

# GENERAL NOTES: TIMBER PILE FOUNDATION

## GENERAL

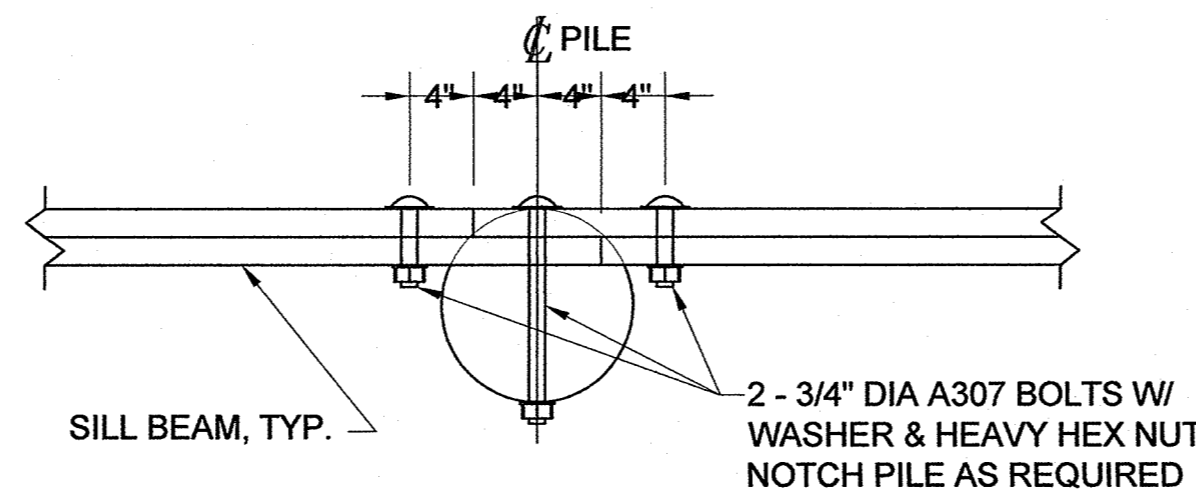
- NO FIELD SUPERVISION OR CONSTRUCTION ADMINISTRATION IS PROVIDED AT THE OWNER'S REQUEST. IT IS UNDERSTOOD THAT THE PERMITTING JURISDICTION WILL INSPECT THE WORK. THE DESIGN ENGINEER IS NOT ADMINISTERING THE WORK. THESE DOCUMENTS HAVE BEEN PREPARED FOR USE BY EXPERIENCED LICENSED CONTRACTORS.
- THE FOUNDATION SHOWN HAS BEEN DESIGNED TO MEET THE MINIMUM REQUIREMENTS OF THE BUILDING CODE.
- ALL WORK SHALL BE IN CONFORMANCE WITH ALL LOCAL & FEDERAL REQUIREMENTS, CODES & REGULATIONS.
- CONTRACTOR SHALL WORK FROM DIMENSIONS SHOWN ON ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, GIVEN QUANTITIES, OFFSETS, DROPS, INSERTS, BRICK LEDGES AND BLOCK-OUTS WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL DRAWINGS & DRAWINGS FROM OTHER TRADES.
- N/A
- N/A
- N/A

## SOIL

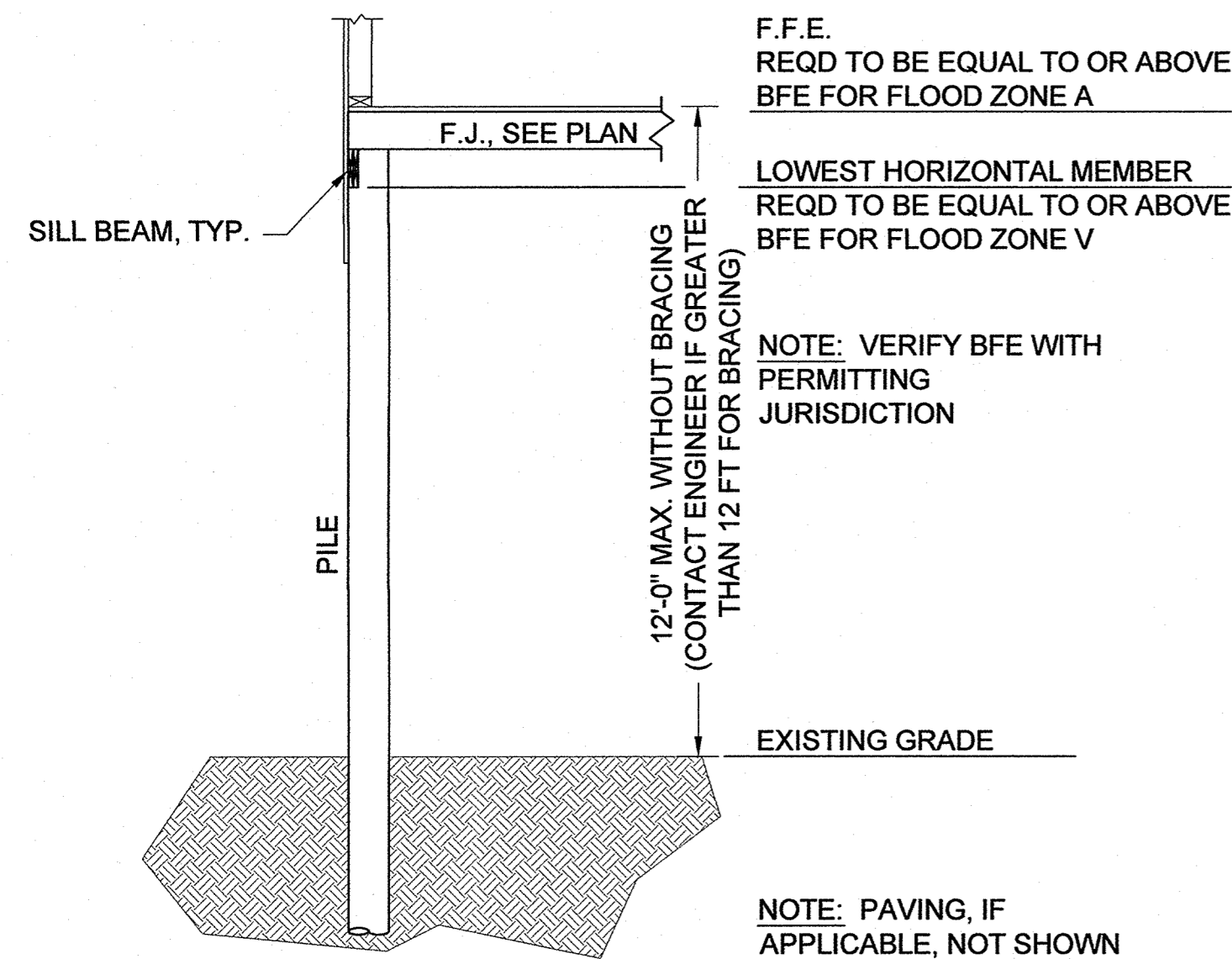
- FILL, FOUNDATION BEAM DEPTHS AND SITE PREPARATION SHALL BE IN ACCORDANCE WITH PROJECT GEOTECHNICAL (SOIL) REPORT AND PER THESE NOTES.
- THE FOUNDATION SHOWN HAS BEEN DESIGNED FOR A MINIMUM ALLOWABLE PILE CAPACITY AS SHOWN ON PLAN ASSUMING COMPRESSIBLE SOIL (NON-EXPANSIVE SOIL AS DEFINED BY THE BUILDING CODE) WITH A MAXIMUM EXPECTED GROSS SETTLEMENT OF LESS THAN 1 INCH. THE OWNER IS REQUIRED TO OBTAIN A SOIL REPORT PRIOR TO CONSTRUCTION TO VERIFY THESE DESIGN PARAMETERS. THE OWNER SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF SOIL CONDITIONS DO NOT MEET THE ABOVE STATED DESIGN ASSUMPTIONS. FAILURE TO PROPERLY TEST THE SOIL WILL VOID THE ENGINEER'S DESIGN AND THE ENGINEER SHALL BE HELD HARMLESS.
- UNLESS OTHERWISE STATED IN THE PROJECT GEOTECHNICAL REPORT, ALL VEGETATION, LOOSE MATERIAL AND ORGANIC MATERIAL SHALL BE STRIPPED FROM THE SITE AT FOUNDATION LOCATIONS. IF MORE THAN 18 INCHES OF LOOSE MATERIAL IS REMOVED CONTACT ENGINEER FOR FURTHER RECOMMENDATIONS. PROOF ROLL ALL AREAS PRIOR TO FILL PLACEMENT. REMOVE ANY SOFT MATERIALS THAT "RUT" OR "PUMP" UNDER PROOF ROLLING OPERATIONS AND REPLACE WITH STRUCTURAL FILL.
- UNLESS OTHERWISE STATED IN THE PROJECT GEOTECHNICAL REPORT, STRUCTURAL FILL SHALL HAVE A MAXIMUM LIQUID LIMIT OF 40 AND A MAXIMUM PLASTICITY INDEX (PI) < 20 (THE PI IS THE DIFFERENCE OF THE LIQUID LIMIT AND THE PLASTIC LIMIT OF THE SOIL).
- UNLESS OTHERWISE STATED IN THE PROJECT GEOTECHNICAL REPORT, CONTRACTOR SHALL PLACE FILL IN 6 TO 8 INCH LIFTS AT MOISTURE CONTENTS WITHIN 3% OF OPTIMUM AND COMPACT TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR (ASTM D698) AND SHALL EXTEND A MINIMUM OF 5 FEET BEYOND THE LIMITS OF THE BUILDING (TEST EACH LIFT, MINIMUM OF 1 TEST PER 2,000 S.F. OF AREA PER LIFT). SCARIFY BETWEEN FILL LIFTS FOR BONDING.
- SOIL COMPACTION IS THE RESPONSIBILITY OF CONTRACTOR/OWNER. FAILURE TO PROPERLY TEST OR COMPACT SOIL MAY CAUSE STRUCTURAL CRACKING IF SETTLEMENT OCCURS.
- THE MAXIMUM FILL HEIGHT ALLOWED IS AS SHOWN ON THE FOUNDATION PLAN. PLACEMENT OF FILL IN EXCESS OF THIS AMOUNT WILL VOID THE ENGINEER'S DESIGN AND HOLD THE ENGINEER HARMLESS.
- CONTRACTOR SHALL PROVIDE AND OWNER SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM THE FOUNDATION. PONDING WATER AT FOUNDATION EDGES WILL CAUSE SOILS TO GAIN MOISTURE WHICH CAN RESULT IN A LOSS OF BEARING CAPACITY, EXCESSIVE SETTLEMENT AND/OR SWELLING OF THE SOIL, ALL OF WHICH CAUSES DIFFERENTIAL SETTLEMENT.
- CONTRACTOR SHALL PROVIDE AND OWNER SHALL MAINTAIN PROTECTION FOR FOUNDATION FROM THE EFFECTS OF MOISTURE LOSS DUE TO TREES ADJACENT TO THE FOUNDATION. MOISTURE LOSS IN SOIL CAN RESULT IN SOIL SHRINKAGE WHICH CAN CAUSE DIFFERENTIAL SETTLEMENT.

## PILES

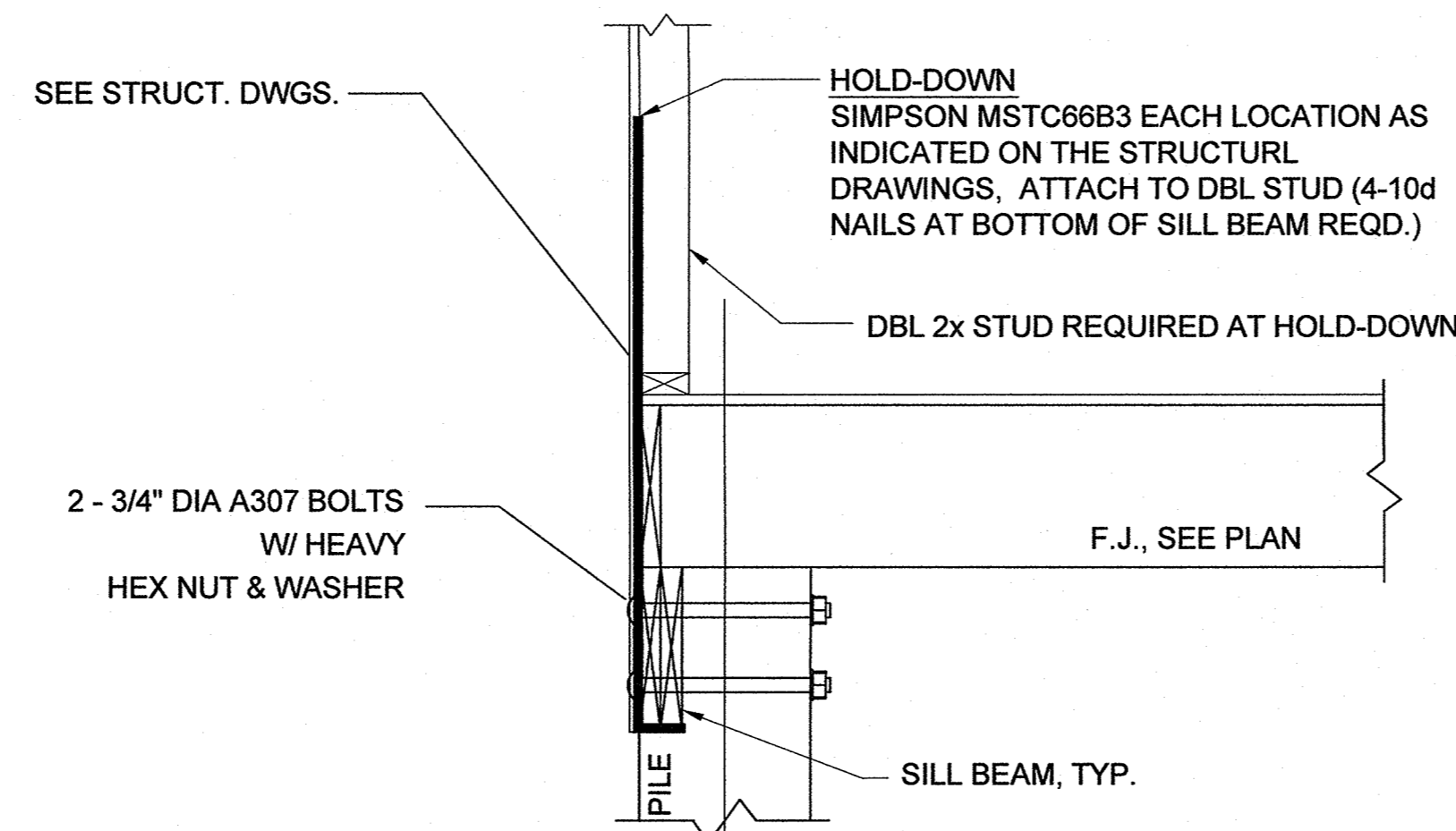
- PILES SHALL BE OF THE SIZE STATED ON THE FOUNDATION PLAN, DRIVEN WITH AN IMPACT HAMMER, NOT VIBRATED.
- PILES SHALL HAVE TIP EMBEDMENT INTO NATURAL SOIL OR DRIVEN TO REFUSAL. REFUSAL SHALL BE AS SPECIFIED IN GEOTECHNICAL REPORT OR BUILDING CODE. IF REFUSAL IS NOT SPECIFIED IN GEOTECHNICAL REPORT OR BY BUILDING CODE, REFUSAL FOR SMALL TIMBER PILES SHALL BE 12 BLOWS PER FOOT FOR TWO CONSECUTIVE FEET USING A VULCAN NO. 2 HAMMER OR A 2,000 TO 3,000 LB DROP HAMMER FALLING 5 FT; REFUSAL FOR CLASS B PILES SHALL BE 25 BLOWS PER FOOT FOR TWO CONSECUTIVE FEET USING A VULCAN NO. 1 HAMMER OR EQUIVALENT.
- TIMBER PILES SHALL BE PER ASTM D25.
- TIMBER PILES SHALL MEET AWPA STANDARDS UC4C (FORMERLY C3) FOR PRESERVATIVE RETENTION.



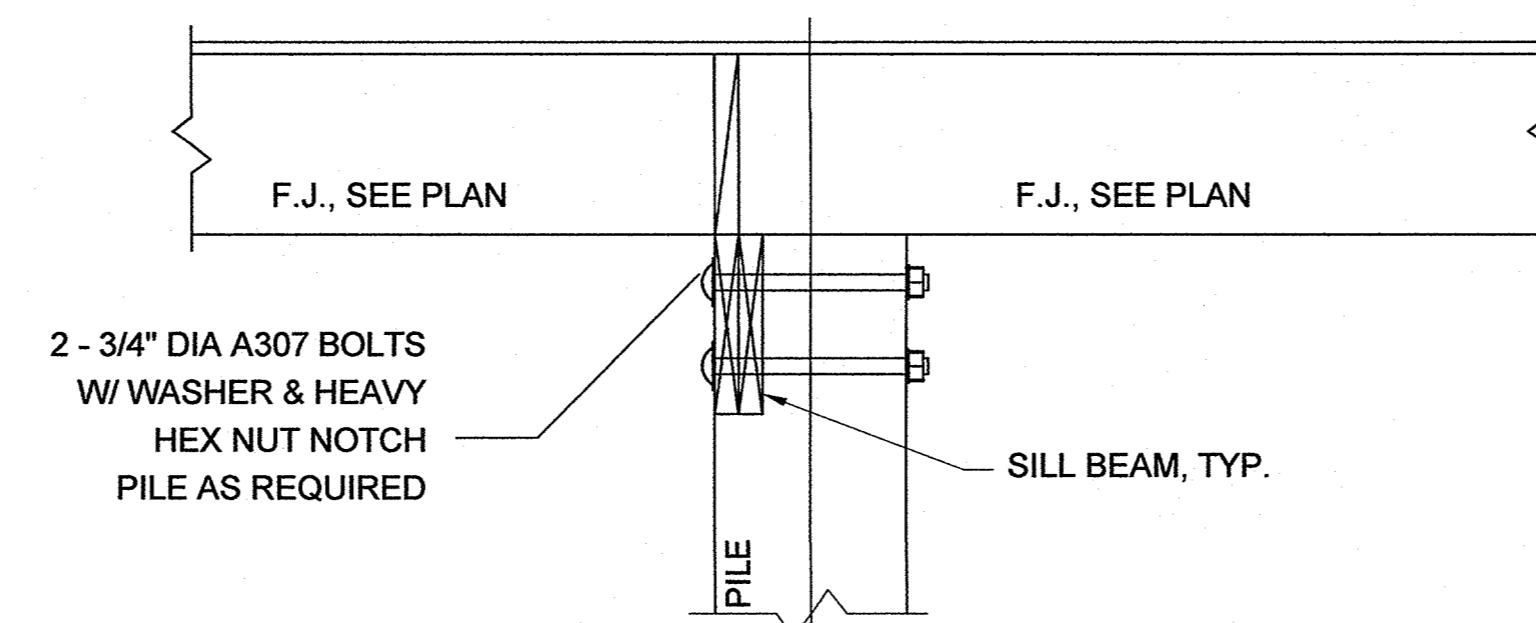
**A**  
S2.2  
**TYPICAL SILL BEAM SPLICE**  
NOTE: CONTRACTOR CAN SUBMIT ALTERNATE SPLICE DETAIL TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION  
SCALE: 1" = 1'-0"



**E**  
S2.2  
**ELEVATION DIAGRAM**  
N.T.S.



**C**  
S2.2  
**TYPICAL DETAIL AT EXTERIOR PILE**  
SCALE: 1" = 1'-0"



**D**  
S2.2  
**TYPICAL DETAIL AT INTERIOR PILE**  
SCALE: 1" = 1'-0"

REV.	REVISION DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	

## NOTES

- SEE FOUNDATION PLAN & GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION
- SEE SECTIONS A, B & C THIS DRAWING FOR INFORMATION NOT SHOWN ON OTHER SECTIONS
- SEE PLAN FOR SLAB THICKNESS

## FOUNDATION NOTES AND SECTIONS

CATHEY RESIDENCE  
LOT 17, PONTLAKE ESTATES S/D  
SLIDELL, LA  
ST. TAMMANY PARISH

**Cypress Engineering**

FDN AREA 2323	AREA U. B. 3481	PROJECT No. 15-0295FE
DRAWN BY CE	CHECKED BY DAP	DRAWING S2.1
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