

GENERAL REQUIREMENTS

- THE STRUCTURAL NOTES SUPPLEMENT THE PLANS AND SPECIFICATIONS. ANY DISCREPANCY FOUND BETWEEN THE DRAWINGS, NOTES, AND SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER WHO SHALL CORRECT THE DISCREPANCY IN WRITING. ANY WORK COMPLETED AFTER DISCOVERY OF THE DISCREPANCY SHALL BE DONE AT THE CONTRACTOR'S RISK.
- THE CONTRACTOR SHALL PROVIDE BRACING AND SUPPORT REQUIRED FOR TEMPORARY CONSTRUCTION LOADS AND FOR STRUCTURAL COMPONENTS AS REQUIRED DURING ERECTION. BACKFILL BEHIND WALLS SHALL NOT BE PLACED UNTIL THE WALLS ARE PROPERLY SUPPORTED BY FLOOR SYSTEM AND FLOOR DIAPHRAGM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE EXCAVATION, SHORING, AND OTHER WORK WITH ALL UTILITIES AND ADJACENT PROPERTIES. CALL THE UTILITY LOCATE SERVICE PRIOR TO ANY WORK AT (800) 332-2344
- MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ALL HARDWARE AND MANUFACTURED STRUCTURAL PRODUCTS SHALL BE AVAILABLE ON THE JOBSITE.
- THE CONTRACTOR SHALL COORDINATE ALL INSPECTIONS AS REQUIRED.

CODE REQUIREMENTS

- ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE INTERNATIONAL RESIDENTIAL CODE (IRC), AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION

DESIGN LOADS

LIVE LOADS

- | | |
|------------------------------------------------------|--------|
| ROOF | 20 PSF |
| FLOORS (SLEEPING) | 30 PSF |
| FLOORS (NON-SLEEPING) | 40 PSF |
| UNINHABITABLE ATTICS WITHOUT STORAGE(b) | 10 PSF |
| UNINHABITABLE ATTICS WITH LIMITED STORAGE (b,g) | 20 PSF |
| HABITABLE ATTICS AND ATTICS SERVED WITH FIXED STAIRS | 30 PSF |
- (b) UNINHABITABLE ATTICS WITHOUT STORAGE ARE THOSE WHERE THE MAXIMUM CLEAR HEIGHT BETWEEN JOISTS AND RAFTERS IS LESS THAN 42 INCHES, OR WHERE THERE ARE NOT TWO OR MORE ADJACENT TRUSSES WITH WEB CONFIGURATIONS CAPABLE OF ACCOMMODATING AN ASSUMED RECTANGLE 42 INCHES HIGH BY 24 INCHES IN WIDTH, OR GREATER, WITHIN THE PLANE OF THE TRUSSES. THIS LIVE LOAD NEED NOT BE ASSUMED TO ACT CONCURRENTLY WITH ANY OTHER LIVE LOAD REQUIREMENTS.
- (g) UNINHABITABLE ATTICS WITH LIMITED STORAGE ARE THOSE WHERE THE MAXIMUM CLEAR HEIGHT BETWEEN JOISTS AND RAFTERS IS 42 INCHES OR GREATER, OR WHERE THERE ARE TWO OR MORE ADJACENT TRUSSES WITH WEB CONFIGURATIONS CAPABLE OF ACCOMMODATING AN ASSUMED RECTANGLE 42 INCHES IN HEIGHT BY 24 INCHES IN WIDTH, OR GREATER, WITHIN THE PLANE OF THE TRUSSES. THE LIVE LOAD NEED ONLY BY APPLIED TO THOSE PORTIONS OF THE JOISTS OR TRUSS BOTTOM CHORDS WHERE ALL OF THE FOLLOWING CONDITIONS ARE MET: 1) THE ATTIC AREA IS ACCESSIBLE FROM AN OPENING NOT LESS THAN 20 INCHES IN WIDTH BY 30 INCHES IN LENGTH THAT IS LOCATED WHERE THE CLEAR HEIGHT IN THE ATTIC IS A MINIMUM OF 30 INCHES, 2) THE SLOPES OF THE JOISTS OR TRUSS BOTTOM CHORDS ARE NOT GREATER THAN 2:12, 3) REQUIRED INSULATION DEPTH IS LESS THAN THE JOIST OR TRUSS BOTTOM CHORD MEMBER DEPTH. THE REMAINING PORTIONS OF THE JOISTS OR TRUSS BOTTOM CHORDS SHALL BE DESIGNED FOR A UNIFORMLY DIST. CONCURRENT LIVE LOAD OF NOT LESS THAN 10 PSF.

GEOTECHNICAL INFORMATION

- EARTHWORK AND FOUNDATIONS ARE TO BE CONSISTENT WITH THE 2021 IRC. ALL FOUNDATIONS ARE TO BE FOUNDED ON COMPETENT NATIVE MATERIAL.
- CONVENTIONAL FOUNDATIONS HAVE BEEN DESIGNED WITH THE FOLLOWING PARAMETERS:

ALLOWABLE BEARING PRESSURE	2000 PSF
ALLOWABLE BEARING PRESSURE GRAVEL BASE	3000 PSF

EXCAVATION SUPPORT AND PROTECTION

- EXCAVATION SLOPES SHALL BE SAFE AND SHALL NOT BE GREATER THAN THE LIMITS SPECIFIED BY LOCAL, STATE, AND NATIONAL SAFETY REGULATIONS
- INSTALLATION OF CONSTRUCTION SHORING, IF REQUIRED, SHALL BE PER THE SHORING DRAWINGS, NOTES, AND SPECIFICATIONS



CLIENT:	REGIONAL FOUNDATION & CRAWL SPACE REPAIR	JURISDICTION: -----
JOB TITLE:	NOLAN FOUNDATION REPAIR 139 JACOB ST., HOLLY SPRINGS, NC 27540	

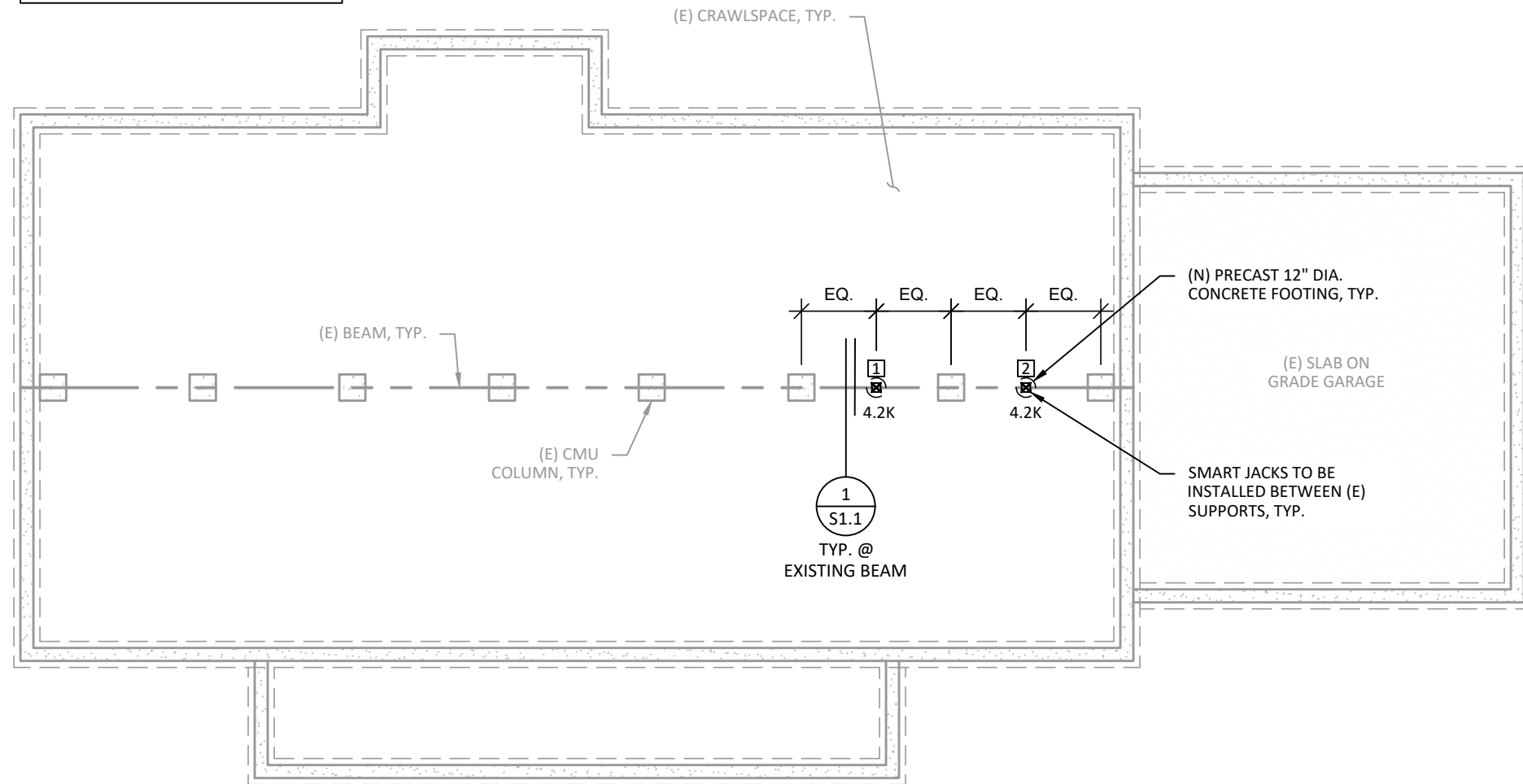


06-20-2024

DRAWING TITLE	
GENERAL NOTES	
ENGINEER: JC	CHECKED BY: DMH
DATE: 06-20-2024	DRAWN BY: AG
SHEET NUMBER	
S0.0	

DIMENSIONS SHOWN ARE APPROXIMATE AND BASED ON VISTA STRUCTURAL ENGINEERING'S BEST ESTIMATE PER SITE INVESTIGATION PERFORMED BY THE GC. IF ADDITIONAL DAMAGE TO THE EXISTING STRUCTURE IS DISCOVERED DURING REPAIR. CONSULT E.O.R. FOR ASSESSMENT.

SPECIAL NOTE:
ALL (N) BEAMS AND SMART JACKS ARE SUPPLEMENTAL TO THE EXISTING STRUCTURE. NO (E) BEAMS, COLUMNS OR FOOTINGS SHALL BE REMOVED AS PART OF THIS PROJECT.



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SMART JACK FOUNDATION PLAN

1/8" = 1'-0"

(E) FOUNDATION/(N) PIER LAYOUT PLAN NOTES

- STRUCTURAL DESIGN HAS BEEN PERFORMED BASED ON INFORMATION FROM THE CONTRACTOR. CONTRACTOR TO NOTIFY EOR OF DISCREPANCIES BETWEEN FIELD CONDITIONS AND THOSE SHOWN IN THESE DOCUMENTS PRIOR TO CONSTRUCTION/INSTALLATION.
- IN ADDITION TO THE NOTES & SPECIFICATIONS DETAILED IN THIS PLAN SET, ALL WORK & MATERIALS SHALL CONFORM TO THE 2021 IRC (R301.1.3 - ACCEPTED ENGINEERING PRACTICE) AND THE CONTRACTOR SHALL MEET ALL REQUIRED BUILDING CODE CONDITIONS IN ACCORDANCE WITH THE LOCAL JURISDICTION.

- X.XK
- INDICATES SMARTJACK (SJ350) AND DESIGN LOAD (KIPS).
 - ALL SMART JACKS, BRACKETS, HARDWARE, ETC., SHALL BE MANUFACTURED BY SUPPORTWORKS, INC.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY ALL UTILITIES AND PROTECT AS REQUIRED DURING THE COURSE OF CONSTRUCTION.



06-20-2024

VISTA
STRUCTURAL
 ENGINEERING, LLC

11575 SW PACIFIC HWY # 2262, TIGARD, OR 97223
 OFFICE: 971.253.6099 * MOBILE: 971.253.6099 *
 * DENNIS@VISTASTRUCTURAL.COM * VISTASTRUCTURAL.COM

CLIENT: REGIONAL FOUNDATION & CRAWL SPACE REPAIR

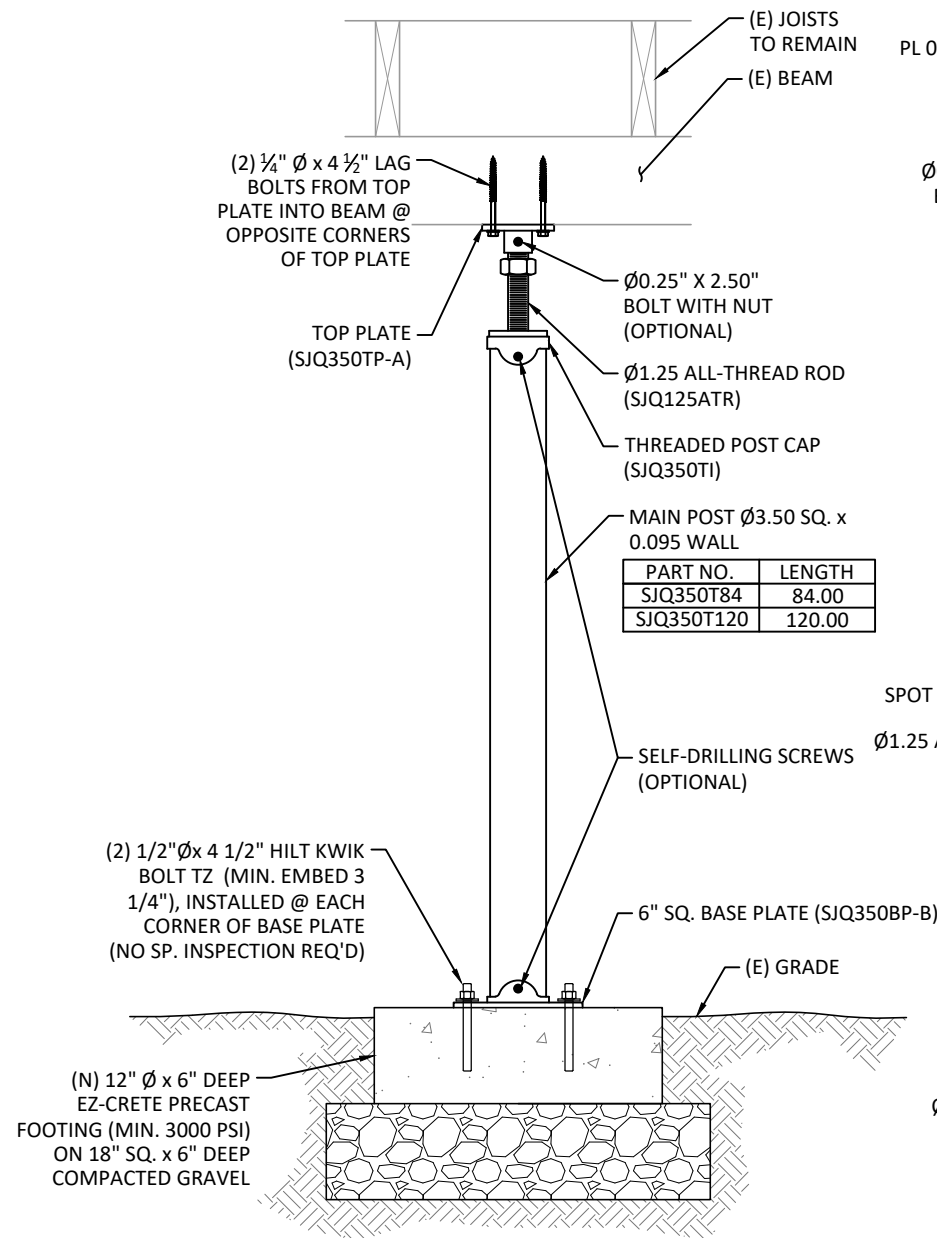
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 139 JACOB ST., HOLLY SPRINGS, NC 27540

JURISDICTION: -----

DRAWING TITLE
FOUNDATION PLAN

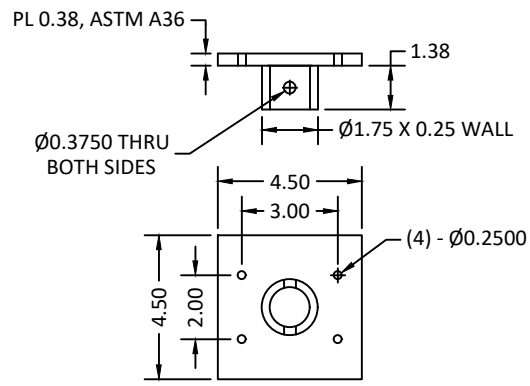
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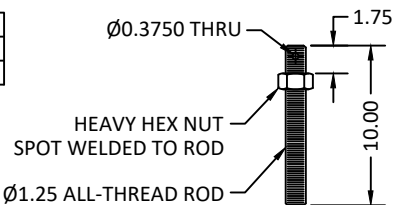


ASSEMBLY DETAIL

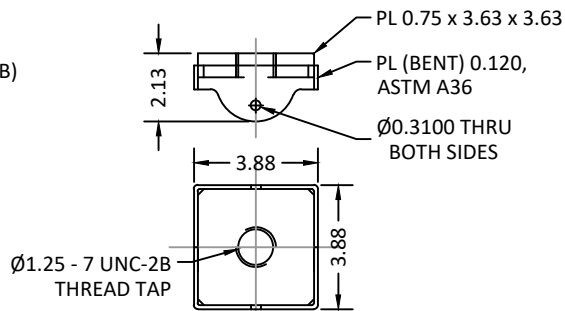
ASSEMBLY CAPACITY: 4,500 LB



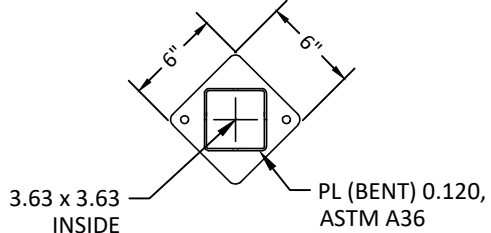
SJQ350TP-A



SJQ125ATR



SJQ350TI



SJQ350BP-B

- NOTES:
- MINIMUM MATERIAL REQUIREMENTS:
 MAIN POST - Fy = 50 ksi, Fu = 62 ksi
 SUPPLEMENTAL BEAM - Fy = 50 ksi, Fu = 62 ksi
 PLATES - ASTM A572 Gr. 50 U.N.O.
 ALL-THREAD ROD - Fy = 54 ksi, Fu = 64 ksi
 - TUBE SECTIONS ARE TRIPLE-COATED IN-LINE GALVANIZED OR HOT DIP GALVANIZED. ALL OTHER STEEL COMPONENTS ARE ZINC PLATED PER ASTM B633.
 - THIS DOCUMENT IS MEANT TO SERVE AS A GENERAL DESCRIPTION FOR THE PRODUCTS SHOWN FOR SUBMITTAL PURPOSES. MORE DETAILED MANUFACTURING DRAWINGS ARE AVAILABLE UPON REQUEST.

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S1.1 **SMART JACK 350 DETAIL**
NTS



06-20-2024

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