



DESIGN

PREPARED FOR

Name Terrell Brown

Address 10823 Braes Forest Drive, Houston, TX, houston , TX 77071

Project Size in KW 13.6 kW

Type of Project Solar

NEED SERVICE?

For monitoring, additional panels, critter guards, system or roof repairs:

 (800) 504-2337, Option 4  service@freedomspower.com  freedomspower.com/service-department

LEAD ID: 107301

CONSTRUCTION SUMMARY

- (34) (SPR-U-400-BLK-W-DC (WAAREE WSMD-400)) SOLAR MODULES, 13.6 kW DC STC
MODULE DIMENSIONS = 40.9" X 75.7" X 1.38"
- (34) ENPHASE IQ7HS-66-M-US [240V] PV INVERTERS
COMBINED INVERTER OUTPUT = 13.06 kW AC.
- (269) (25 X 10.75') LINEAR FEET SUNPOWER INVISIMOUNT
- (84) QUICKBOLT QB2 ROOF ATTACHMENTS
- (1) SUNPOWER MONITORING

SITE DETAILS

ROOF TYPE: ASPHALT SHINGLE
 ARRAY #1 - TILT = 22°, AZIMUTH = 180°
 ARRAY #2 - TILT = 6°, AZIMUTH = 90°
 ARRAY #3 - TILT = 23°, AZIMUTH = 247°
 ARRAY #4 - TILT = 21°, AZIMUTH = 157°
 INSTALLATION DIFFICULTY = 12 => HARD

**FALL PROTECTION
REQUIRED**

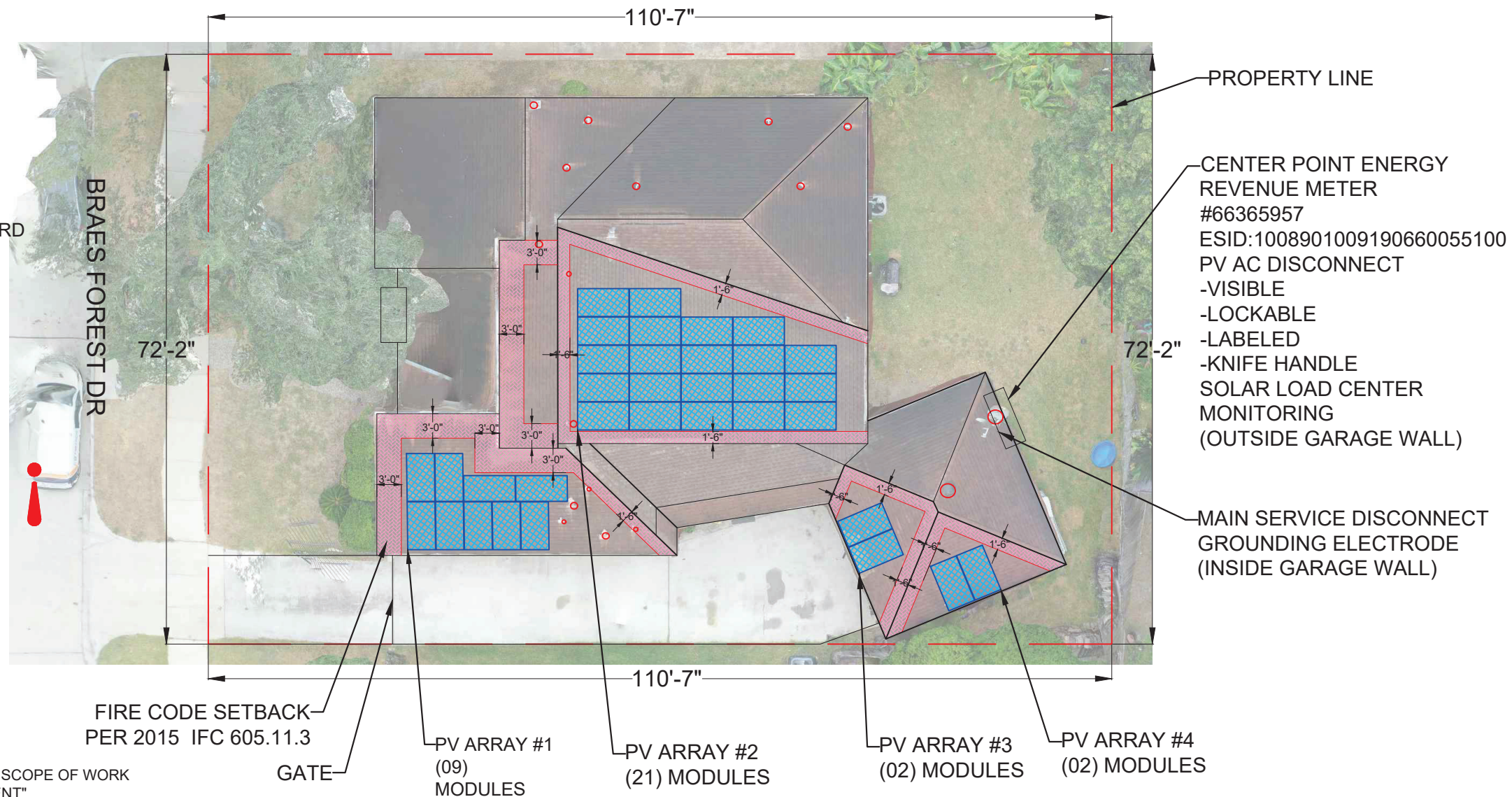
ROOF AREA = 3769.91 SQFT
 ARRAY AREA = 731.03 SQFT
 AREA COVERED BY ARRAY = 19.39%

NOTES:-

- "NO ENCROACHMENT INTO EASEMENTS BY NEW SCOPE OF WORK (SOLAR PANEL, RACK/RAIL SYSTEMS & EQUIPMENT"
- "NO CUT AND COVER OF VENTS"

CONSTRUCTION NOTES

- 1.) ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 2.) ALL OUTDOOR EQUIPMENT SHALL BE RAIN-TIGHT WITH MINIMUM NEMA 3R RATING.
- 3.) ALL LOCATIONS ARE APPROXIMATE AND REQUIRE FIELD VERIFICATION.



DESIGN BY:
FREEDOM SOLAR LLC

REVISIONS		
DESCRIPTION	DATE	REV
DESIGN PACKET	10/20/2022	A

CONTRACTOR

FREEDOM SOLAR POWER
 FREEDOM SOLAR LLC
 4801 FREIDRICH LN, STE 100
 AUSTIN, TX 78744
 TECL # 28621
 TBPE FIRM # F-17690

PROJECT NAME

BROWN, TERRELL
 10823 BRAES FOREST DR
 HOUSTON, TEXAS, 77071
 (832) 576-0277

SHEET NAME

SITE MAP & PV LAYOUT

SHEET SIZE

ANSI B
11" x 17"

SHEET NUMBER

PV-1