REPAIR AND PREVENTIVE MAINTENANCE

OF THE

ELM AND HIGH STREET GARAGES

NASHUA, NEW HAMPSHIRE

SEPTEMBER 2010

OWNER: CITY OF NASHUA
11 RIVERSIDE STREET
NASHUA, NEW HAMPSHIRE 03062

ENGINEER: DESMAN ASSOCIATES
18 TREMONT STREET, SUITE 300
BOSTON, MASSACHUSETTS 02109
TEL.: (617) 778-9882

SCOPE OF WORK (SUMMARY)

ELM STREET GARAGE

1. CONCRETE TEE REPAIR
2. OVERHEAD TEE FLANGE REPAIR
3. BEAM SPALL REPAIR
4. VERTICAL CONCRETE REPAIR
5. NEW EXTERNAL TEE CONNECTORS
6. ROUT AND SEAL CRACKS
7. REMOVE AND REPLACE SEALANT AT PRECAST
8. REMOVE AND REPLACE VERTICAL SEALANT AT ROOF
9. NEW MEMBRANE AT INVERTED TEE BEAMS
10. NEW EXPANSION JOINT SEALS
11. REPLACE PRE-FORMED SEALS AT ROOF STAIR TOWERS
12. NEW PRE-FORMED SEALS AT ROOF PC CONNECTIONS
13. NEW FLOOR DRAINS
14. REPLACE DETERIORATED PIPING
15. CONCRETE REPAIR AT DAMAGED STAIR TREADS
16. REMOVE AND REPLACE SEALANT AT WINDOWS
17. WET GLAZE AT WINDOWS
18. RE-POINT BRICK MASONRY
19. REMOVE AND REPLACE BRICK MASONRY
20. REPLACE CAPSTONE
21. REMOVE AND REPLACE VERTICAL SEALANT
22. REMOVE AND REPLACE BED JOINT AT MASONRY WALL
23. REMOVE AND REPLACE MORTAR AT BUTT JOINT
24. MISCELLANEOUS FAÇADE REPAIRS
25. NEW TRAFFIC STRIPING

HIGH STREET GARAGE

1. FULL DEPTH CONCRETE REPAIR
2. PARTIAL DEPTH PRECAST REPAIR
3. OVERHEAD TEE FLANGE REPAIR
4. OVERHEAD TEE STEM REPAIR
5. POUR STRIP REPAIR
6. BEAM SPALL REPAIR
7. COLUMN/WALL SPALL REPAIR
8. NEW EXTERNAL TEE CONNECTORS
9. ROUT AND SEAL FLOOR CRACKS
10. EPOXY INJECT VERTICAL WALL CRACKS
11. REMOVE AND REPLACE SEALANT
12. REMOVE AND REPLACE COVE JOINT
13. NEW MEMBRANE AT INVERTED TEE BEAMS
14. REMOVE AND REPLACE DETERIORATED MEMBRANE AT ROOF
15. NEW EXPANSION JOINT SEALS
16. REPLACE PRE-FORMED SEALS
17. NEW FLOOR DRAINS
18. REPLACE DETERIORATED PIPING
19. CONCRETE REPAIR AT STAIR LANDING
20. NEW SKIM COAT AT FAÇADE
21. REMOVE AND REPLACE SEALANT AT WINDOWS
22. WET GLAZE AT WINDOWS
23. NEW TRAFFIC STRIPING

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GENERAL NOTES

THE FOLLOWING NOTES SHALL APPLY UNLESS NOTED OTHERWISE ON PLANS OR SPECIFICATIONS.

1. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE NEW HAMPSHIRE STATE BUILDING CODE (780 CMR) AS ADOPTED BY THE STATE BOARD OF BUILDING REGULATIONS AND STANDARDS AND ON FILE WITH THE OFFICE OF THE SECRETARY OF STATE.
2. CONTRACTOR IS INSTRUCTED TO NOT SCALE OFF CONSTRUCTION DRAWINGS.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS SHOWN ON THE CONSTRUCTION DRAWINGS WITH EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
4. CONTRACTOR SHALL REPORT IMMEDIATELY TO THE ENGINEER ANY DISCREPANCIES OR INCORRECT INFORMATION WITH RESPECT TO THE DRAWINGS BASED ON EXISTING CONDITIONS. AFTER REPORTING THESE DISCREPANCIES VERBALLY THE CONTRACTOR SHALL SUBMIT A WRITTEN REPORT (WITH DRAWINGS, AS REQUIRED) IMMEDIATELY FOR THE ENGINEER'S REVIEW.

   CONTRACTOR SHALL BE DIRECTED BY THE ENGINEER REGARDING THE ABOVE MATTER.
5. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY METHODS AND EQUIPMENT FOR PROTECTING THE BUILDING, EQUIPMENT, MATERIALS AND PERSONNEL FROM FIRE DAMAGE PRIOR TO STARTING WORK. METHODS AND EQUIPMENT ARE SUBJECT TO APPROVAL BY THE CITY OF NASHUA FIRE DEPARTMENT. FIRE PROTECTION AND PREVENTION DURING THE CONSTRUCTION PERIOD SHALL BE IN ACCORDANCE WITH ALL LAWS AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THE LATEST N.F.P.A. REGULATIONS, OSHA, THE STATE OF NEW HAMPSHIRE AND THE CITY OF NASHUA REGULATIONS AND ORDINANCES.
6. THE CONTRACTOR SHALL COMPLY WITH ALL SAFETY AND HEALTH LAWS AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THE PROVISIONS AND REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (AS AMENDED) OR THE CONSTRUCTION SAFETY ACT OF 1969 (AS AMENDED), WHICHEVER IS APPLICABLE. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL THE MOST RECENT APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND ORDERS OF ANY PUBLIC AUTHORITY HAVING JURISDICTION OVER THE PROJECT IN ORDER TO PROTECT PERSONS AND/OR PROPERTY FROM DAMAGE, INJURY OR LOSS.

   THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE SAFEGUARDS FOR SAFETY AND PROTECTION, INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS, PROMULGATING SAFETY REGULATIONS AND NOTIFYING THE OWNER, TENANTS, PATRONS AND USERS OF ADJACENT FACILITIES.
7. THE CONTRACTOR SHALL ALSO ASSURE THAT ALL HIS SUBCONTRACTORS CONFORM TO ALL HEALTH AND SAFETY LAWS AND REGULATIONS.
8. THE CONTRACTOR SHALL PROVIDE ALL BRACING, SHORING AND SHEETING REQUIRED FOR SAFETY AND PROPER EXECUTION OF THE WORK.

   THE CONTRACTOR SHALL NOT ATTEMPT TO BRING ANY SPECIALIZED VEHICLE OR EQUIPMENT INTO THE PARKING FACILITY WITHOUT PRIOR WRITTEN AUTHORIZATION FROM A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW HAMPSHIRE. ANY SPECIALIZED VEHICLE OR EQUIPMENT TO BE USED INSIDE THE PARKING FACILITY SHALL BE APPROVED BY THE ENGINEER.

   CONTRACTOR IS SOLELY RESPONSIBLE TO PREPARE SHOP DRAWINGS FOR ANY SPECIALIZED SHORING WHICH MAY BE REQUIRED AND/OR SPECIFIED IN THE CONSTRUCTION DOCUMENTS. SHORING MUST BE DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW HAMPSHIRE. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
9. WHEN PLANS AND SPECIFICATION INCLUDE INFORMATION PERTAINING TO SURFACE CONDITIONS, MATERIAL TESTING AND OTHER PRELIMINARY INVESTIGATIONS, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATIONS, CHARACTER, OR QUANTITY OF THE MATERIALS OR CONDITIONS ENCOUNTERED AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. THE OWNER/ENGINEER ASSUMES NO RESPONSIBILITY WHATSOEVER WITH RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION, AND THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE CONDITIONS INDICATED ARE REPRESENTATIVE OF THOSE EXISTING THROUGHOUT THE WORK, OR THAT UNANTICIPATED DEVELOPMENTS MAY NOT OCCUR AND/OR EXIST. SAID INFORMATION SHALL NOT BE CONTRACTED BY THE PARTIES INVOLVED AS A BASIS FOR THE CONTRACT AWARD AMOUNT.
10. ANY EXTRA WORK BEYOND THE SCHEDULED QUANTITIES REQUIRING EXTRA COST TO THE OWNER SHALL BE APPROVED BY THE OWNER PRIOR TO COMMENCING SAID WORK. CLAIMS FOR EXTRA WORK WHICH HAVE NOT BEEN AUTHORIZED IN WRITING BY THE OWNER AND APPROVED BY THE ENGINEER WILL BE REJECTED AND THE CONTRACTOR SHALL NOT BE ENTITLED TO PAYMENT.
11. THE PLANS MAY BE SUPPLEMENTED BY STANDARD AND WORKING DRAWINGS AS ARE NECESSARY TO ADEQUATELY DESCRIBE THE WORK. IN THE EVENT, IN THE SOLE JUDGMENT OF THE ENGINEER, A CHANGE BECOMES NECESSARY IN THE BEST INTEREST OF THE PROJECT, DUE TO CIRCUMSTANCES NOT KNOWN AT THE TIME THE ORIGINAL CONDITION SURVEY WAS PERFORMED AND/OR ARISING THEREAFTER, THE ENGINEER MAY ALTER THE PLANS, AS MAY BE NECESSARY, TO INCREASE OR DECREASE THE QUANTITIES OF WORK TO BE PERFORMED IN ACCORDANCE WITH SUCH CHANGES.
12. THE CONTRACTOR SHALL REVIEW ALL EXISTING CONDITIONS TO DETERMINE ALL SERVICES (ELECTRICAL AND MECHANICAL) WHICH MIGHT BE AFFECTED BY THE REPAIR WORK. HE SHALL MAKE NECESSARY TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SERVICES TO ALL AREAS OF THE PARKING GARAGE OR OTHER AREAS NOT IN THE CONTRACT AFFECTED BY THE WORK. UPON COMPLETION OF REPAIRS THE CONTRACTOR SHALL MAKE PERMANENT CONNECTIONS TO ALL SERVICES WHICH HAD BEEN TEMPORARILY MAINTAINED.
13. ALL EXISTING MATERIALS IN THE BUILDING WHICH MAY CAUSE ANY HEALTH AND/OR SAFETY HAZARD TO THE OWNER, HIS EMPLOYEES, TENANTS OR THE CONTRACTOR AND HIS EMPLOYEES, OR SUBCONTRACTORS DURING THE ENTIRE PERIOD OF CONSTRUCTION SHALL BE SAFELY REMOVED BY THE OWNER PRIOR TO THE START OF THE WORK AND PROPERLY DISPOSED OF IN A LEGAL FASHION.

   THE CONTRACTOR IS NOT RESPONSIBLE FOR IDENTIFYING OR SAFELY REMOVING ANY EXISTING MATERIAL WITHIN THE BUILDING WHICH MAY BE HAZARDOUS TO HUMAN HEALTH. THE CONTRACTOR SHALL MONITOR, COORDINATE AND MAKE AN EFFORT WITH THE OWNER IN PROVIDING A SAFE WORK PLACE FOR ALL CONSTRUCTION WORKERS AND SUBCONTRACTORS IN A MANNER, BUT NOT LIMITED TO NOTIFYING THE OWNER OF ANY POTENTIALLY HAZARDOUS MATERIALS OR CONDITIONS HE MAY FIND IN THE PARKING FACILITY AFTER HE SIGNS THE CONTRACT AND STARTS HIS WORK.
14. ANY UTILITY LINES ABANDONED OR NO LONGER IN SERVICE THAT WOULD INTERFERE WITH THE PROJECT SHALL BE IDENTIFIED BY THE CONTRACTOR AND REMOVED FROM THE REPAIR AREAS BY THE OWNER, UNLESS NOTED OTHERWISE, PRIOR TO THE START OF WORK BY THE CONTRACTOR.

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REPAIR AND PREVENTIVE MAINTENANCE
OF THE
ELM AND HIGH STREET GARAGES
NASHUA, NEW HAMPSHIRE

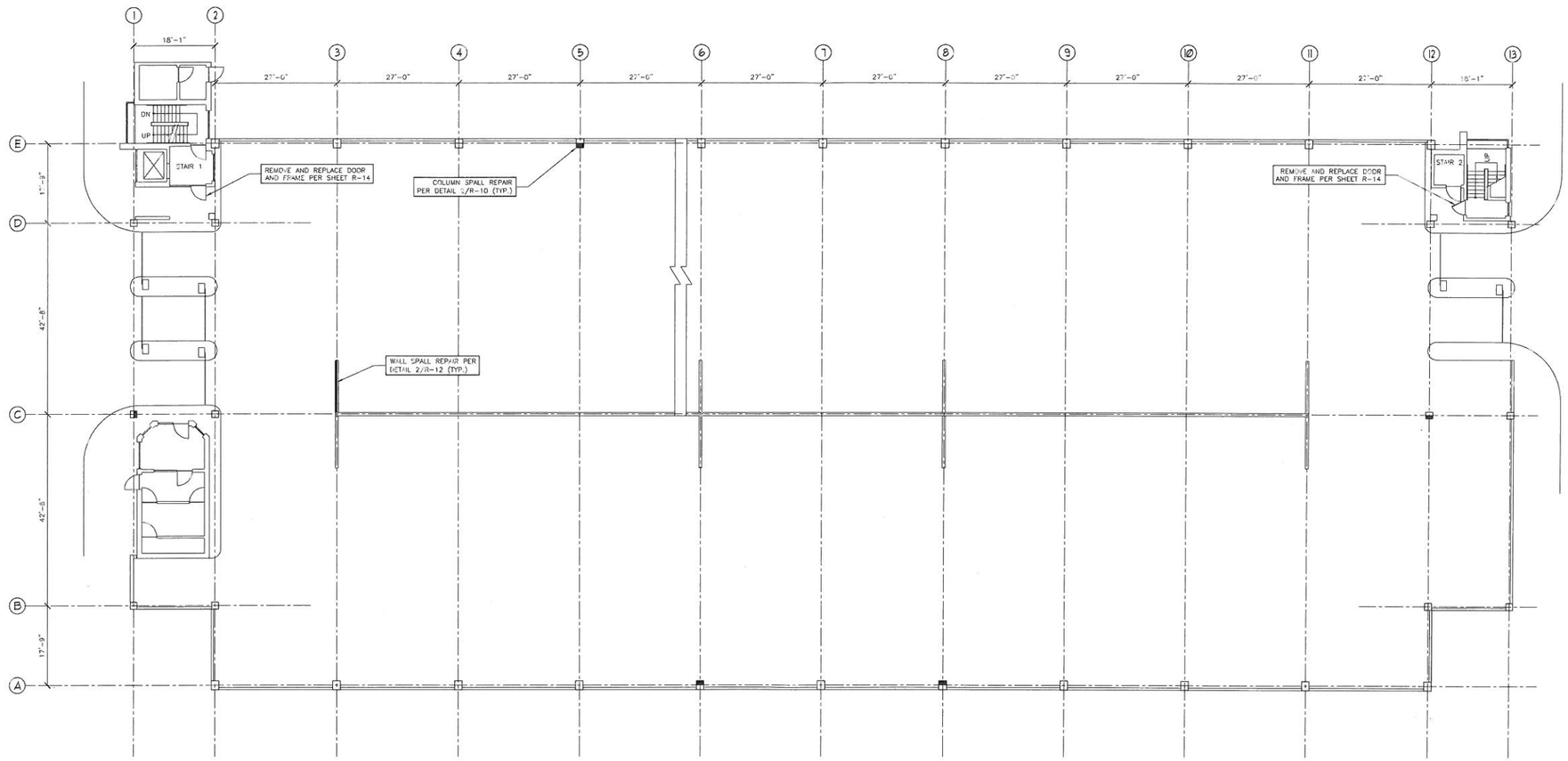
NO.	DATE	BY
REVISIONS		

DRAWING TITLE
TITLE SHEET

DRAWING NO.
R-1

SCALE: AS NOTED
DATE: SEPTEMBER 2010
PROJECT NO.30-1015.00-2

DESIGN	DRAWN	CH'KD.
AC	NL	MG



ELM STREET GARAGE – GRADE LEVEL FRAMING PLAN

SCALE: 3/32"=1'-0"

NOTES

1. ALL REPAIR LOCATIONS AND QUANTITIES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR IN THE PRESENCE OF THE ENGINEER.
2. FOR REPAIR DETAILS SEE DRAWINGS R-10, R-12, R-13 AND R-14.
3. ALL NEW CONCRETE SHALL BE 5,000 PSI. CONCRETE DESIGN SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCING REPAIRS.
4. ROUT AND SEAL ALL FLOOR CRACKS GREATER THAN 1/16" PER DETAIL 4/R-13.
5. REMOVE AND REPLACE ALL PRECAST FLOOR SEALANTS PER DETAIL 4/R-12.
6. REMOVE AND REPLACE VERTICAL SEALANTS AT ROOF PER DETAIL 2/R-13.
7. CLEAN OUT EXISTING DRAINAGE BODIES.
8. PARKING STRIPING SHALL BE REPLACED IN KIND AFTER THE CONCRETE DECK REPAIRS ARE COMPLETE.
9. CONCRETE REPAIR AT DAMAGED STAIR TREADS PER DETAIL 4/R-10.

LEGEND

FULL DEPTH CONCRETE TEE REPAIR PER DETAIL 1/R-10 (TYP.)	NEW MEMBRANE PER DETAIL 1/R-13 (TYP.)
PARTIAL DEPTH CONCRETE TEE REPAIR PER DETAIL 1/R-12 (TYP.)	NEW EXPANSION JOINT SEAL PER DETAIL 3/R-13 (TYP.)
SAND AND EPOXY REPAIR AT TEE PER DETAIL 3/R-12 (TYP.)	REPLACE PRE-FORMED SEAL PER DETAIL 3/R-13 (TYP.)
OVERHEAD TEE FLANGE REPAIR PER DETAIL 1/R-12 (TYP.)	EXISTING FLOOR DRAIN
BEAM SPALL REPAIR PER DETAIL 3/R-10 (TYP.)	REMOVE AND REPLACE FLOOR DRAIN PER DETAIL 5/R-13 (TYP.)
COLUMN SPALL REPAIR PER DETAIL 2/R-10 (TYP.)	SUPPLEMENTAL FLOOR DRAIN PER DETAIL 5/R-13 (TYP.)
WALL SPALL REPAIR PER DETAIL 2/R-12 (TYP.)	REPLACE CLEANOUT PIPE TO NEAREST CONNECTION (APPROX. 4' EACH)

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REPAIR AND PREVENTIVE MAINTENANCE
OF THE
ELM AND HIGH STREET GARAGES
NASHUA, NEW HAMPSHIRE

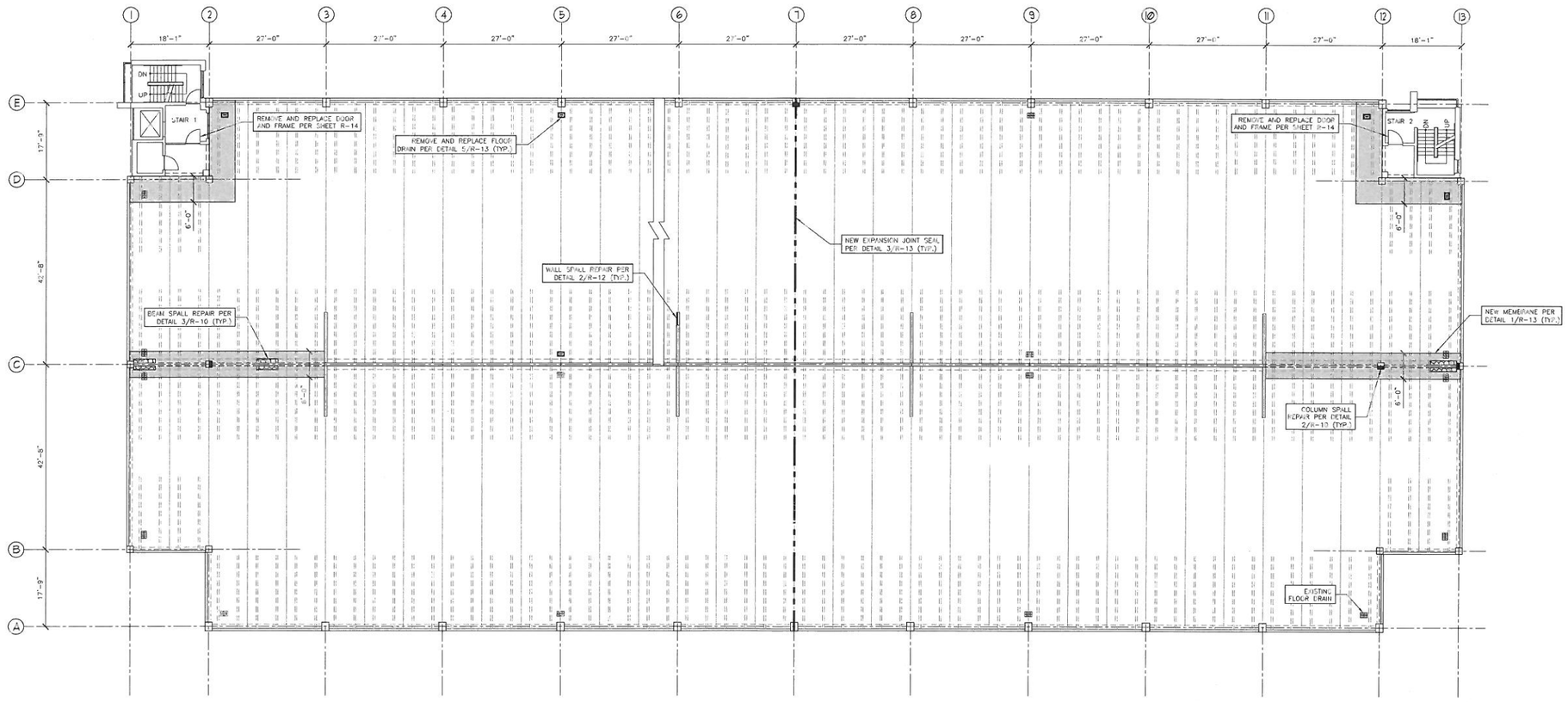
NO.	DATE	BY
REVISIONS		

DRAWING TITLE
ELM STREET GARAGE – GRADE LEVEL FRAMING PLAN

DRAWING NO.
R-2

SCALE: AS NOTED
DATE: SEPTEMBER 2010
PROJECT NO. 25-10115.00-2

DESIGN	DRAWN	CHKD.
AC	ND	MG



ELM STREET GARAGE – LEVEL 2 FRAMING PLAN

SCALE: 3/32"=1'-0"

NOTES

1. ALL REPAIR LOCATIONS AND QUANTITIES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR IN THE PRESENCE OF THE ENGINEER.
2. FOR REPAIR DETAILS SEE DRAWINGS R-10, R-12, R-13 AND R-14.
3. ALL NEW CONCRETE SHALL BE 5,000 PSI. CONCRETE DESIGN SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCING REPAIRS.
4. ROUT AND SEAL ALL FLOOR CRACKS GREATER THAN 1/16" PER DETAIL 4/R-13.
5. REMOVE AND REPLACE ALL PRECAST FLOOR SEALANTS PER DETAIL 4/R-12.
6. REMOVE AND REPLACE VERTICAL SEALANTS AT ROOF PER DETAIL 2/R-13.
7. CLEAN OUT EXISTING DRAINAGE BODIES.
8. PARKING STRIPING SHALL BE REPLACED IN KIND AFTER THE CONCRETE DECK REPAIRS ARE COMPLETE.
9. CONCRETE REPAIR AT DAMAGED STAIR TREADS PER DETAIL 4/R-10.

LEGEND

FULL DEPTH CONCRETE TEE REPAIR PER DETAIL 1/R-10 (TYP.)	NEW MEMBRANE PER DETAIL 1/R-13 (TYP.)
PARTIAL DEPTH CONCRETE TEE REPAIR PER DETAIL 1/R-12 (TYP.)	NEW EXPANSION JOINT SEAL PER DETAIL 3/R-13 (TYP.)
SAND AND EPOXY REPAIR AT TEE PER DETAIL 3/R-12 (TYP.)	REPLACE PRE-FORMED SEAL PER DETAIL 3/R-13 (TYP.)
OVERHEAD TEE FLANGE REPAIR PER DETAIL 1/R-12 (TYP.)	EXISTING FLOOR DRAIN
BEAM SPALL REPAIR PER DETAIL 3/R-10 (TYP.)	REMOVE AND REPLACE FLOOR DRAIN PER DETAIL 5/R-13 (TYP.)
COLUMN SPALL REPAIR PER DETAIL 2/R-10 (TYP.)	SUPPLEMENTAL FLOOR DRAIN PER DETAIL 5/R-13 (TYP.)
WALL SPALL REPAIR PER DETAIL 2/R-12 (TYP.)	REPLACE CLEANOUT PIPE TO NEAREST CONNECTION (APPROX. 4' EACH)

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REPAIR AND PREVENTIVE MAINTENANCE OF THE ELM AND HIGH STREET GARAGES

NASHUA, NEW HAMPSHIRE

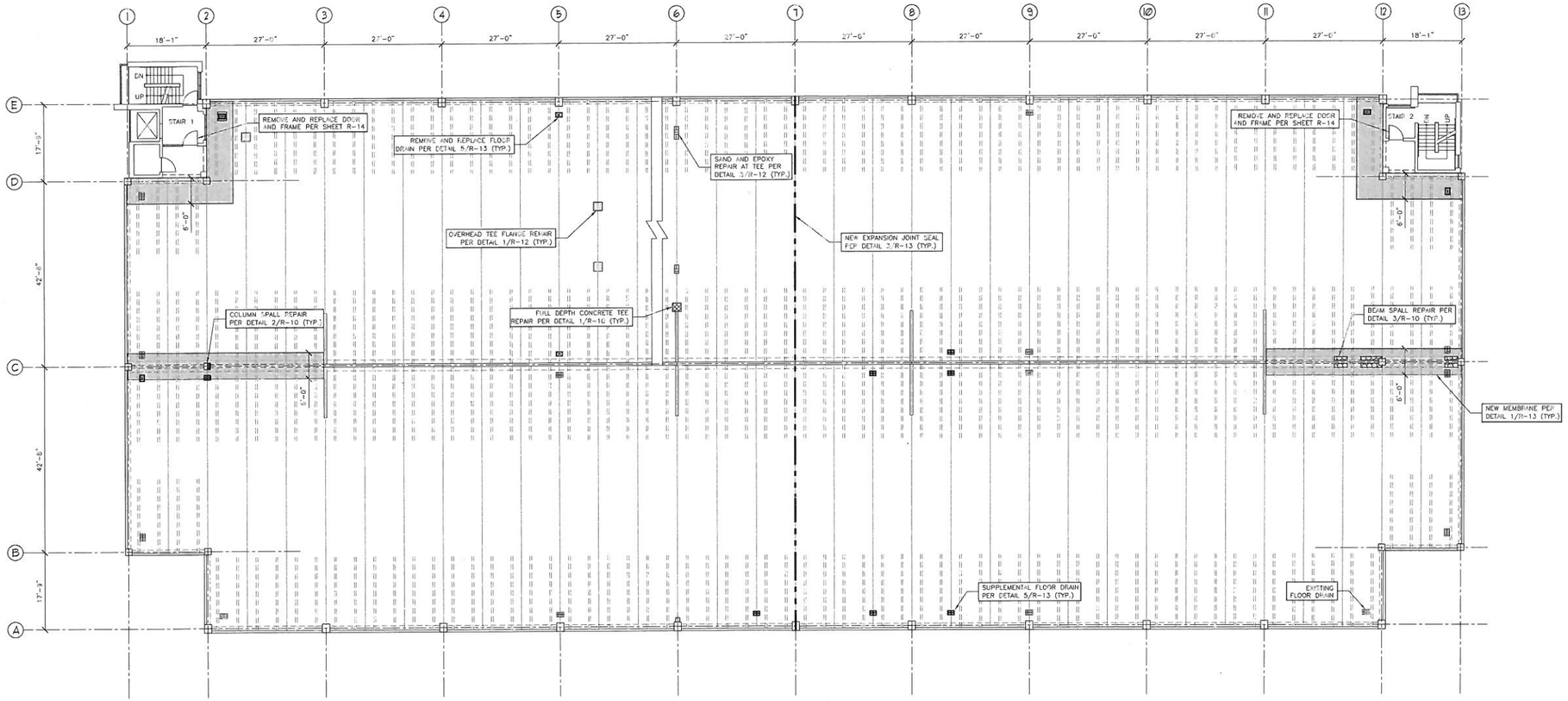
NO.	DATE	BY
REVISIONS		

DRAWING TITLE
ELM STREET GARAGE – LEVEL 2 FRAMING PLAN

DRAWING NO.
R-3

SCALE: AS NOTED
DATE: SEPTEMBER 2010
PROJECT NO. 09-10115.00-2

DESIGN	DRAWN	CH'KD.
AC	NO	MG



ELM STREET GARAGE – LEVEL 3 FRAMING PLAN

SCALE: 3/32"=1'-0"

NOTES

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2. FOR REPAIR DETAILS SEE DRAWINGS R-10, R-12, R-13 AND R-14.
3. ALL NEW CONCRETE SHALL BE 5,000 PSI. CONCRETE DESIGN SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCING REPAIRS.
4. ROUT AND SEAL ALL FLOOR CRACKS GREATER THAN 1/16" PER DETAIL 4/R-13.
5. REMOVE AND REPLACE ALL PRECAST FLOOR SEALANTS PER DETAIL 4/R-12.
6. REMOVE AND REPLACE VERTICAL SEALANTS AT ROOF PER DETAIL 2/R-13.
7. CLEAN OUT EXISTING DRAINAGE BODIES.
8. PARKING STRIPING SHALL BE REPLACED IN KIND AFTER THE CONCRETE DECK REPAIRS ARE COMPLETE.
9. CONCRETE REPAIR AT DAMAGED STAIR TREADS PER DETAIL 4/R-10.

LEGEND

FULL DEPTH CONCRETE TEE REPAIR PER DETAIL 1/R-10 (TYP.)	NEW MEMBRANE PER DETAIL 1/R-13 (TYP.)
PARTIAL DEPTH CONCRETE TEE REPAIR PER DETAIL 1/R-12 (TYP.)	NEW EXPANSION JOINT SEAL PER DETAIL 3/R-13 (TYP.)
SAND AND EPOXY REPAIR AT TEE PER DETAIL 3/R-12 (TYP.)	REPLACE PRE-FORMED SEAL PER DETAIL 3/R-13 (TYP.)
OVERHEAD TEE FLANGE REPAIR PER DETAIL 1/R-12 (TYP.)	EXISTING FLOOR DRAIN
BEAM SPALL REPAIR PER DETAIL 3/R-10 (TYP.)	REMOVE AND REPLACE FLOOR DRAIN PER DETAIL 5/R-13 (TYP.)
COLUMN SPALL REPAIR PER DETAIL 2/R-10 (TYP.)	SUPPLEMENTAL FLOOR DRAIN PER DETAIL 5/R-13 (TYP.)
WALL SPALL REPAIR PER DETAIL 2/R-12 (TYP.)	REPLACE CLEANOUT PIPE TO NEAREST CONNECTION (APPROX. 4' EACH)

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REPAIR AND PREVENTIVE MAINTENANCE OF THE
ELM AND HIGH STREET GARAGES
NASHUA, NEW HAMPSHIRE

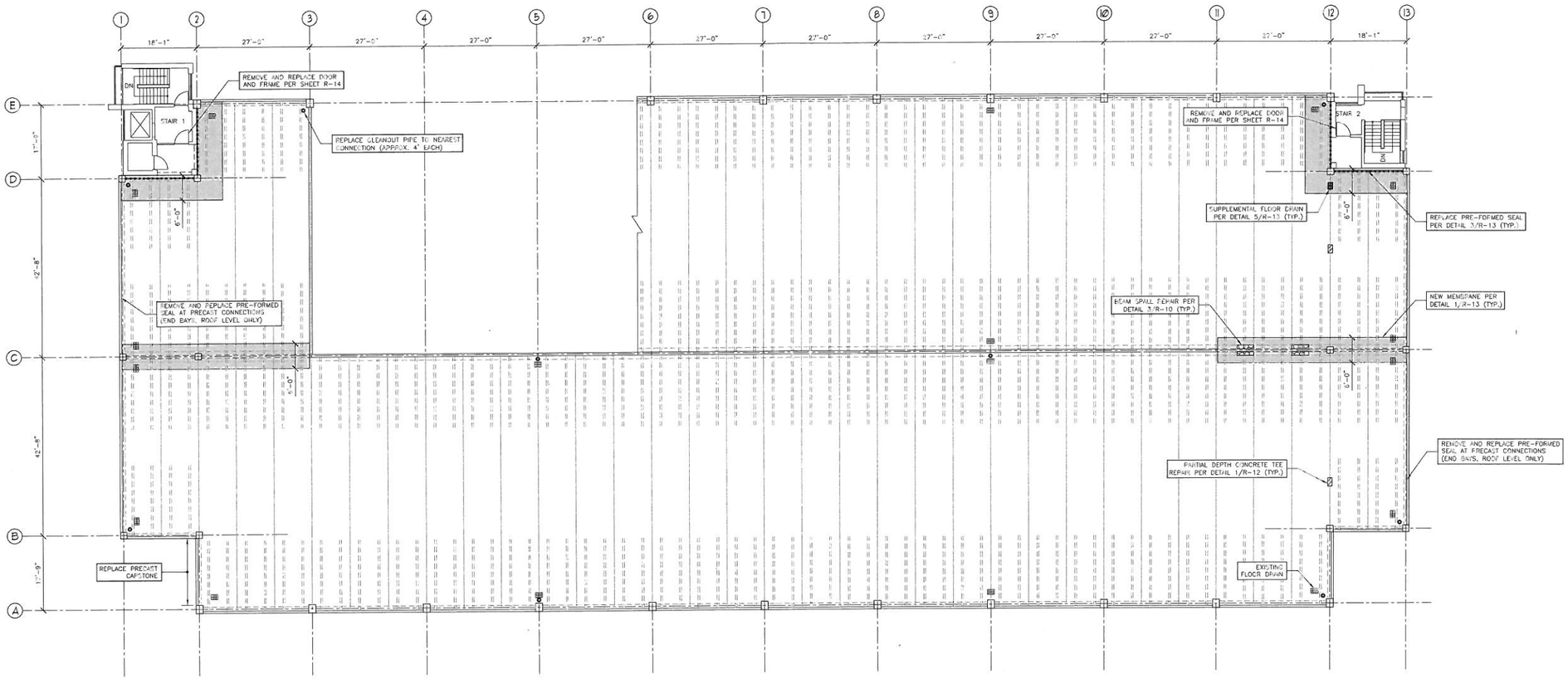
NO.	DATE	BY
REVISIONS		

DRAWING TITLE
ELM STREET GARAGE – LEVEL 3 FRAMING PLAN

DRAWING NO.
R-4

SCALE: AS NOTED
DATE: SEPTEMBER 2010
PROJECT NO. 20-10115.00-2

DESIGN	DRAWN	CHK'D
AC	ND	MC



ELM STREET GARAGE – ROOF LEVEL FRAMING PLAN

SCALE: 3/32"=1'-0"

NOTES

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2. FOR REPAIR DETAILS SEE DRAWINGS R-10, R-12, R-13 AND R-14.
3. ALL NEW CONCRETE SHALL BE 5,000 PSI. CONCRETE DESIGN SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCING REPAIRS.
4. ROUT AND SEAL ALL FLOOR CRACKS GREATER THAN 1/16" PER DETAIL 4/R-13.
5. REMOVE AND REPLACE ALL PRECAST FLOOR SEALANTS PER DETAIL 4/R-12.
6. REMOVE AND REPLACE VERTICAL SEALANTS AT ROOF PER DETAIL 2/R-13.
7. CLEAN OUT EXISTING DRAINAGE BODIES.
8. PARKING STRIPING SHALL BE REPLACED IN KIND AFTER THE CONCRETE DECK REPAIRS ARE COMPLETE.
9. CONCRETE REPAIR AT DAMAGED STAIR TREADS PER DETAIL 4/R-10.

LEGEND

FULL DEPTH CONCRETE TEE REPAIR PER DETAIL 1/R-10 (TYP.)	NEW MEMBRANE PER DETAIL 1/R-13 (TYP.)
PARTIAL DEPTH CONCRETE TEE REPAIR PER DETAIL 1/R-12 (TYP.)	NEW EXPANSION JOINT SEAL PER DETAIL 3/R-13 (TYP.)
SAND AND EPOXY REPAIR AT TEE PER DETAIL 3/R-12 (TYP.)	REPLACE PRE-FORMED SEAL PER DETAIL 3/R-13 (TYP.)
OVERHEAD TEE FLANGE REPAIR PER DETAIL 1/R-12 (TYP.)	EXISTING FLOOR DRAIN
BEAM SPALL REPAIR PER DETAIL 3/R-10 (TYP.)	REMOVE AND REPLACE FLOOR DRAIN PER DETAIL 5/R-13 (TYP.)
COLUMN SPALL REPAIR PER DETAIL 2/R-10 (TYP.)	SUPPLEMENTAL FLOOR DRAIN PER DETAIL 5/R-13 (TYP.)
WALL SPALL REPAIR PER DETAIL 2/R-12 (TYP.)	REPLACE CLEANOUT PIPE TO NEAREST CONNECTION (APPROX. 4' EACH)

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ELM AND HIGH STREET GARAGES
NASHUA, NEW HAMPSHIRE

NO.	DATE	BY
REVISIONS		

DRAWING TITLE
ELM STREET GARAGE – ROOF LEVEL FRAMING PLAN

DRAWING NO.
R-5

SCALE: AS NOTED
DATE: SEPTEMBER 2010
PROJECT NO. 09-10115.00-2

DESIGN	DRAWN	CH'KD.
AC	ND	MG