Wayne State University
ENGINEERING RESEARCH LABS - PHASE THREE

PROJECT NO. 090-250890
ISSUE: 100% BID ISSUE 01-29-16

OWNER: WAYNE STATE UNIVERSITY
Design & Construction Services
5454 Cass Avenue
Detroit, Michigan 48202

PROJECT LOCATION: Engineering Building
Room No. 2319, 2327, 2335 and Suite 2404
5050 Anthony Wayne
Detroit, Michigan 48202

ARCHITECT: IDesign Solutions
2531 Ridge Road, Suite 100
White Lake, MI 48383
Tel: 248.440.7310
www.iDesign-Solutions.info

MECH / ELECT ENGINEER: MAEngineering
200 E. Brown Street
Birmingham, MI 48009
Tel: 248.238.1610
www.moe-engineering.com

Alternate No. 1: Existing ACT Ceiling System to remain in Room 2404
Alternate No. 2: Existing emergency shower and eyewash to remain in Lab 2335
Alternate No. 3: (1) Existing fume hood to remain and (1) fume hood to be a standard hood with polypropylene liner in Lab 2335
Alternate No. 4: New Exhaust fans for (2) new fume hoods in Lab 2335

Project Location: WAYNE STATE UNIVERSITY
ENGINEERING BUILDING
5050 ANTHONY WAYNE
DETROIT, MICHIGAN 48201

PROJECT: 656 WEST KIRBY STREET, DETROIT, MI 48202

090-250890
Partial 2nd Floor Demo Plans

Demolition Plan - "A" Area

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

Partial 2nd Floor

Demolition Plan - "C" Area ALTERNATE 1

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

Partial 2nd Floor

Demolition Plan - "C" Area BASE BID

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

Partial 2nd Floor

Demolition Plan - "A" Area

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

Wayne State University

Engineering Building

2nd Floor Phase 3 Renovation

Drawing No.: 090-2508890

Issue Date: 12/07/15

50% Review: 12/18/15

100% Review: 01/29/16

Pre-Liminary: 11/16/15

Preparation: 12/07/15

Prepared by: LAC

Technical: LAC

Coordination: LAC

Drawn by: LAC, RLB, CTW

Approved by: LAC

Wayne State University

Engineering Building

5050 Anthony Wayne Drive

Detroit, MI 48201

Contact: Mark Gibbons

scale: 1/4"=1'-0"
Partial 2nd Floor Demo Plan

Demolition - "B" Area

- Alternate No. 2: Existing emergency shower and eyewash to remain in Lab 2335
- Alternate No. 3: (1) Existing fume hood to remain and (1) fume hood to be a standard hood with polypropylene liner in Lab 2335
- Alternate No. 4: New Exhaust fans for (2) new fume hoods in Lab 2335
Partial 2nd Floor New Work Plan
Architectural Plan - "B" Area

Alteration No. 4: Existing emergency shower and eyewash to remain in Lab 2335
Alteration No. 5: (1) Existing fume hood to remain and (1) fume hood to be a standard hood with polypropylene liner in Lab 2335
Alteration No. 6: New Exhaust fans for (2) new fume hoods in Lab 2335

(1156-5: iDesign project number)

WAYNE STATE UNIVERSITY ENGINEERING BUILDING
5050 ANTHONY WAYNE DR.
DETROIT, MICHIGAN 48201
CONTACT: MARK GIBBONS

iDesign Solutions, LLC
Scientific Facilities & Laboratory Design
2531 Ridge Road, Suite 100
White Lake, MI 48383
248-440-7310
info@iDesign-Solutions.info
www.iDesign-Solutions.info

Partial 2nd Floor New Work Plan
Architectural Plan - "B" Area

Alteration No. 4: Existing emergency shower and eyewash to remain in Lab 2335
Alteration No. 5: (1) Existing fume hood to remain and (1) fume hood to be a standard hood with polypropylene liner in Lab 2335
Alteration No. 6: New Exhaust fans for (2) new fume hoods in Lab 2335

(1156-5: iDesign project number)
Alternate No. 2: Existing emergency shower and eyewash to remain in Lab 2335.

Alternate No. 3: (1) Existing fume hood to remain and (1) fume hood to be a standard hood with polypropylene liner in Lab 2335.

Add Alternate No. 4: New exhaust fans for (2) new fume hoods in Lab 2335.
WAYNE STATE UNIVERSITY
ENGINEERING BUILDING
5050 ANTHONY WAYNE DR.
DETROIT, MICHIGAN 48201
CONTACT: MARK GIBBONS

Drawing: 090-250890
Sheet: FP101

Partial 2nd Floor Plan
Fire Protection Plan - "A" Area

Partial 2nd Floor Plan
Fire Protection Plan - "C" Area

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

Project Location:
656 West Kirby Street, Detroit, MI 48202

090-250890
12/07/15
50% OWNER REVIEW
12/18/15
100% OWNER REVIEW
01/29/16
100% BID ISSUE

FP101
Fire Protection Plan - "A" and "C" Area

Engineering Building
2nd Floor
Phase 3 Renovation
Partial 2nd Floor Plan

Electrical Demolition Plan - Area "C"

Partial 2nd Floor Plan

Electrical Demolition Plan - Area "A"
PANELBOARD: RP-EN3 EXISTING CONDITION
MOUNTING: AS INDICATED
VOLTAGE: 208Y/120V, 3 PHASE, 4 WIRE + G
MAIN: 100 A MCB
LOCATION: RM 2404

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<th>Circ Breaker Connected Watts</th>
<th>No Pole Trip</th>
<th>Location Description</th>
<th>Code</th>
<th>Phase A</th>
<th>Phase B</th>
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ELC Connect KW: 2
ELC Connect Amps: 4
Phase Watts: 540 540 540
DEMAND KW: 2
DEMAND Amps: 4
6% Loaded

PANELBOARD: RP-EN3 NEW WORK
MOUNTING: AS INDICATED
VOLTAGE: 208Y/120V, 3 PHASE, 4 WIRE + G
MAIN: 100 A MCB
LOCATION: RM 2404

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