

FILE NAME:

DATE:

DESCRIPTION:

PROJECT No:

ADDRESS:

## HELIFIX INSTALLATION PROCEDURES

INSTALL HELIFIX STAINLESS STEEL TIES INTO EXTERIOR STONE CLADDING. (DRYFIX TECHNIQUE) AT SPECIFIED SPACING. PATCH ALL PENETRATIONS TO MATCH EXISTING SURFACE USING DOW CORNING 790 SEALANT.

- A 8.0mm ENTRY HOLE SHALL BE PREDRILLED THROUGH THE EXISTING STONE PANEL AND CONTINUOUSLY DRILLED INTO THE PRE-CAST CONCRETE STRUCTURAL BACK-UP TO A HORIZONTAL PENETRATION DEPTH OF NOT LESS THAN 3.00". THIS DRILL PROCEDURE IS TO BE CARRIED OUT BY MEANS OF A HIGH SPEED ELECTRIC HAMMER DRILL (3 JAW CHUCK TYPE).

- NOTE: A DRYFIX SUPPORT TOOL MAY BE REQUIRED WHEN INSTALLING LONGER LENGTHS OF HELIFIX TIE INTO DENSE CONCRETE UNITS.

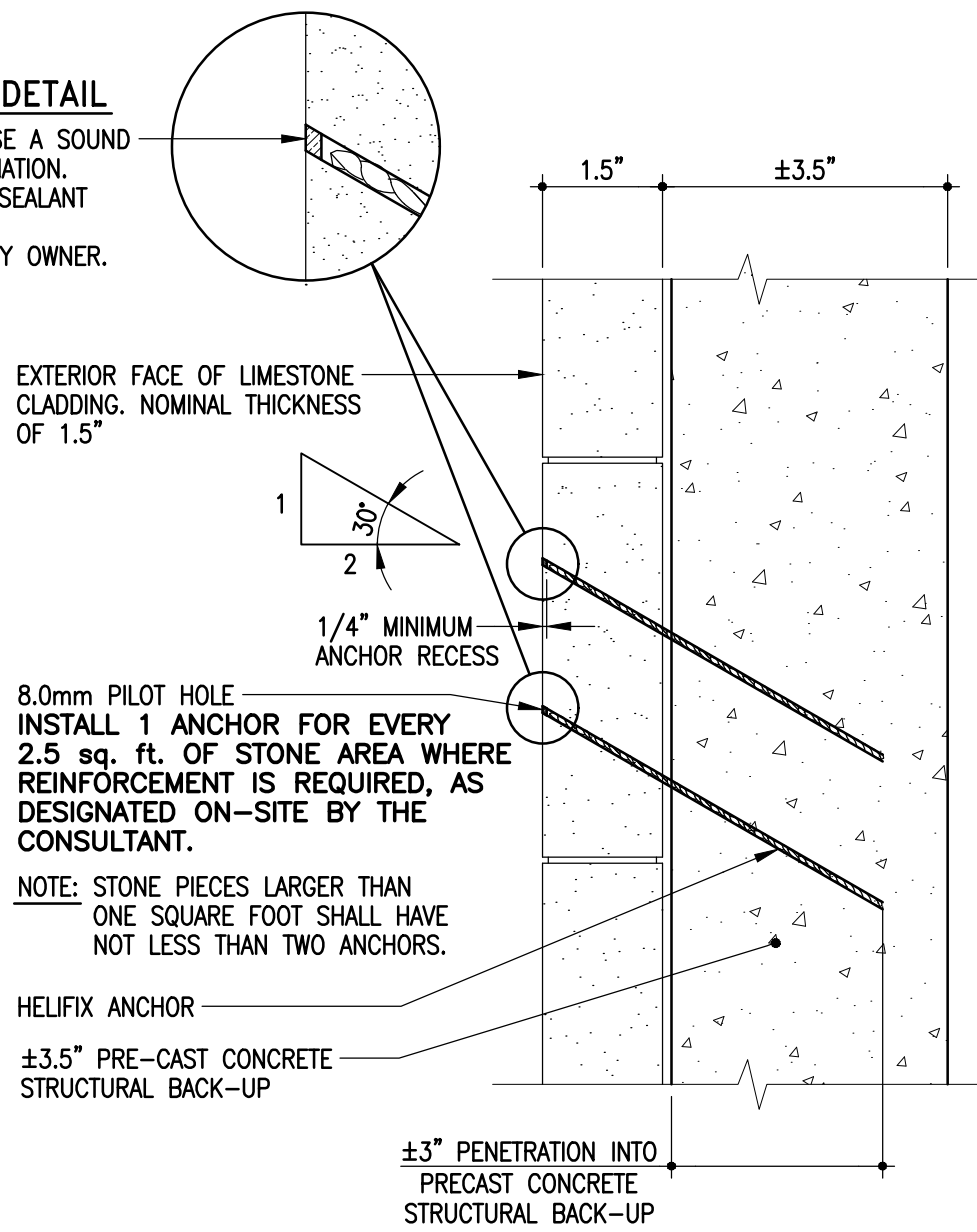
- THE 10mm HELIFIX 304 STAINLESS STEEL ANCHOR SHALL THEN BE DRIVEN INTO POSITION WITH A HELIFIX 'DRYFIX' POWER TOOL MOUNTED ON AN S.D.S. TYPE CONCRETE HAMMER DRILL AND RECESSED 1/4" FROM THE SURFACE. THE STONE SHALL THEN BE PATCHED AT THE LOCATIONS OF THE PENETRATIONS TO MATCH EXISTING ADJACENT STONE SURFACE AS PER SPECIFICATIONS.

- CONTRACTOR TO OBTAIN ALL RELEVANT DRILL BITS AND SETTING TOOLS FROM HELIFIX CORPORATION OF NORTH AMERICA LIMITED.

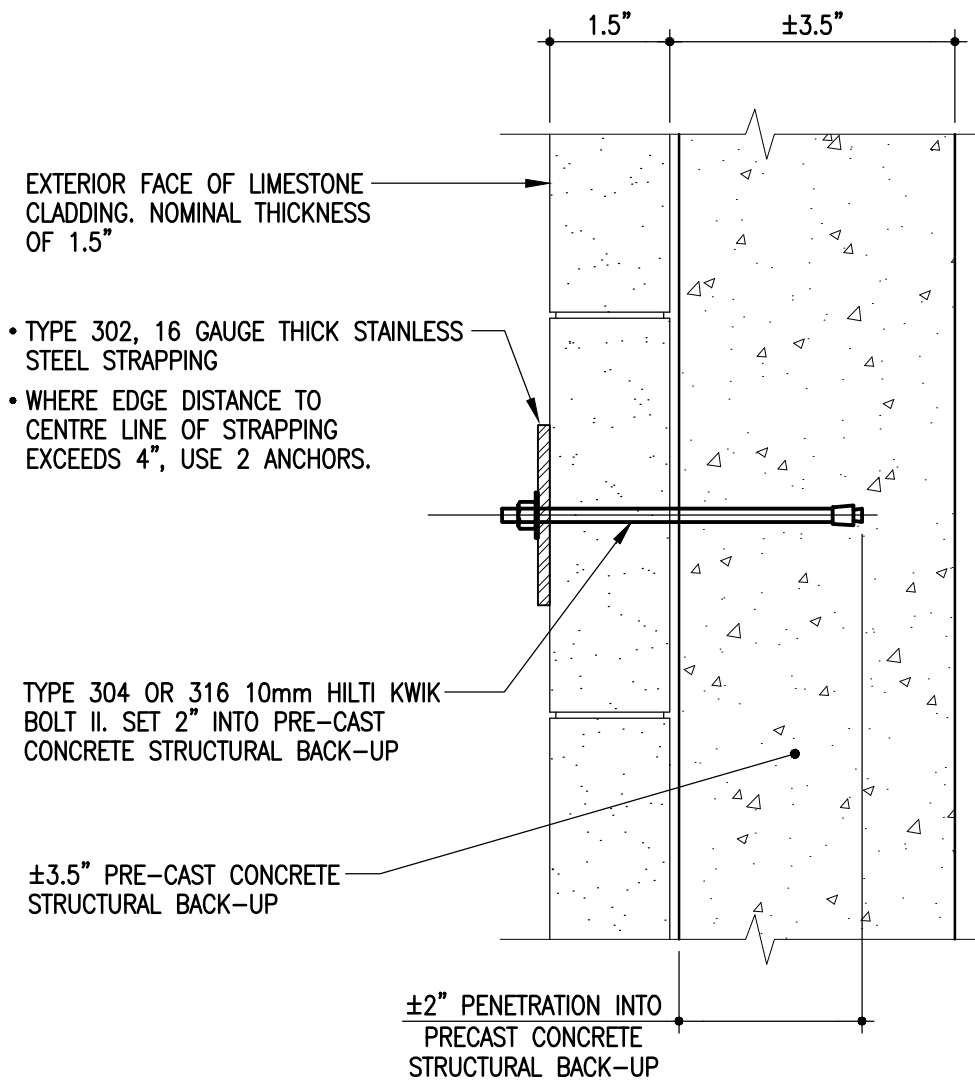
- SEE SPECIFICATION REGARDING FURTHER INFORMATION WITH RESPECT TO METHODS AND MATERIALS.

### WEATHER SEALING DETAIL

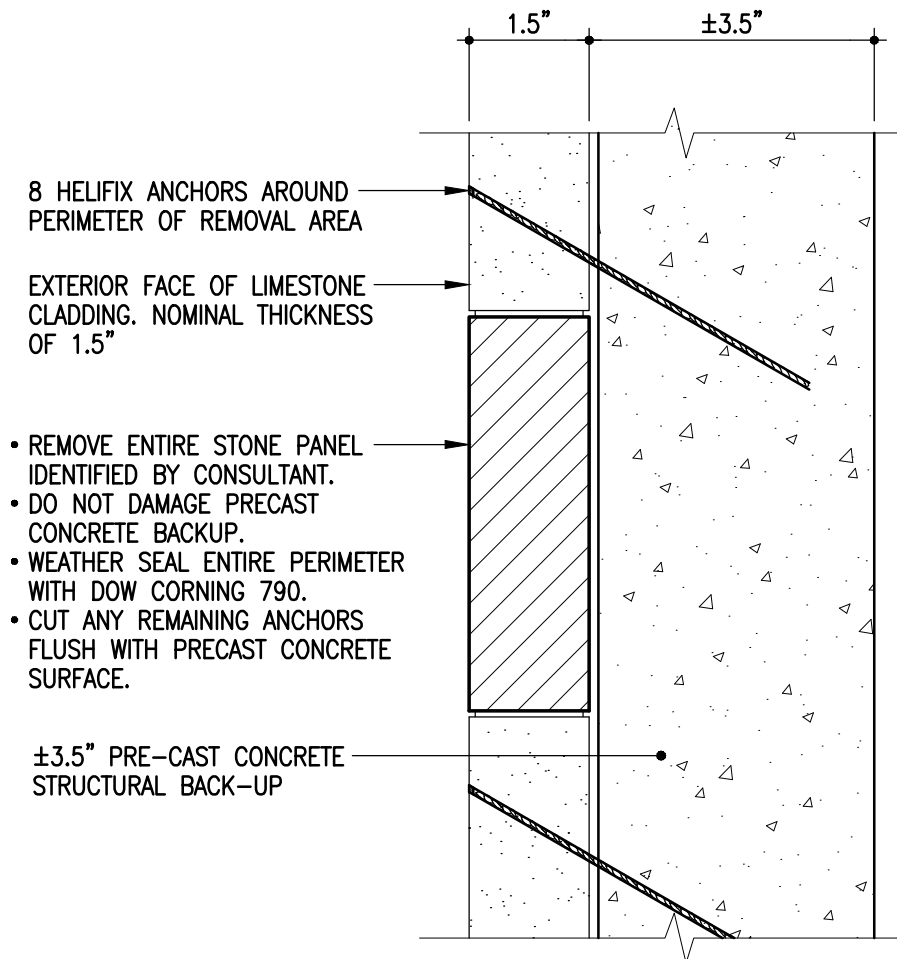
- CLEAN SUBSTRATE TO EXPOSE A SOUND SURFACE FREE OF CONTAMINATION.
- INSTALL DOW CORNING 790 SEALANT DRY TOOLING ONLY.
- COLOUR TO BE APPROVED BY OWNER.



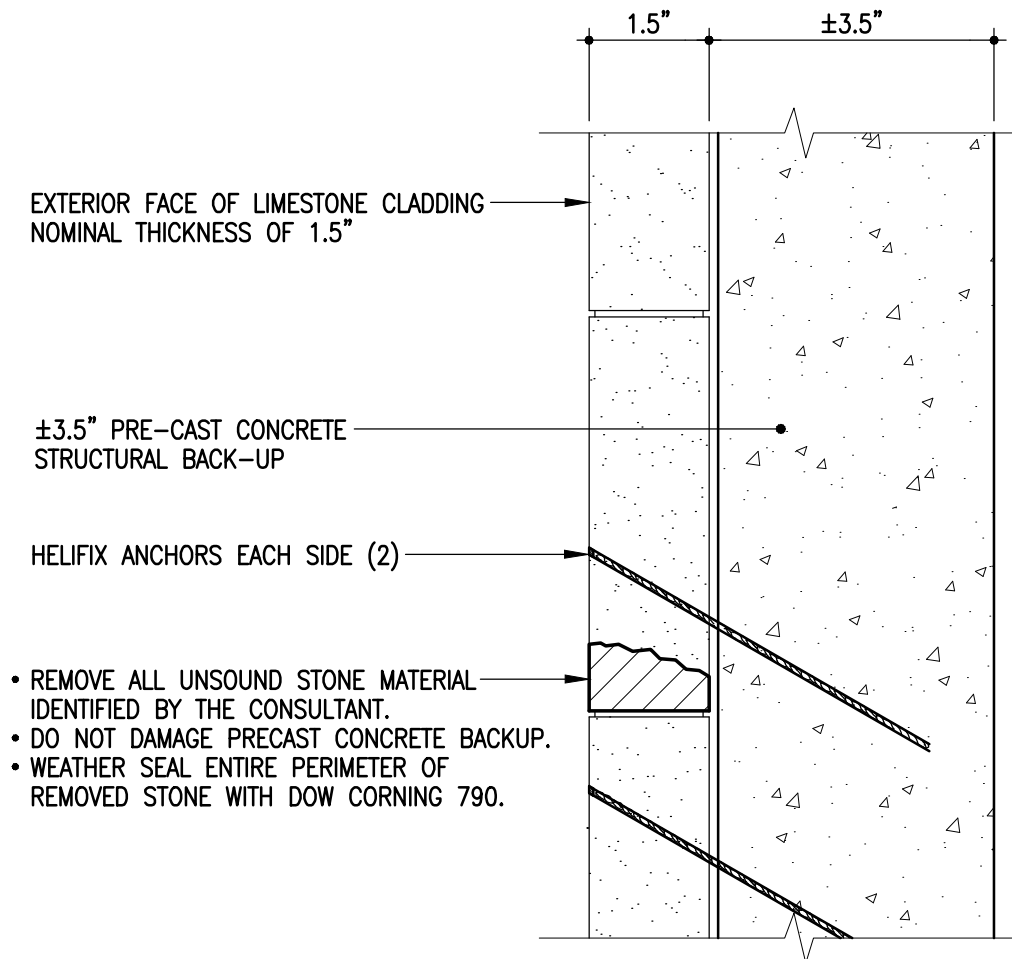
**A** HELIFIX ANCHOR DETAIL  
SK-2 N.T.S. UNIT PRICE



**B** HILTI KWIK BOLT 3 STRAPPING DETAIL  
SK-2 N.T.S. UNIT PRICE



**C** STONE PANEL REMOVAL  
SK-2 N.T.S. UNIT PRICE



**D** REMOVAL OF SECTIONS OF STONE PANEL  
SK-2 N.T.S. UNIT PRICE


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2016-0645



Crosier Kilgour  
& Partners Ltd.  
CONSULTING STRUCTURAL ENGINEERS

NO.	REVISION/DESCRIPTION	BY	DATE
1	ISSUED FOR BID	SWW	6/21

DRAWN BY	JSR	CHECKED BY	SWW	APPROVED	JAW
DATE	2016.06.21	USER APPROVAL			

 CITY OF WINNIPEG  
PLANNING, PROPERTY &  
DEVELOPMENT DEPARTMENT  
CIVIC ACCOMMODATIONS DIVISION  
300 - 65 GARRY ST. R3C 4K4

PROJECT  
PUBLIC SAFETY BUILDING  
151 PRINCESS STREET  
2014 CLADDING STABILIZATION  
WINNIPEG, MANITOBA

SHEET TITLE  
DETAILS AND NOTES

SCALE	PROJECT NO.	SHEET NO.
AS NOTED	2016-0645	SK-2

DRAWING SHEET SIZE: 24x36 PLOT 1:1