

PLAN KEY	
PV-1	COVER PAGE
PV-1.1	COVER PAGE CONT.
PV-2	PANEL LAYOUT
PV-2.1	PLOT PLAN
PV-3	LAYOUT DETAIL
PV-4	ELECTRICAL
PV-5	EQUIPMENT LABELS

SYSTEM INFORMATION	
MODULE	HANWHA Q.PEAK DUO BLK ML-G10+ 400
INVERTER	ENPHASE IQ7PLUS-72-2-US-240V
RACKING	ROOFTECH RT-MINI W/ ECOFASTEN CLICKFIT RAIL RACKING SYSTEM
SYSTEM SIZE (DC)	4.4 KW
LOCATION	30.3451268,-95.5309158

SATELLITE AERIAL PHOTO



GENERAL NOTES:

THIS PV SYSTEM HAS BEEN DESIGNED TO MEET THE MINIMUM DESIGN STANDARDS FOR BUILDING AND OTHER STRUCTURES, ALL ASPECTS OF THE INSTALLATION SHALL COMPLY WITH THE 2015 INTERNATIONAL RESIDENTIAL CODE. WITH ALL TEXAS AMENDMENTS, ASCE 7-10, NEC 2014 (NFPA 70), ALL LOCAL GOVERNING COUNTY AND MUNICIPAL ORDINANCES ADOPTED BY REFERENCE OR ENACTED BY LAW, ALL INSTALLATION INSTRUCTIONS PREPARED BY THE MANUFACTURER.

ROOF SHALL HAVE NO MORE THAN TWO LAYERS OF COVERING IN ADDITION TO THE SOLAR EQUIPMENT.

INSTALLATION OF SOLAR EQUIPMENT SHALL BE FLUSH MOUNTED, PARALLEL TO AND NO MORE THAN 6-INCHES ABOVE THE SURFACE OF THE ROOF.

WEIGHT OF THE INSTALLED SYSTEM SHALL NOT EXCEED MORE THAN 5-PSF FOR PHOTOVOLTAIC AND NO MORE THAN 6-PSF FOR RESIDENTIAL SOLAR HOT WATER SYSTEMS.

ANY PLUMBING VENTS ARE NOT TO BE CUT OR COVERED FOR SOLAR EQUIPMENT INSTALLATION. ANY RELOCATION OR MODIFICATION OF THE VENT REQUIRES A PLUMBING PERMIT AND INSPECTION.

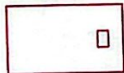
INVERTER PLACEMENT:

SYSTEM UTILIZES "ENPHASE" MICRO-INVERTERS WITH RAPID SHUTDOWN CONTROL LOCATED ON THE BACK SIDE OF EACH MODULE.

BUILDING REVIEW NOTE:

TOWN BUILDING PLANS EXAMINER HAS RECEIVED THE ENCLOSED DOCUMENT FOR MINIMUM ACCEPTABLE PLAN SUBMITTAL REQUIREMENTS OF THE TOWN AS SPECIFIED IN THE BUILDING AND/OR RESIDENTIAL CODE OF THE STATE OF TEXAS. THIS REVIEW DOES NOT GUARANTEE COMPLIANCE OF THAT CODE. THAT RESPONSIBILITY IS GUARANTEED UNDER THE SEAL AND SIGNATURE OF THE TEXAS LICENSED DESIGN PROFESSIONAL OF RECORD. THAT SEAL AND SIGNATURE HAS BEEN INTERPRETED AS AN ATTESTATION THAT, TO THE BEST OF THE LICENSEE'S BELIEF AND INFORMATION, THE WORK IN DOCUMENT IS:

1. ACCURATE
2. CONFORMS WITH GOVERNING CODES APPLICABLE AT THE TIME OF THE SUBMISSION.
3. CONFORMS WITH REASONABLE STANDARDS OF PRACTICE AND WITH VIEW TO THE SAFEGUARDING OF LIFE, HEALTH, PROPERTY AND PUBLIC WELFARE IS THE RESPONSIBILITY OF THE LICENSEE.



HANWHA Q.PEAK DUO BLK ML-G10+ 400
400 WATT MODULE
74" X 41.1" X 1.26"
(SEE DATASHEET)

CLIMATIC & GEOGRAPHIC DESIGN CRITERIA TABLE R301.2(1)	
GROUND SNOW LOAD	5 LBS/SF
SPEED (MPH)	125
TOPOGRAPHIC EFFECTS	NO
SPECIAL WIND REGION	NO
WIND BORNE DEBRIS ZONE	2
SEISMIC DESIGN CATEGORY	A
CLIMATE ZONE	2A
WIND EXPOSURE CATETORY	B

BILL OF MATERIALS	
MODULES	11
INVERTERS	11
L-FOOT W/ RT-MINI	22
168" RAILS	5
ENPHASE COMBINER BOX	1
60A NON-FUSIBLE AC DISCONNECT	1
20A BACKFEED BREAKER	1

Solar Equipment

Hills of Westlake 50' & 60'

Interior Features

- Wood look vinyl flooring in all bathrooms and 1st floor areas except bedrooms
- Built-in Home Automation controlled from a single app
- Full wrought iron stair parts (Per Plan)
- Elongated commodes in all baths
- Semi-frameless shower enclosure in Bathroom 1
- MOEN lifetime warranty plumbing fixtures
- SHERWIN WILLIAMS paint
- Flat Panel Maple cabinets in Bathroom 1 with high Vanities
- Cultured Marble counter tops in all bathrooms
- Double sinks in bathroom 1 (and secondary bathrooms if applicable)
- Acrylic garden tub with separate shower and tile surround
- Porcelain Pedestal Sink in Powder Room
- Smoke detectors
- Wood shelving all closets, pantry and utility
- Telephone wiring family and bedroom 1 (study and game room if applicable)
- Cable wiring family and bedroom 1 (study and game room if applicable)
- Ceiling fan in Bedroom 1 and family room (study and game room if applicable)
- Brushed nickel interior and exterior door hardware

Kitchen Features

- Whirlpool® Stainless Steel appliances (microwave, dishwasher & gas range)
- DUPURE® drinking water filtration system
- Recessed cans LED lighting
- 42" Flat Panel maple cabinets with crown molding
- ~~Under cabinet lighting~~
- Granite counter tops with square edge w/ backsplash
- Tile back splash
- Stainless steel under mount kitchen sink with garbage disposal and vegetable sprayer
- Ice maker connection for refrigerator

Exterior Features

- 3 sides brick – 1st Floor
- Covered patio
- 8' Double Bore Painted Front Door
- Sprinkler system
- Front Gutters
- 30 year shingles
- Landscape Package (incl. full sod front/back)
- Cast Stone Address Plaque
- Double Bore Painted Fiberglass Full Lite Back Door
- Divided lite windows on front elevation
- Garage door opener
- Coach lights (per plan)

Construction & Energy Features

- RINNAI Tankless Water Heater
- HERS (Home Energy Rating System) Index
- Radiant Barrier
- High efficiency 16 SEER air conditioning system with programmable thermostat
- BORA-CARE® application to protect building materials against wood destroying insects and fungi
- 10 Year Homebuyer's Warranty
- R-13 fiberglass insulation in exterior walls
- R-19 / R-30 fiberglass insulation in ceiling areas
- Fully sheet rocked and painted garage
- Post tension slab
- Double pane, Low-E, vinyl window
- Third party quality inspections throughout construction process

Hills of Westlake – 226 Pleasant Hill Way, Conroe, TX 77304 · drhorton.com/houston

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Recreation / Entertainment

- Lake Conroe
- Time to Spare Bowling.....936-445-2695
- Creighton Theatre.....936-441-7469

Shopping / Restaurants

- Vernon Katfish.....936-760-3386
- Pizza Shack.....936-597-9488
- Tony's Italian.....936-588-4800
- Grand Central Shopping...I-45 & 336
- Woodlands Shopping.....I-45 & Woodlands Parkway

Schools

- Giesinger Elem. K-4.....936-709-2600
- Cryar Inter. 5th/6th936-709-7300
- Peet Jr. High 7th/8th.....936-709-3700
- Conroe HS 9th/12th.....936-709-5700

Post Office

- US Post Office/Conroe.....800-275-8777
- 809 W Dallas St.
Conroe, TX 77301
(Bring Drivers License & Closing Papers)

Public / Health Services

- HCA Hospital.....936-539-1111
- Methodist Woodlands.....936-270-2000
- TX Children's Woodlands.....936-267-5000

Places of Worship

- W. Conroe Baptist.....936-756-1988
- The Ark Church.....936-756-1988
- Church of Christ.....936-756-8988

Utilities

- Entergy Electric.....800-368-3749
- CenterPoint Gas.....800-752-8036
- Suddenlink (Cable/Internet).....936-235-5614
- Hayes Utility/MUD #42.....936-588-1166
- Texas Solid Waste.....281-457-2552

Taxes

- Montgomery County.....1.9103%
- MUD 42.....1.07%
- Total Rate 2.9803%

Home Owners Association: \$650 annually

- Post Oak Property Mgmt.....281-647-6119

27101 Westheimer Pkwy
Katy, TX 77494

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