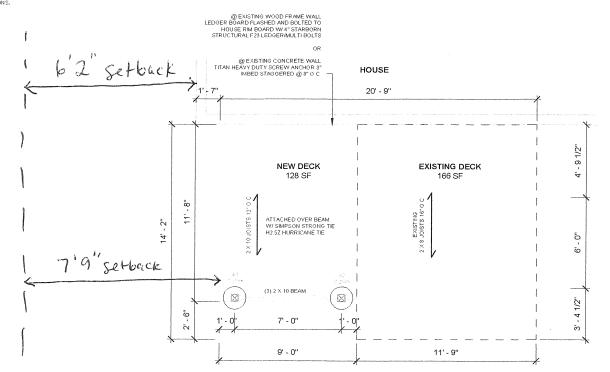
# FRAMING NOTES

- 1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- 2. ALL NEW FOOTINGS SHALL BE NOTED ON PLAN.
- 3. FEDGER BOARD SHALL BE SAME SIZE AS JOISTS AND ATTACHED TO RIM JOIST AS PER DETAIL. IF LEDGER NOT PROPERLY ALIGNED W/ HOUSE RIM JOIST LEDGER SHALL BE SECURED TO FOUNDATION WALL WITH STAGGERED THRU BOLTS OR WEDGE ANCHORS.
- 4. PROVIDE JOIST HANGERS AT ALL FLUSH FRAME CONDITIONS.
- 5. JOIST HANGERS TO BE SIMPSON LUS28Z

- Olds Hangers to BE SMM-SON LUSZBZ.
   Block JOSIS AT MID-SPAN FOR SPANS OF 8'-0" OR GREATER.
   SWM PT SUPPORT COLSZ/POSTS TREATED FOR STRUCTURAL GROUND BURIAL MCA. 2.3
   BEAMS/JOSISTS TO BE SYP TREATED MALED. SEE PLAN FOR SIZING AND SPACING.
- 9. DECKING TO BE  $5/4 \times 6$  TREX 10. PAILS TO BE 836" HIGH WITH LESS THAN 4" OPENINGS PER IRC CODE 11. STAIRS TO BE BUILT MAX 8-1/4" RISE 9" MIN RUN PER IRC CODE
- 12. ALL DECK HARDWARE TO BE CORROSION RESISTANT AND INSTALLED PER MANUFACTURERS INSTRUCTIONS.



SHEET 2 - FRAMING PLAN WILLIAM WEEKS 310 WOODMERE AVE. NEPTUNE, NJ 07753 Joe His added JONATHAN C. WALLACE
AIA, M Arch, LEED AP BD+C
NJ LICENSE # 21AI02202500 GUARDIAN

6x6 SUPPORT POST ON GOLIATH TECH HELICAL PILE



### CONSTRUCTION SPECIFICATIONS

GENERAL: ALL MATERIALS SHALL BE INSTALLED IN A WORKMANLIKE MANNER AND THE METHODS BE WITHIN THE HIGHEST STANDARDS OF THE APPLICABLE CONSTRUCTION TRADE. ALL WORK SHALL MEET OR EXCEED PROVISIONS OF ALL GOVERNING CODES AND ORDINANCES, THE DRAWINGS ARE GENERAL IN NATURE, IT IS INTENDED THAT THE CONTRACTOR ADJUST DIMENSIONS, MATERIALS AND METHODS OF CONSTRUCTION TO PROPERLY ADAPT THE WORK TO THE SITE CONDITIONS.

EXCAVATOR: EXCAVATE FOR ALL FOUNDATION WORK TO DEPTH BELOW GRADE REQUIRED BY LOCAL CODE. FOOTINGS SHALL REST ON UNDISTURBED EARTH.

CONCRETE: SOLID CONCRETE MASONRY UNITS OR 2500# STRENGTH CONCRETE OF A SMC SUFFICIENT TO SPREAD THE IMPOSED FOUNDATION LOAD ON THE BEARING SOIL IN ACCORDANCE WITH CODE REQUIREMENTS.

CARPENTRY: ALL WOOD SHALL BE #2 OR BETTER SOUTHERN YELLOW PINE. PRESSURE-TREATED WITH NON-ARSENICE BASED PRESERVATIVE, OF NOMINAL SIZES DETAILING INDICATED ON THE DRAWINGS OR BY CODE.

METALS: ALL HARDWARE SHALL BE HOT-DIPPED GALVANIZED OR OTHER NON-CORPOSIVE FINISH AND SHALL BE OF A SIZE AND SPACING SUFFICIENT TO CARRY OR TRANSMIT THE INTENDED STRUCTURAL LOAD IN ACCORDANCE WITH GOVERNING CODES AND APPLICABLE STRUCTURAL STANDARDS. FINISH HARDWARE SHALL BE HON-CORROSIVE AND SUITABLE FOR EXTERIOR APPLICATIONS.

## ANALYSIS OF 2x10 CANTILEVERED DECK JOISTS

- CALCULATIONS ARE BASED ON THE FOLLOWING DATA:
- 60 PSF LIVE LOAD
- 10 PSE DEAD LOAD
- #2 SYP, FB (ALLOWABLE BENDING STRESS) 800 PSI
- E = 1.1 E6 PSI CANTILEYER LENGTH 3'-4 MAX.
- BASE SPAN 16'-2" MAX. JUIST SPACING 12" OC
- DEFLECTION LIMITED TO L/240

CALCULATED BENDING STRESS = 544 PSI < 800 PSI OK DEFLECTION = 16'-2" X 10"/240= 0.68" (162 < 240 OK)

THE CALCULATIONS INDICATE SUCH AN APPLICATION IS ACCEPTABLE AND SATISFIES THE DESIGN SPECIFICATIONS OF THE WESTERN WOOD PRODUCTS ASSOCIATION.

## UPLIFT AND UPLIFT RESISTANCE

FOR THESE CALCULATIONS THE "WORST CASE" COLUMN (LONGEST SPAN AND LARGEST CONTRIBUTING AREA) WAS USED. THE DECK WAS CONSIDERED A FLAT ROOF, TABLE 1609.4.3 OF THE IBC IS FOR A ROOF WITH MEAN HEIGHT OF 30 FEET LOCATED IN EXPOSURE B. TABLE R301.2(3) OF THE IRC LISTS THE LOWEST MEAN ROOF HEIGHT AT 15' WITH AN ADJUSTMENT COEFFICIENT OF 1.00. THIS DECK IS AVERAGE+/- ABOVE GRADE.

UPLIET

DECK CONTRIBUTING AREA = 8 4 4 4 6 4 6 4 6

640

RESISTANCE TO UPLIFT

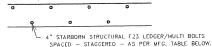
THE GOLIATH METAL POST HAS AN ALLOWABLE WORKING LOAD FOR UPLIFT RESISTANCE OF +/~ 4800#.

DEAD LOAD

S SF x 10#/SF = 1550

GOLIATH TECH METAL POST 4800 HEADLOK DEAD LOAD

TOTAL 5,500 OK



## LEDGER BOLT PATTERN DETAIL NTS

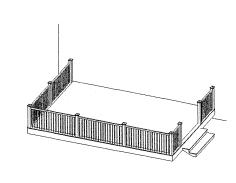
BASED ON 60#LL, S. PINE LEDGER AND 2x LUMBER HOUSE RIM JOIST

JOIST LENGTH (SPAN FROM LEDGER)	ON CENTER SPACING
6'-0" OR LESS	17"
+6'-0" TO 8'-0"	13"
+8-0" TO 10'-0"	10"
+10'-0" TO 12'0"	8"
+12'-0" TO 14'-0"	7"
+14'-0" 10 16''-0"	6"



THE GOLIATH TECH METAL POST INSTALLER WILL PROVIDE A FIELD REPORT DETAILING AND ATTESTING TO THE LOCATION OF EACH HELICAL PILE, IT'S DEPTH, THE ACHIEVED TORQUE AND THE BEARING CAPACITY IN RELATION TO THE TORQUE

A COPY OF THIS REPORT WILL BE PROVIDED TO THE CONSTRUCTION OFFICIAL.



SHEET WILLIAN 310 WG NEPTUI	SHEET 1 - NOTES & SPECS WILLIAM WEEKS 310 WOODMERE AVE. NEPTUNE, NJ 07753
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### GENERAL INFORMATION

USE GROUP R-5 CONSTRUCTION TYPE 5B

#### DESIGN LOADS

LIVE LOAD	50#/sf
DEAD LOAD	10#/sf
TOTAL LOAD	60#/st

DESIGN WIND SPEED - 115 MPH. EXISTING DECK AREA = 456 OF NEW DECK AREA = 128 GF TOTAL DECK AREA = 30435

BUILDING CODES 2021 INTERNATIONAL RESIDENTIAL CODE NJ ED.

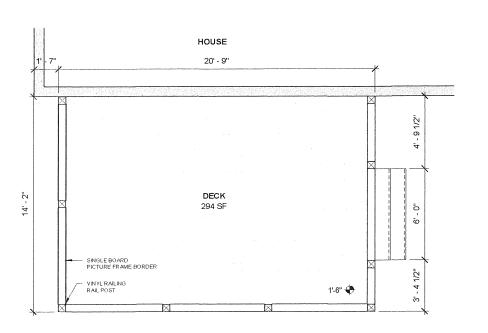
# ALTERNATE CONCRETE FOOTING SIZES

		NOTE:
LOAD IN LBS	DIAM	<ol> <li>VARIOUS UNMOVABLE OBSTACLES SUCH AS SEPTIC LINES, LARGE</li> </ol>
0-2137# 2138-2799# 2800-3533# 3534-4362# 4363-4809# 4810-5279# 5280-5770# 5771-6283# 6284-6817#	14" 16" 18" 20" 21" 22" 23" 24" 25"	ROCKS, ETC., MAY PRECLUDE A HELICAL PIER. A CONCRETE FOOTING MAY BE SUBSTITUTED FOLLOWING THE TABLE ABOVE. 2. FOOTINGS ARE 8" DEEP AT MIN. 3'-O" BELOW GRADE. CONTRACTOR SHALL HAVE OPTION TO USE ALTERNATE CONCRETE FOOTINGS OVER
6818-7374#	26"	HELICAL PILES

JONATHAN C. WALLACE AIA, M. ARTH, LEED AP BD+C NJ LICENSE # 21AI02202500

IUARDIAN

FASTEN 5/ 4%6 TREXIDECKING W/HIDDEN FASTENERS



DECK ELEVATION FROM GRADE

eck Guardian

DECK PLAN
1/4" = 1'-0"

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