CONSTRUCTION NOTES

- 1 CODES AND STANDARDS: ALL STRUCTURAL REPAIR WORK SHALL BE PERFORMED WITH PERTINENT PROVISIONS OF THE FOLLOWING CODES
 - "SPECIFICATIONS FOR STRUCTURAL CONCRETE" "GUIDE FOR MEASURING, MIXING, TRANSPORTING AND b. ACI 304R PLACING CONCRETE" "HOT WEATHER CONCRETING" "STANDARD SPECIFICATIONS FOR COLD WEATHER CONCRETING" "GUIDE FOR CONSOLIDATION OF CONCRETE" e. ACI 309R f. ACI 311.1R

 "ACI MANUAL OF CONCRETE INSPECTION"

 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL
 - CONCRETE" "GUIDE TO FORMWORK FOR CONCRETE" h. ACI 347 "SPECIFICATIONS OF SHOTCRETE"
 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND j. AISC
 - BRIDGES" "MANUAL OF STEEL CONSTRUCTION" k AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" "STRUCTURAL WELDING CODE - STEEL"

m. AWS

- 2. ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED
- 3. THE ENGINEER SHALL HAVE AUTHORITY TO REJECT WORK WHICH DOES NOT CONFORM TO THE CONTRACT DOCUMENTS. THE ENGINEER AND OWNER WILL HAVE AUTHORITY TO REQUIRE SPECIAL INSPECTION OR TESTING OF THE WORK. HOWEVER, NETHER THE ENGINEER'S AUTHORITY TO ACT UNDER THIS SUBPARAGRAPH NOR ANY DECISION MADE BY HIM IN GOOD FAITH TO EXERCISE OR NOT TO EXERCISE SUCH AUTHORITY, SHALL GIVE RISE TO ANY DUTY OR RESPONSIBILITY OF THE ENGINEER TO THE CONTRACTOR, ANY SUBCONTRACTOR, ANY OT THEIR ACENTS OR EMPLOYEES, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK.
- 4. THE CONTRACTOR SHALL MAINTAIN, ON ONE COMPLETE SET OF DRAWINGS (WHITE PRINTS) AND SPECIFICATIONS FURNISHED BY THE OWNER AT THE CONTRACTORS EXPENSE AN ACCURATE RECORD OF THE INSTALLATION OF ALL CONTINUOUS EXPENSES, NA MACORIAL RECOVER OF THE INSTALLATION OF ALL MATERIALS AND SYSTEMS COVERED BY THE CONTRACT. THE "AS-BUILT" RECORD SHALL INDICATE THE EXACT LOCATION AND AMOUNT OF ALL REPAIR WORK. THE COMPLETED SET OF "AS-BUILT" DRAWINGS MUST BE DELIVERED TO THE OWNER AND ENGINEER AS SOON AS THE PROJECT IS FINISHED.
- 5. ANY EQUIPMENT GREATER THAN 6,000 LBS SHALL REQUIRE SPECIALIZED SHORING OF THE PARKING DECK. THE ENGINEER SHALL REVIEW AND APPROVE SHORING PRIOR TO STARTING WORK. ALL LOOSE CONCEREE ON THE UNDERSIDE OF THE PARKING DECK SHALL BE REMOVED PRIOR TO STARTING WORK. ALL NOISE AND DUST PRODUCING OPERATIONS ARE LIMITED TO THE OWNER'S SATISFACTION AND THE CITY OF GREAT FALLS CODE REQUIREMENTS
- 6. THE NEW CONCRETE SHALL BE PLACED, CONSOLIDATED AND FINISHED TO MATCH EXISTING FINISH FLOOR ELEVATIONS. THE REPAIR AREAS MAY BE OPENED TO GARAGE OPERATION AFTER THE NEW CONCRETE HAS ACHIEVED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PS. THE SHORING AND FALSEWORK SHALL BE LETT IN-PLACE UNTIL THE NEW CONCRETE ACHIEVES AT LEAST 70% OF THE DESIGN COMPRESSIVE STRENGTH. THE CONTRACTOR SHALL COOPERATE WITH THE TESTING AGENCY REPRESENTATIVE DURING THE POURING TO INSPECT AND MAKE CYLINDERS OF NEW CONCRETE DELIVERED TO THE SITE.
- CONCRETE TESTING WILL BE PERFORMED BY THE TESTING LABORATORY SELECTED BY THE OWNER IN ACCORDANCE WITH ACI 301 SUBSECTION 1.6. SEE THE SPECIFICATION FOR CONCRETE TEST REQUIREMENTS.

REINFORCED CONCRETE NOTES

- 1. ALL REINFORCED CONCRETE WORK SHALL BE IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 318-02.
- a. THE 28-DAY COMPRESSIVE STRENGTH OF NEW NORMAL WEIGHT CONCRETE SHALL BE A MINIMUM OF 5,000 PSI. THE CONCRETE SHALL BE FIBER REINFORCED IN ACCORDANCE WITH THE SPECIFICATIONS.
- b. CONCRETE MIX DESIGN SHALL BE MADE BY AN APPROVAL LABORATORY FOR ALL CONCRETE AND SHALL BE SUBMITTED TO THE OWNER AND THE ENGINEER FOR APPROVAL BEFORE USE.
- c. FINE AND COARSE AGGREGATE SHALL CONFORM TO ASTM C33.
- d. PORTLAND CEMENT SHALL BE TYPE I OR III CONFORMING TO ASTM C150.
- e. ALL NEW REINFORCING STEEL SHALL CONFORM TO ASTM A615 (60,000 PSI YIELD). A NEW SLAB REINFORCING STEEL SHALL BE EPOXY COATED REBAR.
- f. AIR ENTRAINMENT FOR ALL CONCRETE SHALL BE $6\%\pm1\%$ OF THE VOLUME OF FRESHLY MIXED CONCRETE.
- 3. ALL DIMENSION SHOWN FOR LOCATION OF REINFORCING STEEL ARE TO THE FACE OF MAIN BARS AND DENOTE CLEAR MINIMUM COVER. UNLESS SPECIFICALLY NOTED, CONCRETE COVER TO NEW EPDXY COATED REINFORCING STEEL IN THE SUPPORTED SLABS AND BEAMS SHALL BE AS FOLLOWS:

ALL EXISTING REINFORCING STEEL (TOP AND BOTTOM) SHALL BE PROVIDED WITH A MINIMUM CONCRETE COVER OF 1

- 4. UNLESS DIRECTED OTHERWISE BY THE ENGINEER, ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315. BAR SUPPORTS IN CONTACT WITH EXPOSED SURFACES
- 5. SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING STEEL SIZES
- 6. ALL REINFORCING SPLICES SHALL CONFORM TO THE REQUIREMENTS OF ACI 318, LATEST EDITION, BUT IN NO CASE SHALL BE LESS THAN 45 BAR DIAMETERS, UNLESS NOTED OTHERWISE. ALL WELDED WIRE FABRIC SHALL BE LAPPED TWO (2) FULL MESH PANELS AND TIED SECURELY WHERE REQUIRED, DOWELS SHALL MATCH SIZE AND NUMBER OF MAIN REINFORCING, UNLESS MATCH CAUSEMBRIEF.
- 7. FORMS FOR SLAB/BEAM SOFFITS IF USED, SHALL BE TIGHT LEAKPROOF AND PROVIDE THE NECESSARY RIGIDITY TO SUPPORT THE IMPOSED LOADS WITHOUT ANY SETTLEMENT OR DEFORMATION.
- 8. THE FLOOR SLAB SHALL BE FINISHED AS NOTED IN THE SPECIFICATION.
 THE NEW FLOOR SLAB SHALL BE ROUGHENED IN AREAS WHERE NEW CURBS OR
 TOPPINGS ARE TO BE PLACED.

STRUCTURAL STEEL NOTES

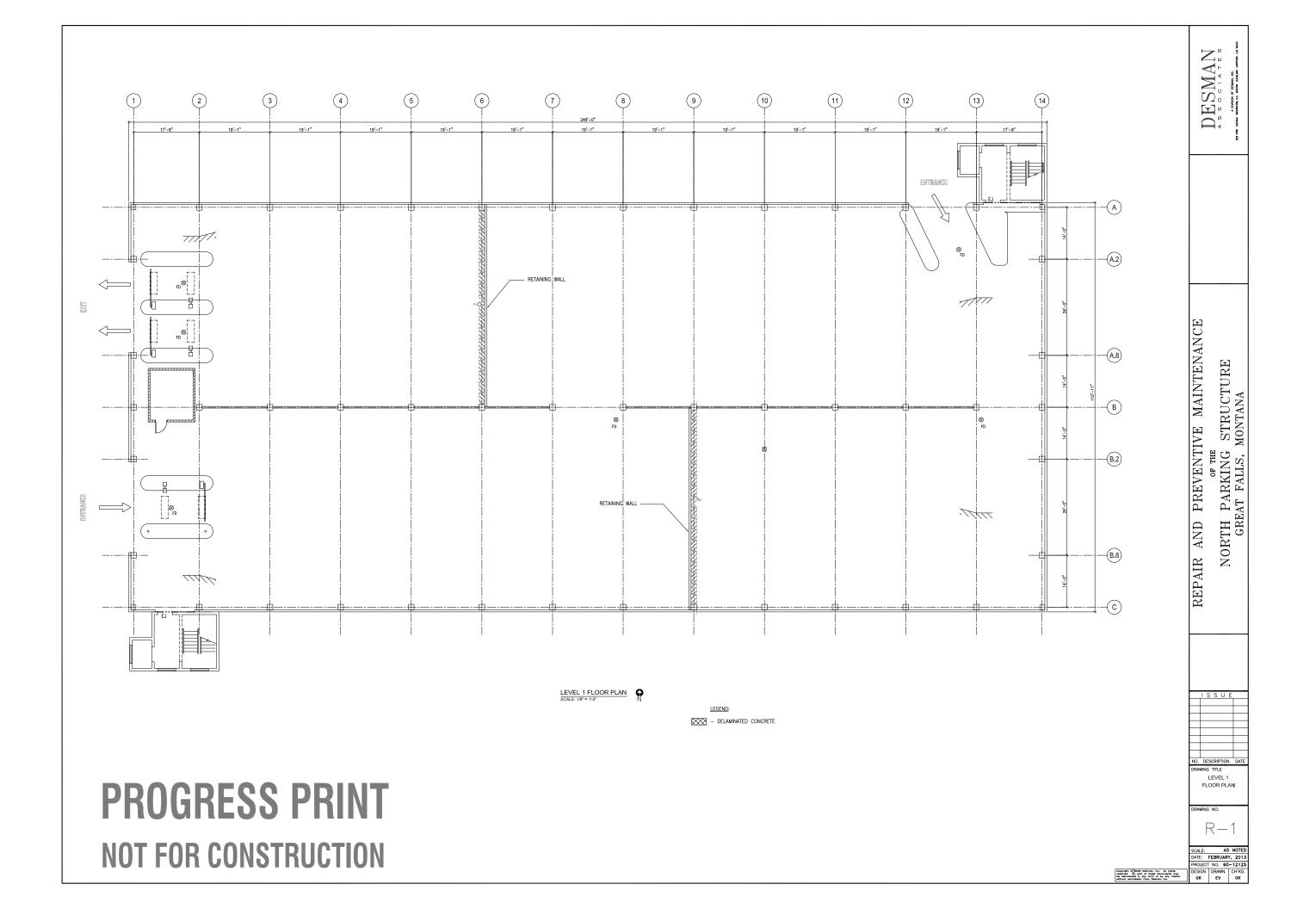
- 1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST AISC PRACTICES.
- 2. ALL NEW STRUCTURAL STEEL SHALL BE ASTM A992 OR A36.
- 3. STRUCTURAL STEEL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER. USE E70XX ELECTRODES. ALL WELDING SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, LATEST EDITION AND STANDARD CODE OF ARC AND GAS WELDING IN BUILDING CONSTRUCTION OF AMERICAN WELDING SOCIETY

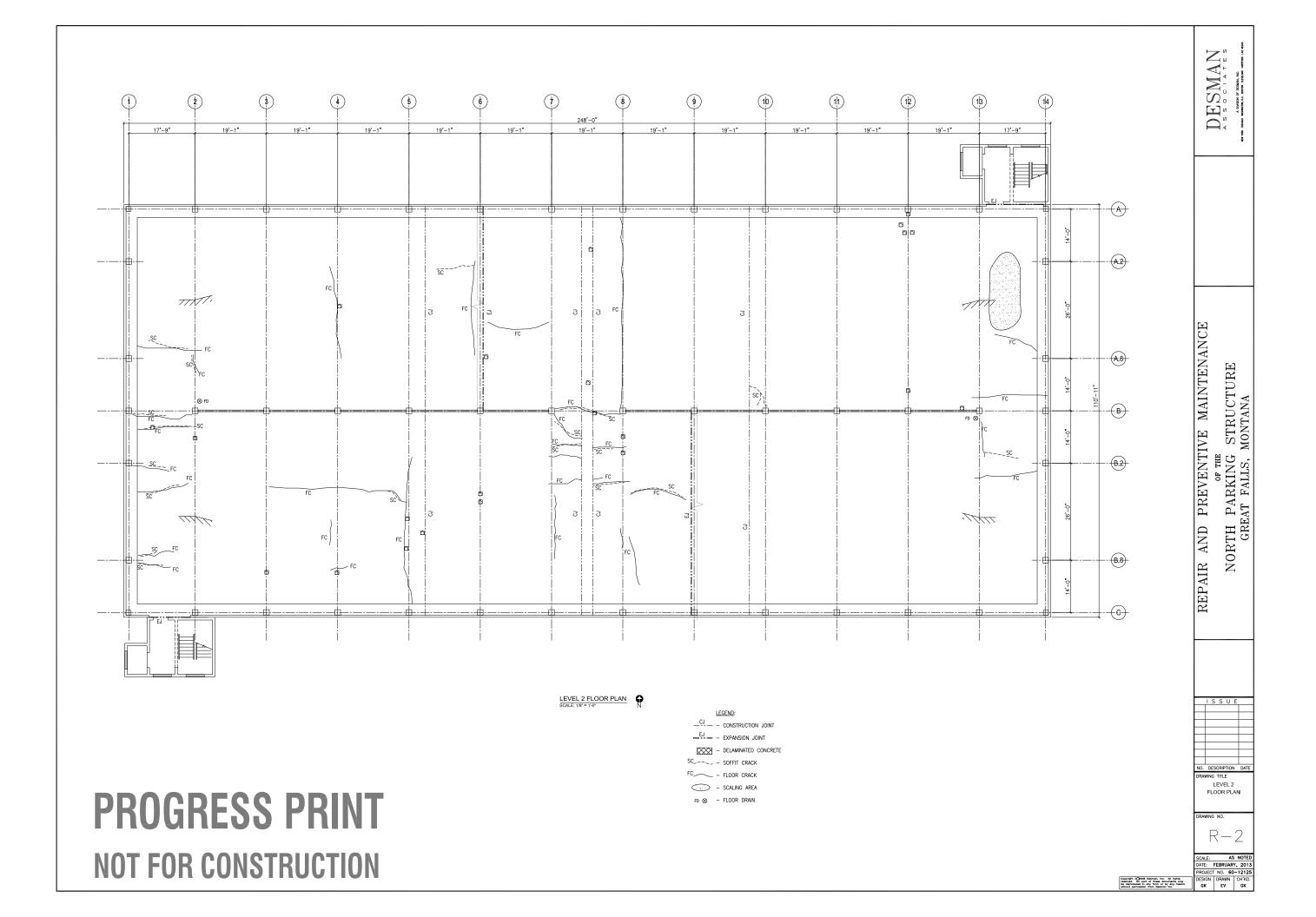
- THE FOLLOWING GENERAL NOTES SHALL APPLY UNLESS NOTED OTHERWISE ON PLANS.
- ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE LOCAL, STATE AND NATIONAL BUILDING CODES.
- 2. DO NOT SCALE DIMENSIONS FROM DRAWINGS.
- CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS SHOWN ON PLANS WITH EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- 4. CONTRACTOR SHALL REPORT IMMEDIATELY TO THE ENGINEER ANY DISCREPANCIES ON INCORRECT INFORMATION WITH THE DRAWINGS BASED ON EXISTING CONDITIONS. AFTER REPORTING THE DISCREPANCIES VERBALLY, A WRITTEN REPORT SHOULD THEN FOLLOW. CONTRACTOR SHALL BE DIRECTED BY THE ENGINEER REGARDING THE ABOVE MATTER.
- 5. THE CONTRACTOR SHALL PROVIDE METHODS AND EQUIPMENT FOR PROTECTING THE PARKING STRUCTURE, ALL MATERIALS AND PERSONNEL FROM FIRE DAMAGE PRIOR TO STARTING WORK. METHODS AND EQUIPMENT ARE SUBJECT TO APPROVAL BY THE LOCAL FIRE DEPARTMENT. THE CONTRACTOR SHALL SUBMIT THE METHODS AND EQUIPMENT IN WRITING AND OBTAIN THE OWNER AND ENGINEER'S APPROVAL PRIOR TO STARTING WORK. FIRE PROTECTION AND PREVENTION DURING THE CONSTRUCTION PERIOD SHALL BE STATE OF MONTANA AND LOCAL PROFILEPMENTS.
- 6. THE CONTRACTOR SHALL COMPLY WITH ALL SAFETY AND HEALTH LAWS AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, PROVISIONS AND REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AS AMENDED AND/OR OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AS AMENDED AND/OR THE CONSTRUCTION SAFETY ACT OF 1989, AS AMENDED (WHICHEVER IS APPLICABLE) AND WITH ALL MOST RECENT APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC AUTHORITY HAVING JURISDICTION AND SAFETY OF PERSONS OR PROPERTY OR TO PROTECT THEM FROM DAMAGE, INJURY OR LOSS. HE SHALL ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROTECTION, INCLUDING POSTING DANGER SIGNS AND OTHER WARNING AGAINST HAZARDS, PROMULCATING SAFETY REQUIRED SON SAFETY AND USERS OF ADJACENT UTILITIES. CONTRACTOR SHALL ASSURE THAT ALL OF HIS SUBGONTRACTORS ALSO CONFORM TO ALL HEALTH AND SAFETY IS AND ASFETY IS ASSETTIVED. SUBCONTRACTORS ALSO CONFORM TO ALL HEALTH AND SAFETY LAWS AND REGULATIONS. THE CONTRACTOR SHALL AT ALL TIMES HAVE AN OSHA CERTIFIED IN "COMPETENT PERSON" ON THE JOB AND AN INDIVIDUAL TRAINED AND CERTIFIED IN FIRST AID BY THE AMERICAN RED CROSS.
- THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SHEETING REQUIRED FOR SAFETY AND PROPER EXECUTION OF THE WORK.
- 8. THE CONTRACTOR SHALL NOT ATTEMPT TO DEMOLISH ANY EXISTING CONCRETE SLAB OF THE GARAGE PRIOR TO INSTALLATION OF PROPER SHORING MEMBERS APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL NOT ATTEMPT TO BRING ANY VEHICLE OR EQUIPMENT INTO THE PARKING FACILITY PRIOR TO INSTALLATION OF PROPER SHORING MEMBERS APPROVED BY THE ENGINEER AND OF WHICH THE REQUIREMENTS ARE SHOWN ON PLANS, ANY VEHICLE AND/OR EQUIPMENT TO BE REQUIREMENTS ARE SHOWN ON PLANS, ANY VEHICLE AND/OR EQUIPMENT TO BE BROUGHT ON THE PARKING FACILITY SHALL BE APPROVED BY THE ENGINEER. CONTRACTOR IS SOLELY RESPONSIBLE TO PREPARE SHOP DRAWINGS FOR THE SHORING MEMBERS AND TO SUBMIT THEM TO THE ENGINEER FOR APPROVAL.
- 9. WHEN THE PLANS INCLUDE INFORMATION PERTAINING TO SURFACE OBSERVATION. MATERIAL TESTING AND OTHER PRELIMINARY INVESTIGATIONS, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION, CHARACTER, OR QUALITY OF THE MATERIALS ENCOUNTERED AND IS ONLY CHARACIER, OR QUAILY OF 1HE MATERIALS ENCOUNTERED AND IS ONLY INCLUDED FOR CONVENIENCE OF THE BIDDER. THE OWNER/ENCINEER ASSUMES NO RESPONSIBILITY WHATEVER IN 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. SAID INFORMATION SHALL NOT BE CONSIDERED BY THE PARTIES AS A BASIS FOR THE CONTRACT AWARD AMOUNT.
- 10. ANY EXTRA WORK BEYOND THE SCHEDULED QUANTITIES REQUIRING ADDITIONAL COST TO THE OWNER SHALL BE APPROVED BY THE OWNER PRIOR TO TAKING SUCH ACTION. 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. THE CONTRACTOR SHALL NOT BE ENTITLED TO PAYMENT. THE CONTRACTOR SHALL PROMPTLY SUBMIT THE PROPOSAL FOR EXTRA WORK, IN WRITING, AS ADDITIONAL WORK IS INSCOURSED. ADDITIONAL WORK IS DISCOVERED.
- 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 INTERESTS OF THE PROJECT, DUE TO CIRCUMSTANCES NOT KNOWN UNTIL THE BID DOCUMENTS WERE SUBMITED TO THE OWNER OR ARISING THEREAFTER, THE BID DOCUMENTS WERE SUBMITED TO THE OWNER OR ARISING THEREAFTER, THE ENGINEER MAY, ALTER THE PLANS, AS MAY BE NECESSARY AND INCREASE OR DECREASE THE QUARTITIES OF WORK TO BE PERFORMED IN ACCORDANCE WITH SUCH CHANGES. THE OWNER SHALL BE INFORMED WITH A COPY OF ALL SUBMITTALS AND CORRESPONDENCE AS THE CHANGES MAY OCCUR
- 12. EXECUTION OF THE WORK WILL INVOLVE CONSIDERATION FOR ALLOWING THE OWNER TO CONTINUE OPERATIONS OF THE PARKING GARAGE IN THE AREAS OUTSIDE THE REPAIR AREA AND SHORING AREA FOR EACH PHASE. PRIOR TO THE AWARD OF THE CONTRACT, THE CONSTRUCTION SCHEDULE PREPARED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE OWNER AND COORDINATED WITH THE FACILITY WAMAGEMENT. OWNER'S APPROVAL OF THE PROPOSED SCHEDULE SHALL PRECEDE THE CONTRACT AWARD.
- 13. THE CONTRACTOR SHALL REVIEW ALL EXISTING CONDITIONS TO DETERMINE ALL SERVICES (ELECTRICAL AND PLUMBING) AFFECTED BY THE REPAIR WORK, IF ANY. HE SHALL MAKE NECESSARY TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SERVICES TO ALL AREAS OF THE PARKING GARAGE OR OTHER AREAS (NOT IN CONTRACT) AFFECTED BY THE WORK. THE CONTRACTOR SHALL SUBMIT THE METHODS AND SCHEDULE OF CONNECTIONS FOR THE OWNER'S APPROVAL PRIOR
- 14. AS THE WORK PROGRESSES, THE CONTRACTOR SHALL PRODUCE "AS-BUILT" DRAWINGS FOR THE INSTALLATION OF ALL REPAIR ITEMS UNDER THE CONTRACT. THE ENGINEER WILL PROVIDE THE CENERAL CONTRACTOR WITH A SET OF REPRODUCIBLES FOR THIS PURPOSE. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN THE AS-BUILT DRAWINGS UPDATED ACCORDING TO THE JOB PROGRESS. FOR EACH PAY-REQUEST BY THE CONTRACTOR, THE OWNER AND ENGINEER SHALL RECEIVE A COPY OF THE UPDATED AS-BUILT DRAWINGS.

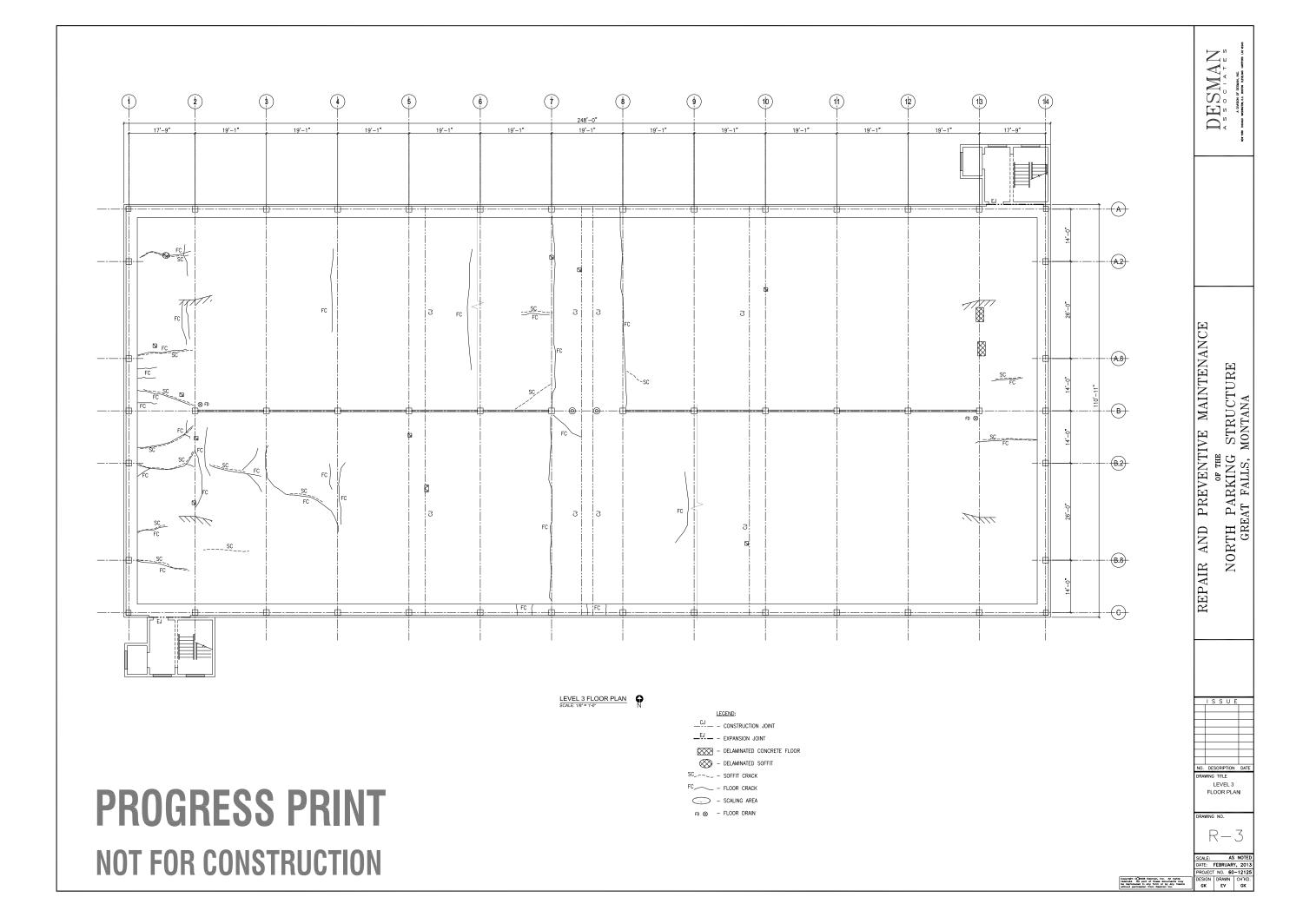
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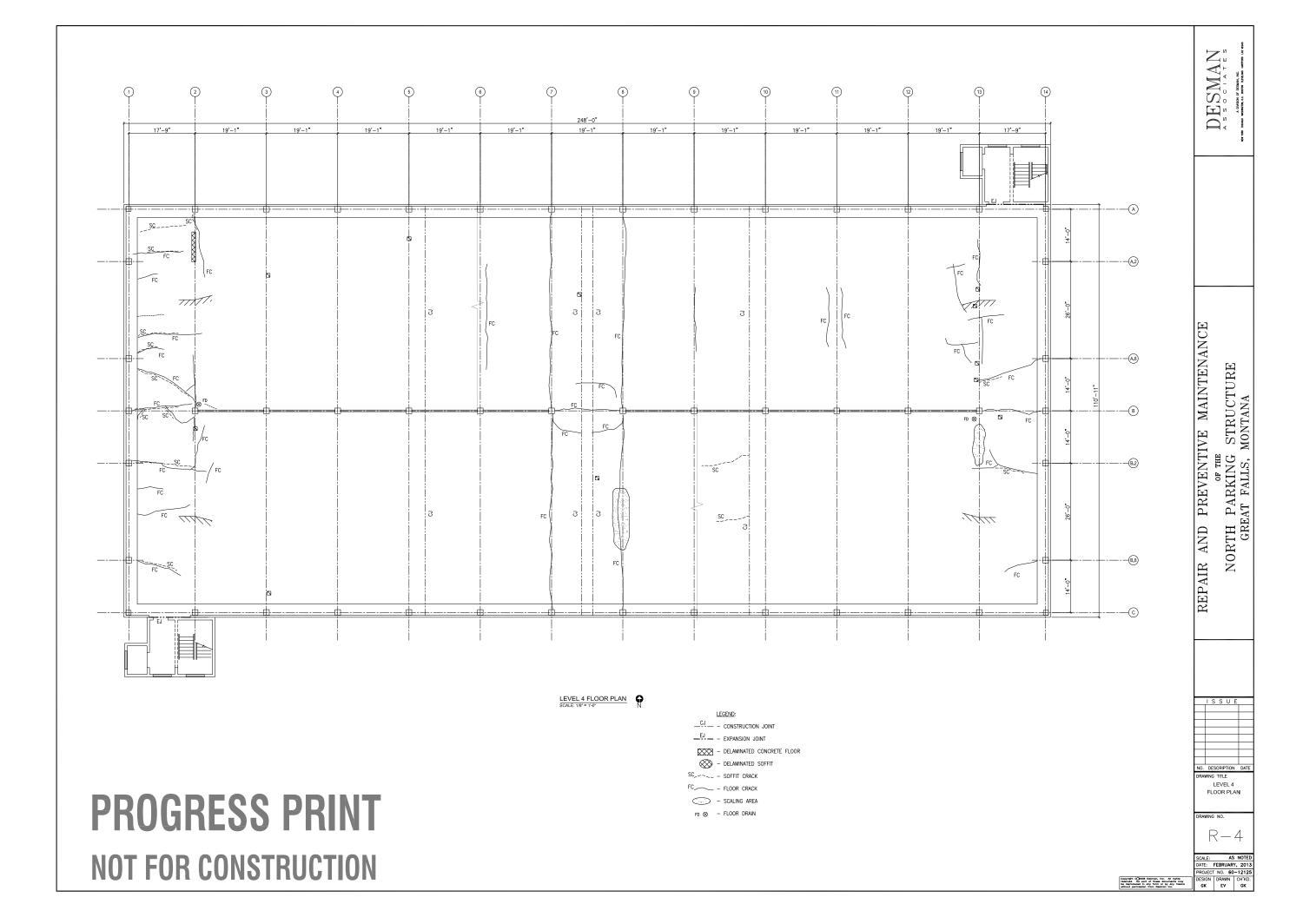
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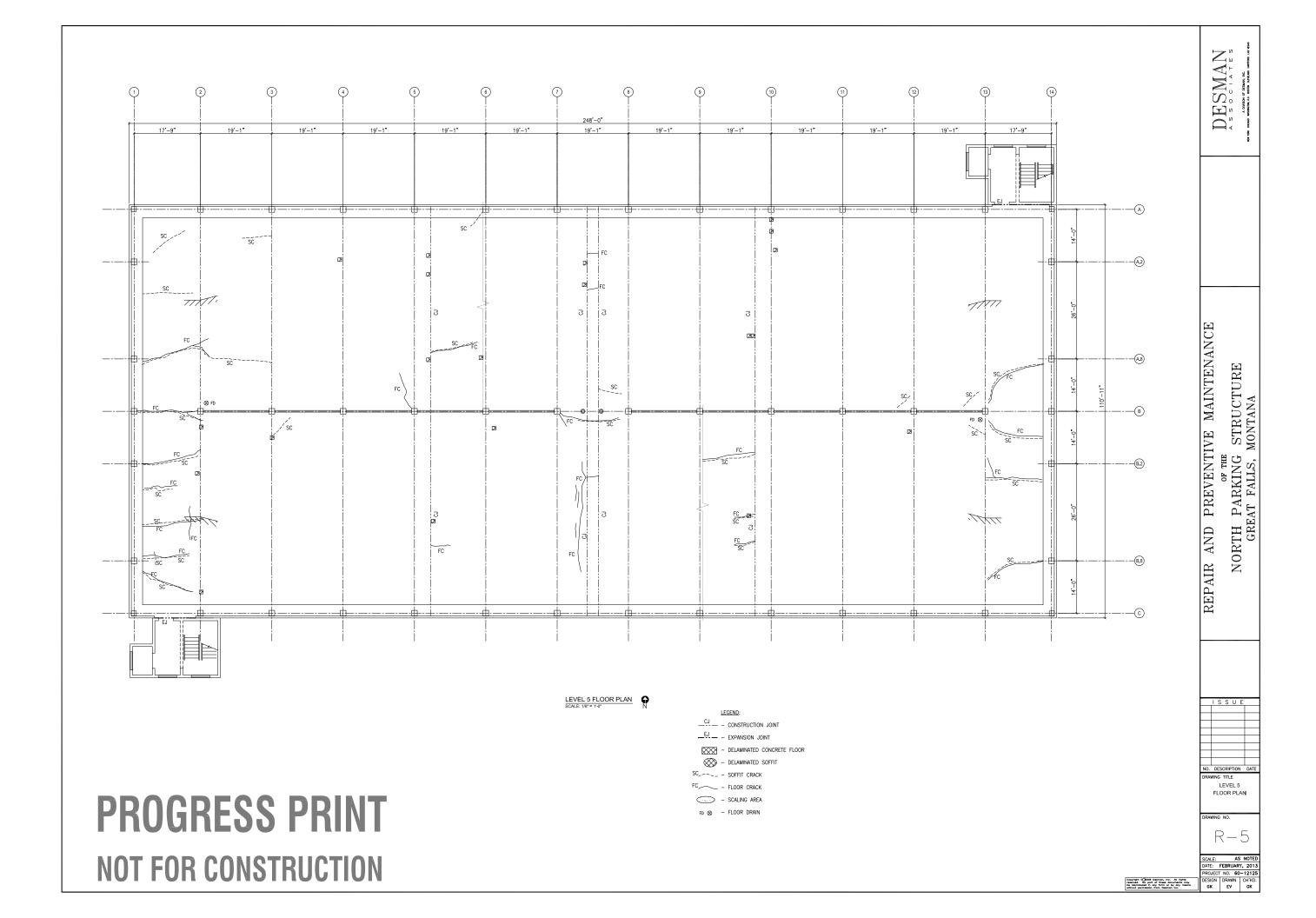
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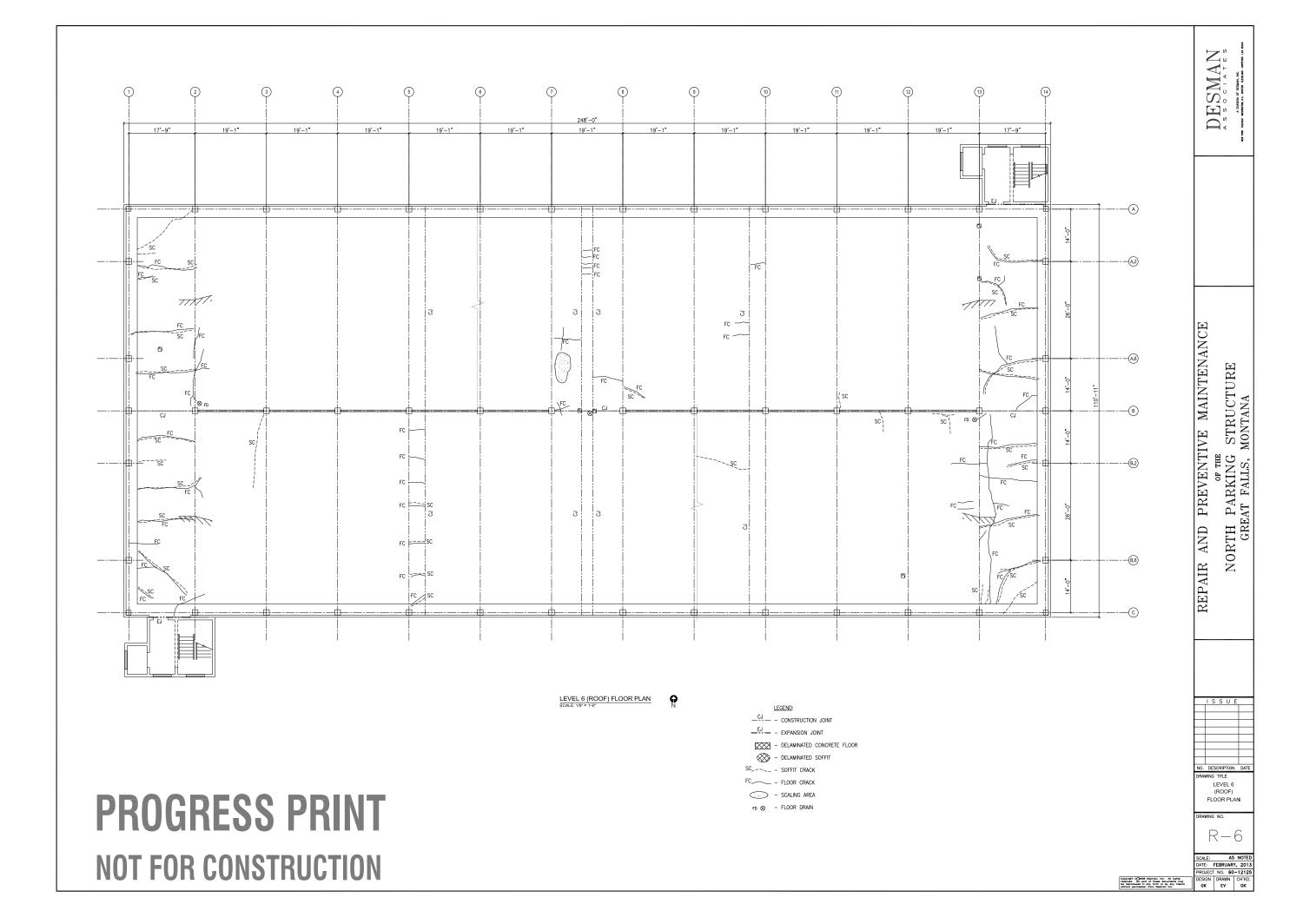


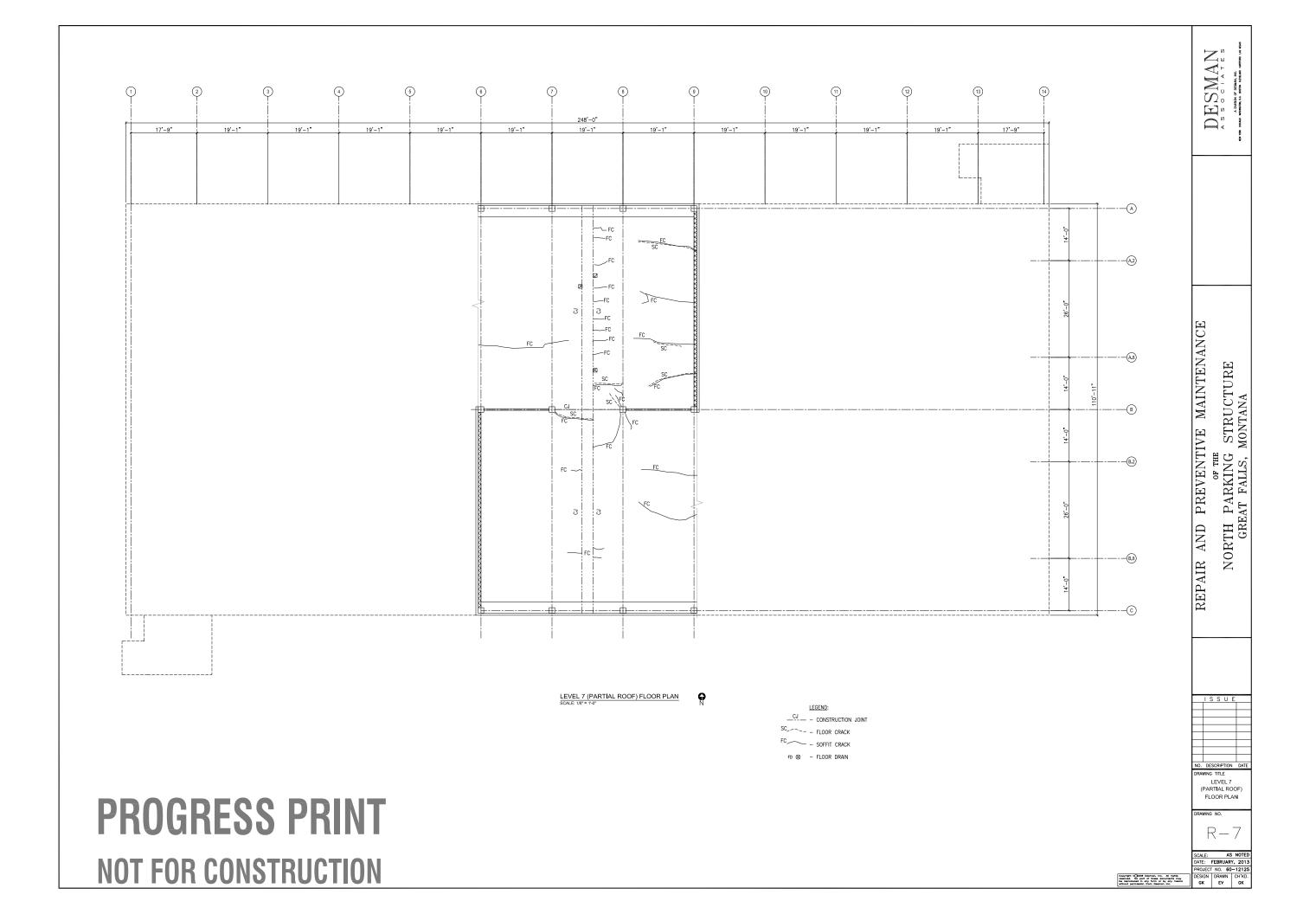


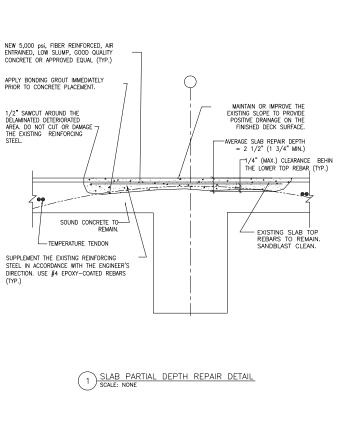


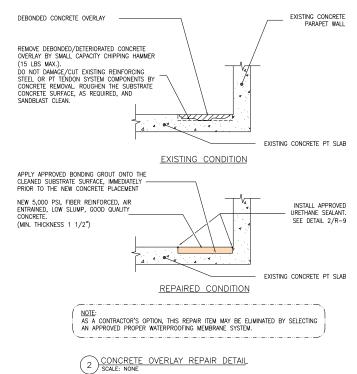


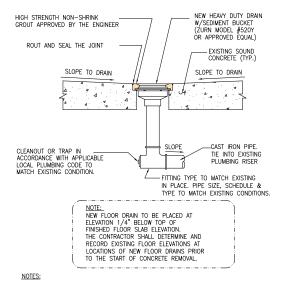




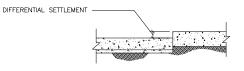




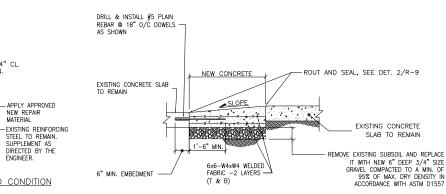




- DETERMINE THE ADDITIONAL FLOOR DRAIN LOCATION BY FLOODING THE AREA WITH WATER. THE ACCURATE CORE-DRILL LOCATION SHALL BE DETERMINED USING A REBAR LOCATOR IN ORDER TO MISS ANY EXISTING REBARS AND POST-TENSIONED TENDON/ANCHORAGE EMBEDDED IN THE SLAB.
- CAREFULLY DRILL THE CORE HOLE NOT TO CUT OR DAMAGE ANY REINFORCING
- INSTALL AN APPROVED NEW DRAIN.
- SEAL PERIMETER OF DRAIN WITH MATERIAL COMPATIBLE WITH PROPOSED NEW WATERPROOFING MEMBRANE SYSTEM.
- THE CONTRACTOR SHALL INCLUDE IN HIS PRICE ANY MISCELLANEOUS METALS, ETC. REQUIRED TO SUPPORT DRAIN BODY WITHIN SLAB.



EXISTING CONDITION



REPAIRED CONDITION

- 1. REMOVE SLAB-ON-GRADE CONCRETE FROM THE AREA SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
- 2. PLACE NEW FIBER REINFORCED 5,000 PSI CONCRETE WITH WELDED WIRE MESH. TOP OF CONCRETE SHALL HAVE FINISH MATCHING EXISTING FINISH.
- SLAB THICKNESS VARIES FROM 5" TO 6". NEW SLAB-ON-GRADE TO MATCH THE EXISTING TOP ELEVATIONS OF SLAB.
- 4. ROUT AND SEAL THE JOINTS AROUND THE PERIMETER OF THE REPAIRED AREA WITH THE APPROVED SEALANT MATERIAL

6 SLAB-ON-GRADE REPAIR AT STAIR TOWERS
SCALE: NONE

DELAMINATED GROUT LAYER BY "SHALLOW-DEPTH" CONCRETE REPAIR METHOD. EXISTING AND DEMOLITION CONDITION INSTALL APPROVED COVE SEALANT. SEE DETAIL 2/R-9

1. REMOVE UNSOUND AND SOUND GROUT MATERIAL AS DIRECTED BY THE ENGINEER TO A MINIMUM DEPTH OF 1" USING CHIPPING HAMMERS AND SANDBLAST CLEAN EXPOSED STEEL, IF ANY.

2. APPLY APPROVED REPAIR MATERIALS IN LAYERS AS PER MANUFACTURER'S RECOMMENDED REPAIR PROCEDURE. EXISTING CONCRETE SURFACE SHALL BE PRE-WET PRIOR TO REPAIR MATERIALS APPLICATION, AS NECESSARY.

REPAIRED CONDITION

4. PROTECT AND CURE FINISHED REPAIR.

4 COLUMN BASE REPAIR DETAIL SCALE: NONE



CROSS-SECTIONAL AREA, IN ACCORDANCE WITH THE ENGINEER'S DIRECTIONS.

3/4" CL. ★MIN.

REPAIRED CONDITION

— APPLY APPROVED NEW REPAIR MATERIAL

5 OVERHEAD/VERTICAL REPAIR
SCALE: NONE

-REMOVE ALL DELAMINATED, DETERIORATED CONCRETE AT DESIGNATED LOCATIONS BY 15 LB. (MAX.) CHIPPING HAMMERS. THOROUGHLY SANDBLAST CLEAN EXPOSED REINFORCING STEEL AND SOLID CONCRETE SURFACE TO RECEIVE NEW REPAIR MATERIAL.

EXISTING CONDITION

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STRUCTURE MONTANA

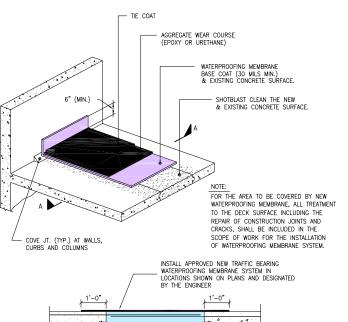
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DETAILS

SCALE: AS NOTED
DATE: FEBRUARY, 2013



EXISTING 'POUR STRIP' IN THE PT CONCRETE SLAB

SECTION "A"

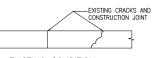
1. SANDBLAST VERTICAL SURFACE AND EXTEND THE W.P. MEMBRANE OVER THE VERTICAL SURFACE 6" HIGH (MIN.).

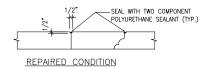
2. PROVIDE 3/4" X 3/4" COVE JOINT AT WALLS, CURBS AND COLUMNS.

3. THE GENERAL CONTRACTOR AND COATING APPLICATOR SHALL CAREFULLY REVIEW THE EXISTING VENTILATION SYSTEM WITHIN PARKING GARAGE AND ADJACENT/ATTACHED BUILDING PRIOR TO INSTALLATION OF WATERPROOFING MEMBRANE. THE EXISTING VENTILATION SYSTEM SHALL BE SUPPLEMENTED AS REQUIRED TO SAFELY REMOVE ALL FUMES GENERATED FROM THE COATING DURING APPLICATION.

APPROVED SYSTEMS SEE SPECIFICATIONS.

TRAFFIC BEARING WATERPROOFING MEMBRANE SYSTEM INSTALLATION





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REPAIR

EXISTING CONDITION

1. PRIOR TO ANY CRACK/JOINT REPAIR WORK, THE EXACT SCOPE OF CRACK/CONSTRUCTION JOINT REPAIRS SHALL BE DETERMINED BY AN INSPECTION ATTENDED BY THE CONTRACTOR AND ENGINEER. THE SURFACE SHALL BE SHOTBLASTED CLEAN FOR INSPECTION.

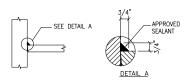
2. ROUT AND CLEAN ALL CRACKS AND CONSTRUCTION JOINTS IN DESIGNATED AREAS. REMOVE EXISTING DETERIORATED SEALANT MATERIAL, IF ANY, DIRT, DEBRIS, ETC. BY APPROVED METHODS. THE CRACKS/JOINTS SHALL BE ROUTED TO THE SHAPE OF A 1/2" X1/2" V-GROOVE CLEAN CONGRETE SUFFACES USING COMPRESSED AIR OR OTHER MEANS TO REMOVE DUST OR OTHER EXISTING FOREIGN MATERIAL WHICH WOULD IMPAIR THE BOND OF NEW SEALANT MATERIAL WHICH WOULD IMPAIR THE BOND OF NEW

3. PRIME THE SURFACES AND SEAL WITH APPROVED SEALANT MATERIAL.

4. PROHIBIT VEHICULAR TRAFFIC ON SEALED CRACKS/JOINTS UNTIL THE MATERIAL HAS CURED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

5. CONTRACTOR SHALL NOT REPAIR ANY PREVIOUSLY SEALED CRACKS/CONSTRUCTION JOINTS UNLESS DESIGNATED BY THE ENGINEER.

a CRACK/CONSTRUCTION JOINT REPAIR



(b) COVE JOINT INSTALLATION

MANUFACTURER APPROVED MATERIALS JOINT/CRACK SEALANTS - - - SEE SPECIFICATIONS

WABOSAFETYFLEX OR APPROVED EQUAL APPROVED EQUAL POST-TENSIONED SLAB POST-TENSIONED SLAB CONCRETE EXISTING EXPANSION JOINT GAP VARIES (A) DECK TO WALL INSTALLATION B DECK TO DECK INSTALLATION

NOTES:

1. REPLACEMENT AND REPAIR LOCATIONS SHALL BE VERIFIED/DESIGNATED IN THE FIELD BY THE ENGINEER.

SAFETYFLEX (OR APPROVED EQUAL) MATERIAL ONLY. THE CONTRACTOR SHALL INSPECT THE PREMESIS AND MAKE HIMSELF FAMILIAR WITH THE EXISTING CONDITIONS AND SCOPE PREMESIS PROFULED.

3. ALL REPAIRS SHALL BE PERFORMED STRICTLY IN ACCORDANCE WITH MANUFACTURERS ESTABLISHED PROCEDURES.

4. REPORT ANY UNANTICIPATED CONDITIONS TO THE ENGINEER FOR DISPOSITION. $\begin{tabular}{ll} \hline \end{tabular} \label{table_equation} % \begin{tabular}{ll} \hline \end{tabular} % \begin{tab$

DO NOT DAMAGE EMBEDDED PT TENDON, PT ANCHOR AND REINFORCING STEEL.

NOTE:
ANY CONDITION OF DETERIORATED CONCRETE OR
CORROSION-DAMAGED REINFORCING STEEL ALONG THE
EXPANSION JOINTS SHALL BE REPORTED/ APPROVED BY
THE ENGINEER PRIOR TO REPAIRS.

3 EXPANSION JOINT SEAL REPAIRS SCALE: NONE

ISSUE DETAILS

NOT FOR CONSTRUCTION

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