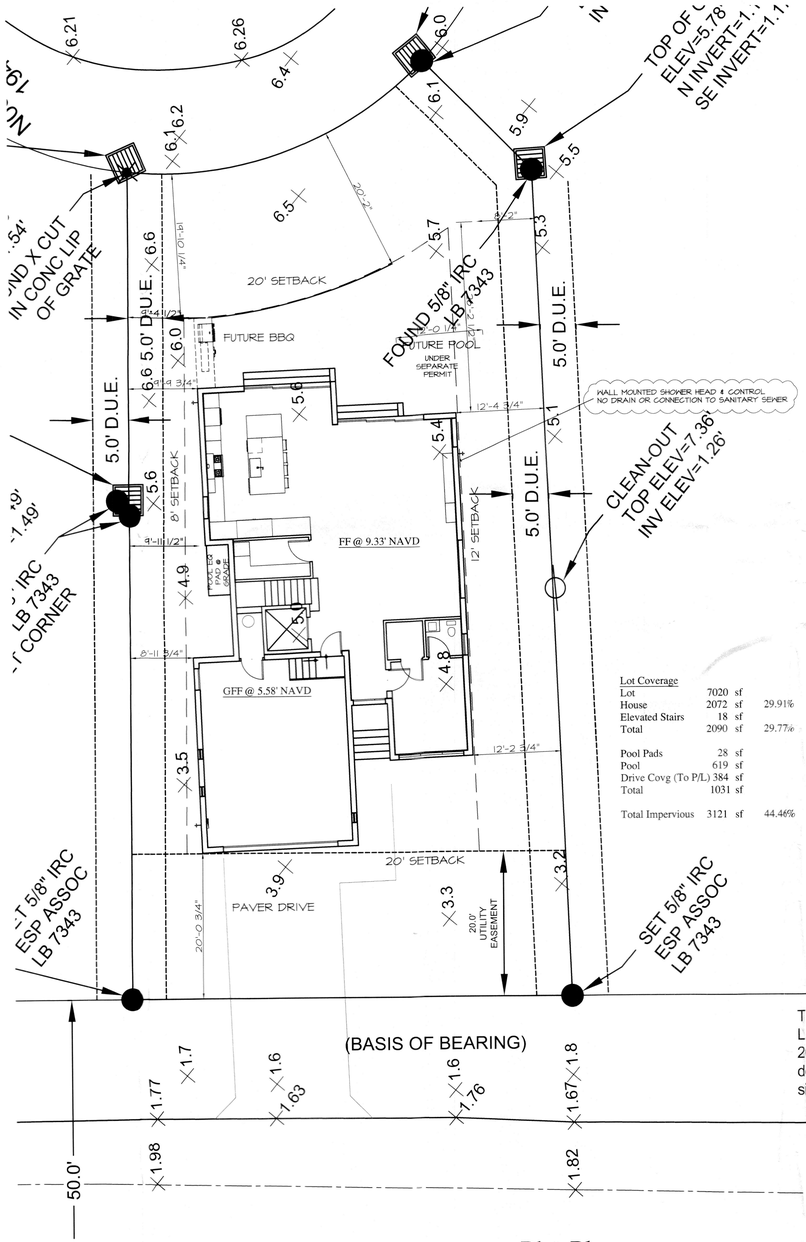

Lot Coverage			
Lot	7020	sf	
House	2072	sf	29.91%
Elevated Stairs	18	sf	
Total	2090	sf	29.77%
Pool Pads	28	sf	
Pool	619	sf	
Drive Covg (To P/L)	384	sf	
Total	1031	sf	
Total Impervious	3121	sf	44.46%

Plot Plan

Scale 1" = 10'-0"

This item has been electronically signed and sealed by James L. McCall, PE for structural engineering design only on June 1, 2023 using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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Permit Set

LOT 108

ALL CAD LLC.
DRAFTING SOLUTIONS
941-223-5031 www.allcaddesigns.com

JAMES L. McCALL LICENSE No. 84555 STATE OF FLORIDA PROFESSIONAL ENGINEER

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James L McCall

Digitally signed by James L McCall
DN: c=US, o=Florida, dnQualifier=A01410D00001869384720D0000D16C, cn=James L McCall
Date: 2023.06.01 14:13:31 -04'00'

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Milano Homes Construction
32 S. Osprey Ave. Suite 203
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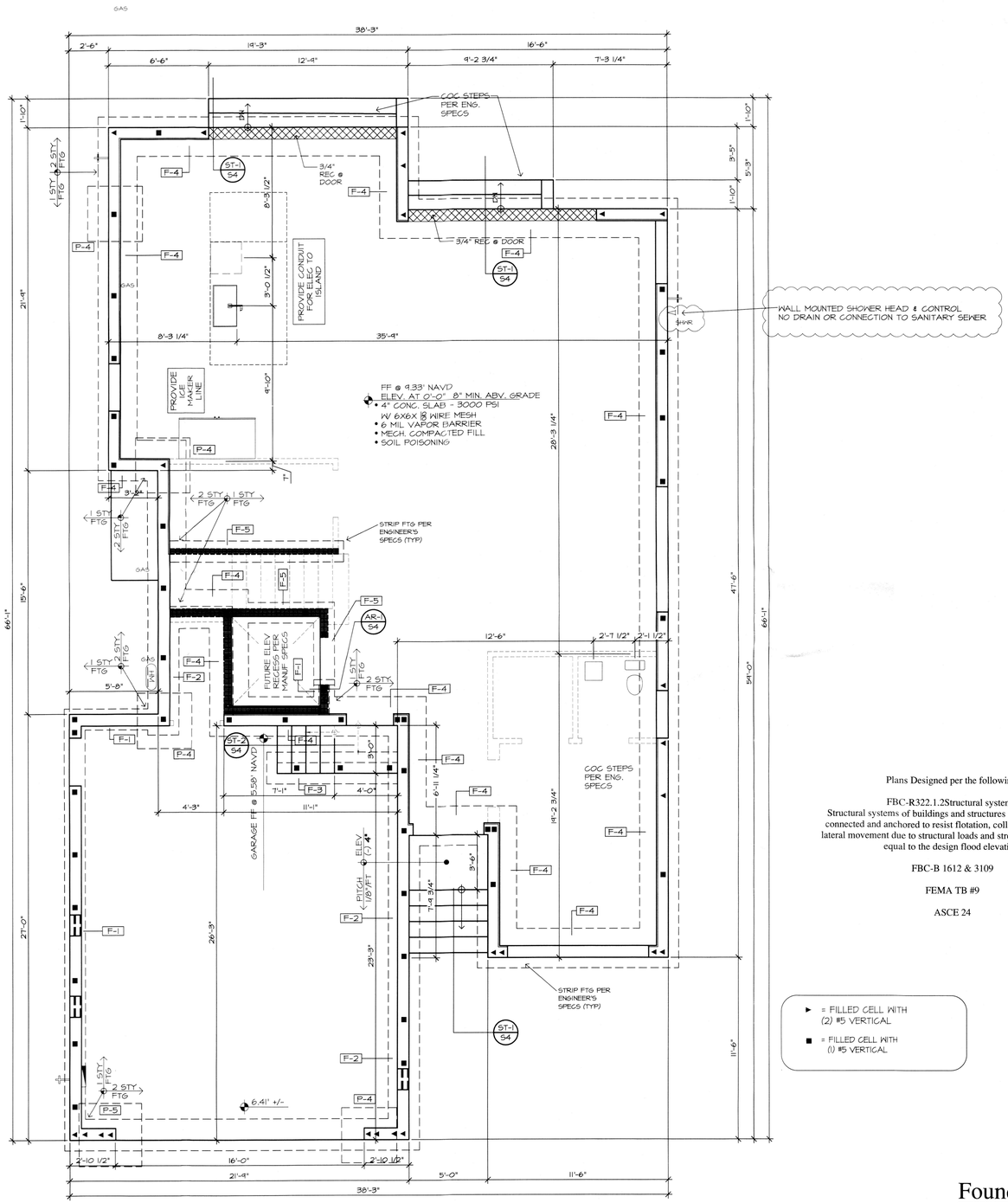
LOT 108

FOOTING SCHEDULE

MARK	SIZE/TYPE	REINF.	REM.
F-1	10"H X 16"W STRIP FTG.	2-#5S CONT.	2
F-2	12"H X 24"W STRIP FTG.	3-#5S CONT.	2
F-3	12"H X 24"W STRIP FTG.	3-#5S CONT.	1
F-4	12"H X 30"W STRIP FTG.	4-#5S CONT.	3,5,6
F-5	12"H X 16"W THICK. SLAB	2-#5S CONT.	4
F-6	16"H X 16"W THICK. SLAB	2-#5S CONT.	4,7
F-7	8"H X 8"W THICK. SLAB	1-#5S CONT.	-
P-1	24" X 24" X 12"H PAD	3-#5S E.W.	-
P-2	30" X 30" X 12"H PAD	4-#5S E.W.	-
P-3	36" X 36" X 12"H PAD	5-#5S E.W.	-
P-4	42" X 42" X 12"H PAD	6-#5S E.W.	-
P-5	48" X 48" X 18"H PAD	5-#5S E.W.	-
P-X	12"H PAD - EXTEND 6" PAST CMU ON EA. SIDE	#5S 8"O.C. E.W.	-

REMARKS:
1. #5 TRANSVERSE AT FOOTING MID-THICKNESS AT 16" O.C.; #5 VERTICAL @ 48" O.C. MAX.
2. STANDARD STEMWALL (MAX. 4 COURSES).
3. 1-COURSE STEMWALL: #5 TRANSVERSE AT FOOTING MID-THICKNESS AT 16" O.C., #5 VERTICAL AT 48" MAXIMUM, SEE SECTION ON SHEET S4.
4. ATTACH PT BOTTOM PLATE TO FOOTING WITH ½" X 6" LONG TITEN HDS AT 16" O.C. (MATCH STUD SPACING) AT STUD WALLS.
5. REBAR SHOWN ON PLAN IS ABOVE SLAB. SEE STEMWALLS SECTIONS OF SHEET S4 FOR REBAR REQUIREMENTS BELOW SLAB.
6. G.C. TO FIELD VERIFY STEMWALL HEIGHTS. SEE SECTIONS ON SHEET S4 FOR APPROPRIATE STEMWALL SECTION.
7. DEPTH OF FOOTING PER ELEVATOR PIT REQUIREMENTS.

GENERAL NOTES:
A. STEP STEMWALL FOOTINGS AS REQUIRED PER DETAIL ON SHEET S4.
B. ALL STEMWALLS GREATER THAN 24" POUR SOLID. (1)#5 IN TOP COURSE. SEE SHEET S4 FOR REINFORCEMENT AND FOOTING SIZE.
C. MONOLITHIC FOOTING DEPTH IS IN ADDITION TO 4" SLAB.
D. REINFORCEMENT IN FOOTINGS IS 3" FROM BOTTOM U.N.O.



Plans Designed per the following:

FBC-R322.1.2Structural systems.
Structural systems of buildings and structures shall be designed, connected and anchored to resist flotation, collapse or permanent lateral movement due to structural loads and stresses from flooding equal to the design flood elevation.

FBC-B 1612 & 3109

FEMA TB #9

ASCE 24

► = FILLED CELL WITH (2) #5 VERTICAL

■ = FILLED CELL WITH (1) #5 VERTICAL

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Foundation Plan

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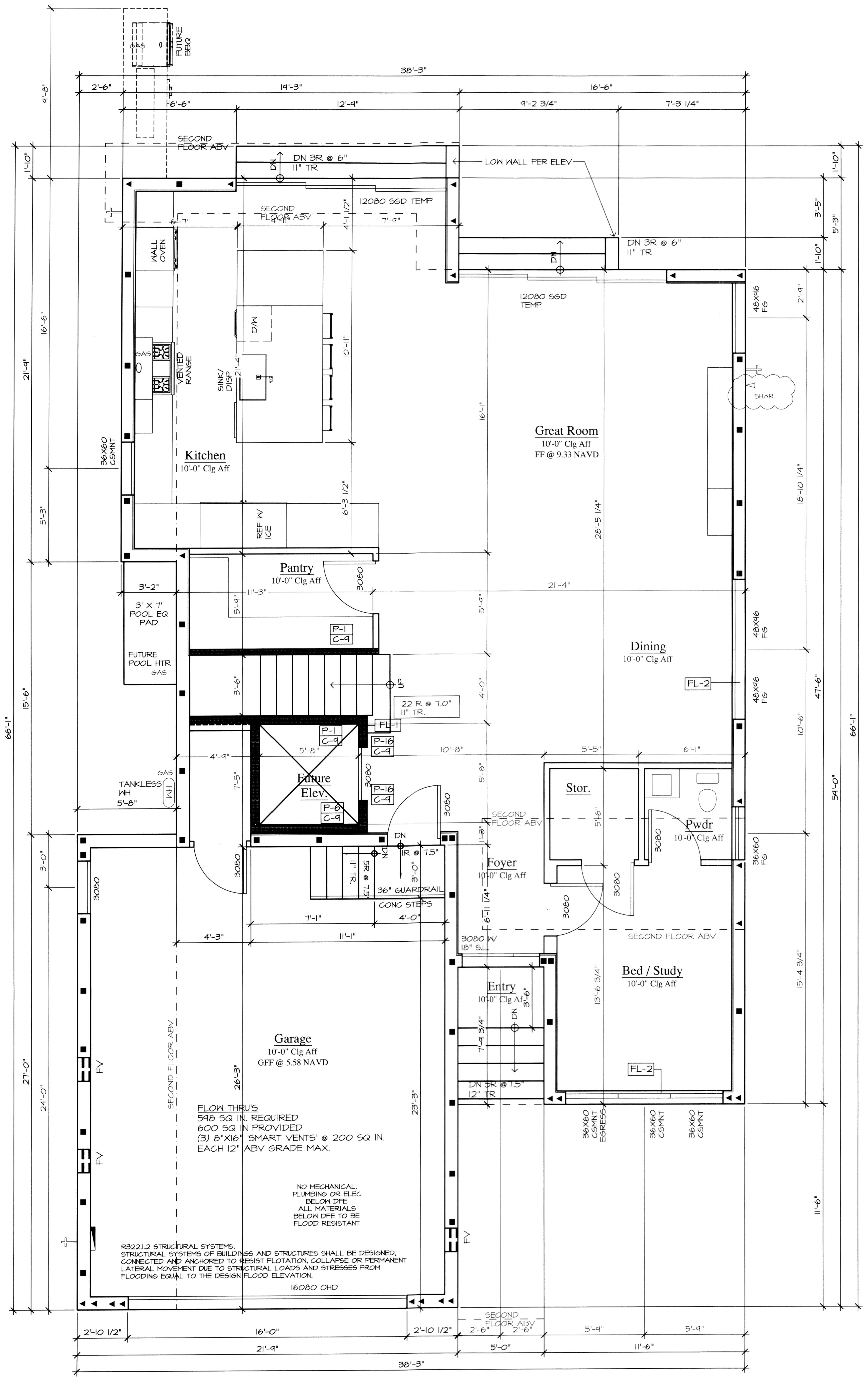
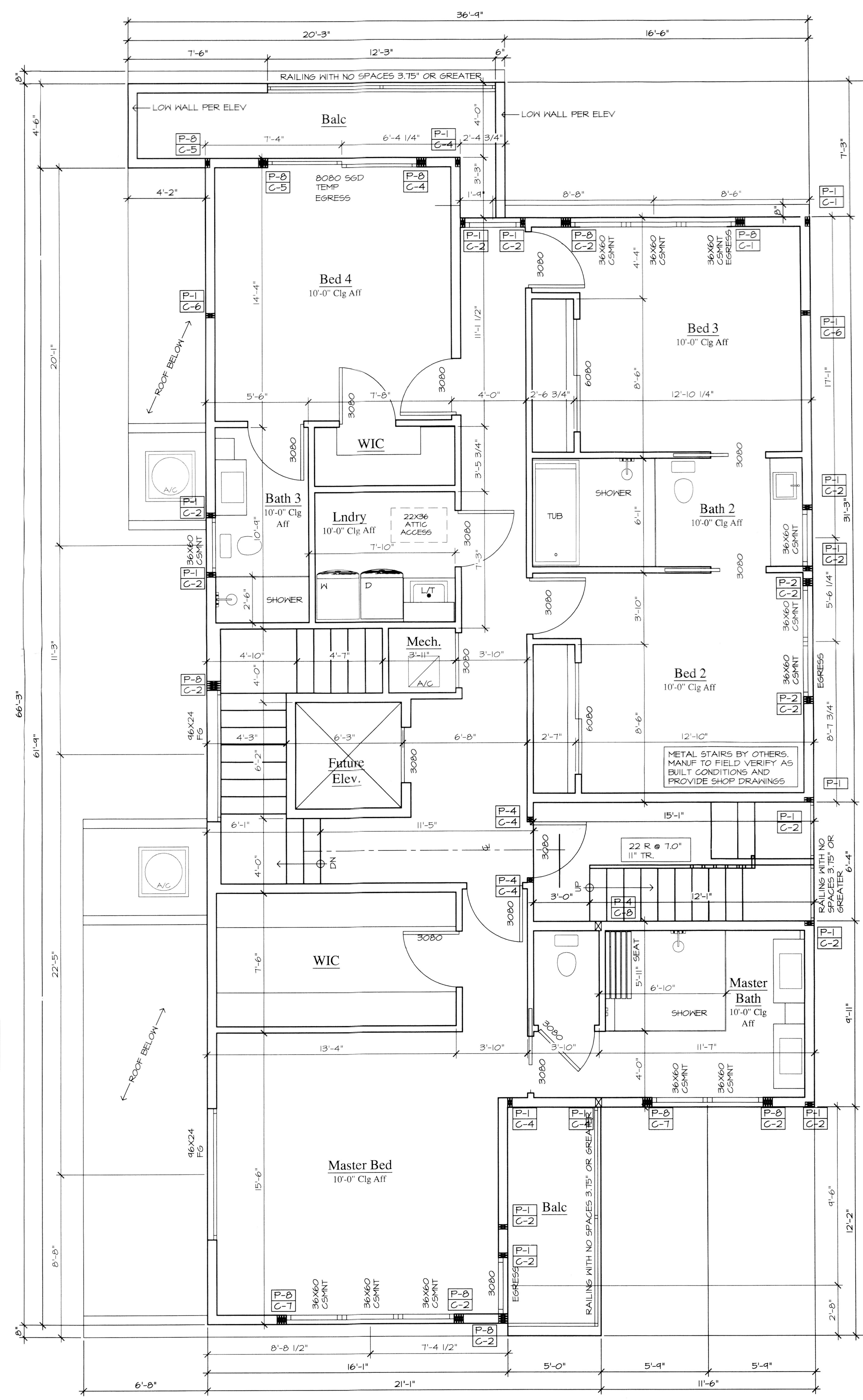


1st Floor Plan

- ▸ = FILLED CELL WITH (2) #5 VERTICAL
- ■ = FILLED CELL WITH (1) #5 VERTICAL

Area

1st Living	1,402
2nd Living	1,777
Total Living	3,179
Covered Entry	39
Garage	598
Front Balcony	61
M. Rear Balc.	144
3rd Level Stairway	114
3rd Level Covered	167
3rd Level Open Balc	322
Total	1,445
Grand Total	4,624



2nd Floor Plan

STRUCTURAL NOTES

1. FILL ALL CELLS ABOVE PRECAST LINTELS.
2. STUB RAISED HEEL TRUSSES BACK ¾" FROM FACE OF MASONRY FOR PLYWOOD AND STUCCO.
3. ALL WOOD OR WOOD PRODUCTS IN CONTACT WITH CONCRETE OR MASONRY TO BE MOISTURE PROTECTED OR PRESSURE TREATED.
4. STUB FLOOR TRUSSES BACK 2¼" FOR RIM JOIST PLYWOOD AND STUCCO.

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POST SCHEDULE

MARK	DESCRIPTION
P-1	2-2X SPF STUDS - MATCH WALL THICKNESS
P-2	3-2X SPF STUDS W/ 1-JACK, 2-KING STUDS MATCH WALL THICKNESS
P-3	3½" X 3½" VERSALAM 1.8 2750
P-4	3½" X 5¼" VERSALAM 1.8 2750
P-5	3½" X 7" VERSALAM 1.8 2750
P-6	5¼" X 5¼" VERSALAM 1.8 2750
P-7	5¼" X 7" VERSALAM 1.8 2750
P-8	4-2X SYP STUDS W/ 2-JACK, 2-KING STUDS MATCH WALL THICKNESS

CONNECTOR SCHEDULE

MARK	DESCRIPTION
C-1	1-SIMPSON MSTAM36 + 1-SIMPSON MSTCM60 TO CMU BEAM/WALL BELOW
C-2	1-SIMPSON MSTAM36 TO CMU BEAM/WALL BELOW
C-3	1-SIMPSON CS16 TO BEAM/TRUSS/WALL BELOW
C-4	2-SIMPSON CS16 TO BEAM/TRUSS/WALL BELOW
C-5	3-SIMPSON CS14 TO BEAM/TRUSS/WALL BELOW
C-6	1-SIMPSON MSTCM40 TO CMU BEAM/WALL BELOW
C-7	1-SIMPSON MSTCM60 TO CMU BEAM/WALL BELOW
C-8	2-SIMPSON CS14 TO BEAM/TRUSS/WALL BELOW
C-9	1-SIMPSON LTT19 WITH ⅝" ALL-THREAD DRILLED & EPOXIED 4" INTO FOOTING BELOW WITH SIMPSON SET EPOXY

STRUCTURAL SCHEDULE

MARK	DESCRIPTION
FL-1	LOAD BEARING WALL 2X8 SPF 16" O.C. - TOP AT 11'-4" AFF
FL-2	#5 HORIZONTAL IN FILLED COURSE AT TOP OF WINDOW SILL CONTINUOUS IN INDICATED AREA

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Floor Plans

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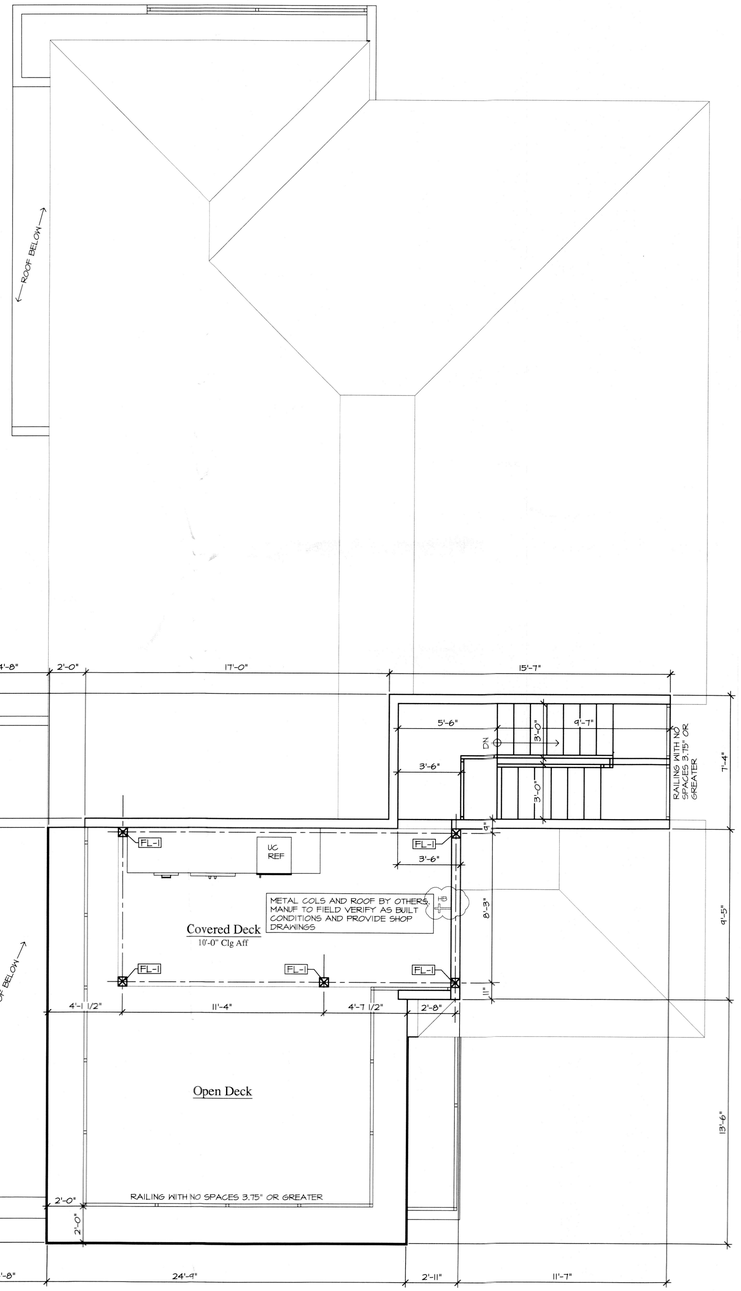

3rd Floor Plan

Scale 1/4" = 1'-0"

STRUCTURAL SCHEDULE

MARK	DESCRIPTION
FL-1	ROOF / CANOPY STRUCTURE BY OTHERS ATTACHMENT TO STRUCTURE PER DELEGATED ENGINEER. E.O.R. TO APPROVE ATTACHMENT DETAILS PRIOR TO FABRICATION.

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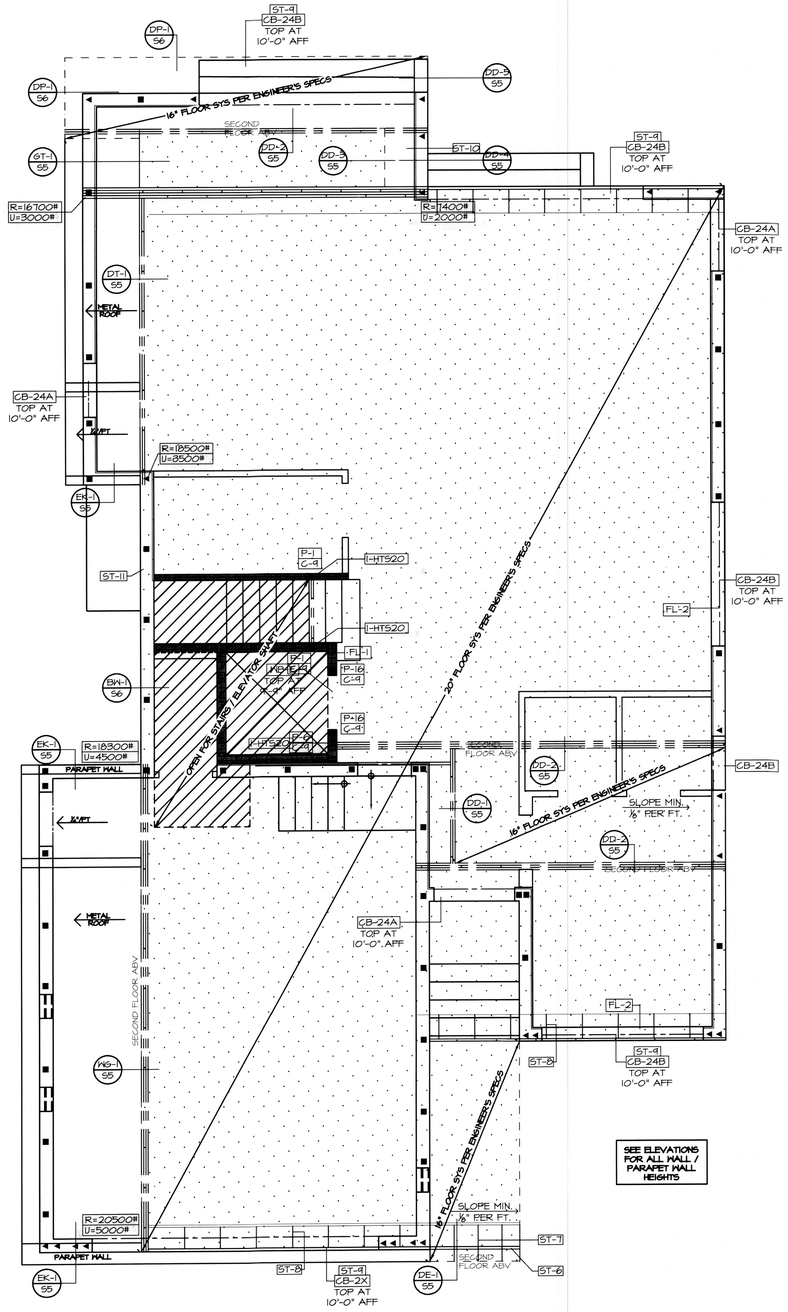
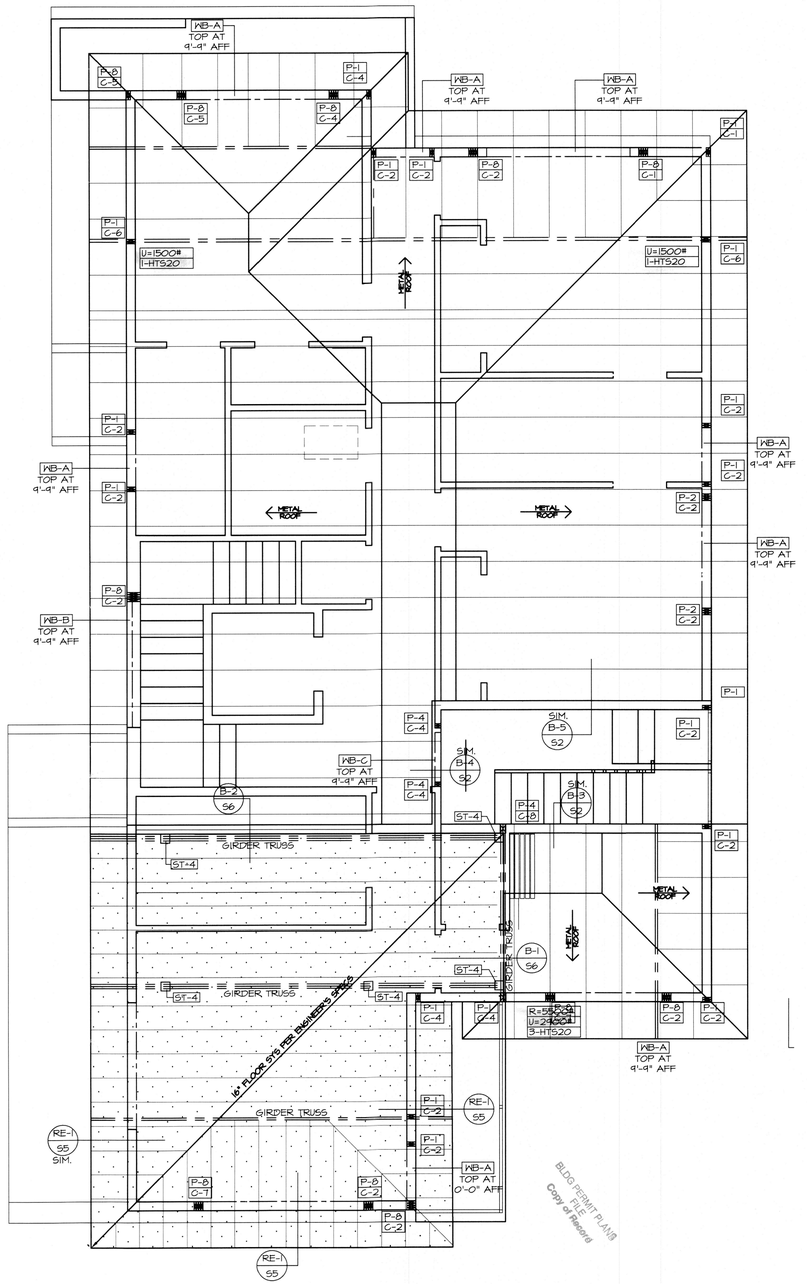


1st Floor Roof / 2nd Flr Framing Plan

Scale 1/4" = 1'-0"



2nd Floor Roof / 3rd Flr Framing Plan

Scale 1/4" = 1'-0"

STRUCTURAL NOTES

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4. STUB FLOOR TRUSSES BACK 2¼" FOR RIM JOIST PLYWOOD AND STUCCO.

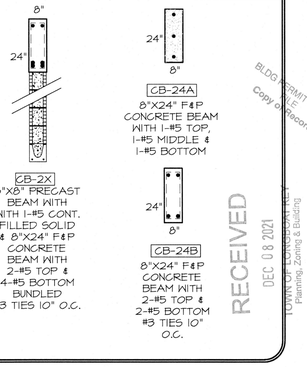
WOOD BEAM SCHEDULE

MARK	DESCRIPTION
WB-A	3-2X8 SYP BEAM WITH 2-½" CDX FLITCH PLATES
WB-B	2-2X12 SYP BEAM
WB-C	2-2X10 SYP BEAM WITH 1-½" CDX FLITCH PLATE

STRUCTURAL SCHEDULE

MARK	DESCRIPTION
ST-1	BLOCK ROOF DIAPHRAGM SEAMS WITH 2X4 SYP WITH 8D RING-SHANK NAILS 4" O.C.
ST-2	ATTACH EACH ROOF TRUSS TO TOP OF WALL WITH 2-SIMPSON HETA16 - INSTALL ONE STRAP ON EACH SIDE OF TRUSS WITH SPOONS FACING OUTWARD AND STRAPS SPACED NO MORE THAN ⅛" WIDER THAN TRUSS WIDTH
ST-3	BLOCK FLOOR DIAPHRAGM SEAMS WITH 2X4 SYP WITH 10D RING-SHANK NAILS 4" O.C.
ST-4	ROOF / CANOPY STRUCTURE BY OTHERS ATTACHMENT TO STRUCTURE PER DELEGATED ENGINEER. E.O.R. TO APPROVE ATTACHMENT DETAILS PRIOR TO FABRICATION.
ST-5	SIMPSON HUC210-2 TO WALL GIRDER TRUSS
ST-6	DROP TOP CHORD FOR OUTLOOKERS AT BALCONY
ST-7	2X4 SYP OUTLOOKERS AT 16" O.C.
ST-8	1.25"X20" LVL BLOCKING BETWEEN TRUSSES AT 24" O.C. - ATTACH TO TIE BEAM WITH SIMPSON HETA16 AT EACH BLOCKING MEMBER
ST-9	SHORE PRECAST BEAM FOR MIN. OF 28 DAYS AFTER TIE-BEAM HAS BEEN POURED
ST-10	2X16 LVL AT 16" O.C.
ST-11	2-HGAMIO TRUSS TO CMU

CONCRETE BEAM SCHEDULE



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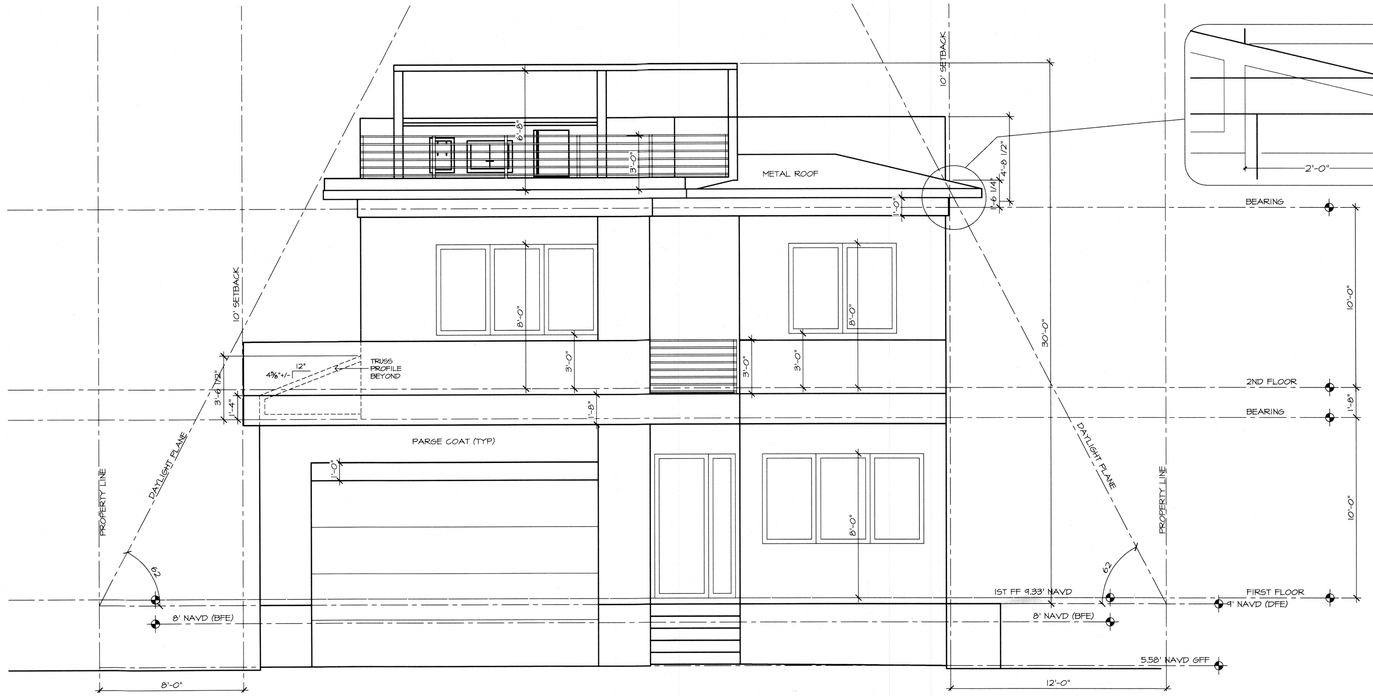

Front Elevation

Scale 1/4" = 1'-0"

Rear Elevation

Scale 1/4" = 1'-0"

Roof Plan

Scale 1/4" = 1'-0"

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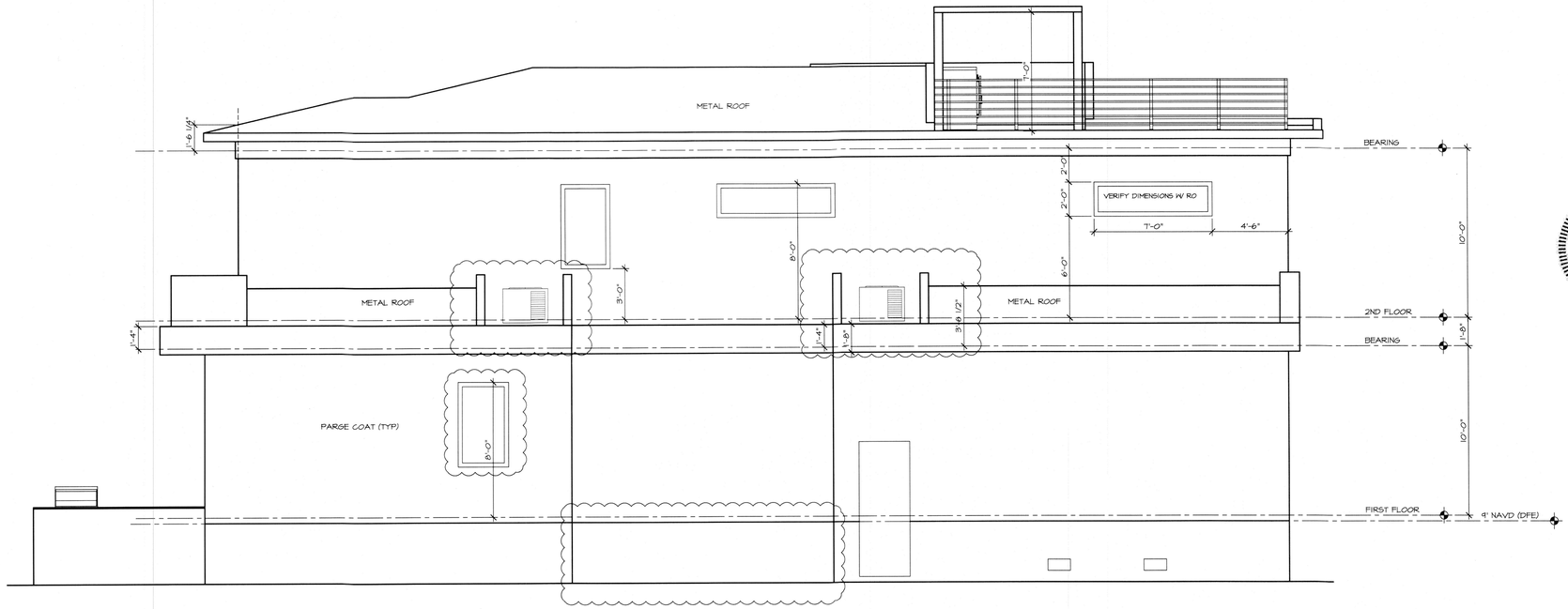
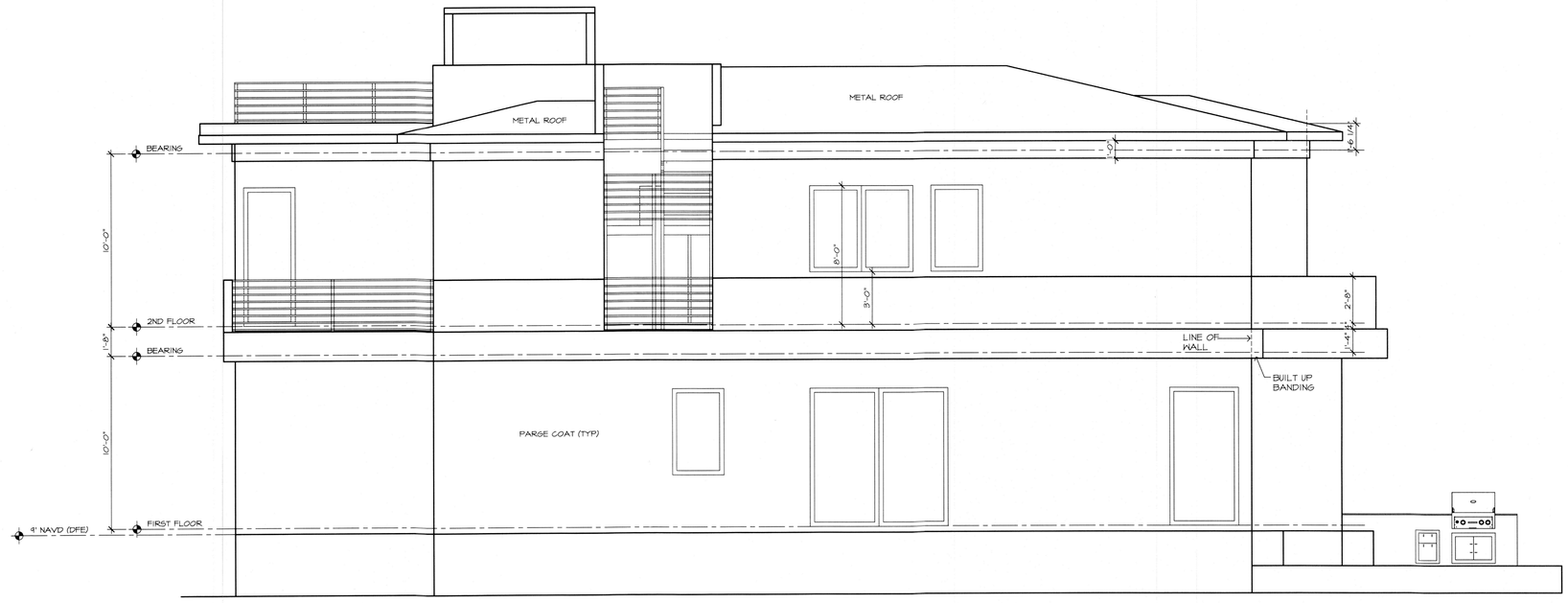


Left Elevation

Scale 1/4" = 1'-0"



Right Elevation

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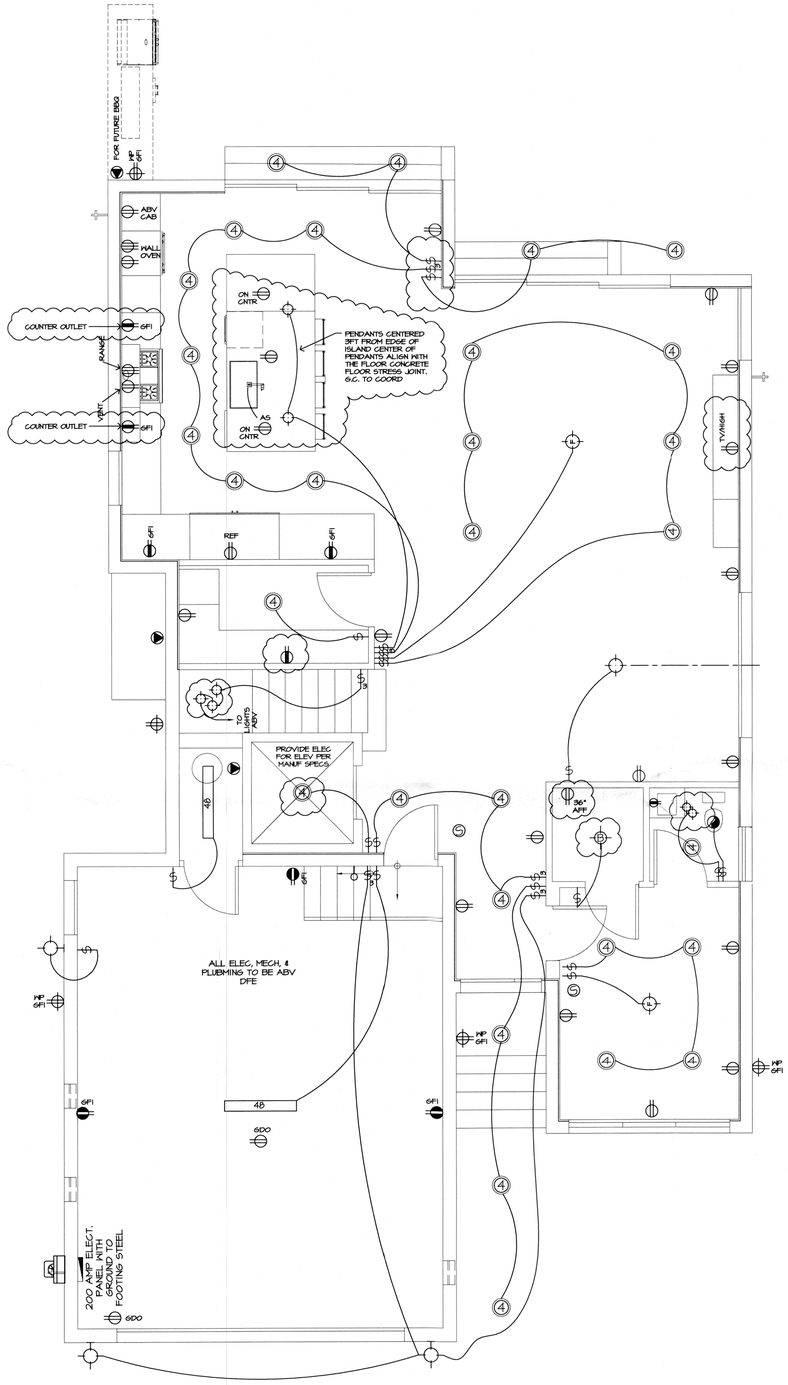
ELECTRICAL LEGEND

- DUPLEX OUTLET (110V AT 10" OR AS NTD)
- DUPLEX OUTLET (110V AT 34") *
- DUPLEX OUTLET (110V AT 42") *
- DUPLEX OUTLET (110V AT 45") *
- SPLIT DPLX OUTLET (110V AT 10") TOP PLUG IS 'HOT'
- WEATHERPROOF DPLX OUTLET (110V AT 12")
- 220V OUTLET AT 30"
- SPECIAL PURPOSE CONN
- TELEPHONE OUTLET AT 10" OR AS NTD
- TELEVISION OUTLET AT 10"
- SW AT 36"
- 3-WAY SW AT 36"
- 4-WAY SW AT 36"
- PUSH-BUTTON FOR GARAGE DOOR OPENER
- DIMMER SW AT 36"
- PUSH-BUTTON DOORBELL (DELETE W/ INTERCOM)
- (A) CLG MNT LT FIXTURE
- (B) CLG MNT PREWIRE - FIXTURE BY OWNER
- (C) SURFACE MNT SOCKET
- WALL MNT FIXTURE
- (3) ROUND RECESS FOR TUB/SHOWER
- (4) ROUND RECESS OPEN BAFFLE TRIM (INTERIOR FLAT CLG)
- (5) MINI ROUND RECESS OPEN BAFFLE TRIM (BAR LOCATIONS)
- (6) ROUND RECESS REGRESSED EYEBALL (INTERIOR SLOPED CLG)
- (F) CLG FAN PREWIRE AND SW
- (S) SMOKE DETECTOR / CARBON MONOXIDE ALARM
- «U-18» UNDER CABT 18"
- «S-18» SINGLE 18" FLUOR STRIP
- «U-24» UNDER CABT 24"
- «S-24» SINGLE 24" FLUOR STRIP
- «D-24» DOUBLE 24" FLUOR STRIP
- U-36 UNDER CABT 36"
- S-36 SINGLE 36" FLUOR STRIP
- D-36 DOUBLE 36" FLUOR STRIP
- S-48 SINGLE 48" FLUOR STRIP
- D-48 DOUBLE 48" FLUOR STRIP
- 24 24" CLG MNT FLUORESCENT LT, WRAPPED
- 48 48" CLG MNT FLUORESCENT LT, WRAPPED
- 24 24" VANITY LIGHTING (SEE SPECS)
- 36 36" VANITY LIGHTING (SEE SPECS)
- 48 48" VANITY LIGHTING (SEE SPECS)
- EXHAUST FAN / LIGHT FIXTURE COMBO
- EXHAUST FAN
- SOFFIT MNT FLOOD LIGHT
- INTERCOM SPEAKER AT 5'-0"
- CLG MNT SPEAKER
- CHIMES (DELETE W/ INTERCOM)
- MSTR STATION
- ELEC PANEL
- VACUUM OUTLET AT 10"
- CLG RETURN AIR
- A/C REGISTER
- (T) THERMOSTAT
- SECURITY PAD

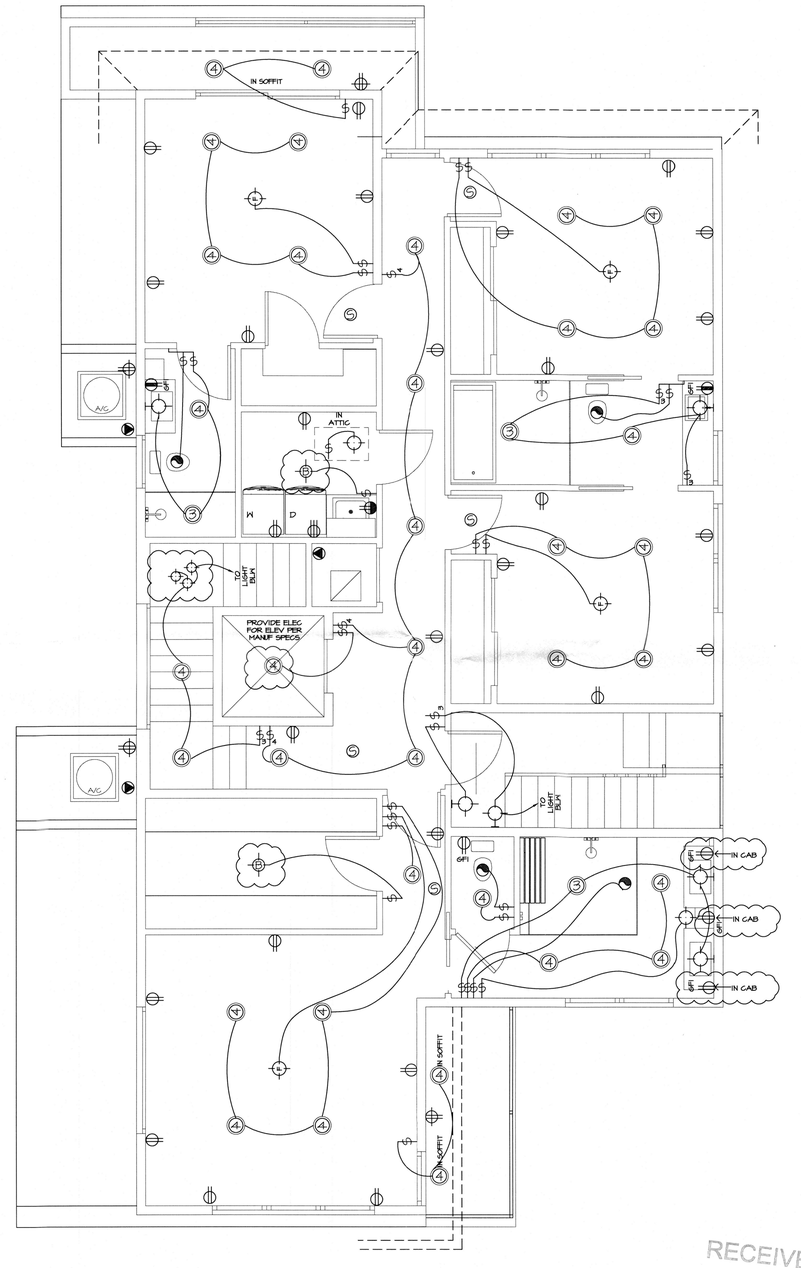
* NOTE: ALL RECEPTACLES ABV COUNTERS SHALL BE MOUNTED HORIZ

WET LOCATION OUTLETS TO BE GFI
ALL OUTLETS TO BE AFI
ALL OUTLETS TO BE TAMPER RESISTANT
ALL HEIGHTS ARE TO CENTERLINE AFF



1st Floor Electrcial Plan

Scale 1/4" = 1'-0"



2nd Floor Electrcial Plan

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Revisions
8-23-21 Eng
9-3-21
10-27-21
11-9-21
11-22-21
10-31-22

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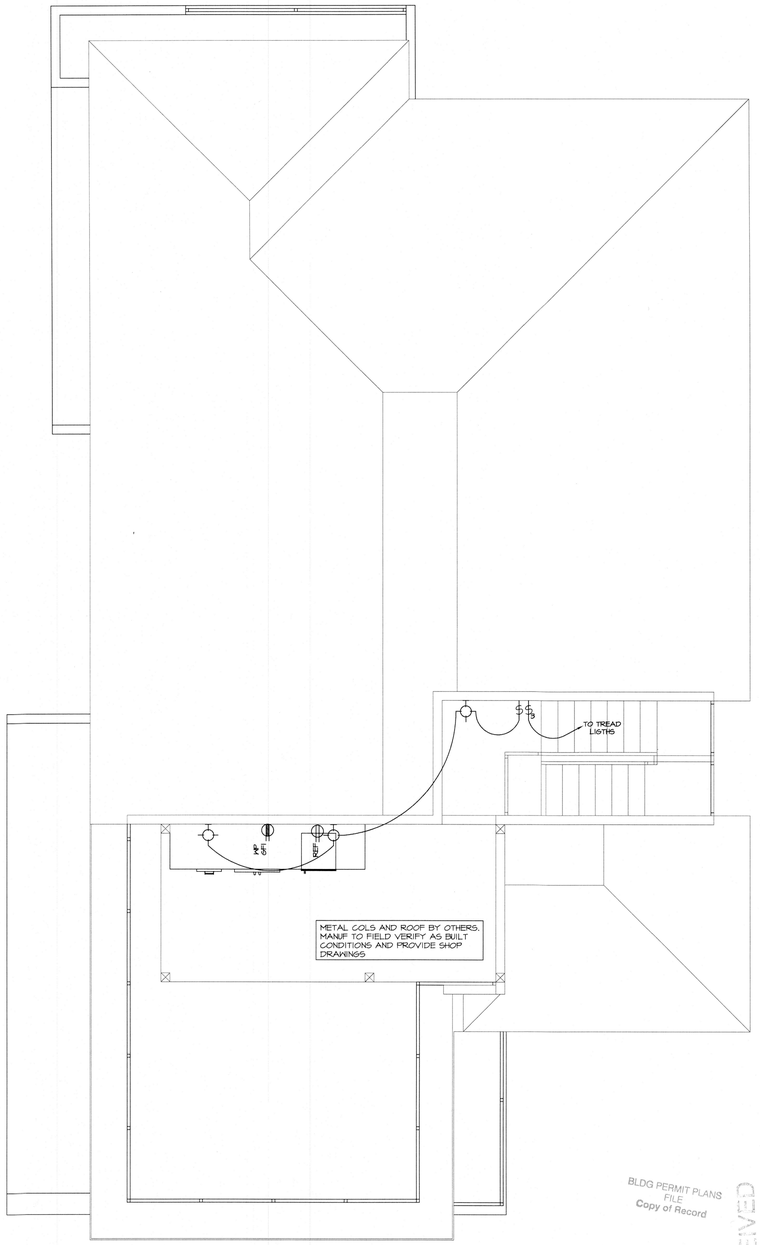
LOT 108

ELECTRICAL LEGEND

- DUPLEX OUTLET (110V AT 10" OR AS NTD)
- DUPLEX OUTLET (110V AT 34") *
- DUPLEX OUTLET (110V AT 42") *
- DUPLEX OUTLET (110V AT 45") *
- SPLIT DPLX OUTLET (110V AT 10") TOP PLUG IS 'HOT'
- WEATHERPROOF DPLX OUTLET (110V AT 12")
- 220V OUTLET AT 30"
- SPECIAL PURPOSE CONN
- TELEPHONE OUTLET AT 10" OR AS NTD
- TELEVISION OUTLET AT 10"
- SW AT 36"
- 3-WAY SW AT 36"
- 4-WAY SW AT 36"
- PUSH-BUTTON FOR GARAGE DOOR OPENER
- DIMMER SW AT 36"
- PUSH-BUTTON DOORBELL (DELETE W/ INTERCOM)
- CLG MNT LT FIXTURE
- CLG MNT PREWIRE - FIXTURE BY OWNER
- SURFACE MNT SOCKET
- WALL MNT FIXTURE
- ③ ROUND RECESS FOR TUB/SHOWER
- ④ ROUND RECESS OPEN BAFFLE TRIM (INTERIOR FLAT CLG)
- ⑤ MINI ROUND RECESS OPEN BAFFLE TRIM (BAR LOCATIONS)
- ⑥ ROUND RECESS REGRESSED EYEBALL (INTERIOR SLOPED CLG)
- CLG FAN PREWIRE AND SW
- (S) SMOKE DETECTOR / CARBON MONOXIDE ALARM
- «U-18» UNDER CABT 18"
- «S-18» SINGLE 18" FLUOR STRIP
- «U-24» UNDER CABT 24"
- «S-24» SINGLE 24" FLUOR STRIP
- «D-24» DOUBLE 24" FLUOR STRIP
- U-36 UNDER CABT 36"
- S-36 SINGLE 36" FLUOR STRIP
- D-36 DOUBLE 36" FLUOR STRIP
- S-48 SINGLE 48" FLUOR STRIP
- D-48 DOUBLE 48" FLUOR STRIP
- 24 24" CLG MNT FLUORESCENT LT, WRAPPED
- 48 48" CLG MNT FLUORESCENT LT, WRAPPED
- 24 24" VANITY LIGHTING (SEE SPECS)
- 36 36" VANITY LIGHTING (SEE SPECS)
- 48 48" VANITY LIGHTING (SEE SPECS)
- EXHAUST FAN / LIGHT FIXTURE COMBO
- EXHAUST FAN
- SOFFIT MNT FLOOD LIGHT
- INTERCOM SPEAKER AT 5'-0"
- CLG MNT SPEAKER
- CHIMES (DELETE W/ INTERCOM)
- MSTR STATION
- ELEC PANEL
- VACUUM OUTLET AT 10"
- CLG RETURN AIR
- A/C REGISTER
- THERMOSTAT
- SECURITY PAD

* NOTE: ALL RECEPTACLES ABV COUNTERS SHALL BE MOUNTED HORIZ

WET LOCATION OUTLETS TO BE GFI
ALL OUTLETS TO BE AFI
ALL OUTLETS TO BE TAMPER RESISTANT
ALL HEIGHTS ARE TO CENTERLINE AFF



3rd Floor Electrcial Plan

Scale 1/4" = 1'-0"

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS FOR THIS RESIDENCE COMPLY WITH THE APPLICABLE STRUCTURAL PROVISIONS OF THE 2020, 7th EDITION OF THE FLORIDA BUILDING CODE, RESIDENTIAL

Permit Set

LOT 108

ALL CAD LLC.
DRAFTING SOLUTIONS
941-223-5031 www.allcaddesigns.com

McCall Engineering
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A Residence For
• Lot 108 ~ 6830 Longboat Drive S. ~ Longboat Key, Fl

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Revisions
8-23-21 Eng
9-3-21
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LOT 108

1. GENERAL NOTES

1.1 FBC REFERS TO 2020 FLORIDA BUILDING CODE, 7TH EDITION.
1.2 FBC–R REFERS TO 2020 FLORIDA BUILDING CODE, 7TH EDITION, RESIDENTIAL.
1.3 COMPACT BACK FILL 5'–0" FROM STRUCTURE. THE BUILDING AREA PLUS A MARGIN OF 5'–0" AFF OUTSIDE PERIMETER LINES SHALL BE COMPACTED TO A MINIMUM 95% OF MODIFIED PROCTOR MAXIMUM DENSITY.
1.4 CONTACT SOILS FOR FOUNDATIONS SHALL BE COMPACTED TO A MINIMUM 95% OF MODIFIED PROCTOR MAXIMUM DENSITY.
1.5 CONTACT SOILS FOR FOUNDATIONS SHALL BE TESTED AFTER COMPACTION.
1.6 FILL WITHIN STEMWALLS SHALL BE PLACED AND COMPACTED PER THE RECOMMENDATIONS OF GEOTECHNICAL REPORT.
1.7 FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 2000 PSF.
1.8 CONTRACTOR TO VERIFY MANUFACTURED TRUSS PLAN PRIOR TO PLACEMENT OF STEMWALL OR MONOLITHIC FOOTING.
1.9 PLUMBER IS TO INFORM SUPERINTENDENT OF ANY VENTING WHICH UTILIZES A MASONRY WALL TO RESOLVE ANY POSSIBLE STRUCTURAL INTEGRITY ISSUES.

2. CONCRETE/MASONRY NOTES

2.1 ALL CONCRETE SHALL BE F'c=3000PSI.
2.2 MASONRY SHALL USE TYPE S MORTAR. F'm=1900PSI.
2.3 REINFORCING STEEL SHALL SATISFY ASTM A615, GD 60. FOOTING MAY USE GD 40 STEEL.
2.4 WHERE INDICATED ON FLOOR PLANS, PROVIDE CONCRETE FILLED CELL WITH REINFORCING STEEL FROM FOOTING TO TIE BEAM HOOKED & TIED BEFORE INSPECTION. IF GROUT LIFT EXCEEDS 4'–0", AN INSPECTION HOLE TO VERIFY GROUTING SHALL BE PROVIDED AT THE BOTTOM CELL.
2.5 PROVIDE (1) #5 VERTICAL REINFORCING STEEL ELECTRICAL GROUND TO FOUNDATION STEEL.
2.6 FOUNDATION DOWELS AND VERTICAL REINFORCING SPACES AS SHOWN ON FLOOR PLANS. IN THE EVENT OF CONFLICTS, THE FLOOR PLANS SHALL TAKE PRECEDENCE OVER THE FOUNDATION PLAN.
2.7 ALL FOOTINGS TO BE SMOOTH AND LEVEL.
2.8 REINFORCING STEEL LAP LENGTH IN CONCRETE AND/OR MASONRY SHALL BE:
#5 REBAR –30"
#6 REBAR –36"
#7 REBAR –45"
2.9 LAP LENGTH OF INDIVIDUAL BARS WITHIN A BUNDLE SHALL BE THAT FOR THE INDIVIDUAL BAR, INCREASED 20% FOR THREE–BAR BUNDLE, AND 33% FOR FOUR–BAR BUNDLE.
2.10 INDIVIDUAL BARS WITHIN A BUNDLE TERMINATED WITHIN THE SPAN OF THE BEAM SHALL TERMINATE AT DIFFERENT POINTS WITH AT LEAST 40DB STAGGER.
2.11 A FILLED CELL WITH (1) #5 VERTICAL SHALL BE LOCATED AT GIRDER TRUSSES WITH UPLIFT EXCEEDING 2000LBS U.N.O.
2.12 MINIMUM CONCRETE COVER 3" CAST AGAINST SOIL AND 1½" ELSE U.N.O. MAXIMUM CONCRETE COVER 6" U.N.O.
2.13 EMBEDDED TRUSS ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
2.14 EMBEDDED ANCHORS/TIEDOWNS SHALL HAVE MIN 2" COVER.
2.15 MASONRY WALLS SHALL BE BRACED IN ACCORDANCE WITH "STANDARD PRACTICE FOR BRACING MASONRY WALLS UNDER CONSTRUCTION" MASON CONTRACTORS ASSOCIATION OF AMERICA, JULY 2001.
2.16 THE CONCRETE TIE BEAM AT THE TOP OF ALL WALLS SHALL BE AN 8" X 16" FORM AND POUR BEAM WITH (1) NO. 5 REBAR CONTINUOUS TOP AND BOTTOM UNO.
2.17 BEAM SIZES SHOWN ON DRAWINGS ARE MINIMUM NOMINAL DIMENSIONS. BEAM SIZES MAY BE INCREASED BY UP TO 12" TO ACCOMMODATE ON–SITE BEAM REQUIREMENTS PROVIDED THAT THE DISTANCE BETWEEN TOP AND BOTTOM REINFORCING STEEL REMAINS THE SAME OR IS INCREASED.

3. FRAMING NOTES

3.1 ALL DOOR HEADERS AT BEARING WALLS TO BE (2) 2X10 SYP OR BETTER, U.N.O.
3.2 EXTERIOR FRAME WALLS, BEARING OR NON BEARING, SHALL BE SHEATHED WITH 7/16" PLYWOOD OR EQUAL, BLOCKED AND NAILED WITH 8d AT 4" O.C. EDGES, 8" O.C. FIELD.
3.3 SHEAR WALL AND EXTERIOR WALL PLYWOOD SHEATHING SHALL BE BLOCKED.
3.4 TRUSSES AND BEAMS SHALL BEAR DIRECTLY ON PSL OR SYP POSTS U.N.O. WHERE REQUIRED, SHIMS TO BE A36 STEEL U.N.O.
3.5 PSL OR SYP POSTS SHALL BEAR DIRECTLY ON CONCRETE SLAB OR ON SYP OR PT PLATE U.N.O.
3.6 UPLIFTS AND REACTIONS SHOWN ON MANUFACTURED TRUSS PLANS SHALL BE USED U.N.O. ON ENGINEER'S SEALED ROOF/FLOOR LAYOUT PLAN.
3.7 BUILD–OUTS SHALL BE ATTACHED TO THE MASONRY/CONCRETE WITH ⅜" TAPCONS AT 16" O.C. WITH MINIMUM EMBEDMENT OF 1⅜"
3.8 FLOOR SHEATHING SHALL BE ¾" T&G PLYWOOD OR EQUAL. FASTENED WITH 10d NAILS AT 4" O.C. EDGES AND 8" O.C. FIELD U.N.O.

4. WOOD NOTES

4.1 PSL: 1.8E PARALLEL STRAND LUMBER, Fb=2400psi
4.2 LVL: 1.9E LAMINATED VENEER LUMBER, Fb=2600psi
4.3 PT: PRESSURE TREATED SOUTHERN PINE #2 GRADE OR BETTER
4.4 SPF: SPRUCE PINE FIR #2 GRADE OR BETTER
4.5 CEDAR: WESTERN CEDAR #2 GRADE OR BETTER

5. ROOF FRAMING NOTES

5.1 THE DESIGN OF ROOF FRAMING SHALL BE BASED ON THE REQUIREMENTS OF THE FBC–R.
5.2 DESIGN WIND LOADS SHALL BE APPLIED IN ACCORDANCE WITH FBC SECTION 1609. SEE WIND NOTES FOR WIND DESIGN REQUIREMENTS.
5.3 ROOF TRUSS MANUFACTURER SHALL SUBMIT AND PROVIDE COMPLETE LAYOUT AND FURNISH THE FOLLOWING INFORMATION: ROOF PITCH, LUMBER SIZE, SPACING, SPECIES AND GRADING, LOCATION AND MAGNITUDE OF UPLIFT LOADS.
5.4 PRE–ENGINEERED TRUSS DESIGN SHALL BE SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER.
5.5 PRE–ENGINEERED TRUSS DESIGN SHALL BE SUBMITTED TO E.O.R. FOR REVIEW AND APPROVAL.
5.6 ROOF SHEATHING SHALL BE 7/16" CDX PLYWOOD OR EQUAL. FASTENED WITH 8D RINGSHANK NAILS (RSRS–03 (2½"X0.131") OR RSRS–04 (3"X0.120")) AT 4" O.C. EDGES AND 8" O.C. FIELD
NAILING SHALL BE AT 4" O.C. EDGES AND FIELD WITHIN 4'–0" OF RIDGES AND EDGES OF ROOF AND 3" O.C. WITHIN 4'–0" OF EXTERIOR ROOF CORNERS.
5.7 CONTRACTORS SHALL VERIFY WITH ROOF TRUSS PLAN PRIOR TO PLACEMENT OF FOOTINGS.

6. DESIGN LOADS AND NOTES

6.1 ROOF TRUSSES – D+L
55PSF W/ 1.33 STRESS INCREASE FACTOR, OR
45PSF W/ 1.25 STRESS INCREASE FACTOR, OR
41PSF W/ 1.00 STRESS INCREASE FACTOR.
6.2 FLOOR – D+L
65PSF W/ 1.00 STRESS INCREASE FACTOR.
6.3 DL = 10PSF IN COMBINATION WITH WIND LOADS.
6.4 MEAN ROOF HEIGHT SHALL BE DETERMINED BY CONTRACTOR.
6.5 LATERAL LOADS AT TOP OF EXTERIOR WALLS SHALL BE BASED ON 40.4 PSF ON WALL.
6.6 LATERAL LOADS IN TRUSSES ARE RESISTED BY ROOF DIAPHRAGM AT POINT OF WIND LOAD INPUT U.N.O.
6.7 TRUSS MANUFACTURER'S TRUSS LAYOUT SHALL SHOW ALL CONNECTIONS BETWEEN TRUSSES AND OTHER TRUSSES AND BETWEEN TRUSSES AND WOOD BEAMS.
6.8 TRUSSES MUST BE DESIGNED TO SUPPORT WALLS AGAINST OUT–OF–PLANE LOADS IN ACCORDANCE WITH ITEM 6.5. THIS APPLIES TO ALL TRUSSES WITH A RAISED HEEL CONDITION THAT BEAR ON AN EXTERIOR WALLS.
6.9 NO PROVISION HAS BEEN MADE IN THE STRUCTURAL DESIGN FOR TEMPORARY CONDITIONS OCCURRING DURING CONSTRUCTION, UNLESS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING AND BRACING REQUIRED TO RESIST STRESSES OR INSTABILITY OCCURRING FROM ANY CAUSE DURING CONSTRUCTION. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR SUCH MEASURES.

7. WIND NOTES

7.1 WIND LOADS ARE BASED ON A WIND VELOCITY OF 150 MPH APPLIED FOR A FULLY ENCLOSED STRUCTURE.
7.2 THIS BUILDING IS DESIGNED AS A FULLY ENCLOSED BUILDING.
7.3 WIND DESIGN LOADS WERE DETERMINED BASED ON THE FOLLOWING:
BASIC WIND SPEED = 150 MPH (LRFD),
BUILDING CATEGORY II,
WIND EXPOSURE = D;
INTERNAL PRESSURE COEFFICIENT = 0.18.
FULLY ENCLOSED BUILDING

DESIGN WIND PRESSURES (ASD) FOR COMPONENTS AND CLADDING

POSITIVE PRESSURES = INWARD
NEGATIVE PRESSURES = OUTWARD (SUCTION)
ALL PRESSURE VALUES ARE IN PSF.

COMPONENT AREA (SQ. FT.)	ZONE 4	ZONE 5
10	+42.2/–45.9	+42.2/–56.6
20	+39.8/–44.0	+39.8/–52.7
30	+39.5/–43.0	+39.5/–50.6
40	+38.3/–41.9	+38.3/–49.0
50	+38.0/–41.6	+38.0/–47.7
75	+36.9/–40.5	+36.9/–45.5
100	+35.9/–39.5	+35.9/–44.1
150	+34.8/–38.4	+34.8/–41.6

8. PEST/DECAY PROTECTION NOTES

8.1 ALL PLANTINGS AND IRRIGATION/SPRINKLER SYSTEMS AND RISERS FOR SPRAY HEADS SHALL BE AT LEAST 1'–0" FROM BUILDING SIDEWALLS.
8.2 SOIL TREATMENT FOR TERMITES SHALL MEET THE REQUIREMENTS OF FBC SECTION R320. SENTRICON SHALL BE USED.
8.3 WOOD GRADE STAKES SHALL NOT BE USED.
8.4 PROTECTION AGAINST DECAY AND TERMITES SHALL BE PROVIDED IN ACCORDANCE WITH FBC SECTIONS R317 AND R318.
8.5 ROOF FLASHING SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF FBC SECTIONS R703.7.5, R703.8, R903.2 AND R905.

9. GARAGE NOTES

9.1 OPENINGS FROM GARAGE INTO LIVING SPACE OF RESIDENCE SHALL MEET THE REQUIREMENTS OF FBC SECTION R302.5.1
9.2 DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL MEET THE REQUIREMENTS OF FBC SECTION R302.5.2.
9.3 GARAGE AND LIVING SPACE SEPARATION SHALL MEET THE REQUIREMENTS OF FBC SECTION R302.6.
9.4 GARAGE DOORS SHALL SATISFY THE REQUIREMENTS OF FBC FOR WIND LOADS AS DEFINED IN ROOF FRAMING AND WIND NOTES.

10. GENERAL CONNECTIONS NOTES

10.1 CONNECTIONS SHOWN ARE RECOMMENDED, BUT OTHER CONNECTORS MAY BE SUBSTITUTED AS LONG AS THEY MEET OR EXCEED UPLIFTS AND LATERAL CAPACITY OF THE ANCHORS SPECIFIED AND SATISFY TRUSS LAYOUT REQUIREMENTS COMPLIANCE WITH USP, SIMPSON OR OTHER MANUFACTURER'S REQUIREMENTS.
10.2 FOR ADDITIONAL TIE DOWN INFORMATION, SEE SIMPSON OR USP CATALOGS.
10.3 FOR POST–INSTALLED ANCHORS: HOLE PREPARATION, CARTRIDGE PREPARATION, AND EPOXY FILLING SHALL BE PERFORMED PER MANUFACTURER'S ADHESIVE ANCHOR INSTALLATION INSTRUCTIONS.
10.4 AN EPOXY INSPECTION MAY BE REQUIRED DEPENDING ON JURISDICATION. CONTRACTOR MUST VERIFY.

TRUSS UPLIFT ANCHORS – MASONRY/CONCRETE

TRUSS ANCHORS TO MASONRY OR CONCRETE SHALL BE AS FOLLOWS
(REFER TO SIMPSON 2009–2010 CATALOG #C–2009)
OTHER BRANDS OF CONNECTORS MAY BE SUBSTITUTED IF BOTH UPLIFT AND LATERAL LOAD CAPACITIES ARE EQUAL OR GREATER THAN CONNECTORS SPECIFIED

TYPE MEMBER	NOMINAL UPLIFT CAPACITY	CONNECTOR TYPE	NAILS TO TRUSS FOR NOMINAL UPLIFT	NOTES AND COMMENTS
SINGLE PLY, CMU	595#	SIMPSON HM9KT	(4) SDS ¼"x1½" LONG TO TRUSS AND (5) ¼"x2½" SIMPSON TITEN SCREW TO CMU	POST–INSTALLED
SINGLE PLY, CONCRETE	595#	SIMPSON HM9KT	(4) SDS ¼"x1½" LONG TO TRUSS AND (5) ¼"x1¾" SIMPSON TITEN SCREW TO CMU	POST–INSTALLED
SINGLE PLY	1065#	SIMPSON H10S	(8) 8dx1½" LONG TO TRUSS AND (2) ⅜"x4" SIMPSON TITEN SCREW TO CMU	POST–INSTALLED
	1450#	SIMPSON META12	(7) 10dx1½" LONG	–
	1520#	SIMPSON HETA12	(7) 10dx1½" LONG	–
	1810#	SIMPSON HETA16	(9) 10dx1½" LONG	–
	1985#	(2) SIMPSON META12	(10) 10dx1½" LONG	NOTE 1
	2035#	(2) SIMPSON HETA12	(10) 10dx1½" LONG	NOTE 1
SINGLE OR MULTI PLY, CMU	860#	SIMPSON MTSM16 EA TRUSS + SIMPSON HGAM AT 48"O.C.	(7) 10d TO TRUSS AND (4) ¼"x2½" SIMPSON TITEN SCREW TO CMU	POST–INSTALLED, MISSING EMBEDS.
	1175#	SIMPSON HTSM16 EA TRUSS + SIMPSON HGAM AT 48"O.C.	(8) 10d TO TRUSS AND (4) ¼"x2½" SIMPSON TITEN SCREW TO CMU	POST–INSTALLED, MISSING EMBEDS.
SINGLE OR MULTI PLY, CONCRETE	860#	SIMPSON MTSM16 EA TRUSS + SIMPSON HGAM AT 48"O.C.	(7) 10d TO TRUSS AND (4) ¼"x1¾" SIMPSON TITEN SCREW TO CONCRETE	POST–INSTALLED, MISSING EMBEDS.
	1175#	SIMPSON HTSM16 EA TRUSS + SIMPSON HGAM AT 48"O.C.	(8) 10d TO TRUSS AND (4) ¼"x1¾" SIMPSON TITEN SCREW TO CONCRETE	POST–INSTALLED, MISSING EMBEDS.
SINGLE OR MULTI PLY	3330#	SIMPSON MGT	(22) 10dx1½" LONG	NOTE 2
DBL PLY	2150#	SIMPSON LGT2	(16) 1Gd SINKERS	POST–INSTALLED, NOTE 4
	10980#	SIMPSON HGT–2	(16) 10d	NOTE 3
DBL OR TPL PLY, CMU	1900#	(2) SIMPSON META12	(14) 16d	NOTE 1
	2500#	(2) SIMPSON HETA12	(12) 16d	NOTE 1
DBL OR TPL PLY, CONCRETE	2565#	(2) SIMPSON META12	(14) 16d	NOTE 1
	2700#	(2) SIMPSON HETA12	(12) 16d	NOTE 1
	3350#	(2) SIMPSON HHETA12	(14) 16d	NOTE 1
TPL PLY	3285#	SIMPSON LGT3–SDS2.5	(12) SDS ¼"x2½" LONG	POST–INSTALLED, NOTE 5
	10530#	SIMPSON HGT–3	(16) 10d	NOTE 3
QUAD PLY	9250#	SIMPSON HGT–4	(16) 10d	NOTE 3
MULTI PLY	1450#	SIMPSON META12	(6) 16d	–
	1520#	SIMPSON HETA12	(7) 16d	–
	1810#	SIMPSON HETA16	(8) 16d	–

NOTES:
1. FOR (2) CONNECTORS: (A) THE NAILS SHALL NOT BE DRIVEN IN CONFLICT WITH EACH OTHER OR THE SECOND CONNECTOR, AND (B) STRAPS SHALL NOT OVERLAP THE 2ND CONNECTOR.
2. FASTENER TO CMU/CONCRETE: (1) ⅜" ALL–THREAD BOLT W/ SIMPSON SET EPOXY–TIE ADHESIVE W/ 12" MIN. EMBED DEPTH
3. FASTENER TO CMU/CONCRETE: (2) ½" ALL–THREAD BOLT W/ SIMPSON SET EPOXY–TIE ADHESIVE W/ 12" MIN. EMBED DEPTH
4. FASTENER TO CMU WALL: (7) ¼"x2½" LONG SIMPSON TITEN SCREW
FASTENER TO CONCRETE WALL: (7) ¼"x1¾" SIMPSON TITEN SCREW
5. FASTENER TO WALL: (4) ⅜"x5" LONG SIMPSON TITEN HD

11. TRUSS TO FRAME CONNECTION NOTES

11.1 ROOF TRUSSES: USE SIMPSON H10A OR H10–2 AT EACH TRUSS WHERE POSSIBLE. PROVIDE ADDITIONAL TIE–DOWNS FOR UPLIFTS IN EXCESS OF GIVEN ALLOWABLE VALUES. WHERE H10 OR H10–2 CANNOT BE USED (E.G. 3–PLY GIRDERS, CORNERS, ETC.) USE SIMPSON H2.5 PLUS ADDITIONAL TIE–DOWNS AS REQUIRED TO MEET UPLIFT LOADS.
11.2 FLOOR TRUSSES: USE SIMPSON 2.5 AT EACH TRUSS (WITH OR WITHOUT UPLIFT) WHERE POSSIBLE. PROVIDE ADDITIONAL TIE–DOWNS AS REQUIRED TO MEET UPLIFT LOADS.

12. EXTERIOR CEILINGS NOTES

12.1 ENTRY/LANAI/CABANA CEILINGS (AREAS EXPOSED TO WIND): PROVIDE 2X4 BLOCKING AT 48" O.C. AT THE BOTTOM CHORD OF ALL TRUSSES. PROVIDE ⅜" EXTERIOR GRADE DRYWALL OR ¼" EXTERIOR GRADE PLYWOOD WITH 8d NAILS AT 8" O.C. FIELD/4" O.C. EDGES.

13. WALL SECTION NOTES

13.1 INSTALLATION OF LATH SHALL MEET THE REQUIREMENTS OF SECTION R703.7.1 OF THE FBC 7TH EDITION (2020) RESIDENTIAL.
13.2 PLASTERING WITH PORTLAND CEMENT PLASTER MEET SHALL MEET THE REQUIREMENTS OF SECTION R703.7.2 OF THE FBC 7TH EDITION (2020) RESIDENTIAL.
13.3 INSTALLATION OF WEEP SCREEDS SHALL MEET THE REQUIREMENTS OF SECTION R703.7.2.1 OF THE FBC 7TH EDITION (2020) RESIDENTIAL.
13.4 INSTALLATION OF WATER RESISTIVE BARRIER SHALL MEET THE REQUIREMENTS OF SECTION R703.7.3 OF THE FBC 7TH EDITION (2020) RESIDENTIAL.
13.5 INSTALLATION OF FLASHING SHALL MEET THE REQUIREMENTS OF SECTION R703.4 OF THE FBC 7TH EDITION (2020) RESIDENTIAL.

14. WATERPROOFING NOTES

14.1 ALL WATERPROOFING, FLASHING, & MOISTURE PROTECTION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR

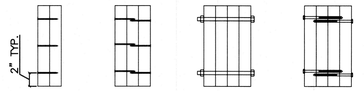
POST UPLIFT ANCHORS – MASONRY/CONCRETE

POST ANCHORS TO MASONRY OR CONCRETE SHALL BE AS FOLLOWS
(REFER TO SIMPSON 2009–2010 CATALOG #C–2009)
OTHER BRANDS OF CONNECTORS MAY BE SUBSTITUTED IF BOTH UPLIFT AND LATERAL LOAD CAPACITIES ARE EQUAL OR GREATER THAN CONNECTORS SPECIFIED

MINIMUM POST THICKNESS	NOMINAL UPLIFT CAPACITY FOR SYP OR BTR	CONNECTOR TYPE	FASTENER TO POST FOR NOMINAL UPLIFT	ANCHOR BOLT DIAMETER
1½"	1310#	SIMPSON LTT19	(8) 10dx1½" LONG NAILS	½", ⅝" OR ¾"
	1350#	SIMPSON LTTI31	(18) 10dx1½" LONG NAILS	⅝"
	3610#	SIMPSON HTT4	(18) 10dx1½" LONG NAILS	⅝"
	4350#	SIMPSON HTT5	(26) 10dx1½" LONG NAILS	⅝"
	2405#	SIMPSON HD5	(2) ¾" DIAM STUD BOLTS	⅝" OR ¾"
2½"	3955#	SIMPSON HTT16	(18) 16dx2½" LONG NAILS	⅝"
	4235#	SIMPSON HTT4	(18) 16dx2½" LONG NAILS	⅝"
	5090#	SIMPSON HTT5	(26) 16dx2½" LONG NAILS	⅝"
	3835#	SIMPSON HD5	(2) ¾" DIAM STUD BOLTS	⅝" OR ¾"
3"	4165#	SIMPSON HTT22	(32) 10d NAILS	⅝"
	4670#	SIMPSON HTT5	(26) 10d NAILS	⅝"
	6480#	SIMPSON HD5	(3) ⅞" DIAM STUD BOLTS	⅞" OR 1"
3½"	5010#	SIMPSON HD5	(2) ¾" DIAM STUD BOLTS	¾"
	6480#	SIMPSON HD7	(3) ⅞" DIAM STUD BOLTS	⅞" OR 1"
	10330#	SIMPSON HD9	(3) 1" DIAM STUD BOLTS	⅞" OR 1"
	11350#	SIMPSON HD12	(4) 1" DIAM STUD BOLTS	1"

NOTES
- ½" DIAMETER A307 ALL THREAD SET IN ⅝" DIAMETER HOLE W/ SIMPSON SET EPOXY, MIN EMBED 5"
- ⅝ DIAMETER A307 ALL THREAD SET IN ¾" DIAMETER HOLE W/ SIMPSON SET EPOXY, MIN EMBED 8"
- ¾" DIAMETER A307 ALL THREAD SET IN ⅞" DIAMETER HOLE W/ SIMPSON SET OR EQUAL, MIN EMBED 6".
- 1" DIAMETER A307 ALL THREAD SET IN 1⅛" DIAMETER HOLE W/ SIMPSON SET OR EQUAL, MIN EMBED 9".

MULTIPLE MEMBER CONNECTIONS FOR 1.9E MICROLLAM LVL BEAMS (SYP SIMILAR)



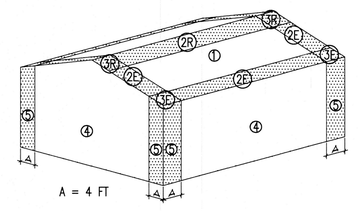
2 PIECES – 1½" WIDE:
- MINIMUM (2) ROWS OF 12d NAILS AT 12" O.C. FOR MEMBERS LESS THAN 14" DEEP
- MINIMUM (3) ROWS OF 12d NAILS AT 12" O.C. FOR MEMBERS GREATER THAN 14" DEEP

3 PIECES – 1½" WIDE:
- (3) ROWS OF 12d NAILS AT 12" O.C.; OR
- (2) ROWS OF ½" BOLTS AT 12" O.C.; OR
- (2) ROWS OF ¼" X 3½" LAG SCREWS AT 12" O.C.

4 PIECES – 1½" WIDE:
- (2) ROWS OF ½" BOLTS AT 12" O.C.; OR
- (2) ROWS OF ¼" X 3½" LAG SCREWS AT 12" O.C.

GENERAL NOTES:
- A307 BOLTS WITH WASHERS REQUIRED. BOLT HOLES TO BE ⅛" MAXIMUM.
- SCREWS MUST HAVE SELF–DRILLING TIP AND MINIMUM BENDING YIELD STRENGTH OF 217,000PSI.
- 6" LONG SCREWS REQUIRED.
- CONNECTION INSTRUCTIONS ON PLAN SUPERSEDE PRECEDING.

ROOF AND WALL ZONES FOR COMPONENTS AND CLADDING WIND PRESSURES



15. DRAFT STOP NOTES

15.1 DRAFTSTOPPING SHALL BE PROVIDED IN FLOOR FRAMING PER 2020 FBC R302.12 SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1000SF
A. 1/2" GYPSUM BOARD OR
B. 3/8" WOOD STRUCTURAL PANELS
C. INSTALL PARALLEL TO FLOOR FRAMING MEMBERS

DESIGN WIND PRESSURES FOR COMPONENTS AND CLADDING

POSITIVE PRESSURES = INWARD
NEGATIVE PRESSURES = OUTWARD (SUCTION)
ALL PRESSURE VALUES ARE IN PSF. ASD.

COMPONENT AREA (SQ. FT.)	ZONE 1
10	+30.0/–55.0
	ZONE 2E
	+30.0/–70.0
	ZONE 2R
	+30.0/–90.0
	ZONE 3E & 3R
	+30.0/–95.0
SOFFIT PRESSURE	ZONE 2E
	+42.2/–45.9
	ZONE 3
	+42.2/–56.6

16. ABBREVIATIONS

ABV. ABOVE
A.F.F. ABOVE FINISHED FLOOR
A.O.R. ANGLE OF REPOSE
C.M.U. CONCRETE MASONRY UNIT
E.O.R. ENGINEER OF RECORD
F&P FORMED & POURED
MANF. MANUFACTURER
MAX. MAXIMUM
MYE MCCALL & YOUNG ENGINEERING, LLC
O.C. ON CENTER
O.D. OUTER DIAMETER
OPG. OPENING
PLF POUNDS PER LINEAR FOOT
REINF. REINFORCING STEEL
REQ'S REQUIREMENTS
SIM. SIMILAR
STD. STANDARD
SS STAINLESS STEEL
STL. STEEL
T.O.C. TOP OF CONCRETE
T.O.P. TOP OF PLATE
U.N.O. UNLESS NOTED OTHERWISE
W/ WITH

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS FOR THIS RESIDENCE COMPLY WITH THE APPLICABLE STRUCTURAL PROVISIONS OF THE 2020 EDITION OF THE FLORIDA BUILDING CODE, RESIDENTIAL (FBC–R), 7TH EDITION.

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McCALL ENGINEERING, LLC
Structural Engineering

JAMES L. McCALL LICENSE No. 84555 STATE OF FLORIDA PROFESSIONAL ENGINEER

A CUSTOM HOME DESIGN FOR:
6830 LONGBOAT DRIVE
LONGBOAT KEY, FLORIDA

STRUCTURAL NOTES

ENGINEER
JAMES L. MCCALL
PE# 84555

DATE ISSUED
JLM | 08/23/2021

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BLDG PERMIT PLANS FILE Copy of Record

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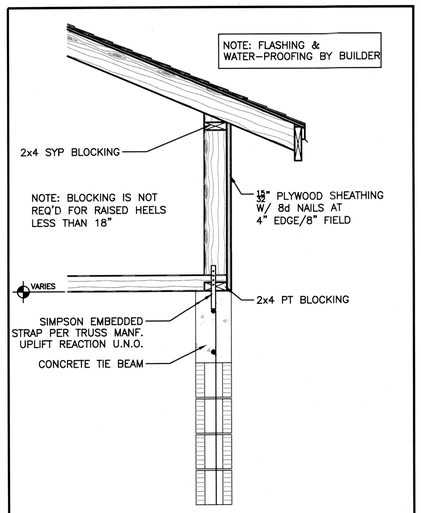
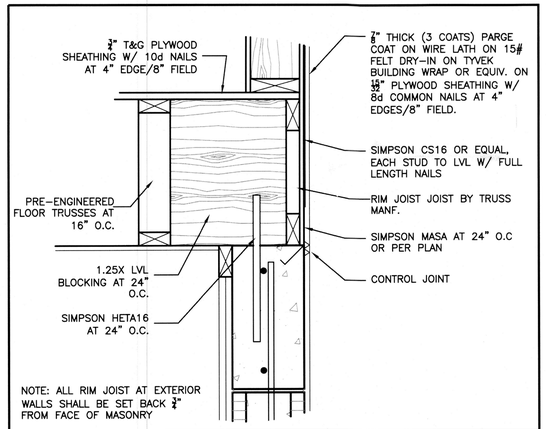
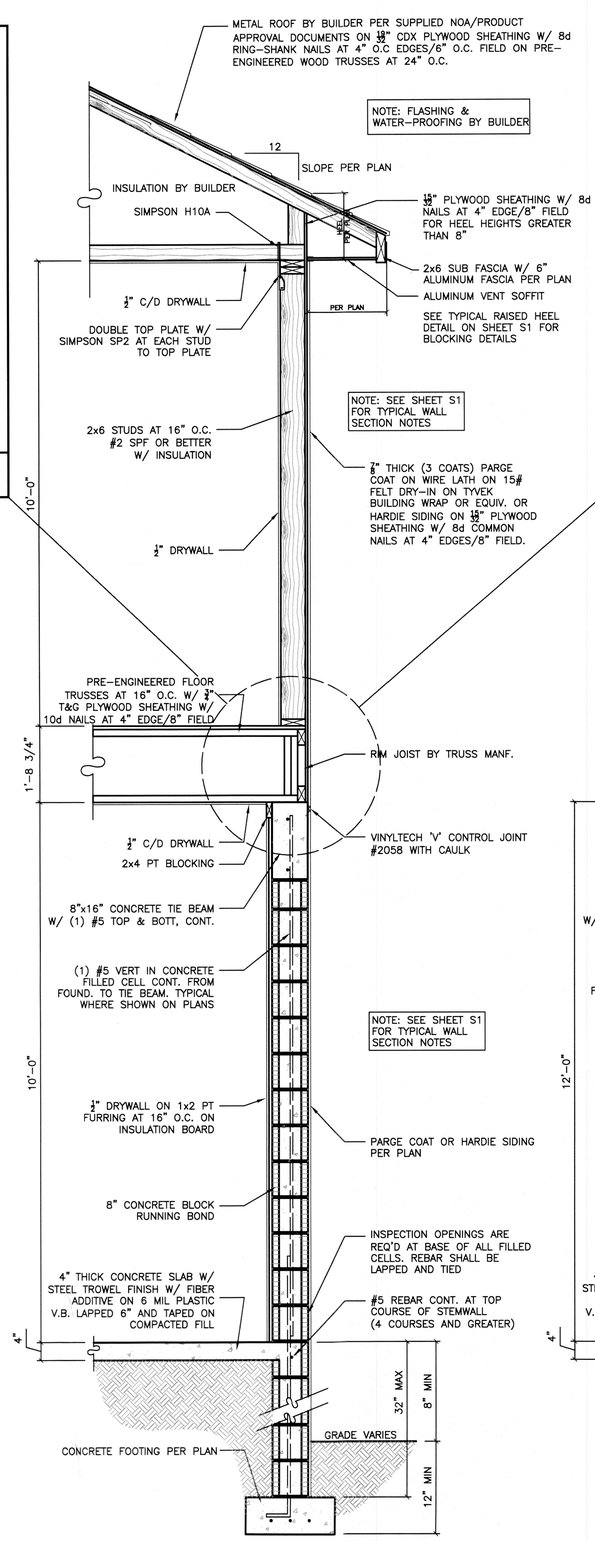
TOWN OF LONGBOAT KEY
Planning, Zoning & Building



TYPICAL RAISED HEEL DETAIL

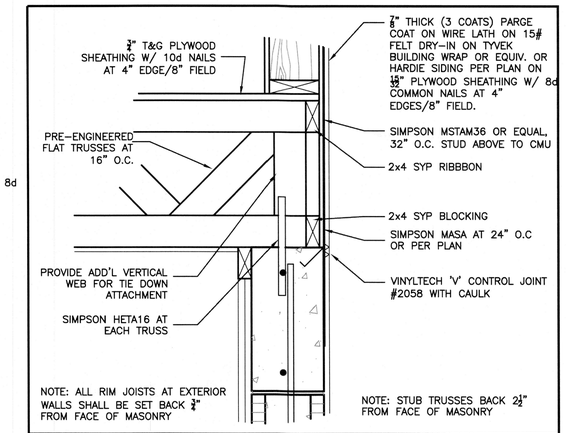


TRUSSES PARALLEL TO WALL

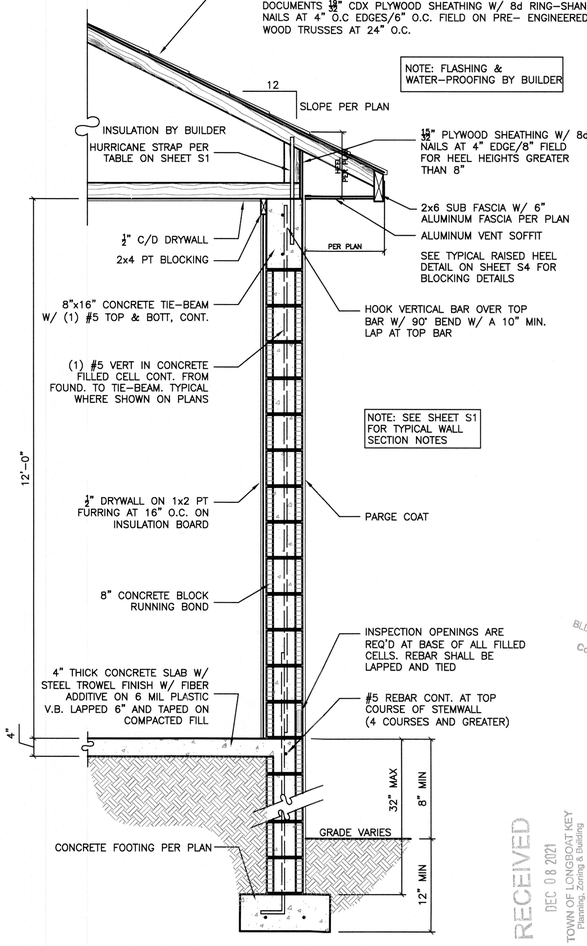


TYPICAL TWO STORY WALL SECTION

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



TRUSSES PERPENDICULAR TO WALL



TYPICAL ONE STORY WALL SECTION

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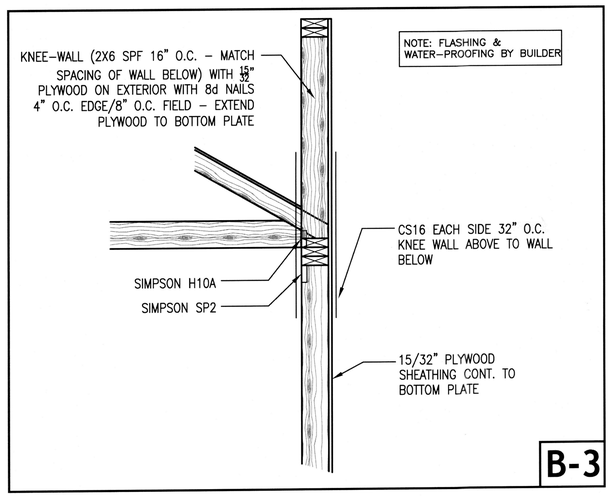

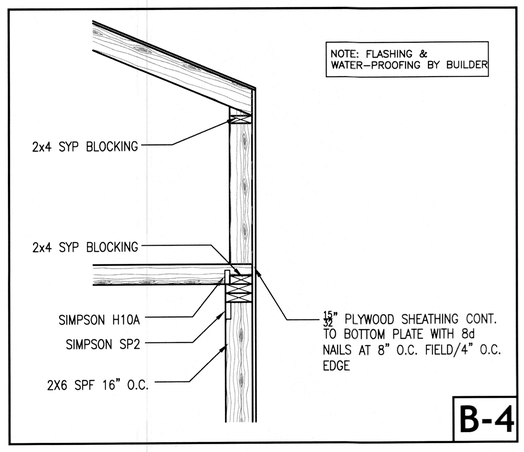

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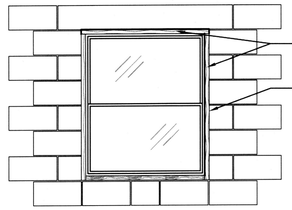
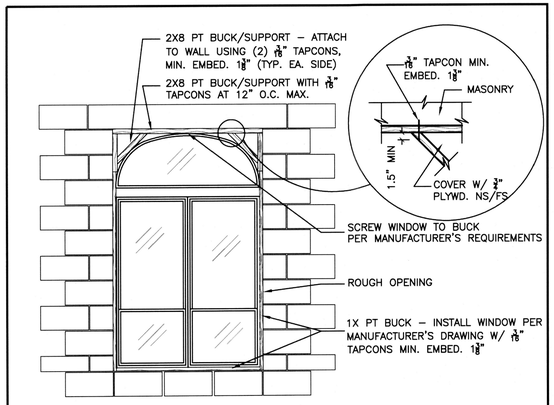
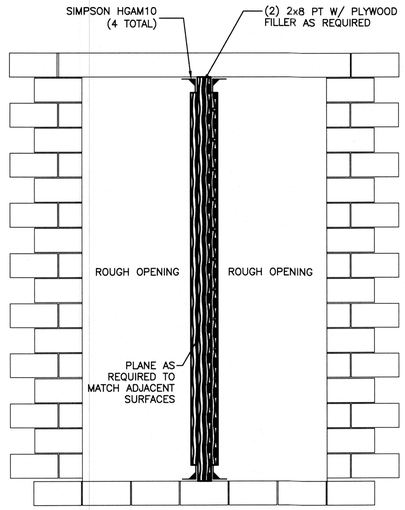


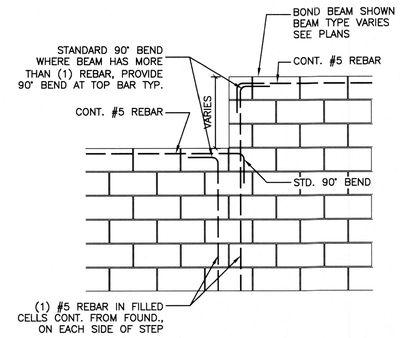
TYPICAL WINDOW DETAIL **A**



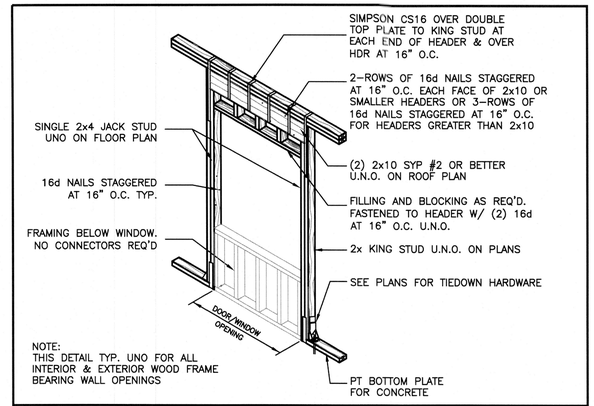
ELLIPTICAL WINDOW DETAIL **B**



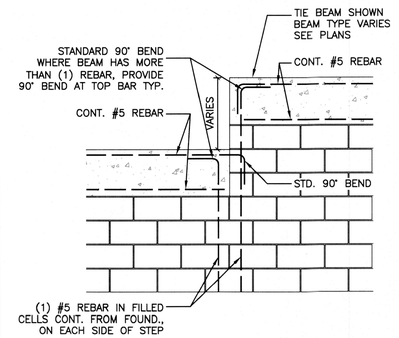
VERT. WINDOW MULLION **F**



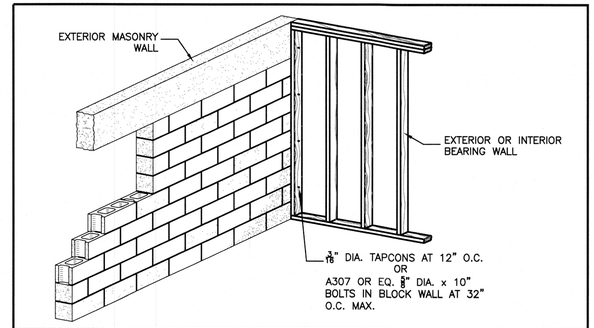
BOND BEAM STEP



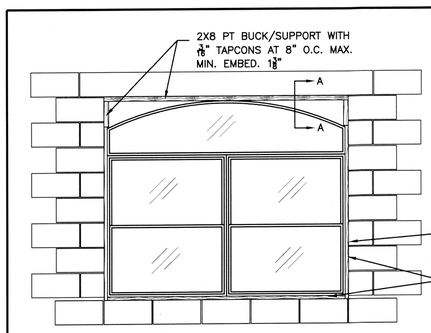
BEARING WALL HEADER DETAIL



TIE BEAM STEP



MIXED CONSTRUCTION DETAIL



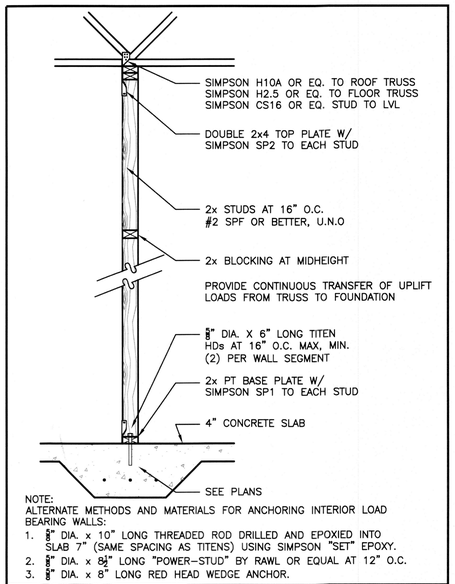
EYEBROW WINDOW DETAIL **C**

1. WINDOW/DOOR INSTALLATION

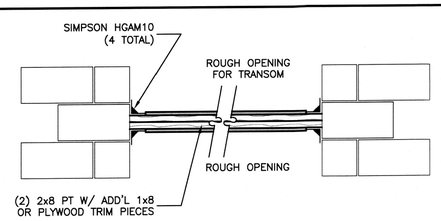
1.1 SEE MANUFACTURER'S DRAWINGS FOR DETAILS AND SPACING OF TAPCONS/BOLTS.
1.2 DETAILS B OR C MAY BE USED FOR FAN/HALF CIRCLE WINDOWS U.N.O.
1.3 PRECAST WINDOW SILLS SHALL BE WIND RESISTANT PRECAST WINDOW SILLS AS MANUFACTURED BY CASTCRETE OR EQ.
1.4 WINDOW DETAILS B AND C MAY BE USED INTERCHANGEABLY AND AT SILL FOR ROUND OR OVAL WINDOWS.
1.5 WOOD FILLER MAY BE USED AS REQUIRED TO MAINTAIN 1/4" GAP OR LESS AT CORNER OF ROUND AND SQUARE WINDOWS.

2. GENERAL CONNECTIONS NOTES

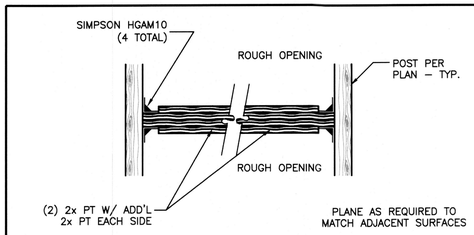
2.1 CONNECTIONS SHOWN ON SHEET S2 ARE RECOMMENDED.
2.2 OTHER CONNECTORS MAY BE SUBSTITUTED AS LONG AS THEY MEET OR EXCEED UPLIFTS AND LATERAL CAPACITY OF THE ANCHORS SPECIFIED AND SATISFY TRUSS LAYOUT REQUIREMENTS COMPLIANCE WITH USP, SIMPSON OR OTHER MANUFACTURER'S REQUIREMENTS.



INTERIOR BEARING WALL DETAIL



WOOD HEADER BEAM DETAIL **D**



WOOD HEADER BEAM DETAIL **W-5**

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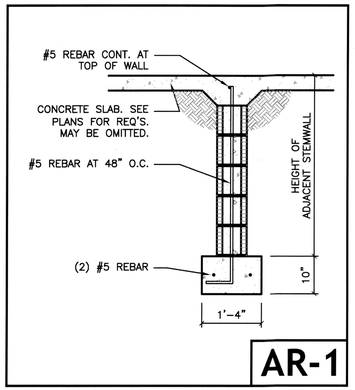
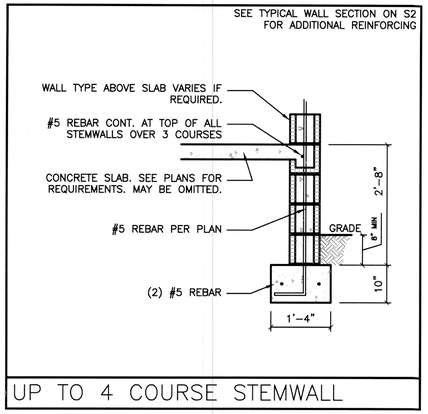
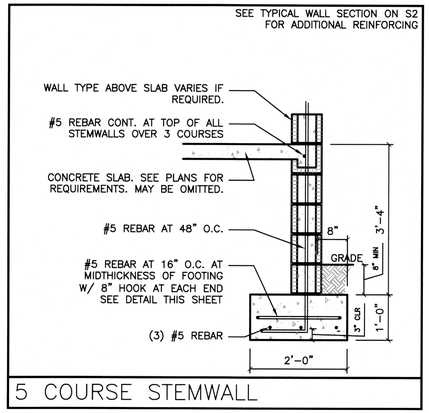


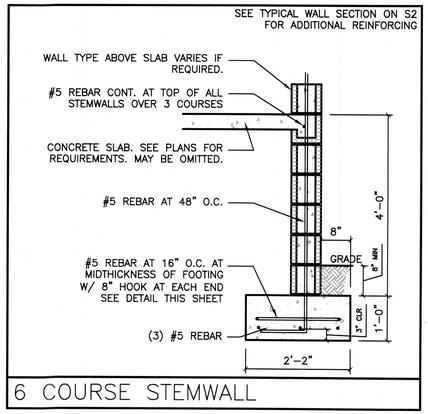
AR-1



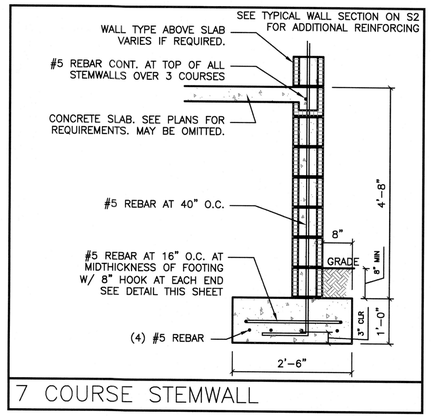
UP TO 4 COURSE STEMWALL



5 COURSE STEMWALL



6 COURSE STEMWALL



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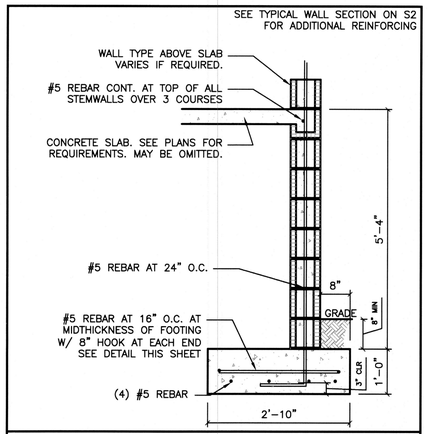

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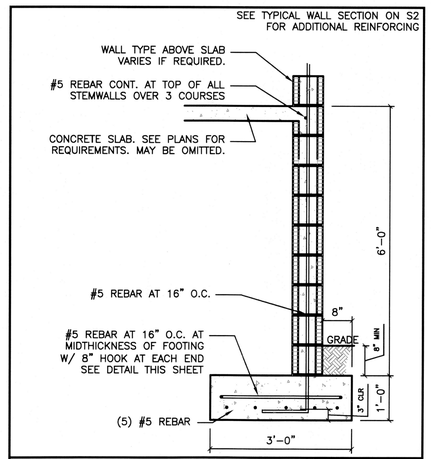

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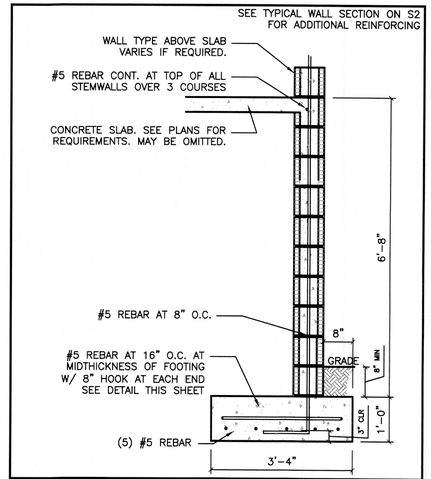

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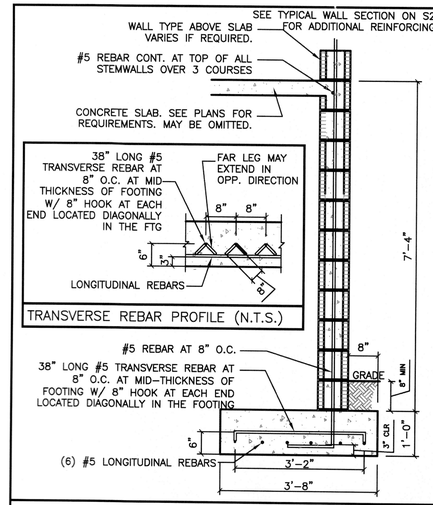
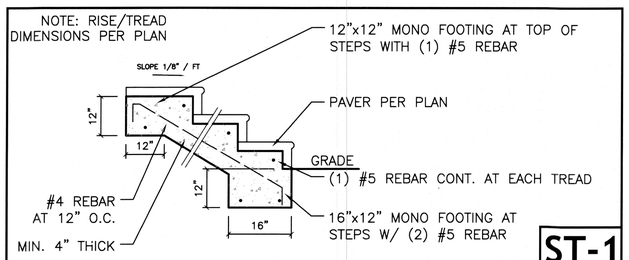
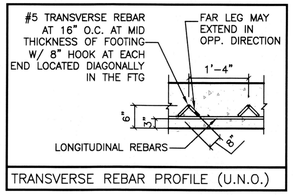


TRANSVERSE REBAR PROFILE (N.T.S.)

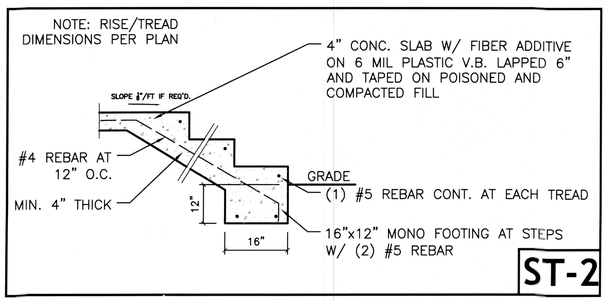
11 COURSE STEMWALL



ST-1



TRANSVERSE REBAR PROFILE (U.N.O.)



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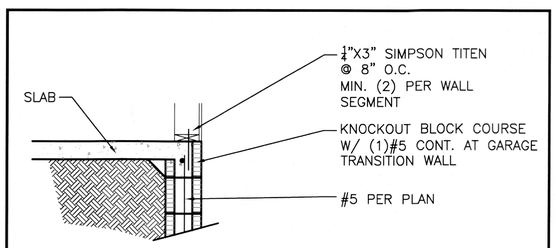

GARAGE TRANSITION

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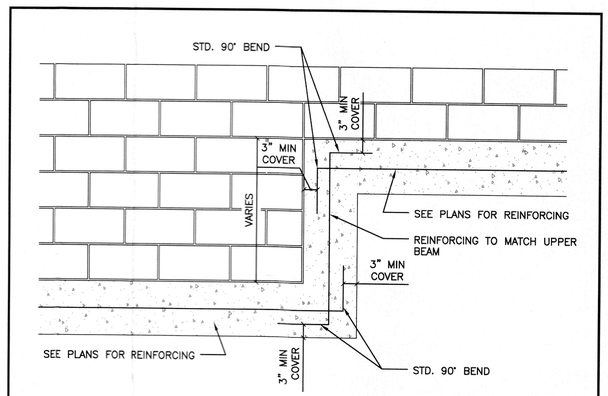

FOOTER STEP DETAIL

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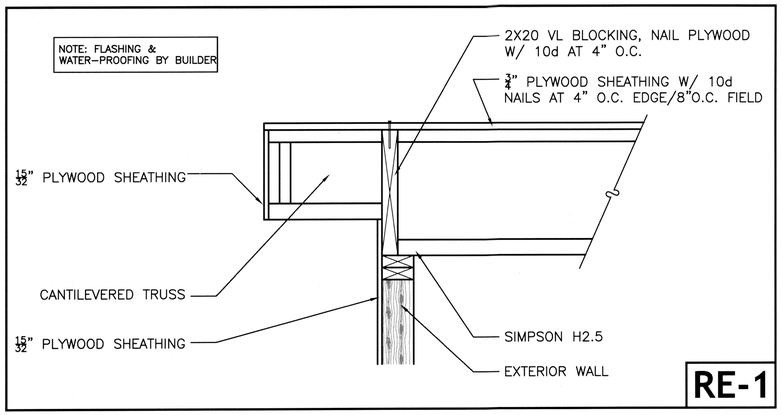

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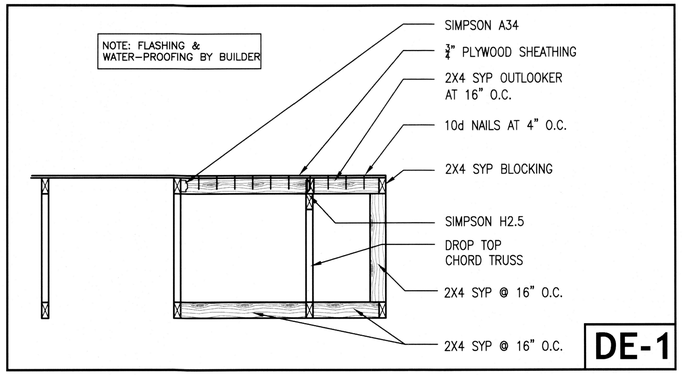

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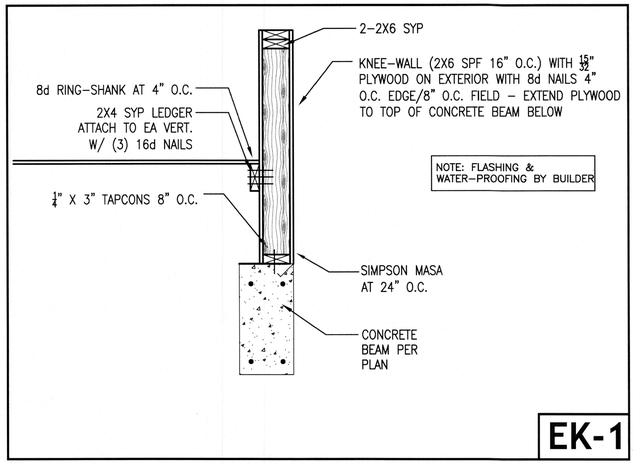

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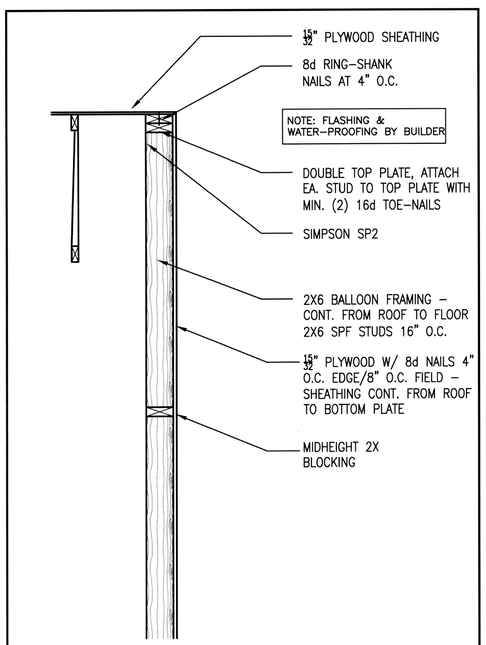
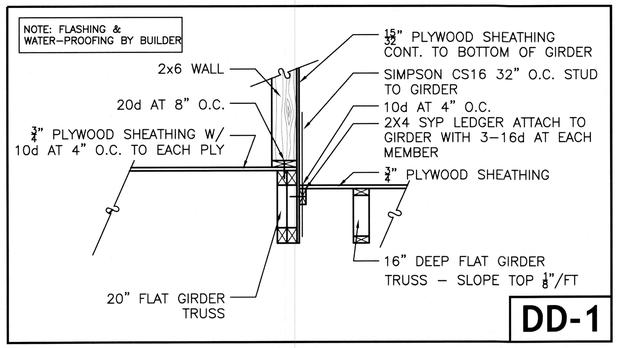


BALLOON FRAME WALL **B-5**



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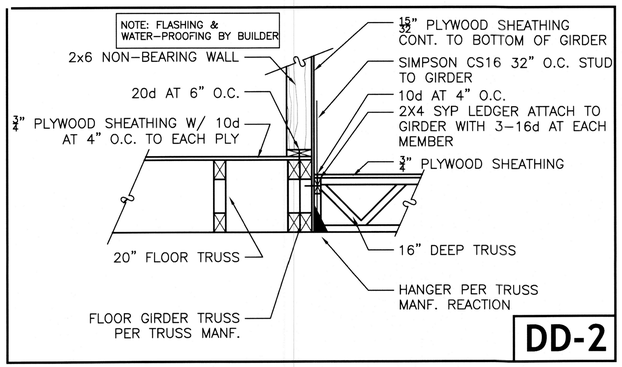

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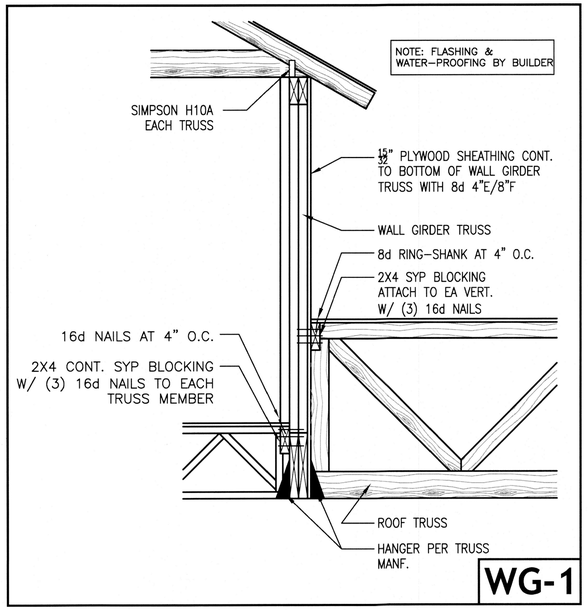

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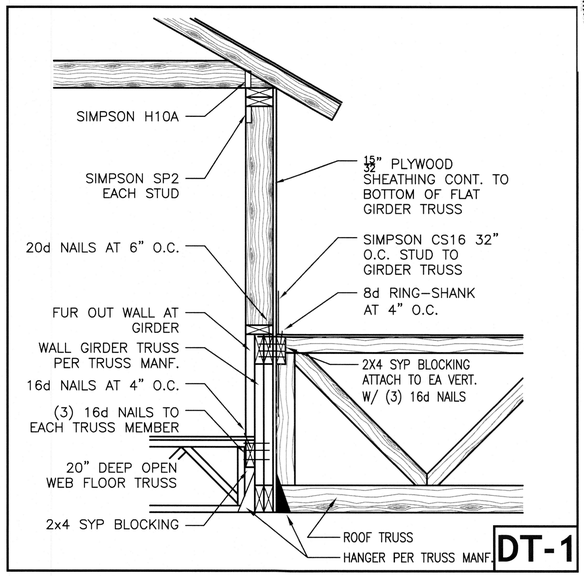

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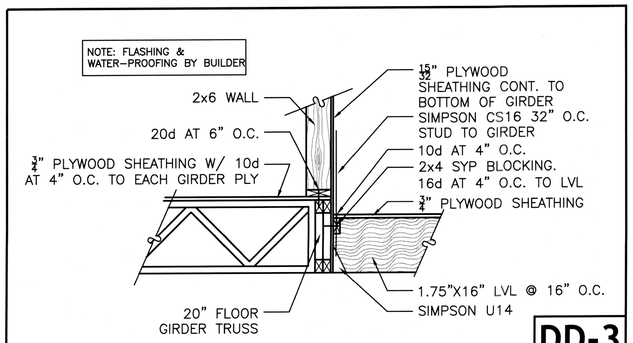

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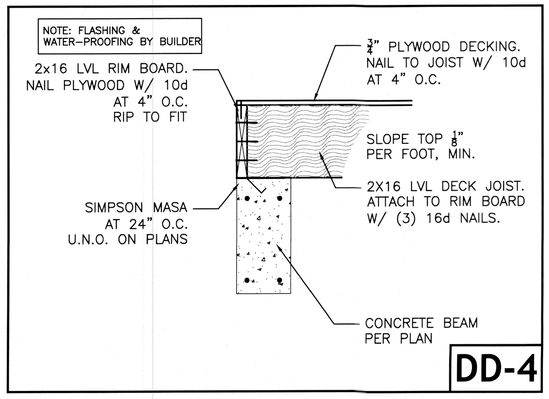

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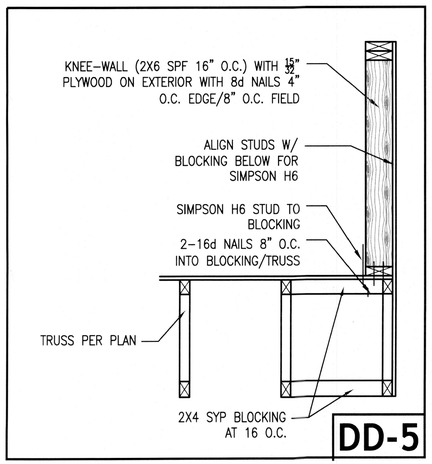

DD-5

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JAMES L. McCALL LICENSE No. 84555 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGN FOR:
A CUSTOM HOME
6830 LONGBOAT DRIVE
LONGBOAT KEY, FLORIDA

STRUCTURAL DETAILS

ENGINEER
JAMES L. McCALL
PE# 84555

DATE ISSUED
JLM | 08/23/2021

REVISIONS

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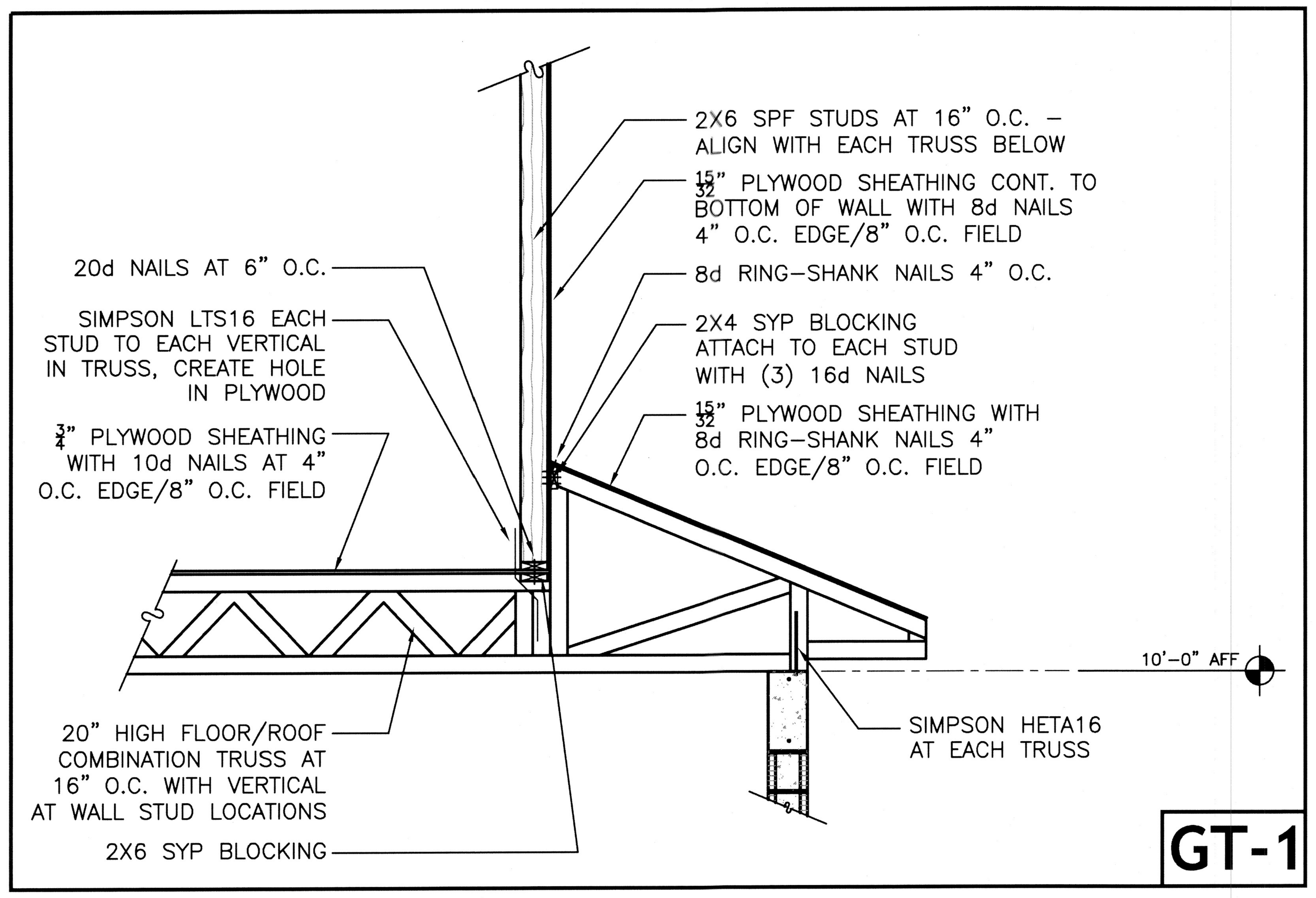
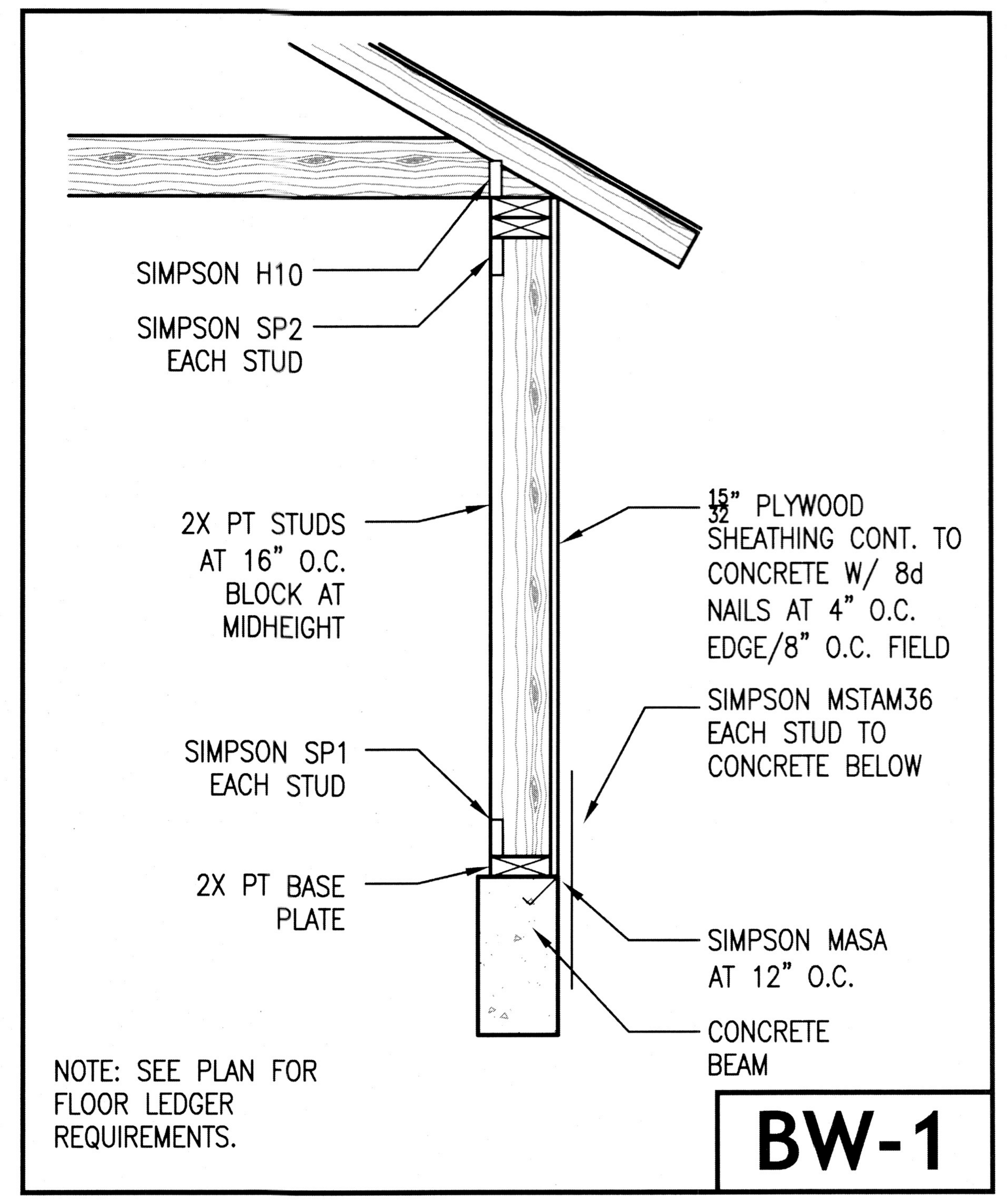
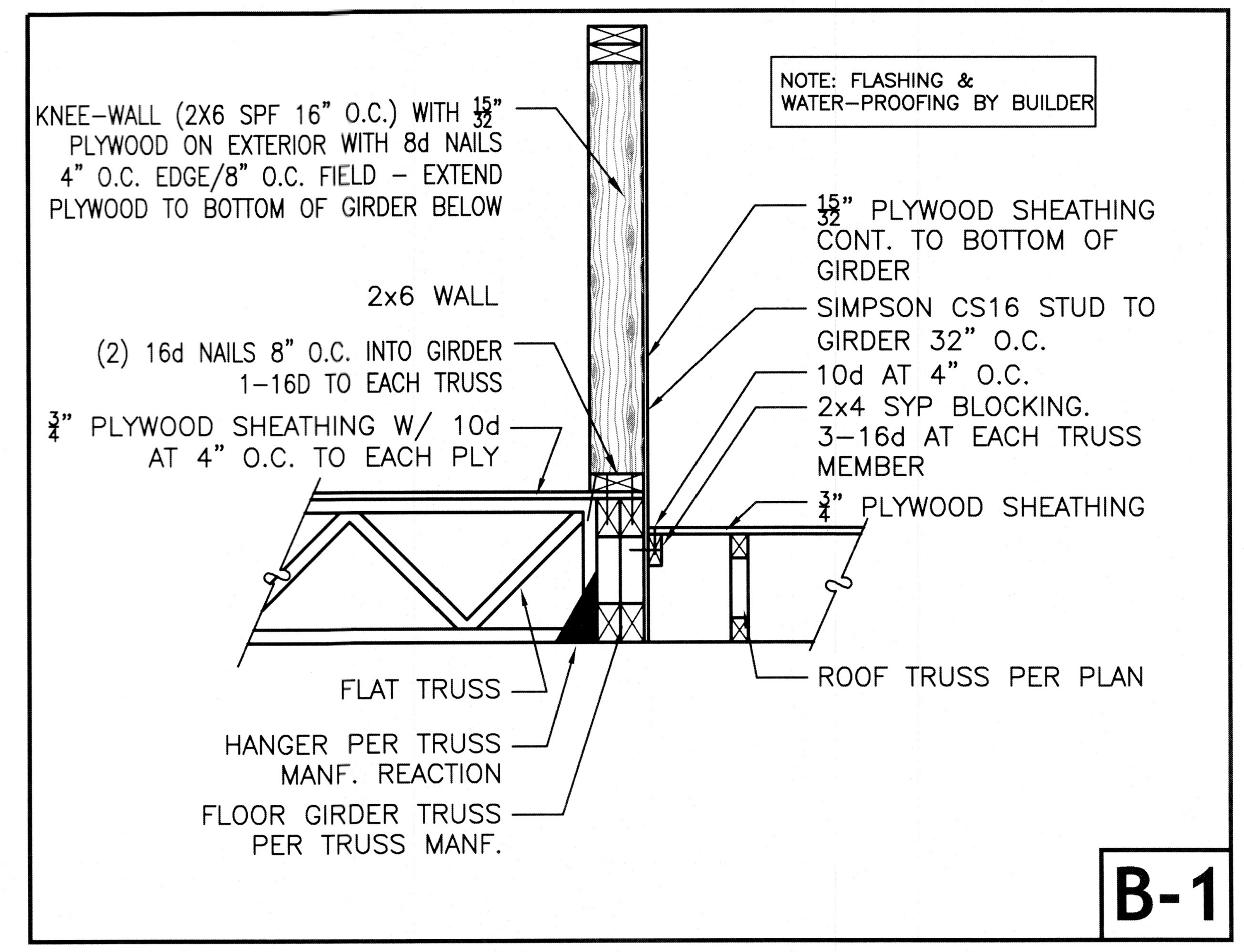
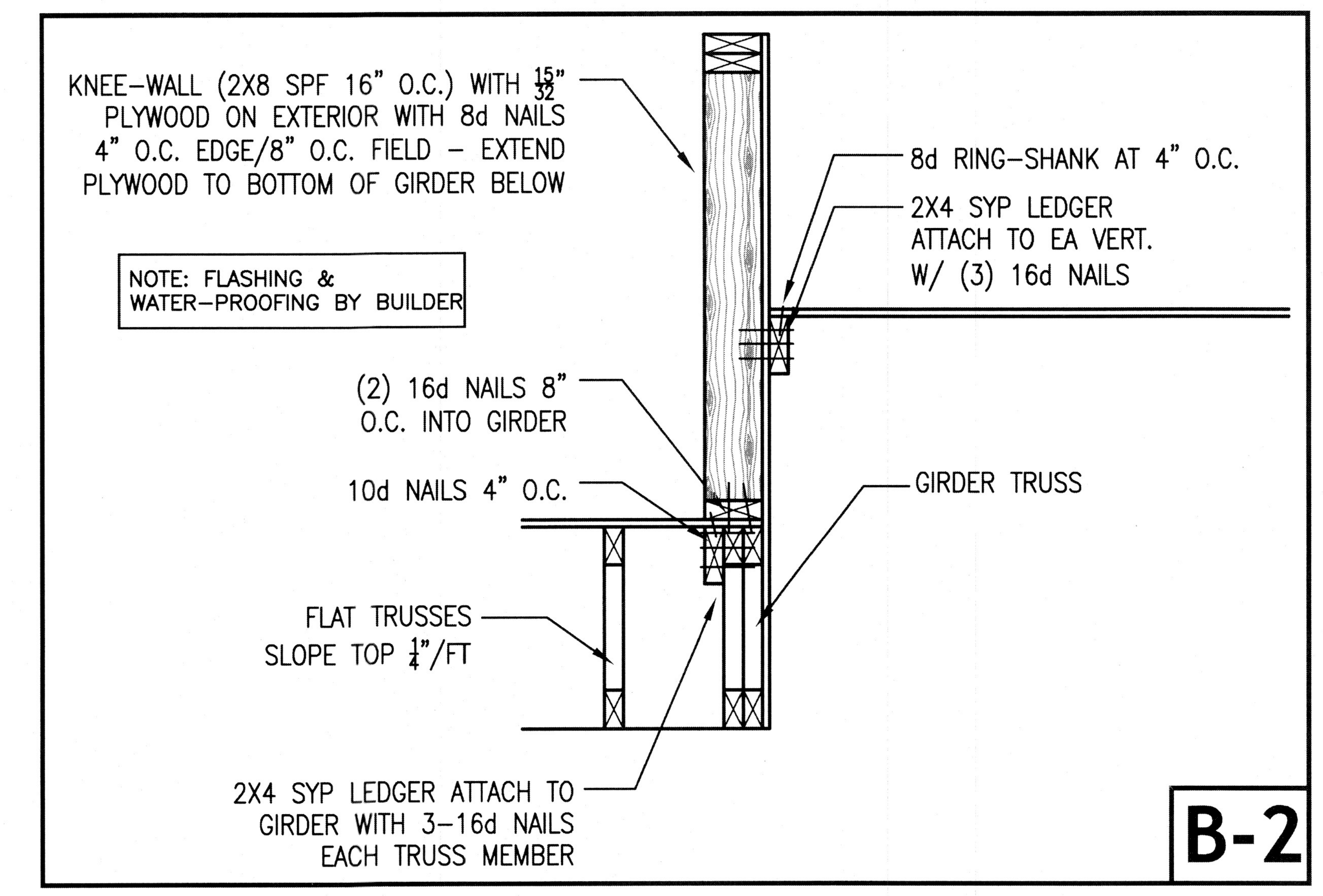
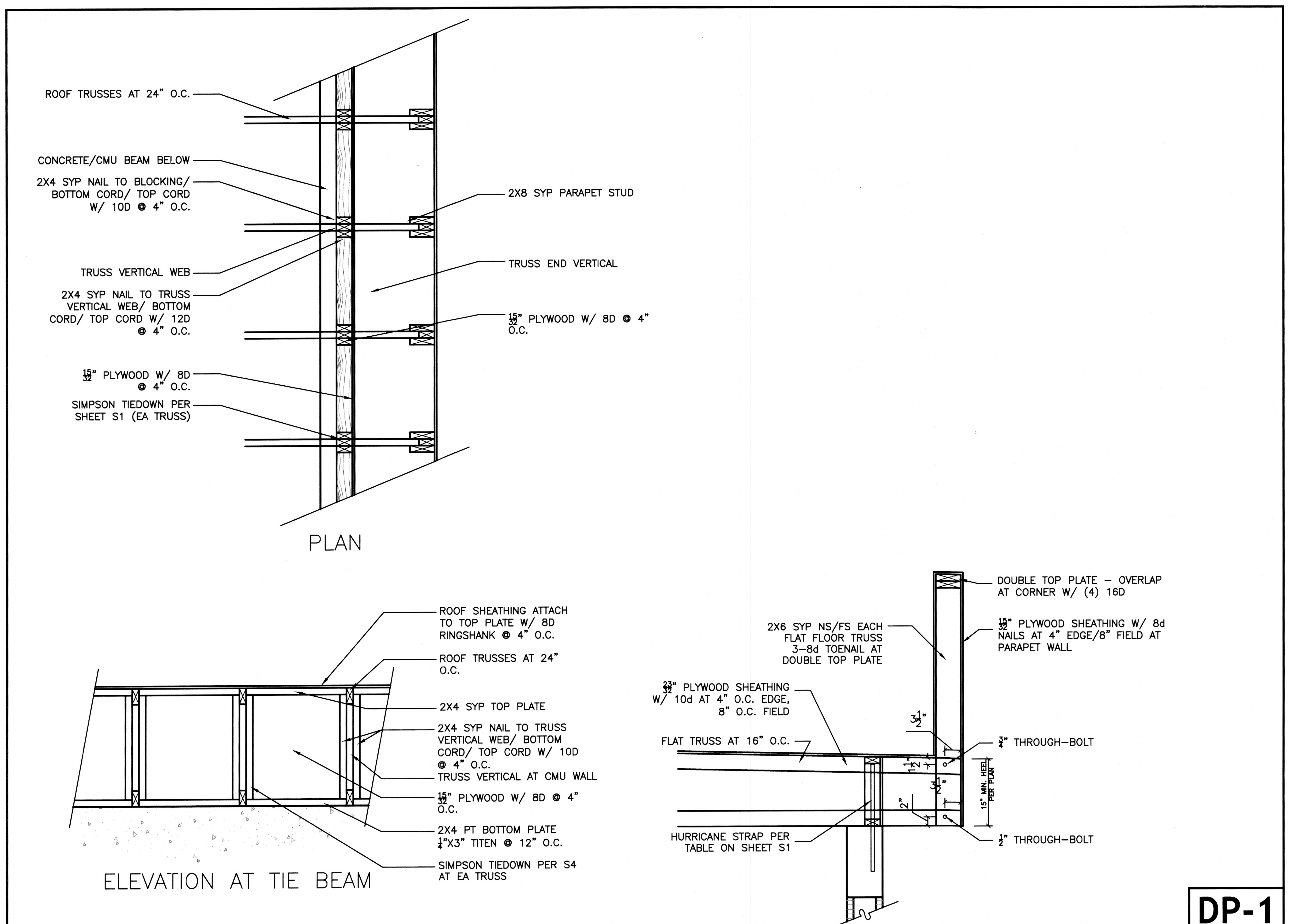
S5











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