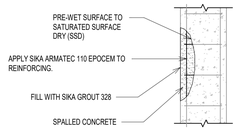
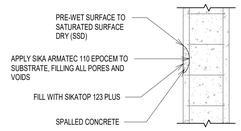


REPAIR NOTES:

1. AREAS TO BE REPAIRED MUST BE CLEAN, SOUND AND FREE OF CONTAMINANTS. ALL LOOSE AND DETERIORATED CONCRETE SHALL BE REMOVED BY MECHANICAL MEANS. CONCRETE MUST BE SOUND AND ROUGHENED TO PROMOTE MECHANICAL ADHESION.
2. WHERE REINFORCING STEEL WITH AN ACTIVE CORROSION IS ENCOUNTERED, SANDBLAST THE STEEL TO A WHITE METAL FINISH TO REMOVE ALL CONTAMINANTS AND RUST. WHERE CORROSION HAS OCCURRED DUE TO THE PRESENCE OF CHLORIDES, THE STEEL SHALL BE HIGH PRESSURE WASHED AFTER MECHANICAL CLEANING. PRIME WITH 2 COATS OF SIKA ARMATEC 110.
3. PLACE GROUT INTO FORMS IN NORMAL MANNER TO AVOID AIR ENTRAPMENT. WET CURE FOR MINIMUM OF 3 DAYS.
4. APPLY 2 COATS OF SIKAGARD 670W TO ARCHITECTURALLY EXPOSED COLUMNS, BEAMS, OR RAMP SURFACES EXPOSED TO VIEW.

NOTE: SIKA IS MANUFACTURER FOR DESIGN BASIS. EQUAL MANUFACTURER MAY BE SUBMITTED FOR APPROVAL.

13 LARGE CONCRETE REPAIR AT ENTRY RAMPS
3/4" = 1'-0"

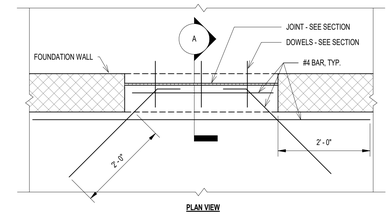


REPAIR NOTES:

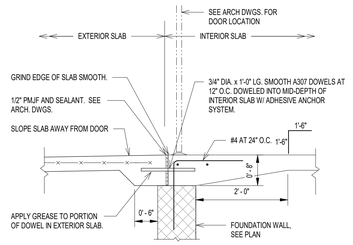
1. AREAS TO BE REPAIRED MUST BE CLEAN, SOUND AND FREE OF CONTAMINANTS. ALL LOOSE AND DETERIORATED CONCRETE SHALL BE REMOVED BY MECHANICAL MEANS. CONCRETE MUST BE SOUND AND ROUGHENED TO PROMOTE MECHANICAL ADHESION.
2. SUBSTRATE SHOULD BE SATURATED SURFACE DRY (SSD) WITH NO STANDING WATER DURING APPLICATION.
3. APPLY SIKA ARMATEC 110 EPOCEM TO PRIME THE SURFACE.
4. WHILE BONDING AGENT IS STILL WET APPLY SIKA TOP 123 PLUS.
5. FOR APPLICATIONS GREATER THAN 1 1/2" IN DEPTH, APPLY SIKA TOP 123 PLUS IN LIFTS. SCORE THE TOP SURFACE OF EACH LIFT TO PRODUCE ROUGHENED SURFACE FOR NEXT LIFT. ALLOW PRECEDING LIFT TO REACH FINAL SET.
6. APPLY 2 COATS OF SIKAGARD 670W TO ARCHITECTURALLY EXPOSED COLUMNS, BEAMS, OR RAMP SURFACES EXPOSED TO VIEW..

NOTE: SIKA IS MANUFACTURER FOR DESIGN BASIS. EQUAL MANUFACTURER MAY BE SUBMITTED FOR APPROVAL.

12 SMALL CONCRETE REPAIR AT ENTRY RAMPS
3/4" = 1'-0"

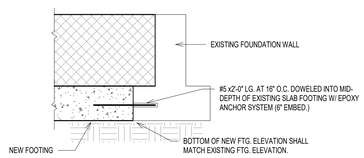


PLAN VIEW

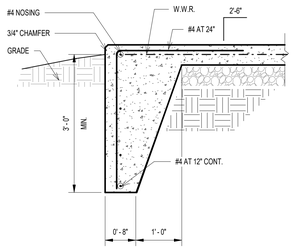


SECTION A

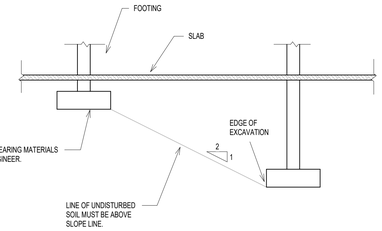
8 SOG AT EXTERIOR DOOR
3/4" = 1'-0"



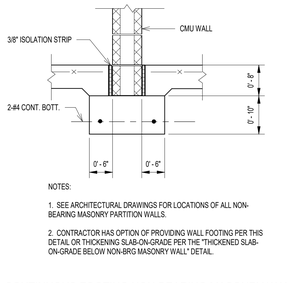
11 NEW FOUNDATION CONN. TO EXISTING FOUNDATION
1/2" = 1'-0"



10 DOWN-TURNED SLAB DETAIL
3/4" = 1'-0"



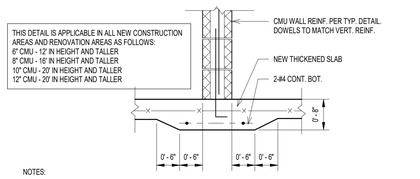
9 EXCAVATION PARALLEL TO FOOTINGS
1/2" = 1'-0"



NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL NON-BEARING MASONRY PARTITION WALLS.
2. CONTRACTOR HAS OPTION OF PROVIDING WALL FOOTING PER THIS DETAIL OR THICKENING SLAB-ON-GRADE PER THE "THICKENED SLAB-ON-GRADE BELOW NON-BRG MASONRY WALL" DETAIL.

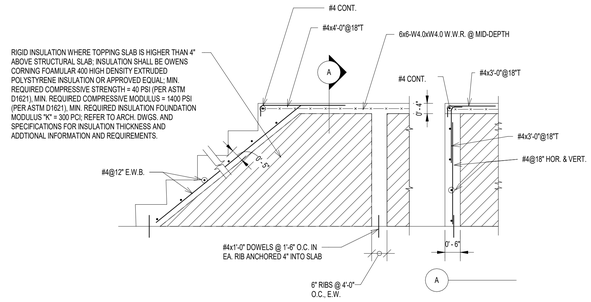
7 CONTINUOUS FOOTING NON-BEARING MASONRY WALL
3/4" = 1'-0"



NOTES:

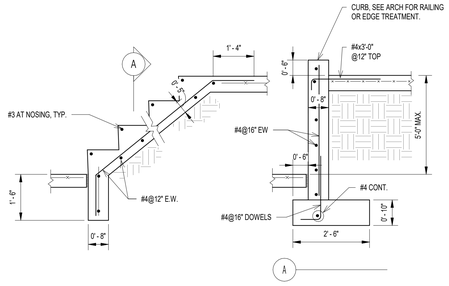
1. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL NON-BEARING MASONRY PARTITION WALLS.
2. CONTRACTOR HAS OPTION OF THICKENING SLAB-ON-GRADE PER THIS DETAIL OR PROVIDING WALL FOOTING PER THE "NON-BEARING MASONRY WALL FOOTING" DETAIL.

6 THICKENED SLAB ON GRADE BELOW NON-BEARING MASONRY WALL
3/4" = 1'-0"



SEE ARCH. DWGS. FOR STAIR DIMENSIONS, DETAILS AND ADDITIONAL INFO.

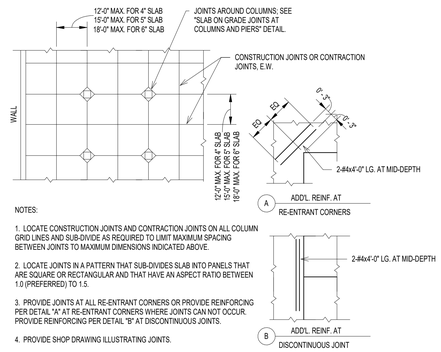
5 STAIR ON FOAM FILL
1/2" = 1'-0"



NOTES:

1. SEE ARCHITECTURAL DRAWGS FOR STAIR DIMENSIONS, RISE, RUN RAKE, HANDRAIL AND NOSING DETAILS.

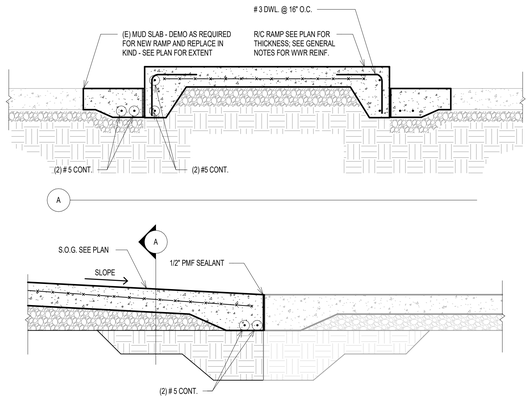
4 STAIR ON GRADE
1/2" = 1'-0"



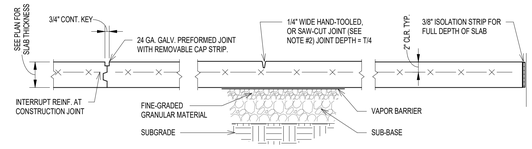
NOTES:

1. LOCATE CONSTRUCTION JOINTS AND CONTRACTION JOINTS ON ALL COLUMN GRID LINES AND SUB-DIVIDE AS REQUIRED TO LIMIT MAXIMUM SPACING BETWEEN JOINTS TO MAXIMUM DIMENSIONS INDICATED ABOVE.
2. LOCATE JOINTS IN A PATTERN THAT SUB-DIVIDES SLAB INTO PANELS THAT ARE SQUARE OR RECTANGULAR AND THAT HAVE AN ASPECT RATIO BETWEEN 1.0 (PREFERRED) TO 1.5.
3. PROVIDE JOINTS AT ALL RE-ENTRANT CORNERS OR PROVIDE REINFORCING PER DETAIL "A" AT RE-ENTRANT CORNERS WHERE JOINTS CAN NOT OCCUR. PROVIDE REINFORCING PER DETAIL "B" AT DISCONTINUOUS JOINTS.
4. PROVIDE SHOP DRAWING ILLUSTRATING JOINTS.

3 SLAB ON GRADE JOINT ARRANGEMENT
1/2" = 1'-0"



2 REINFORCED CONCRETE RAMP ON GRADE
1/2" = 1'-0"



NOTES:

1. CONTRACTION JOINTS SHALL BE INSTALLED EITHER BY HAND TOOLING, OR BY SAW-CUTTING USING A "SOFF-CUT" ULTRA EARLY ENTRY DRY-CUT SAW OR AN APPROVED EQUAL; JOINTS SHALL BE INSTALLED IMMEDIATELY WITHIN 12 HOURS OF POUR.
2. REFER TO SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR JOINT SEALANT REQUIREMENTS (IF ANY).
3. FLOOR SLABS SHALL BE SUPPORTED ON APPROVED FILL, RESIDUAL SOILS, AND/OR NEW STRUCTURAL FILL PLACED AND COMPACTED OVER APPROVED SUBGRADE SOILS. STRUCTURAL FILL SHOULD GENERALLY BE PLACED IN HORIZ. LIFTS NOT EXCEEDING EIGHT INCHES (8") IN LOOSE THICKNESS AND COMPACTED WITH A SHEEPSFOOT OR SMOOTH DRUM VIBRATORY ROLLER WITH A MIN. STATIC WEIGHT OF TEN (10) TONS. WHERE COMPACTION BY HAND-OPERATED EQUIP. IS NECESSARY, STRUCTURAL FILL SHOULD BE PLACED IN MAXIMUM HORIZONTAL LIFTS OF SIX INCHES (6") LOOSE THICKNESS. STRUCTURAL FILL MATERIAL SHOULD BE PLACED AT ITS OPTIMUM MOISTURE CONTENT (+/- 2%) AND COMPACTED TO 98 PERCENT OF MAXIMUM DRY DENSITY AS PER ASTM STANDARD D698.
4. FINE-GRADED GRANULAR MATERIAL SHALL BE SIX INCHES (6") OF CLEAN, COURSE-GRADED AGGREGATE (SUCH AS PA DOT 2B OR OTHER APPROVED MATERIALS) PLACED AND COMPACTED BENEATH ALL FLOOR SLAB AREAS. REFER TO SPECIFICATIONS AND TO GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS FOR SUBGRADE PREPARATION REQUIREMENTS.

1 SLAB ON GRADE CONSTRUCTION
1" = 1'-0"

WZG STRUCTURAL
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ZIEGLERVILLE, PA 19492
Phone: 610.831.0656
www.wzgstructural.com

No. Description Date

NATALIE E. BIRD, PE
PROFESSIONAL ENGINEER
PA. REG# PE076743

AEM ARCHITECTS, INC.
3700 PERKIOMEN AVENUE, READING, PA 19606-2795
Phone: 610.779.3220 Fax: 610.779.9022
www.aem-arch.com

TYPICAL DETAILS
RENOVATIONS TO THE
REAMSTOWN ELEMENTARY SCHOOL
COCALICO SCHOOL DISTRICT
SOUTH REAMSTOWN ROAD, EAST COCALICO TOWNSHIP, LANCASTER COUNTY, PA

All DIMENSIONS and EXISTING CONDITIONS shall be CHECKED and VERIFIED by the CONTRACTOR at the SITE.

JOB NO.: 22011.00
DRAWN BY: NB/RB
DATE: 04-14-2023

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