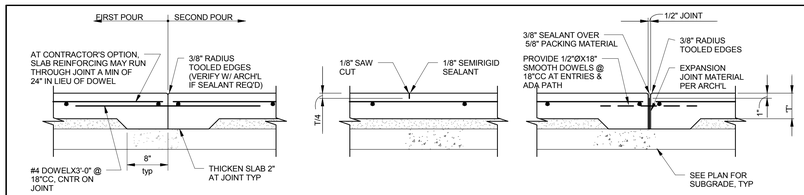
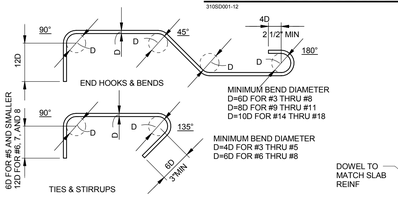


CONSTRUCTION JOINT (CJ) SLAB CONTROL JOINT (SJ) EXPANSION JOINT (EJ)

NOTE:
1. CONSTRUCTION JOINTS AND CONTROL JOINTS SHALL DIVIDE SLAB INTO AREAS NOT EXCEEDING 225 SQ FT WITHOUT REENTRANT CORNERS AND WITH LENGTH TO WIDTH RATIOS NOT EXCEEDING 1 1/2 TO 1. JOINT SPACING SHALL NOT EXCEED 15 FEET IN EITHER DIRECTION.
2. CONTRACTOR SHALL SUBMIT LAYOUT PLAN SHOWING PROPOSED CONTROL AND CONSTRUCTION JOINT LOCATIONS TO THE VA FOR REVIEW & APPROVAL.
3. SEMIRIGID SEALANT TO BE EUCLID EUCO #700 OR EQUAL.

SLAB ON GRADE JOINTS (1 / 10S1.2)

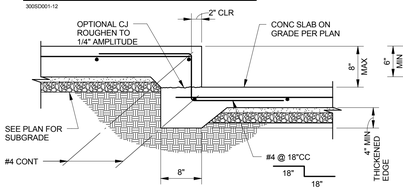
310SD001-12



NOTE: ALL HOOKS SHALL BE 90° OR 180° STANDARD HOOKS UNLESS OTHERWISE SHOWN OR NOTED.

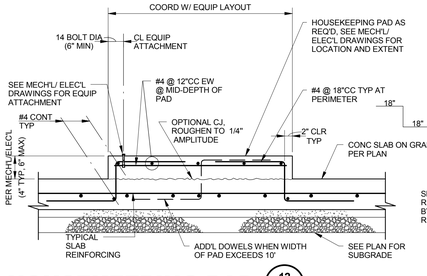
STANDARD REBAR HOOKS AND BENDS (6 / 10S1.2)

300SD001-12



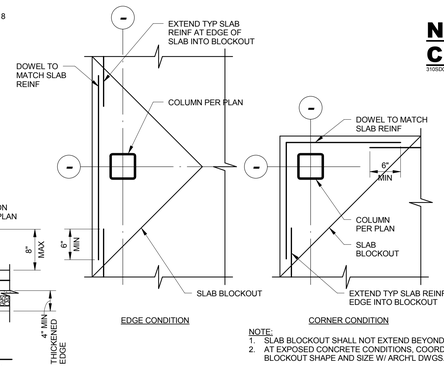
STEP IN SLAB (11 / 10S1.2)

310SD003-12



HOUSEKEEPING PAD AT SLAB ON GRADE (12 / 10S1.2)

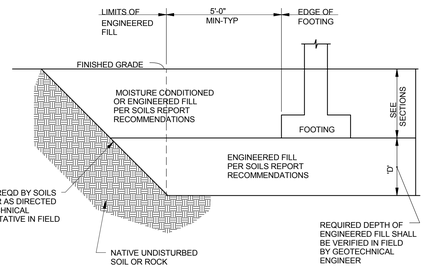
310SD005-16



NOTE:
1. SLAB BLOCKOUT SHALL NOT EXTEND BEYOND FOOTING.
2. AT EXPOSED CONCRETE CONDITIONS, COORDINATE BLOCKOUT SHAPE AND SIZE W/ ARCH'L DWGS.

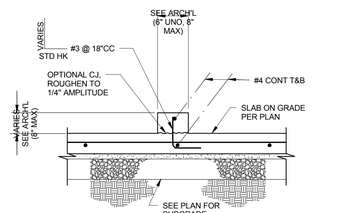
SLAB BLOCKOUT (7 / 10S1.2)

310SD002-12



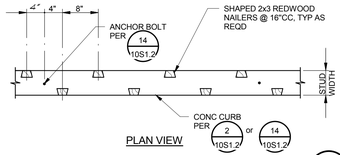
ENGINEERED FILL SECTION (13 / 10S1.2)

200SD001-32



CURB AT SLAB ON GRADE (2 / 10S1.2)

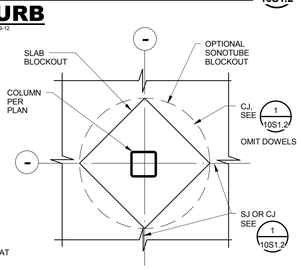
310SD006-12



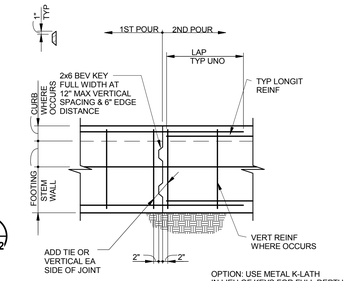
PLAN VIEW

NAILERS IN CONCRETE CURB (3 / 10S1.2)

310SD009-12



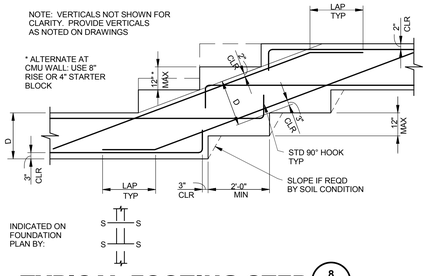
INTERIOR CONDITION



OPTION: USE METAL K-LATH IN LIEU OF KEYS FOR FULL DEPTH OF FOUNDATION AT UNEXPOSED FOUNDATIONS ONLY.

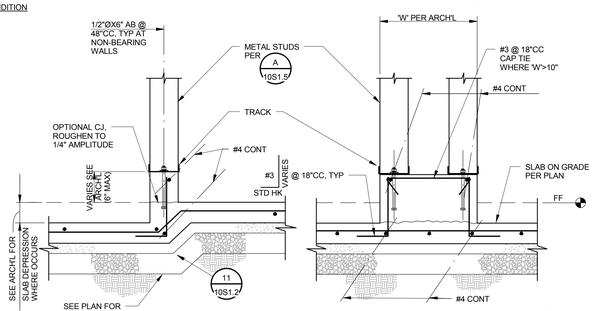
TYPICAL FOUNDATION CONSTRUCTION JOINT (4 / 10S1.2)

200SD012-24



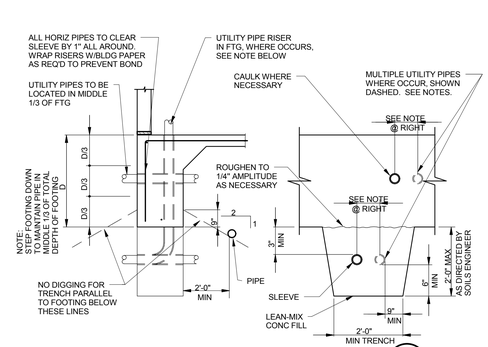
TYPICAL FOOTING STEP (8 / 10S1.2)

200 SD016-32



CURB AT SLAB DEPRESSION (14 / 10S1.2)

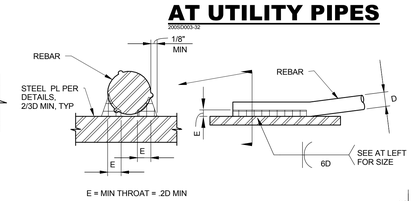
310SD007-12



NOTES:
1. REINFORCING SHALL NOT BE INTERRUPTED, CUT OR DISPLACED BY PLACEMENT OF UTILITY PIPE.
2. LEAN MIX CONCRETE FILL TO BE PLACED BEFORE FTG IS CAST (MONO-POUR FTG CONC OPTIONAL), MAKE SAME WIDTH AS FTG AND FULL WIDTH OF PIPE TRENCH.
3. STEP FTG IF PIPE OCCURS IN LOWER THIRD OF ORIGINAL FOOTING DEPTH.
4. NO PIPES SHALL BE PLACED BELOW SPREAD FTGS OR WITHIN 2 TO 1 BEARING ZONE AROUND SPREAD FOOTING.
5. IF PIPE IS IN PLACE PRIOR TO CASTING CONCRETE, WRAP PIPE W/ 1" STYROFOAM INSULATION IN LIEU OF SLEEVE.
6. UTILITY PIPES ARE NOT ALLOWED PARALLEL IN FOOTING.
7. MULTIPLE UTILITY PIPES (TWO OR MORE) MAY BE INSTALLED AS SHOWN ABOVE, PROVIDED THEY ARE SPACED A MINIMUM OF 4 PIPE/CONDUIT DIAMETERS ON CENTER WITH A MINIMUM OF 3" OF CONCRETE BETWEEN.
8. UTILITY PIPES RISERS MAY OCCUR IN CONTINUOUS WALL THE FOOTING WIDTH. MULTIPLE RISERS MAY OCCUR WIDTH/6) AND OCCUR W/IN THE MIDDLE 1/2 OF FOOTINGS PROVIDED THEY ARE NO LARGER THAN (FOOTING IF SPACED AS NOTED ABOVE.
9. UTILITY PIPES PERPENDICULAR TO FOOTINGS AND MORE THAN 2'-0" BELOW BOTTOM OF FOOTINGS DO NOT REQUIRE LEAN-MIX CONCRETE ENCASEMENT SUBJECT TO ACCEPTANCE OF THE SOILS ENGINEER.
10. CONDITIONS NOT CONFORMING TO THE PARAMETERS NOTED ABOVE SHALL BE REVIEWED ON A CASE-BY-CASE BASIS.

CONCRETE FOOTINGS AT UTILITY PIPES (5 / 10S1.2)

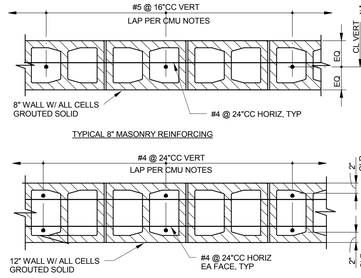
200SD003-32



NOTES:
1. REINFORCING TO BE WELDED, EXCEPT ASTM A706, SHALL CONFORM TO THE MATERIAL PROPERTY REQUIREMENTS OF ANSI/AWS D1.4, NEWEST EDITION.
2. ALL PREHEATING AND WELDING SHALL BE DONE IN ACCORDANCE WITH ANSI/AWS D1.4, NEWEST EDITION.
3. ALL WELDING SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED LABORATORY.

REBAR WELDING (9 / 10S1.2)

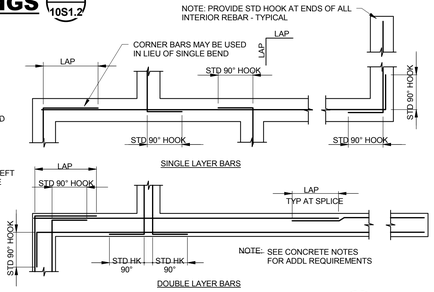
300SD002-32



NOTE:
PROVIDE DOWELS @ FOOTINGS TO MATCH VERTICAL BARS IN SIZE AND LOCATION - LAP SPLICE WITH VERTICAL BARS PER CMU NOTES.

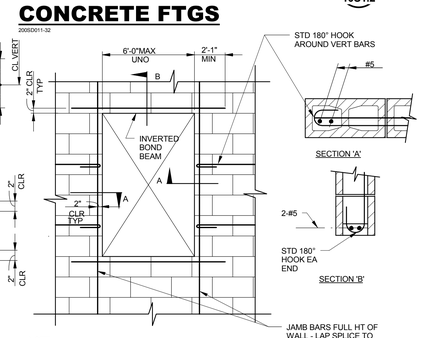
TYPICAL BLOCK WALL REINFORCING (15 / 10S1.2)

411SD003-12



CORNER REINFORCING AT CONCRETE FTGS (10 / 10S1.2)

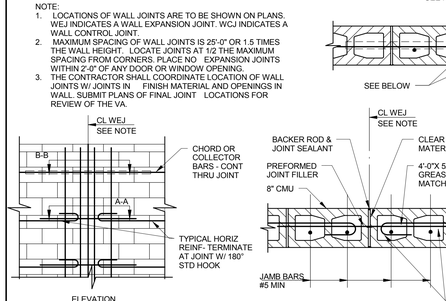
200SD011-32



NOTE:
PLACE 2-#5 CONT T&B OF OPENINGS -CONT 2'-1" MIN BEYOND OPENING

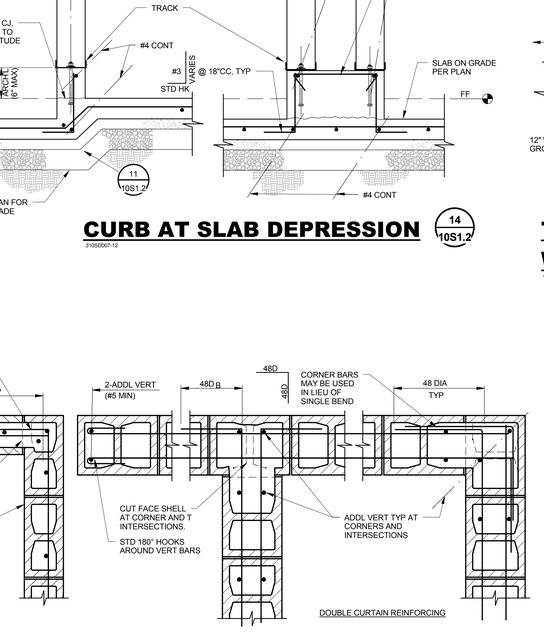
OPENING REINFORCING AT CMU WALL OPENING (16 / 10S1.2)

411SD001-12



TYPICAL BLOCK WALL EXPANSION JOINT (WEJ) (17 / 10S1.2)

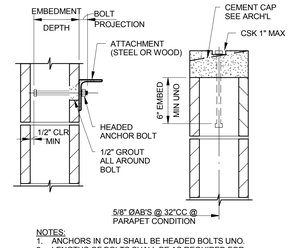
411SD004-12



NOTES:
1. CMU UNITS SHALL BE PLACED IN COMMON BOND U.N.O.
2. LAP ALL VERTICAL BARS WITH MATCHING DOWELS AT FOOTINGS.
3. SEE 18 10S1.2 FOR TYPICAL REINFORCING.

TYPICAL BLOCK WALL REINFORCING AT CORNERS AND INTERSECTIONS (18 / 10S1.2)

411SD007-12



NOTES:
1. ANCHORS IN CMU SHALL BE HEADED BOLTS UNO.
2. LENGTHS OF BOLTS SHALL BE AS REQUIRED FOR BOLT PROJECTION PLUS SPECIFIED EMBEDMENT DEPTH. WHERE EMBEDMENT IS NOT SPECIFIED, EMBED BOLT FOR 1/2" MIN CLR TO BLOCK FACE.
3. OVERSIZE STEEL HOLE 3/16" AND USE 2" SQUARE X 1/4" WELD WASHER IF REQUIRED FOR ERECTION.

TYP. ANCHOR BOLT IN CONC BLOCK (20 / 10S1.2)

411SD008-8

SCALE: 3/4"= 1'-0" | 1/2" = 1'-0" | 1/4" = 1'-0" | 1/8"=1'-0"

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Revisions:	Drawing Title: BUILDING 10 TYPICAL DETAILS		Project Title: RENOVATE/EXPAND RESEARCH LABS, B-10 & 11	Date: 03/24/11
Approved:	Approved: Medical Center Director	Drawn:	Building Number: BLDGS 10 & 11	Project No.: 501-319
Approved:	Approved: Chief, Engineering Service	Checked:	Location: ALBUQUERQUE, NEW MEXICO	DRAWING No. 10S1.2 Dwg. 45 Of 135

Department of Veterans Affairs