

SENERAL NOTES FOR POST-INSTALLED ANCHORS

CATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI AT (800) 879-8000 FOR PRODUCT RELATED QUESTIONS.

ICHORAGE TO CONCRETE

FOR CRACKED AND UNCRACKED CONCRETE USE: OR USE: 1-HY 200 SAFE SET SYSTEM WITH HILTI HIT-Z RO -THY 200 SAFE SET SYSTEM WITH HILTH HILL-Y ROD PER ICC-ES ESR-3187
-THY 200 SAFE SET SYSTEM WITH HILTH DILLOW DRILL BIT AND VACUUM WITH HAS THREADED ROD PER ICC-ES ESR-3187
-RE 500-3 SAFE SET SYSTEM WITH HILTH HOLLOW DRILL BIT AND VACUUM WITH HAS THREADED ROD PER ICC-ES

- TELE ELEMENTS FOR USE WITH ADHESNE.

 HUTH HAS-Y-ES GRADE 35 CARBON STEEL ROD

 HUTH HAS-BE-ES GRADE 55 CARBON STEEL ROD

 HUTH HAS-BE-DIG SPANE 105 CARBON STEEL ROD

 HUTH HAS-BE-DIG STANLESS STEEL ROD

 HUTH HAS-B

- UDES THE FOLLOWING DESIGN PARAMETERS:

- AL TEMPERATURE OF 23 TO 104 DEGREES FAHRENHEIT MITH HAMMER-DRILL, HOLLOW DRILL BIT SYSTEM, AND CORE DRILLING METHODS
- MEDIUM DUTY MECHANICAL ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:

 (1) HILT NAWK HENSEZ (MH.EZ) KH.EZ DOC, KH.EZ S.SUSK KCH.EZ C. KH.EZ E. KH.EZ I. AND KH.EZ P SOREM ANCHOR SAFE SET

 (SYSTEM WITH HOLLOW DRILL BIT AND VACUUM PER ICC-ES ISER 3027 C. KH.EZ E. KH.EZ I. AND KH.EZ P SOREM ANCHOR SAFE SET

 (1) HILT NAWK BOLL TZZ EXPANSION ANCHOR SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM AND SI-AT-A2Z TOOL WITH ADAPTIVE

 (1) HILT NAWK BOLT I EXPANSION ANCHOR SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM AND SI-AT-A2Z TOOL WITH ADAPTIVE

 (2) HILT NAWK BOLT I EXPANSION ANCHOR SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM AND SI-AT-A2Z TOOL WITH ADAPTIVE

 (2) HILT NAWK BOLT I EXPANSION ANCHOR SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM AND SI-AT-A2Z TOOL WITH ADAPTIVE

 TORQUE FOR APPLICABLE SIZES PER IMPMO ER-678
- HEAVY DUTY MECHANICAL ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:

 (1) HILTI HAN UNDERCUT ANCHORS FOR ICC-ES ESR 1546

 (2) HILTI HSL-4 EXPANSION ANCHORS FOR ICC-ES ESR 1546

 (3) HILTI HSL-3-R EXPANSION ANCHORS FOR ICC-ES ESR 1546
- COLD-WEATHER ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
 (1) HILTI HIT-ICE SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM

REBAR DOWELING INTO CONCRETE

- ADHESNE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE: (1) HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM WITH CONTINUOUSLY DEFORMED REBAR PER ICC-ES ESR-3187
-) HILTI HIT-HY 500V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM WITH CONTINUOUSLY DEFORMED REBAR PER ICC-ES ESR-3814. IN DIAMOND CORED HOLES
 SER-3814 IN DIAMOND CORED HOLES
 SHILTI HIT-HY 500 SAFE SET SYSTEM WITH HILTI ROUGHENING TOOL (HIT RT) WITH CONTINUOUSLY DEFORMED REBAR PER ICC-ES ESR-3814 IN DIAMOND CORED HOLES
 SHILTI HIT-HY 500 SAFE SET SYSTEM WITH HILTI ROUGHENING TOOL (HIT RT) WITH CONTINUOUSLY DEFORMED REBAR PER ICC-ES ESR-3187 FOR DIAMOND CORED HOLES

LUDES THE FOLLOWING DESIGN PARAMETERS:

- WIED CONCRETE
 ALTEMPERATURE OF 23 TO 104 DEGREES FAHRENHEIT
 ALTEMPERATURE OF 23 TO 104 DEGREES FAHRENHEIT
 WITH HAMMER-PRILL, HOLLOW DRILL BIT SYSTEM, AND CORE DRILLING METHODS
 -ES REPORT WITH APPROVAL FOR DEVELOPMENT OF BAR USING ACI PROVISIONS FOR EMBEDMENT DEPTHS GREATER THAN 20

)ANCHORAGE TO SOLID GROUTED MASONRY

- 2/0 safe set system with hilti hollow drill bit and vacuum per icc-es esr-4143 R element shall ee hilti has-b, has-e, has-r, has-v, his-rn continuously threaded rod or deformed steel redar

- MECHANICAL ANCHORS USE:

 (1) HLTI KWIK BOLT-1 FLANISION ANCHOR PER IAPMO ER-678

 (2) HLTI KWIK BOLT-1ZE EKPANISION ANCHOR PER ICC-ES ESR-4561

 (2) HLTI KH-EZ, KH-EZ CRC, KH-EZ SS316, KH-EZ C, AND KH-EZ P SCREW ANCHORS PER ICC-ES ESR-3056
-)ANCHORAGE TO HOLLOW / MULTI-WYTHE MASONRY

- 720 SAFE SET SYSTEM WITH HIJT HOLLOW DRILL BIT AND VACUUM PER ICC-ES ERR-4143. RELEMENT ISHALL BEE HIJT HAS CONTINUOUSLY THERADED RODO OR CONTINUOUSLY DEFORMED STEEL REBAR RATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS

ISED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY HITT OR OTHER SUCH METHOD AS APPROVED IN WARRING BY THE CONTRACTOR SHALL PROVIDE ON LONG THE APPROVED IN WARRING BY THE ERRORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS THAT HAVE BEEN SEALED BY ANOTHER LICENSED SHANING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF MEETING THE PERFORMANCE OF THE SPECIFIED PRODUCT. BE SHALL PROVIDE COMPUNION THE PERFORMANCE OF THE METHOD PRODUCT. BEEN SHANING THAT THE RELEVANT BUILDING CODE FOR SEISMIC MICE. MISTILLATION CATEGORY, AND ANALABILITY OF COMPREHENSIVE MISTILLATION MISTIRCTONS. AMERINE ANCHOR SO CONSIDER CREEK, IN-SPECIFIC TEMPERATURE, INSTILLATION TEMPERATURE, MOSTURE CONTROL OF THE PERFORMANCE.

- JUSE OF DIAMOND CORE BIT WITH ROUGHENING TOOL FOR ANCHOR HOLES REQUIRES APPROVAL FROM ENGINEER OF RECORD PRIOR TO DRILLING. UNLESS OTHERWISE SHOWN IN THE DRAWINGS, ALL HOLES SHALL BE DRILLED PERPENDICULAR TO THE CONCRETE SURFACE.
-)INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.
- ANCHORS MUST BE INSTALLED USING THE HILTI HIT-SZ PISTON PLUG SYSTEM.
- ANCHOR INSTALLER CERTIFICATION IS REQUIRED FOR ALL INSTALLERS OF ADHESIVE ANCHORS IN HORIZONTAL OR UPWARDLY INCLINED PROFESIONAL THE HILTI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROCEAM (HAAMED) SHALL BE CONSIDERED AN ACCEPTABLE TRAINING FOR CEDIFICATION FOR ALTERNATE TRAINING FORECEDURES. THE CONTRACTOR SHALL SUBMIT THE TRAINING CONTENT AND TRAINER QUALIFICATION THE STRUCTURAL ENGINEER OF RECORD FOR APPROVAL PRIOR TO COMMENCEMENT WITH THE ADHESIVE ANCHOR INSTALLER TRAINING.
- THE CONTRACTOR SHAL PRODUCTS SPECIFIED. 'ANCHORS ARE TRAINED L APRANCE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL ANCHOR THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL PERSONNEL WHO INSTALL PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION.
- DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
- 3 BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVERWITHE EXISTING STRUCTURAL DRAWNISS AND SHALL UNDERTAKE TO 10F THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS BY HILTI PS 1000 OR OTHER GPR, X-RAY, APPROVED MEANS.
- DWG NO REV. SCALE: