

WAYNE STATE UNIVERSITY

Facilities Planning & Management - Design & Construction Services

CSC TELECOM ELECTRICAL UPGRADE

VOIP - Phase 2A Includes: 048 Cohn, 026 Purdy Library, 027 Kresge Library, 034 Student Center, 155 Alex Manoogian, 001 Old Main

WSU PROJECT NO. 193 - 248452 BIDS September 30, 2015

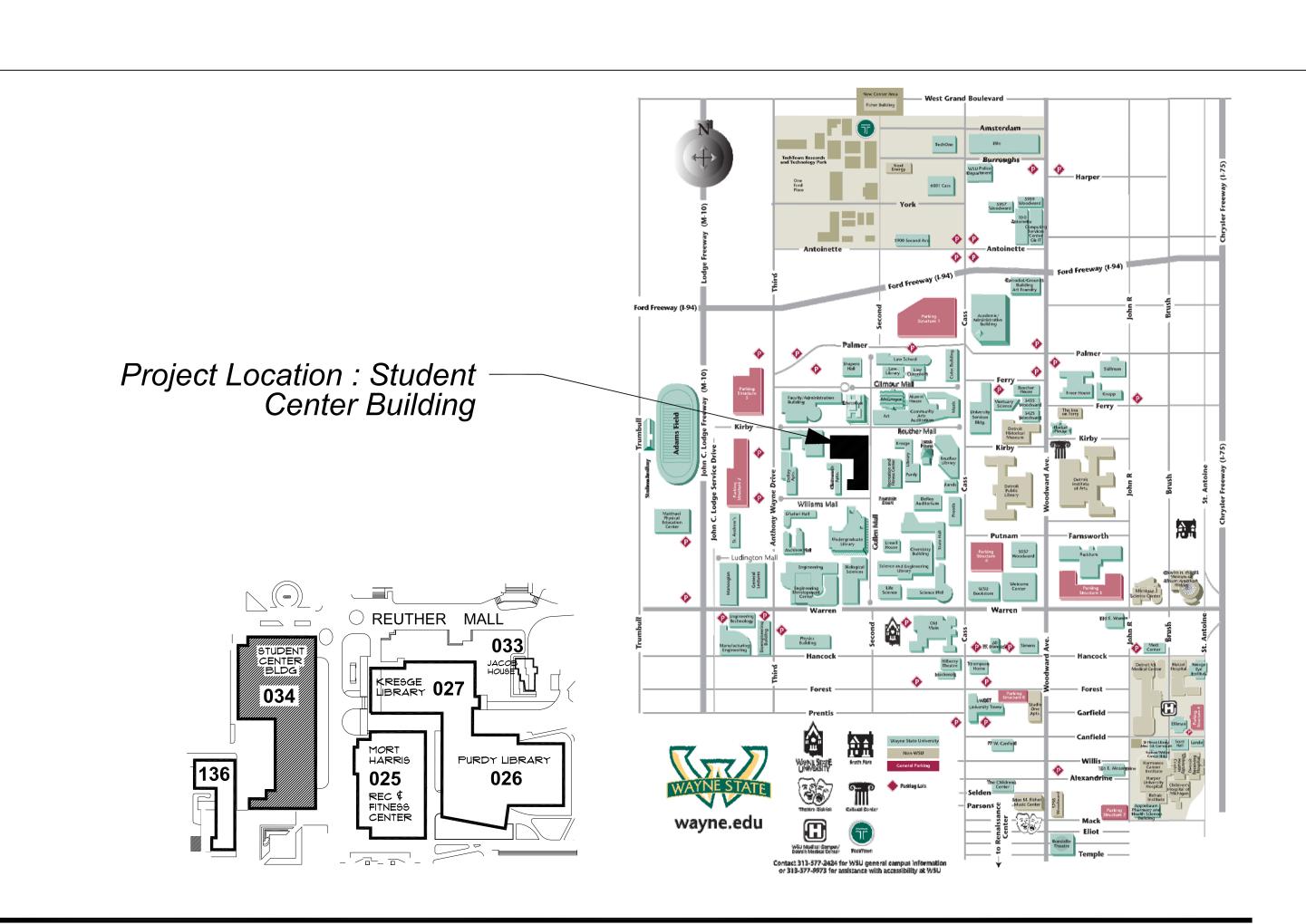
034 - Student Center Building

5221 Gullen Mall Detroit, Michigan 48202

GPS: 42.358134, -83.070899

INDEX OF DRAWINGS

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rev: Sept. 17, 201

ELECTRICAL SYMBOL LIST

DUPLEX RECEPTACLE QUAD RECEPTACLE SPECIAL RECEPTACLE ຝ AS NOTED

Ъ NON-FUSIBLE DISCONNECT SWITCH 0

BRANCH CIRCUIT PANELBOARD

Ť TRANSFORMER DISTRIBUTION PANEL GROUND BUS H-G B-H

VOIP - PHASE 2 Building and Rooms

FP \$ M PROJECT PHASE	BUILDING NAME	ROOM NUMBER	208 VOLT SINGLE PHASE 30 AMP CIRCUIT: L6-30R	NOTES
2 A	STUDENT CENTER BUILDING	547.1 647.1 747.1	YES YES YES	

NOTE : HEIGHT OF FINISH FLOOR TO FINISH FLOOR ABOVE

FLOOR	ELEVATION	F FLR. TO F FLR. ABOVE
<i>9</i> 1	183' - 5"	
06	170' - 8"	14' - 9"
<i>0</i> 5	158' - 8"	12' - @"
<i>0</i> 4	146' - 8"	12' - 0"
<i>0</i> 3	134' - 8"	12' - 0"
<i>1 1 2 2 3 3 3 3 3 3 3 3 3 3</i>	112' - 0"	22' - 8"
<i>0</i> 1	100' - 0"	12' - 0"
BSMT	86' - 0"	14' - 0"

ELECTRICAL ABBREVIATIONS LIST

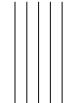
A	AMPERES	NEC	NATIONAL ELECTRICAL CODE
A.F.F.	ABOVE FINISH FLOOR	NF	NON - FUSIBLE
С	CONDUIT	NTS	NOT TO SCALE
CB	CIRCUIT BREAKER	oc	ON CENTER
CKT	CIRCUIT	P	POLE
DISC	DISCONNECT	PH	PHASE
DP	DISTRIBUTION PANEL	PL	PLASTER
EC	ELECTRICAL CONTRACTOR	RECEPT.	RECEPTACLE
ELEC	ELECTRICAL	RP	RECEPTACLE PANEL
EMT	ELECTRICAL METALLIC TUBING	SCHED	SCHEDULE
Fu	FUSE	SW	SWITCH
G / GRD	GROUND	TB	TERMINAL BOX
JB	JUNCTION BOX	TELECOM	TELECOMMUNICATIONS
KV	KILOYOLT	u. O. N.	UNLESS OTHERWISE NOTED
KVA	KILOVOLT - AMPERES	٧	∨ <i>O</i> LT9
LP	LIGHTING PANEL	W	WIRE
LDP	LIGHTING DISTRIBUTION PANEL	WP	WEATHERPROOF
MAX	MAXIMUM	XFMR	TRANSFORMER
MIN	MINIMUM	XP	EXPLOSION PROOF
MISC.	MISCELLANEOUS	(E)	EXISTING
N	NEUTRAL	(R)	RELOCATED

SCOPE OF WORK

THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS FOR THE FOLLOWING SCOPE OF WORK :

- 1. PROVIDE 30 AMP 208 VOLT 2-POLE SINGLE PHASE WITH GROUND, FROM EXISTING RECEPTACLE PANEL TERMINATED INTO A L6-30R NEMA RECEPTACLE IN IT CLOSET (AS DESIGNATED IN YOIP - PHASE 2 BUILDING AND ROOM SCHEDULE) COMPLETE WITH DISCONNECTED SWITCH IN IT CLOSET. EXACT LOCATION OF L6-30R OUTLET TO BE FIELD COORDINATED WITH C \$ IT. ELECTRICAL CONTRATOR TO INSTALL OWNER-FURNISHED PDU/POWER STRIP, EXACT LOCATION TO BE FIELD COORDINATED WITH C \$ IT.
- 2. THE CONTRACTOR SHALL REWORK EXISTING CIRCUITS IN RECEPTACLE PANELS TO ALLOW FOR THE INSTALLATION OF ONE (1) NEW 30A 2 POLE CIRCUIT BREAKER.
- 3. PROVIDE 3/4 C-4-#10 EMT IN ELECTRICAL ROOM AND THE DATA ROOM. BETWEEN THE ROOMS ABOVE THE CEILING WILL BE #10 / 4 CONDUCTOR MC CABLE AND PROPERLY SUPPORTED.
- 4. INSTALL A 30A IPH 250Y NON FUSED DISCONNECT LOCKABLE SWITCH IN DATA ROOM NEXT TO A 30A 1PH 250Y TWISTLOCK RECEPTACLE.
- 5. THE CONTRACTOR SHALL PROPERLY FIRE STOP ALL PENETRATIONS RELATED
- 6. ALL WORK TO BE COMPLETED MONDAY THRU FRIDAY FROM 1:00 AM TO 3:30
- 1. IF RECEPTACLE PANEL "RP" IS FULL THE CONTRACTOR SHALL LOCATE AN ALTERNATE RECEPTACLE PANEL WITHIN 150'-0" OF THE DATA ROOM.
- 8. THE CONTRACTOR SHALL PROVIDE A LABEL WITH THE RECEPTACLE PANEL DESIGNATION AND CIRCUIT NUMBER AT THE DEVICE.
- 9. AT THE RECEPTACLE PANEL AND INSTALL LABELS FOR ALL CHANGES AND THE 2 POLE BREAKER FEEDING THE DATA CIRCUIT.
- 10. THE CONTRACTOR SHALL PROVIDE ALL NEW 2 POLE AND DA CIRCUIT BREAKERS TO MATCH EXISTING PANELBOARDS.
- 11. RECEPTACLE PANEL DESIGNATION ON THE DRAWINGS IS NOT NECESSARILY THE RECEPTACLE PANEL DESIGNATION IN THE FIELD. FOR LABELING USE THE RECEPTACLE PANEL DESIGNATION IN THE FIELD.
- 12. ALL CONDUIT TO BE ABOYE FINISHED CEILING. EXISTING CEILINGS ARE EITHER OPEN OR LAY IN OR U.O.N..

WAYNE STATE UNIVERSITY



and Standards

Electrical ' - Facilities F UPGRADE UNIVERSITY I ELECTRICAL U

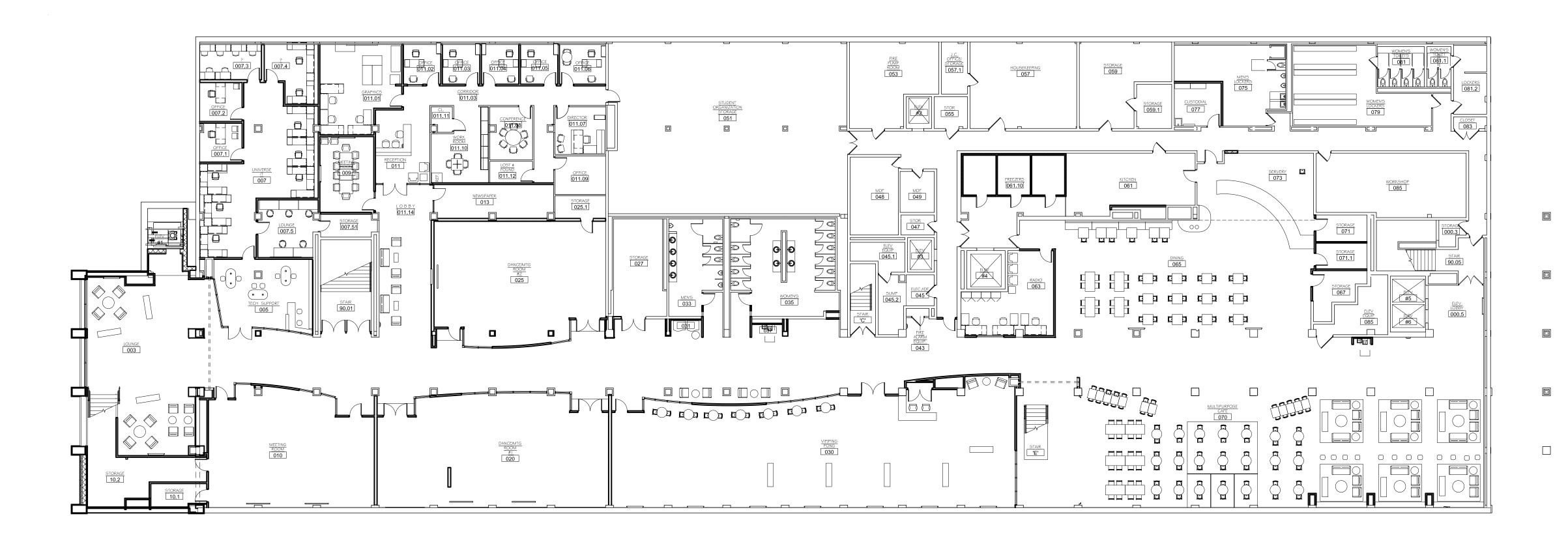
Planning & Management

Bldg Center Se 2A Student P - Phas 034 -V O I

WAYNE STATE L CSC TELECOM E

Sept. 30, 2015

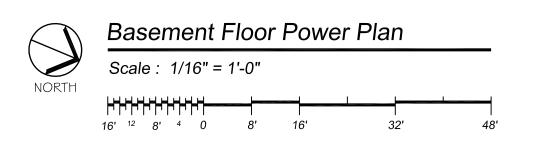
#193-248452



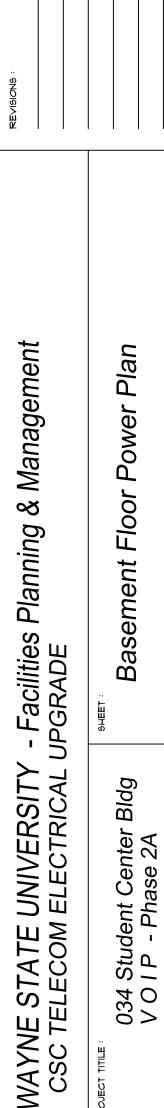
STUDENT CENTER BUILDING
BUILDING #034
BASEMENT FLOOR PLAN



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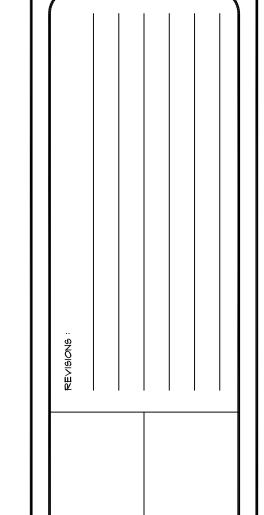


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PROJECT NUMBER

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First Floor Power Plan

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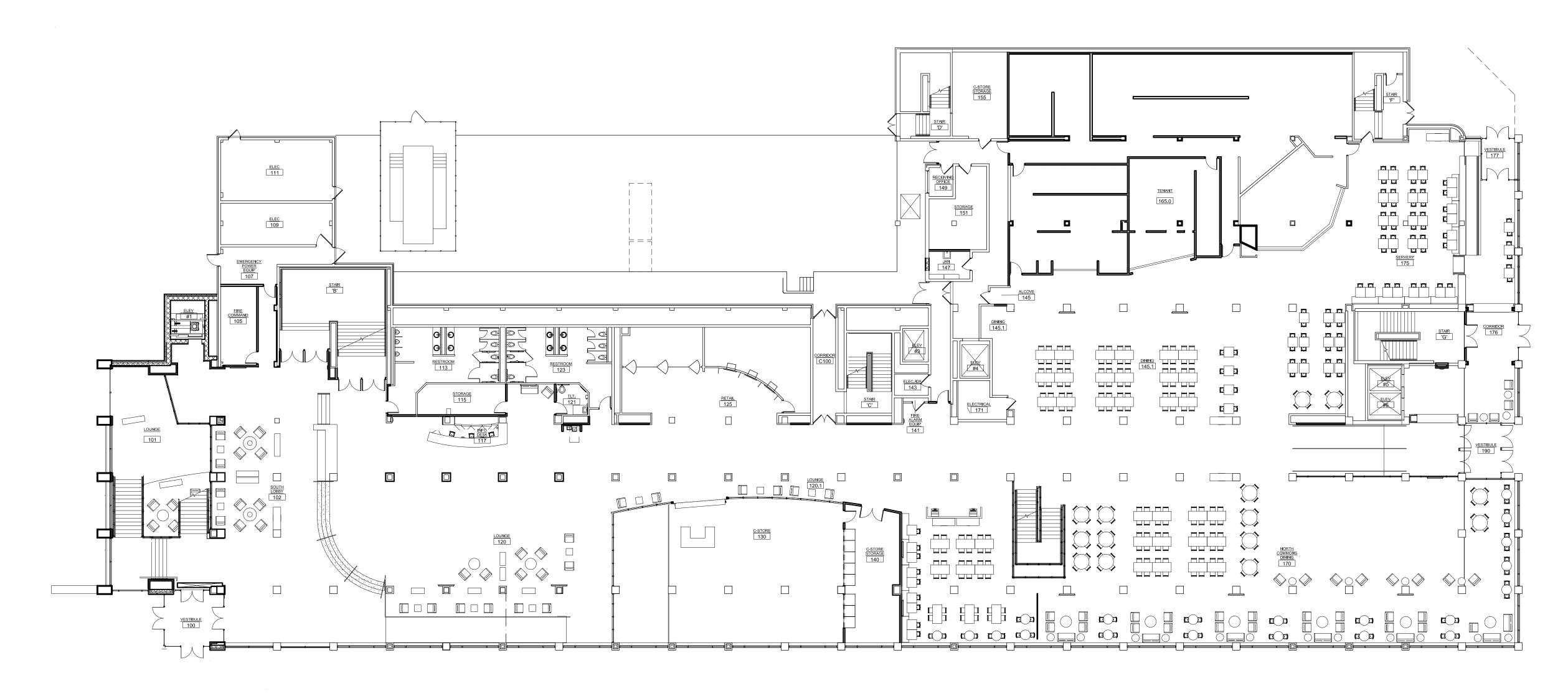
034 Student Center Bldg V O I P - Phase 2A

WAYNE STATE UNIVERSITY - Facilities
CSC TELECOM ELECTRICAL UPGRADE

DATE:
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E-2



STUDENT CENTER BUILDING

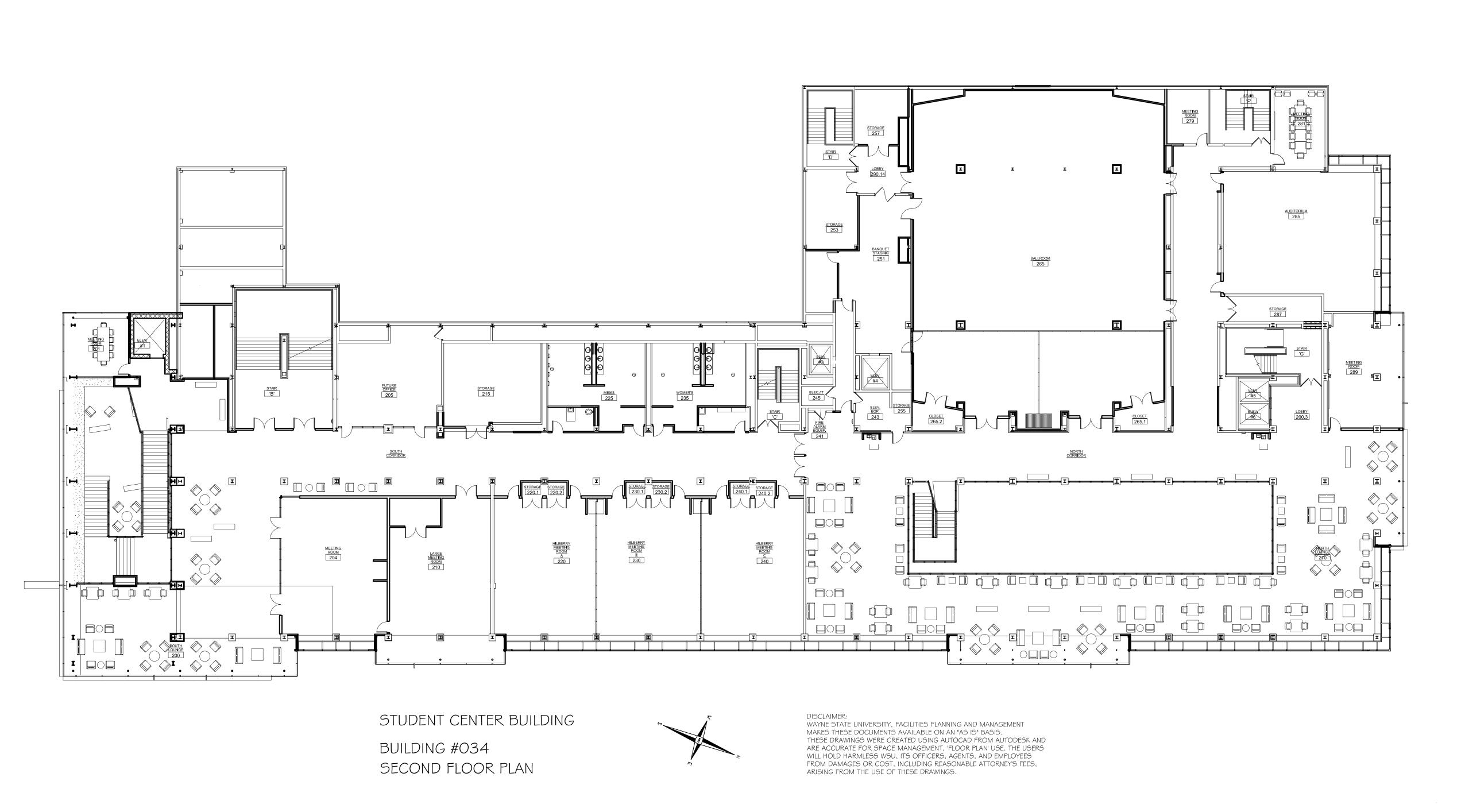
BUILDING #034 FIRST FLOOR PLAN



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First Floor Power Plan

Scale: 1/16" = 1'-0"



Second Floor Power Plan

Scale: 1/16" = 1'-0"

NORTH

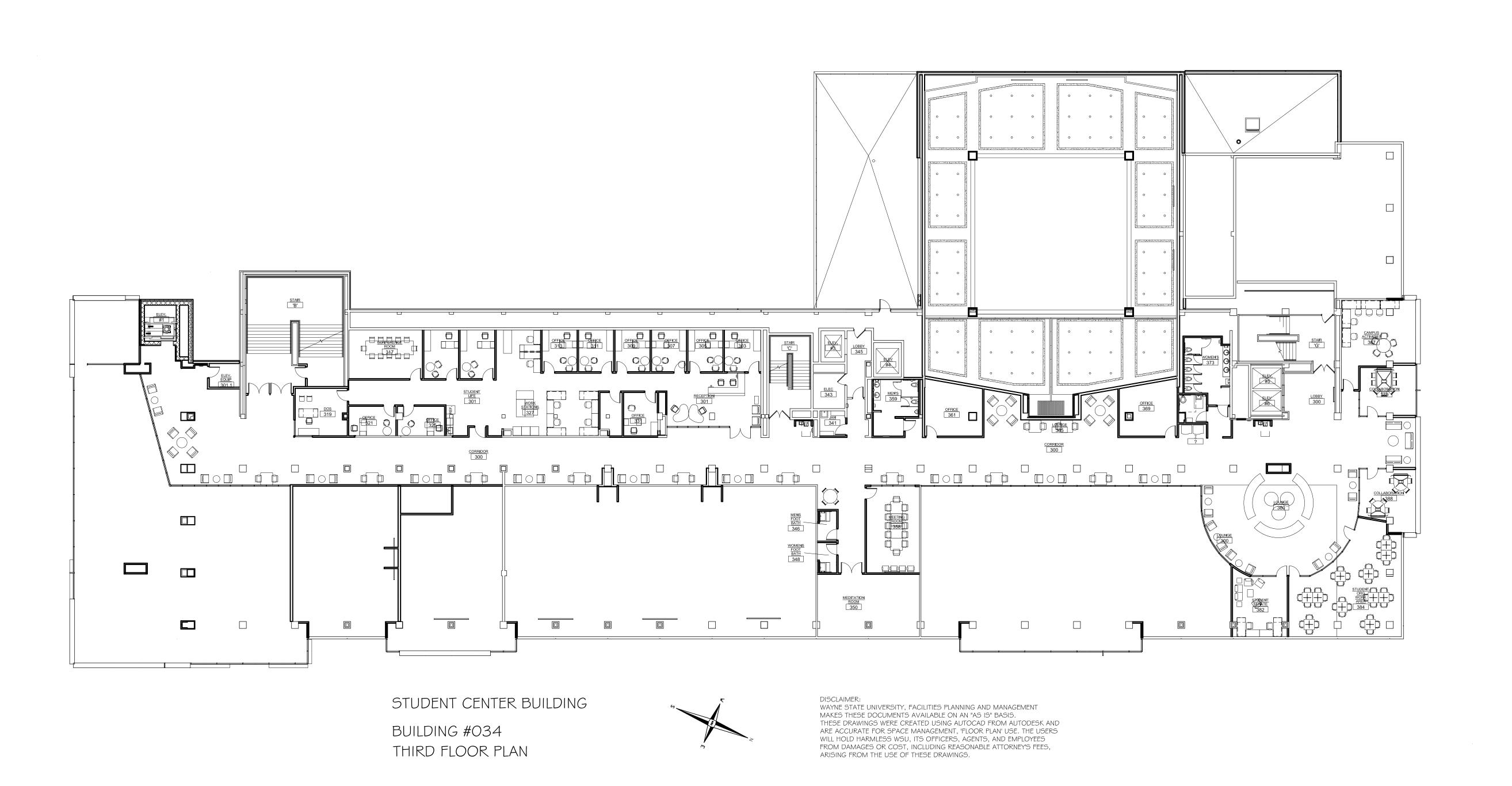
∞ WAYNE STATE UNIVERSITY - Facilities CSC TELECOM ELECTRICAL UPGRADE 034 Student Center Bldg V O I P - Phase 2A

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Sept. 30, 2015 BIDS

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∾ Third WAYNE STATE UNIVERSITY - Facilities CSC TELECOM ELECTRICAL UPGRADE Bldg 034 Student (V O I P - Pha

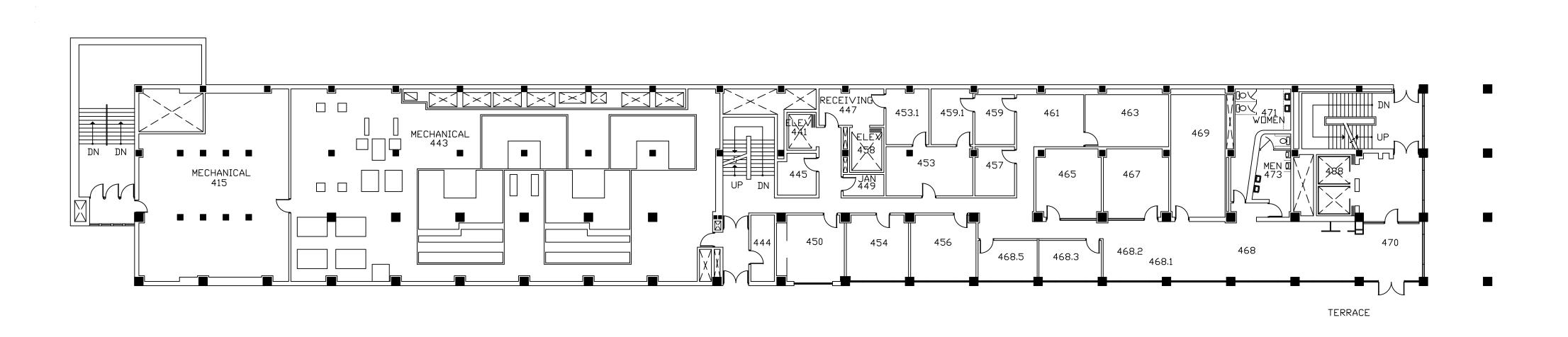
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Third Floor Power Plan Scale: 1/16" = 1'-0"

BIDS

Sept. 30, 2015

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STUDENT CENTER BUILDING BUILDING #034

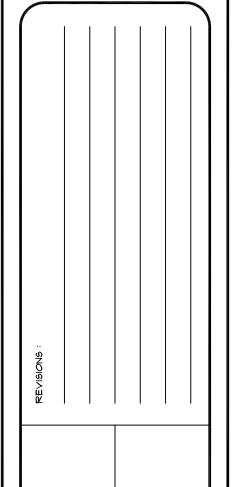
FOURTH FLOOR PLAN



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Fourth Floor Power Plan

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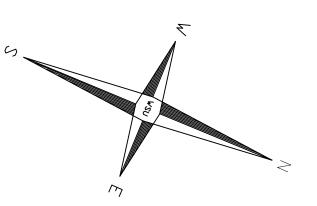
Bldg 034 Student Center V O I P - Phase 2A

Sept. 30, 2015

PROJECT NUMBER #193-248452

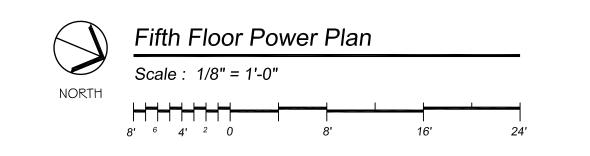


STUDENT CENTER BUILDING BUILDING #034 FIFTH FLOOR PLAN

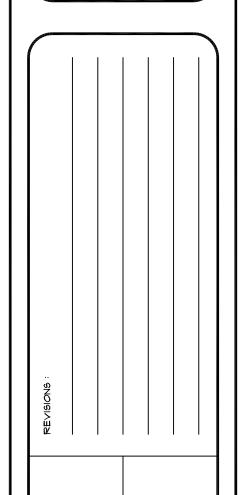


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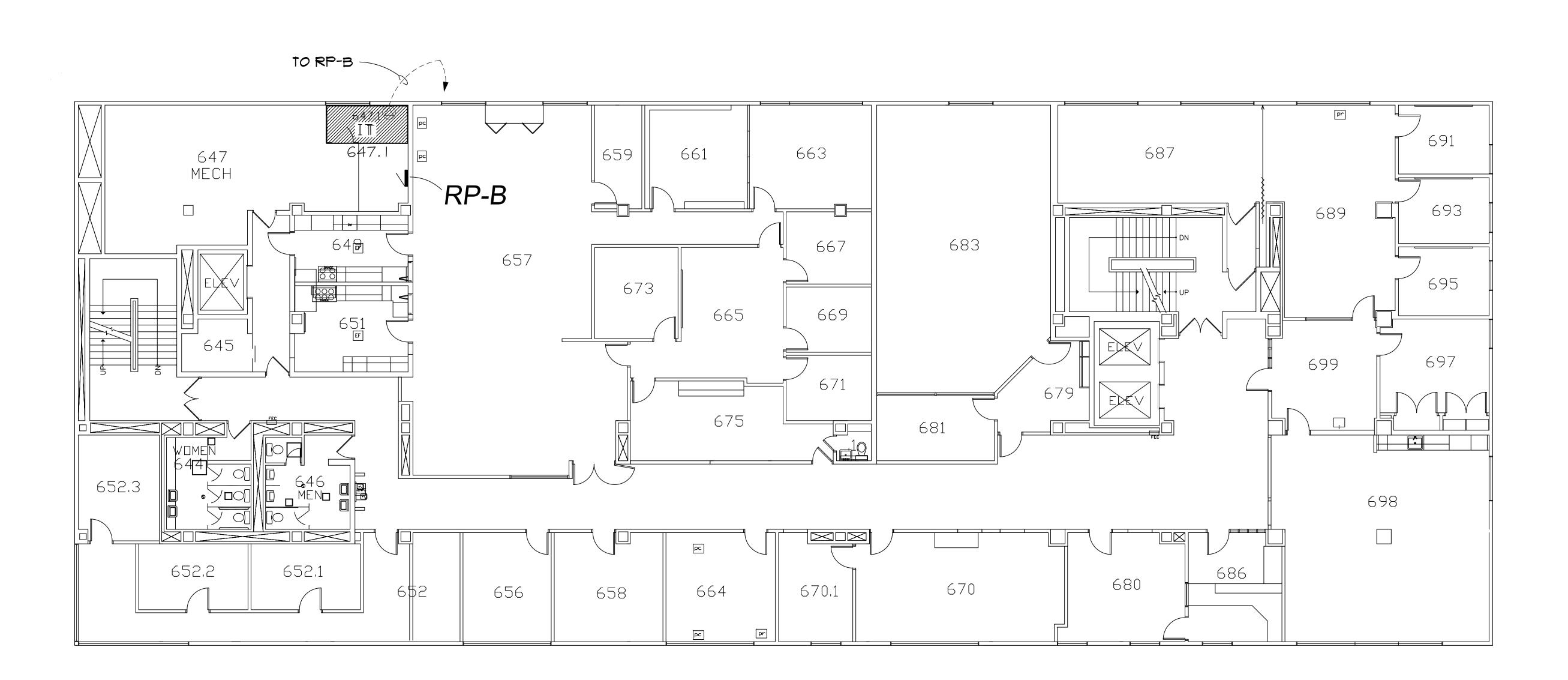
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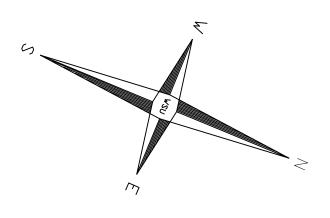
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E-6

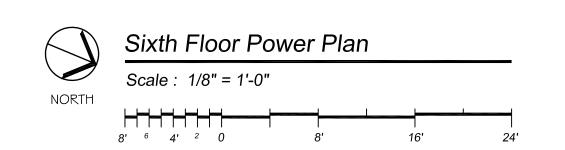


STUDENT CENTER BUILDING BUILDING #034 SIXTH FLOOR PLAN

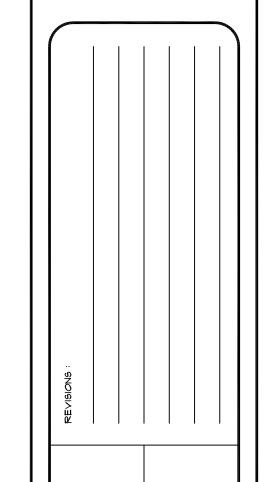


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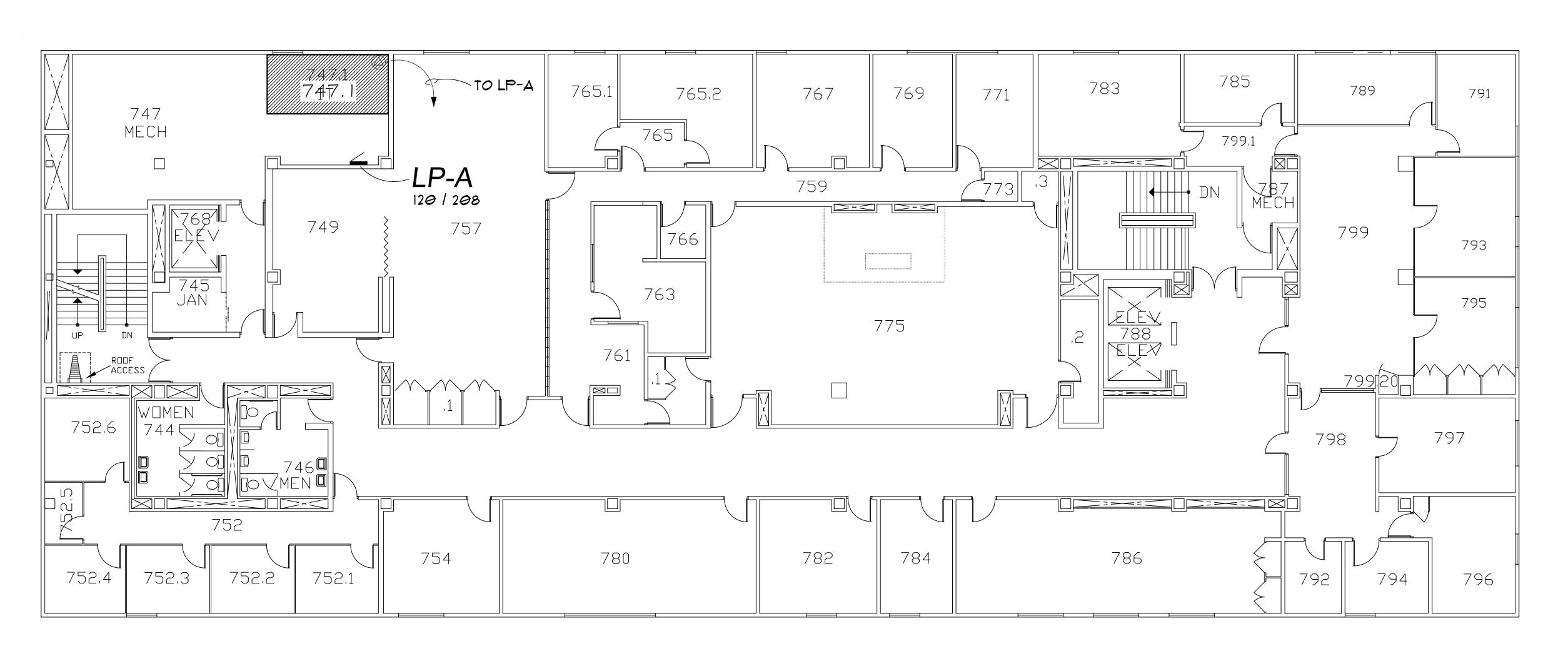
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DATE: Sept. 30, 2015

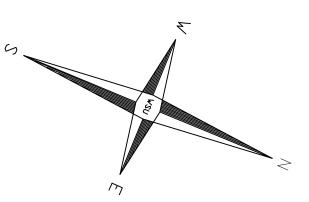
PROJECT NUMBER #193-248452

E-7



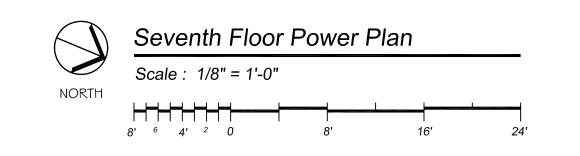
STUDENT CENTER BUILDING

BUILDING #034
SEVENTH FLOOR PLAN

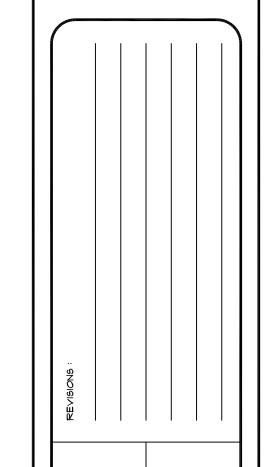


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JPGRADE

Seventh Floor Power Plan

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ROJECT TITLE:

034 - Student Center Bldg
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