

AUTO SHOP
C1001

PARTIAL FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- A. EXISTING ROOM FLOOR FINISH IN PROJECT AREA IS PAINTED CONCRETE. (TYPICAL)
- B. EXISTING FURNITURE AND EQUIPMENT IN PROJECT AREA TO BE REMOVED BY OWNERS STAFF (V.I.F.) EQUIPMENT THAT REMAINS IN PROJECT AREA TO BE PROTECTED DURING CONSTRUCTION.
- C. PATCHING OF EXISTING FLOOR FINISH AND STRIPING TO BE BY OWNERS MAINTENANCE STAFF
- D. EXISTING VEHICLE EXHAUST SYSTEM IS BELIEVED TO BE A CAR-MON SYSTEM PER BUILDING CONSTRUCTION DRAWINGS DATED OCTOBER 1964. CONTRACTOR TO VERIFY IN FIELD CAPACITY OF EXISTING SYSTEM.

KEY NOTES

- 1 SAWCUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB AS REQUIRED TO INSTALL NEW VEHICLE EXHAUST UNDER SLAB BRANCH LINE. PATCH EXISTING SLAB AFTER INSTALL SEE DETAIL I ON A1.
- 2 EXISTING UNDER SLAB VEHICLE EXHAUST MAIN LINE ±20" CLAY PIPE TO REMAIN. (V.I.F.)
- 3 EXISTING VEHICLE EXHAUST PORT TO REMAIN. (V.I.F.)
- 4 PROVIDE NEW #8" UNDERGROUND SCHEDULE 40 PVC VEHICLE EXHAUST BRANCH LINE CONNECTED TO EXISTING CLAY MAIN LINE PIPE. INSTALL PVC WITH 1/8" PER FOOT SLOPE BACK TO EXISTING MAIN LINE. (V.I.F.)
- 5 PROVIDE NEW UNDER SLAB 4" VEHICLE EXHAUST PORT ASSEMBLY (COVER, EXTENSION AND SADDLE) (MODEL 04TR-4 BY CAR-MON PRODUCTS OR APPROVED EQUAL) COORDINATE WITH OWNER IF EXISTING HOSES WILL WORK WITH THIS NEW PORT.
- 6 EXISTING FLOOR STRIPING TO REMAIN. (V.I.F.)

CONCRETE SPECIFICATIONS

SECTION 03300 - CAST-IN-PLACE CONCRETE

1.1 SECTION REQUIREMENTS

- A. COMPLY WITH ASTM C 94; ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE"; ACI 117, "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS"; AND CRSI'S "MANUAL OF STANDARD PRACTICE."

1.2 MATERIALS

- A. DEFORMED REINFORCING BARS: ASTM A 45/A 45M, GRADE 60.
- B. PLAIN STEEL WIRE: ASTM A 82, AS DRAWN.
- C. STEEL WELDED-WIRE FABRIC: ASTM A 185, FLAT SHEETS NOT ROLLS.
- D. PORTLAND CEMENT: ASTM C 150, TYPE I OR II.
- E. AGGREGATES: ASTM C 93, UNIFORMLY GRADED.
- F. AIR-ENTRAINING ADMIXTURE: ASTM C 260.
- G. VAPOR RETARDER: REINFORCED POLYETHYLENE SHEET, ASTM E 1145, CLASS C.
- H. LIQUID MEMBRANE-FORMING CURING COMPOUND: ASTM C 309, CLEAR, TYPE I, CLASS B, WATERBORNE.
- I. JOINT-FILLER STRIPS: ASTM D 1751, CELLULOSIC FIBER.
- J. SEMIRIGID JOINT FILLER: TWO-COMPONENT SEMIRIGID 100 PERCENT SOLIDS, AROMATIC POLYUREA WITH A TYPE A SHORE DUREMETER HARDNESS RANGE OF 90 TO 95 IN ACCORDANCE WITH ASTM D2240.

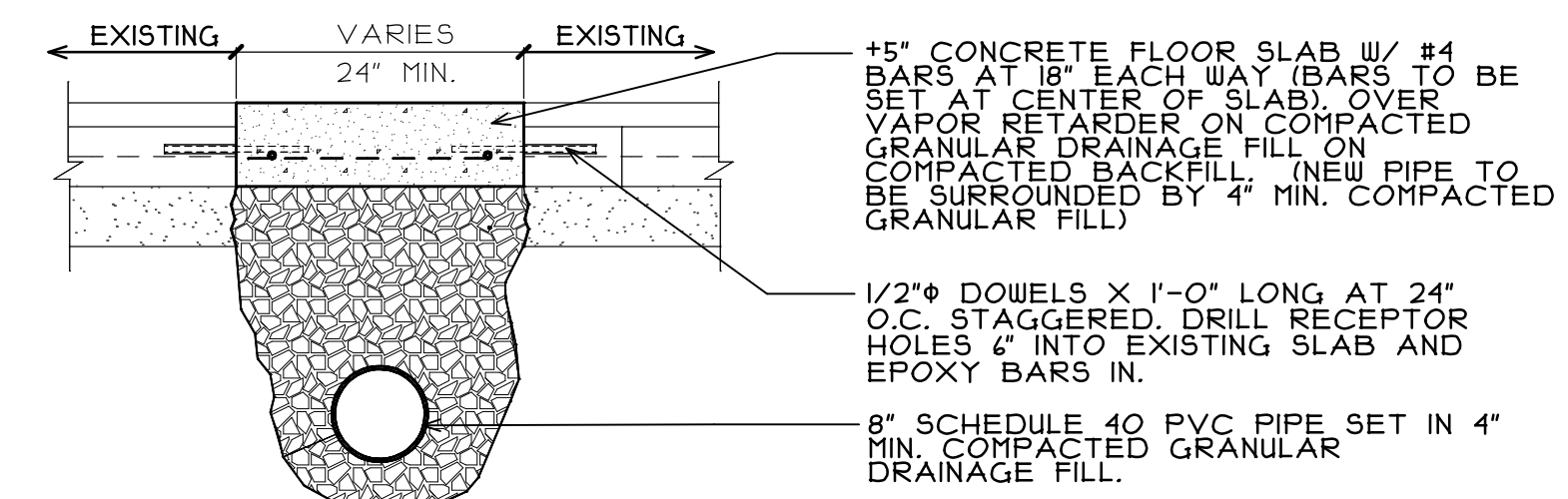
1.3 MIXES

- A. PROPORTION NORMAL-WEIGHT CONCRETE MIXES TO PROVIDE THE FOLLOWING PROPERTIES:
 - 1. MINIMUM COMPRESSIVE STRENGTH: 4000 PSI AT 28 DAYS.
 - 2. MAXIMUM W/C RATIO: 0.50, PORTLAND CEMENT ONLY (NO FLY ASH).
 - 3. SLUMP LIMIT: 4 INCHES, PLUS OR MINUS 1 INCH.
 - 4. AIR CONTENT: DO NOT ALLOW AIR CONTENT OF TROWEL-FINISHED FLOORS TO EXCEED 3 PERCENT.

1.4 CONCRETING

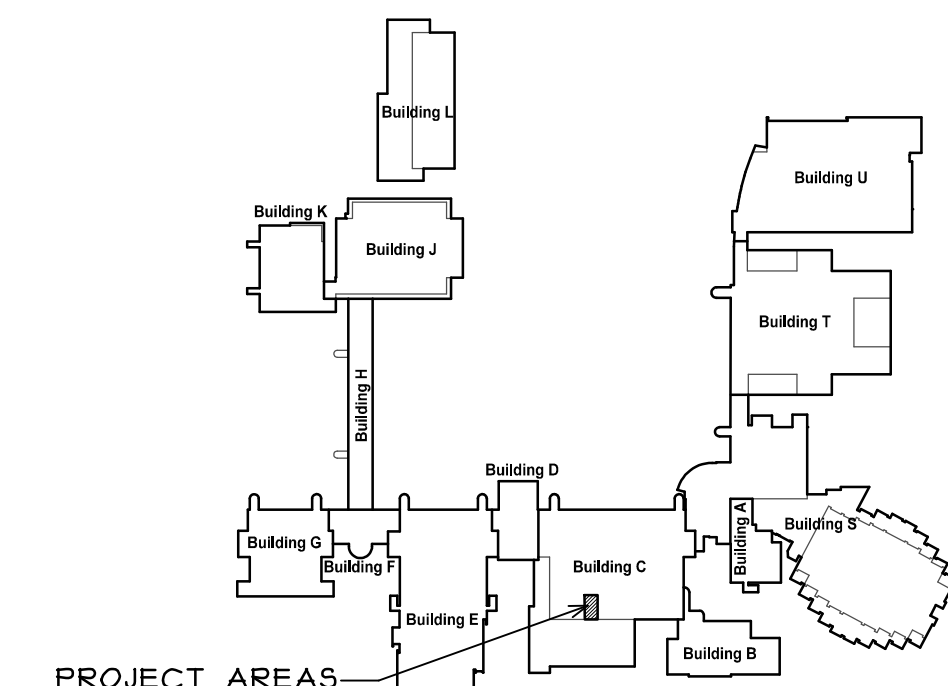
- A. CONSTRUCT FORMWORK AND MAINTAIN TOLERANCES AND SURFACE IRREGULARITIES WITHIN ACI 117 LIMITS OF CLASS A FOR CONCRETE EXPOSED TO VIEW AND CLASS C FOR OTHER CONCRETE SURFACES.
- B. PLACE VAPOR RETARDER ON PREPARED SUBGRADE, WITH JOINTS LAPPED 6 INCHES AND SEALED.
- C. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT.
- D. INSTALL CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS WHERE INDICATED. INSTALL FULL-DEPTH JOINT-FILLER STRIPS AT ISOLATION JOINTS.
- E. PLACE CONCRETE IN A CONTINUOUS OPERATION AND CONSOLIDATE USING MECHANICAL VIBRATING EQUIPMENT.
- F. PROTECT CONCRETE FROM PHYSICAL DAMAGE, PREMATURE DRYING, AND REDUCED STRENGTH DUE TO HOT OR COLD WEATHER DURING MIXING, PLACING, AND CURING.
- G. SLAB FINISHES: TROWELED FINISH FOR FLOOR SURFACES AND FLOORS TO RECEIVE FLOOR COVERINGS, PAINT, OR OTHER THIN FILM-FINISH COATINGS.
- H. BEGIN CURING CONCRETE SLABS AFTER FINISHING. APPLY MEMBRANE-FORMING CURING COMPOUND TO CONCRETE.
- I. PROTECT CONCRETE FROM DAMAGE. REPAIR SURFACE DEFECTS IN FORMED CONCRETE AND SLABS.
- J. REPAIR SLABS NOT MEETING SURFACE TOLERANCES BY GRINDING HIGH AREAS AND BY APPLYING A REPAIR UNDERLAYMENT TO LOW AREAS RECEIVING FLOOR COVERINGS AND A REPAIR TOPPING TO LOW AREAS TO REMAIN EXPOSED.
- K. INSTALL SEMIRIGID JOINT FILLER FULL DEPTH IN SAW-CUT JOINTS AND AT LEAST 2 INCHES DEEP IN FORMED JOINTS.

END OF SECTION 03300



DETAIL AT CONCRETE FLOOR SLAB PATCH
NO SCALE

NOTE:
GENERAL CONTRACTOR TO PROVIDE A \$5,000 ALLOWANCE IN HIS/HER BID FOR UNFORESEEN/MISCELLANEOUS CONDITIONS. WHEN FIGURING THIS ALLOWANCE IN THE BID, THE CONTRACTOR IS TO INCLUDE ALL NECESSARY OVERHEAD AND PROFIT TO CARRY THIS DOLLAR VOLUME. THIS ALLOWANCE IS NOT FOR THE CONTRACTOR'S BENEFIT, AND IS ONLY AUTHORIZED TO CHARGE AGAINST THIS ALLOWANCE WHEN DIRECTED AND APPROVED BY JOLIET JUNIOR COLLEGE. THE CONTRACTOR WILL BE ALLOWED TO INVOICE FOR DIRECT MATERIAL AND RAW LABOR COSTS ONLY.



KEY PLAN
SCALE: N.T.S.

NORTH
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REGISTRATION

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NUMBER

SET

AUTO SHOP EXHAUST DUCT EXTENSION
JOLIET JUNIOR COLLEGE - BUILDING C
1215 HOUBOLT ROAD
JOLIET, ILLINOIS

DATE: 10/19/2021
REVISED:

PROJECT NO.
2110-03

SHEET NUMBER

A1

OF 2 SHEETS

\\192.168.1137\CURRENT PROJECTS\13-JC-AUTO SHOP EXHAUST DUCT EXTENSION\DRAWINGS\ARCH\211003 A1AEC