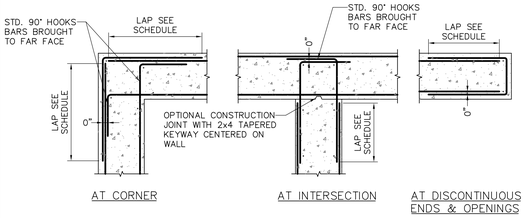
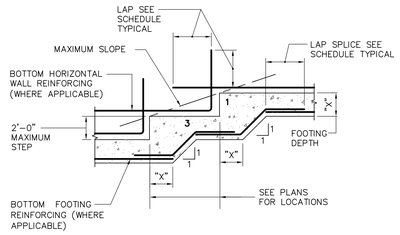



NOTES:

1. COORDINATE WITH SECTIONS AND DETAILS.
2. SIZE AND SPACING OF BARS TO MATCH HORIZONTAL WALL REINFORCING

## FOUNDATION WALL REINFORCING DETAILS

1 / S2.1

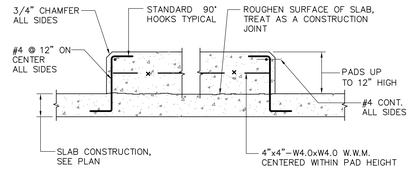



NOTE:

1. REFER TO PLANS, SECTIONS, AND OTHER DETAILS FOR WALL REINFORCING, DOWELS, ADDITIONAL FOOTING REINFORCING AND OTHER INFORMATION AND REQUIREMENTS.

## STEPPED FOOTING DETAIL

2 / S2.1

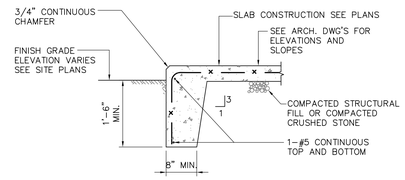



NOTE:

1. THE EXACT SIZE, NUMBER, HEIGHT, SHAPE AND LOCATIONS OF EQUIPMENT (HOUSEKEEPING) PADS SHALL BE DETERMINED BY THE GENERAL CONTRACTOR AFTER APPROVAL OF SHOP DRAWINGS FOR EQUIPMENT. ANCHOR BOLTS WHERE REQUIRED SHALL BE SIZED AND LOCATED ACCORDING TO THE EQUIPMENT MANUFACTURER'S REQUIREMENTS.
2. AT EXISTING SLABS #4 @ 12" ON-CENTER ALL SIDES SHALL BE DRILLED-IN AND ADHESIVE BONDED TO EXISTING SLAB.

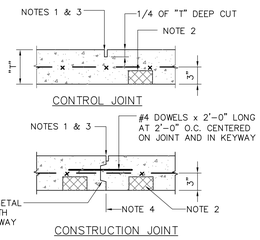
## CONCRETE EQUIPMENT PAD AND WIDE CURB DETAIL

3 / S2.1




## EDGE OF EXTERIOR SIDEWALK APRON AND PAD DETAIL

4 / S2.1

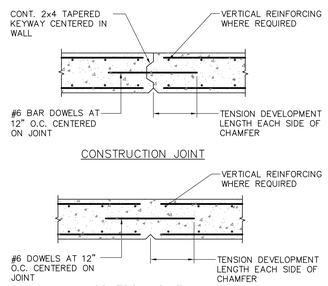



NOTES:

1. ALL SAW CUTTING SHALL TAKE PLACE WITHIN 8 HOURS AFTER THE CONCRETE IS CAST, BUT NOT BEFORE CONCRETE HAS CURED SUFFICIENTLY TO PREVENT RAVELING.
2. PROVIDE DENSE CONCRETE BRICKS FOR W.W.M. SUPPORT AT 3'-6" O.C. EACH DIRECTION THROUGHOUT ALL THE SLAB-ON-GRADE AREAS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR JOINT SEALANTS.
4. CONSTRUCTION JOINTS SHALL ALIGN WITH DEFINED SLAB CONTROL JOINT LOCATIONS.

## SLAB-ON-GRADE JOINT DETAILS

5 / S2.1

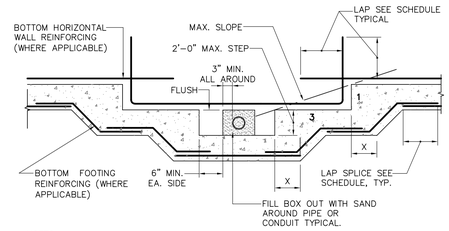



NOTES:

1. STOP HORIZONTAL WALL REINFORCING AT JOINT.
2. PROVIDE FULL HEIGHT 3/4" CHAMFER AT EXTERIOR FACE.
3. PROVIDE JOINTS 5 FEET MAXIMUM OFF ALL CORNERS AND AT 60 FEET MAXIMUM INTERMITTENT. ALIGN JOINTS WITH BRICK MASONRY WALL CONTROL JOINTS WHERE APPLICABLE.

## FOUNDATION WALL JOINT DETAILS

6 / S2.1

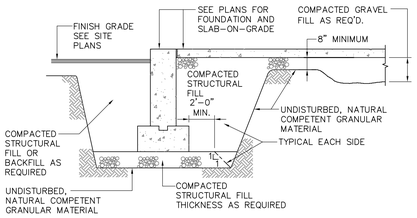



NOTES:

1. FOOTINGS SHALL BE STEPPED DOWN AS SHOWN AT ALL PIPES AND CONDUITS THAT WOULD PASS THROUGH OR UNDER THE FOOTINGS WHETHER THE PIPES, CONDUITS OR STEPS ARE SHOWN IN THE STRUCTURAL CONTRACT PLANS OR NOT. REFER TO ALL THE DRAWINGS IN THE SET FOR SIZES AND LOCATIONS OF ALL PIPES AND CONDUITS.
2. IF THE COVER BETWEEN THE BOTTOM OF FOOTING AND THE TOP OF THE PIPE OR CONDUIT IS GREATER THAN 4'-0", THEN THE FOOTING NEED NOT STEP DOWN AS SHOWN.
3. REFER TO PLANS, SECTIONS, AND OTHER DETAILS FOR WALL REINFORCING, DOWELS, ADDITIONAL FOOTING REINFORCING AND OTHER INFORMATION AND REQUIREMENTS.

## FOUNDATION WALL PIPE AND CONDUIT PENETRATION DETAIL

7 / S2.1

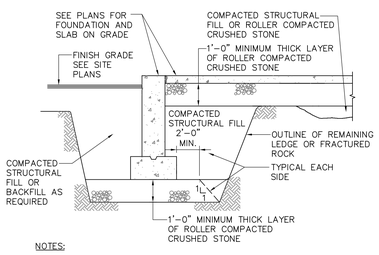



NOTES:

1. REFER TO THE GEOTECHNICAL REPORT AND THE EARTHWORK SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
2. DETAIL IS SIMILAR AT INDIVIDUAL COLUMN FOOTINGS.
3. WHEN GROUNDWATER (OR SURFACE WATER) INTRUDES INTO THE EXCAVATION, REPLACE THE COMPACTED STRUCTURAL FILL UNDER THE FOOTINGS AND SLABS WITH ROLLER COMPACTED CRUSHED STONE.

## FOOTING/SLAB ON COMPACTED FILL DETAIL

8 / S2.1

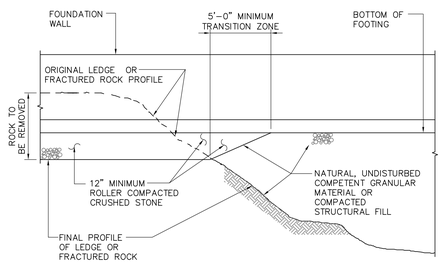



NOTES:

1. REFER TO THE GEOTECHNICAL REPORT AND THE EARTHWORK SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
2. DETAIL IS SIMILAR AT INDIVIDUAL COLUMN FOOTINGS.
3. DETAIL IS SIMILAR AT FOOTINGS/SLAB ON COMPACTED FILL WHEN GROUNDWATER (OR SURFACE WATER) INTRUDES INTO THE EXCAVATION.

## FOOTING/SLAB OVER ROCK DETAIL

9 / S2.1

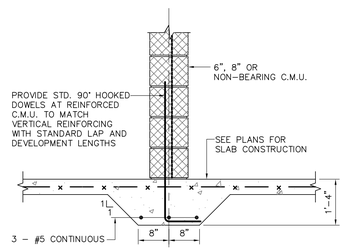



NOTES:

1. REFER TO THE GEOTECHNICAL REPORT AND THE EARTHWORK SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
2. REFER TO "FOOTING/SLAB ON COMPACTED FILL DETAIL" AND "FOOTING/SLAB OVER ROCK DETAIL" FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. DETAIL IS SIMILAR AT SLABS-ON-GRADE.

## TRANSITION ZONE AT FOOTING OVER ROCK/SOIL DETAIL

10 / S2.1

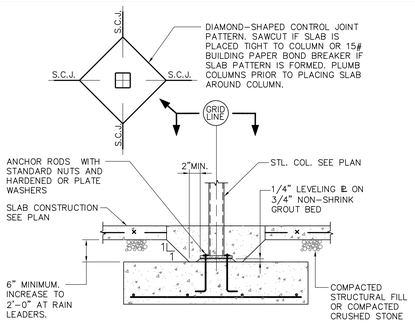



NOTE:

1. THIS DETAIL IS REQUIRED AT ALL 6", 8" AND 12" NON-BEARING CMU WALLS THAT ARE NOT SPECIFIED TO HAVE CONVENTIONAL FOOTINGS WHETHER THE WALLS ARE SHOWN ON THE STRUCTURAL CONTRACT DRAWINGS OR NOT. REFER TO THE ARCHITECTURAL DRAWINGS FOR WALL DIMENSIONS AND LOCATIONS.

## THICKENED SLAB-ON-GRADE DETAIL

11 / S2.1




NOTE:

1. SEE PLANS FOR MEMBER SIZES, REINFORCING, ELEVATIONS AND ADDITIONAL INFORMATION.

## INTERIOR COLUMN FOOTING DETAIL

12 / S2.1

| | | |
|---|---|---|
| Lynnfield Commons<br>Unknown Street<br>Lynnfield, Massachusetts | TYPICAL DETAILS | |
| Russell Scott Steedle & Capone Architects Inc.<br>19 Brattle Street Cambridge Massachusetts • 02138 • 617-661-5880 Fax 661-0613 | Date: 08/31/07<br>09/14/07 | 07152<br>S2.1 |
| DM Berg Consultants P.C. Structural Engineers<br>570 Hillside Ave. Needham Massachusetts • 02494 • 781-444-5156 Fax 444-5157 | Scale: NONE | |