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ARCHITECTURE INTERIOR DESIGN PLANNING
SEAL

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G.F. CONSULTING ENGINEERS, INC.
STRUCTURAL ENGINEERING
13170 SW 128 STREET, SUITE 204
MIAMI, FLORIDA 33186

JMM CONSULTING ENGINEERS
MECH., ELEC., PLUMB. ENGINEERING
10251 SUNSET DRIVE, SUITE 103
MIAMI, FLORIDA 33173

CARLAB, INC.
CIVIL ENGINEERING
8730 SW 25 STREET
MIAMI, FLORIDA 33165

CARLOS MAURICIO &
FERNANDA ROCA
MA 2405
13125 SW 63 AVENUE
PINECREST, FLORIDA 33156

CASA @
63RD AVENUE

NEW SINGLE-FAMILY RES.
EU-1 RESIDENTIAL ESTATE

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PHASE

Project Status

FILE NAME:

M:\2405 Casa Pn Fernando_C\MODELO\ARCH\Casa on 63rd
and 67th.dwg

PROJECT NO.:

MA 2405

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DY

CHECKED BY:

RJM

ISSUE DATE:

11/14/24

REVISIONS

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REVISIONS

SEALANT SECTION 07900

PROVIDE AND INSTALL SEALANTS COMPLYING WITH REQUIREMENTS INCLUDED HEREIN, IN ORDER TO ESTABLISH AND MAINTAIN AIRTIGHT, VERMIN PROOF, AND WATER PROOF CONTINUOUS SEALS ON A PERMANENT BASIS.

1.01 SUBMITTALS

A. RATING SYSTEM DOCUMENTATION
1. PROVIDE A CUT SHEET AND/OR MATERIAL SAFETY DATA SHEET FOR EVERY SEALANT USED WITHIN THE BUILDING (NOT INCLUDING THE EXTERIOR SURFACE OF THE BUILDING), WITH VOC LEVELS HIGHLIGHTED.

2.01 SEALANTS MATERIALS
A. EXTERIOR GENERAL USE:
1. SINGLE-COMPOUND POLYURETHANE CONFORMING TO ASTM C920, TYPE S, CLASS 25, GRADE NS
2. SILICON: ONE-PART SILICON SEALANT, VOC CONTENT: MAXIMUM 15 GRAMS/LITER
3. ACRYLIC/SILICON: WATER-BASED SEALANT, VOC CONTENT: 31 GRAMS/LITER

B. EXTERIOR CONCEALED JOINTS AND UNDER THRESHOLDS:
ONE-PART BUTYL RUBBER CAULK CONFORMING TO FS TT-S-001657, TYPE I

C. EXTERIOR CONCEALED JOINTS BETWEEN TWO ASSEMBLED RIGID SURFACES IN COMPRESSION: POLYISOBUTYLENE SEALANT TAPE CONFORMING TO AAMA 804.1

D. EXTERIOR AND INTERIOR HORIZONTAL JOINTS SUBJECT TO PEDESTRIAN TRAFFIC:
1. TWO-PART POLYURETHANE CONFORMING TO ASTM C920, CLASS 25, TYPE M, SELF-LEVELING, ZERO-VOC
2. ONE-PART POLYURETHANE, VOC CONTENT: MAXIMUM 45 GRAMS/LITER

E. INTERIOR NON-WET AREAS: ONE-COMPONENT ACRYLIC LATEX WATER-BASED SEALANT CONFORMING TO ASTM C834, VOC CONTENT: MAXIMUM 42 GRAMS/LITER

F. INTERIOR WET AREAS: ONE PART, MILDEW-RESISTANT SILICONE RUBBER CONFORMING TO ASTM C920, TYPE S, CLASS 25, GRADE NS

INSTALLATION: CLEAN JOINT SURFACES IMMEDIATELY BEFORE INSTALLATION. PRIME OR SEAL JOINT SURFACES AS RECOMMENDED BY MANUFACTURER. COMPLY WITH MANUFACTURER'S INSTRUCTIONS. FILL SEALANT ROBERT TO A SLIGHTLY CONCAVE SURFACE, SLIGHTLY BELOW ADJOINING SURFACE. ADJOINING HORIZONTAL JOINTS ARE BETWEEN A HORIZONTAL SURFACE AND VERTICAL SURFACE, FILL JOINT TO FORM A MINIMUM 1/4" RADIUS CONVEX COPE. SO THAT JOINT WILL NOT TRAP MOISTURE AND DIRT. CLEAN ADJOINING SURFACES BY WHATEVER MEANS MAY BE NECESSARY TO ELIMINATE EVIDENCE OF SPILLAGE.

SEALANT AT BASE OF WATER-RESISTANT GYPSUM BOARD: PROVIDE 1/2" HIGH CONTINUOUS BEAD OF SILICONE SEALANT BETWEEN WATER-RESISTANT GYPSUM BOARD PANELS AND CONCRETE FLOORS, PRIOR TO INSTALLATION OF FLOOR AND WALL FINISHES.

SEALANTS: ACRYLIC EMULSION LATEX (TYPE C) ASTM C834, SINGLE COMPONENT; COLOR AS SELECTED; AC-20 MANUFACTURED BY PEORA.

BUTYL SEALANT (TYPE E): FS TT-S-1657, TYPE I, SINGLE COMPONENT, SOLVENT RELEASE, NON-SKINNING, NON-SAGGING, BLACK COLOR, BC-158 MANUFACTURED BY PECORA.

POLYURETHANE SEALANT (TYPE G): ASTM C920, TYPE S, GRADE NS, CLASS 25; SINGLE COMPONENT, CHEMICAL CURING, NON-STAINING, NON-BLEEDING, CAPABLE OF CONTINUOUS WATER IMMERSION, NON-SAGGING TYPE, COLOR AS SELECTED; SIKAFLEX-1-A MANUFACTURED BY SIKO CORP.

1. ELONGATION CAPABILITY - 25 PERCENT
2. SERVICE TEMPERATURE RANGE - 40 TO 165 DEGREES F (-40 TO 74 DEGREES C)
3. SHARE A HARDNESS RANGE - 35 TO 45

POLYURETHANE SEALANT (TYPE H): ASTM C920, TYPE M, GRADE NS, CLASS 25; MULTI- COMPONENT, CHEMICAL CURING, NON-STAINING, NON-BLEEDING, CAPABLE OF CONTINUOUS WATER IMMERSION, NON-SAGGING TYPE, COLOR AS SELECTED; SIKAFLEX - 2C MANUFACTURED BY SIKA CORP.

1. ELONGATION CAPABILITY - 25 PERCENT
2. SERVICE TEMPERATURE RANGE - 40 TO 165 DEGREES F (-40 TO 74 DEGREES C)
3. SHARE A HARDNESS RANGE - 30 TO 40

POLYURETHANE SEALANT (TYPE J): ASTM C920, TYPE S, NS, CLASS 25, FDA APPROVED, SINGLE COMPONENT, SOLVENT CURING, NON-SAGGING, NON-STAINING, NON-BLEEDING COLOR AS SELECTED; CONSTRUCTION 1201 MANUFACTURED BY GE SILICONES.

1. ELONGATION CAPABILITY - 25 PERCENT
2. SERVICE TEMPERATURE RANGE - 40 TO 165 DEGREES F (-40 TO 74 DEGREES C)
3. SHARE A HARDNESS RANGE - 30

SILICONE SEALANT (TYPE I): ASTM C920, TYPE S, NS, CLASS 25, FDA APPROVED, SINGLE COMPONENT, SOLVENT CURING, NON-SAGGING, NON-STAINING, NON-BLEEDING COLOR AS SELECTED; CONSTRUCTION 1201 MANUFACTURED BY GE SILICONES.

1. ELONGATION CAPABILITY - 25 PERCENT
2. SERVICE TEMPERATURE RANGE - 40 TO 165 DEGREES F (-40 TO 74 DEGREES C)
3. SHARE A HARDNESS RANGE - 30

SILICONE SEALANT (TYPE J): ASTM C920, TYPE S, NS, CLASS 25, SINGLE COMPONENT, FUNGUS RESISTANT, CHEMICAL CURING, NON-SAGGING, NON-STAINING, NON-BLEEDING TRANSLUCENT WHITE CENTER; SANITARY 1700 MANUFACTURED BY GE SILICONES.

1. ELONGATION CAPABILITY - 25 PERCENT
2. SERVICE TEMPERATURE RANGE - 40 TO 165 DEGREES F (-40 TO 74 DEGREES C)
3. SHARE A HARDNESS RANGE - 31

ACCESSORIES: PRIMER: NON-STAINING TYPE, RECOMMENDED BY SEALANT MANUFACTURER TO SUIT APPLICATION.

JOINT CLEANER: NON-CORROSIVE AND NON-STAINING TYPE, RECOMMENDED BY SEALANT MANUFACTURER; COMPATIBLE WITH JOINT FORMING MATERIALS.

JOINT BACKING: ASTM D1056; ROUND, CLOSED CELL POLYETHYLENE FOAM ROD: OVERSIZED 30 TO 50 PERCENT LARGER THAN JOINT WIDTH; GREEN ROD MANUFACTURER TO SUIT APPLICATION.

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INSTALL DOORS TO COMPLY WITH NWMA I.S. I. SWI QUALITY STANDARDS AND MANUFACTURER'S INSTRUCTIONS. FIT DOORS TO COMPLY WITH UNIFORM CLEARANCES AND BEVELS. MACHINE DOORS FOR HARDWARE IN FIELD. SEAL CUT SURFACES OF DOOR EDGES AFTER FITTING AND MACHINING. REFINISH OR REPLACE DOORS DAMAGED DURING INSTALLATION AT THE CONTRACTORS EXPENSE. ALL EXTERIOR DOORS MUST HAVE AN APPROVED NOTICE OF ACCEPTANCE AS PER GOVERNING JURISDICTION. REFER TO BUILDING ELEVATIONS FOR WIND PRESSURE DESIGN LOADS.

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