GENERAL CONSTRUCTION NOTES:

1. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL DRAWINGS HAVE BEEN REVISED TO INDICATE "ISSUED FOR CONSTRUCTION." THE CONTRACTOR SHALL CONTACT NEXIUS, INC. TO ENSURE THAT THEY HAVE THE LATEST SET OF CONSTRUCTION DRAWINGS PRIOR TO COMMENCING ANY WORK WHATSOEVER.
2. ADA COMPLIANCE: THE FACILITY IS A NORMALLY UNOCCUPIED MOBILE RADIO FACILITY.
3. THESE PLANS ARE INTENDED TO BE USED TO DIRECT THE PROPOSED LAYOUT. DRAWINGS SHOULD NOT BE SCALED UNLESS OTHERWISE NOTED. PLANS, ELEVATIONS AND DETAILS ARE INTENDED TO SHOW THE END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES BEFORE STARTING ANY WORK.
5. THESE PLANS ARE DESIGNED TO REFLECT OBSERVED FIELD CONDITIONS. CERTAIN CONDITIONS ARE ASSUMED TO COMPLY WITH GENERAL STANDARD CONSTRUCTION DESIGN METHODS AND PRINCIPLES, AND THE CONTRACTOR SHALL NOTE THAT NOT ALL AREAS OF STRUCTURAL ATTACHMENT HAVE BEEN OPENED OR SPECIFICALLY VERIFIED. THE CONTRACTOR IS THEREFORE REQUESTED TO NOTIFY THE ENGINEER IMMEDIATELY SHOULD ENCOUNTERED FIELD CONDITIONS VARY FROM THOSE DEPICTED ON THE DRAWINGS. NEXIUS, INC. WILL ISSUE FIELD CHANGE DIRECTION IF REQUIRED.
6. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE NOTED BY THE ENGINEER OF RECORD.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK PERFORMED AND MATERIALS INSTALLED TO BE IN STRICT CONFORMANCE, AS A MINIMUM STANDARD, WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES HAVING JURISDICTION. ELECTRICAL SYSTEMS SHALL BE INSTALLED IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE, AND ALL OTHER LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES, AND WITH LOCAL UTILITY COMPANY SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
8. THE CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE AND DISPOSE OF ALL DIRT, STUMPS, STONES, RUBBISH OR DEBRIS IN ACCORDANCE WITH ALL LOCAL AND ENVIRONMENTAL LAWS. NO MATERIALS OR EQUIPMENT SHALL BE PLACED ANYWHERE ON OR IN THE STRUCTURE WITHOUT MAKING ADEQUATE PROVISIONS TO PROTECT EXISTING PROPERTY. UPON COMPLETION, REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DURING CONSTRUCTION. REPAIR ALL EXISTING WALL SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.
9. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES.

SITE WORK GENERAL NOTES:

1. THE CONTRACTOR SHALL CALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT LIMITED TO:
   A. FALL PROTECTION
   B. CONFINED SPACE
   C. ELECTRICAL SAFETY
   D. TRENCHING & EXCAVATION
3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWING.
4. THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.
5. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

SPECIFICATIONS FOR NON SHRINK GENERAL PURPOSE GROUT:

1. ALL NON-SHRINK GENERAL-PURPOSE GROUT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
2. THE NON-SHRINK GENERAL-PURPOSE GROUT SHALL BE MECHANICALLY MIXED FOR A MINIMUM OF TEN MINUTES.
3. MIX NO MORE GROUT THEN CAN BE PLACED IN 10 TO 15 MINUTES.
4. SURFACES TO RECEIVE THE GROUT SHALL BE FREE OF ANY TYPE OF FOREIGN MATERIAL AND BOND INHIBITING MATERIALS. BE SURE REPAIR AREA IS NOT LESS THAN 1/8" IN DEPTH.
5. THE SUBSTRATE SHALL BE SATURATED SURFACE DRY WITH NO STANDING WATER. MORTAR MUST BE SCRUBBED INTO SUBSTRATE FILLING ALL PORES AND VOIDS.
6. TYPICAL PROPERTIES OF THE GROUT SHALL BE AS FOLLOWS:
   COMPRESSIVE STRENGTH (ASTM C-109 MODIFIED)
   1 DAY: 3500 PSI MIN
   7 DAY: 6000 PSI MIN
   28 DAY: 7000 PSI MIN
   FLEXURAL STRENGTH (ASTM C-293) @ 28 DAYS: 2000 PSI
7. ALL STEEL BEARING PLATES AND MAIN SUPPORT STEEL SHALL BE INSTALLED ONCE THE GROUT HAS BEEN LEVELED AND HAS BEEN CURED FOR A MINIMUM OF 24 HOURS. THE FULL DESIGN EQUIPMENT LOAD SHALL BE INSTALLED AFTER THE GROUT HAS CURED FOR 48 HOURS.
8. SHOULD THE CONTRACTOR WISH TO PROPOSE AN ALTERNATIVE GROUT AND METHOD OF WORKING OUTSIDE THESE PARAMETERS, THIS MUST BE PRESENTED TO THE ENGINEER IN WRITING WITH A FULL METHOD STATEMENT, MATERIAL DATA SHEET AND INSTALLATION INSTRUCTIONS FOR HIS/HER APPROVAL.
9. FAILURE TO COMPLY WITH THIS SPECIFICATION COULD SERIOUSLY AFFECT THE STABILITY OF THE INSTALLATION.

CONSTRUCTION SPECIFICATIONS:

DIVISION 1 – GENERAL REQUIREMENTS SECTION 01010 SUMMARY OF WORK:

1. THE CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH SPECIFICATIONS CONTAINED IN THE BID PACKAGE PREPARED BY NEXIUS, INC. AND THE CLIENT. THE CONTRACTOR SHALL CONTACT NEXIUS, INC. TO ENSURE THAT THEY HAVE THE LATEST SET OF CONSTRUCTION DRAWINGS PRIOR TO COMMENCING ANY WORK WHATSOEVER.
2. IN THE EVENT OF A CONFLICT BETWEEN THE BID PACKAGE SPECIFICATIONS AND THESE NOTES, THE PROVISIONS OF THE CLIENTS' SPECIFICATIONS SHALL TAKE PRECEDENCE.

3. THE CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED WORK AND FULLY ACQUAINT THEMSELVES WITH THE CONDITIONS AS THEY EXIST IN ORDER THAT ANY RESTRICTIONS PERTAINING TO THE WORK ARE UNDERSTOOD. ALL AREAS AND DIMENSIONS ARE INDICATED ON THE DRAWINGS AS ACCURATELY AS POSSIBLE, BUT ALL CONDITIONS SHALL BE VERIFIED BY EACH CONTRACTOR AND/OR SUBCONTRACTOR AT THE SITE. THE FAILURE OF THE CONTRACTOR TO EXAMINE OR RECEIVE ANY FORM, INSTRUMENT OR DOCUMENT, OR TO VISIT THE SITE SHALL NOT RELIEVE THE CONTRACTOR FROM ANY OBLIGATION WITH RESPECT TO THEIR QUOTED PRICE. THE SUBMISSION OF A QUOTATION SHALL ACKNOWLEDGE THAT THE CONTRACTOR AND THEIR SUBCONTRACTORS HAVE FULLY EXAMINED THE SITE AND KNOW THE EXISTING CONDITIONS AND HAVE MADE PROVISIONS FOR OPERATING UNDER THE CONDITIONS AS THEY EXIST AT THE SITE AND HAVE INCLUDED ALL NECESSARY ITEMS.
4. THE GENERAL CONTRACTOR'S RESPONSIBILITIES SHALL INCLUDE, BUT NOT BE LIMITED TO, CONSTRUCTION OF THE EQUIPMENT FOUNDATION, INCLUDING ELECTRICAL SERVICE, TELEPHONE CONDUITS, GROUNDING SYSTEM AND COORDINATION WITH LOCAL UTILITY COMPANIES.
5. THE ANTENNA INSTALLERS RESPONSIBILITIES SHALL INCLUDE, BUT NOT BE LIMITED TO, CABLE TRAY INSTALLATION, ROUTING OF CABLES FROM RADIO EQUIPMENT TO ANTENNAS, ASSOCIATED HARDWARE FOR SECURING ANTENNA CABLES, ANTENNA MOUNTS, DETERMINING SUPPLIER OF ANTENNAS, GROUNDING OF ANTENNAS TO GROUNDING SYSTEM, INSTALLING ANTENNAS AND VERIFYING WITH RADIO FREQUENCY ENGINEERS, THE ALIGNMENT, LOCATION, AND PROPER ORIENTATION OF ANTENNAS.
6. THE CONTRACTORS SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE BUILDING LANDLORD IN ORDER TO AVOID CONFLICTS WITH CURRENT USE OF THE SITE.
7. THE OWNER MAY HAVE WORK PERFORMED UNDER SEPARATE CONTRACTS, CONCURRENTLY, WITH THE WORK OF THIS CONTRACT.
8. THE GENERAL CONTRACTOR SHALL PERMIT ACCESS TO THE PROJECT TO THESE CONTRACTORS TO PERFORM THEIR WORK.
9. THE CONTRACTOR SHALL CONFORM TO ALL APPLICABLE LOCAL, COUNTY, STATE, AND FEDERAL CODES, LAWS AND REQUIREMENTS, INCLUDING OSHA.
10. THE CONTRACTOR SHALL APPLY AND PAY FOR THE CONSTRUCTION PERMIT, CERTIFICATE OF OCCUPANCY AND ALL OTHER REQUIRED PERMITS OR LICENSES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL INSPECTIONS.
11. CARE SHALL BE EXERCISED IN PROTECTING THE BUILDING OCCUPANTS DURING THE DEMOLITION AND CONSTRUCTION PERIODS OF THIS PROJECT. EVERY EFFORT SHALL BE MADE TO MAINTAIN A CLEAN OPERATION. DEBRIS SHALL NOT ACCUMULATE. ALL DEBRIS WILL BE DEPOSITED IN A SUITABLE CONTAINER ON A DAILY BASIS AND SHALL BE EMPTIED ON A REGULAR SCHEDULE. THE LOCATION OF THE CONTAINER SHALL BE COORDINATED WITH THE BUILDING MANAGER.
12. SAFETY PROCEDURES: ATTENTION IS DIRECTED TO FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH STANDARDS. THE CONSTRUCTION COMPANY AWARDED THIS PROJECT SHALL ENSURE ALL WORKING SURROUNDINGS AND CONDITIONS ARE SANITARY, AND ARE NOT HAZARDOUS OR DANGEROUS TO THE HEALTH OR SAFETY OF THE WORK CREWS OR BUILDING OCCUPANTS. PRECAUTION SHALL BE EXERCISED AT ALL TIMES FOR THE PROTECTION OF PERSONS AND PROPERTY. IT IS MANDATORY THAT THE SAFETY PROVISIONS OF APPLICABLE LOCAL LAWS, OSHA REGULATIONS AND BUILDING AND CONSTRUCTION CODES, BE OBSERVED FOR ALL CONTRACTORS AND ANTENNA RIGGERS.

SECTION 01613 – DELIVERY, STORAGE AND HANDLING:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PROCEDURES AND SCHEDULING ASSOCIATED WITH HOISTING, STAGING, AND ERECTING OF MATERIALS AND EQUIPMENT TO AND/OR UPON THE SITE.
2. ALL ELEMENTS OF THE EXISTING SITE, I.E. STRUCTURES, SITE PLANTINGS, ETC. SHALL BE PROTECTED AS NECESSARY FROM SAID ACTIONS. THIS WORK MUST BE DONE IN A SAFE, SECURE NONDESTRUCTIVE MANNER FOR PROTECTING PERSONNEL AND PROPERTY.

DIVISION 4 – MASONRY

SECTION 04520 – MASONRY RESTORATION – TUCK POINTING:

1. GENERAL: THIS SECTION SPECIFIES REQUIREMENTS FOR THE CLEANING, RESTORATION OF MORTAR JOINTS, REPLACEMENT OF MASONRY, AND MASONRY REPAIR.
2. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THESE SPECIFICATIONS IN ADDITION TO:
   A. ASTM INTERNATIONAL:
      ASTM C91 STANDARD SPECIFICATION FOR MASONRY CEMENT.
      ASTM C144 STANDARD SPECIFICATION FOR AGGREGATE FOR MASONRY MORTAR.
      ASTM C150 STANDARD SPECIFICATION FOR PORTLAND CEMENT.
      ASTM C207 STANDARD SPECIFICATION FOR HYDRATED LIME FOR MASONRY PURPOSES.
      ASTM C270 STANDARD SPECIFICATION FOR MORTAR FOR UNIT MASONRY.
      ASTM C476 STANDARD SPECIFICATION FOR GROUT FOR MASONRY.
      ASTM C780 STANDARD TEST METHOD FOR PRE-CONSTRUCTION AND CONSTRUCTION EVALUATION OF MORTARS FOR PLAIN AND REINFORCED UNIT MASONRY.
      ASTM C979 STANDARD SPECIFICATION FOR PIGMENTS FOR INTEGRALLY COLORED CONCRETE.
      ASTM C1329 STANDARD SPECIFICATION FOR MORTAR CEMENT.
      ASTM C1384 STANDARD SPECIFICATION FOR ADMIXTURES FOR MASONRY MORTARS.
      ASTM E514 STANDARD TEST METHOD FOR WATER PENETRATION AND LEAKAGE THROUGH MASONRY.
   B. INTERNATIONAL MASONRY INDUSTRY ALL-WEATHER COUNCIL (IMIAC):
      RECOMMENDED PRACTICES AND GUIDE SPECIFICATION FOR COLD WEATHER MASONRY CONSTRUCTION.
      RECOMMENDED PRACTICES AND GUIDE SPECIFICATION FOR HOT WEATHER MASONRY CONSTRUCTION.
   C. NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA):
      NCMA TEK BULLETIN #8-2A REMOVAL OF STAINS FROM CONCRETE MASONRY.
      NCMA TEK BULLETIN #8-3A CONTROL AND REMOVAL OF EFFLORESCENCE.
3. MATERIAL DELIVERY, STORAGE AND HANDLING SHALL COMPLY WITH DIVISION 1:
   A. DELIVERY: DELIVER MATERIALS IN MANUFACTURER'S ORIGINAL, UNOPENED, UNDAMAGED CONTAINERS WITH IDENTIFICATION LABELS INTACT.
   B. STORAGE AND PROTECTION:
      STORE MATERIALS PROTECTED FROM EXPOSURE TO HARMFUL ENVIRONMENTAL CONDITIONS AND AT TEMPERATURE AND HUMIDITY CONDITIONS RECOMMENDED BY THE MANUFACTURER.
      STORE MATERIALS IN A DRY LOCATION, COVERED WITH A TARP OR OTHER SUITABLE COVERING.
4. THE CONTRACTOR SHALL INSTALL A MERCURY THERMOMETER AT THE SITE TO MONITOR EXTERNAL TEMPERATURES. THE THERMOMETER LOCATION SHOULD BE CONTINUALLY AND UNDER NO CIRCUMSTANCES SHOULD THE POSITIONING OF A MERCURY THERMOMETER BE AS SUCH TO ALLOW SUNLIGHT TO EVER STRIKE IT.
5. THE CONTRACTOR SHALL NOT PERFORM WORK WHEN THE AIR TEMPERATURE REACHES 40° F ON A FALLING THERMOMETER, EXCEPT WHEN THE CONTRACTOR CONFORM WITH THE IMIAC "RECOMMENDED PRACTICES AND GUIDE SPECIFICATION FOR COLD WEATHER MASONRY CONSTRUCTION" AS APPROVED BY THE ENGINEER.
6. THE CONTRACTOR SHALL PROTECT ALL MASONRY WORK AREAS FROM DIRECT SUNLIGHT WHEN THE AIR TEMPERATURE REACHES 99° F ON A RISING THERMOMETER WITH LESS THAN 50% RELATIVE HUMIDITY.
7. USE MORTAR WITHIN TWO HOURS AFTER MIXING AT TEMPERATURES ABOVE 50° F AND FOR 2-1/2 HOURS AT TEMPERATURES UNDER 50° F.
8. RE-TEMPER MORTAR TO MAINTAIN WORKABILITY.
9. THOROUGHLY MIX MORTAR INGREDIENTS IN QUANTITIES NEEDED FOR IMMEDIATE USE IN ACCORDANCE WITH ASTM C270 AND C780 TO PROVIDE UNIFORMITY OF MIX.
10. DO NOT USE ANTIFREEZE COMPOUNDS TO LOWER THE FREEZING POINT OF MORTAR UNLESS EXPRESSLY APPROVED BY THE ENGINEER IN WRITING.
11. IF WATER IS LOST BY EVAPORATION, RE-TEMPER ONLY WITHIN TWO HOURS OF MIXING.
12. PREPARATION:
   A. ESTABLISH LINES, LEVELS, AND COURSING. PROTECT FROM DISTURBANCE.
   B. WET CLAY MASONRY UNITS AND ALL ADJACENT EXISTING MASONRY PRIOR TO LAYING IF THE TEMPERATURE IS ABOVE 70° F TO REDUCE EXCESSIVE ABSORPTION OF MORTAR MOISTURE BY THE UNIT. DO NOT WET CONCRETE MASONRY UNITS.
13. COURSING:
   A. PLACE MASONRY TO LINES AND LEVELS INDICATED OR TO BLEND INTO THE EXISTING LINES AND LEVELS OF ADJACENT MASONRY.
   B. MAINTAIN MASONRY JOINTS TO UNIFORM WIDTH OF 3/8". MAKE VERTICAL AND HORIZONTAL JOINTS EQUAL, OF UNIFORM THICKNESS, TIGHTLY TUCKED.
   C. LAY CONCRETE MASONRY UNITS IN RUNNING BOND. COURSE ONE BLOCK UNIT AND ONE MORTAR JOINT TO EQUAL 8". FORM CONCAVE MORTAR JOINTS ON EXPOSED WORK AND FLUSH JOINTS ON WORK TO RECEIVE SUBSEQUENT WALL COATING.
   D. LAY CLAY BRICK AND CONCRETE BRICK IN A BOND PATTERN IN ACCORDANCE WITH THE DRAWINGS. IF THE DRAWINGS DO NOT STIPULATE A PARTICULAR BONDING PATTERN THE BOND PATTERN SHALL MATCH AND BE KEYED INTO THE EXISTING. ALL MORTAR JOINTS SHALL BY CONCAVE AND SHALL NOT PROTRUDE PAST THE EDGES OF MASONRY UNITS. BONDING PATTERN IS GENERIC. BRICK WORK SHOWN SHALL CONFORM TO EXISTING PATTERN AND SHALL HAVE FULL PENETRATION BONDING COURSES AT 24" MAX HORIZONTALLY AND VERTICALLY. THESE CAN EITHER BE THROUGH MASONRY BONDING OR REINFORCEMENT.
14. TOLERANCES:
   A. VARIATION FROM UNIT TO ADJACENT UNIT: 1/32" MAXIMUM UNLESS EXISTING CONDITIONS DO NOT PERMIT.
   B. VARIATION FROM PLANE OF WALL: 1/4" IN 10' AND 1/2" IN 20' OR MORE, UNLESS EXISTING CONDITIONS DO NOT PERMIT.
   C. VARIATION FROM LEVEL COURSING: 1/8" IN 3'; 1/4" IN 10'; 1/2" MAXIMUM UNLESS EXISTING CONDITIONS DO NOT PERMIT.
   D. VARIATION OF JOINT THICKNESS: 1/8" IN 3'.
   E. MAXIMUM VARIATION FROM CROSS SECTIONAL THICKNESS OF WALLS: PLUS OR MINUS 1/4".
15. DO NOT PERMIT MORTAR TO DROP OR ACCUMULATE INTO CAVITY AIR SPACE OR TO PLUG WEEP HOLES.
16. CLEANING:
   A. REMOVE EXCESS MORTAR AND SMEARS.
   B. REPLACE DEFECTIVE MORTAR. MATCH ADJACENT WORK.
   C. CLEAN SOILED SURFACES WITH A NON-ACIDIC SOLUTION WHICH WILL NOT HARM MASONRY OR ADJACENT MATERIALS. CONSULT MASONRY MANUFACTURER FOR ACCEPTABLE CLEANERS. LEAVE SURFACES THOROUGHLY CLEAN AND FREE OF ALL MORTAR AND OTHER SOILING.
   D. USE NON-METALLIC TOOLS IN CLEANING OPERATIONS.
   E. DURING WORK PROGRESS AND AT THE COMPLETION OF WORK, CLEAN WALL, SILL, LEDGE AND OTHER SURFACES WITH STIFF NYLON BRISTLE BRUSHES AND WATER TO LEAVE ALL SURFACES CLEAN AND FREE OF MORTAR DAUBS. DO NOT USE METAL SCRAPERS OR BRUSHES.
17. AREA OF MASONRY:
   A. DURING THE CONTRACTORS "BID-WALK" THE CONTRACTOR SHALL REVIEW ALL EXISTING MASONRY LOCATIONS WHICH ARE TO ACCOMMODATE ATTACHMENTS. THE CONTRACTOR SHALL EVALUATE THESE AREAS GIVING FULL CONSIDERATION TO HIS PROPOSED METHOD OF WORKING PROCEDURES TO EVALUATE WHETHER THE AREA IS SATISFACTORY, REQUIRES REPOINTING OR REQUIRES RE-BUILDING.
   B. REGARDLESS OF SECTION (A) ABOVE THE CONTRACTOR SHALL INCLUDE WITHIN HIS TENDERED BID PRICE TO REPOINT ALL MASONRY WITHIN 2'-6" FROM ANY PROPOSED BOLT ATTACHMENT INTO THE MASONRY AND FOR THE COMPLETE REBUILD OF MASONRY TO THE FULL DEPTH OF EXISTING CONSTRUCTION WITHIN 2'-6" OF ANY BEAM POCKET OR MASONRY ENCASED ATTACHMENT.
   C. ALL REBUILT MASONRY SHALL CONFORM WITH THE EXISTING MASONRY WITH REGARD TO COLOR, TEXTURE, AND BOND PATTERN.
   D. THE CONTRACTOR SHALL APPLY ULTRA-CLEAR PRO-SEAL WEATHER MASTER IN ACCORDANCE WITH THE MANUFACTURERS' INSTRUCTIONS.
      PRO-SEAL WEATHER MASTER SHALL BE APPLIED TO ALL SURFACES AFFECTED BY THE PROPOSED INSTALLATION WITHIN A RADIUS OF 2'-6" FROM ANY ATTACHMENT POINT. FOR ALL EPOXY ANCHORS ATTACHMENTS THE CONTRACTOR SHALL LOCATE THE ANCHORS, SET THE ANCHORS AND APPLY THE COATING PRIOR TO SETTING ANY ATTACHMENT STEEL AGAINST THE BRICKWORK SURFACE.
      PRO-SEAL WEATHER MASTER SHALL BE APPLIED TO ALL RE-BUILD SECTIONS OF BRICKWORK AND TO ALL FACES.
      PRO-SEAL WEATHER MASTER SHALL BE APPLIED TO THE TOP OF ALL BRICKWORK SURFACES PRIOR TO THE INSTALLATION OF ANY COPING
      THE CONTRACTOR SHALL PROVIDE PHOTOGRAPHIC EVIDENCE THAT PRO-SEAL WEATHER MASTER HAS BEEN APPLIED AT ALL REQUIRED LOCATIONS.
18. MASONRY UNITS SHALL CONFORM TO ASTM C62 AND SHALL HAVE A COMPRESSIVE STRENGTH NO LESS THAN 4500 PSI. MORTAR SHALL BE TYPE N, UNLESS OTHERWISE SPECIFICALLY NOTED ON WITHIN THE DRAWINGS, AND SHALL HAVE A COMPRESSIVE STRENGTH NO LESS THAN 1800 PSI.
19. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING AS TO THE EXTENT OF ANY LOOSE OR RECESSED MORTAR ENCOUNTERED DURING THE WORK WITHIN 2'-6" FROM THE ATTACHMENT POINT TO ENABLE THE ENGINEER TO INSPECT THE AREAS AND ADVISE REPAIR.
20. ALL AREAS OF BRICK REPAIR SHALL BE PHOTOGRAPHED BEFORE, DURING AND UPON COMPLETION OF CONSTRUCTION. THE CONTRACTOR SHALL LABEL AND DATE EACH PHOTOGRAPH AND SUBMIT TO THE OWNER AND ENGINEER AS PER THE SCHEDULE BELOW:
   A. BID WALK PHOTOGRAPHS OF ALL EQUIPMENT MASONRY ATTACHMENT LOCATIONS.
   B. AREAS OF BRICKWORK SHOWING THE DEPTH OF REMOVED MORTAR PRIOR TO REPOINTING.
   C. FINISHED AREAS OF REPOINTING.
   D. AREAS OF BRICKWORK PRIOR TO REMOVAL.
   E. AREAS OF BRICK FOLLOWING REMOVAL, CLEANING AND PREPARATION PRIOR TO RE-BUILDING. PHOTOGRAPHS SHOULD CLEARLY INDICATE THE EXISTING BONDING PATTERN AND DISPLAY HOW THE NEW MASONRY WILL "KEY" AND BOND INTO THE EXISTING TO MAINTAIN STRUCTURAL INTEGRITY.
21. AS A MINIMUM AND UNLESS SPECIFIED OTHERWISE, ALL BRICKWORK PENETRATIONS SHALL BE FACED WITH 4" MINIMUM THICKNESS OF MATCHING BRICKWORK, TIED TO EXISTING. AT LEAST ONE METAL TIE "Z" SHOULD BE USED FOR EACH 3 SQ. FT. OF WALL SURFACE. TIES IN ALTERNATE COURSES SHOULD BE STAGGERED. THE DISTANCE BETWEEN ADJACENT TIES SHOULD NOT EXCEED 24" VERTICALLY, NOT 24" HORIZONTALLY. TIES SHALL NOT BE LESS THAN 3/16" DIAMETER.
22. WATER SHALL BE CLEAN AND POTABLE.
23. DEFECTIVE JOINTS. "DEFECTIVE JOINTS" SHALL MEAN JOINTS WHICH HAVE ERODED 1/8" OR MORE, OR HAVE LOOSE, POWDERED OR BROKEN MORTAR. JOINTS WITH HAIRLINE CRACKS (1/64") THAT ARE OTHERWISE SOUND SHALL NOT BE CONSIDERED DEFECTIVE.
24. JOINT PREPARATION. DEFECTIVE MORTAR JOINTS SHALL BE RAKED USING A TUCK POINT RAKE WITH A WORKING TIP NO GREATER THAN 5/16" TO EXPOSE UNWEATHER MORTAR. THE MINIMUM DEPTH FOR REPOINTING SHALL BE 1/4". REVEALS WITH SQUARE BACKS. FURROWED OR SHALLOW JOINTS ARE PROHIBITED. BRUSH, VACUUM, AIR JET OR WATER STREAM JOINTS TO REMOVE ALL LOOSE DEBRIS.
25. DAMPEN SURFACES PRIOR TO TUCK POINTING. APPLY POINTING MORTAR BY MEANS OF A TROWEL NARROWER THAN THE MORTAR JOINTS TO BE FILLED. SPREAD MORTAR INTO JOINT IN LAYERS, FIRMLY PRESSING TO FORM A COMPLETELY FILLED FULLY PACKED JOINT WITHOUT VOIDS. JOINT TOOLING – WHEN MORTAR IS THUMBPRINT HARD, TOOL TO MATCH ORIGINAL APPEARANCE OF ADJACENT JOINTS. BRUSH EXCESS MORTAR FROM EDGE OF JOINT.

**ABBREVIATIONS**

| | |
|---|---|
| A.F.F. | ABOVE FINISHED FLOOR |
| A.G.L. | ABOVE GROUND LEVEL |
| A.M.S.L. | ABOVE MEAN SEA LEVEL |
| E.Q. | EQUAL |
| GALV. | GALVANIZED |
| MAX. | MAXIMUM |
| MIN. | MINIMUN |
| N.T.S. | NOT TO SCALE |
| O.C. | ON CENTER |
| SCH. | SCHEDULE |
| TYP. | TYPICAL |
| U/G | UNDERGROUND |
| U/P | UTILITY POLE |
| U.N.O. | UNLESS NOTED OTHERWISE |
| V.I.F. | VERIFY IN FIELD |


PREPARED BY:

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DRAWING SCALES ARE INTENDED FOR 24"x36" SIZE PRINTED MEDIA ONLY. ALL OTHER PRINTED SIZES ARE DEEMED "NOT TO SCALE".

SUBMITTALS

| REV | DATE | DESCRIPTION | BY |
|---|---|---|---|
| 0 | 03/01/17 | FOR REVIEW | JM |
| 1 | 03/13/17 | REVISED PER COMMENTS | JM |
| 2 | 04/07/17 | REVISED FOR CONSTRUCTION | JM |
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SITE INFO:

SITE NAME:
**PORTLAND_8_ME**

LOCATION CODE:
**380405**

SITE ADDRESS:
**44 BEDFORD STREET**
**PORTLAND, ME 04101**
**CUMBERLAND COUNTY**

SHEET TITLE:
**GENERAL NOTES**

NEXIUS PROJ. NO: **VZ11509**

CHECKED BY: KB

CHECKED BY DATE: 03/01/17

SHEET NUMBER: GN-1

STATE OF MAINE DEPARTMENT OF PROFESSIONAL & FINANCIAL REGULATION
Reviewed for Code Compliance
Inspection Division
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