DEVELOPMENT CERTIFICATIONS FORM

Copy all pages of this form and all attachments for (1) community official, (2) building owner.

If any section is not applicable to the proposed development project please mark that section "NA"

SECTION A - PROPERTY INFORMATION					FOR COUNTY USE ONLY		
A1. Building/Site Owner's Name Bunker Hill Builders LLC						Permit Number: 2021 - 0140	
A2. Building/Site Street Address						mittal:	
10 Hunters Creek Dr						3-25-2021	
City Huntsville TR					ZIP Code 71340		
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)							
Lot 29 Black 3 Section 1							
A4. Latitude/Longitude: Lat. N.2635 19 F9" Long. W.9536 51.10" Hortzontal Datum: NAD 1927 X NAD 1983							
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION  (For projects involving multiple map panels an additional sheet may be listed below or included in an additional attachment)							
B1. NFIP Community Na	ame & Commi	unity Number	B2. County I	Name		B3. State	
Walker Country Unicorp Ares 481042 Walker Country						TX	
B4. Map/Panel Number	B5. Suffix	86. FIRM Index Date		anel Effective/ Revised Da	te 88.	. Flood Zone(s)	
4847160500	D	8/16/2011	Bluel	ZOU	X	and AE	
B9. Indicate elevation datum used for/ on FIRM Panel in Item B7 NGVD 1929 NAVD 1988 Other/Source:							
	SE	CTION C - PROJEC	T DESCRIPT	TION AND ATTACHMEN	ITS		
(At a minimum a general p	roject descript	ion and plan set shall be	e submitted wi	th this form. The documen	ts listed below	shall be included with this	
form and any additional ca	Documen		a separate sit	Date of Document	Signatory/Author		
Construction Documents for 2 story Rosidar				ue oller/21		HILDESIGN PUC	
Engineered Dra	w 265		•	03/03/21	Hardric	ks Engineers	
Engineered Drowings Fell 15the Noval Remoting				03/22/21	M. Swarson M. Partidge		
Warranty Deed				12/21/20			
all Aldress Remest & On-Sile Squar				3/20/21	M. Swenson		
SECTION D - BASE FLOOD ELEVATION UTILIZED IN DESIGN							
( A copy of a Determination of Base Flood Elevation Form must be submitted and the number below correspond with the elevation that appears in subsection E3. For large projects subject to varying or multiple flood heights please place an "X" in the box and initial adjacent to D2)							
171 AS	Minin	mun. Finish Floo	or		-10.0	<b>ノナ・</b>	
D1) U.V. The Base Fleed Elevation utilized for the project design la: 60 1.00 ft							
D2) This project is subject to multiple Base Flood Elevations, the BFE is provided in attached plans/submittals as project overlay, detailed method of determination, drainage plans, and BFE impact summary.							
SECTION E - INCREASES TO OR IMPACT ON FLOODWAY OR BASE FLOOD							
(Regulred for all development projects within a regulated Area of Special Flood Hazard)							
I, the below signed Engineer/Architect do hereby certify that: (Please Mark one of the following with an "X" and Initial)							
E1) X The development is in an area where no regulatory floodway has been designated and the below signed							
certifies that he/she has analyzed the effects of the proposed development, and found that the proposed development when							
combined with other existing and anticipated development, will not increase the water surface elevation of the base flood by more than 1 foot at any point within the community.							
E2) The development is in an area where a regulatory floodway has been designated, and the below signed certifies that the development is not being constructed within the floodway, will not impact the floodway, and will not result in any increase to the surface elevation of the base flood by more than 1 foot.							
E3) The development is proposed to be partially or wholly located within a designated floodway, but the below							
signed certifies that hydrologic and hydraulic analyses have been performed in accordance with standard engineering practice							
and the proposed encroachment will not result in increased flood levels within the community during the occurrence of the base							
flood discharge. (analysis and "no-rise" certification attached)							

Initials of Certifier

SECTION F – ALTERATION OR RELOCATION OF WATERCOURSE OR NATURAL DRAINAGE (Required for all development projects within a regulated Area of Special Flood Hazard)						
I, the below signed/Engineer/Architect do hereby certify that: (Please Mark one of the following with an "X" and Initial)						
F1) The development does not include plans to alter or relocate any watercourse or natural drainage.						
F2) The development will alter or relocate a watercourse or drainage, and a description of such relocation or alteration is attached and has been designed to have no adverse impact on flooding or adjoining properties, and that the flood carrying capacity within the altered or relocated portion of any watercourse will be maintained. (In most cases where a watercourse or natural drainage has been altered or relocated a CLOMR and/or LOMR may be required.)						
SECTION G - BUILDING CERTIFICATIONS						
(Sections G-J are required for all projects involving a structure if not applicable to your project mark with "NA" in each blank)						
I, the below signed Engineer/Architect do hereby certify that: (Mark with an "X" and initial all that apply / in most cases all 5 will apply):  G1)   G1)   G2)   G3)   G3)   G4)   G4)   G5)   G6)   G6)   G6)   G7)   G8)   G8)   G9)   G9)						
G2) X designed to use materials resistant to flood damage,						
G3) X designed to utilize methods and practices that minimize flood damages, including flood vents where appropriate.						
G4) A designed with electrical, heating, ventilation, plumbing, and air conditioning equipment and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding. All electrical, heating, ventilation, plumbing, and mechanical equipment are designed at least twelve (12) inches above the BFE.						
G5) X The proposed plans for construction and methods used have been designed to comply with the current Walker County Floodplain Regulations, including but not limited to sections 5:01 and 5:02, and the applicable sections of existing guidance and technical bulletins as published by the Federal Emergency Management Agency (FEMA).  Copies of these publications can be found at:						
http://www.fema.gov/floodplain-management/floodplain-management-publications Including but not limited to:						
Above the Flood: Elevating Your Floodprone House, FEMA 347 Below-Grade Parking Requirements, FIA-TB-6						
Crawlspace Construction for Buildings Located in Special Flood Hazard Areas, FIA-TB-11 Design Guidelines for Flood Damage Reduction, FEMA 15						
Elevated Residential Structures, FEMA 54 Elevator Installation, FIA-TB-4 Ensuring that Structures Built on Fill in or Near Special Flood Hazard Areas are Reasonably Safe From Flooding, FIA-TB-10						
Flood-proofing Non-Residential Structures (Full Document), FEMA 102 Non-Residential Floodproofing — Requirements and Cartification (Techincal Bulletin), FIA-TB-3						
Flood Damage-Resistant Meterials Requirements, (Technical Bulletin 2) (2008) Free-of-Obstruction Requirements, (Technical Bulletin 5) (2008)						
NFIP Technical Bulletins						
Non-Residential Floodproofing Requirements and Certification, FIA-TB-3  Openings in Foundation Walls and Walls of Enclosures, (Technical Bulletin 1) (2008)						
Protecting Building Utilities from Flood Damage, FEMA 348 Reducing Losses in High Risk Flood Hazard Areas: A Guidebook for Local Officials, FEMA 116						
Selecting Appropriate Mitigation Measures for Floodprone Structures, FEMA 551 Wet Floodproofing Requirements, FIA-TB-7						
SECTION H -BUILDING DESIGN ELEVATION CERTIFICATION  (All design elevations shall be given in the same elevation datum used for the elevation in section D1)						
m : al						
H1) The minimum designed elevation for the top of the lowest floor including basement 200.  H2) The minimum designed elevation for machinery and equipment servicing building 210.						
SECTION I FULLY ENCLOSED AREAS USABLE SOLELY FOR PARKING OF VEHICLES, ACCESS, AND						
STORAGE (enclosed areas includes crawl spaces enclosed by walls or rigid skirting) Mark with an "X" and Intitial						
11) X 17 There are no fully enclosed areas designed or intended below the lowest floor elevation given in H1 above.						
There are fully enclosed areas below the bottom floor that are usable solely for parking of vehicles, building access or storage in an area other than a basement. These areas have been designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. The design for meeting this requirement is hereby certified to meet or exceed the following minimum criteria: a minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided. The bottom of all openings shall be not area.						
higher than one foot above grade. If openings are equipped with screens, louvers, valves, or other coverings or devices they will allow for the automatic entry and exit of floodwaters into and out of the fully enclosed areas. These areas have been designed with flood resistant materials and conform to FEMA's wet flood-proofing requirements, (see G5) and all machinery and equipment are designed to be elevated a minimum of 12 inches above the BFE shown in section D1.						

111111	The second secon							
SECTION J - NON-RESIDENTIAL FLOODPROOFING								
I, the below signed Engineer/Architect do hereby certify that: (Please Mark one of the following with an "X" and Initial)								
J1) All residential or non-residential structures, with the exception of areas addressed by Section I1 and I2, are designed to have their lowest floor including basement elevated at least twelve (12) inches above the BFE.								
J2) The non-residential structure(s) shown on the attached plans and applied for under this permit are, together								
with attendant utility and sanitary facilities, designed so that below the base flood elevation the structure is watertightwith walls								
substantially impermeable to the passage of wat	ter and with structural components having	the capability of resisting hydrostatic						
and hydrodynamic loads and effects of buoyance	<ul> <li>y. (Additional certification and plans may b</li> </ul>	e required for applications under this						
section)								
SECTION K - DESIGN CERTIFICATION								
This certification is to be signed and sealed by a registered engineer or licensed architect authorized by law to practice in the State of								
Texas. Terms utilized in this document shall have the m Management, the Code of Federal Regulations, and FE	eaning assigned to them in the Walker Cour	ty Regulations for Flood Plain						
I - and it is the date of the form of the form consequence of the	heat afforts to interpret the data available, as	ed that the determinations harrin						
I certify that the information on this form represents my where made in compliance with FEMA approved method	best efforts to interpret the data available, at dolonies and standard engineethor practices	Lunderstand that any false						
statement may be punishable by fine or imprisonment.	adiograp and standard drigincoming produces	Tanderstand that any lates						
Certifier's Name	License Number	T						
The state of the s	17402	A STATE OF THE PARTY OF THE PAR						
Danielle M. Frasier	11400	STERED ARCIN						
Title		O'G' ELEM A						
fortner		A TENER						
Company Na	ime	Ex. Com						
Bunkar Hill T	Design Place	**						
Address	DESIGN (DOC	Hen Hen						
N N 0000000000000000000000000000000000	1-1-11	7402 . 50						
193 Interstate	45 504th	OF TE DO						
City	State ZIP Code	- Common						
Huntsville	TR 77340							
Signature	Dete	Telephone						
( ) 7/2-	2/2/21	/ \						
harr Ma	705/01	(713)254-4882						
Additional Notes or Comments:		· ·						
SECTION L - AS-BUILT CONSTRUCTION CERTIFICATION								
This certification is to be signed and sealed by a registered engineer or licensed architect authorized by law to practice in the State of								
Texas after completion of the construction or development.								
I, the below signed, certify that the project referenced ab	pove has been properly inspected and has be	en developed in compliance with						
the plans and information included and certified above, and that the finished development is completed in compliance with the requirements of the Walker County Floodplain Regulations, the specific provisions certified above, and the plans referenced in								
"Section C", with the exceptions listed below.	ons, the specific provisions certified above,	and the plans relevanced in						
Cartifier's Name	License Number							
Cottine a Marite	Liosido Hamboi	1						
A								
Additional Notes or Comments on Finished Construction	n							
		Place						
		Seal						
		Here						
		1						
		1						
		4						
<u> </u>	N-4-	 Telephone						
Signature	Date	raiohiinia						

Initials of Certifier