Wayne State University Cohn Building Student Commons

5557 Cass Ave, Detroit, MI 48202

Issued for Permits and Bids - October 31, 2019 WSU Project Number: 048-291367

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Engineers Scientists Architects Constructors

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DRAWING INDEX

LIFE SAFETY PLAN FLOOR FINISH PLANS THIRD FLOOR POWER AND SYSTEMS PLAN

GENERAL ABBREVIATIONS

DIAMETER

DS DOWNSPOUT

DN

AFF ABOVE FINISHED FLOOR AHU AIR HANDLING UNIT **ALUMINUM** ALTERNATE BARRIER FREE CONTROL JOINT CENTERLINE CURTAINWALL CLG CEILING CMU CONCRETE MASONRY UNIT CO CLEANOUT CONC CONCRETE CONST CONSTRUCTION CONT CONTINUOUS

EXHAUST FAN ELEVATION EXPANSION JOINT EWC ELECTRIC WATER COOLER LLH FLOOR DRAIN FIRE RETARDANT TREATED LP FOOT/FEET GUAGE/GAGE GALV GALVANIZED GENERAL CONTRACTOR HOSE BIBB HIGH POINT HORIZ HORIZONTAL HVAC HEATING VENTILATING AIR

CONDITIONING

INSIDE DIAMETER

INVERT ELEVATION

IMP INSULATED METAL PANEL

INSUL INSULATION LAV LAVATORY LIGHT EMITTING DIODE LONG LEG HORIZONTAL LLV LONG LEG VERTICAL MFR MANUFACTURER MAX MAXIMUM MEZZ MEZZANINE MIN MINIMUM MASONRY OPENING MTD MOUNTED NOISE CRITERIA NOT IN CONTRACT

NO NUMBER

COEFFICIENT NOT TO SCALE ON CENTER **OUTSIDE DIAMETER** OD OVERHEAD OPPOSITE

SGT STRUCTURAL GLAZED TILE

UL UNDERWRITER'S LABORATORY

UNO UNLESS NOTED OTHERWISE

VTR VENT THROUGH ROOF

WH WATER HEATER

WP WEATHERPROOF

SP SPACE/SPACING

SS STAINLESS STEEL

STD STANDARD

TAN TANGENT

VERT VERTICAL

W/O WITHOUT

WT WEIGHT

TYP TYPICAL

OPP ORD OVERFLOW ROOF DRAIN OS OUTSIDE PERP PERPENDICULAR PL PLATE POUNDS PER SQUARE FOOT WC WATER CLOSET PVC POLYVINYL CHLORIDE RADIUS REQD REQUIRED RD ROOF DRAIN SCH SCHEDULE

SQUARE FOOT

PROJECT INFORMATION

SCOPE OF WORK

GENERAL CONTRACTING CONTRACT FURNITURE, FURNISHINGS, AND EQUIPMENT CONTRACT FOR THE PROCURMENT AND INSTALLATION OF THE FURNITURE PACKAGE SPECIFIED IN

THE RESPONSIBILITY OF EACH CONTRACT; OWNER, GENERAL CONTRACTOR, AND FURNITURE VENDOR IS DEFINED UNDER SECTION 011100

PROJECT NOTES

- 1. IN CASE OF A DIMENSIONAL QUESTION OR DISCREPANCY. SUBMIT A **ENTRANCES TO CONSTRUCTION SITES**
- SUBMIT ALL CHANGE ORDERS TO PROJECT MANAGER AND SECURE PROJECT MANAGER'S APPROVAL PRIOR TO THE COMMENCEMENT OF

PROJECT SEQUENCING

THE PROJECT IS INTENDED TO BE COMPLETED IN ONE PHASE

PROJECT DIRECTORY

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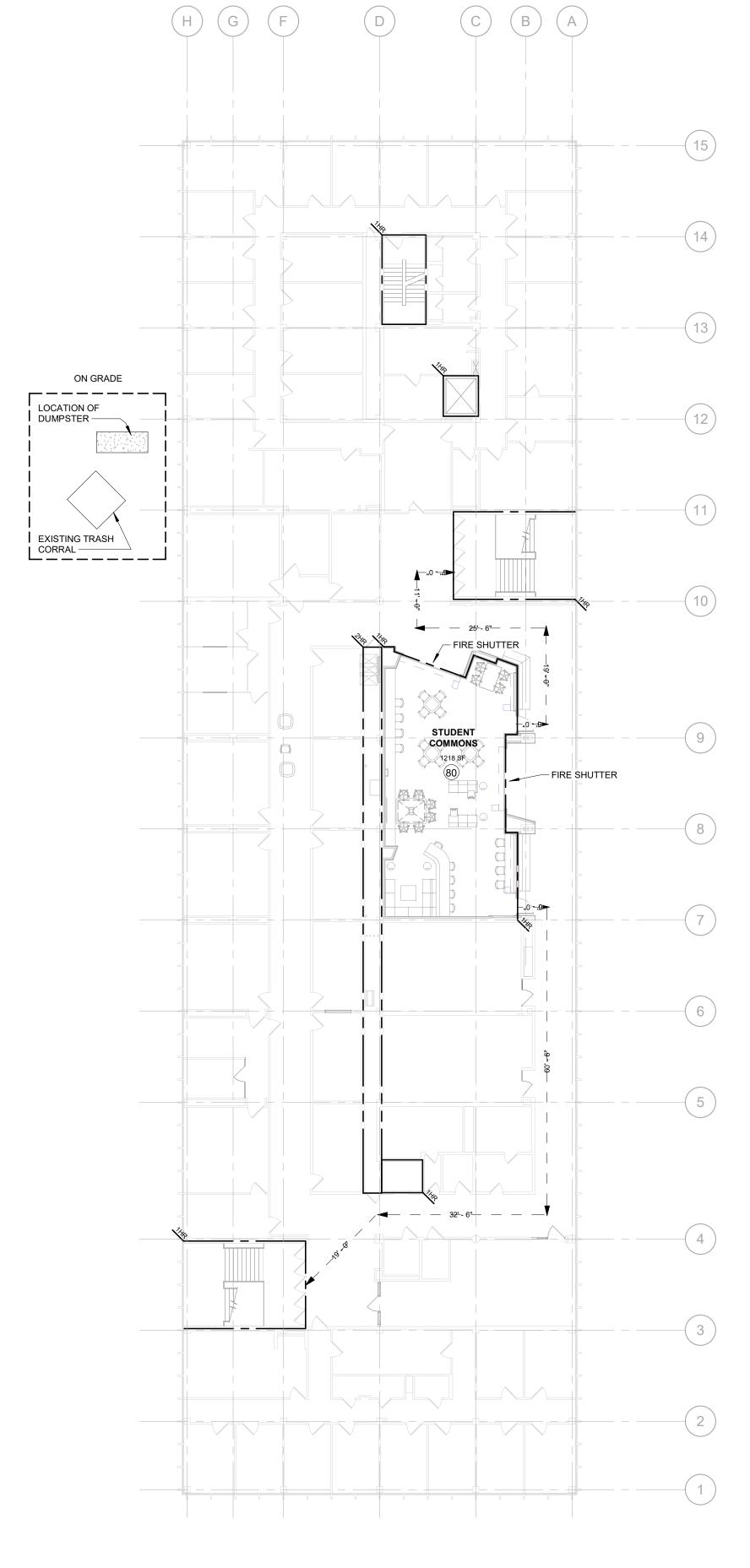
Designer Reviewer

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> PROJECT NO. 190812

COVER SHEET

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BUILDING CODE INFORMATION

THE DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE FOLLOWING CODES, NOTIFY THE ARCHITECT OF ANY CONFLICTS

2012 NFPA 101 LIFE SAFETY CODE 2015 MICHIGAN REHABILITATION CODE (AS AMENDED) - Chapters 7 & 8

2015 MICHIGAN MECHANICAL CODE (AS AMENDED)

ANSI/ASHRAE/IESNA STANDARD 90.1-2007 (AS AMENDED)

2015 MICHIGAN PLUMBING CODE (AS AMENDED) 2017 NATIONAL ELECTRIC CODE (NEC) (AS AMENDED - MICHIGAN AMENDMENTS PART 8 RULES) 2015 MICHIGAN ENERGY CODE INTERNATIONAL ENERGY CONSERVATION CODE - 2009, SECTION 501.1

2015 INTERNATIONAL FIRE CODE BARRIER FREE REQUIREMENTS:

AMERICANS WITH DISABILITIES ACT (ADA) MBC-2015, CHAPTER 11 ICC A117.1-2009, EXCEPT SECTIONS 611 & 707

CLASSIFICATION OF WORK

CLASSIFICATION TYPE (MRC-CHAPTER 5) LEVEL 2 ALTERATIONS INCLUDE THE RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE

BUILDING USE GROUP **BUILDING USE**

INSTALLATION OF ANY ADDITIONAL EQUIPMENT.

(MBC-SEC: 304)

CODE SECTION (INCL. AMENDMENTS)

MIXED USE NON-SEPARATED: B - BUSINESS / A-3 - ASSEMBLY

TYPE OF CONSTRUCTION

CONSTRUCTION TYPE: II-A (ASSUMED) NON-SPRINKLERED

(MBC-SEC: 602) TYPÈ II (III) (ASSUMED) NON-SPRINKLERED (NFPA: 7.2.1.1)

FIRE RESISTANCE RATINGS OF STRUCTURAL ELEMENTS

<u>ITEM</u>	RATING (HOURS)	UL NO.	REMARKS
STRUCTURAL FRAME	1	EXISTING	(TABLE 601)
BEARING WALLS - EXT. INT.	1 1	EXISTING EXISTING	(TABLE 601) (TABLE 601)
NONBEARING WALLS - EXT. INT.	0 0	EXISTING EXISTING	(TABLE 601) (TABLE 601)
FLOOR CONSTRUCTION	1	EXISTING	(TABLE 601)
ROOF CONSTRUCTION	1	EXISTING	(TABLE 601)
SHAFT ENCLOSURES	2	EXISTING	(SEC. 713.4)
STAIR ENCLOSURES	1	EXISTING	(SEC. 1023.2)
CORRIDOR WALLS IN AREA OF RENOVATION	1	U419	(NFPA 8.3.3.11)

OCCUPANCY

OCCUPANT LOAD:

2012 NFPA 101 LIFE SAFETY CODE, TABLE 7.3.1.2 2015 MICHIGAN BUILDING CODE, TABLE 1004.1.2

ASSEMBLY UNCONCENTRATED (TABLES AND CHAIRS)1 / 15 NET (IN AREA OF RENOVATION)

CURRENT BUILDING OCCUPANCY (ASSUMED): GROUND FLOOR: 208 OCC FIRST FLOOR: 209 OCC

SECOND FLOOR: 209 OCC THIRD FLOOR: 209 OCC
TOTAL: 835 OCC

> OCCUPANTS ADDED BY RENOVATION: GROUND FLOOR: 0 OCC FIRST FLOOR: 0 OCC SECOND FLOOR: 0 OCC THIRD FLOOR: 63 OCC
> TOTAL: 63 OCC

PROPOSED BUILDING OCCUPANCY INCLUDING REOVATION:

GROUND FLOOR: 208 OCC FIRST FLOOR: SECOND FLOOR: 209 OCC THIRD FLOOR: TOTAL:

THE PROPOSED BUILDING OCCUPANCY HAS INCREASED BY 7.5%

PLUMBING FIXTURE REQUIREMENTS:

PER THE MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS, SECTION 810 MINIMUM FIXTURES. WHERE THE OCCUPANT LOAD OF THE STORY IS INCREASED BY MORE THAN 20 PERCENT, PLUMBING FIXTURES FOR THE STORY SHALL BE PROVIDED IN QUANTITIES SPECIFIED IN THE INTERNATIONAL PLUMBING CODE BASED ON INCREASED OCCUPANT LOAD.

PROJECT COMPLIES: NO MODIFICATIONS TO THE PLUMBING FIXTURE COUNT IS

MEANS OF EGRESS IN WORK AREAS:

A MINIMUM OF TWO MEANS OF EGRESS ARE PROVIDED FROM ALL RENOVATION AREAS.

COMMON PATH OF TRAVEL: 75' WITHOUT SPRINKLERS (TABLE 1006.2.1) PROJECT COMPLIES (MBC) (NFPA) EXIT ACCESS TRAVEL DISTANCE: 200' WITHOUT SPRINKLERS (TABLE 1017.2)

EGRESS COMPONENTS WITHIN THE WORK AREA (TABLE 1005.3)

OCCUPANCY 80 STAIRWAYS 0.3"

AREA OF RENOVATION: 80 PEOPLE x 0.2"/PERSON = 16 INCHES

PROVIDED: 2 DOORS @ 33 INCHES CLEAR = 66 INCHES THIRD FLOOR: 272 PEOPLE x 0.2"/PERSON = 54.4 INCHES

PROJECT COMPLIES

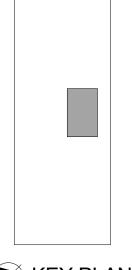
PROVIDED: 10 DOORS @ 33 INCHES CLEAR = 330 INCHES FIRST THRU THIRD FLOOR: 690 PEOPLE x 0.3"/PERSON = 207 INCHES (44 MIN.)

PROVIDED: 2 STAIR @82 INCHES CLEAR = 164 INCHES 1 STAIR @44 INCHES CLEAR = 44 INCHES

TOTAL: 208 INCHES - PROJECT COMPLIES

LIFE SAFTEY KEY

-	
	1-HOUR WALL
	2-HOUR WALL
#)	OCCUPANT COUNT
4 — —33' - 3"- — —	TRAVEL DISTANCE



OTHER COMPONENTS 0.2"

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190812

LIFE SAFETY PLANS

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ALL WALLS TO BE FACED WITH PLASTIC LAMINATE (PL1) UNLESS NOTED OTHERWISE.

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Reviewer WTB Manager VJM

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> 190812 FLOOR FINISH PLANS

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KEY PLAN
NORTH



LVT1

PLANK DIRECTION

C5

C5

C5

C5

LVT1

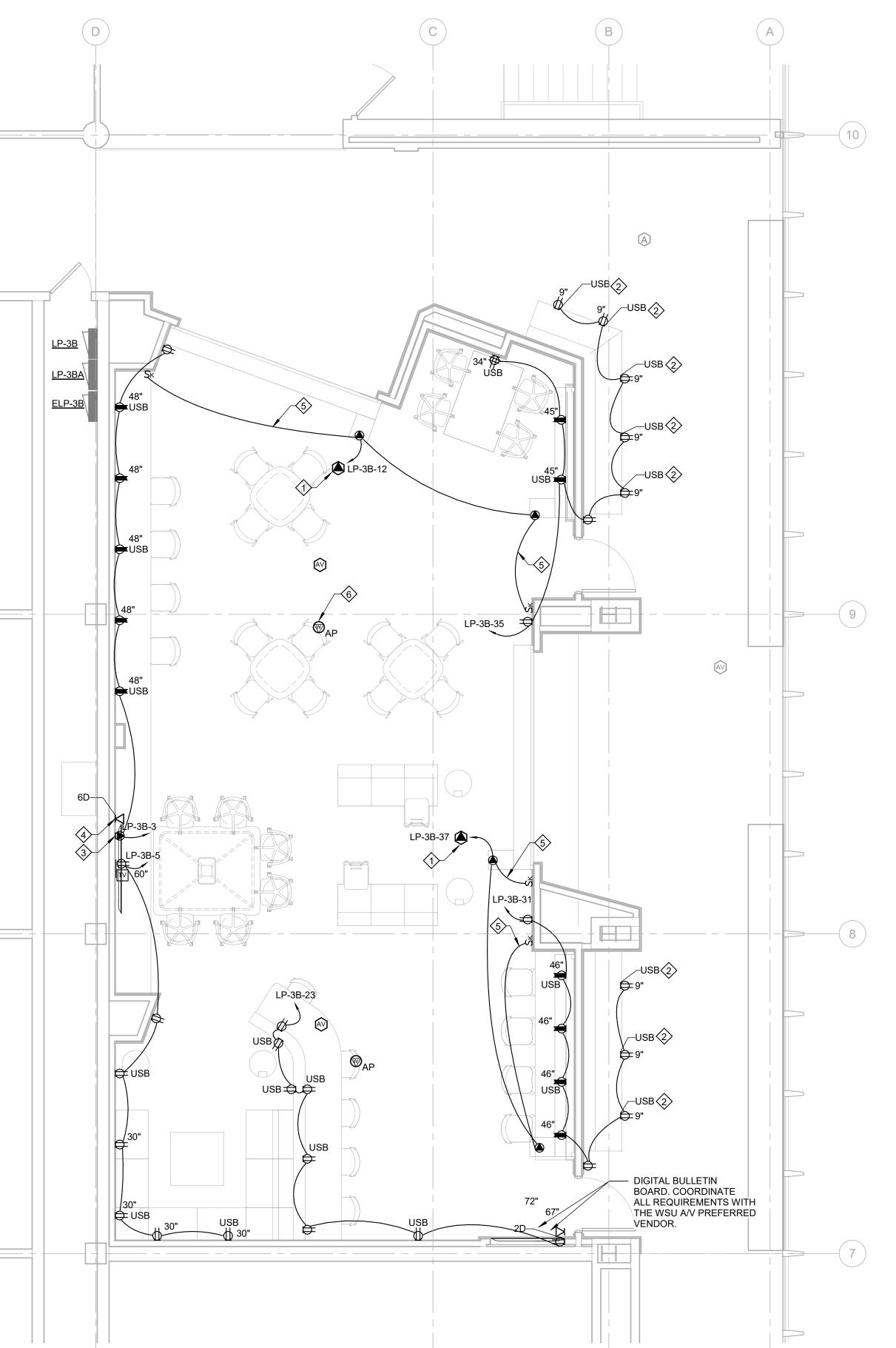
PLANK DIRECTION

LVT1

C5

	WIRING DEVICES - MANUAL POWER SWITCH SCHEDULE							
SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NO.	REMARKS				
Sĸ	KEYED MANUAL SWITCH	PROVIDED BY FIRE SHUTTER MANUFACTURER						

WIRING DEVICES - RECEPTACLE SCHEDULE							
SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NO.	REMARKS			
\oplus	DUPLEX RECEPTACLE	HUBBELL	HBL5362I	MOUNT 18" AFF, UNO			
—	DUPLEX RECEPTACLE (ABOVE COUNTER)	HUBBELL	HBL5362I	MOUNT HORIZONTALLY ABOVE COUNTER; 2-INCHES ABOVE BACKSPLASH, UNO			
USB	DUPLEX RECEPTACLE WITH TWO USB CHARGING PORTS	HUBBELL	USB8300I	MOUNT 18" AFF, UNO			
USB	DUPLEX RECEPTACLE WITH TWO USB CHARGING PORTS (ABOVE COUNTER)	HUBBELL	USB8300I	MOUNT HORIZONTALLY ABOVE COUNTER; 2-INCHES ABOVE BACKSPLASH, UNO			
USB	DOUBLE DUPLEX RECEPTACLE WITH FOUR USB CHARGING PORTS	HUBBELL	(2) USB8300I	MOUNT AT 18" AFF, UNO			
⊕ ⊵	2-GANG RECESSED WALL BOX FOR VIDEO MONITOR POWER AND DATA WITH DUPLEX RECEPTACLE	LEGRAND WIREMOLD	EFSB2	MOUNT AT 18" AFF, UNO; PROVIDE (1) HUBBELL #HBL5362I DUPLEX RECEPTACLE			



NOTES

- REFER TO DRAWING E001 FOR THE ELECTRICAL GENERAL NOTES AND REQUIREMENTS.
- CIRCUIT NUMBERS ARE SHOWN FOR GROUPING PURPOSES ONLY. UTILIZE CIRCUITS MADE AVAILABLE THROUGH DEMOLITION OR SPARE CIRCUIT BREAKERS. ALL BRANCH CIRCUIT WIRING SHALL BE NEW.
- 3. PROVIDE WIRING DEVICE COVERPLATE SAMPLES FOR REVIEW DURING THE SHOP DRAWING SUBMITTAL PROCESS.
- 4. ALL DATA CABLING AND ASSOCIATED RACEWAYS SHALL BE INSTALLED PER WAYNE STATE STANDARDS FOR COMMUNICATIONS INFRASTUCTURE 29 JULY 2019.

- 1 FIRE ALARM CONTROL MODULE TO RELEASE FIRE SHUTTERS UPON FIRE ALARM ACTIVATION.
- 2 MOUNT HORIZONTALLY IN THE VERTICAL PORTION OF THE BENCH.
- 3 POWER FEED FOR FURNITURE "D" TABLE, REFER TO THE CONNECTRAC DETAIL ON E501.
- 4 LOW VOLTAGE FEED FOR FURNITURE "D" TABLE. REFER TO THE CONNECTRAC DETAIL ON E501.
- 5 4#12, #12 GRD, 3/4"C.
- 6 RELOCATED WIRELESS ACCESS POINT.

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Designer JAM

Reviewer RMM

Manager VJM

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PROJECT NO.

190812
THIRD FLOOR POWER AND SYSTEMS PLAN

E201

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NORTH KEY PLAN



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NORTH

THIRD FLOOR POWER AND SYSTEMS PLAN
SCALE: 1/4" = 1'-0"