

Lot Coverage	
Lot	6908 sf
House	1990 sf 28.81%
Elevated Stairs	61 sf
Total	2051 sf 29.69%
Pool Equip Pads	48 sf
Walkway	81 sf
Drive (To P.L.)	345 sf
Total	474 sf
Total Impervious	2525 sf 36.55%
Future Pool	908 sf
Total Impervious	3433 sf 49.69%

James L McCall

Digitally signed by James L McCall  
 DN: c=US, o=Unaffiliated, ou=A01410C00000170F9EA1FAD00012DBF, cn=James L McCall  
 Date: 2021.11.30 15:51:45 -05'00'

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NPDES

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8/21-1012

RECEIVED  
 BLDG PERMITS DIVISION  
 TOWN OF LONGBOAT KEY  
 DECEMBER 01 2021  
 Building Department

Site Plan  
 Scale 1" = 10'-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.

LOT 110

McCall Engineering  
 1001 S. 1st Street  
 Ft. Lauderdale, FL 33304  
 PH: 954.561.0105 FAX: 954.561.0106



A Residence For  
**Lot 110**  
 6810 Longboat Drive, Longboat Key, Florida

Milano Homes Construction  
 32 S. Osprey Ave. Suite 203  
 Sarasota, Florida 34236  
 941-954-0355

Revisions
4-22-21
5-3-21
7-1, 26-21
9-3-21
10-7, 20-21
11-1-21

1  
 LOT 110

Permit # PB21-1012

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FOOTING SCHEDULE			
MARK	SIZE/TYPE	REIN.	REMARKS
F-1	10" X 16" STRIP FTG.	2-#56 CONT.	2
F-2	12" X 24" STRIP FTG.	3-#56 CONT.	2
F-3	12" X 24" STRIP FTG.	3-#56 CONT.	1
F-4	12" X 30" STRIP FTG.	4-#56 CONT.	3,5,6
F-5	12" X 16" THICK. SLAB	2-#56 CONT.	4
F-6	16" X 16" THICK. SLAB	2-#56 CONT.	4,7
F-7	8" X 8" THICK. SLAB	1-#56 CONT.	-

P-1	24" X 24" X 12" PAD	3-#56 E.V.	-
P-2	30" X 30" X 12" PAD	4-#56 E.V.	-
P-3	36" X 36" X 12" PAD	5-#56 E.V.	-
P-4	42" X 42" X 12" PAD	6-#56 E.V.	-
P-5	48" X 48" X 12" PAD	8-#56 E.V.	-
P-X	12" PAD - EXTEND 6" PAST C.M.I. ON EA. SIDE	#56 8" O.C. E.V.	-

- REMARKS:
- #5 TRANSVERSE AT FOOTING MID-THICKNESS AT 16" O.C., #5 VERTICAL @ 48" O.C. MAX.
  - STANDARD STEMMALL (MAX. 4 COURSES).
  - T-COURSE STEMMALL #5 TRANSVERSE AT FOOTING MID-THICKNESS AT 16" O.C., #5 VERTICAL AT 48" MAXIMUM. SEE SECTION ON SHEET 56.
  - ATTACH FT BOTTOM PLATE TO FOOTING WITH 1/2" X 6" LONG TITEN HDS AT 8" O.C. (MATCH STUD SPACING) AT STUD WALLS.
  - REBAR SHOWN ON PLAN IS ABOVE SLAB. SEE STEMMALL SECTIONS OF SHEET 56 FOR REBAR REQUIREMENTS BELOW SLAB.
  - O.C. TO FIELD VERIFY STEMMALL HEIGHTS.
- FOR REINFORCEMENT AND FOOTING SIZE, APPROPRIATE STEMMALL SECTION.
1. DEPTH OF FOOTING PER ELEVATOR PIT REQUIREMENTS.
- GENERAL NOTES:
- STEP STEMMALL FOOTINGS AS REQUIRED PER DETAIL ON SHEET 56.
  - ALL STEMMALLS GREATER THAN 24" POUR SOLID. (10MS IN TOP COURSE. SEE SHEET 56 FOR REINFORCEMENT AND FOOTING SIZE).
  - MONOLITHIC FOOTING DEPTH IS IN ADDITION TO 4" SLAB.
  - REINFORCEMENT IN FOOTINGS IS 3" FROM BOTTOM UNO.

STRUCTURAL SCHEDULE	
MARK	DESCRIPTION
FD-1	FOOTING TO BE AT SAME DEPTH AS ADJACENT STEMMALL FOOTINGS.

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

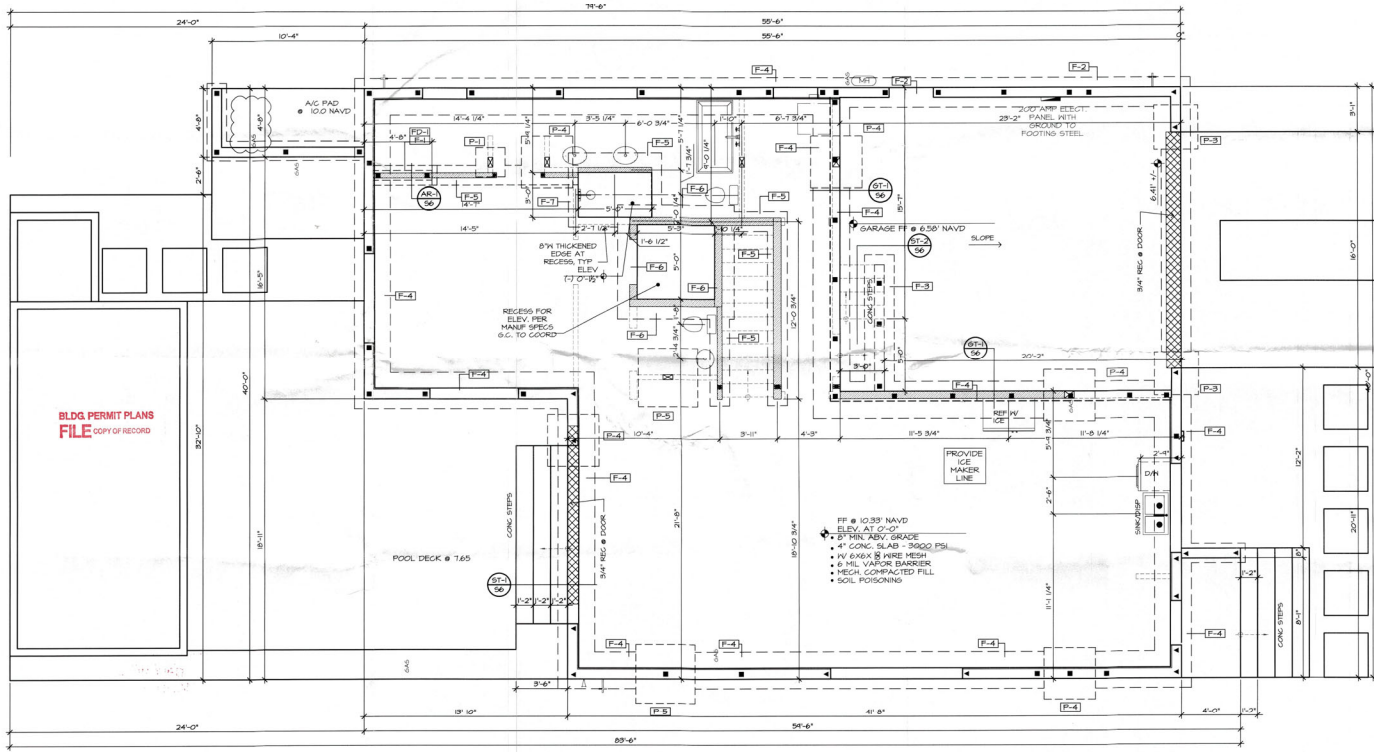
BLDG PERMIT PLANS  
FILE COPY OF RECORD

Plans Designed per the following:

- FBC R322.1.2 Structural 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



PERMIT NO: PB 21-1012  
**APPROVED**  
**REVISED PLAN**  
BY: JLM/AGC/DMR 1-26-2023

BLDG PERMIT PLANS  
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Foundation 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.

BLDG PERMIT PLANS  
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LOT 110

McCall Engineering  
1000 Energy Ct. - Lakewood Ranch, FL  
Ph: 888.999.9126

**RECEIVED**  
JAN 14 2023  
TOWN OF LONGBOAT, FLORIDA

Revisions

10-7-20-21
11-1-21
5-2-22
8-4-22
12-7-22

Permit # PB21-1012

Milano Homes Construction  
32 S. Osprey Ave. Suite 203  
Sunrise, FL 33325  
941.654.0335

**2**

LOT 110

A Residence For  
**Lot 110**  
6810 Longboat Drive, Longboat Key, Florida

**STRUCTURAL NOTES**

1. FILL ALL CELLS ABOVE PRECAST LINTELS.
2. STUB RAISED HEEL TRUSSES BACK 3" 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 2 1/2" FOR RIMBOARD, PLYWOOD AND STUCCO.
5. SEE FRAMING PLANS FOR TIMBERS AND MASONRY BEAM SIZES, DETAIL CALLOUTS, AND TRUSS TIEDOWNS.

**POST SCHEDULE**

MARK	DESCRIPTION
P-1	2-2X SFF STUDS - MATCH WALL THICKNESS
P-2	3-2X SFF STUDS W/ 1-JACK, 2-KING STUDS - MATCH WALL THICKNESS
P-3	3/4" X 3/4" VERSALAM I.B. 2T50
P-4	3/4" X 5/4" VERSALAM I.B. 2T50
P-5	3/4" X 1" VERSALAM I.B. 2T50
P-6	5/4" X 5/4" VERSALAM I.B. 2T50
P-7	5/4" X 1" VERSALAM I.B. 2T50
P-8	3-2X SFF STUDS - MATCH WALL THICKNESS
P-9	4-2X SFF STUDS W/ 2-JACK, 2-KING STUDS - MATCH WALL THICKNESS

**CONNECTOR SCHEDULE**

MARK	DESCRIPTION
C-1	1-SIMPSON LTTN WITH 3" ALL-THREAD DRILLED & EPOXIED 4" INTO FOOTING BELOW WITH SIMPSON SET EPOXY
C-2	1-SIMPSON HTTS WITH 3" ALL-THREAD DRILLED & EPOXIED 2" INTO FOOTING BELOW WITH SIMPSON SET EPOXY
C-3	1-SIMPSON M5TCH40 TO CMU WALL BELOW

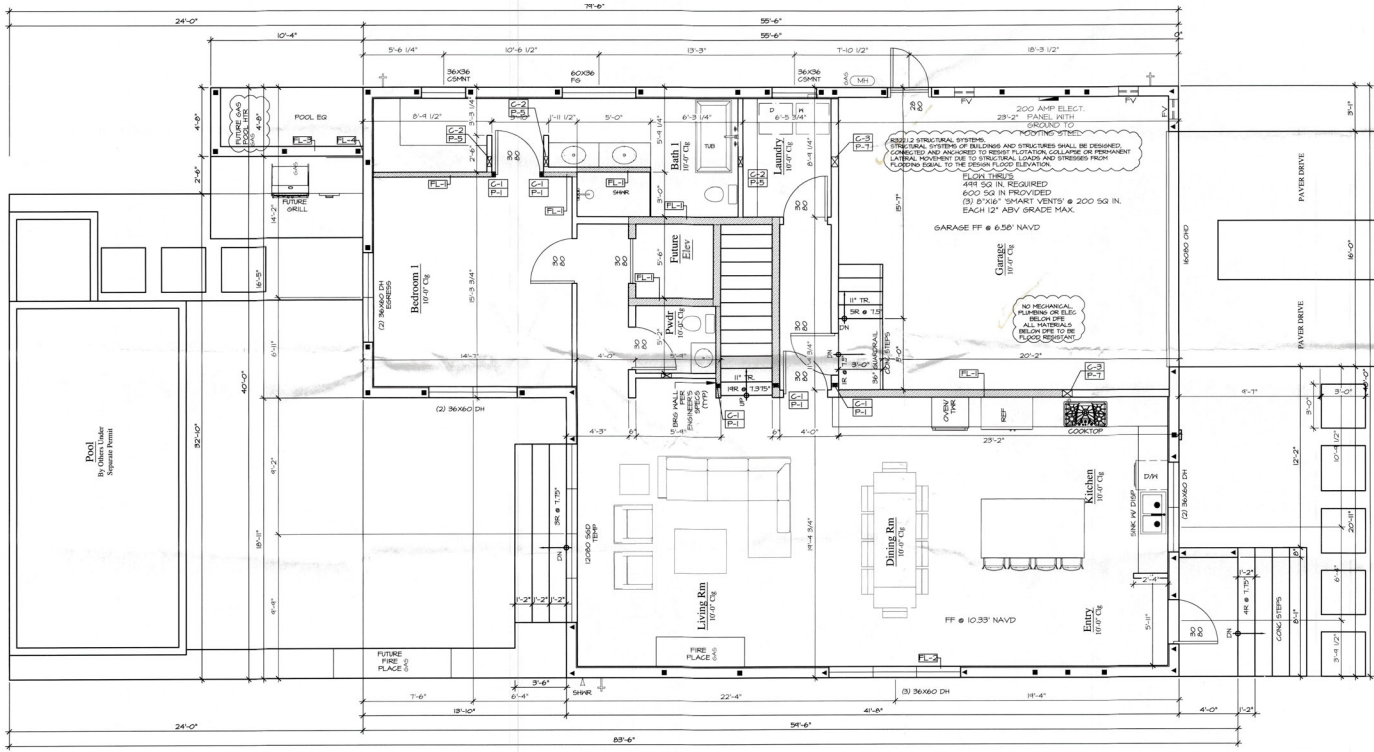
**STRUCTURAL SCHEDULE**

MARK	DESCRIPTION
FL-1	LOAD BEARING WALL 2X SFF 16" O.C. - TOP AT 10'-0" AFF
FL-2	#5 HORIZONTAL IN FILLED COURSE AT TOP OF WINDOW SILL
FL-3	#5 HORIZONTAL IN FILLED COURSE AT TOP OF UTILITY WALL
FL-4	INTERLACE CMU AT WALL AND HOUSE

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McCall Engineering  
 10000 S.W. 11th Street, Suite 100  
 Fort Lauderdale, FL 33325  
 PH: 954.999.9126 FAX: 954.999.9128



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

**Area**

1st Living	1,458
2nd Living	1,308
Total Living	2,766
Covered Entry	33
Garage	499
Front Balcony	592
M. Rear Balc.	165
Bed 2 Balc.	56
3rd Level Open Balc	444
Total	1,789
Grand Total	4,555

**1st Floor 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 BLDG. PERMIT PLANS

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LOT 110

**A Residence For Lot 110**  
 6810 Longboat Drive, Longboat Key, Florida

Milano Homes Construction  
 3500 S.W. 11th Street, Suite 100  
 Sarasota, Florida 34236  
 941-554-0355

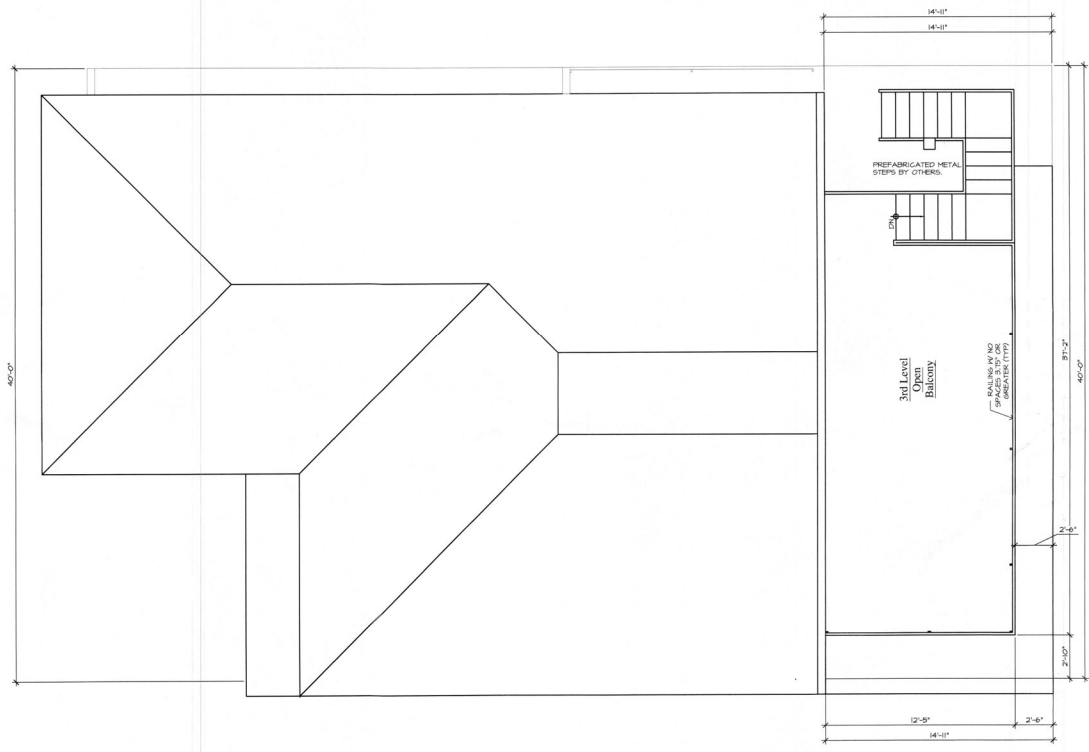
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 JUN 14 2023  
 TOP OF CONCRETE FIRST FLOOR PERMIT PLANS

Revisions  
 10-7-20-21  
 11-1-21  
 5-2-22  
 8-4-22  
 12-7-22

3  
 LOT 110

Permit # PR21-1012





**3rd Floor Plan**

Scale 1/4" = 1'-0"

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Revisions
4-22-21
5-3-21
7-1-20-21
9-3-21
10-7-20-21
11-1-21

**5**

LOT 110

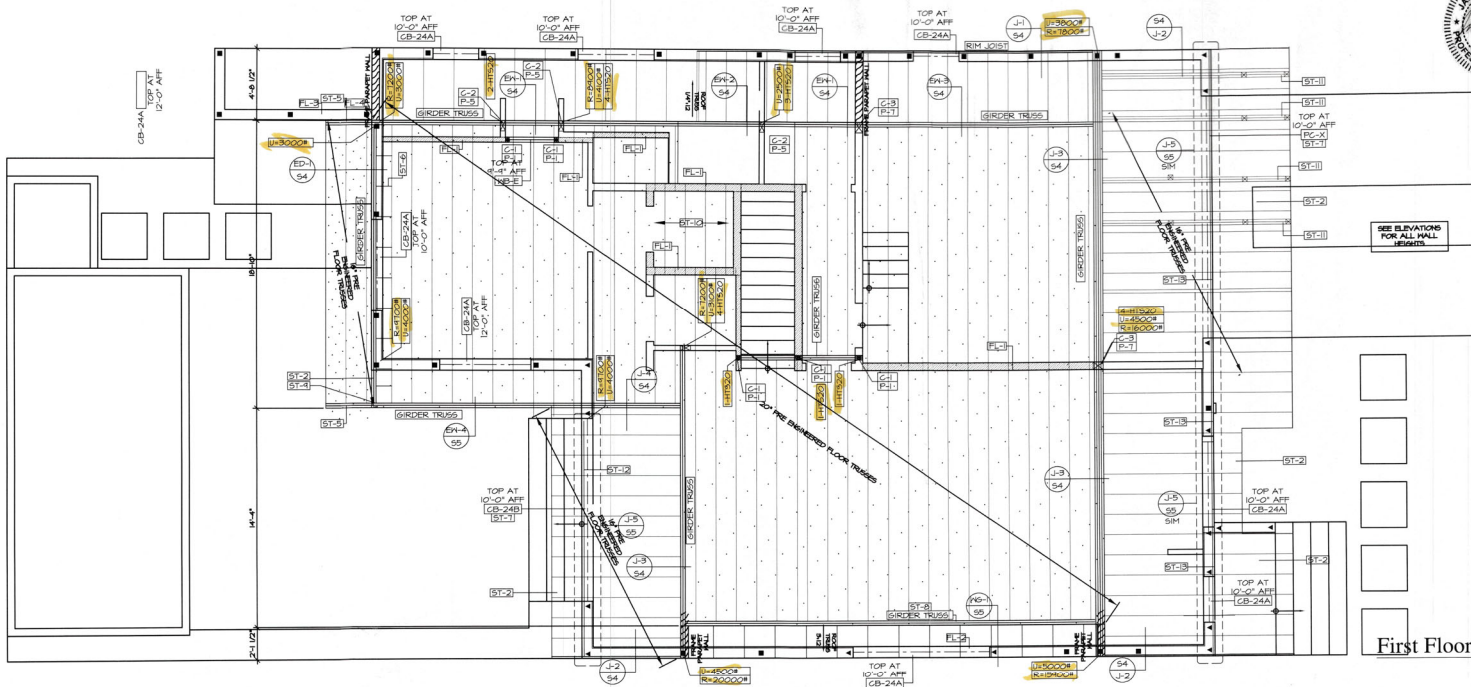
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 32 S. Osprey Ave. Suite 203  
 Sarasota, Florida 34236  
 941-554-0535

A Residence For  
**Lot 110**  
 6810 Longboat Drive, Longboat Key, Florida

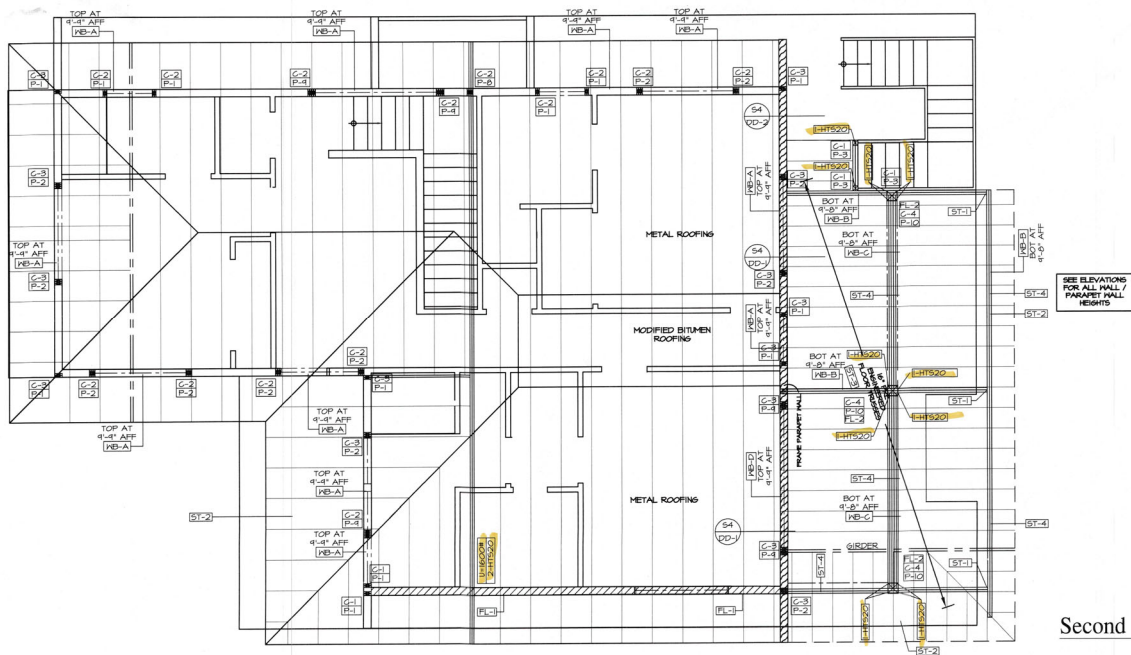


MACCall Engineering  
 P.O. Box # 2800  
 6849 Longboat Key, Longboat Key, FL

LOT 110



First Floor



Second Floor



**STRUCTURAL NOTES**

- FILL ALL CELLS ABOVE PRECAST LINTELS.
- STUB RAISED HEEL TRUSSES BACK 3" FROM FACE OF MASONRY FOR FLYWOOD AND STUCCO.
- ALL WOOD OR WOOD PRODUCTS IN CONTACT WITH CONCRETE OR MASONRY TO BE MOISTURE PROTECTED OR PRESSURE TREATED.
- STUB FLOOR TRUSSES BACK 2" FOR RIMBOARD, FLYWOOD AND STUCCO.
- SEE FRAMING PLANS FOR TIMBER AND MASONRY BEAM SIZES, DETAIL, CALLOUTS, AND TRUSS TIEDOWNS.

**WOOD BEAM SCHEDULE**

MARK	DESCRIPTION
WB-A	3-2X8 SYP BEAM WITH 2-1/2" CDX FLITCH PLATES
WB-B	(2) 8" X 7 1/2" LVL BEAM
WB-C	(3) 8" X 7 1/2" LVL BEAM
WB-D	3-2X10 SYP BEAM WITH 2-1/2" CDX FLITCH PLATES
WB-E	2-2X10 SYP BEAM WITH 1-1/2" CDX FLITCH PLATE

NOTES:

- WALL 3-PLY SYP BEAMS TOGETHER WITH 3-ROWS OF 16D NAILS EACH FACE AT 12" O.C. STAGGERED.
- SEE SHEET S1 FOR LVL NAILING PATTERN REQUIREMENTS.

**CONCRETE BEAM SCHEDULE**

CB-24A	8"X24" F&P CONCRETE BEAM WITH 1-#5 TOP, 1-#5 MIDDLE & 1-#5 BOTTOM
CB-24B	8"X24" F&P CONCRETE BEAM WITH 1-#5 TOP & 1-#5 BOTTOM

PC-X  
8"X8" PRECAST BEAM WITH 1-#5 CONT. FILLED SOLID & 8"X8" F&P CONCRETE BEAM WITH 1-#5 TOP & 1-#5 BOTTOM

**STRUCTURAL SCHEDULE**

MARK	DESCRIPTION
ST-1	1-SIMPSON H6U54B INSTALL UPSIDE DOWN
ST-2	CANTILEVER TRUSSES
ST-3	FLAT TRUSSES BY TRUSS MANF. AT 16" O.C. BOTT. AT
ST-4	SIMPSON H10A AT EACH TRUSS TO LVL BEAM
ST-5	DROP TOP CHORD AT DECK
ST-6	PROVIDE 20" LVL BLOCKING BETWEEN FLOOR TRUSSES AT 24" O.C. - ATTACH TO THE BEAM WITH SIMPSON HETA16 AT EACH BLOCKING MEMBER
ST-7	SHORE CONCRETE / PRECAST BEAM FOR MIN. OF 28 DAYS AFTER POUR
ST-8	FULL-HEIGHT WALL GIRDER TRUSS BY TRUSS MANF. BOTTOM ELEV. 10'-0" AFF TOP ELEV. 22'-0" AFF
ST-9	SUPPORT GIRDER TRUSS FROM CANTILEVER GIRDER TRUSS
ST-10	SEPARATE TRUSSES OVER FUTURE ELEVATOR
ST-11	TRUSS MANF. SHALL COORDINATE TRUSS PLACEMENT AND LOADING TO ACCOMMODATE STAIR SUPPORT CONFIGURATION
ST-12	1.75X20 LVL BLOCKING BETWEEN TRUSSES
ST-13	1.75X16 LVL BLOCKING BETWEEN TRUSSES RIP TO FIT

Roof / Framing Plans  
Scale 1/4" = 1'-0"

BLDG FRM PLAN  
COPY OF PERMITS

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.

LOT 110

McCall Engineering  
P.E. # 12500  
1000 Bay St., Lakewood Ranch, FL  
941-954-0555

**RECEIVED**  
TOWN OF LONGBOAT KEY  
DIS. # 120  
Planning, Zoning & Building

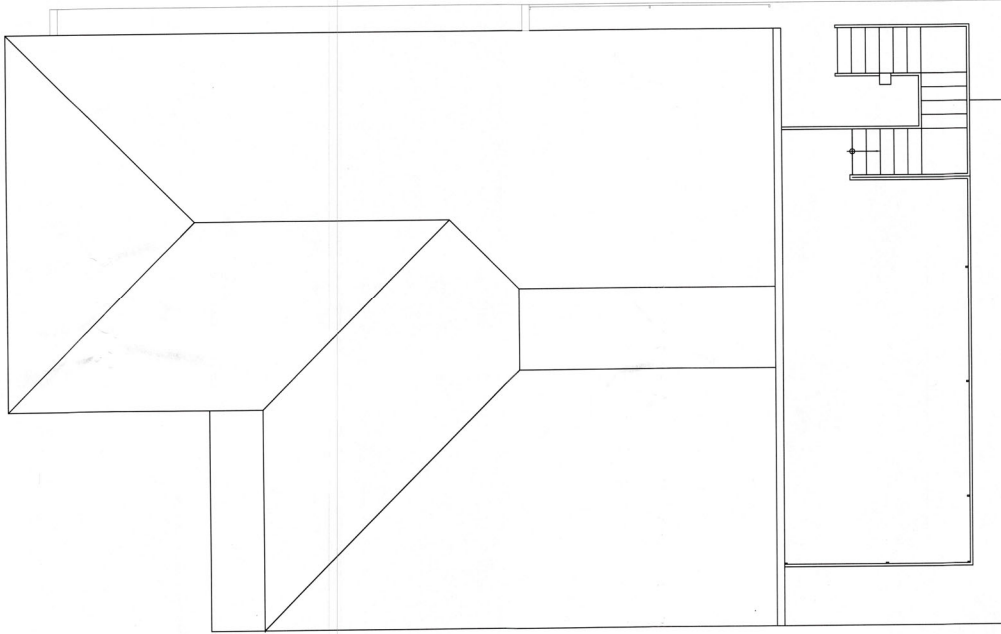
A Residence For  
**Lot 110**  
6810 Longboat Drive, Longboat Key, Florida

Milano Homes Construction  
32 S Osprey Ave, Suite 203  
Sarasota, Florida, 34236  
941-954-0555

Revisions  
4-22-21  
5-3-21  
7-1, 26-21  
9-3-21  
10-7, 20-21  
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Permit # PR21-1012

**6**  
LOT 110



3rd Plan

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 TOWN OF LONGBOAT KEY  
 Planning, Zoning & Building

Permit # PR21-1012

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Revisions
4-22-21
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7-1, 26-21
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Milano Homes Construction  
 32 S. Osprey Ave, Suite 203  
 Sarasota, Florida 34236  
 941-954-0355

**6a**  
 LOT 110

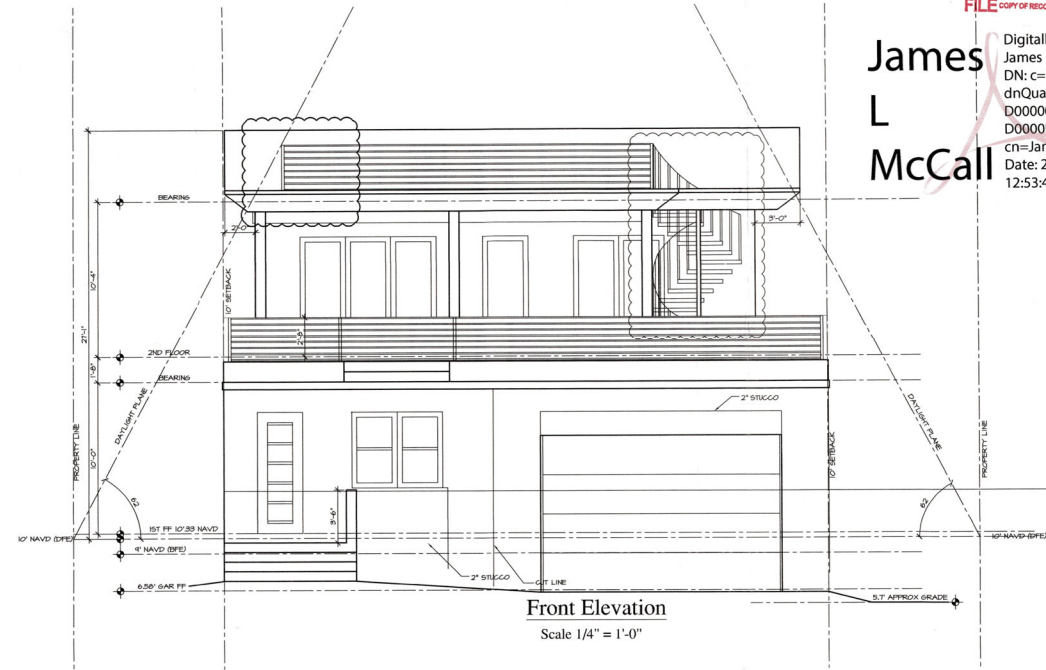
A Residence For  
**Lot 110**  
 6810 Longboat Drive, Longboat Key, Florida



McCall Engineering  
 1800 E. 80th Ave  
 Ft. Lauderdale, FL 33304

LOT 110

James L McCall  
Digitally signed by James L McCall  
DN: c=US, o=Florida, dnQualifier=A01410  
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D0000D16C,  
cn=James L McCall  
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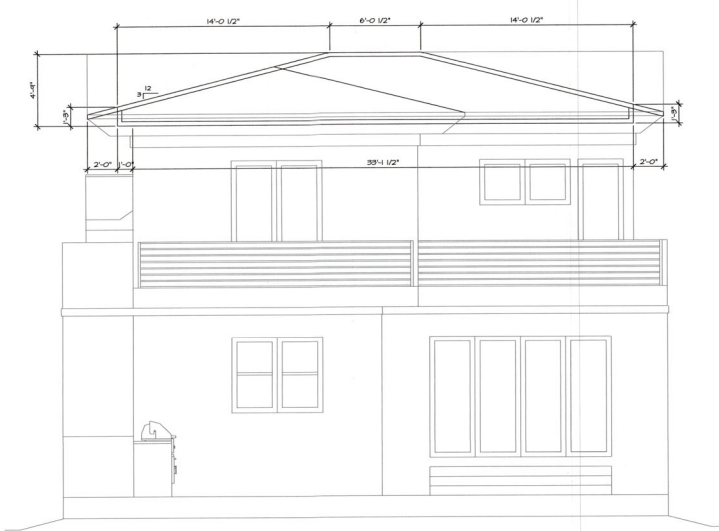


Front Elevation  
Scale 1/4" = 1'-0"

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Rear Elevation  
Scale 1/4" = 1'-0"

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LOT 110



A Residence For  
**Lot 110**  
6810 Longboat Drive, Longboat Key, Florida

Milano Home Construction  
32 S. Osprey Ave, Suite 203  
Sarasota, Florida 34236  
941-954-0555

Revisions

10-7-20-21
11-1-21
5-2-22
8-4-23
12-7-22
4-3-23, 5-12-23
8-4-23

7  
LOT 110

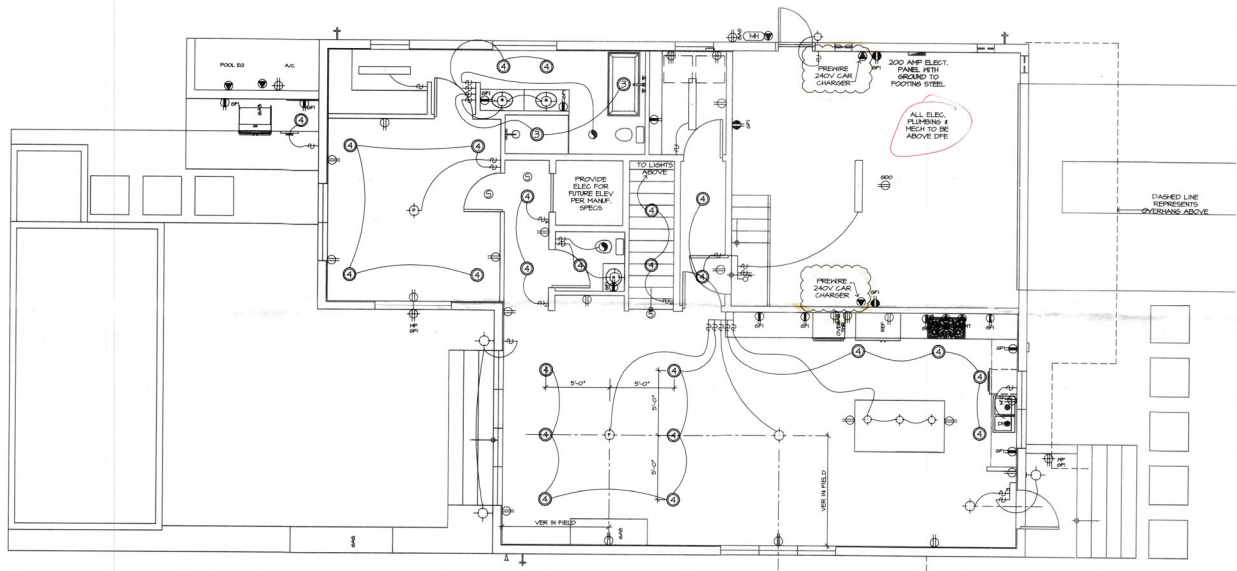




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**ELECTRICAL LEGEND**

- ⊕ DUPLEX OUTLET (110V AT 10" OR AS NTD)
  - ⊕ DUPLEX OUTLET (110V AT 34") \*
  - ⊕ DUPLEX OUTLET (110V AT 42") \*
  - ⊕ DUPLEX OUTLET (110V AT 48") \*
  - ⊕ SPLIT DRX OUTLET (110V AT 10") TOP FLUG IS 110"
  - ⊕ WEATHERPROOF DRX OUTLET (110V AT 12")
  - ⊕ 220V OUTLET AT 30"
  - ⊕ SPECIAL PURPOSE CONN
  - ⊕ TELEPHONE OUTLET AT 10" OR AS NTD
  - ⊕ TELEVISION OUTLET AT 10"
  - ⊕ 5W 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
  - ⊕ ROUND RECESS FOR TUB/SHOWER
  - ⊕ ROUND RECESS OPEN BAFFLE TRIM (INTERIOR FLAT CLG)
  - ⊕ MINI ROUND RECESS OPEN BAFFLE TRIM (BAR LOCATIONS)
  - ⊕ ROUND RECESS RECESSED EYEBALL (INTERIOR SLOPED CLG)
  - ⊕ CLG FAN PREWIRE AND SW
  - ⊕ SMOKE DETECTOR / CARBON MONOXIDE ALARM
  - ⊕-18" UNDER CABT 18"
  - ⊕-18" SINGLE 18" FLUOR STRIP
  - ⊕-24" UNDER CABT 24"
  - ⊕-24" SINGLE 24" FLUOR STRIP
  - ⊕-24" DOUBLE 24" FLUOR STRIP
  - ⊕-36" UNDER CABT 36"
  - ⊕-36" SINGLE 36" FLUOR STRIP
  - ⊕-36" DOUBLE 36" FLUOR STRIP
  - ⊕-48" SINGLE 48" FLUOR STRIP
  - ⊕-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
  - ⊕ GAMES (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
- NET LOCATION OUTLETS TO BE GFI  
ALL OUTLETS TO BE AFCI  
ALL OUTLETS TO BE TAMPER RESISTANT  
ALL HEIGHTS ARE TO CENTERLINE AFF



LOT 110

McCull Engineering  
P.O. BOX 10000  
DADE COUNTY, FL 33108



A Residence For  
**Lot 110**  
6810 Longboat Drive, Longboat Key, Florida

M. J. Moore Construction  
22 S. Ocean Ave., Suite 200  
Sarasota, Florida 34236  
941-954-0335

Revisions
10-7-20-21
11-1-21
5-3-22
8-4-22

9  
LOT 110

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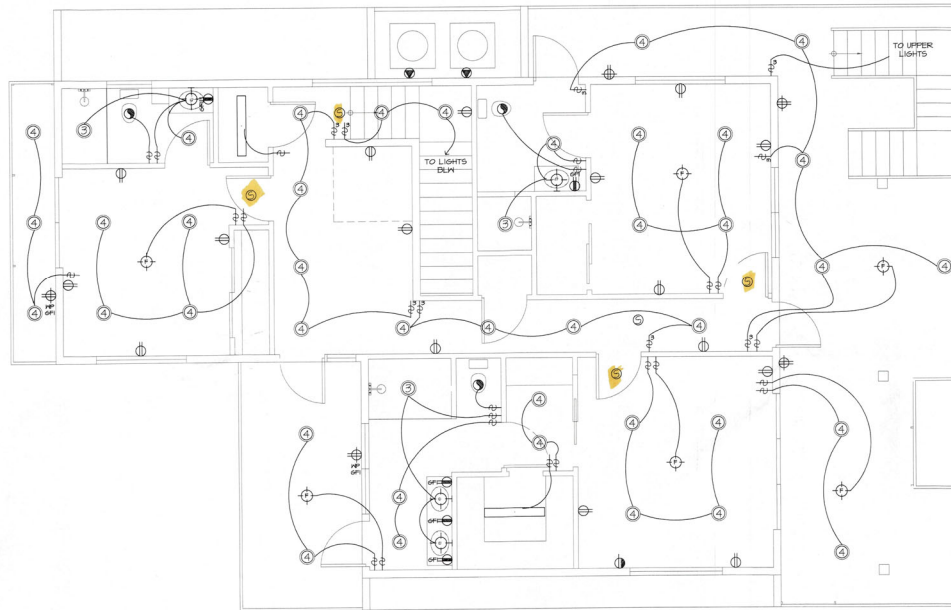
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**ELECTRICAL LEGEND**

- ⊕ DUPLEX OUTLET (110V AT 10" OR AS NTD)
  - ⊕ DUPLEX OUTLET (110V AT 36")
  - ⊕ DUPLEX OUTLET (110V AT 42")
  - ⊕ DUPLEX OUTLET (110V AT 48")
  - ⊕ 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"
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  - ☎ SURFACE MNT SOCKET
  - ☎ HALL MNT FIXTURE
  - ⊙ ROUND RECESS FOR TUB/SHOWER
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  - ⊙ MINI ROUND RECESS OPEN BAFFLE TRIM (BAR LOCATIONS)
  - ⊙ ROUND RECESS REGRESSSED EYEBALL (INTERIOR SLOPED CLG)
  - ☎ CLG FAN PRENIRE AND SW
  - ☎ SMOKE DETECTOR / CARBON MONOXIDE ALARM
  - U-18" UNDER CABT 18"
  - U-18" SINGLE 18" FLUOR STRIP
  - U-24" UNDER CABT 24"
  - U-24" SINGLE 24" FLUOR STRIP
  - D-24" DOUBLE 24" FLUOR STRIP
  - U-36" UNDER CABT 36"
  - U-36" SINGLE 36" FLUOR STRIP
  - D-36" DOUBLE 36" FLUOR STRIP
  - U-48" UNDER CABT 48"
  - U-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
  - V-24" 24" VANITY LIGHTING (SEE SPECS)
  - V-36" 36" VANITY LIGHTING (SEE SPECS)
  - V-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
  - ☎ ELEG 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 AF  
 ALL OUTLETS TO BE TAMPER RESISTANT  
 ALL HEIGHTS ARE TO CENTERLINE AFF



BLDG REVIEW PLANS  
 FOR  
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**RECEIVED**  
 REC 011 2021  
 TOWN OF LONGBOAT KEY  
 Planning, Zoning & Building

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 # PB21-1012



McCall Engineering  
 Inc.  
 1809 E. 30th Ave.  
 Ft. Lauderdale, FL 33305  
 Phone: 954-561-5555  
 Fax: 954-561-5555

LOT 110

A Residence For  
**Lot 110**  
 6810 Longboat Drive, Longboat Key, Florida

Milano Homes Construction  
 32 S. Osprey Ave. Suite 203  
 Sarasota, Florida 34236  
 941-954-0355

Revisions
4-22-21
5-3-21
7-1, 26-21
9-3-21
10-7, 20-21
11-1-21

**10**  
 LOT 110



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 BY CONTRACTOR.
1.6 FILL WITH STEMMALS 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 FOUNDATION TRUSS PLAN PRIOR TO PLACEMENT OF STEMMALS OR MONOLITHIC FOOTING.
1.9 PLUMBER IS TO INFORM SUPERINTENDENT OF ANY VENTING WHICH UTILIZES A MASONRY WALL TO RESOLVE ANY POSSIBLE STRUCTURAL INTERFERENCE ISSUES.

2. CONCRETE/MASONRY NOTES

- 2.1 ALL CONCRETE SHALL BE FC=3000PSI.
2.2 MASONRY SHALL USE TYPE S MORTAR, Fm=1900PSI.
2.3 REINFORCING STEEL SHALL SATISFY ASTM A615, G9
6.0 FOOTING MAY USE G40 STEEL.
2.4 WHERE INDICATED ON DRAWINGS, FIBROUS CONCRETE FILLED CELL WITH REINFORCING STEEL FROM FOOTING TO THE BEAM HOOKED & TIED BEFORE INSPECTION IF GROUT LIFT EXCEEDS 4'-0". INSPECTION HOLES 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 DOWN AND UP 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 -36"
#6 REBAR -42"
#7 REBAR -48"
2.9 LAP LENGTH OF INDIVIDUAL BARS WITHIN A BUNDLE SHALL BE THAT FOR THE INDUSTRY STANDARD 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 40% STAGGER.
2.11 A FILLED CELL WITH (1) #5 VERTICAL SHALL BE PROVIDED AT GIRDER TRUSSES WITH UPLIFT EXCEEDING 1000LBS U.N.O.
2.12 MINIMUM CONCRETE COVER 3" CAST AGAINST SOIL AND 1" 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/TIE RODS 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 2013.
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 U.N.O.
2.17 BEAM SIZES SHOWN ON DRAWINGS ARE MINIMUM NOMINAL DIMENSIONS. BEAM SIZES MAY BE INCREASED 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 1/2" 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 3/8" 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 MANUFACTURER 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 #8 TAPCONS AT 16" O.C. WITH MINIMUM EMBEDMENT OF 12".
3.8 FLOOR SHEATHING SHALL BE 1/2" 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, Fm=2400psi
4.2 LVL: 1.8E LAMINATED VENEER LUMBER, Fm=2600psi
4.3 PT: PRESSURE TREATED SOUTHERN PINE #2 GRADE OR BETTER
4.4 SPT: 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: 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 1/2" COX PLYWOOD OR EQUAL, FASTENED WITH 8D RINGSHANK NAILS (RSRS-03 (2 1/2"x0.131") OR RSRS-04 (3"x0.120") AT 4" O.C. EDGES AND 8" O.C. FIELD.
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 55PSF 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. TRUSSES MUST BE DESIGNED TO SUPPORT WALLS AGAINST OUT-OF-PLANE LOADS IN ACCORDANCE WITH ITEM 6.5. THIS APPLIES TO ALL TRUSSES WITH RAISED HEEL CONDITION THAT BEAR ON AN EXTERIOR WALL.
6.8 NO PROVISION HAS BEEN MADE IN THE STRUCTURAL DESIGN FOR TEMPORARY CONDITIONS OCCURRING DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING AND BRACING 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 III, WIND EXPOSURE II, INTERNAL PRESSURE COEFFICIENT = 0.18, FULLY ENCLOSED BUILDING

Table with 3 columns: COMPONENT AREA (SQ. FT.), ZONE 4, ZONE 5. Rows include values for positive and negative pressures in inward and outward suction.

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 R302.0. 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 R908.

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 CONNECTIONS 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 U.S. MASONRY 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 JURISDICTION, 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

Table with 5 columns: TYPE MEMBER, NOMINAL UPLIFT CAPACITY, CONNECTOR TYPE, NAILS TO TRUSS FOR NOMINAL UPLIFT, NOTES AND COMMENTS. Rows include SINGLE PLY CMU, SINGLE PLY CONCRETE, SINGLE PLY, SINGLE OR MULTI PLY CMU, SINGLE OR MULTI PLY CONCRETE, DBL PLY, DBL OR TPL PLY CMU, DBL OR TPL PLY CONCRETE, TPL PLY, QUAD PLY, MULTI PLY.

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) 3/8" ALL-THREAD BOLT W/ SIMPSON SET EPOXY-TIE ADHESIVE W/ 12" MIN. EMBED DEPTH
3. FASTENER TO CMU/CONCRETE: (2) 3/8" ALL-THREAD BOLT W/ SIMPSON SET EPOXY-TIE ADHESIVE W/ 12" MIN. EMBED DEPTH
4. FASTENER TO CMU WALL: (7) 1/2"x2" LONG SIMPSON TITEN SCREW TO CONCRETE
5. FASTENER TO CONCRETE WALL: (7) 1/2"x2" LONG SIMPSON TITEN SCREW TO CONCRETE
6. FASTENER TO WALL: (4) 3/8"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 CEILING NOTES

- 12.1 ENTRY/LANAI/CABANA CEILING (AREAS EXPOSED TO WIND): PROVIDE 2x4 BLOCKING AT 48" O.C. AT THE BOTTOM CHORD OF ALL TRUSSES. PROVIDE 1" EXTERIOR GRADE DRYWALL OR 1/2" 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 SCREDS 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 RESISTANCE IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR

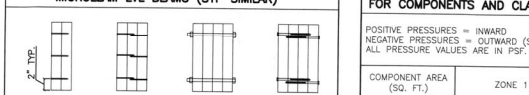
POST UPLIFT ANCHORS - MASONRY/CONCRETE

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

Table with 5 columns: MINIMUM POST THICKNESS, NOMINAL UPLIFT CAPACITY FOR SYP OR BTR, CONNECTOR TYPE, FASTENER TO POST FOR NOMINAL UPLIFT, ANCHOR BOLT DIAMETER. Rows include various Simpson connectors and fasteners for different post thicknesses.

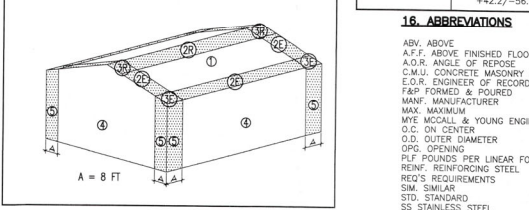
NOTES: 1. MINIMUM (2) DIAMETER A307 ALL THREAD SET IN 3/8" DIAMETER HOLE W/ SIMPSON SET EPOXY, MIN EMBED 5"
2. DIAMETER A307 ALL THREAD SET IN 1/2" DIAMETER HOLE W/ SIMPSON SET EPOXY, MIN EMBED 8"
3. DIAMETER A307 ALL THREAD SET IN 3/4" DIAMETER HOLE W/ SIMPSON SET OR EQUAL, MIN EMBED 6"
4. DIAMETER A307 ALL THREAD SET IN 1" DIAMETER HOLE W/ SIMPSON SET OR EQUAL, MIN EMBED 9"

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



- 2. PIECES - 1 1/2" WIDE:
(1) MINIMUM (2) ROWS OF 12d NAILS AT 12" O.C. FOR MEMBERS LESS THAN 14" DEEP
(2) MINIMUM (3) ROWS OF 12d NAILS AT 12" O.C. FOR MEMBERS GREATER THAN 14" DEEP
3. PIECES - 1 1/2" WIDE:
(1) (3) ROWS OF 12d NAILS AT 12" O.C.; OR
(2) (2) ROWS OF 1 1/2" x 3 1/2" LAG SCREWS AT 12" O.C.
4. PIECES - 1 1/2" WIDE:
(1) (2) ROWS OF 3/8" BOLTS AT 12" O.C.; OR
(2) (2) ROWS OF 1 1/2" x 3 1/2" LAG SCREWS AT 12" O.C.
GENERAL NOTES:
• A307 BOLTS WITH WASHERS REQUIRED. BOLT HOLES TO BE 3/16" 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 DRAFTSTOP SHALL BE PROVIDED IN FLOOR FRAMING PER 2020 FBC R302.12 SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 100SF
A. 1/2" OSB/UM BOARD OR
B. 3/8" WOOD STRUCTURAL PANELS
C. INSTALL PARALLEL TO FLOOR FRAMING MEMBERS

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.

16. ABBREVIATIONS

Table with 2 columns: ABB. ABOVE, DESCRIPTION. Includes terms like A.F.F., C.M.U., F&P, M&F, M&M, O.D., O.P.G., P.F.P., R.E.F., S.M., S.T.D., S.T.L., T.O.P., U.N.O., W/W.

RECEIVED DEC 01 2021 TOWN OF LONGBOAT KEY Building Dept. & Planning

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.

BLDG PERMIT PLANS Copy of Plans

MECALL ENGINEERING, LLC Structural Engineering. Copyright McCall Engineering, LLC. All rights reserved. 1101 S. US HWY 90, SUITE 100, LONGBOAT KEY, FL 34907. TEL: (941) 367-9999. FAX: (941) 367-9998.

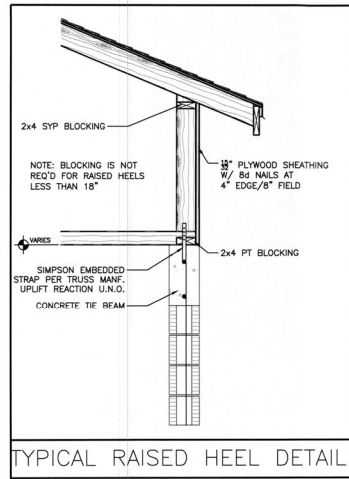


A CUSTOM HOME DESIGN FOR: 6810 LONGBOAT DRIVE LONGBOAT KEY, FLORIDA

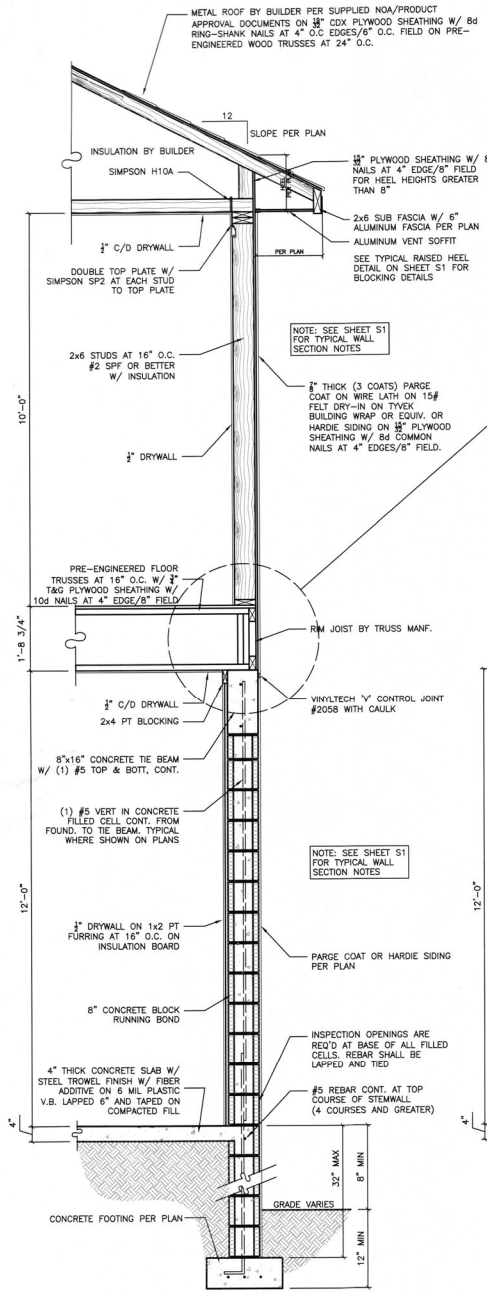
STRUCTURAL NOTES

Table with 2 columns: FIELD, VALUE. Includes fields like ENGINEER, DATE ISSUED, REVISIONS, SHEET.

S1

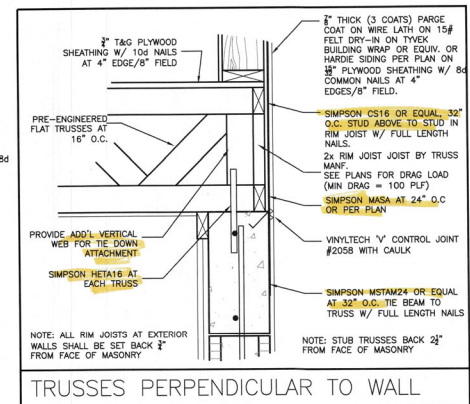


TYPICAL RAISED HEEL DETAIL

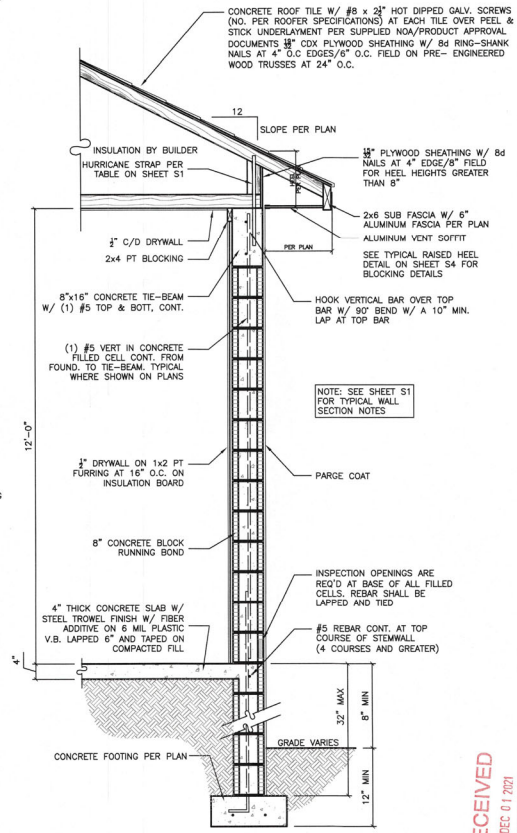


TYPICAL TWO STORY WALL SECTION

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



TRUSSES PERPENDICULAR TO WALL



TYPICAL ONE STORY WALL SECTION

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



A CUSTOM HOME DESIGN FOR:  
 6810 LONGBOAT DRIVE  
 LONGBOAT KEY, FLORIDA

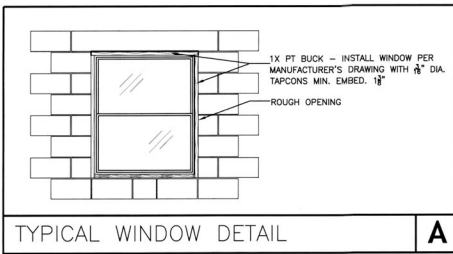
**STRUCTURAL DETAILS**

ENGINEER	JAMES L. MCCALL
DATE ISSUED	12/11/2021
REVISIONS	

**S2**

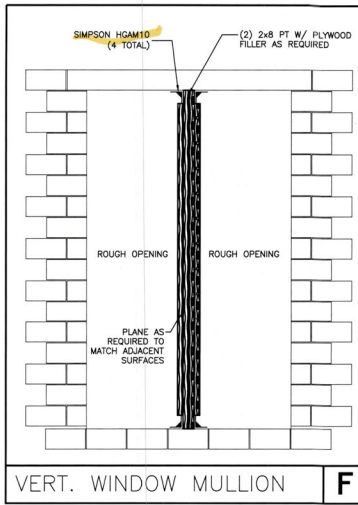
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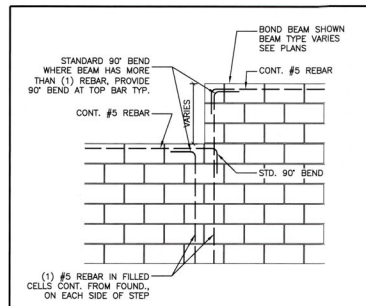
TYPICAL WINDOW DETAIL

A

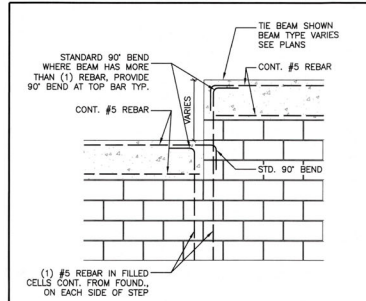


VERT. WINDOW MULLION

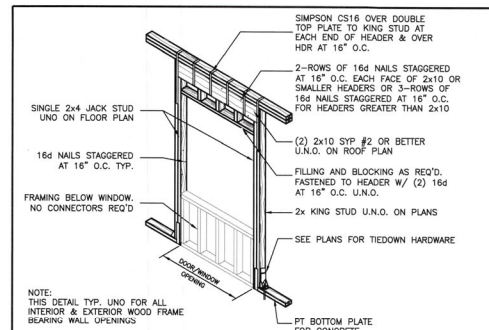
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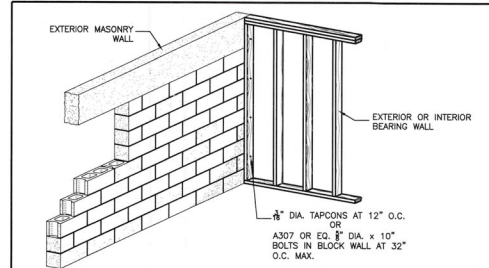
BOND BEAM STEP



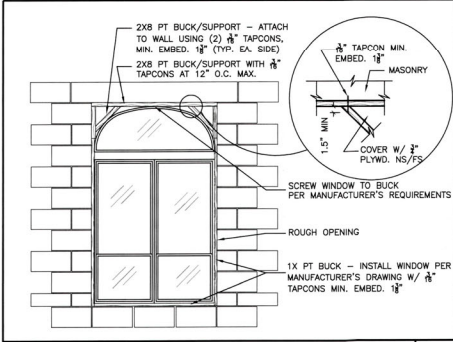
TIE BEAM STEP



BEARING WALL HEADER DETAIL

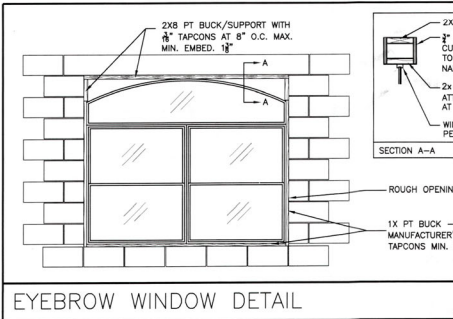


MIXED CONSTRUCTION DETAIL



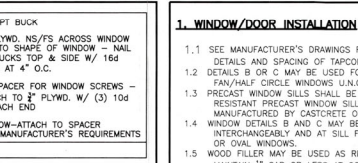
ELLIPTICAL WINDOW DETAIL

B



EYEBROW WINDOW DETAIL

C

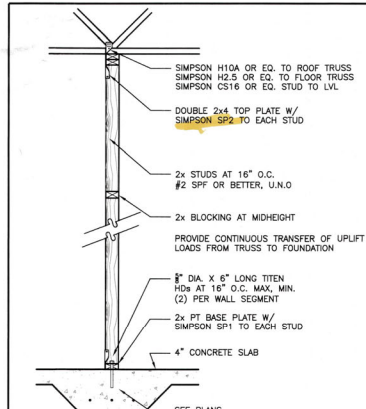


1. WINDOW/DOOR INSTALLATION

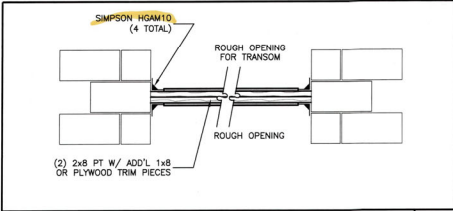
- SEE MANUFACTURER'S DRAWINGS FOR DETAILS AND SPACING OF TAPCONS/BOLTS.
- DETAILS B OR C MAY BE USED FOR PAN/HALF CIRCLE WINDOWS U.N.O.
- PRECAST WINDOW SILLS SHALL BE WIND RESISTANT PRECAST WINDOW SILLS AS MANUFACTURED BY CASTCRETE OR EQ.
- WINDOW DETAILS B AND C MAY BE USED INTERCHANGEABLY AND AT SILL FOR ROUND OR OVAL WINDOWS.
- WOOD FILLER MAY BE USED AS REQUIRED TO MAINTAIN  $\frac{1}{2}$ " GAP OR LESS AT CORNER OF ROUND AND SQUARE WINDOWS.

2. GENERAL CONNECTIONS NOTES

- CONNECTIONS SHOWN ON SHEET S2 ARE RECOMMENDED.
- OTHER CONNECTIONS 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.

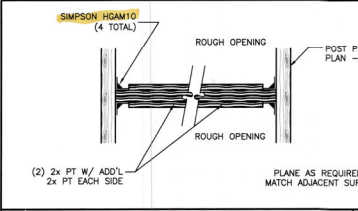


INTERIOR BEARING WALL DETAIL



WOOD HEADER BEAM DETAIL

D



WOOD HEADER BEAM DETAIL

W-5

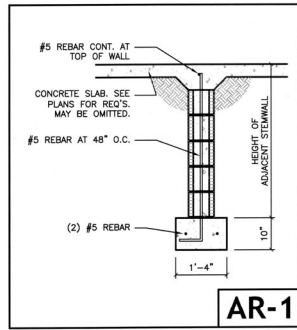
BLDG PERMIT PLANS  
FILE  
Copy of Record

RECEIVED  
REC 011 2021  
TOWN OF LONGBOAT KEY  
Planning, Zoning & Building

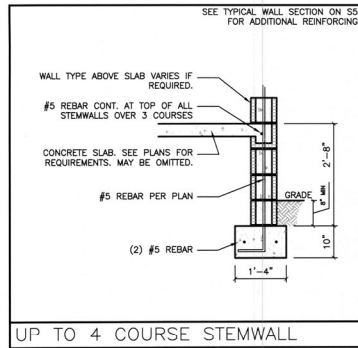




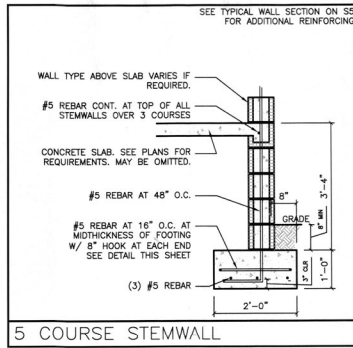




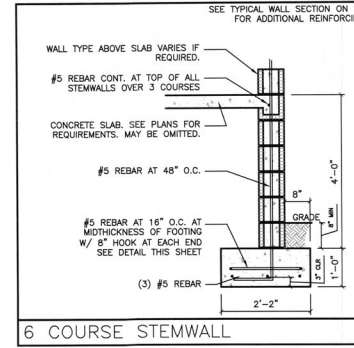
**AR-1**



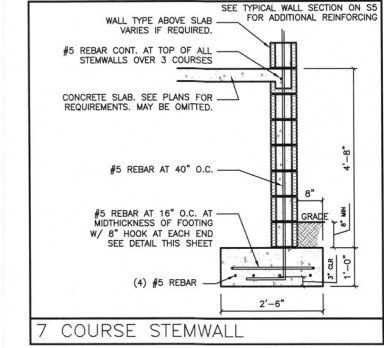
UP TO 4 COURSE STEMWALL



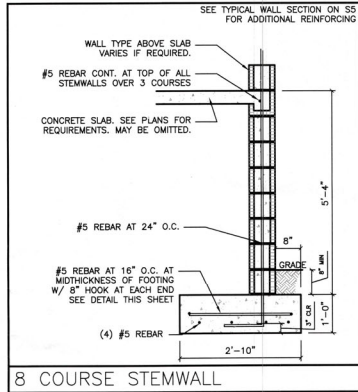
5 COURSE STEMWALL



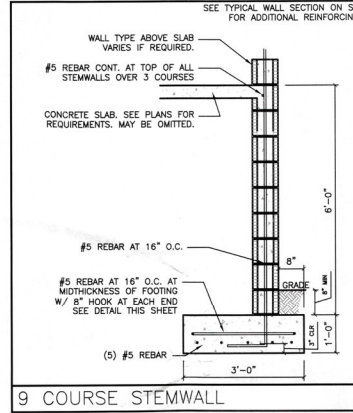
6 COURSE STEMWALL



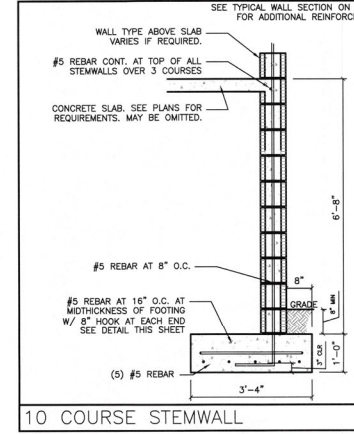
7 COURSE STEMWALL



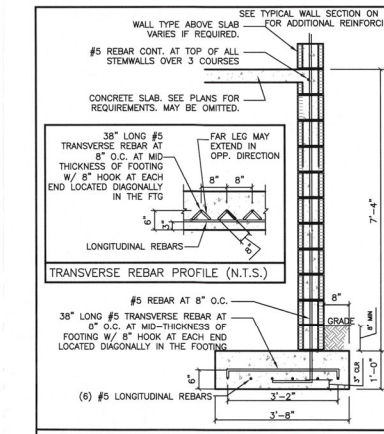
8 COURSE STEMWALL



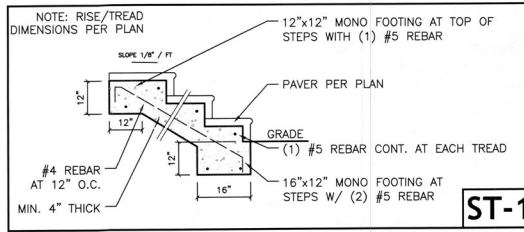
9 COURSE STEMWALL



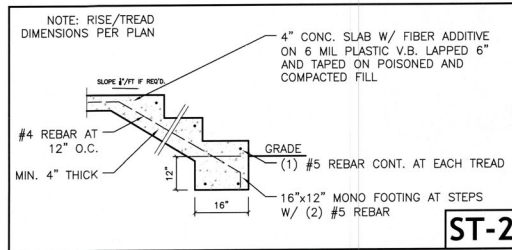
10 COURSE STEMWALL



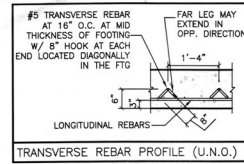
11 COURSE STEMWALL



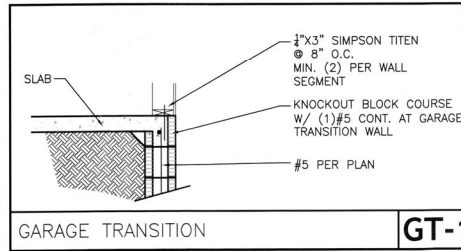
**ST-1**



**ST-2**

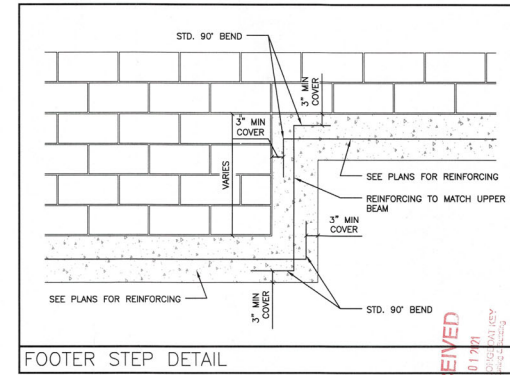


TRANSVERSE REBAR PROFILE (U.N.O.)



GARAGE TRANSITION

**GT-1**



FOOTER STEP DETAIL

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 (941) 999-9999  
 www.mcalleng.com



A CUSTOM HOME DESIGN FOR:  
 6810 LONGBOAT DRIVE  
 LONGBOAT KEY, FLORIDA

**STRUCTURAL DETAILS**  
 RECEIVED  
 DEC 01 1971  
 ENGINEERING DEPARTMENT  
 JAMES C. MCCALL  
 PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
 No. 84552  
 DATE ISSUED  
 JUN 18/08/2001  
 REVISIONS  
 SHEET  
**S6**



