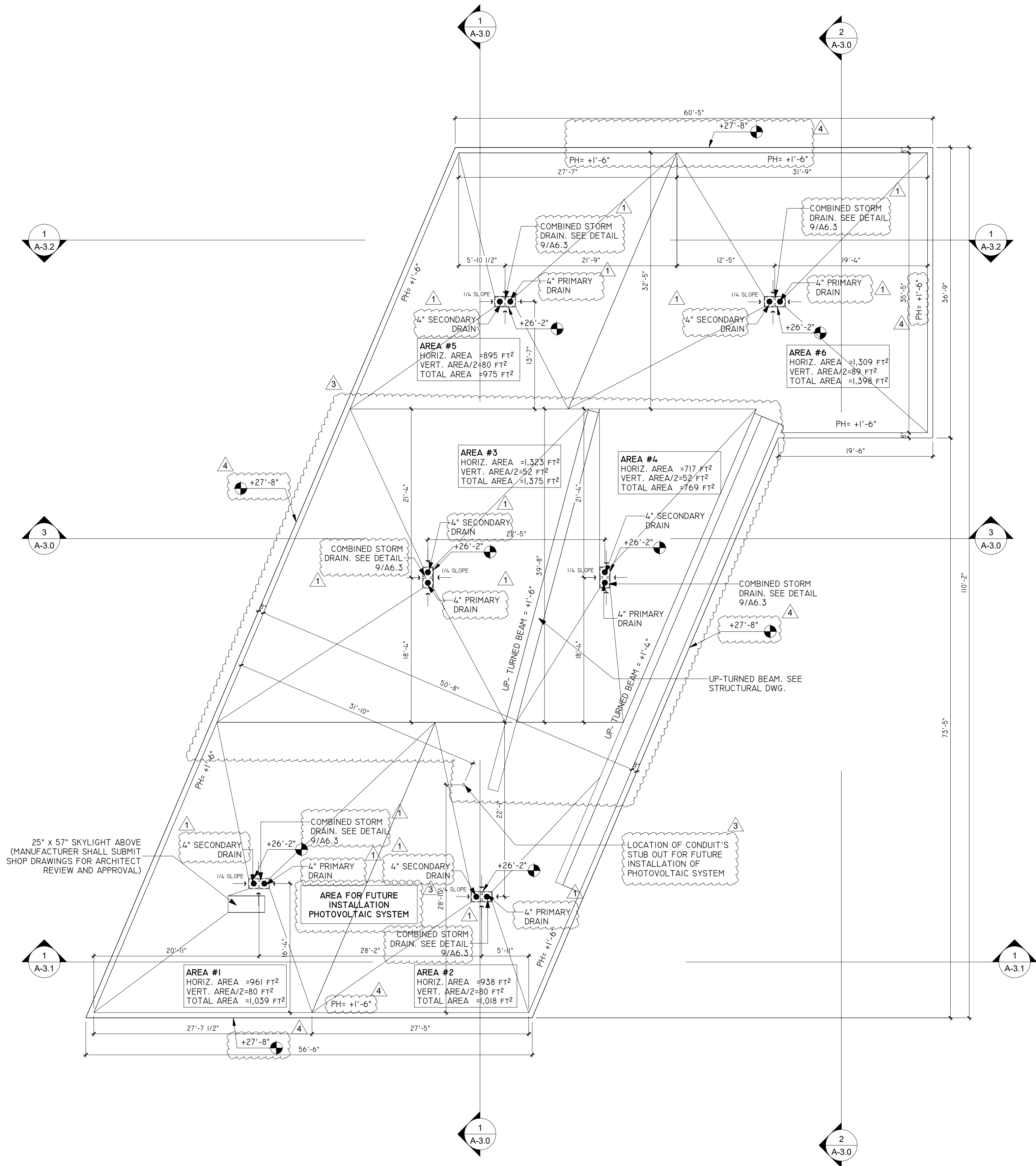




1 ROOF
A-1.2 1/8" = 1'-0"

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 POYISO 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 EFFEC

** 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 ARCHIEVED, 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.

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	30
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.

TABLE 1106.2 STORM DRAIN PIPE SIZING					
PIPE SIZE (inches)	CAPACITY (gpm)				
	VERTICAL DRAIN	SLOPE OF HORIZONTAL DRAIN			
		$\frac{1}{8}$ inch per foot	$\frac{1}{4}$ inch per foot	$\frac{1}{2}$ 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