

1. GENERAL STRUCTURAL NOTES:
REFER TO SUBSEQUENT PLAN AND DETAIL NOTES FOR VARIATIONS AND REQUIREMENTS SPECIFIC TO REFERENCED PROJECT.

NOTES ON DRAWINGS TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES.

2. DESIGN CRITERIA:
BUILDING CODE CONFORMANCE (MEETS OR EXCEEDS REQUIREMENTS):
2015 INTERNATIONAL BUILDING CODE (IBC)
2015 INTERNATIONAL RESIDENTIAL CODE (IRC)
2018 NORTH CAROLINA BUILDING CODE
2018 NORTH CAROLINA RESIDENTIAL CODE

DEAD LOADS:
FLOOR DEAD LOAD 15 PSF
INTERIOR WALL DEAD LOAD 9 PSF

LIVE LOADS:
FLOOR LIVE LOAD (RESIDENTIAL) 40 PSF

SOIL PARAMETERS:
REFERENCE STANDARDS CONFORM TO IBC CHAPTER 18
"SOILS & FOUNDATIONS"

ALLOWABLE FOUNDATION PRESSURE (ASSUMED) 1500 PSF

DEFLECTIONS:
TOTAL LOAD DEFLECTION LIMIT L/240
LIVE LOAD DEFLECTION LIMIT L/360



VICINITY MAP

SCALE: NTS



| FSI SMARTJACK SYSTEM INFO | | | | |
|---------------------------|---|--------------------------------------|----------------------------------|------------------------------------|
| PART | DESCRIPTION | COMMENTS | MIN YIELD STRESS, F _y | MIN TENSILE STRESS, F _u |
| SJQ350T | ASTM A500 GRADE C HD GALV, PER ASTM 123, HSS 3 1/2 x 3 1/2 x 0.095" x L' SQUARE TUBE | | 50 KSI | 62 KSI |
| SJQ400B | ASTM A500 GRADE C HD GALV, PER ASTM 123, HSS 4 x 4 x 0.120" x L' SQUARE TUBE | SUPPLEMENTAL BEAM | 50 KSI | 62 KSI |
| SJQ125ATR | ASTM A108 GRADE 1018 1 1/4" x 0' - 10' L THREADED ROD W/ WELDED HEAVY HEX NUT | | 54 KSI | 64 KSI |
| SJQ350BP-A | ASTM A36 R 5/16 x 12 x 1' - 0" ASTM A36 BENT R 0.120" | CRUSHED STONE FTG CONDITION PER PLAN | 36 KSI 36 KSI | 58 KSI 58 KSI |
| SJQ350TP-B | ASTM A36 0.120" BENT CAPTURE R ASTM A572 GRADE 50 R 3/4 x 2 1/2 x 0' - 4.13" ASTM A53 GRADE B 1 3/4" x 1/4" x 1 3/8" L CONFINING RING | STEEL BEAM U-BRACKET CONDITION | 36 KSI 50 KSI 35 KSI | 58 KSI 65 KSI 60 KSI |
| SJQ350TI | ASTM A36 BENT R 0.120" ASTM A572 GRADE 50 R 3/4 x 3.63 x 0' - 3.63" W/ 1 1/4" x 1/4" x 1/4" L CONFINING RING | | 36 KSI 50 KSI | 58 KSI 65 KSI |

NOTE:
INSTALL PER MFR RECOMMENDATIONS

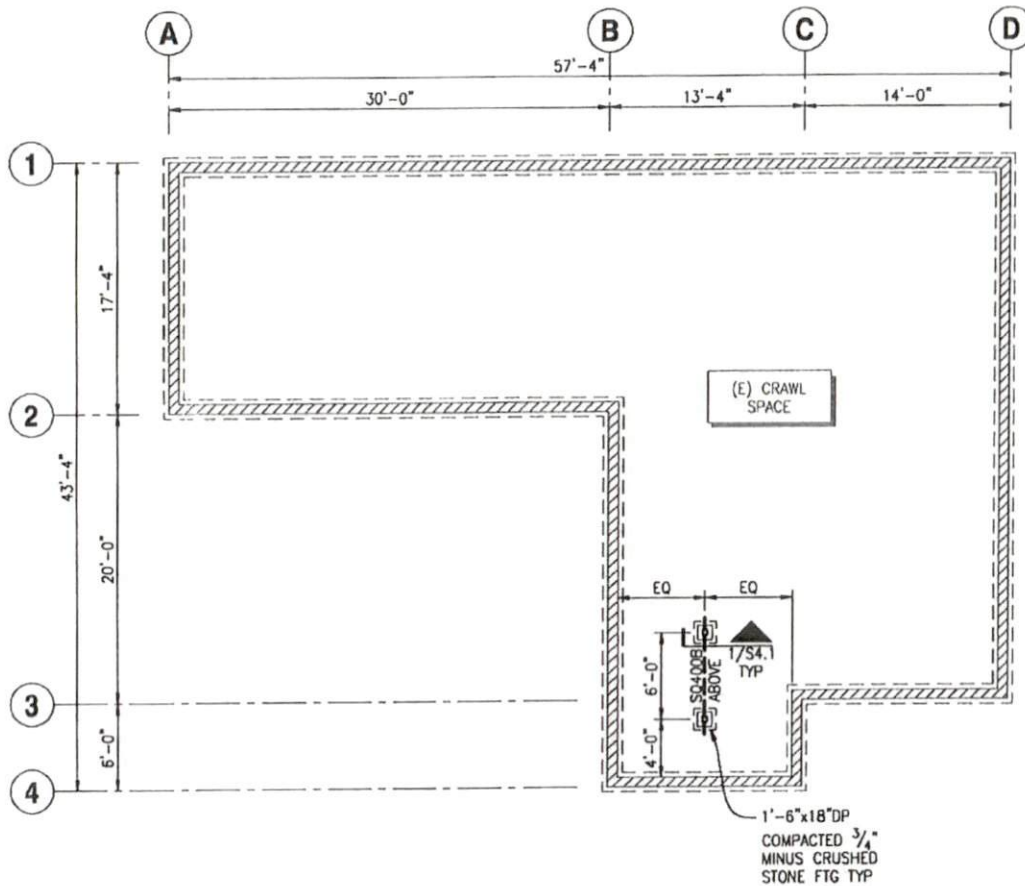
WON RESIDENCE FLOOR SUPPORT
39 KITTERY POINT
SANFORD, NC 27332

GENERAL NOTES

| REVISIONS |
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PROJECT NO: SE20-183
DESIGNED BY: JN
DRAWN BY: JN
CHECKED BY: CAF, JLD
DATE: 01-11-2021

SHEET NO:
S1.1



(E) FOUNDATION/(N) SMARTJACK LAYOUT PLAN

SCALE: 1/8"=1'-0"



(E) FOUNDATION/(N) SMARTJACK LAYOUT PLAN NOTES:

1. REFERENCE S1.1 FOR GENERAL REQUIREMENTS
2. CONTRACTOR TO NOTIFY ENGINEER OF RECORD OF DISCREPANCIES BETWEEN FIELD CONDITIONS & THOSE SHOWN IN THESE DOCUMENTS PRIOR TO WORK TYP
3. INDICATES (E) CMU STEMWALL ON (E) CONC FOOTING
4. SECTION CUT - DETAIL NUMBER/SHEET NUMBER
5. INDICATES LOCATION OF FSI SJQ350 SMARTJACK ((2) TOTAL) MAX LOAD TO SMARTJACK = 1,582 LBS
6. SMARTJACK SPACING SHALL BE AS INDICATED ON PLAN (6'-0" OC MAX) UNO
7. REPLACE "IN-KIND" ALL (E) WOOD MEMBERS (JOISTS, PURLINS, SUBPURLINS, SHEATHING, STUDS, WALL PLATES) WHICH SHOW SIGNS OF DRY ROT OR STRUCTURAL DAMAGE
8. ALL WOOD EXPOSED TO CONCRETE, WEATHER, OR WITHIN 6" OF FINISH GRADE SHALL BE PRESSURE-TREATED
9. CONTRACTOR SHALL NOT REMOVE ANY (E) POSTS OR PRE-CAST FOOTINGS SUPPORTING THE (E) FLOOR FRAMING
10. ALL FASTENERS AND HARDWARE IN CONTACT W/ PT WOOD, CONCRETE OR MASONRY SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL
11. ALL CONSTRUCTION MATERIALS ON PLANS, ELEVATIONS & DETAILS ARE (N) UNO

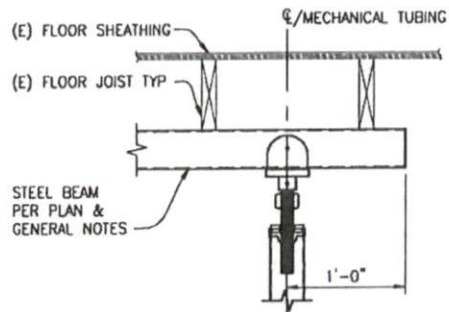
WON RESIDENCE FLOOR SUPPORT
39 KITTERY POINT
SANFORD, NC 27332

(E) FOUNDATION/
(N) SMARTJACK
LAYOUT PLAN

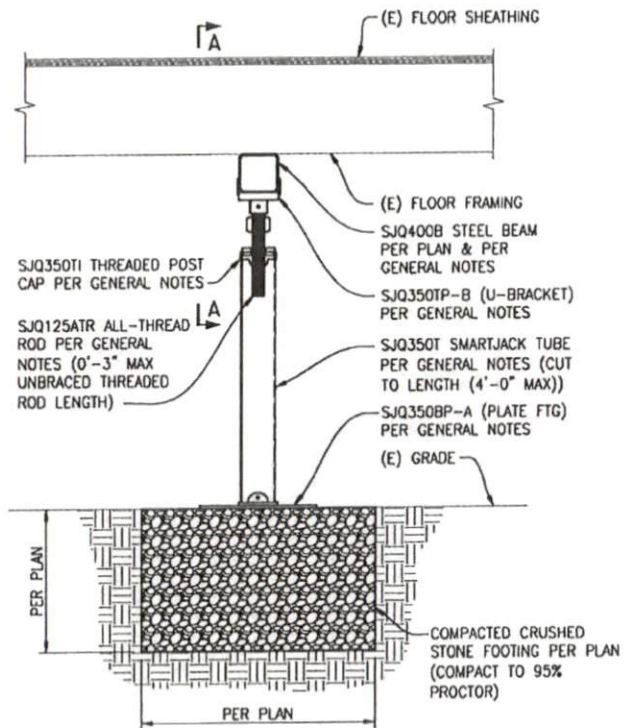
| REVISIONS |
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SE20-183
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JN
DRAWN BY:
JN
CHECKED BY:
CAF, JLD
DATE:
01-11-2021

SHEET NO:
S2.1



SECTION A-A



NOTES:

1. REF PLAN FOR LAYOUT & INSTALLATION REQ'S
2. INSTALL PER MFR RECOMMENDATIONS

(N) SMARTJACK AT (N) STEEL BEAM

SCALE: 1"=1'-0"

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WON RESIDENCE FLOOR SUPPORT
39 KITTERY POINT
SANFORD, NC 27332

SMARTJACK
DETAILS

REVISIONS

| NO. | DESCRIPTION |
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SE20-183
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JN
DRAWN BY:
JN
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01-11-2021

SHEET NO:

S4.1