

**CERTIFICATE OF APPROPRIATENESS**

**Application Date:** January 6, 2016

**Applicant:** Kenneth A. Newberry, AIA, Newberry Campa Architects, LLC, for Steven and Sherrie Robinson, owners

**Property:** 1118 Tulane Street, Lot 27, Tract 26, Block 204, Houston Heights Subdivision. The property includes a historic 1,028 square foot, one-story wood frame stone veneer single-family residence and detached garage situated on a 6,600 square foot (50' x 132') interior lot.

**Significance:** Contributing Craftsman residence, constructed circa 1920, located in the Houston Heights Historic District West.

**Proposal:** Alteration – Revision. The applicant was granted a COA in April 2015 to construct a 2,886 square foot one-and-a-half-story addition and attached alley loading garage to a one story residence. The addition measured 37' x 56' and will be 22' in height. Additionally, the existing foundation is damaged beyond reasonable repair and was to be replaced and the house was to be raised 11¾" to have a finished floor height of 1'-9". Due to the new foundation, the existing stone veneer was to be removed, numbered, photographed, and reinstalled in the same exact location.

In addition to the previously approved addition, rebuilding the foundation, and removing and reinstalling the stone veneer, the applicant now requests to raise the house up and additional foot, to a finished floor height of 2'-9 1/8" above existing grade due to site conditions. This will lead to all of the previously approved height to be increased by about one foot. Several of the windows on the proposed addition will also be shifted and relocated.

See enclosed application materials and detailed project description on p. 4-29 for further details.

**Public Comment:** No public comment received.

**Civic Association:** No comment received.

**Recommendation:** Approval

**HAHC Action:** -

**APPROVAL CRITERIA**

**ALTERATIONS, REHABILITATIONS, RESTORATIONS AND ADDITIONS**

Sec. 33-241: HAHC shall issue a certificate of appropriateness for the alteration, rehabilitation, restoration or addition of an exterior feature of (i) any landmark, (ii) protected landmark, (iii) any building, structure or object that is part of an archaeological site, or (iv) contributing building in a historic district upon finding that the application satisfies the following criteria, as applicable:

- | <b>S</b>                            | <b>D</b>                 | <b>NA</b>                | <b>S - satisfies</b> | <b>D - does not satisfy</b>   | <b>NA - not applicable</b> |  |
|-------------------------------------|--------------------------|--------------------------|----------------------|---|----------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | (1)                  | The proposed activity must retain and preserve the historical character of the property;  |                            |  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | (2)                  | The proposed activity must contribute to the continued availability of the property for a contemporary use;   |                            |  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | (3)                  | The proposed activity must recognize the building, structure, object or site as a product of its own time and avoid alterations that seek to create an earlier or later appearance;   |                            |  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | (4)                  | The proposed activity must preserve the distinguishing qualities or character of the building, structure, object or site and its environment;   |                            |  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | (5)                  | The proposed activity must maintain or replicate distinctive stylistic exterior features or examples of skilled craftsmanship that characterize the building, structure, object or site;  |                            |  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | (6)                  | New materials to be used for any exterior feature excluding what is visible from public alleys must be visually compatible with, but not necessarily the same as, the materials being replaced in form, design, texture, dimension and scale;   |                            |  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | (7)                  | The proposed replacement of missing exterior features, if any, should be based on an accurate duplication of features, substantiated by available historical, physical or pictorial evidence, where that evidence is available, rather than on conjectural designs or the availability of different architectural elements from other structures;         |                            |  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | (8)                  | Proposed additions or alterations must be done in a manner that, if removed in the future, would leave unimpaired the essential form and integrity of the building, structure, object or site;  |                            |  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | (9)                  | The proposed design for any exterior alterations or addition must not destroy significant historical, architectural, archaeological or cultural material, including but not limited to siding, windows, doors and porch elements and must be compatible with the size, scale, material and character of the property and the area in which it is located; |                            |  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | (10)                 | The proposed alteration or addition must be compatible with the massing, size, scale material and character of the property and the context area; and   |                            |  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | (11)                 | The distance from the property line to the front and side walls, porches, and exterior features of any proposed addition or alteration must be compatible with the distance to the property line of similar elements of existing contributing structures in the context area.   |                            |  |



PROPERTY LOCATION  
HOUSTON HEIGHTS HISTORIC DISTRICT WEST



Building Classification

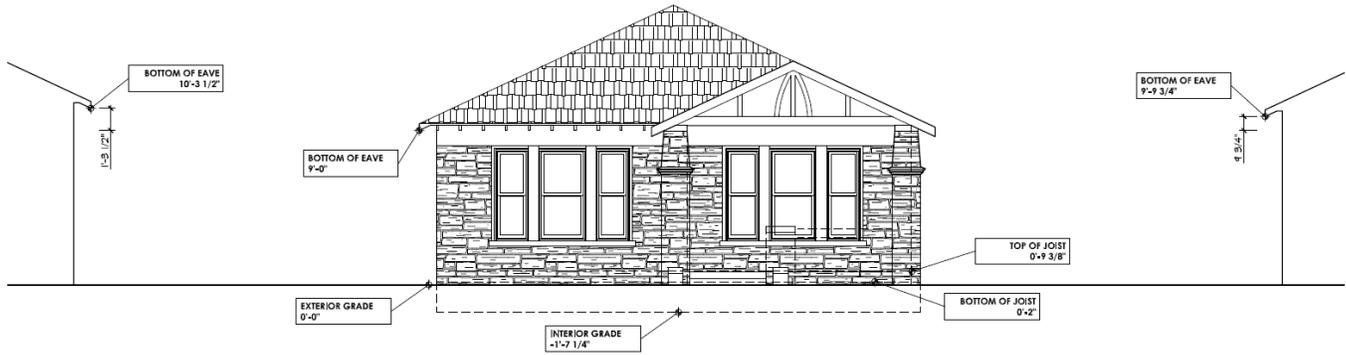
- Contributing
- Non-Contributing
- Park

INVENTORY PHOTO



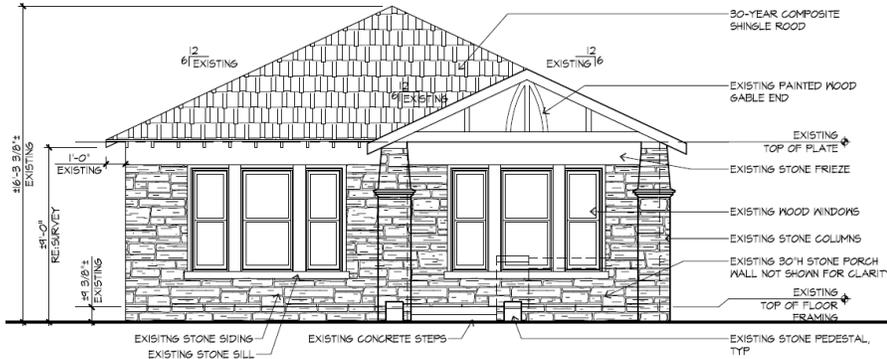
NEIGHBORING PROPERTIES

COMPARISON

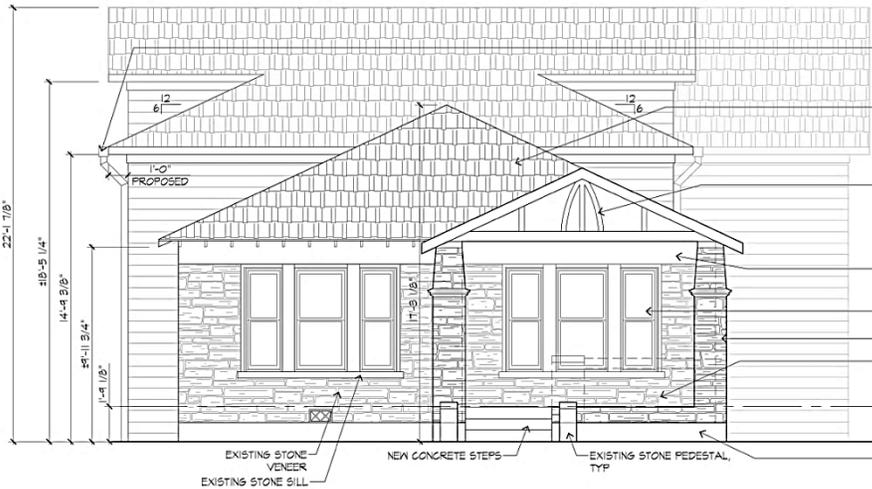


**WEST ELEVATION – FRONT FACING TULANE STREET**

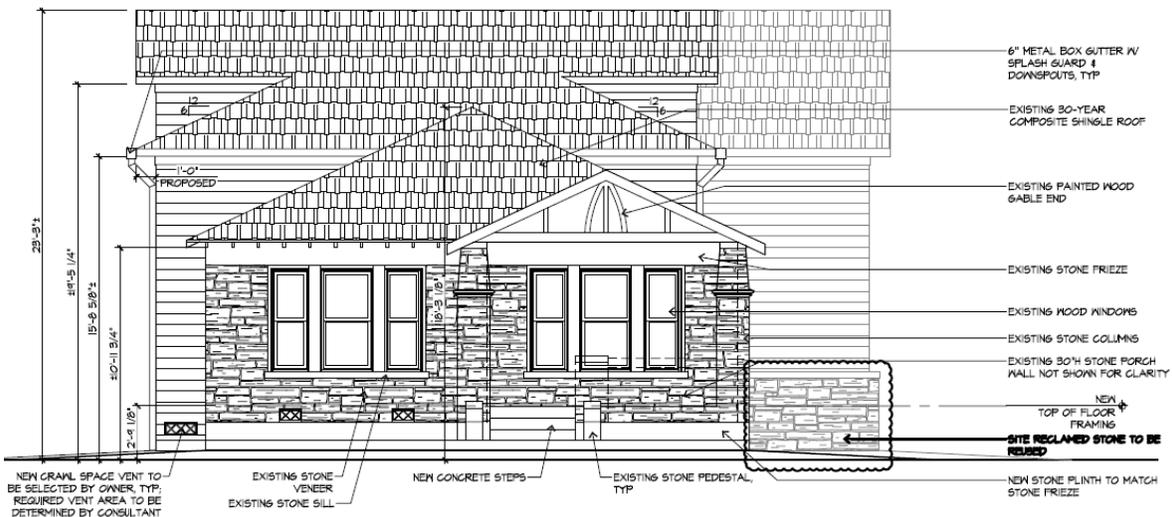
**EXISTING**



**APPROVED APRIL 2015**



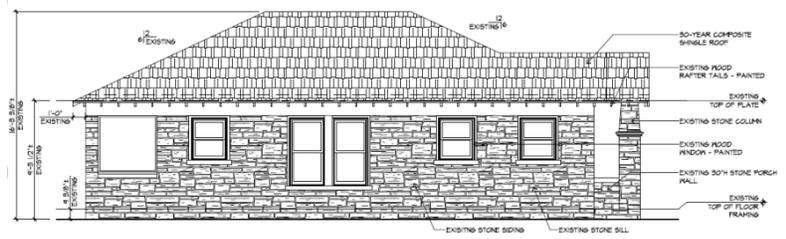
**PROPOSED**



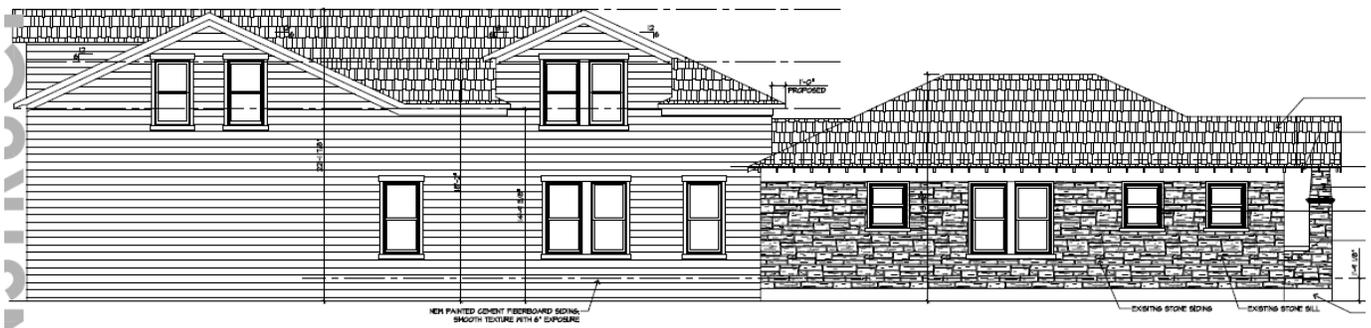


**NORTH SIDE ELEVATION**

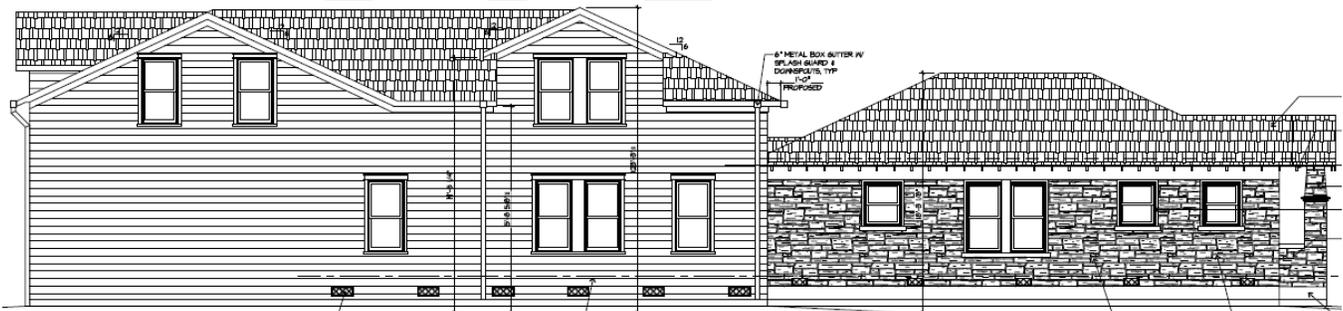
EXISTING



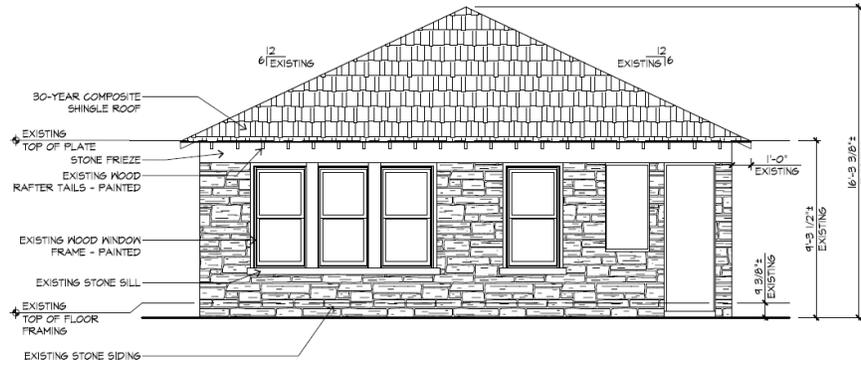
APPROVED APRIL 2015



PROPOSED



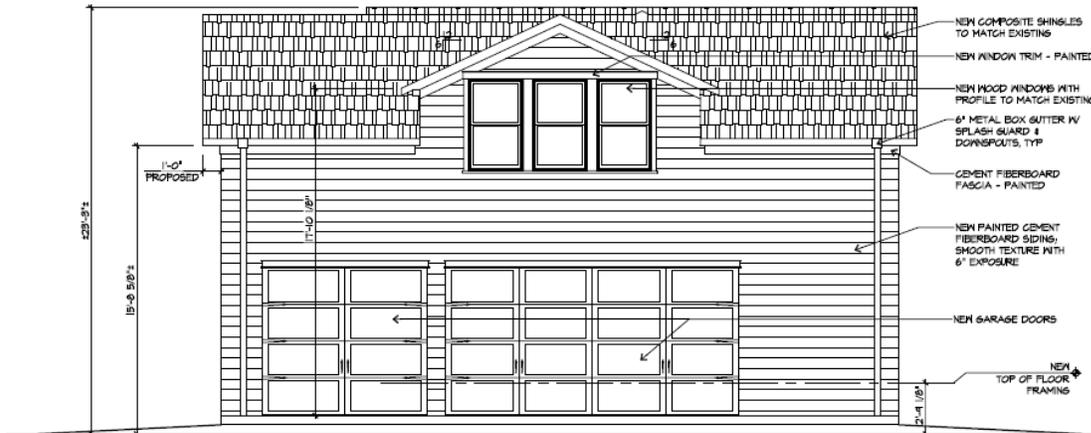
### EAST (REAR) ELEVATION EXISTING



### APPROVED APRIL 2015



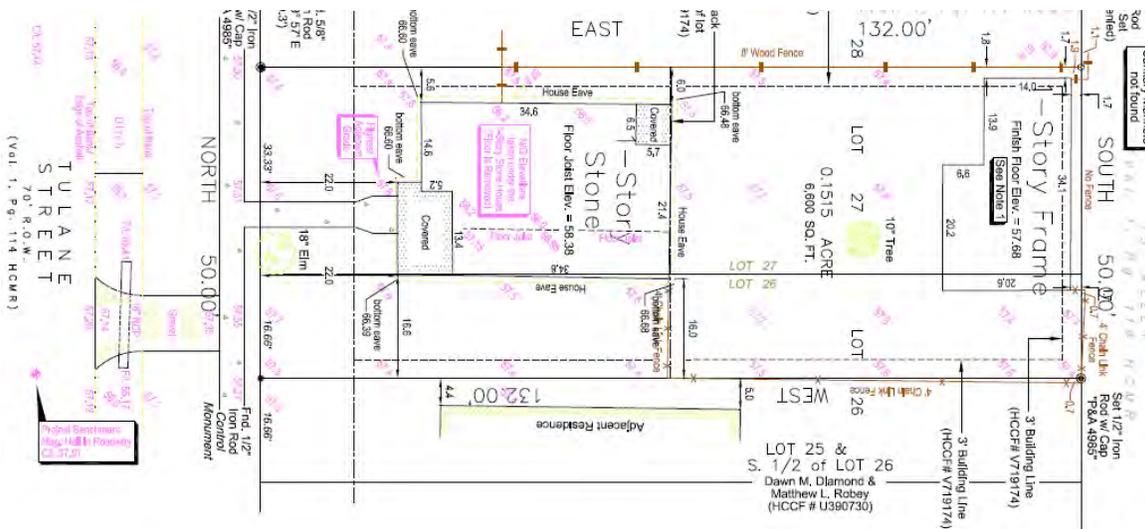
### PROPOSED



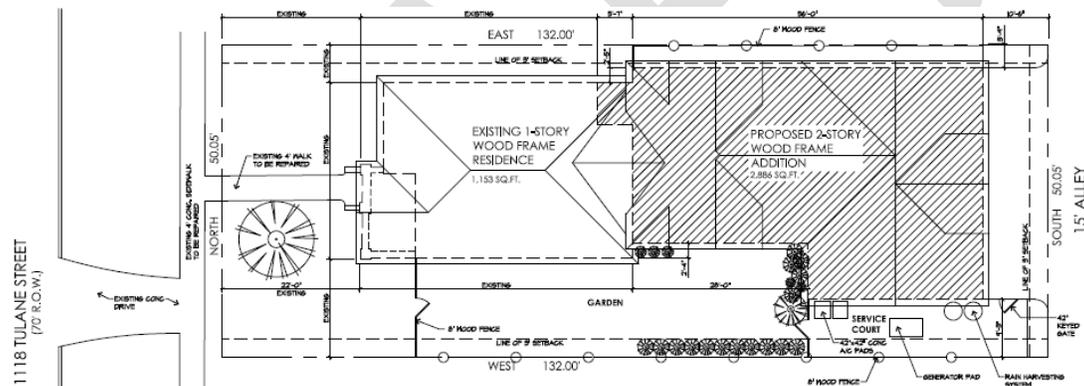


### SITE PLAN

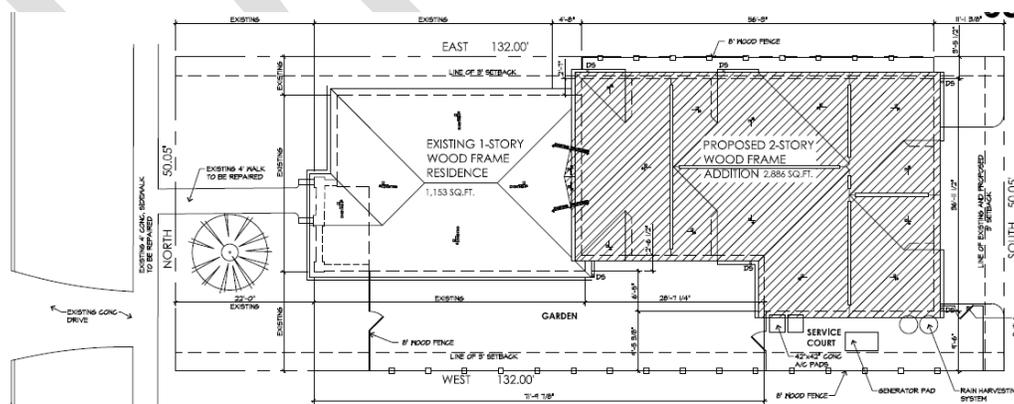
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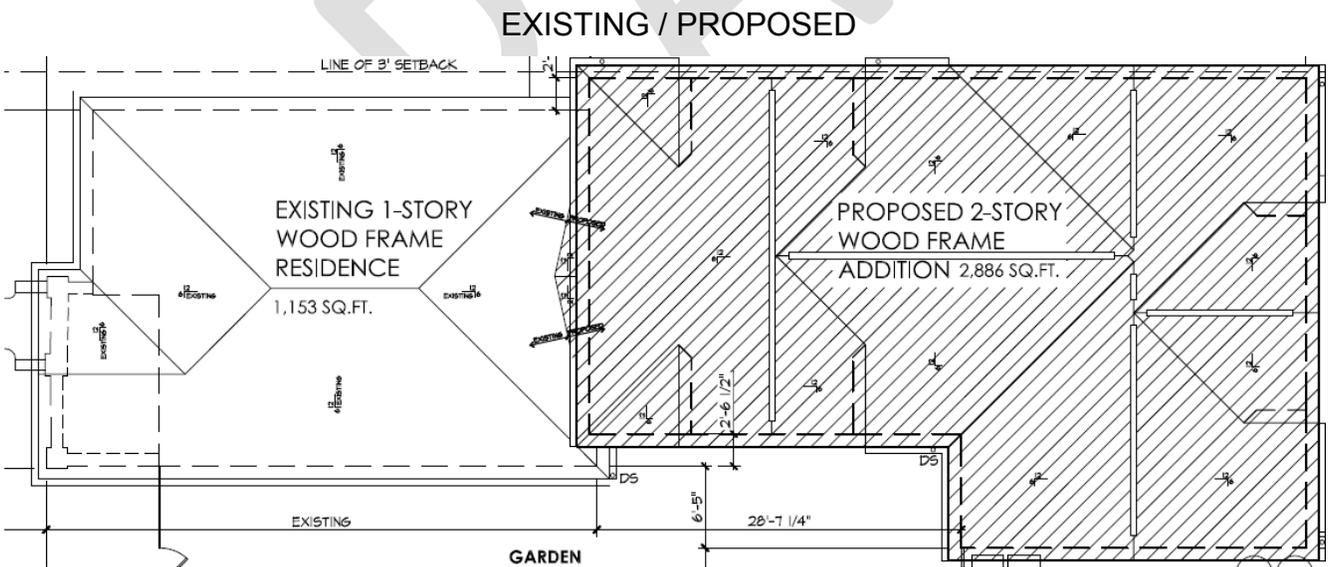
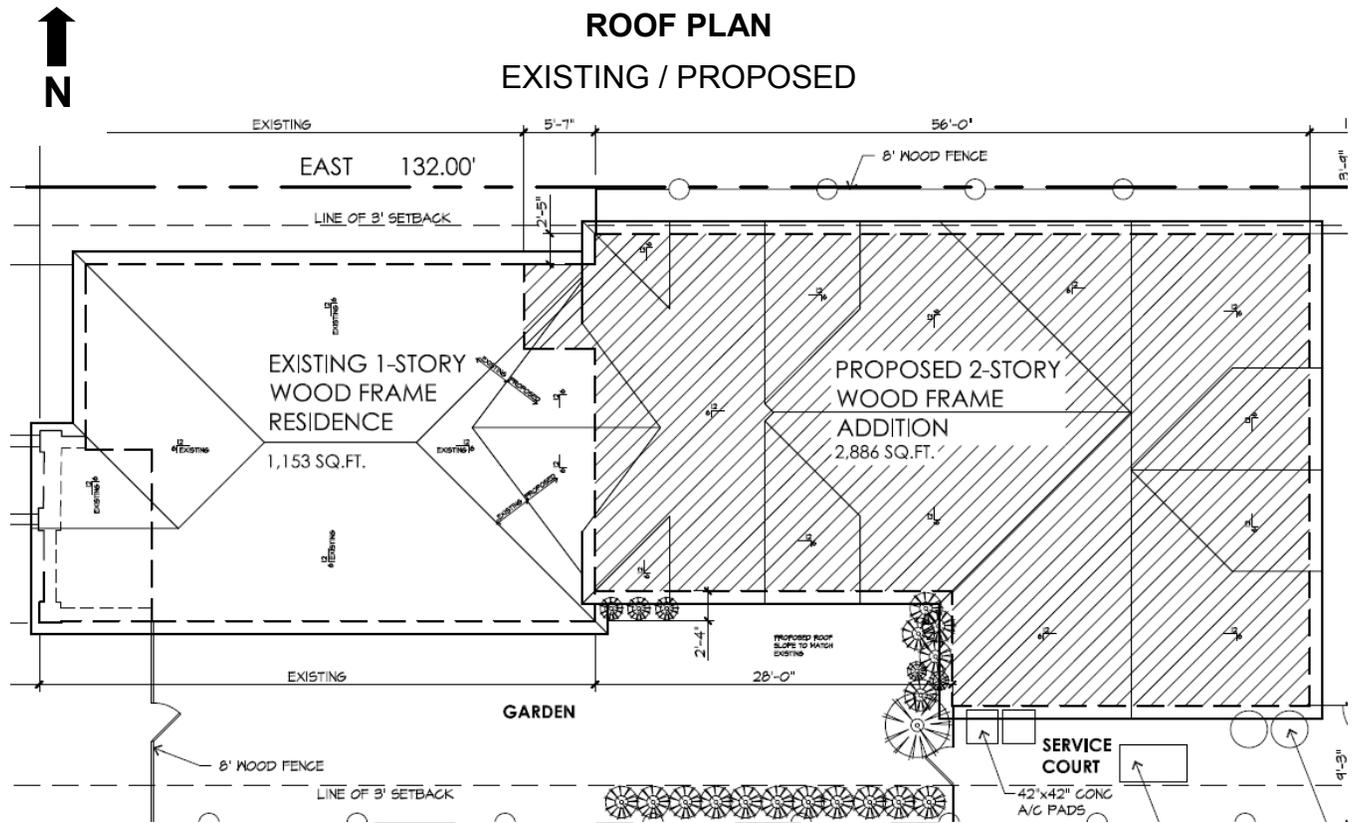


### APPROVED APRIL 2015



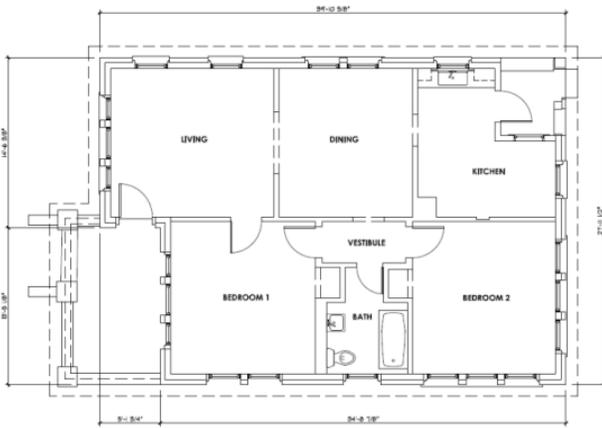
### PROPOSED







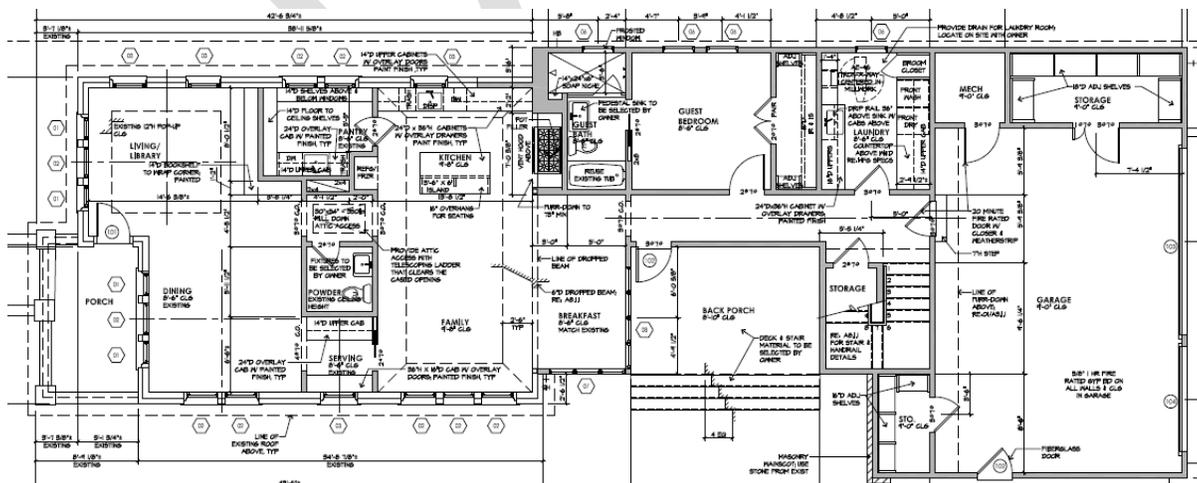
FIRST FLOOR PLAN  
EXISTING



APPROVED APRIL 2015



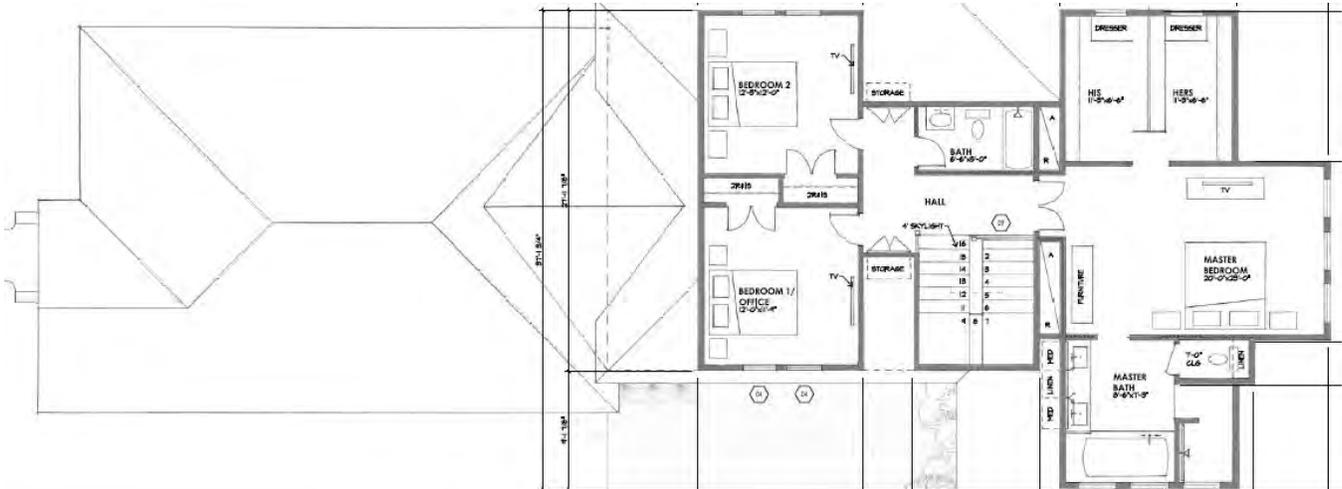
PROPOSED



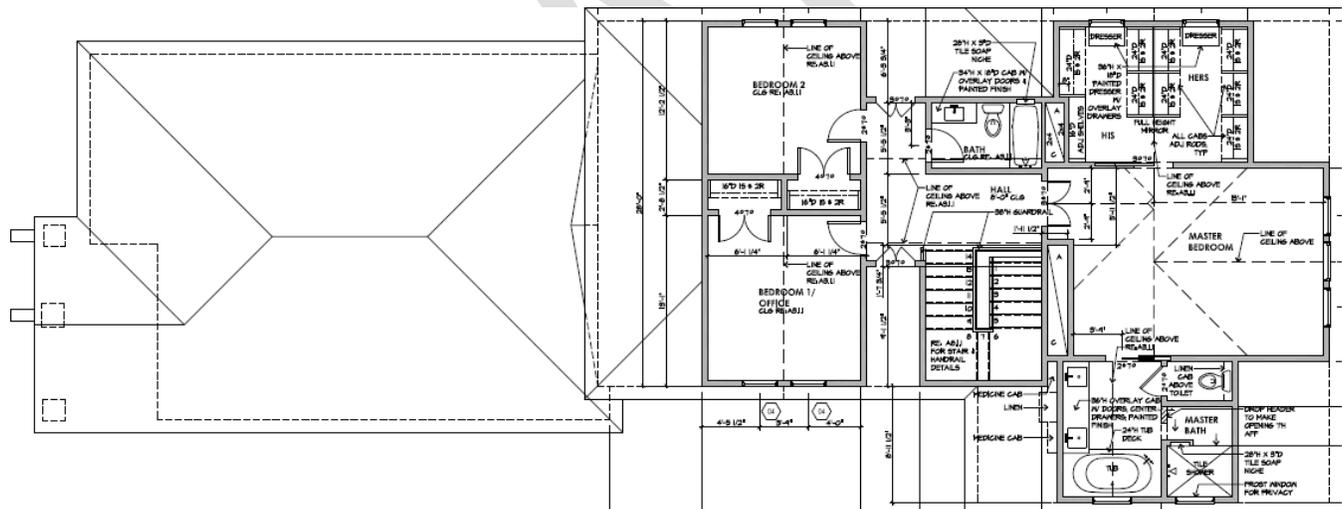


### SECOND FLOOR PLAN

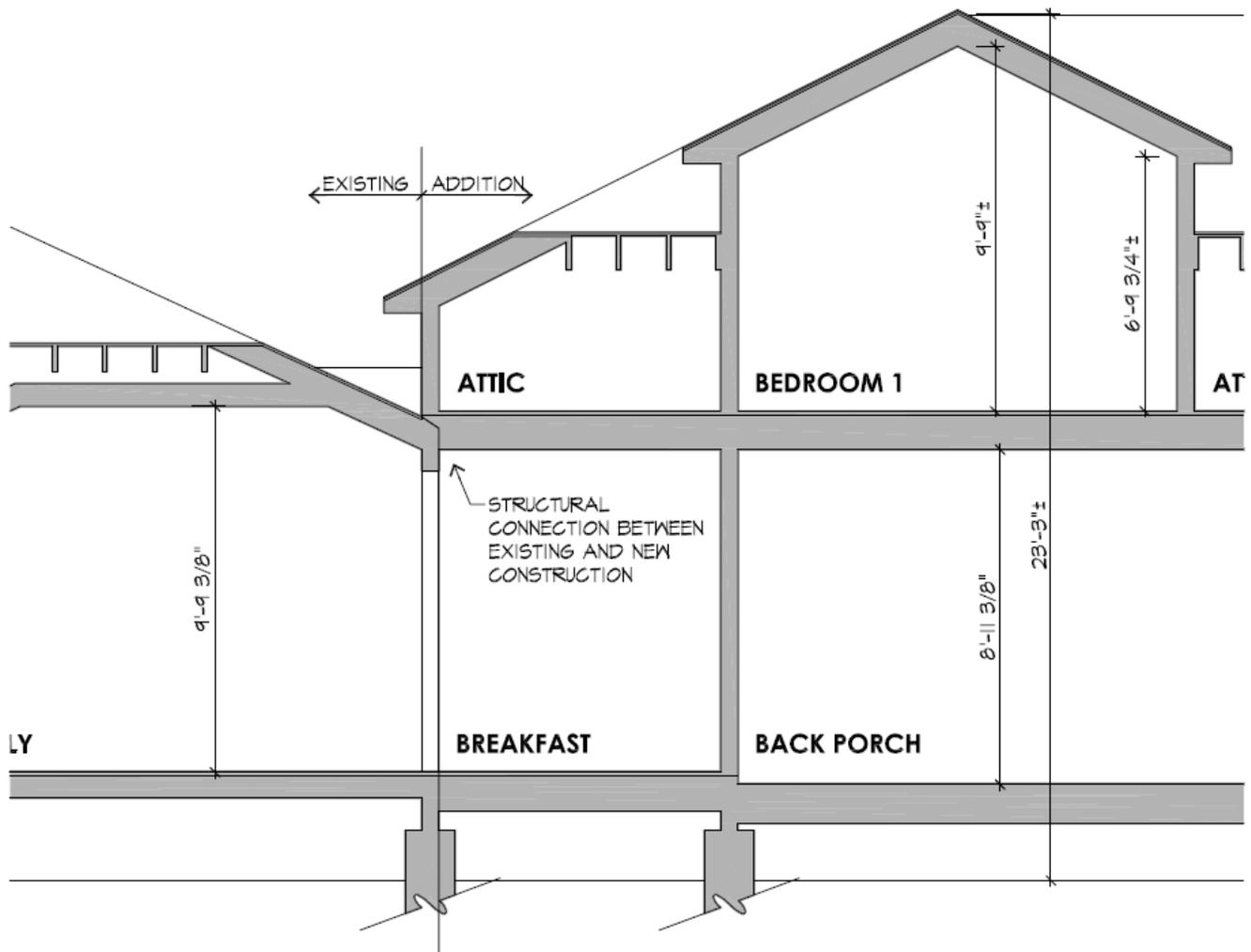
APPROVED APRIL 2015



### PROPOSED

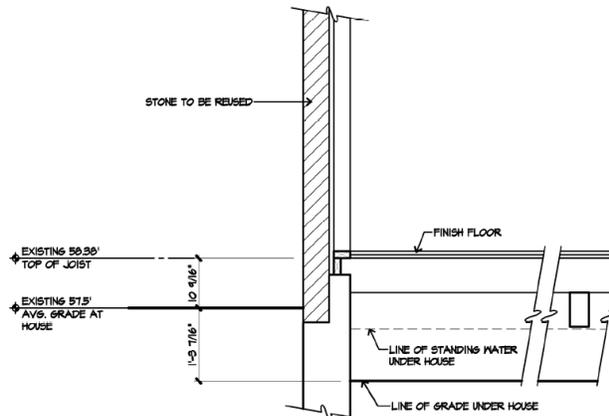


SECTION DETAIL

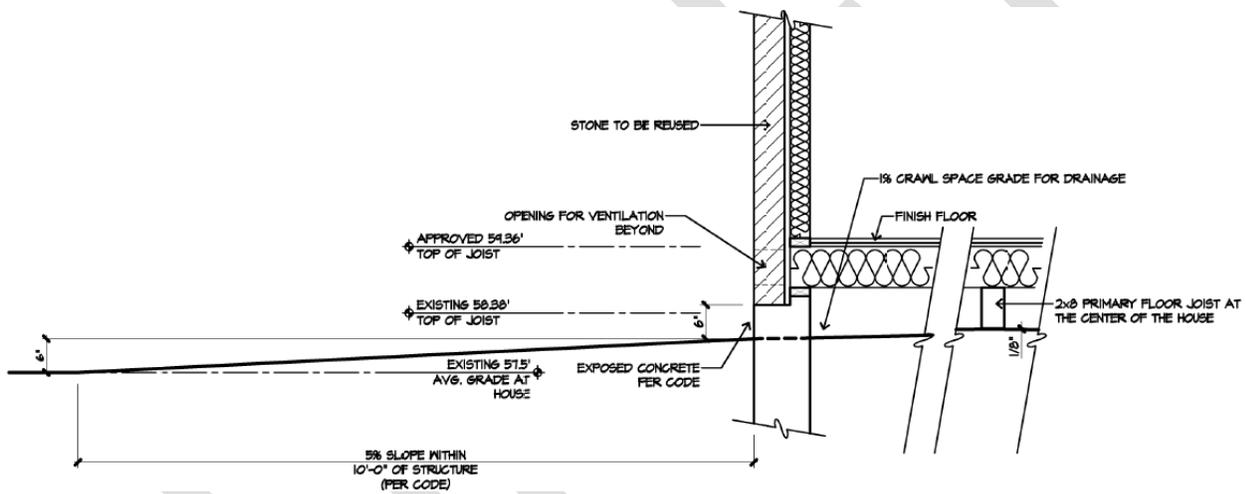


### GRADE / SITE DETAIL

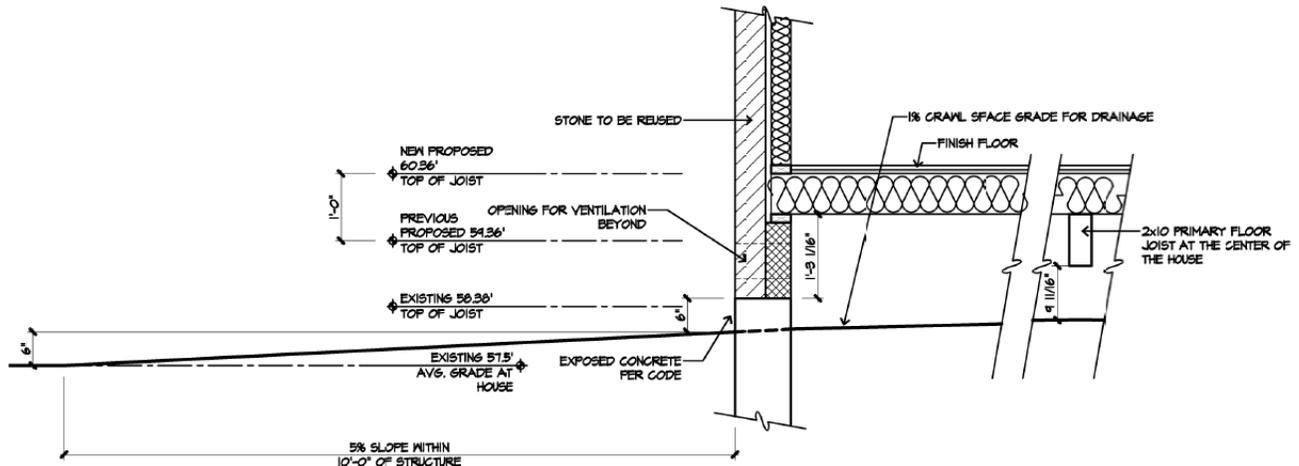
#### EXISTING



#### APPROVED APRIL 2015



#### PROPOSED



**WINDOW / DOOR SCHEDULE**

**DOOR & WINDOW SCHEDULE**

<u>TAG</u>	<u>QUANTITY</u>	<u>SIZE</u>	<u>FUNCTION</u>
101	1	EXISTING	WOOD DOOR TO REMAIN
102	2	3 <sup>0</sup> 7 <sup>0</sup>	WOOD DOOR
103	1	20 <sup>0</sup> 8 <sup>0</sup>	METAL OHD
104	1	9 <sup>0</sup> 8 <sup>0</sup>	METAL OHD
01	4	EXISTING	DOUBLE HUNG TO REMAIN
02	9	EXISTING	DOUBLE HUNG TO REMAIN
03	4	EXISTING	DOUBLE HUNG TO REMAIN
04	6	2 <sup>9</sup> 5 <sup>0</sup>	DOUBLE HUNG
05	5	3 <sup>0</sup> 5 <sup>0</sup>	DOUBLE HUNG
06	4	2 <sup>9</sup> 5 <sup>6</sup>	DOUBLE HUNG
07	3	2 <sup>2</sup> 5 <sup>6</sup>	DOUBLE HUNG
08	4	2 <sup>2</sup> 5 <sup>6</sup>	DOUBLE HUNG

WINDOW DETAIL

Appendix B (2 pgs.)



SHARE THIS:

SINGLE & DOUBLE HUNG WINDOW

NO DIVIDED LITE



We've updated this classic window design and turned it into an efficient, high performance product. Our single hung version features a fixed top sash and an easy-tilt bottom. On the double hung, both sash tilt in for easy cleaning.

Our aluminum clad wood single and double hung windows have a maintenance-free heavy duty extruded clad exterior and a beautiful wood interior protected to the core against wood rot by our patented CoreGuard. Our concealed wood jambliner is a big upgrade over other manufacturer's vinyl version.



- Double hung 1 over 1  
- No nail fin

(http://www.hurd.com/sites/default/files/product-images/conceal\_dh\_int.png)

PRODUCT OPTIONS (/ALUMINUM-CLAD-WINDOWS-PATIO-DOORS/SINGLE-DOUBLE-HUNG-WINDOWS?QT=PRODUCT\_OPTIONS\_TECHNIC

TECHNICAL DESCRIPTION (/ALUMINUM-CLAD-WINDOWS-PATIO-DOORS/SINGLE-DOUBLE-HUNG-WINDOWS?QT=PRODUCT\_OPTIONS\_TEC

Construction

- Exterior clad with .050" extruded aluminum.
- Natural pine interior standard. Prime, paint or stain optional.
- Alternate wood species optional.
- CoreGuard wood treatment.
- Basic jamb width 4-9/16".

Performance Glazing

- Available in all Eco System options except FeelSafe.

## WINDOW DETAIL

### *Weatherproofing*

- Weatherstrip located on bottom rails, headjamb, top checkrail and top and bottom stiles.

### *Operation*

- Concealed wood jambliner standard.
- Easy-tilt top and bottom sash (bottom only on single hung).
- Block and tackle balance mechanism.
- Flush mounted locks: positive locking mechanism draws sash tightly against weatherstrip.
- Two locks on glass units 32" and wider.
- Optional fingertip groove milled in bottom rail.

### *Options*

**Decorative glazing:** Bronze, gray, obscure or stained glass.

**Grilles:** Hurd simulated divided lite, removable wood grilles or grilles in airspace.

**Screens:** Aluminum frame painted to match exterior cladding. Charcoal color fiberglass cloth standard, aluminum mesh optional.

**Hardware:** Sash lock in seven finishes. Sash lift handle optional.

#### **Other options:**

- Standard extension jambs available up to 8-1/8".
- Extruded aluminum drip cap.
- Applied aluminum clad brickmould, ovalo or flat casing.
- Non-standard sizing to 1/16".

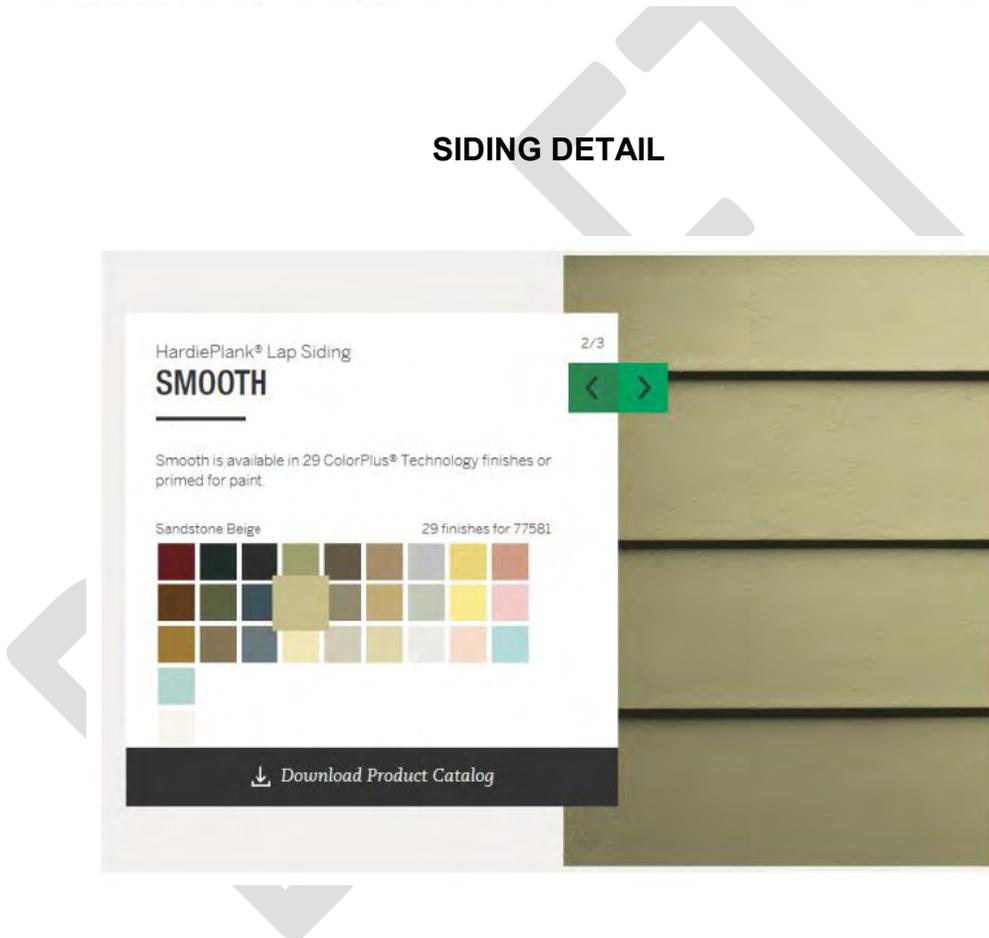
Contact your Hurd distributor for size limitations.



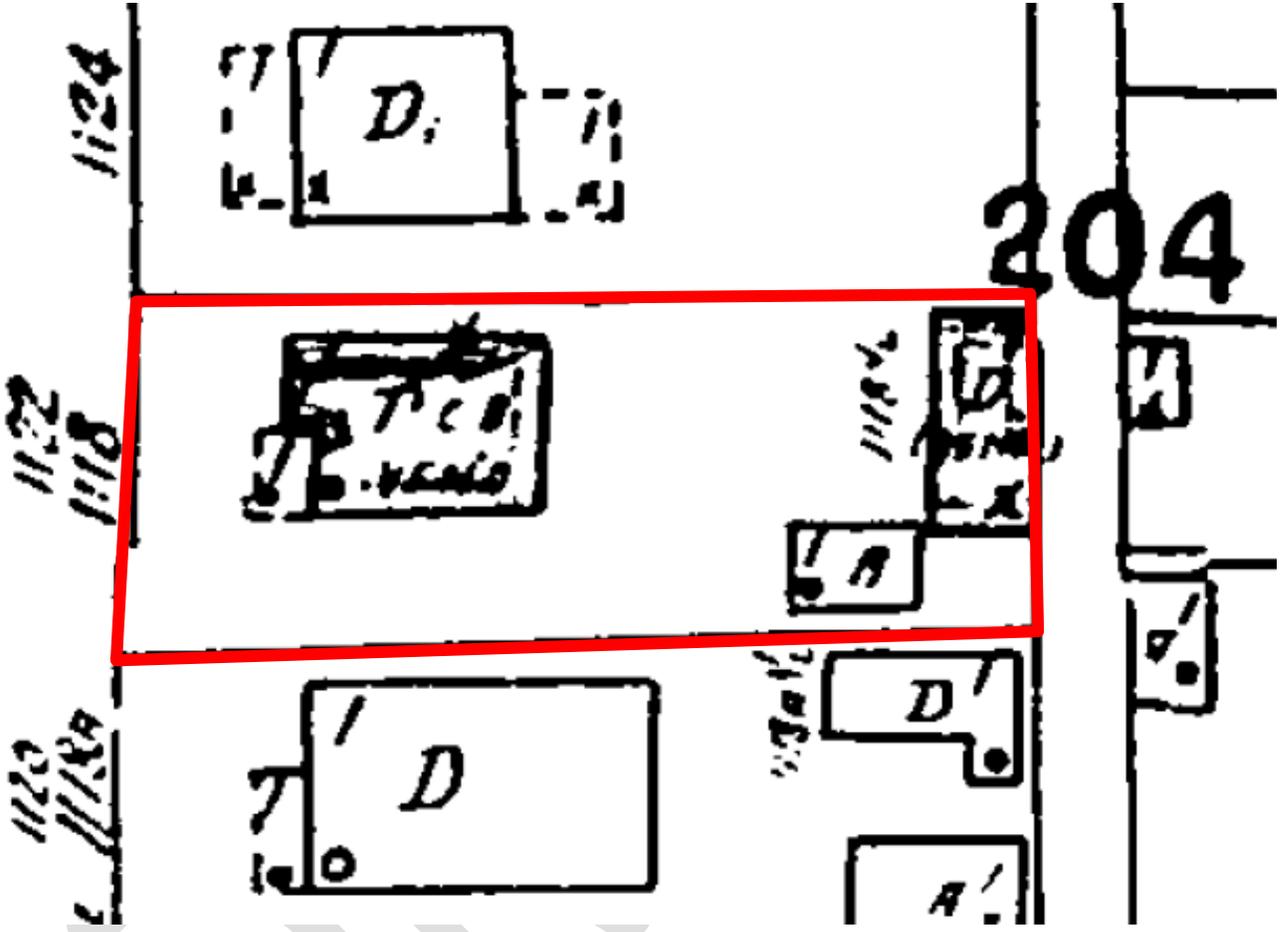
### STONE DOCUMENTATION

- **Stone Documentation:**  
All existing stone will be removed and documented in a similar method as done in restoration projects in Europe. Prior to removal, all exterior stone walls will be photographed in segments and referenced according to their cardinal direction. Stone would be removed carefully and marked (keyed) on the back side with wax pencils. Each key mark would reference its designated pallet number, cardinal direction, location/segment. In addition, the existing stone to be removed on the East side of the house (rear) where the new addition will be added, will be stored and reused for any pieces that may be damaged.

### SIDING DETAIL



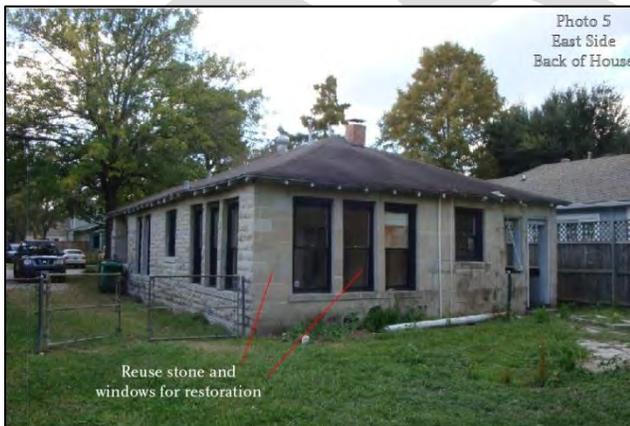
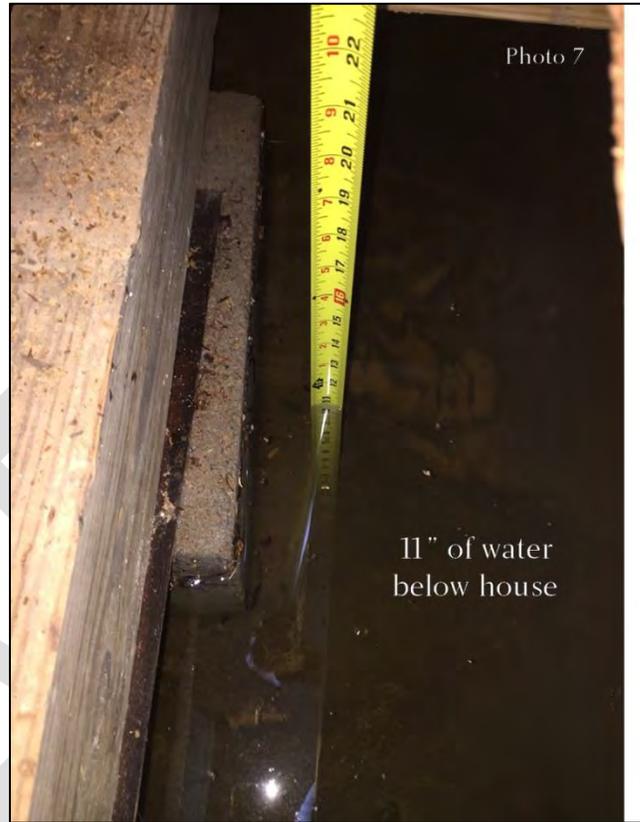
SANBORN MAP  
1924-1951



PHOTOS



Photos



Photos



STRUCTURAL REPORT

INSIGHTStructures

Appendix A 3 pgs.

October 20, 2014

Steve and Sherrie Robinson  
2633 Aztec Court  
League City, Texas 77573

Re: 1118 Tulane  
1118 Tulane Street  
Houston, Texas 77008  
Job Number: 14-1020.165

To Whom It May Concern:

The undersigned visited the above referenced project at the request of Jorge Carranza of Newberry Campa Architects to observe and comment on the condition of the foundation system of an existing single story wood framed residence. Based on the Harris County Appraisal District records, the house was built in 1930 and is just over 1,000 square. At the time of the site visit, some interior flooring was removed so the interior face of the concrete grade beam could be observed. Standing water was present throughout the crawlspace. For the purposes of this letter, the front of the house faces west.

The existing structure consists of a pier and beam structure with a cast-in-place perimeter grade beam and interior piers with wood framed sills and joists. The front porch has a concrete slab finish. Based on visual observation, it appears that the foundation repair work has occurred in the past, but INSIGHT Structures does not have documentation of when this work was performed. The structure above the foundation consists of stick framing for the walls, ceiling and roof.

Based on visual observations, many structural deficiencies were evident in the structure. The exterior stone veneer is cracked in numerous places (visible in Photographs 4, 5, and 6) and the interior floors are perceptibly out of level. There has been significant differential movement in the structure. The greatest single concern is the condition of the perimeter grade beam. It is fractured in multiple places (visible in Photographs 1, 2, and 3). The exterior stone veneer is cracked and separated at these same locations. The crack visible in Photograph 4 coincides with the grade beam crack evident in Photograph 3. Even if the structure is underpinned with new drilled piers, these fractures will remain a structural liability and it is our opinion that the masonry veneer cracks will continue to crack at these foundation hinge points. In addition to the cracked grade beams, another issue structural issue is wood floor framing bearing at the perimeter grade beam. The joists are notched to bear on the perimeter grade beam. Over time, these joists have deteriorated at many of the bearing locations. This condition has been repaired with the installation of new pad and block footings just inside the perimeter as well as new sistered wood framing. The new wood framing can be seen in Photograph 3. It appears that the interior shallow pad and block footings are settling differentially than the perimeter grade beam. This is another condition that does not have an effective long term repair detail to minimize differential movement and perform in an acceptable manner.

Since the crawlspace elevation is lower than the exterior grade, the poor drainage and standing water are contributing to the structural issues. Ideally, the crawlspace elevation is higher than adjacent grade with a well-ventilated airspace so that moisture issues are not a concern. That is not feasible in the existing condition of this residence.

INSIGHT Structures Inc. | Firm No.12871

3111 Sackett Street, Suite 200 | Houston, Texas 77098 | Ph. 713.523.0775 | Fax: 713.523.2402 | www.insightstructures.com

**STRUCTURAL REPORT**

The exterior stone veneer is also a cause for concern on this project. Particularly at the east elevation, the stone veneer is loose and not plumb. Based on the condition of the stone, it is our opinion that the veneer is not positively anchored to the framing as required by code. In places, there are signs that post construction anchors were installed provide some anchorage into the framing. The stone is so far out plumb, that it is our opinion that post construction anchors are not sufficient to anchor the stone in an acceptable manner. At the time of the site visit, the original cause of this displacement was not visible but is likely related to the inadequacy of the existing concrete grade beam.

Based on the existing structural conditions, it is our opinion that the existing structure is deficient in its current condition. The existing foundation is not structurally sound and should not be used for any future work. Additionally, it is our opinion that the foundation cannot be repaired in a reasonable manner to perform satisfactorily moving forward. It is our opinion that this project should have a new foundation system installed if the residence is to be improved. We recommend a foundation system that consists of drilled and underreamed reinforced concrete piers with a perimeter concrete grade beam with interior piers to support a wood framed sub-floor. We anticipate that the piers would be 10' to 12' depending on the recommendations from a geotechnical engineer. The perimeter grade beam is generally 12" wide by 24" deep.

Thank you for working with INSIGHT Structures. Please contact us for any further assistance.

Sincerely,



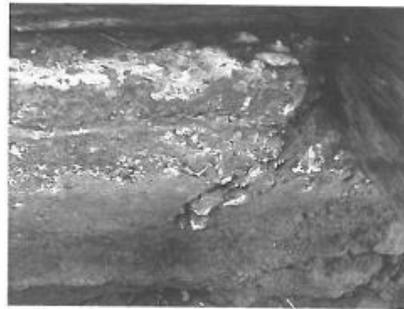
*Bradley R. Dougherty*  
Bradley R. Dougherty, PE

**STRUCTURAL REPORT**

**APPENDIX**



Photograph 1



Photograph 2



Photograph 3



Photograph 4



Photograph 5



Photograph 6

## PROJECT DETAILS

**Shape/Mass:** Existing: The existing 1,153 square foot, one-story structure has a maximum width of 27'-11½" and a maximum depth of 43'-6". The existing residence has a ridge height of 16'-4". The existing front porch is 13'-5" wide and 8'-9" deep.

April 2015: After the house is raised, the new existing ridge height will be 17'-3".

The proposed addition will begin at the rear wall of the existing structure, however, a 5'-7" deep rear inset porch on the northeast corner will be enclosed. The proposed one and a half story addition will have a maximum width of 37'-0" and a maximum depth of 55'-10". On the north, the addition will extend 2'-5" and run towards the rear the full 55'-10". On the south, the addition will be inset 2'-4" on the south and will run 28'-0" before extending out 9'-2" (to the full width) and running another 28'-0" to the rear. The addition will have a ridge height of 22'-2". The second floor of the addition will be comprised of several dormers.

January 2016: After the house is raised, the new proposed existing ridge height will be 18'-3 1/8".

The proposed addition will begin at the rear wall of the existing structure, however, a 5'-7" deep rear inset porch on the northeast corner will be enclosed. The proposed one and a half story addition will have a maximum width of 36'-11" and a maximum depth of 56'-3". On the north, the addition will extend 2'-7" and run towards the rear the full 56'-3". On the south, the addition will be inset 2'-6½" on the south and will run 7'-6½" to a 10'-10" deep by 16'-3" wide inset porch. The addition will then run an additional 4'-5" before extending 8'-11½" to the south and it's maximum extent before running 27'-0¾" to the rear. The addition will have a ridge height of 23'-3". The second floor of the addition will be comprised of several dormers.

See drawings for more detail.

**Setbacks:** Existing: The existing residence has a front (west) setback of 22'-0"; a north side setback of 5.6'; and a south side setback of 16.6'.

April 2015: The proposed residence will maintain its current location. The addition will begin at the rear wall and will have a north side setback of 3'-9"; a south side setback of 9'-3"; and a rear (east) setback of 10'-6".

January 2016: The proposed residence will maintain its current location. The addition will begin at the rear wall and will have a north side setback of 3'-9"; a south side setback of 9'-5 3/8"; and a rear (east) setback of 11'-1 3/8".

See drawings for more detail.

**Foundation:** Existing: The existing residence has pier and beam foundation featuring a cast-in-place perimeter grade beam. The front porch floor is a poured concrete slab. Currently, the residence has a finished floor height of 9½". The current foundation is low and was improperly repaired in the past. The perimeter grade beam is fractured in several places leading to cracking of the stone veneer. Additionally, the floor joists were improperly installed and notched to bear on the perimeter grade beam. These joists are now deteriorating. The crawlspace is lower than the surrounding grade and is consistently filled with 8"-12" of standing water. The civil engineer and surveyor consulted on the project determined the entire grade surrounding the house is higher than the grade below the structure and also that the drain ditch elevations are currently at a same elevation or higher than the grade at the home, which results in negative drainage and water pooling within and around the home. Repairs made to prop up the fractured grade beam are settling differently leading to further damage to the veneer cladding. A structural engineer has determined that the foundation cannot be reasonably repaired and must be replaced, a claim verified by a City senior structural inspector during a site visit with staff.

April 2015: Due to the deficiencies of the existing foundation and grade conditions, the existing foundation will be replaced with a new pier and beam foundation. This will raise the elevation of the home by 11¾". The new proposed finished floor height will be 1-9 1/8". To make up the

difference in height, a new stone plinth will be installed around the foundation. See drawings and Engineer Report for more detail.

January 2015: See drawings for more detail.

**Windows/Doors:** Existing: All existing windows on the South, West, and North sides are to remain. Damage to these existing units will be repaired or restored in a manner that maintains the historic character of the windows. The windows to the East where the proposed addition is to be added would be removed and stored for the restoration. The existing front door is to remain.

April 2015: The windows in the proposed addition will be wood clad double-hung vinyl windows. The windows will be recessed to match the existing condition of the historic residence.

January 2016: The windows in the proposed addition will be wood clad double-hung vinyl windows. The windows will be recessed to match the existing condition of the historic residence. The existing front door is to remain. See window schedule/details and drawings for more detail.

**Exterior Materials:** Existing: The existing residence is clad in cut stone veneer.

April 2015: Due to the foundation being replaced, all of the stone veneer will need to be removed. All existing stone will be removed and documented in a similar method as done in restoration projects in Europe. Prior to removal, all exterior stone walls will be photographed in segments and referenced according to their cardinal direction. Stone would be removed carefully and marked (keyed) on the back side with wax pencils. Each key mark would reference its designated pallet number, cardinal direction, and location/segment. In addition, the existing stone to be removed on the East side of the house (rear) where the new addition will be added, will be stored and reused for any pieces that may be damaged.

The addition will be clad in smooth cementitious siding with a 6" reveal (in order to approximate the dimension of the stone).

January 2016: Due to the foundation being replaced, all of the stone veneer will need to be removed. All existing stone will be removed and documented in a similar method as done in restoration projects in Europe. Prior to removal, all exterior stone walls will be photographed in segments and referenced according to their cardinal direction. Stone would be removed carefully and marked (keyed) on the back side with wax pencils. Each key mark would reference its designated pallet number, cardinal direction, and location/segment. In addition, the existing stone to be removed on the East side of the house (rear) where the new addition will be added, will be stored and reused for any pieces that may be damaged.

The addition will be clad in smooth cementitious siding with a 6" reveal (in order to approximate the dimension of the stone).

See drawings for more detail.

**Roof:** Existing: The existing residence features a hipped roof with a front facing gable over the front porch. The compositing shingle roof has a roof pitch of 6:12 and an eave height of 9'-3½".

April 2015: After the house is raised, the new existing eave height will be 9'-11¾".

The proposed composition shingle roof of the addition will have a pitch of 6:12 and an eave height of 14'-10". Since the second floor will consist mostly of dormers, the eaves of the dormers will be 18'-2". A small cricket will connect the existing roof to the addition. The proposed roof will have a 1'-0" overhang.

January 2016: After the house is raised, the new existing eave height will be 10'-11¾".

The proposed composition shingle roof of the addition will have a pitch of 6:12 and an eave height of 15'-8½". Since the second floor will consist mostly of dormers, the eaves of the dormers will be 19'-5¼". A small cricket, with a pitch of 2:12, will connect the existing roof to the addition. The proposed roof will have a 1'-0" overhang.

See drawings for more detail.

- Front Elevation:** Existing: The existing west elevation features two bays. Both bays feature a group of three windows, a larger window flanked by narrow windows. The south bay features the front porch. The porch is topped by a front facing gable with a decorative painted wood design.
- (West)** April 2015: The addition will be inset on the south and extend to the north and south. The hipped roof of the addition will be punctuated by side facing gabled dormers. There is no fenestration on the front of the proposed addition.
- January 2016: The addition will be inset on the south and extend to the north and south. The hipped roof of the addition will be punctuated by side facing gabled dormers. There is no fenestration on the front of the proposed addition. A partial stone wall will be constructed (existing stone from the rear of the original structure) on the front facing western portion of the southern extension of the addition. New vents will be installed around the perimeter of the foundation. See drawings for more detail.
- Side Elevation:** Existing: The north elevation of the existing residence features the front porch to the west followed by the front door, a pair of windows, a single window, and then three additional windows towards the rear.
- (North)** April 2015: The proposed addition will begin at the rear wall of the existing house. On the first-story will be a group of three windows followed by an inset door, and a pedestrian door for the garage at the rear. The second-story will be tucked into two dormers. The western dormer will have a pair of windows while the eastern dormer will have a group of three windows.
- January 2016: The proposed addition will begin at the rear wall of the existing house. On the first-story will be a group of three windows followed by an inset door, and a pedestrian door for the garage at the rear. The second-story will be tucked into two dormers. The western dormer will have a pair of windows while the eastern dormer will have two additional windows. The lower portion of the southern extension of the rear addition will be partially clad in existing stone from the rear of the original structure. New vents will be installed around the perimeter of the foundation. See drawings for more detail.
- Side Elevation:** Existing: The south elevation of the existing residence features the front porch to the west followed by the, two windows, a pair of windows and a single window towards the rear. At the rear of the existing structure is a small inset porch.
- (South)** April 2015: The proposed addition will enclose the existing inset porch. On the first-story of the addition will be a single window followed by a pair of windows and another single window. The second-story will be tucked into two dormers. The western dormer will have a pair of windows while the eastern dormer will have two additional windows.
- January 2016: The proposed addition will enclose the existing inset porch. On the first-story of the addition will be a single window followed by a pair of windows and another single window. The second-story will be tucked into two dormers. The western dormer will have a pair of windows while the eastern dormer will have two additional windows. New vents will be installed around the perimeter of the foundation. See drawings for more detail.
- Rear Elevation:** The rear elevation of the residence and addition is not visible from the public Right-of-Way. See drawings for more detail.
- (East)**