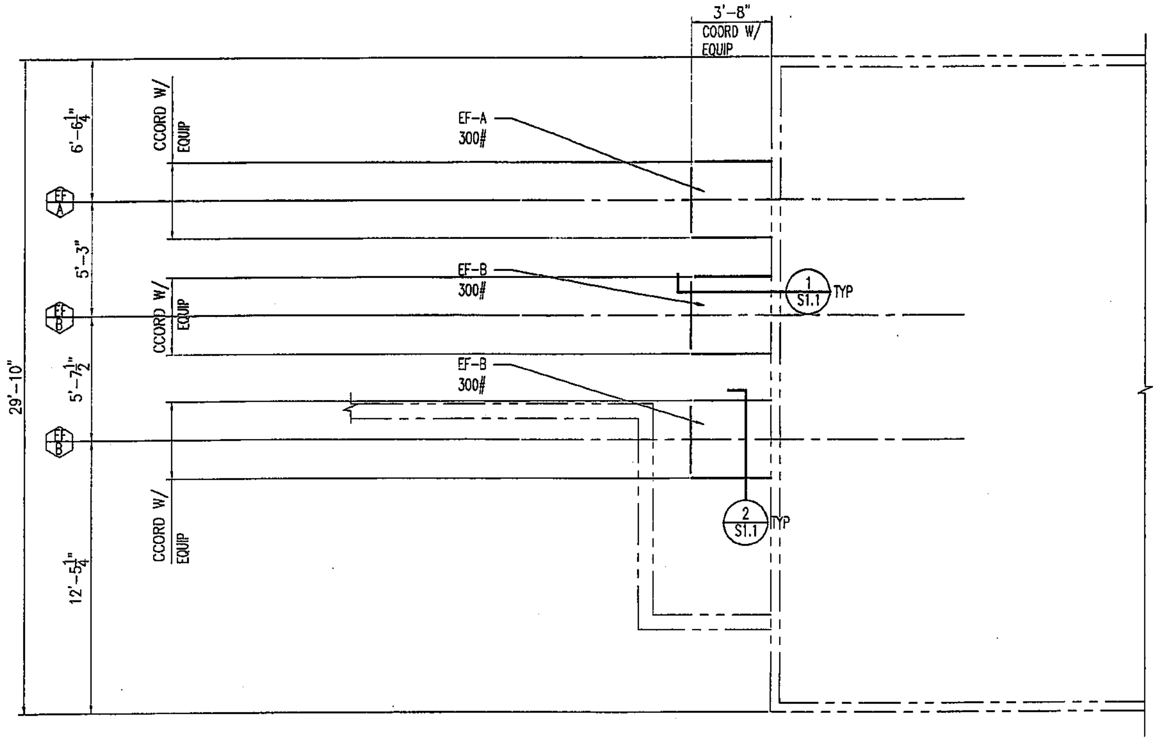
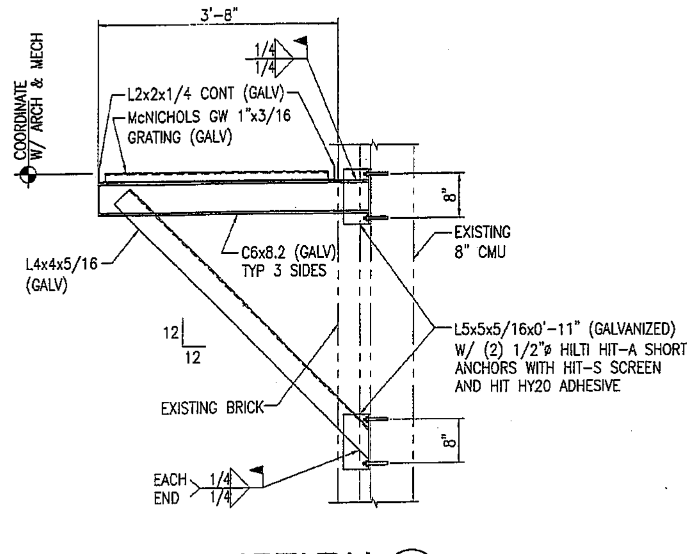


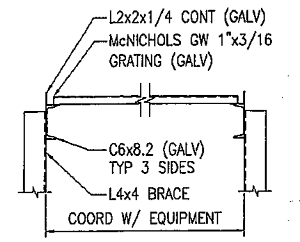
MECHANICAL BRACKET PLAN

SCALE: 1/4"=1'-0"



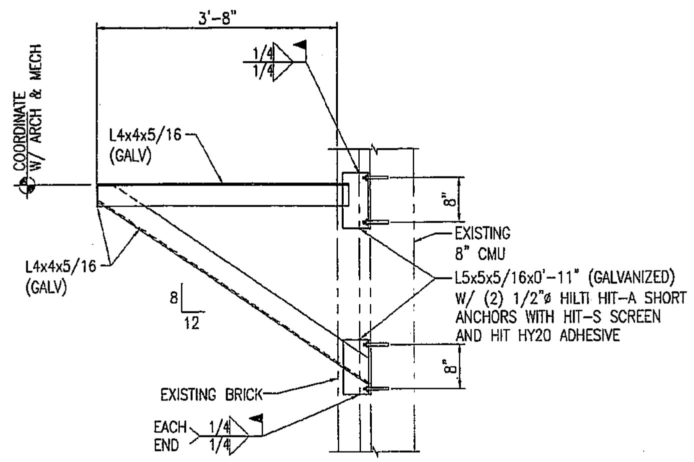
SECTION (1/S1.1)

SCALE: 3/4"=1'-0"



SECTION (2/S1.1)

SCALE: 3/4"=1'-0"



TYPICAL DUCT SUPPORT PLATFORM

(FOR LOCATION, SEE MECH DRAWINGS)

1. GENERAL NOTES:

1. GENERAL BUILDING CODE: IBC, 2003 EDITION
2. STRUCTURAL STEEL:
   SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN, NINTH EDITION, JUNE 1, 1989, AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
3. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE DRAWINGS OF OTHER CONSULTANTS AND TRADES. THE CONTRACTOR SHALL COORDINATE THE VARIOUS REQUIREMENTS.
4. CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO FABRICATION/CONSTRUCTION. THE STRUCTURAL ENGINEER AND ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO FABRICATION/CONSTRUCTION.

2. STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL: ASTM A36, UNLESS NOTED.
2. WELDED CONNECTIONS: E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16".

3. ADHESIVE ANCHOR NOTES:

1. FIELD DRILLED ADHESIVE ANCHORS SHALL BE HILTI ANCHORS AS MANUFACTURED BY HILTI, INC., TULSA, OKLAHOMA.
2. ADHESIVE ANCHORS OF THE DIAMETER AND EMBEDMENT SHOWN ON THE DRAWINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CURRENT INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS REPORT FOR THE BOLT, AND THE RECOMMENDATIONS OF THE MANUFACTURER. WHERE PROVISIONS OF THE ABOVE REFERENCED DOCUMENTS ARE IN CONFLICT, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN.
3. ADHESIVE ANCHORS SHALL BE INSTALLED PERPENDICULAR TO THE FACE OF THE CONCRETE BEING DRILLED. THE MAXIMUM TOLERANCE FOR DEVIATION FROM PERPENDICULAR SHALL BE 10 DEGREES. ALL ADHESIVE ANCHORS INSTALLED OUTSIDE OF THE SPECIFIED TOLERANCE SHALL BE CONSIDERED UNACCEPTABLE.
4. THE CONTRACTOR SHALL CREATE A TEMPLATE AT EACH ADHESIVE ANCHOR CONNECTION LOCATION PRIOR TO FABRICATION HOLES IN CONNECTION PLATES. TEMPLATES SHALL BE MADE BY LOCATING EXISTING MILD STEEL REINFORCING WITH TESTING EQUIPMENT AND LOCATING ADHESIVE ANCHOR HOLES SUCH THAT NO CONFLICTS EXIST WITH THE EXISTING REINFORCING. ADHESIVE ANCHOR LOCATIONS IN THE FIELD MAY BE RELOCATED A MAXIMUM OF 1 ½" FROM THE DIMENSIONS SHOWN ON THE DRAWINGS TO AVOID CONFLICTS WITH THE EXISTING REINFORCING STEEL. DO NOT MOVE ANY ADHESIVE ANCHOR CLOSER TO THE EDGE OF A MEMBER THAN SHOWN ON THE DRAWINGS.
5. DRILL HOLES WITH BITS AND HAMMERS APPROVED BY HILTI, INC. FOR THE ADHESIVE ANCHOR BEING INSTALLED.
6. CLEAN ALL HOLES THAT RECEIVE ADHESIVE ANCHORS.
7. ALL ABANDONED HOLES DRILLED IN THE CONCRETE SHALL BE FILLED WITH NON-SHRINK EPOXY GROUT.
8. IF LARGE DIAMETER HOLES OR SLOTTED HOLES ARE USED FOR ERECTION PURPOSES, THE CONTRACTOR MUST PROVIDE PLATE WASHERS. PLATE WASHERS MUST BE WELDED TO THE CONNECTION PLATE TO TRANSFER THE SPECIFIED LOAD.
9. SPECIAL INSPECTOR'S SHALL KEEP RECORDS OF ALL INSPECTIONS AND TESTING. THE
10. INSTALLATION OF ADHESIVE ANCHORS SHALL BE OBSERVED BY TESTING AGENCY.
    OBSERVATIONS SHALL BE MADE TO CONFIRM THE FOLLOWING FOR EACH ADHESIVE ANCHOR:
    A) EXISTING REINFORCING WAS LOCATED AROUND THE PROPOSED BOLT HOLES AND DOES NOT CONFLICT WITH THE ADHESIVE ANCHORS.
    B) LOCATION OF BOLT HOLES ARE AS INDICATED ON THE DRAWINGS.
    C) HOLE DRILLING TECHNIQUES, SIZE AND DEPTH ARE AS RECOMMENDED BY THE MANUFACTURER AND THE CURRENT ICBO REPORT.
    D) REINFORCING IN THE EXISTING CONCRETE WAS NOT DAMAGED BY DRILLING OPERATIONS.
    E) ADHESIVE ANCHOR SIZE AND LENGTH ARE PER THE DRAWINGS.
    F) FINAL TORQUING OF THE ADHESIVE ANCHOR IS PER THE MANUFACTURER'S RECOMMENDATIONS AND THE CURRENT ICBO REPORT.
    G) PROVIDE COPIES OF EACH DAY'S REPORT TO THE ARCHITECT.
11. THE HILTI REPRESENTATIVE SHALL BE PRESENT TO OBSERVE THE INSTALLATION OF THE FIRST SET OF ADHESIVE ANCHORS TO VERIFY THAT THE INSTALLATION PROCEDURE MEETS THE MANUFACTURER'S RECOMMENDATIONS.

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Jefferson State Community College

SCIENCE LAB RENOVATION AT CARSON HALL BUILDING
BIRMINGHAM, AL

D7-002

ALABAMA REGISTERED No. 21338 PROFESSIONAL ENGINEER
9/12/07

issue	date
CONSTRUCTION DOCUMENTS	09.12.07
drawn by:	MG

GENERAL NOTES, SECTIONS AND MECH BRACKET PLAN

S1.1

sheet of [redacted]