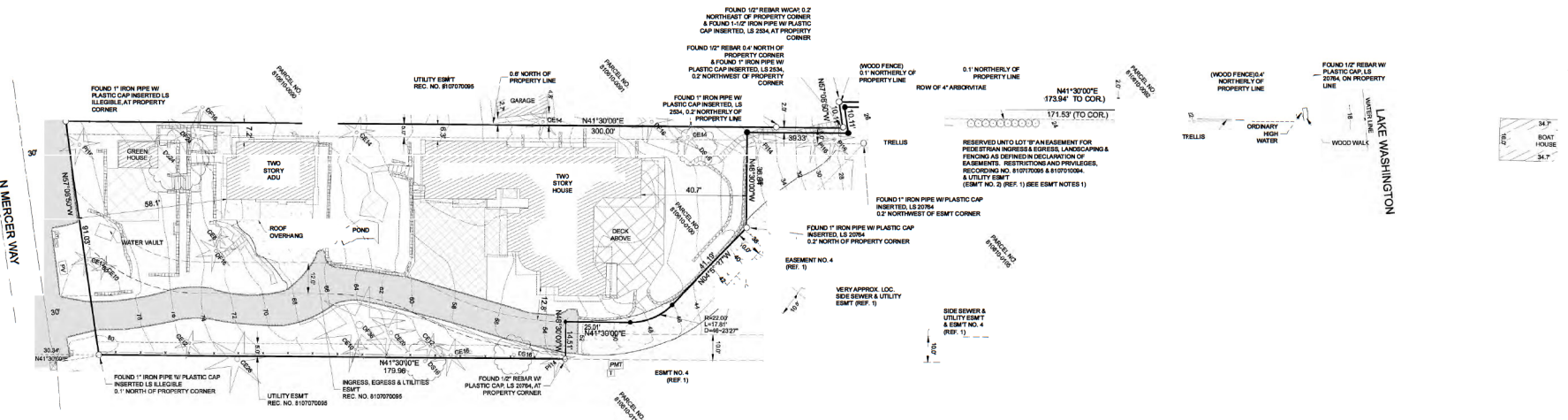
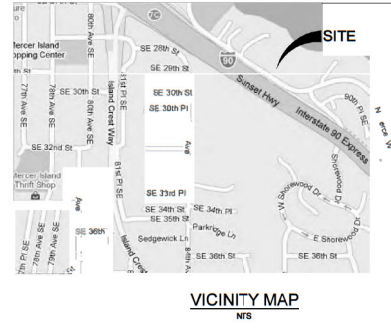


GRAPHIC SCALE  
10 20 40  
1 INCH = 20 FT.

**LEGEND**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>◆ FOUND MONUMENT AS DESCRIBED</li> <li>○ FOUND REBAR AS DESCRIBED</li> <li>— TACK W/ LEAD FOUND</li> <li>● SET 5/8" X 24" IRON ROD W/ YELLOW PLASTIC CAP</li> <li>○ POWER METER</li> <li>○ UTILITY POLE</li> <li>○ GAS METER</li> <li>● SANITARY SEWER CLEANOUT</li> <li>○ SANITARY SEWER MANHOLE</li> <li>○ WATER VALVE</li> <li>○ FIRE HYDRANT</li> <li>○ WATER METER</li> <li>○ SIGN</li> <li>— SS — APPROXIMATE LOCATION SANITARY SEWER LINE</li> <li>— SD — APPROXIMATE LOCATION STORM DRAIN LINE</li> <li>— OHP — OVERHEAD POWER</li> <li>— OHU — OVERHEAD UTILITIES</li> <li>— X — CHAINLINK FENCE</li> <li>— □ — WOOD FENCE</li> </ul> | <ul style="list-style-type: none"> <li>— CONCRETE WALL</li> <li>— ROCKERY</li> <li>— ASPHALT SURFACE</li> <li>— CONCRETE SURFACE</li> <li>— GRAVEL SURFACE</li> <li>— CE CEDAR</li> <li>— DG DECIDUOUS</li> <li>— DF DOUGLAS FIR</li> <li>— MP MAPLE</li> <li>— PI PINE</li> <li>* INDICATES MULTI-TRUNK</li> </ul> |
|---|---|



**GENERAL NOTES**

- THIS SURVEY WAS COMPLETED WITHOUT BENEFIT OF CURRENT TITLE REPORT, EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST ON THIS PROPERTY THAT ARE NOT SHOWN HEREON.
- INSTRUMENTATION FOR THIS SURVEY WAS A 3.56000 NIROM NIVO 5.0 TOTAL STATION. PROCEDURES USED IN THIS SURVEY MEET OR EXCEED STANDARDS SET BY NWS 335-330-000.
- THE INFORMATION ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE IN MAY 2016 & MARCH 2020 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- UTILITIES SHOWN ON THIS SURVEY ARE BASED UPON ABOVE GROUND OBSERVATIONS AND AS-BUILT PLANS WHERE AVAILABLE. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES MAY VARY AND UTILITIES NOT SHOWN ON THIS SURVEY MAY EXIST ON THIS SITE.
- ALL MONUMENTS WERE LOCATED DURING THIS SURVEY UNLESS OTHERWISE NOTED.

**REFERENCES**

- MERCER ISLAND BOUNDARY LINE REVISION FILE NO. 88-25-32-1, PREPARED BY JONES BASS & ASSOCIATES, RECORDED SEPTEMBER 15, 1985 IN VOLUME 37 OF SURVEYS, PAGE 137, UNDER RECORDING NO. 800919610, RECORDS OF KING COUNTY, WASHINGTON.

**EASEMENT NOTES**

- DECLARATION RECORDED UNDER RECORDING NO. 810707006 DESCRIBES THE EASEMENT FOR PROFFERMAN INGRESS & EGRESS, LANDSCAPING AND FINCHING AS DEFINED IN DECLARATION OF EASEMENT RESTRICTIONS AND PRIVILEGES, UNDER RECORDING NOS. 81070698 & 81070699 AS BEING THE NORTH 410 FEET OF LOT B PER REFERENCE NO. 1. HOWEVER, ALL RECORDED DOCUMENTS INDICATE THAT THE EASEMENT IS 5.00 FEET FROM THE NORTH LINE OF LOT A PER REFERENCE NO. 1.

**LEGAL DESCRIPTION**

REAL PROPERTY IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:  
 LOT A OF MERCER ISLAND SHORT PLAT RECORDED UNDER KING COUNTY RECORDING NUMBER 781218972 AND REVISED UNDER KING COUNTY RECORDING NUMBERS 791300048 AND 820919816, BEING A SUBDIVISION OF TRACT 10, SUNDRIK, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 29 OF PLATS, PAGE 31, IN KING COUNTY, WASHINGTON.  
 EXCEPT THE NORTHEASTERLY 10 FEET IN WIDTH OF THE SOUTHWESTERLY 300 FEET, AS MEASURED ALONG THE NORTHWESTERLY LINE THEREOF TOGETHER WITH THE SHORELANDS OF THE SECOND CLASS ADJOINING AND LYING BETWEEN THE NORTHEASTERLY PROJECTION OF THE SIDELINES OF SAID TRACT, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

**BASIS OF BEARINGS**

ACCEPTED A BEARING OF N 41°30'00" E FOR THE SOUTHEASTERLY BOUNDARY OF LOT A OF MERCER ISLAND SHORT PLAT, AS RECORDED UNDER RECORDING NUMBER 781218972, BASED ON FOUND MONUMENTS.

**EASEMENTS/RESTRICTIONS PER TITLE REPORT**

- THIS SITE IS SUBJECT TO THE TERMS AND CONDITIONS OF A SEWER LINE EASEMENT RECORDED UNDER A.F.N. 802952, RECORDS OF KING COUNTY WASHINGTON, (ACROSS SHORELANDS - NOT SHOWN).
- THIS SITE IS SUBJECT TO THE TERMS AND CONDITIONS OF AN ELECTRIC TRANSMISSION EASEMENT RECORDED UNDER A.F.N. 760282762, RECORDS OF KING COUNTY, WASHINGTON, (NOT SHOWN - OVER EXISTING UNDERGROUND UTILITIES).
- THIS SITE IS SUBJECT TO THE TERMS AND CONDITIONS OF A SEWER LINE EASEMENT, RECORDED UNDER A.F.N. 800710064, RECORDS OF KING COUNTY, WASHINGTON, (SHOWN HEREON).
- THIS SITE IS SUBJECT TO THE TERMS AND CONDITIONS OF AN AERIAL TELEVISION LINE EASEMENT, RECORDED UNDER A.F.N. 80110002, RECORDS OF KING COUNTY, WASHINGTON, (NOT SHOWN - UNABLE TO OBTAIN DOCUMENT).
- THIS SITE IS SUBJECT TO RESERVATIONS CONTAINED IN DEED FROM THE STATE OF WASHINGTON RECORDED UNDER RECORDING NO. 84948, RESERVING ALL OIL, GAS, COAL, ORES, MINERALS, POSSIBLE, ETC., AND THE RIGHT OF ENTRY FOR OPENING, DEVELOPING AND WORKING THE SAME, (NO PLOTTABLE DATA).
- THIS SITE IS SUBJECT TO ANY AND ALL OFFERS OF DEDICATION, CONDITIONS, RESTRICTIONS, EASEMENTS, FENCE LINE/BOUNDARY DISCREPANCIES, NOTES AND/OR PROVISIONS SHOWN OR DISCLOSED BY SHORT PLAT NO. 88-25-32-17 RECORDED UNDER RECORDING NUMBER 800919610, SAID SHORT PLAT IS A REVISION OF SHORT PLATS RECORDED UNDER RECORDING NOS. 781218972 AND 79130002. (SHOWN HEREON).

**VERTICAL DATUM & CONTOUR INTERVAL**

ELEVATIONS SHOWN ON THIS DRAWING WERE DERIVED FROM INFORMATION PROVIDED BY CITY OF MERCER ISLAND SURVEY CONTROL DATABASE.  
 POINT C.D. 869 - FOUND 3.0" DIAMETER CONCRETE FILLED IRON PIPE WITH BRASS TACK DOWN 0.4' AT THE CENTERLINE OF A MERCER WAY AT THE WEST END MERCER PARK LANE IN THE 8500 BLOCK.  
 ELEVATION: 75.881 FEET (23.08 METERS) NAVD88  
 0.2' CONTOUR INTERVAL - THE EXPECTED VERTICAL ACCURACY IS EQUAL TO 1/2 THE CONTOUR INTERVAL, OR PLUS / MINUS 1/2 FOR THIS PROJECT.

SE 1/4 NE 1/4 SEC 25 P 26N RN 4E WM



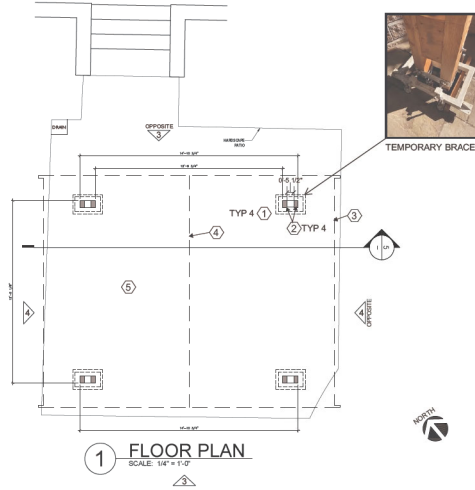
REVISION	

TOPOGRAPHIC SURVEY  
 KAN/CU & LU YAN  
 8538 N MERCER WAY  
 MERCER ISLAND WA 980 0

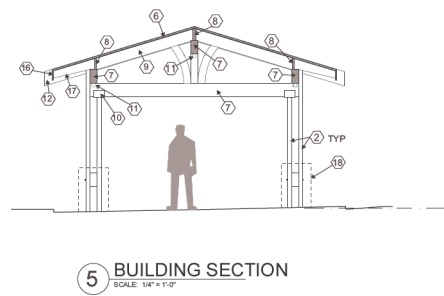
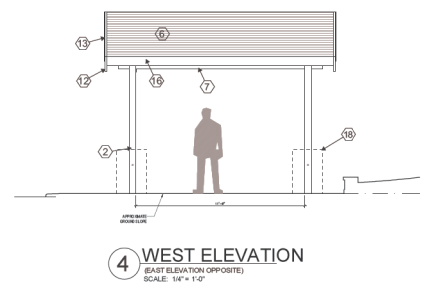
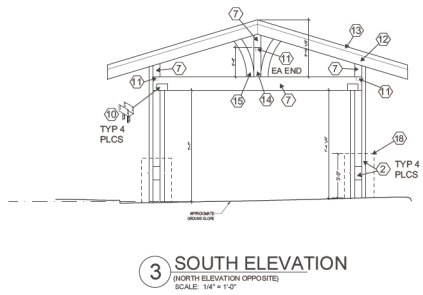
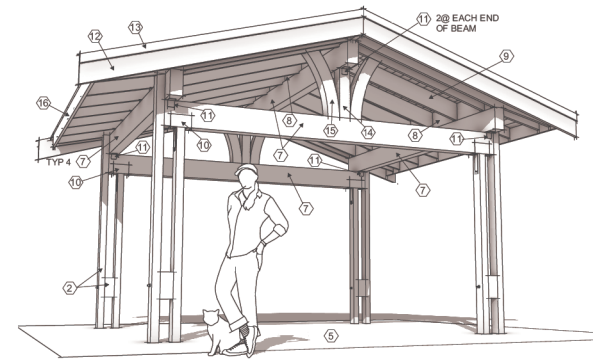
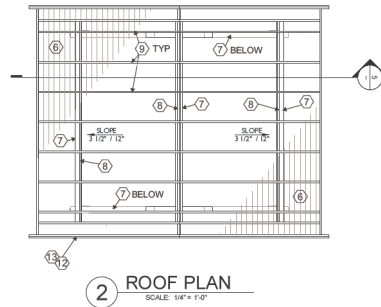
PROJECT NO. 23-154  
 DRAWN BY: EFJ  
 CHECKED BY: TNW  
 DATE: 4/4/2023  
 SHEET 1 OF 1







**PROJECT DESCRIPTION**  
MOVE EXISTING, NON-PERMITTED TIMBER FRAME PERGOLA APPROXIMATELY 7'-8" NE TO COMPLY WITH MIN. 20'-0" FRONT YARD SETBACK, PER BUILDING INSPECTOR'S DIRECTION. EXISTING CONSTRUCTION HAS BEEN ACCURATELY MEASURED, REVIEWED BY A STRUCTURAL ENGINEER (REF: STRUCTURAL SHEETS) TO FULLY COMPLY WITH CURRENT STRUCTURAL CODE. REFERENCE SITE PLAN FOR EXACT LOCATION ON PROPERTY. NOTE THAT THE RELOCATION WILL CONFLICT WITH THE EXISTING LANDSCAPE STAIRS WHICH WILL NEED TO BE REDESIGNED & RELOCATED ALSO.



- KEYNOTES**
- ① TEMPORARY POST BRACKET. RELOCATE STRUCTURE PER SITE PLAN. REMOVE BRACKET AND MOUNT POSTS PER STRUCTURAL (4 PLACES).
  - ② DOUBLE 4X6 WOOD COLUMNS SPACED 5 1/2" APART (4 PLACES). NOTE ON N-S ELEVATIONS THAT THE COLUMNS ARE CONNECTED WITH A 6X6X11 1/4" WOOD BLOCK AT THE BOTTOM. (TEMPORARY CONNECTION - REF: STRUCTURAL)
  - ③ EDGE OF ROOF - REF: ROOF PLAN.
  - ④ ROOF RIDGE - REF: ROOF PLAN.
  - ⑤ EXISTING STONE PATIO.
  - ⑥ 1 1/2"X5" T&G DECKING.
  - ⑦ 6X12 BEAM
  - ⑧ 2X BLOCKING BETWEEN JOISTS
  - ⑨ 2X10 JOISTS @ 24" OC
  - ⑩ SIMPSON CC64 POST CAP (4 PLACES)
  - ⑪ SIMPSON OHA33 ORNAMENTAL ANGLE (12 PLACES)
  - ⑫ 2X10 GABLE END TRIM
  - ⑬ 1X4 TRIM
  - ⑭ 6X6 KING POST
  - ⑮ CURVED DECORATIVE BRACE - 5 1/2" THICK
  - ⑯ 2X8 TRIM AT RAFTER ENDS
  - ⑰ ANGLE CUTS ON END OF RAFTERS
  - ⑱ NOTE: COLUMN BASE TO BE COVERED W/STONE VENEER PLINTH.

MICHAEL L. JONES  
ARCHITECT/CONSULTANT, LLC

**Mercer Island Pergola**

8636 N Mercer Way  
Mercer Isl, WA 98040



PERMIT SUBMIT

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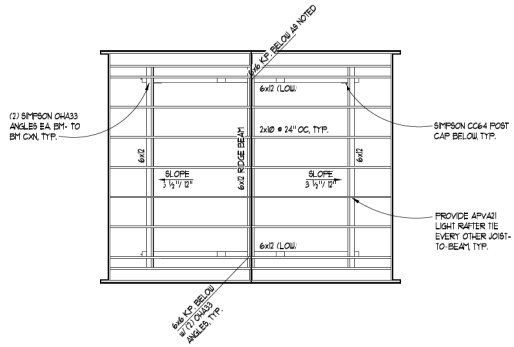
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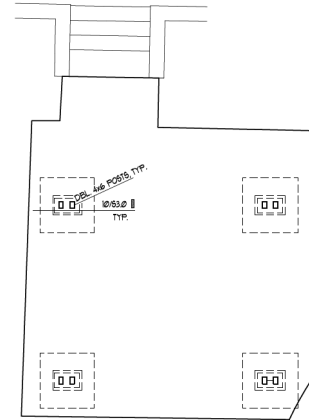
1/8" = 1'-0"



**PLAN NOTES**

1. NEW ROOF DIAPHRAGM SHALL BE 1/2" CDX PLYWOOD w/ MN PANEL INDEX OF 2418, WITH @12" x 25" NAILS AT:
  - 6"oc AT ALL DIAPHRAGM BOUNDARIES AND SHEAR WALLS
  - 6"oc AT ALL SUPPORTED PANEL EDGES (UNBLOCKED)
  - 12"oc AT FIELD

**2 ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"



**PLAN NOTES**

1. [ ] INDICATES NEW POST AND PAD FOOTING.
2. SEE S-48T 53.0 FOR TYPICAL CONCRETE DETAILS

**1 FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"



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www.illgrose.com

T-16-34 PERRIT SUBMITTAL

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FIRST FLOOR /  
FOUNDATION  
PLAN

CONTRACTOR STAMP

S2.0

**REINFORCING SPLICE AND DEVELOPMENT LENGTH SCHEDULE**  
(For Grade 60, Uncoated Bars, Normal Weight Concrete)

**(I) MINIMUM STRAIGHT DEVELOPMENT LENGTH ( $l_{d}$ )**\*

BAR SIZE	$f_c = 2500$ PSI		$f_c = 4500$ PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	24"	18"	24"	18"
#4	30"	24"	33"	25"
#5	36"	30"	41"	31"
#6	47"	36"	49"	37"

\* "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 1" DEPTH OF CONCRETE CAST BELOW THEM.  
IF CLEAR CONCRETE COVER IS NOT GREATER THAN THE DIAMETER OF THE BAR OR THE CENTER TO CENTER SPACING IS NOT GREATER THAN 3 BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 49%.

**(II) MINIMUM LAP SPLICE LENGTHS ( $l_s$ )**\*

BAR SIZE	$f_c = 2500$ PSI	
	TOP BARS	OTHER BARS
#3	31"	24"
#4	41"	32"
#5	51"	39"
#6	61"	47"

SPLICES IN HORIZONTAL REINFORCING SHALL NOT OCCUR IN BOTH CURTAINS OF REINFORCING AT THE SAME LOCATION.

**(III) MINIMUM EMBEDMENT LENGTHS ( $l_{eh}$ ) FOR STANDARD END HOOKS**

A. For general uses:

BAR SIZE	$f_c = 2500$ PSI
#3	9"
#4	11"
#5	15"
#6	18"

- SIDE COVER MUST BE EQUAL TO OR GREATER THAN  $3/4$ "
- END COVER FOR 90° HOOKS MUST BE EQUAL TO OR GREATER THAN 2"
- 90° HOOKS ONLY

2

3

7

8

11

12

13

14

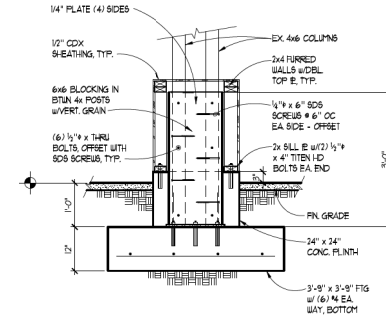
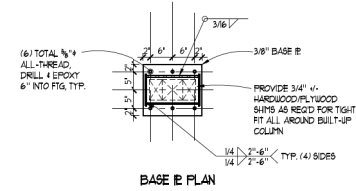
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1-6-24 PERRIT SUBMITAL

FRAMING  
DETAILS

S3.0