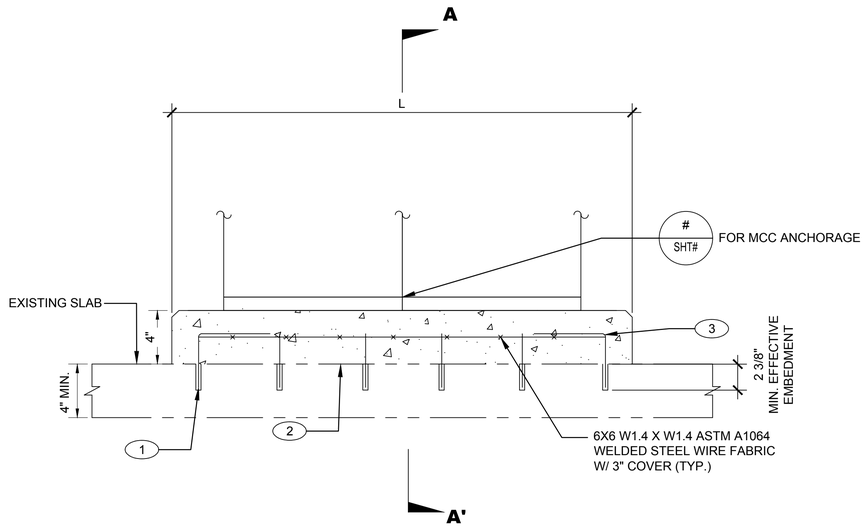
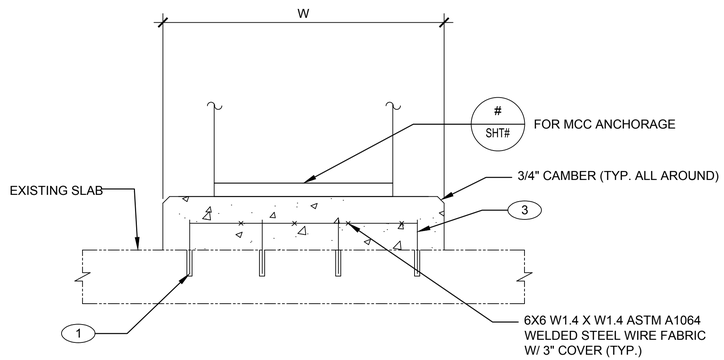


PAD TO SLAB ANCHORAGE DETAILS

4" 0 6" 1'

1 1/2"=1'-0"



SECTION A-A'

4" 0 6" 1'

1 1/2"=1'-0"

KEYED NOTES:

1. SEE TABLE B FOR NUMBER OF ANCHORS REQUIRED AROUND PERIMETER. PLACE CORNER ANCHORS WITH SPECIFIED 4" COVER, THEN EQUALLY SPACE REMAINING ANCHORS ALONG SIDES (APPROXIMATELY 8" O.C.).
2. ROUGHEN AND CLEAN TO FULL AMPLITUDE OF APPROXIMATELY 1/4". COAT WITH BONDING AGENT PRIOR TO PLACING NEW CONCRETE (TYP.)
3. #4 REBAR HILTI HIT-RE 500-V3 ADHESIVE ANCHOR ASTM A615 GR. 60, W/ 3" COVER FROM EACH EDGE AND MIN. 2 3/8" EMBEDMENT IN EXISTING FLOOR. BEND AND TIE TO WIRE MESH WITH 6" HOOK. (TYP.)

GENERAL NOTES:

A. IF THIS SHEET IS NOT 24"X36" USE GRAPHIC SCALE ACCORDINGLY.

B. ADHESIVE ANCHORS:
- PROVIDE #4 REBAR HILTI HIT-RE 500 V3 ADHESIVE ANCHORS 2-3/8" MINIMUM EFFECTIVE EMBEDMENT. INSTALL ANCHORS PER MPII AND ICC-ESR-3814.
- ESTABLISH THE EXISTING REBAR PATTERN W/ GPR AROUND CONCRETE ANCHORS TO PROVIDE A MINIMUM OF 1-1/2" CLEAR TO AVOID CONFLICT WITH EXISTING REINFORCING WHEN INSTALLING POST INSTALLED ANCHORS.

C. MINIMUM ANCHOR LAYOUT:
- MINIMUM SPACING = 6".
- MINIMUM CONCRETE EDGE DISTANCE = 8".

D. MINIMUM CONCRETE PROPERTIES FOR ANCHORAGE OF PAD TO SLAB:
- CONCRETE TO BE NORMAL WEIGHT.
- CONCRETE COMPRESSIVE STRENGTH F'C = 2500 PSI.
- MINIMUM SLAB THICKNESS = 4".

E. ALL SPECIAL INSPECTIONS FOR ANCHORS SHALL BE COMPLETED PER THE STATEMENT OF SPECIAL INSPECTIONS.

TABLE B: HOUSEKEEPING PAD TO EXISTING SLAB ANCHORAGE

NUMBER OF MCC UNITS	1	2	3	4	5	6	7	8	9	10	11	12
MIN. PAD LENGTH, L	3'-0"	4'-8"	6'-4"	8'-0"	9'-8"	11'-4"	13'-0"	14'-2"	15'-10"	17'-6"	19'-2"	20'-10"
MIN. PAD WIDTH, W	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"
MIN. # OF REBAR ANCHORS (PER LONG SIDE) FOR ANCHORAGE OF PAD TO SLAB	3	5	6	8	10	11	13	15	16	18	20	21
MIN. # OF REBAR ANCHORS (PER SHORT SIDE) FOR ANCHORAGE OF PAD TO SLAB	3	3	3	3	3	3	3	3	3	3	3	3

NOTES FOR EOR:
(DO NOT INCLUDE ON CONSTRUCTION DRAWING)

1. EDIT TO BE PROJECT SPECIFIC.
2. COMPLY WITH CURRENT EDITION OF LANL CAD STANDARDS MANUAL.
3. ASSIGN AN APPROPRIATE SHEET & DRAWING NUMBER PER THE CURRENT LANL CAD STANDARDS MANUAL.
4. ADHESIVE ANCHORS PER LANL MASTER SPEC FOR NORMAL CONFIDENCE POST-INSTALLED ANCHORS.
5. ADHESIVE ANCHORS SHALL BE INSTALLED IN COMPLIANCE WITH THE MPII AND ICC-ESR 3814.

NO	DATE	CLASS REV	DC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
1	03/08/18	UNCLASS		UPDATED CALCS & DRAWINGS TO IBC 2015 & TO CAD STDS MANUAL REV 5. CHANGED SHEET # FROM S-5000.	BW	BW	GP	GP	TO

00% REVIEW
NOT FOR CONSTRUCTION

ENGINEERING STANDARDS

STRUCTURAL

MOTOR CONTROL CENTER ANCHORAGE
HOUSEKEEPING PAD TO EXISTING SLAB ANCHORAGE

TA-XX BLDG XXXX

DRAWN	S. THOMSON
DESIGN	S. THOMSON
CHECKED	S. KOTHARI
DATE	1/2/2013

SUBMITTED
DISCIPLINE POC: DOUGLAS VOLKMAN

APPROVED FOR RELEASE
STANDARDS MANAGER: TOBIN ORUCH

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SHEET 3
3 OF 3

D.C.: UNCLASSIFIED | REVIEWER: E.J.SEAWALT | DATE: 1/2/2013

PROJECT ID: CHAPTER 5
DRAWING NO: ST-D5020-3
REV: 1