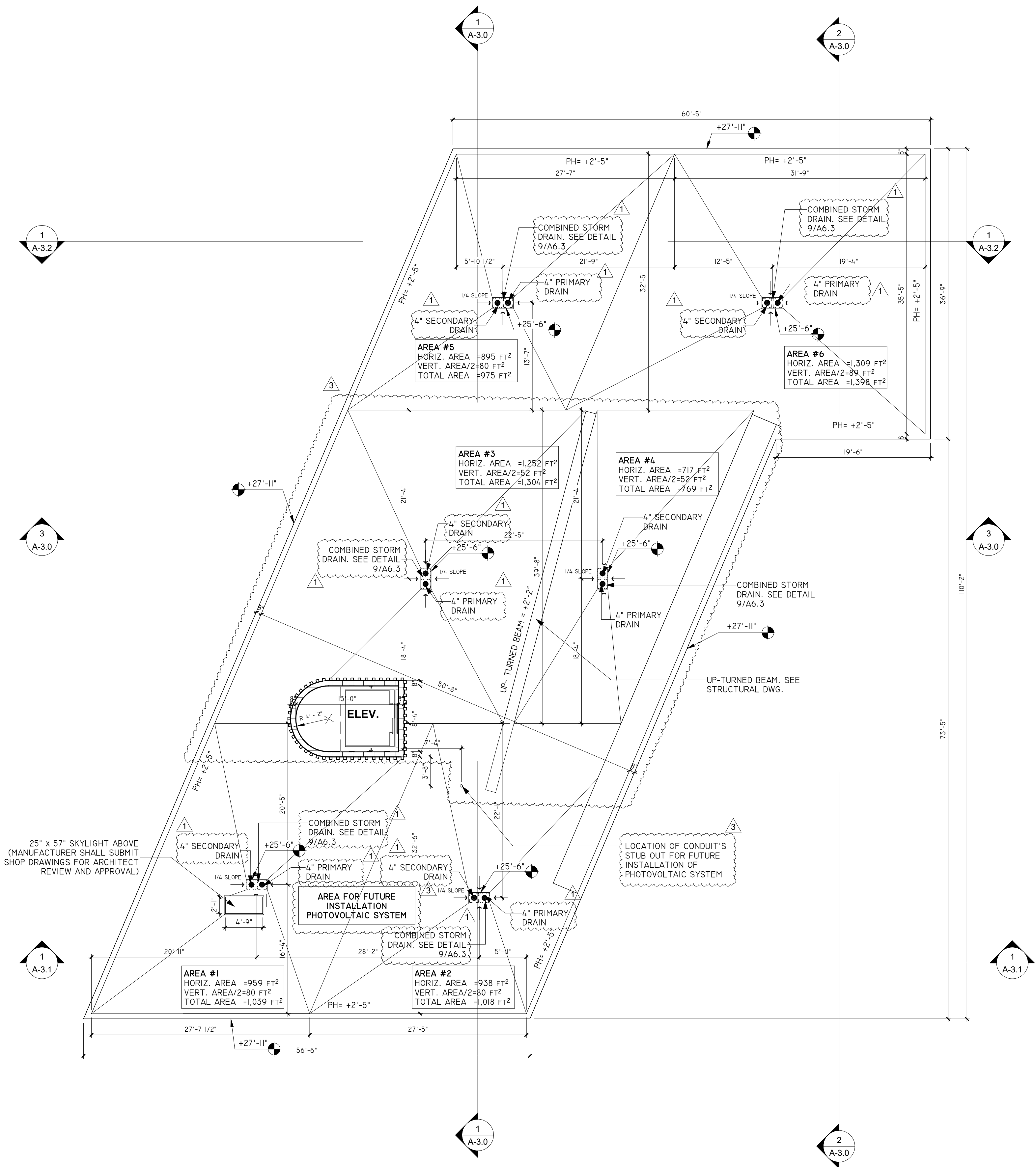




1 ROOF
A-1.2 1/8" = 1'-0"

NOTE:
FOR TYPICAL ARCHITECTURAL DETAILS REFER TO SHEET "A-6.2-DETAILS"
(ROOFING, WATER-PROOFING, PARAPETS, ROOF DRAINS, SCUPPERS, ETC.). REFER TO
MECHANICAL, PLUMBING AND ELECTRICAL DRAWING FOR ROOF PENETRATIONS,
ROOF DRAIN CALCULATIONS, AND OTHER DETAILS. REFER TO STRUCTURAL
DRAWINGS FOR STRUCTURAL DETAILS.

ROOFING INSULATION MATERIAL:
ROOF FINISH SHALL BE GAF RUBEROID MODIFIED BITUMEN ROOF SYSTEM (NOA NO.
18-0919.13) EXPIRES 11/06/2023 ON XCI FOIL, XCI CLASS A POVISO ROOF TAPERED
INSULATION (NOA NO. 18-1024.06) EXPIRES 01/02/2024 OR APPROVED EQUAL.

ROOF SKYLIGHT:
MODEL DCM MOUNT & DSF SELF-FLASHING ALUMINUM SKYLIGHTS BY MAXIUM
INDUSTRIES, INC. MIAMI-DADE NOA NO. 18-1217.13 WITH EXPIRATION DATE,
02/20/2024.

SOLAR REFLECTIVE EXTERIOR AREAS
ALL MATERIALS TO COMPLY WITH ARTICLE 3 OF THE MIAMI 21 CODE
ALL EXTERIOR WALKWAYS, VEHICULAR ENTRANCES AND HARDSCAPE SURFACE
MUST BE USED A NEW GRAY CONCRETE WITH A SOLAR REFLECTIVE 0.35.
ROOF MATERIAL SHOULD BE LIGHT-COLORED, HIGH ALBEDO OR A PLANTED
SURFACE AND SHALL COMPLY WITH ARTICLE 3, SECTION 3.13.2 OF THIS CODE

SOLAR REFLECTIVE ROOF AREAS
SOLAR REFLECTANCE INDEX TO BE SRI 78 REFER TO MECHANICAL DRAWINGS FOR
ROOF TOP EQUIPMENTS & ROOF DRAINAGE PIPING & SIZES & LOCATION IN WALLS
GENERAL CONTRACTOR TO PROVIDE FLAT ROOFING NOTE: GAF EVERGUARD TPO
60 MILL, SINGLE PLY ROOFING SYSTEM (OR APPROVED EQUAL) (W/ 20 YEAR
WARRANTY) 2" TO 10" MAX. (1/4" PER FT.) OVER 2" RIGID INSULATION ON
CONCRETE DECK AS RECOMMENDED BY MANUFACTURER AND COMPLYING WITH
UPLIFT REQUIREMENTS AS LISTED IN THE STRUCTURAL DRAWINGS.
ROOF SYSTEM SHALL COMPLY WITH SECTION 1507.11 OF THE FLORIDA BUILDING
CODE 2020, BUILDING. NOTE: AVERAGE INSULATION R VALUE OF ROOF SYSTEM TO
BE R=19. G.C. TO SUBMIT ROOFING SYSTEM TO ARCHITECT FOR APPROVAL.
COLOR: WHITE

HEAT ISLAND EFFECT SOLAR REFLECTANCE REQUIREMENTS:
ROOFING MATERIALS AND ALL ROOF EXTERIOR SURFACES AND
BUILDING MATERIALS SHALL HAVE A MINIMUM SOLAR REFLECTANCE AS PER
SECTION 3.13.2.c AND 3.13.2.d WHEN TESTED IN ACCORDANCE WITH ASTM E903
OR ASTM E1918 AS PER MIAMI 21 ARTICLE 3 SECTION 3.13.2 HEAT ISLAND EFPEC

** 3/8" RAIN WATER LEADERS CAN HANDLE
UP TO 1,760 SQ.FT. ** 1/2" RAIN WATER
LEADERS CAN HANDLE UP TO 3,680 SQ.FT.
OF HORIZONTALLY PROJECTED ROOF
AREA.
THIS ROOF TO BE STRUCTURALLY
CALCULATED FOR A MAXIMUM
ACCUMULATION OF 6" OF WATER IN THE
WORST-CASE SCENARIO OF CLOGGED
ROOF DRAINS.

FUTURE INSTALLATION OF PHOTOVOLTAIC
SYSTEM: AN APPROPRIATE SIZED CONDUIT,
A MINIMUM OF 1" DIAMETER, LEADING
FROM AN EXTERIOR SOUTH FACING, WEST
FACING OR EAST FACING ROOF, WHERE A
MIN. OF 4 HOURS OF DIRECT SUNLIGHT IS
ARCHIVED, TO A STUBBED JUNCTION BOX
ADJACENT TO THE ELECTRICAL METER,
SHALL BE PROVIDED, AS SHOWN. ROOF
REINFORCEMENTS SHALL BE ADDRESSED
AT THE TIME OF INSTALLATION. ALSO
SEE DETAIL FOR PIPE PENETRATION
FLASHING DETAIL, 4/A-6.4 FOR PIPE
PENETRATION FLASHING DETAIL.

JORGE L
VILLAVICENCIO
Digitally signed by JORGE L
VILLAVICENCIO
Date: 2024.05.07 22:13:46
-04'00'

TABLE 1106.3 VERTICAL LEADER SIZING	
SIZE OF LEADER (inches)	CAPACITY (gpm)
2	30
2 x 2	30
1 1/2 x 2 1/2	30
2 1/2	54
2 1/2 x 2 1/2	54
3	92
2 x 4	92
2 1/2 x 3	92
4	192
3 x 4 1/2	192
3 1/2 x 4	192
5	360
4 x 5	360
4 1/2 x 4 1/2	360
6	563
5 x 6	563
5 1/2 x 5 1/2	563
8	1208
6 x 8	1208

For SI: 1 inch = 25.4 mm, 1 gallon per minute = 3.785 L/m.

PIPE SIZE (inches)	VERTICAL DRAIN	CAPACITY (gpm)			
		SLOPE OF HORIZONTAL DRAIN			
		1/8 inch per foot	1/4 inch per foot	1/2 inch per foot	3/4 inch per foot
2	34	15	22	31	44
3	87	39	55	79	111
4	180	81	115	163	231
5	311	117	165	234	331
6	538	243	344	487	689
8	1,117	505	714	1,010	1,429
10	2,050	927	1,311	1,855	2,623
12	3,272	1,480	2,093	2,960	4,187
15	5,543	2,508	3,546	5,016	7,093

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 gallon per minute = 3.785 L/m.

FLORIDA BUILDING CODE — PLUMBING, 7TH EDITION (2020)

ROOF AREAS

GPM=AREA 1 x 0.052, FBC P 1101.7 C
GPM=1,039 SQ. FT. x 0.052
GPM=54.0

GPM=AREA 5 x 0.052, FBC P 1101.7 C
GPM=975 SQ. FT. x 0.052
GPM=50.7

GPM=AREA 2 x 0.052, FBC P 1101.7 C
GPM=1,018 SQ. FT. x 0.052
GPM=52.9

GPM=AREA 6 x 0.052, FBC P 1101.7 C
GPM=1,398 SQ. FT. x 0.052
GPM=72.69

GPM=AREA 3 x 0.052, FBC P 1101.7 C
GPM=1,304 SQ. FT. x 0.052
GPM=67.8

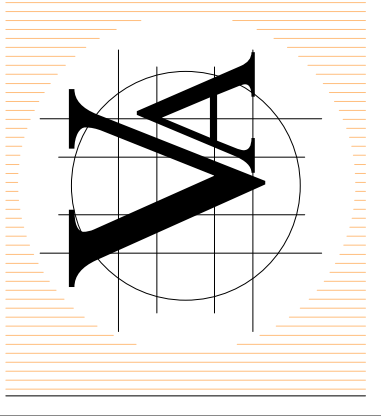
GPM=AREA 4 x 0.052, FBC P 1101.7 C
GPM=769 SQ. FT. x 0.052
GPM=39.9

REV	Date	Description
1	10-20-2023	Building comment
2	02-20-2024	Building comment
3	03-27-2024	Zoning Comment

FIDANZA'S FAMILY HOUSE
NEW CONSTRUCTION
11041 SW 77TH AVE, VILLAGE OF
PINECREST, FL 33156



VILLA & ASSOCIATES INC.
ARCHITECTURE PLANNING INTERIOR DESIGN
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CONSULTANT: ARCHI-TEK STUDIO CORP.
TEL. 305-799-8016 - E-Mail maguilar@architekstudio.com



DATE:
10-20-2022
SCALE:
AS
SHOWN
PROJECT NO:
ROOF PLAN
DRAWING NO:
A-1.2