

BECKER
STRUCTURAL ENGINEERS
75 York Street, Portland, Maine 04101
207-879-1838 • beckerstructure.com

OWNER
EARL W. NOYES & SONS
C/O PAUL URENECK

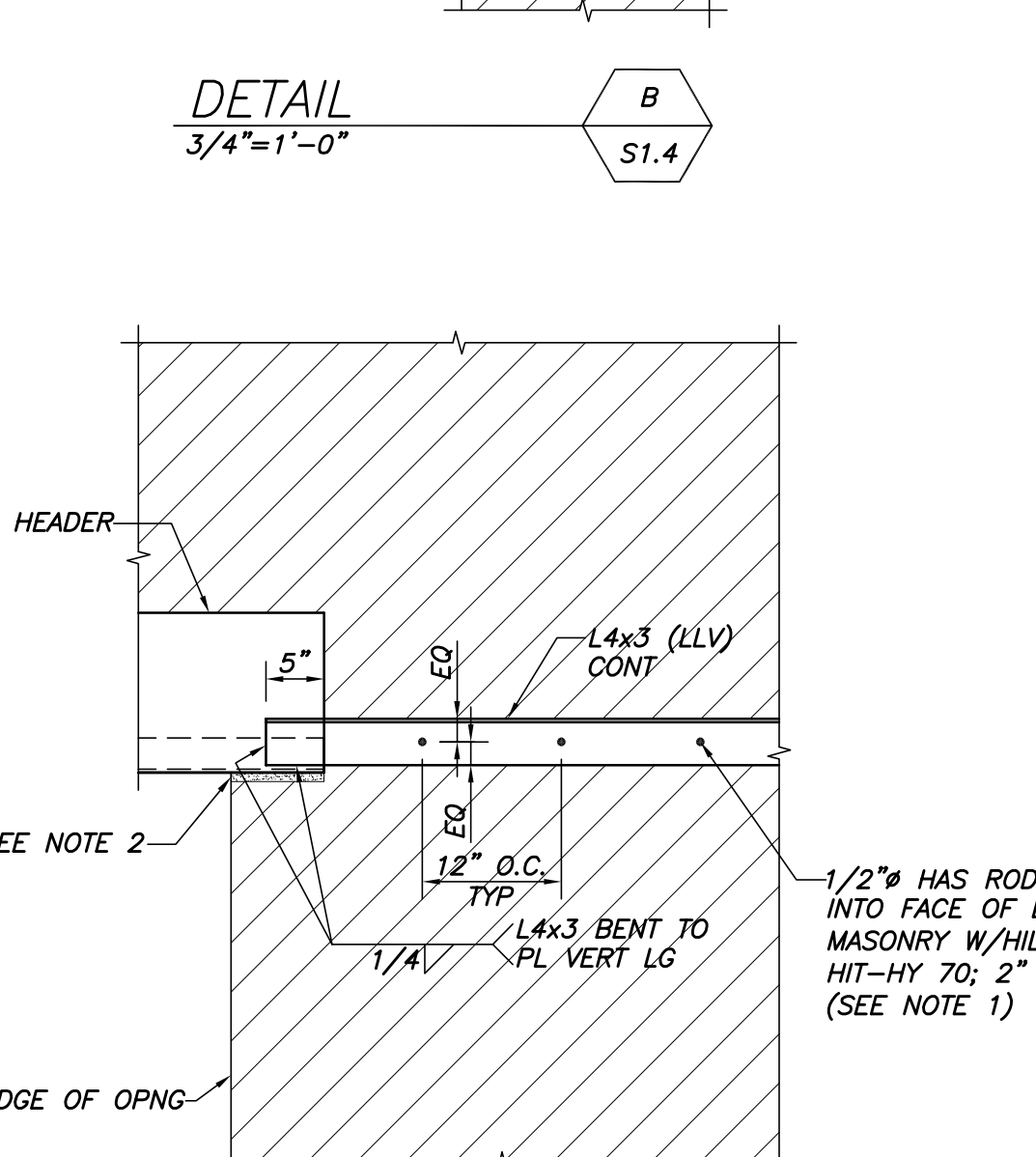
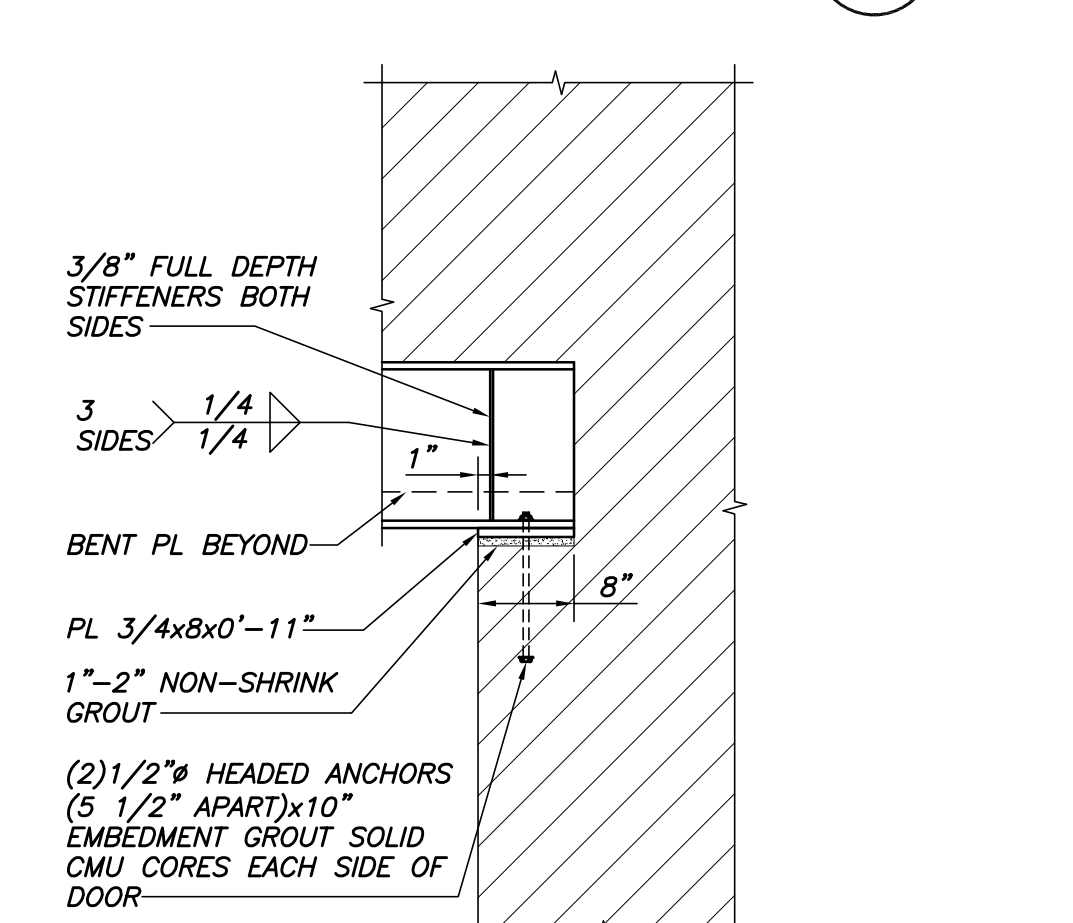
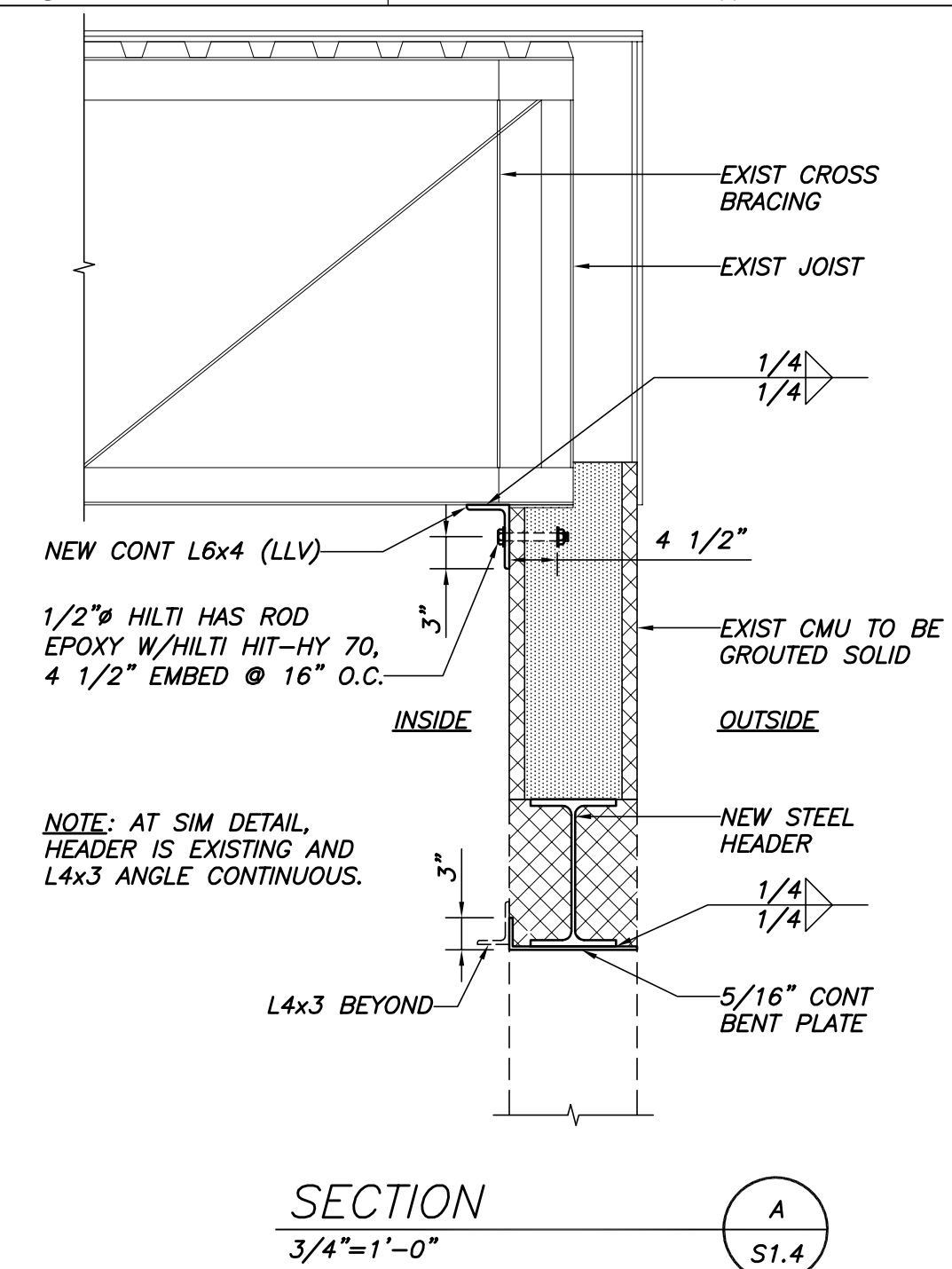
PROJECT
191 MARGINAL WAY
RETAIL CENTER

DRAWING
EXIST BUILDING
ELEVATIONS

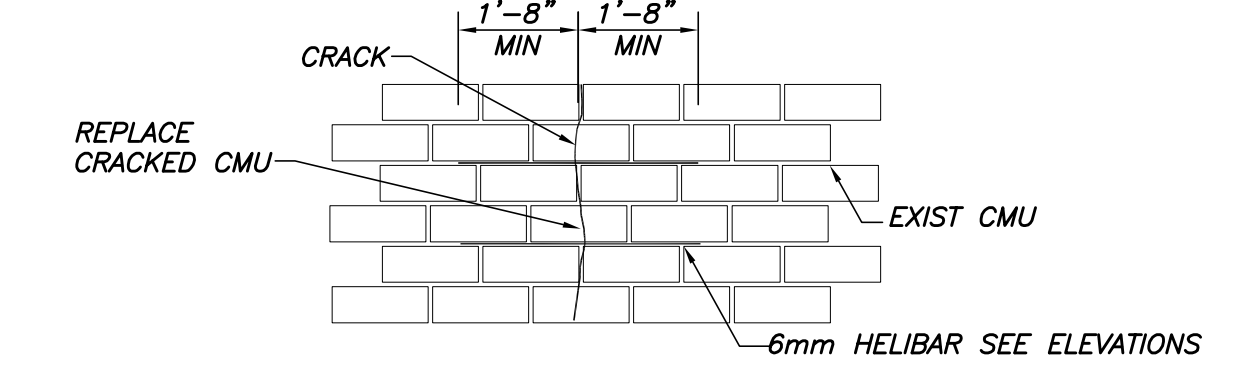
REVISIONS

NO.	DESCRIPTION

DRAWING NUMBER
S1.4
SCALE: NOTED
DATE: 02/10/2017



- MASONRY SCOPE NOTES:**
- SHORING (BY OTHERS) OF ROOF FRAMING AND/OR EXISTING MASONRY AS REQUIRED TO COMPLETE WORK SHOWN.
 - RAKE & REPOINT ANY CRACKS OR LOCATIONS OF MISSING MORTAR.
 - EXISTING CRACKS SHALL BE RAKED & REPOINTED AND SHALL INCORPORATE S.S. HELIBAR JOINT REINF EVERY OTHER COURSE. SEE STITCHING DETAIL THIS DWG. PORTION OF EXISTING WALL IS COVERED & COULD NOT BE OBSERVED AS SUCH ADDITIONAL CRACKS MAY BE PRESENT AND NEED REPAIR. PROVIDE UNIT COST FOR THE WORK.
 - INDICATES AREA TO GROUT SOLID CMU CORES.
 - INDICATES REBUILD AREA.
 - INDICATES INFILL AREA.
 - INDICATES NEW SHEARWALLS. REMOVE EXISTING CMU WITHIN NEW SHEARWALL AREA. DRILL AND EPOXY NEW DOWELS INTO EXIST CONCRETE FOOTING TO MATCH NEW WALL REINFORCEMENT & REBUILD WALL. SHEARWALL REINF: BOTH ENDS: (4)#6, LAP W/4#6x6'-6" LONG, EMBED 12" INTO EXIST FOOTING & EPOXY W/HILTI HIT-HY 200. FIELD: #5 @ 24" O.C., LAP W/#5 @ 24" DOWELSx5'-0" LONG, EMBED 7 1/2" INTO EXIST FOOTING & EPOXY W/HILTI HIT-HY 200.
 - FILL CMU CORES 4'-0" WIDE EA SIDE OF EXISTING OVERHEAD DOOR OPNGS. CORE INSPECTION HOLES TO ENSURE FULL GROUT PLACEMENT.
 - ALL NEW CMU: PROVIDE DUR-O-WALL EXTRA HEAVY TRUSS REINFORCEMENT (GALVANIZED) HORIZONTAL @ 16" O.C.
 - ALL STEEL HEADERS, LINTELS, BOLTS & ANCHORS TO BE HOT-DIP GALVANIZED.



- HELIBAR CRACK STITCHING PROCEDURE:**
- SPLIT AND CRACKED SECTIONS OF MULTI-WYTHE MASONRY SHOWN ON THE DRAWINGS TO BE REINFORCED BY MEANS OF A "CRACK STITCHING" TECHNIQUE SHALL UTILIZE THE 6mm HELIBAR 304 STAINLESS STEEL HELICAL ROD AS MANUFACTURED BY HELIFIX NORTH AMERICA, 110 MAPLECRETE ROAD, CONCORD, ONTARIO, CANADA, 888-992-9989.
 - RAKE OUT OR SAWCUT SLOTS IN THE HORIZONTAL MORTAR JOINTS A MINIMUM OF 20 INCHES EITHER SIDE OF THE CRACK TO THE DEPTH OF 1 1/2 - 2 INCHES.
 - CLEAN OUT THE JOINTS WITH COMPRESSED AIR OR WATER PRIOR TO THE INSTALLATION OF THE CEMENTITIOUS GROUT.
 - INJECT CEMENTITIOUS GROUT INTO THE BACK OF THE JOINT WITH A GROUT GUN.
 - PUSH THE 6mm HELIBAR INTO THE BACK OF THE JOINT. APPLY A BEAD OF GROUT OVER THE EXPOSED HELIBAR AND "IRON" INTO THE JOINT WITH A FINGER TROWEL.
 - REPOINT THE JOINT AND FILL THE VERTICAL CRACK WITH A BOND BREAKER AND URETHANE SEALANT SUCH AS SIKAFLEX-1g. MATCH COLOR.
 - WHERE THE DISTANCE FROM THE CRACK TO A TERMINATION POINT DOES NOT EXTEND 20 INCHES THE HELIBAR IS TO BE BENT 90° AND INSERTED INTO A 6mm DRILLED HOLE TO A DEPTH OF 3 - 4 INCHES PRIOR TO GROUTING.
 - WHERE A CRACK IS LESS THAN 20 INCHES FROM THE END OF A WALL THE HELIBAR SHOULD BE BENT AROUND THE CORNER AND BONDED INTO THE RETURN WALL AT LEAST 6 INCHES.

