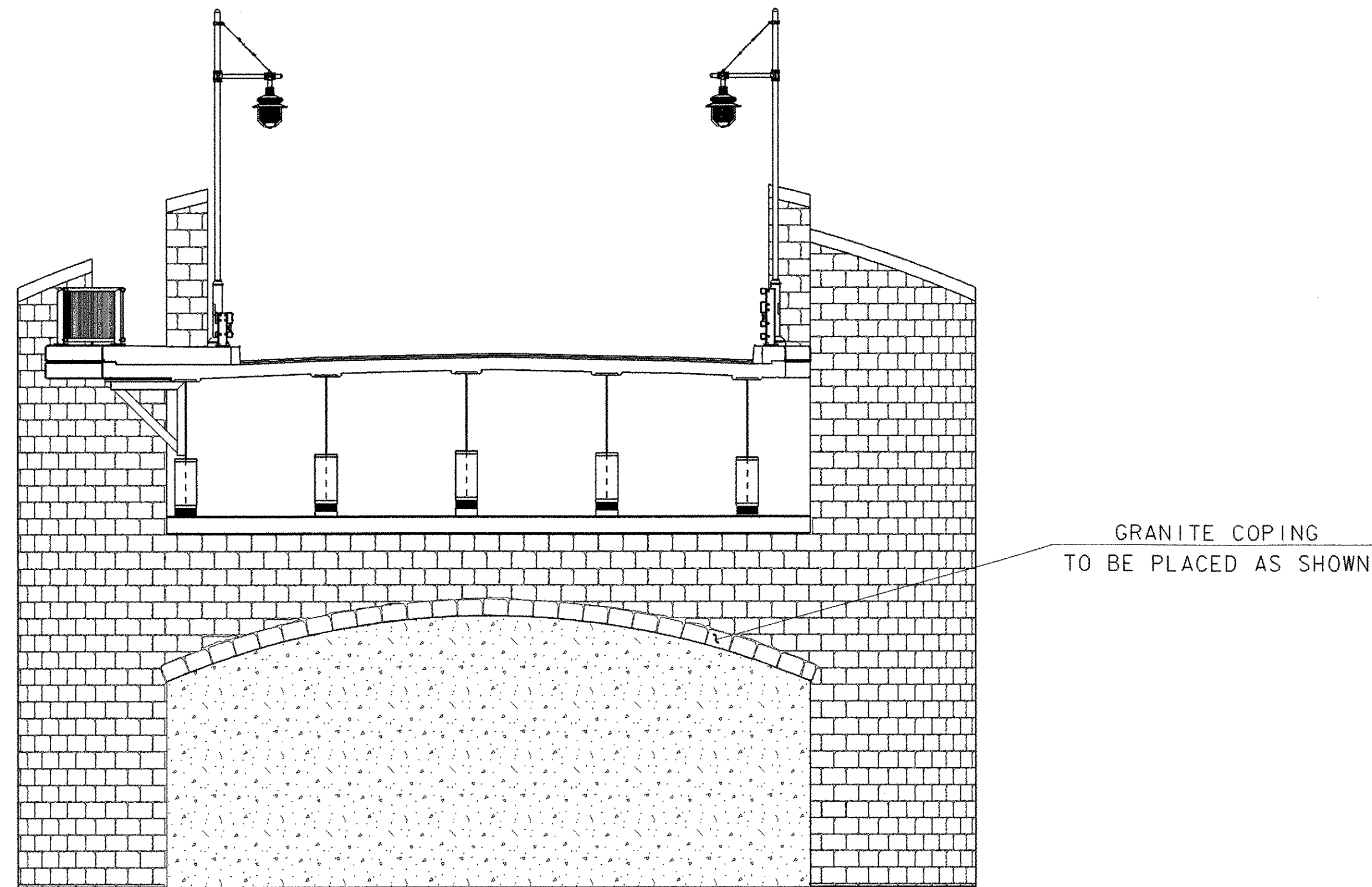
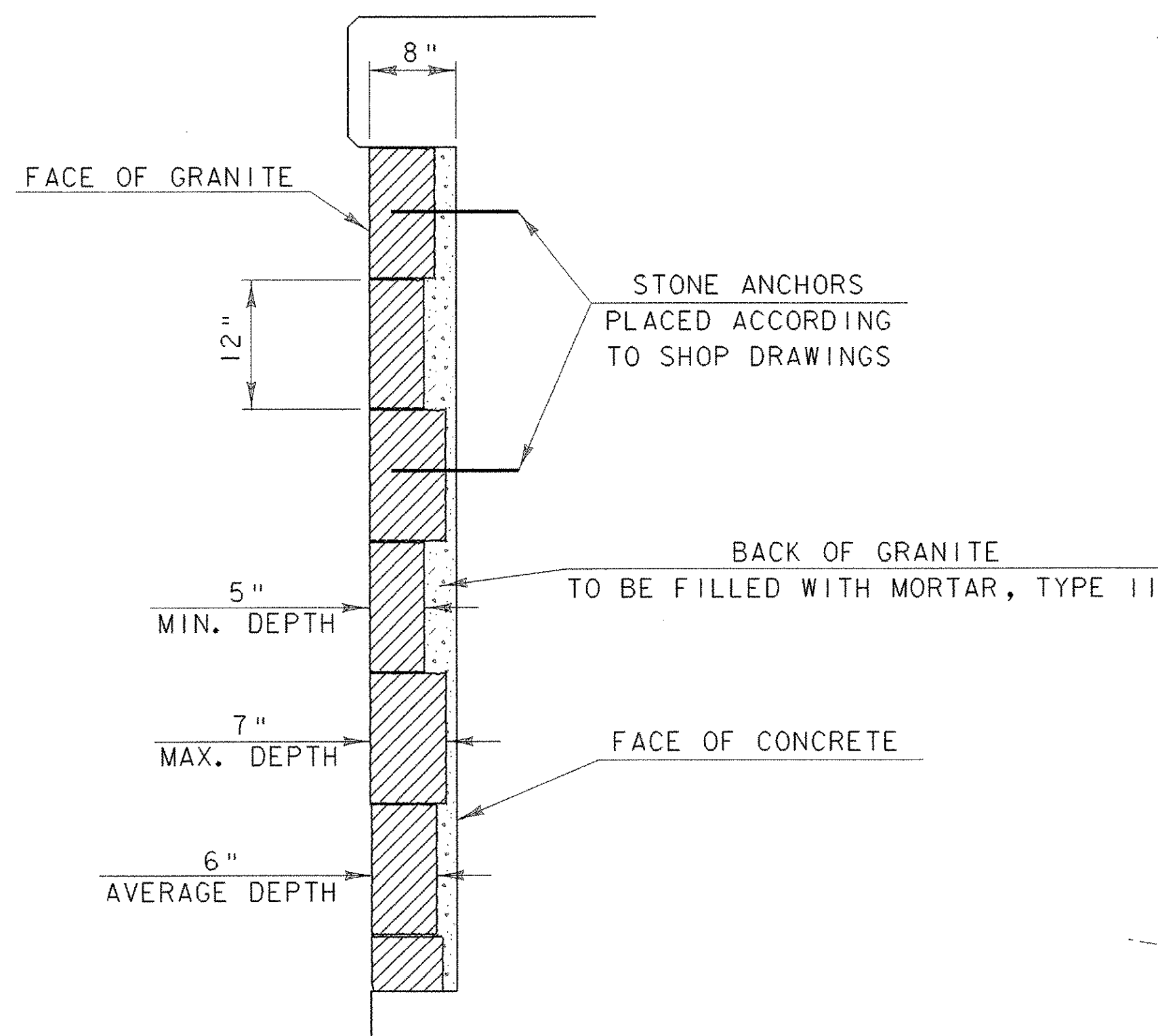


## GRANITE NOTES



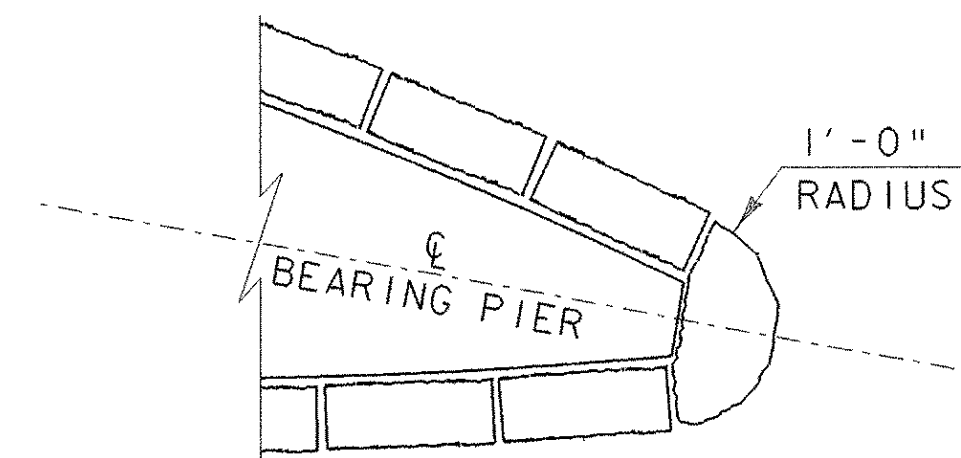
ELEVATION VIEW OF PIER

NTS



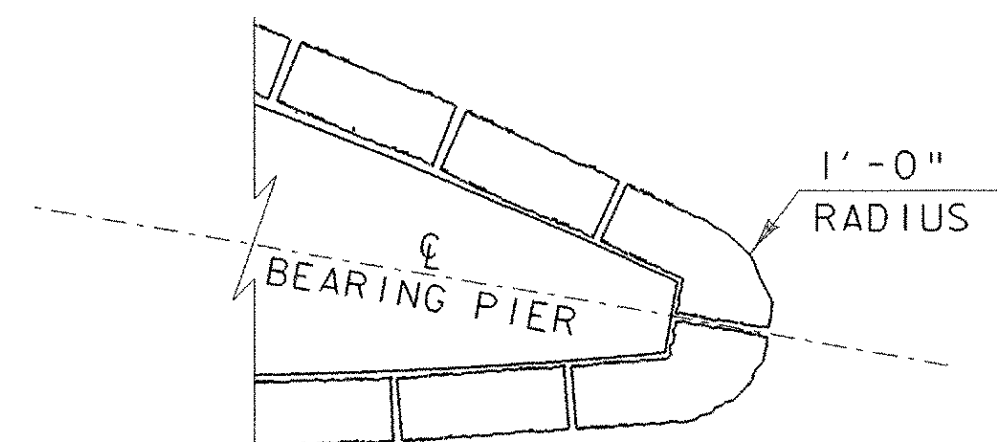
GRANITE FACING TYPICAL

NTS



PIER NOSE SECTION

NTS



PIER NOSE SECTION

ALTERNATE COURSE

NTS

1. GRANITE FACING SHALL BE PAID UNDER ITEM 602.25 "STONE MASONRY FACING." THE UNIT BID PRICE SHALL BE FULL COMPENSATION FOR ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY.
2. ALL EXPOSED FACES OF THE SUB-STRUCTURES AND TOWERS SHALL BE FACED WITH GRANITE BLOCK UNLESS NOTED OTHERWISE. THE GRANITE FACING SHALL EXTEND BELOW GROUND TO THE SHELF ELEVATION SHOWN ON THE PLANS.
3. LAYOUT DIMENSIONS SHOWN ON THE PLANS ARE TO THE OUTSIDE FACE OF THE GRANITE FACING OR TO THE FACE OF CONCRETE IF NO GRANITE FACING IS PRESENT. ADDITIONAL DIMENSIONS NEEDED BY THE CONTRACTOR WILL BE SUPPLIED UPON REQUEST.
4. ALL GRANITE SHALL BE GREY NATIVE VERMONT GRANITE AND BE IN ACCORDANCE WITH SUBSECTION 706.02 "STONE FOR MASONRY FACING". ALL GRANITE SHALL BE CONSISTENT IN COLOR AND TAKEN FROM THE SAME QUARRY. THE NAME OF THE QUARRY SHALL BE SUBMITTED TO THE RESIDENT ENGINEER.
5. THE STONE SHALL BE CLASSIFIED AS "SQUARED" (APPROXIMATE DIMENSIONS) WITH A "ROUGH FINISH" (SURFACES IN WHICH THE VARIATIONS FROM THE PITCH LINE DO NOT EXCEED  $\frac{1}{2}$ "). THE NOMINAL DIMENSIONS OF THE STONES WILL BE 12" VERTICAL, 18" HORIZONTAL AND 6" DEEP (5" MINIMUM AND 7" MAXIMUM). THE PATTERN SHALL BE "RANGED" WITH 12" COURSES OF UNIFORM HEIGHT.
6. THE JOINT MATERIAL SHALL CONFORM TO SPECIFICATIONS IN ITEM 707.02 "MORTAR, TYPE II". THE MAXIMUM JOINT THICKNESS SHALL BE 1". THE SPACE BETWEEN THE BACK FACE OF GRANITE AND THE FRONT FACE OF THE CONCRETE SHALL BE COMPLETELY FILLED WITH MORTAR, TYPE II
7. ANCHORS CONNECTING THE GRANITE TO THE CONCRETE SHALL BE PLACED ACCORDING TO SHOP DRAWINGS SUPPLIED FROM THE GENERAL CONTRACTOR OR THE SUBCONTRACTOR PERFORMING MASONRY WORK. TYPICAL GRANITE PLACEMENT AROUND CURVED SURFACES AND SHARP CORNERS SHALL ALSO BE SHOWN ON SHOP DRAWINGS. THE MASONRY CONTRACTOR SHALL BE ABLE TO DEMONSTRATE 3 YEARS OF PRIOR EXPERIENCE WITH SIMILAR MASONRY INSTALLATION. THE SHOP DRAWINGS DETAILING THE ANCHOR SYSTEM SHALL BE APPROVED BY THE PROJECT MANAGER PRIOR TO PLACING ANY CONCRETE THAT WILL BE FACED.
8. ALL ANCHORS, CRAMPS, DOWELS, AND OTHER ANCHORING DEVICES SHALL BE AUSTENITIC STAINLESS STEEL (ALLOY TYPE 304) OR OTHER APPROVED NONFERROUS METAL OF THE TYPES AND SIZES SHOWN ON APPROVED SHOP DRAWINGS. RELYING ON ADHESIVES ALONE FOR ANCHORING WILL NOT BE ALLOWED.
9. DUPLICATE SAMPLES OF GRANITE SHALL BE SUBMITTED TO THE RESIDENT ENGINEER THROUGH THE GENERAL CONTRACTOR TO SHOW TEXTURE, FINISH, AND ANTICIPATED RANGE OF COLOR TO BE SUPPLIED. ONE SET OF APPROVED SAMPLES SHALL BE RETAINED BY THE RESIDENT ENGINEER, THE OTHER BEING RETURNED TO THE GRANITE SUPPLIER FOR GUIDANCE.
10. ANY PIECE OF GRANITE SHOWING FLAWS, IMPERFECTIONS, OR UNUSUAL COLOR UPON RECEIPT ON THE PROJECT SHALL BE REFERRED TO THE RESIDENT ENGINEER FOR A DECISION AS TO WHETHER IT SHALL BE REJECTED, PATCHED, OR REDRESSED FOR USE. ANY STONE REJECTED BY THE RESIDENT ENGINEER SHALL BE REMOVED FROM THE PROJECT IMMEDIATELY OR MARKED WITH PAINT. THE RESIDENT WILL MAKE THE FINAL DETERMINATION ABOUT WHETHER A PARTICULAR BLOCK SHALL BE USED.
11. WHERE THICKNESS PERMITS, ALL PIECES WEIGHING OVER 100 POUNDS MAY HAVE LEWIS HOLES FOR LIFTING IF DESIRED. LEWIS HOLES MAY EXTEND NO CLOSER THAN 2" FROM THE FINISHED FACE, AND WILL NOT BE PERMITTED ON EXPOSED SURFACES.
12. STONE SHALL BE CAREFULLY SET WITHOUT JARRING STONE ALREADY LAID AND SHALL BE HANDLED WITH A LEWIS OR OTHER SUITABLE DEVICE WHICH WILL NOT MAR THE STONE. ROLLING OR TURNING OF STONE ON MASONRY ALREADY IN PLACE WILL NOT BE PERMITTED.
13. STONE TO BE LAID IN CEMENT MORTAR SHALL BE THOROUGHLY CLEANED BEFORE BEING SET, AND THE BED TO RECEIVE IT SHALL BE WELL CLEANED. THE THICKNESS OF ALL JOINTS AND BEDS SHALL BE UNIFORM THROUGHOUT. SPALLS SHALL NOT BE USED AS PINNERS IN MORTAR BEDS OR JOINTS. WHEN ANY STONE IS DISTURBED OR MORTAR JOINT BROKEN, THE STONE SHALL BE TAKEN UP, AND AFTER ALL MORTAR HAS BEEN CLEANED FROM THE STONE, BED, AND JOINTS, IT SHALL BE RESET IN FRESH MORTAR.
14. ALL STONES SHALL BE WELL BEDDED WITH THE FACE JOINTS PROPERLY POINTED BEFORE THE MORTAR HAS SET, UNLESS OTHERWISE PERMITTED. WHEN PERMITTED, JOINTS TO BE POINTED AFTER MORTAR HAS SET, SHALL BE RAKED OUT TO A DEPTH OF 2". JOINTS SHALL BE MOISTENED AND FILLED WITH MORTAR WELL DRIVEN IN. ALL POINTING SHALL BE FINISHED WITH AN APPROVED POINTING TOOL TO FORM THE TYPE OF JOINT INDICATED ON THE PLANS OR ORDERED.
15. THE MASONRY SHALL BE KEPT WET DURING POINTING, AND IN HOT OR DRY WEATHER SHALL BE PROTECTED FROM THE SUN AND KEPT WET FOR A PERIOD OF 3 DAYS AFTER COMPLETION UNLESS OTHERWISE PERMITTED OR ORDERED. THE EXPOSED SURFACES OF THE STONES SHALL NOT BE SMEARED WITH MORTAR. THE JOINTS SHALL BE WIPED FREE OF LOOSE MORTAR. STONE SHALL NOT BE SET WHEN CONTAINING FROST OR DURING FREEZING WEATHER.
16. GRANITE SHALL BE SHOP CLEANED AT THE TIME OF FINAL FABRICATION. AFTER INSTALLATION AND POINTING IS COMPLETED, THE CONTRACTOR SHALL CAREFULLY CLEAN THE GRANITE, REMOVING ALL DIRT, EXCESS MORTAR WELD SPLATTER, STAINS, AND/OR OTHER SITE INCIDENT DEFACEMENTS.

PROJECT NAME: ROYALTON  
PROJECT NUMBER: BRZ 1444 (22)

FILE NAME: 89J099/structures/sj099granite.dgn PLOT DATE: 25-SEP-2000  
PROJECT LEADER: C.P. WILLIAMS DRAWN BY: R.S. YOUNG  
DESIGNED BY: R.S. YOUNG CHECKED BY: W.B. SYMONDS  
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