

NORTH (magnetic)

Charles Washington Hall

RENOVATIONS
Corner of George & Washington Streets
Charles Town, W.Va.

For the
City of Charles Town
City of Ranson

Planning & Engineering (prime)
Hall Planning & Engineering, Inc
316 Williams Street
Tallahassee, FL 32303

Planning & Architecture
Stromberg/Garrigan & Assoc., Inc.
102 E. Main Street - The Penn Bldg
Somerset, PA 15501

Structural Engineer
Robert Silman Associates
1053 31st Street NW
Washington D.C. 20007

Mech/Elect Engineer
Comfort Designs
620 Pennsylvania Avenue
Winchester, VA 22601

Architect
GROVE & DALL'OLIO
ARCHITECTS P.L.L.C.

220 WEST KING • MARTINSBURG, WEST VIRGINIA • 25401

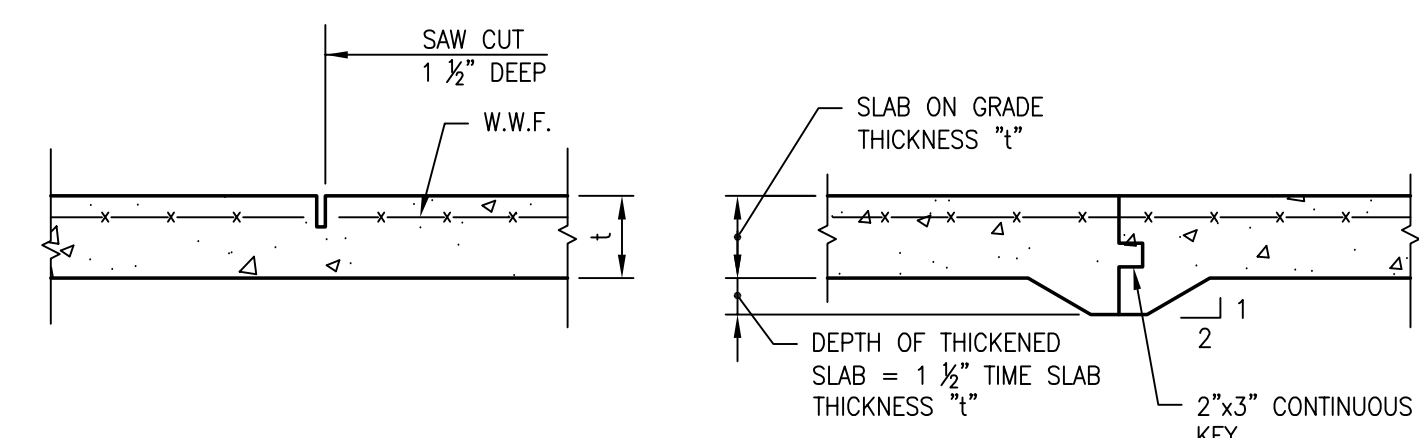
Issue/Revision Seal

Drawing Title

TYPICAL FOUNDATION AND WALL DETAILS

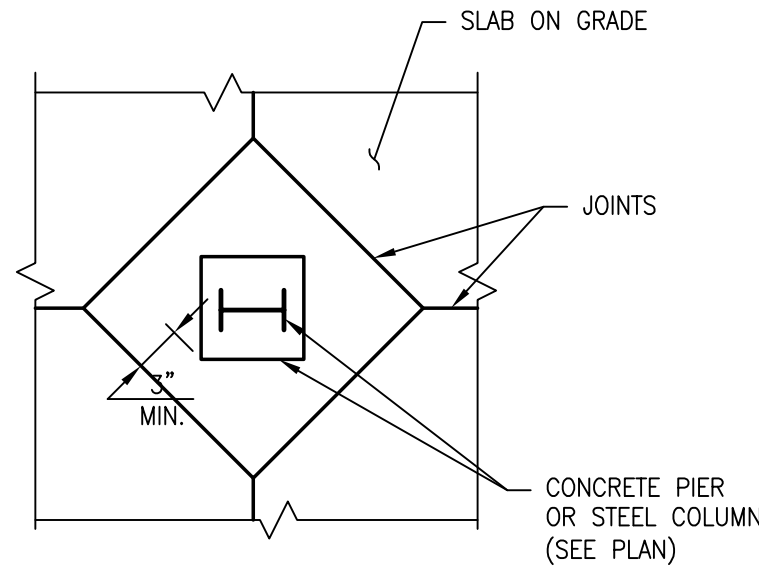
09/26/2014
Scale Project Number
Drawing Number

S4.1

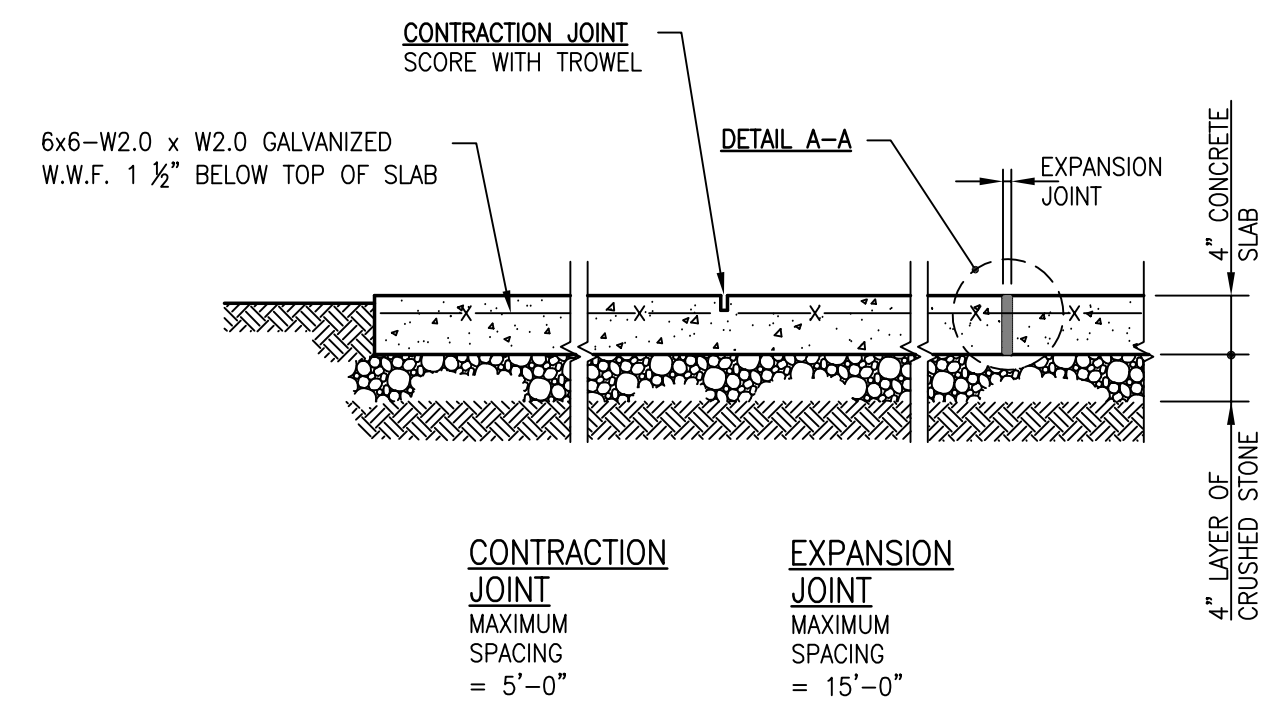


1 SAWED CONTRACTION JOINT
MAXIMUM DISTANCE BETWEEN CONTRACTION JOINTS IN INCHES IS 36 TIMES SLAB THICKNESS

CONSTRUCTION JOINT



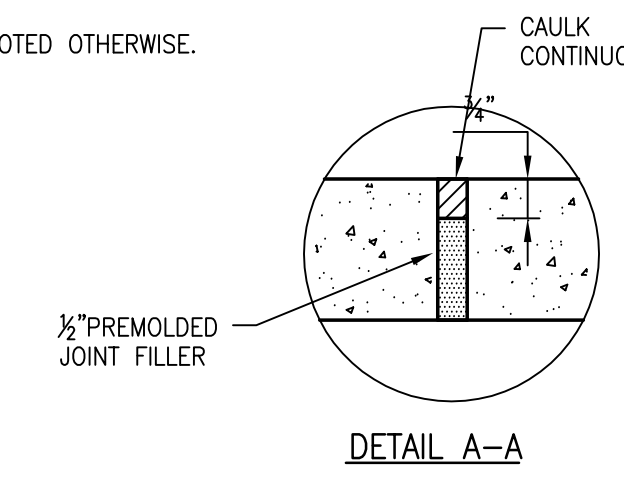
ISOLATION JOINT AT COLUMN



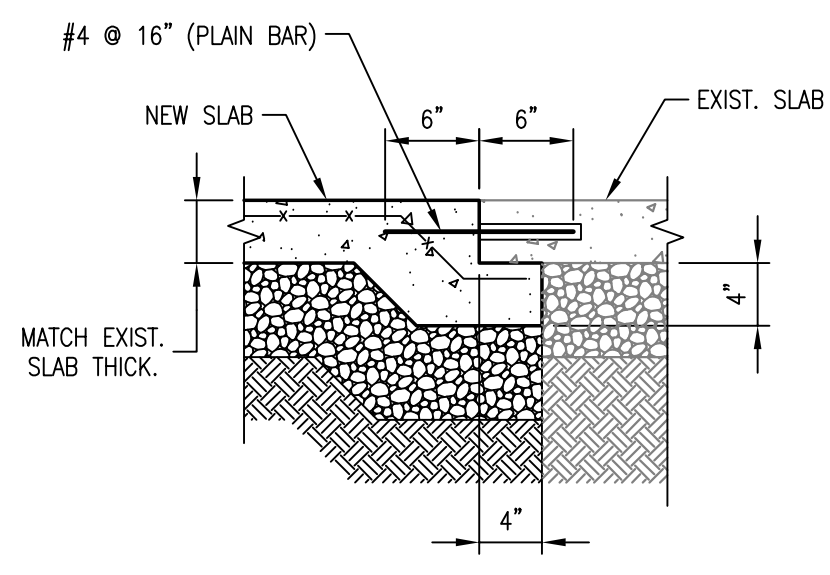
CONTRACTION JOINT
MAXIMUM SPACING = 5'-0"

EXPANSION JOINT
MAXIMUM SPACING = 15'-0"

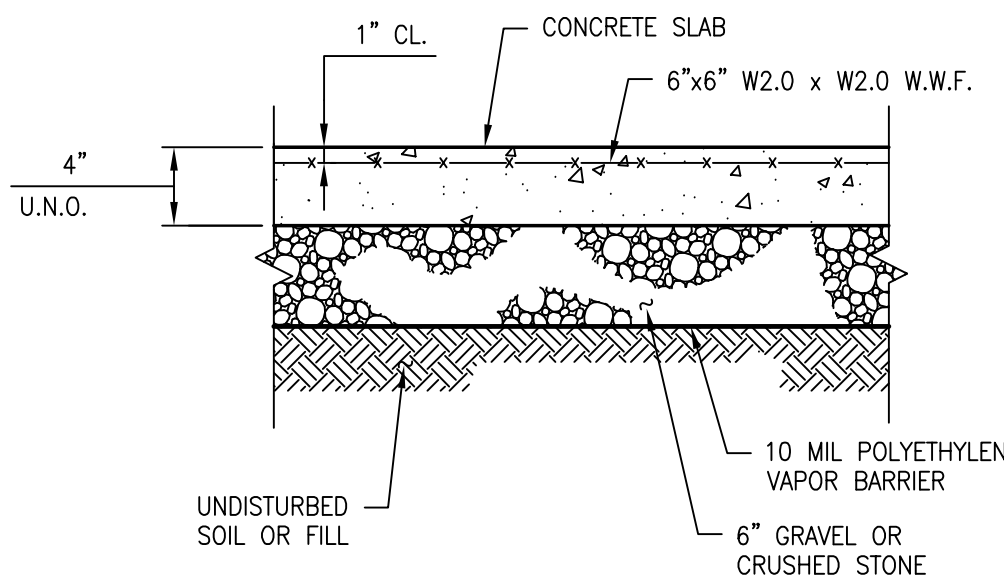
- NOTES:**
- UNDISTURBED SOIL OR FILL COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT. REMOVE ORGANIC MATERIAL.
 - BROOM FINISH UNLESS NOTED OTHERWISE.



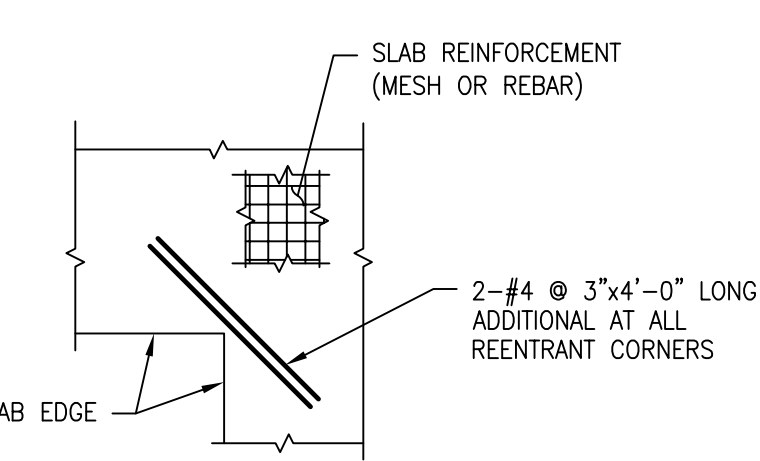
2 TYPICAL DETAIL EXTERIOR PAVING
SCALE: 3/4" = 1'-0"



3 NEW S.O.G. TO EXISTING
SCALE: 1" = 1'-0"



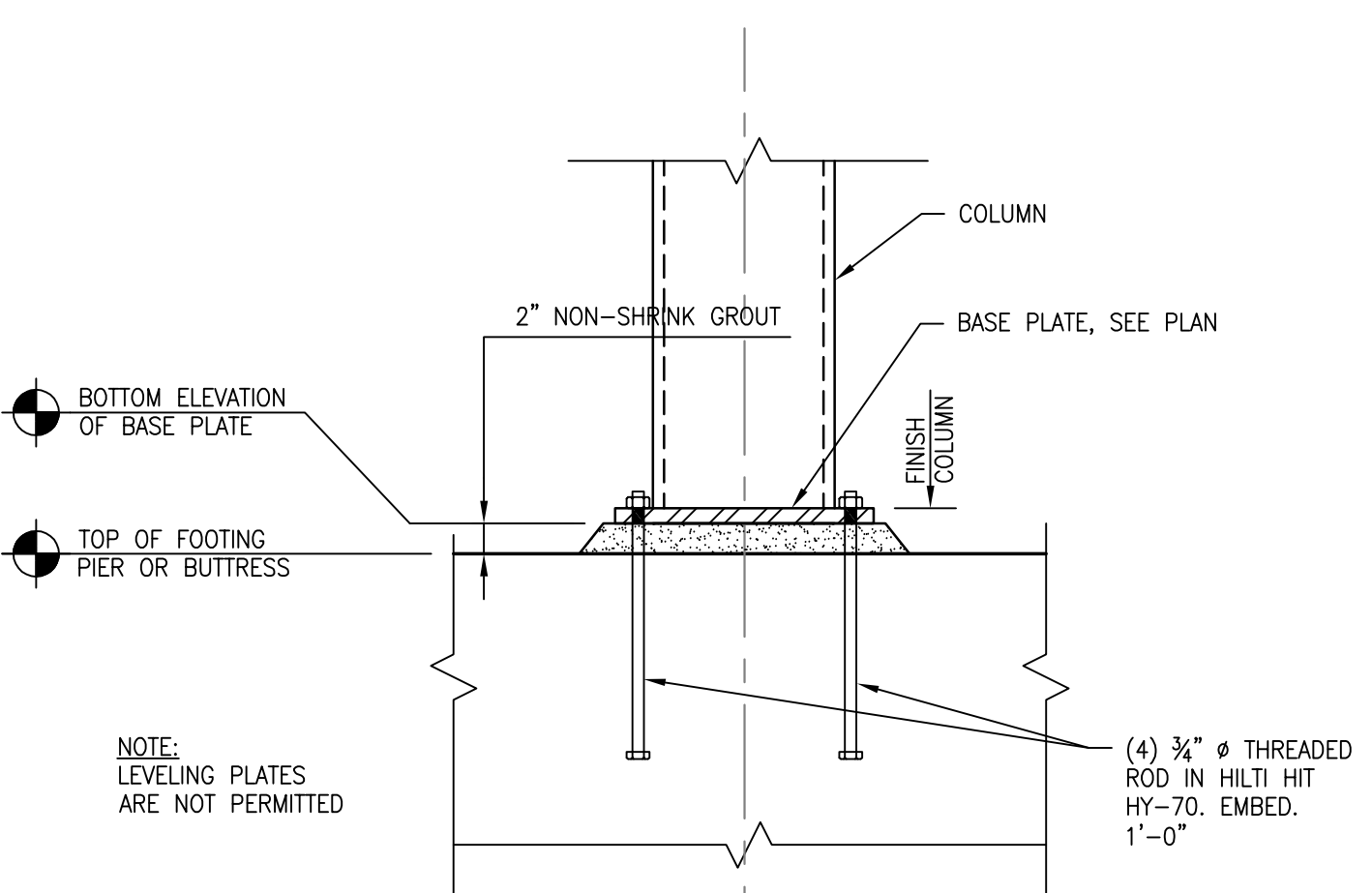
SLAB ON GRADE



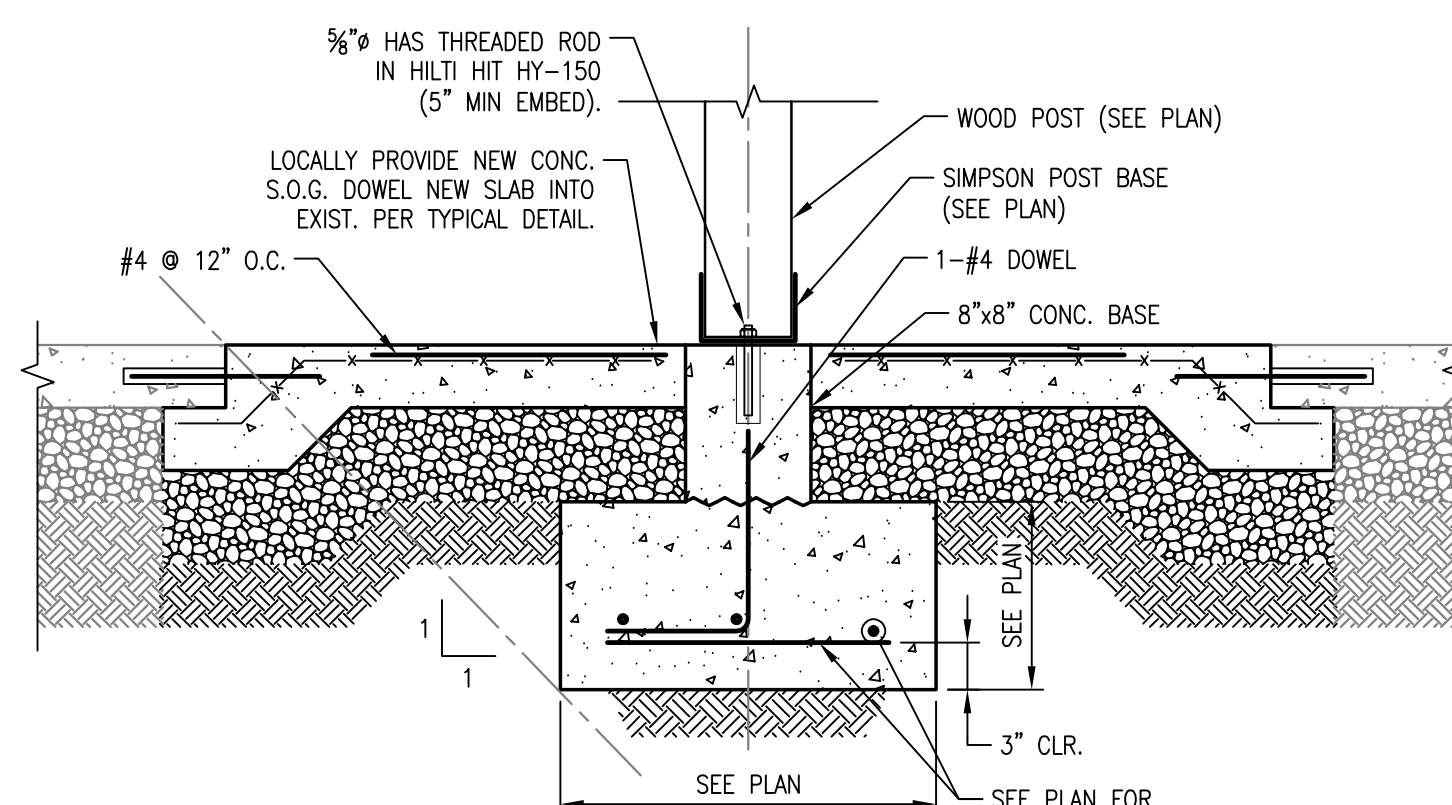
ADDITIONAL REINFORCEMENT AT ALL RE-ENTRANT CORNERS

- NOTES:**
- SLAB ON GRADE SHALL BE PLACED IN ALTERNATING STRIPS WHERE EACH SINGLE STRIP DOES NOT EXCEED 36 TIMES SLAB THICKNESS WIDTH IN INCHES.
 - SAWED CONTRACTION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING IN INCHES OF 36 TIMES THE SLAB THICKNESS. JOINTS SHALL BE SAWED NO LATER THAN 24 HOURS AFTER CONCRETE IS PLACED.
 - GRAVEL OR CRUSHED STONE BASE SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.

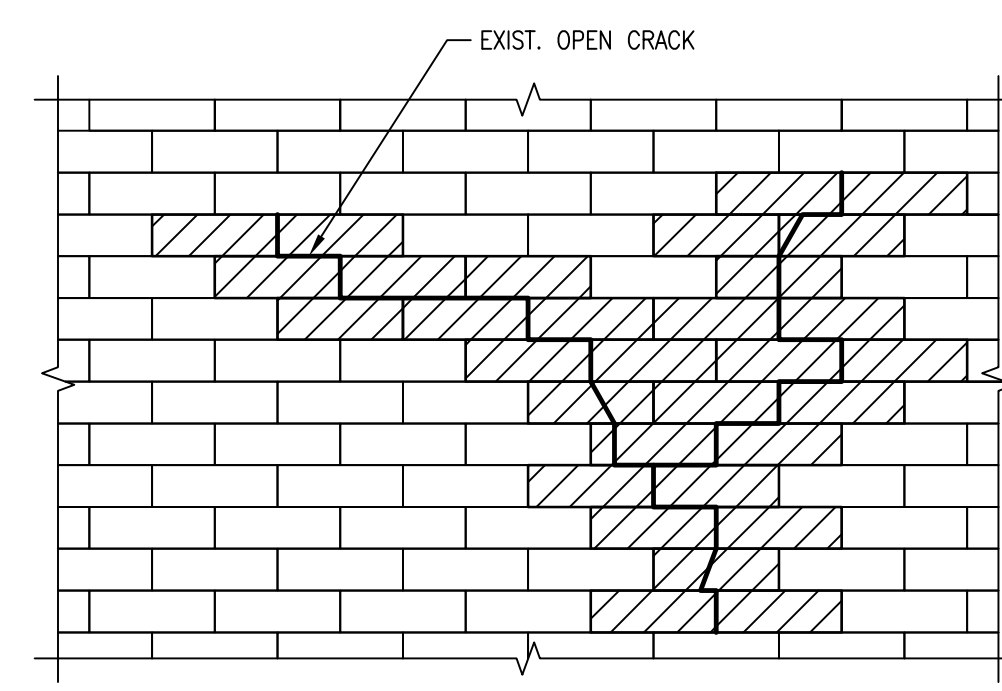
1 TYPICAL DETAILS SLAB ON GRADE
SCALE: 1" = 1'-0"



4 COLUMN BASE PLATE PIPE OR TUBE
SCALE: 1" = 1'-0"

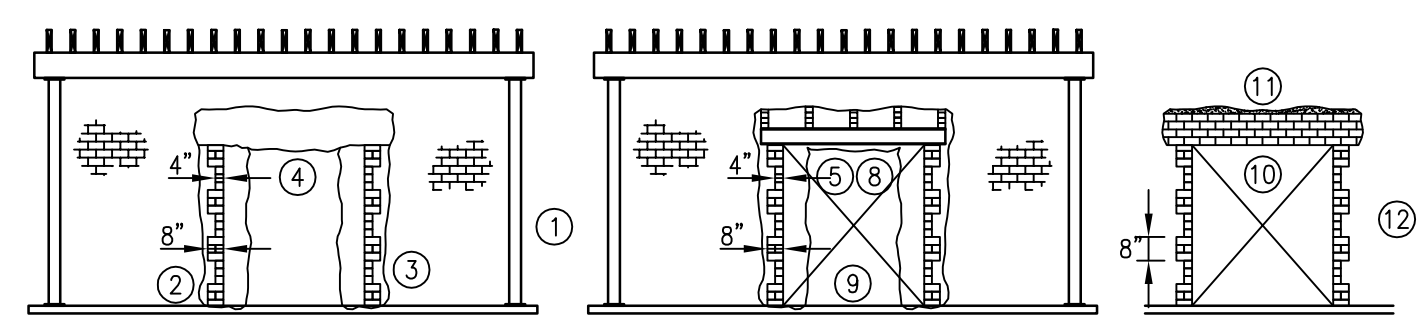


5 WOOD POST ON FOOTING DETAIL
SCALE: 1" = 1'-0"



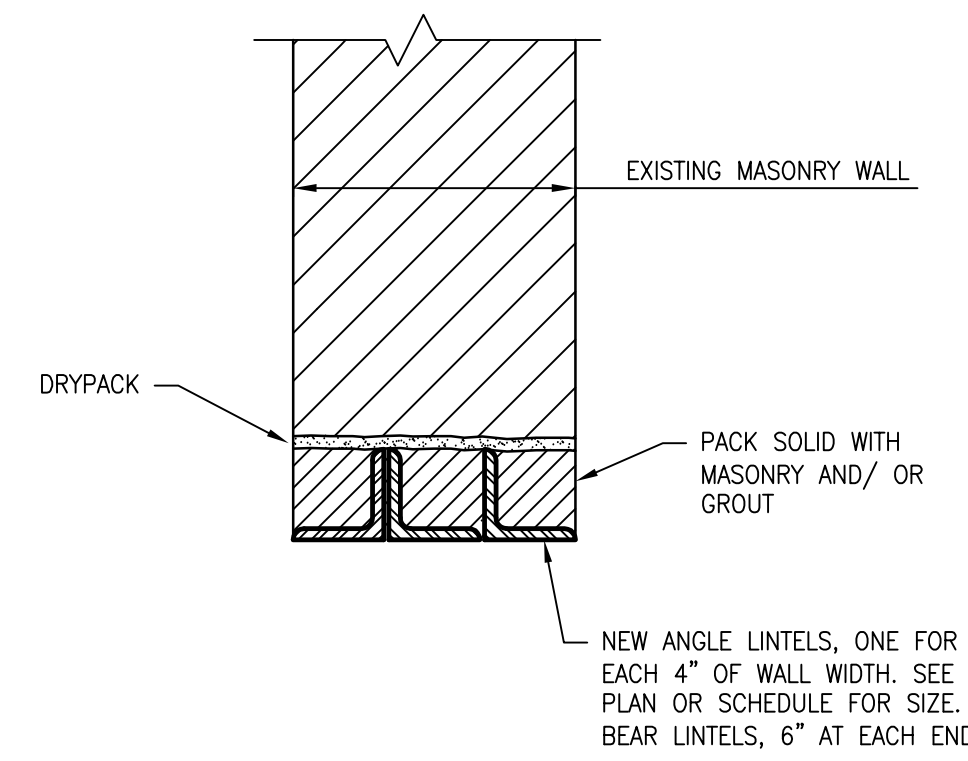
- NOTES:**
- DENOTES BRICK TO BE REPLACED. WHERE CRACK IS THRU WALL, REPLACE ALL WYTHES OF BRICK ON EACH SIDE OF CRACK TO FIRST MORTAR JOINT. REPLACE EXISTING HEADERS WITH NEW HEADERS. REPLACE LOOSE AND CRACKED BRICKS. WHERE CRACK IS ONLY IN OUTER WYTHE, REPLACE ONLY OUTER WYTHE.
 - WHERE CRACK IS OPEN AND 1/4" OR LESS AND IS PRESENT ONLY IN THE OUTER WYTHE AND ONLY IN JOINTS, RAKE AND REPOINT JOINTS ONLY.

6 MASONRY REPAIR DETAIL
SCALE: 1" = 1'-0"



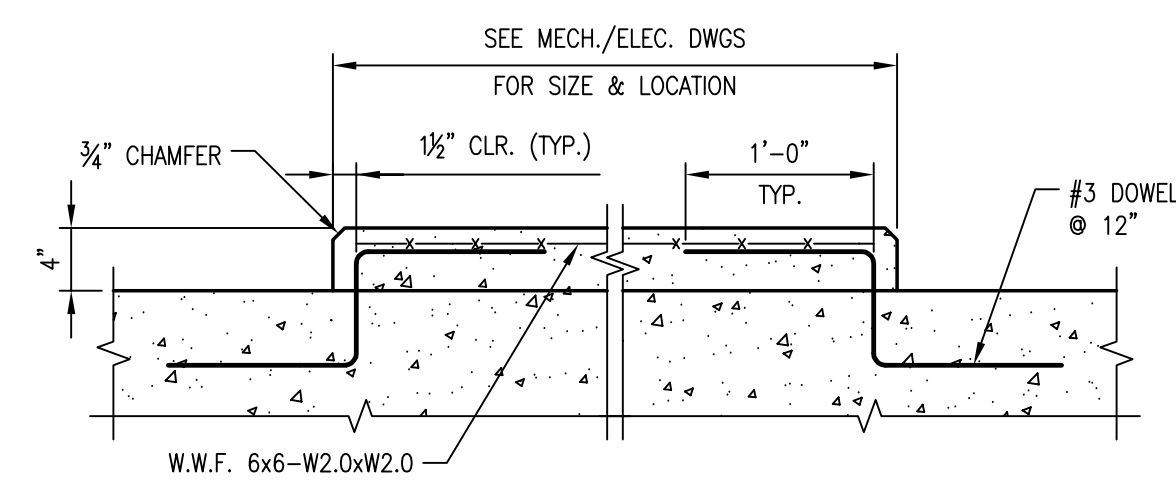
- INSTALL TEMPORARY FLOOR SHORING AS NECESSARY USING ADJUSTABLE POSTS OR FRAMING ON EACH SIDE OF BEARING WALL IMMEDIATELY ABOVE NEW LINTEL.
- REMOVE A FULL HEIGHT SECTION OF EXISTING MASONRY OPENING. THIS SECTION WILL BE APPROXIMATELY 2'-0" WIDE X FULL WALL THICKNESS. REBUILD JAMB IN MASONRY, FORMING A MINIMUM 8" SOLID JAMB, FULLY TOOTHED INTO THE EXISTING MASONRY. THE JAMB IS TO BEAR ON THE EXISTING WALL OR FOOTING BELOW.
- REPEAT STEP 2 ON THE OPPOSITE JAMB.
- REMOVE A HORIZONTAL BAND OF MASONRY APPROXIMATELY 16" HIGH BY ONE HALF THE WALL THICKNESS AT THE HEAD OF THE NEW OPENING.
- INSTALL FIRST STEEL LINTEL AND TEMPORARY BLOCKING AT 2'-0" BETWEEN TOP FLANGE AND UNDERSIDE OF EXISTING MASONRY AS NECESSARY. DRYPACK BEARING ENDS OF BEAMS TO NEW JAMBS WITH NON-SHRINK GROUT.
- REPEAT STEP 4 ON THE OPPOSITE FACE OF THE WALL.
- INSTALL SECOND STEEL LINTEL WITH PIPE SPACERS, LOOSE BOLTS AND TEMPORARY BLOCKING SAME AS STEP 5 ABOVE.
- BOLT BEAMS TOGETHER THROUGH PIPE SPACERS AT ENDS AND AT 2'-0" O.C. WITH 3/8" A36 THREADED RODS.
- DEMOLISH REMAINING MASONRY NECESSARY TO COMPLETE NEW OPENING.
- INSTALL CONCRETE ENCASEMENT
- REBUILD MASONRY ABOVE TOP FLANGE OF STEEL WITH BRICK AS NECESSARY, AND DRYPACK REMAINING GAPS.
- ALLOW 12 HOURS FOR CURING, THEN REMOVE SHORING.

7 LINTEL INSTALLATION SUGGESTED PROCEDURE
SCALE: 1" = 1'-0"



8 ANGLE LINTEL IN EXISTING WALL
SCALE: 1-1/2" = 1'-0"

ANCHOR BOLT SIZE	HOLE Ø IN BASE PL	EDGE DISTANCE FROM C OF BOLT HOLE
3/8"	1 5/8"	2"
1/2"	1 3/4"	2"
5/8"	1 3/4"	2"
1"	2 1/8"	2 1/2"
1 1/8"	2 3/8"	2 1/2"



9 EQUIPMENT PAD ON CONCRETE
SCALE: 1" = 1'-0"