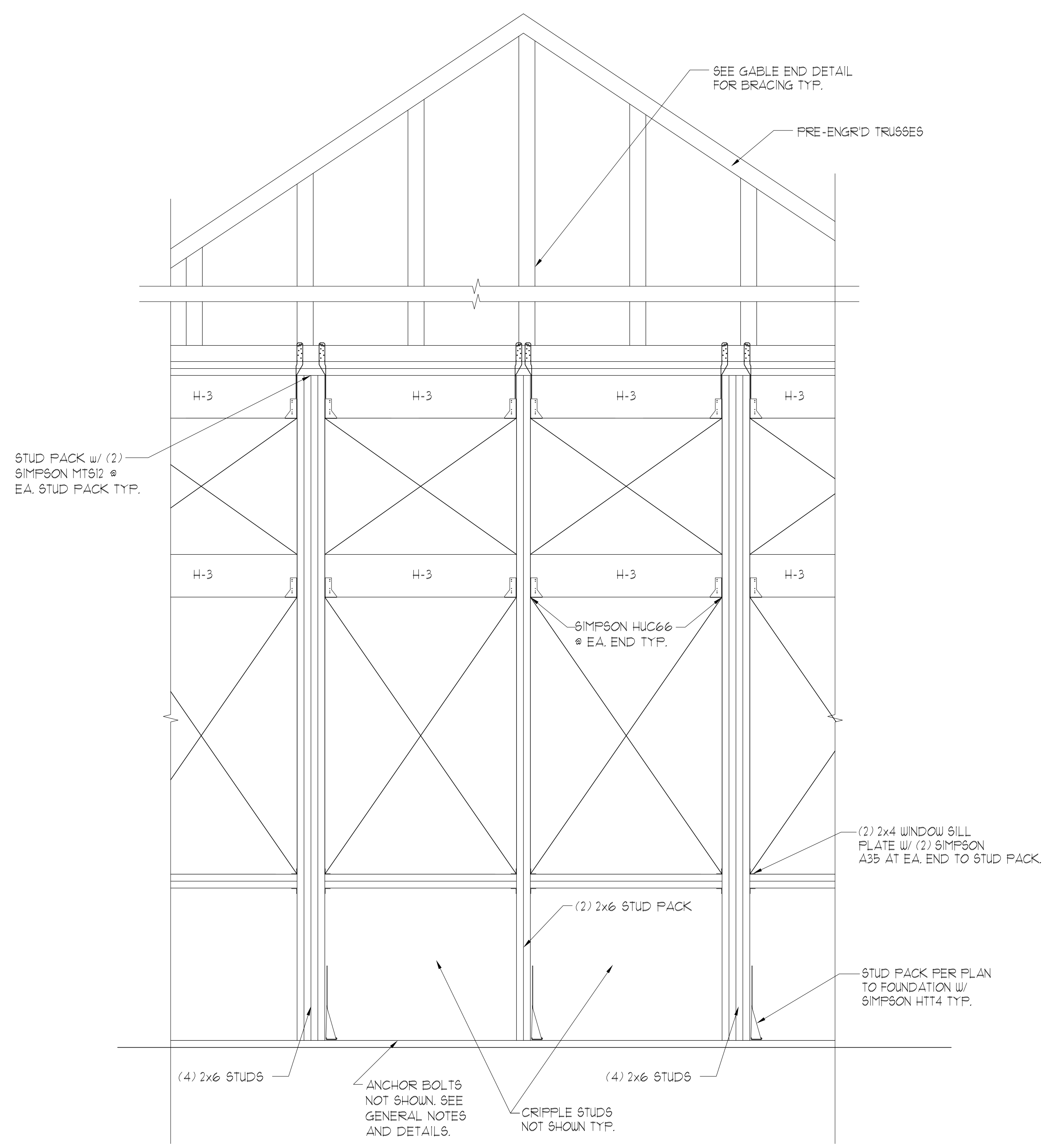
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Project	5592



1 SHEARWALL SECTION @ ROOF  
SCALE 3/4" = 1'-0"



3 TYP. SHEARWALL SECTION AT ROOF  
SCALE 3/4" = 1'-0"



4 SECTION  
SCALE N.T.S.

PERMIT REVIEW STAMP

ISSUE HISTORY		
No.	Date	Description
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2	12/06/19	DESIGN DEVELOPMENT
3	02/28/20	PERMIT REVIEW SET

REVISION HISTORY		
No.	Date	Description
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