



- DOCUMENTS.
- C. COORDINATE WITH LOCAL UTILITY PROVIDER FOR EXACT SERVICE CONDUIT AND CONDUCTORS REQUIREMENTS.
- D. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH PGE ELECTRICAL SERVICE REQUIREMENTS.
- E. U.G. PRIMARY FEEDER SHALL HAVE A MINIMUM 48 INCH BURY. F. U.G. SECONDARY FEEDER SHALL HAVE A MINIMUM 36 INCH BURY. G. REFER TO SHEET E1.11 FOR TYPICAL FEEDER SCHEDULE. H. SECONDARY CONDUIT SWEEPS SHALL BE MINIMUM 60 INCH RADIUS WITH A MINIMUM OR 7'-0" STRAIGHT CONDUIT RUN BETWEEN
- SWEEPS.
- I. LOCATION AND INSTALLATION OF THE PRIMARY AND SECONDARY CONDUITS, TRANSFORMER, ETC. SHALL BE PROVIDED PER PGE ELECTRICAL SERVICE REQUIREMENTS.
- LAYOUT.

- 2. ALL PGE CONDUCTORS TO BE INSTALLED IN GREY SCHEDULE 40, ELECTRICAL GRADE, PVC CONDUIT WITH NYLON PULL STRINGS (MIN 500 LBS. TEST). PGE TO DETERMINE THE SIZE AND NUMBER OF CONDUITS REQUIRED. ALL ELBOWS TO BE 36 INCH (MIN) RADIUS. ALL BENDS MAY BE FACTORY MADE. IF MORE THAN 270 DEGREES OF BENDS OR IF RUN IS LONGER THAN 150 FEET, BENDS MUST BE RIGID STEEL.
- 3. CONSULT WITH PGE REPRESENTATIVE 2 WEEKS BEFORE STARTING MAIN POWER TRENCHING FOR A PRECONSTRUCTION CONFERENCE. INCLUDED IN THIS CONFERENCE WILL BE EXCAVATOR, PGE, TELCO, CATV, AND GAS.
- 4. CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES BEFORE TRENCHING. COORDINATE WITH CIVIL.



A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL. B. ELECTRICAL SERVICE ENTRANCE EQUIPMENT DESIGN IS BASED ON SIEMENS PRODUCTS. ACTUAL PRODUCTS USED MAY DIFFER IN SIZE AND CONFIGURATION AND SHALL BE NOTED IN FINAL PROJECT

J. REFER TO SHEET E3.01 FOR ELECTRICAL ROOM EQUIPMENT

#### PGE REQUIREMENTS

1. CUSTOMER TO PROVIDE ALL TRENCHING AND BACKFILLING. TRENCH TO BE 36 INCHES DEEP AND 30 INCHES WIDE, MEASURED FROM FINAL GRADE.



john@wright architecture.com 503.206.8380

Project Owner: NATIVE LAND DEVELOPMENT

Project Name:



1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

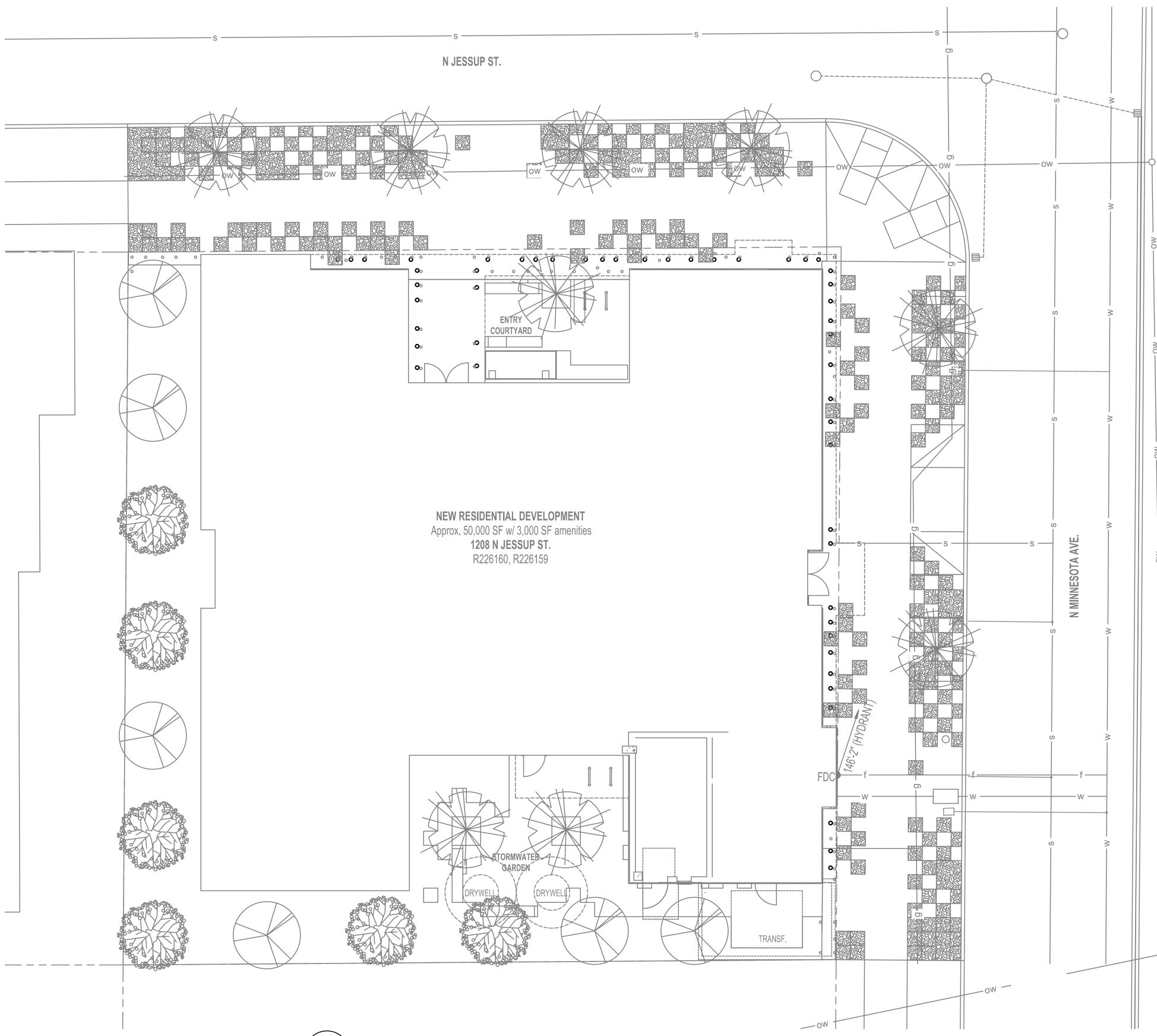


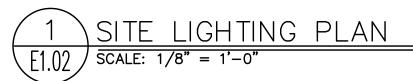


Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZE: HALF SIZE: 11" x 17"	22" x 34"

ELECTRICAL SITE PLAN

E1.01





wright

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#### GENERAL SITE LIGHTING NOTES:

A. ALL SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATION CODES.

B. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

C. REFER TO SHEETS E1.11 FOR ONE-LINE DIAGRAM, LOAD SUMMARY INFORMATION AND TYPICAL FEEDER SCHEDULE.

D. REFER TO E2 SERIES SHEETS FOR EXTERIOR BUILDING MOUNTED LIGHT LOCATIONS.

E. REFER TO SHEET E1.14 FOR LIGHT FIXTURE SCHEDULE.

G. SITE AND LANDSCAPE LIGHTING SHALL BE PROVIDED WITH DUSK-TIL-DAWN LIGHTING CONTROL AND AUTOMATIC CONTROLS TO REDUCE LIGHT LEVELS BY 30% DURING PERIODS OF LOW ACTIVITY.

Project Owner:

NATIVE LAND DEVELOPMENT

Project Name:



1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

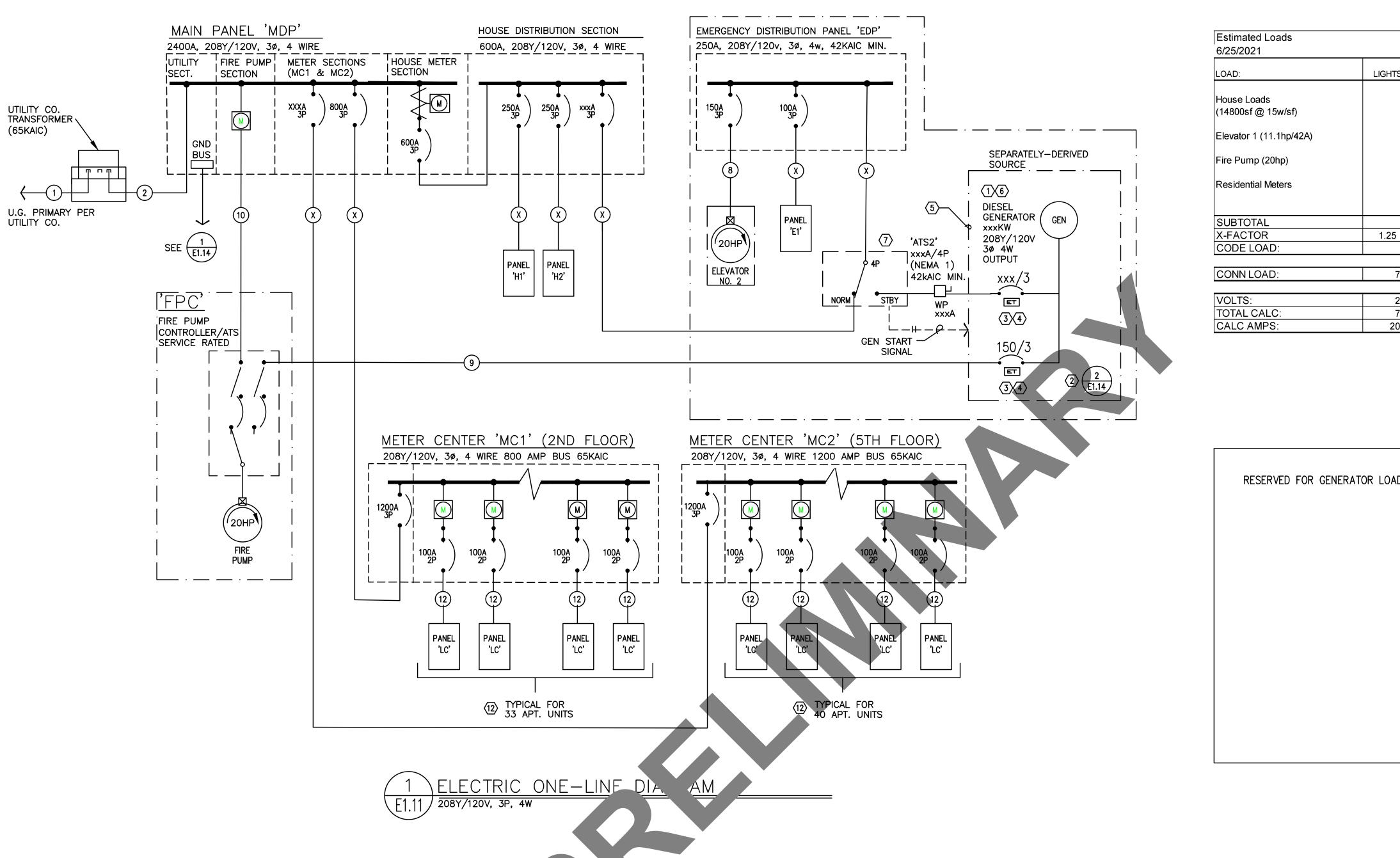


DESIGN DEVELOPMENT SET

Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZE: 2 HALF SIZE: 11" x 17"	22" x 34"

SITE LIGHTING PLAN

E1.02



#### ONE-LINE GENERAL NOTES:

A. COORDINATE ALL WORK ASSOCIATED WITH ELECTRIC SERVICE WITH LOCAL UTILITY. PROVIDE ALL CONDUIT & CONDUCTORS, GROUNDING, TRANSFORMER VAULT/PAD, ETC., IN ACCORDANCE WITH SERVING UTILITY REQUIREMENTS.

B. COORDINATE METERING REQUIREMENTS WITH UTILITY.

C. FOR LOAD CENTER FEEDER LENGTHS GREATER THAN 145'-0" FROM METER CENTER, INCREASE WIRE SIZE ONE SIZE UP FOR VOLTAGE DROP.

#### ○ ONE-LINE NOTES:

1. ESTIMATED GENERATOR STARTING LOAD IS BASED ON THE ELEVATOR & FIRE PUMP MOTORS BEING PROVIDED WITH REDUCED STARTING.

2. PROVIDE GROUND FOR SEPARATELY DERIVED SYSTEM PER NEC.

3. PROVIDE ELECTRONIC TRIP CIRCUIT BREAKER. EXACT BREAKER TYPE, SETTINGS, ETC. TO BE VERIFIED AND AS DETERMINED BY SELECTIVE COORDINATION STUDY AS PERFORMED BY THE ELECTRICAL DISTRIBUTION EQUIPMENT MANUFACTURER.

SELECTIVELY COORDINATE WITH POWER STUDY RECOMMENDATIONS.

5. 'LIFE SAFETY' BRANCH TO MEET ALL REQUIREMENTS OF NEC 700. CONTRACTOR SHALL BE AWARE THAT MFIA HAS ATTEMPTED TO INDICATE EQUIPMENT AND SIZES THAT WILL SELECTIVELY COORDINATE, BUT WILL NOT BE KNOWN UNTIL ELECTRICAL EQUIPMENT MANUFACTURER PERFORMS THE REQUIRED POWER STUDIES AS SPECIFIED IN 26 05 73. CHANGES MAY BE NECESSARY AFTER THE BID.

6. WHERE APPLICABLE, GENERATOR TO BE SIZED TO OPERATE ONLY ONE ELEVATOR AT A TIME. COORDINATE WITH ELEVATOR & GENERATOR PROVIDERS FOR AUTOMATIC SEQUENTIAL OPERATION AS REQUIRED UNDER ASME A17.1, SECTION 2.27.2.1 THROUGH 2.27.2.5.

7. THE AUTOMATIC TRANSFER SWITCH FOR THE EMERGENCY PANEL "EDP" SHALL OPERATE SUCH THAT THE EGRESS LOADS ARE SWITCHED TO GENERATOR POWER WITHIN 10 SECONDS AND THE ELEVATOR(S) SWITCHED WITHIN 60 SECONDS OF A POWER FAILURE.

4. COORDINATE INSTALLATION OF OUTPUT BREAKERS WITH GENERATOR MANUFACTURER TO

8. CONSULT MECHANICAL, PLUMBING AND/OR FIRE ALARM PLANS AND VERIFY EXACT POWER REQUIREMENTS FOR THE FIRE PUMP. 9. CONSULT ELEVATOR PROVIDER FOR INSTALLATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.

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0         0         710.000         0         37.470         5.588           770         KVA         208         301         753         KVA           208         JAMPS         MINNESOTA         PLACES           AD SUMMARY         1209 N. JESSUP & STATUS         Prest Name:         MINNESOTA           AD SUMMARY         1209 N. JESSUP & STATUS         1209 N. JESSUP & STATUS         PLACES           ISSUE STATUS         1209 N. JESSUP & STATUS         1209 N. JESSUP & STATUS         PLACES           ISSUE STATUS         1209 N. JESSUP & STATUS         DESIGN         DEVELOPMEN           SET         JESSUP STATUS         DESIGN         DEVELOPMEN           SET         JESSUP STATUS         JESSUP STATUS         JESSUP STATUS           NO. AME'S CONDUIT         CONDUCTOR         4 (1) #100 ND         JESSUP STATUS         JESSUP STATUS           J. 1200 4 (5) 4"         BY UTILITY CO.         4 (1) #100 ND         JESSUP STATUS         JESSUP STATUS           J. 1200 4 (5) 4"         BY UTILITY CO.         4 (1) #100 ND         JESSUP STATUS         JESSUP STATUS           J. 1200 4 (5) 4"         BY UTILITY CO.         4 (1) #100 ND         JESSUP STATUS         JESSUP STATUS           J. 1200 4 (5) 4"         BY UTILITY CO.	0         0         710.000         0         37.470         5.588           720         KVA         200         30         710         710         710           200         AMPS         NUMELAD LEVILOP MENT         200         8.00         710	0	0	0	710,000	0	37,470	22,350		
TO         KVA           288         39h           725         KVA           2080         AMPS           AD         SUMMARY           AD         SUMMARY           100         MINNESOTA PLACES           1208 N. JESSUP & 5927 N. MINNESOTA (R28159, R220160)         PLACES           1208 N. JESSUP & 5927 N. MINNESOTA (R28159, R220160)         PLACES           1208 N. JESSUP & 500 J. MINNESOTA (R28159, R220160)         PLACES           1208 N. JESSUP & 500 J. MINNESOTA (R28159, R220160)         PLACES           1208 N. JESSUP & 500 J. MINNESOTA (R28159, R220160)         PLACES           1209 N. JESSUP & 500 J. MINNESOTA (R28159, R220160)         PLACES           1200 N. JEST SCHEDULE (COPPER)         DESIGN DEVELOPMEN SET           12020 N. (5) 4" DV UTUTY CO. 2 1200 A. (1) 44 OND 2 1200 A. (1) 72 (1) 41 A. (1) 47 OND 2 1200 A. (1) 72 (1) 41 A. (1) 40 OND 2 1200 A. (1) 72 (1) 41 A. (1) 40 OND 2 1200 A. (1) 72 (1) 77 JW HAULEL FEEDER	Туристории         Туристории           2006         Зай туристории         Туристории           2005         ЖИРБ         Туристории           2005         Канара         Канара           20100000000000000000000000000000000000	5 0		-	1 710,000	-	· ·			
Test         Sub- KVA         Physic Owner:           AD SUMMARY         Paget Name:         MINNESOTA PLACES           AD SUMMARY         1208 N. JESSUP & 5977 N. MINNESOTA (R25199, R226100)         PLACES           ISSUE P. S. JESSUP & 5977 N. MINNESOTA (R25199, R226100)         PLACES           IDESIGN DEVELOPMEN SET         DESIGN DEVELOPMEN SET           IDESIGN DEVELOPMEN SET         SET           IDESIGN DEVELOPMEN SET         SET           IDESIGN DEVELOPMEN SET <td>Prijed Owe:      </td> <td>770</td> <td>KVA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Prijed Owe:	770	KVA							
7253         KVA         Project Owner:           MADE Low DEVELOPMENT         MINNESOTA           AD SUMMARY         1208 N. JESSUP &           AD SUMMARY         1208 N. JESSUP &           TEELDER SCHEDULE (COPPER)         FEEDER SCHEDULE (COPPER)           NO         AMPS CONDUT         CONDUCTOR           1         1200 A '(3) 4"         PY UTUTY CO. & (1) 4A OND           2         1200 A '(3) 4"         FEEDER           2         1200 A '(3) 4"         FOULTY CO. & (1) 4A OND           3) 225A 2 1/2"         (4) #4/0         (1) #3 /0 OND           3) 225A 2 1/2"         (4) #4/0         (1) #3 /0 OND           30 #         (3) #1         (1) #10 OND           30 #         (3) #1         (1) #3 /0 OND           30 #         (3) #1         (1) #10 OND	725       KVA 000       Project Order: Mittle Lako Debulgement         AMPS       Project Order: Mittle Lako Debulgement         AD SUMMARY       1208 N. JESSUP & 5927 N. MINNESOTA (R28169, R226100)         JD SUMMARY       1208 N. JESSUP & 5927 N. MINNESOTA (R28169, R226100)         Witte Lako Debulgement       1208 N. JESSUP & 5927 N. MINNESOTA (R28169, R226100)         Witte Lako Debulgement       1208 N. JESSUP & 5927 N. MINNESOTA (R28169, R226100)         DESIGN DEVELOPMEN SET       DESIGN DEVELOPMEN SET         Notes Longenet 10 1200 N(5) 4" BY UTILITY CO. 10 100A 11/2" (3) #1 de (1) #3/0 GND (3) 1205A (3) #4 de (1) #3 G GND (4) 1205A (3) #4 de (1) #3 G GND (4) 1205A (3) #4 de (1) #3 G GND (5) 1205A (3) #4 de (1) #3 G GND									
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AD SUMMARY       1208 N. JESSUP & 5677 N. MINNESOTA (R226159, R226160)         Image: Strate of the stra	D SUMMARY       1200 N. JESSUP & 5677 N. MINRESOTA PLACES         1200 N. JESSUP & 5677 N. MINRESOTA (RZ26160)       1200 N. JESSUP & 5677 N. MINRESOTA (RZ26160)         WILLIAM       William & State (RZ26160)       1200 N. JESSUP & 5677 N. MINRESOTA (RZ26160)         DESIGN DEVELOPMEN SET       DESIGN DEVELOPMEN SET         Image: Conduit Conductor       1100 N. (3) # 100 ND         1000 AMPS CONDUIT CONDUCTOR       201 (1) # 570 GND         112000 A * (3) 4" con W/ (4) #600Kcmil & (1) # 3/0 GND       1000 AI (2) # 100 AI (3) # 100	2090	AMPS						NATIVE LAND DEVELOPMENT	
AD SUMMARY       1208 N. JESSUP & 5677 N. MINNESOTA (R226159, R226160)         Image: Strate of the stra	D SUMMARY       1200 N. JESSUP & 5677 N. MINRESOTA PLACES         1200 N. JESSUP & 5677 N. MINRESOTA (RZ26160)       1200 N. JESSUP & 5677 N. MINRESOTA (RZ26160)         WILLIAM       William & State (RZ26160)       1200 N. JESSUP & 5677 N. MINRESOTA (RZ26160)         DESIGN DEVELOPMEN SET       DESIGN DEVELOPMEN SET         Image: Conduit Conductor       1100 N. (3) # 100 ND         1000 AMPS CONDUIT CONDUCTOR       201 (1) # 570 GND         112000 A * (3) 4" con W/ (4) #600Kcmil & (1) # 3/0 GND       1000 AI (2) # 100 AI (3) # 100									
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ND SUMMARY       PLACES         ND SUMMARY       1208 N. JESSUP & SECT N. MINNESOTA (R226159, R226160)         When the sector of the secto	D SUMMARY         PLACES           120 N. JESSUP & 6627 N. MINRESOTA (R226190, R226160)         Image: Comparison of the com								Project Name:	
D SUMMARY       1208 N. JESSUP & 5527 N. MINNESOTA (R226159, R226150)         With the source of the sou	D SUMMARY       1208 N. JESSUP 8.         SG27 N. MINNESOTA       SG27 N. MINNESOTA         Image: Construction of the second								MINNESOTA	
1208 N. JESSUP &         5627 N. MINNESOTA         Image: Second Structure         Image: Second Structure <t< td=""><td>FEEDER SCHEDULE (COPPER)         Image: Conduit         &lt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>PLACES</td></t<>	FEEDER SCHEDULE (COPPER)         Image: Conduit         <								PLACES	
FEEDER SCHEDULE (COPPER)         Issue:           MMPS         CONDUCTOR           1200 *(3) 4"         eo w/(4) #600Kcmil & (1) #3/0 GND           225A 2 1/2"         (4) #4/0         & (1) #10 GND           100A 1 1/2"         (3) #4         & (1) #10 GND           STALLEL FEEDER         ELECTRICAL	FEEDER SCHEDULE (COPPER)         Image: Conduit         <	AD S	UMMARY							
FEEDER SCHEDULE (COPPER)         DESIGN DEVELOPMEN SET           No         AMPS CONDUIT         CONDUCTOR           1         1200 *(5) 4"         BY UTILITY CO.           2         1200 *(5) 4"         BY UTILITY CO.           2         1200 *(3) 4"         ed w/(4) #600Kcmil & (1) #10 GND           3         225A 2 1/2"         (4) #4/0           4         (1) #10 GND         MOMMA SHEET SUPER 22: 30"	SEZT N. MINNESOTA (R226159, R225160)         WHINK OF DEVELOPMEN SET         DESIGN DEVELOPMEN SET         No         AMPS         CONDUIT         CONDUCTOR         1         1200         4(5) 4"         BY UTILITY CO.         & (1) #4         3         225A         100A         1/200         (3) #1         (3) #1         (1) #10         Sola         100A         1/2"         (3) #1         (1) #10         (3) #1         (1) #10         (3) #1         (1) #10         (2) 100A         (3) #1         (1) #10         (3) #1         (1) #10         (3) #1         (1) #10         (2) 100A         (3) #1         (1) #10         (2) 100A         (3) #1         (1) #10         (2) 100A         (3) #1         (4) #4/0         (5) 60A         (7) #10         (8) 60A         (7) #10     <								1208 NIESSUP &	
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FEEDER SCHEDULE (COPPER)           NO.         AMPS           1         1200           1         1200           2         1200A           3         225A           2         1200A           4         100A           3         225A           5         60A           1         3           2         1200A           1         3           2         1200A           4         100A           3         245A           4         100A           1         120'           3         244           4         100A           3         245A           4         100A           1         120'           3         24'           4         10'           5         60A           60A         1''           1         10'           10'         3''           10'         10''           10''         10'''           10''''         10''''           10'''''         10'''''''           10'''''''''''''''''''<	FEEDER SCHEDULE (COPPER)           0         AMPS CONDUIT CONDUCTOR           1         1200 *(5) 4"           2         1200A *(3) 4"           60A 1''         3) #1           3         225A 2 1/2''           4) 100A 1 1/2''         3) #1           60A 1''         3) #4           60A 1''         3) #4           8         (1) #8           9         100A 1 1/2''           103 #4         2 (1) #10 GND           8         100A 1 1/2''								, RET .	
DESIGN DEVELOPMEN SET         SET         Isue:         PRELIMINARY         427         1         1200         4(5)         1         1200         4(5)         3         2         1         2         1         3         2         1         3         2         1	FEEDER SCHEDULE (COPPER)           0         AMPS CONDUIT CONDUCTOR           1         1200 *(5) 4"           2         1200A *(3) 4"           60A 1''         3) #1           3         225A 2 1/2''           4) 100A 1 1/2''         3) #1           60A 1''         3) #4           60A 1''         3) #4           8         (1) #8           9         100A 1 1/2''           103 #4         2 (1) #10 GND           8         100A 1 1/2''								INNE OF TION	
DESIGN DEVELOPMEN SET         SET         Isue:         PRELIMINARY         427         1         1200         4(5)         1         1200         4(5)         3         2         1         2         1         3         2         1         3         2         1	FEEDER SCHEDULE (COPPER)           0         AMPS CONDUIT CONDUCTOR           1         1200 *(5) 4"           2         1200A *(3) 4"           60A 1''         3) #1           3         225A 2 1/2''           4) 100A 1 1/2''         3) #1           60A 1''         3) #4           60A 1''         3) #4           8         (1) #8           9         100A 1 1/2''           103 #4         2 (1) #10 GND           8         100A 1 1/2''								PRENOT RUC	
FEEDER SCHEDULE (COPPER)         NO.       AMPS         1       1200         1       1200         2       1200A         3       225A         2       1200A         4       100A         3       225A         4       100A         5       60A         60A       1"         1       20         3       225A         2       1200A         4       100A         1       120         4       100A         1       120         4       100A         1       120         4       100A         1       120         5       60A         1       20         1       21         20       21         21       11         20       21         20       21         21       21         22       21         23       21         24       24         25       21         26       21         27     <	FEEDER SCHEDULE (COPPER)           0         AMPS CONDUIT CONDUCTOR           1         1200 *(5) 4"           2         1200A *(3) 4"           60A 1''         3) #1           3         225A 2 1/2''           4) 100A 1 1/2''         3) #1           60A 1''         3) #4           60A 1''         3) #4           8         (1) #8           9         100A 1 1/2''           103 #4         2 (1) #10 GND           8         100A 1 1/2''								NS'	
FEEDER SCHEDULE (COPPER)           10.         AMPS         CONDUIT         CONDUCTOR           1         1200         *(5) 4"         BY UTILITY CO.         & (1) GND           2         1200A         *(3) 4"         ea w/ (4) #600Kcmil & (1) #3/0 GND           3         225A         2 1/2"         (4) #4/0         & (1) #3 GND           4         100A         1 1/2"         (3) #1         & (1) #10 GND           S         60A         1"         (3) #4         & (1) #10 GND           RALLEL FEEDER         ELECTRICAL	DEVELOPMEN SET         ISSUED:         ISSUED: <th <="" colspan:<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td></th>	<td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td>								0
FEEDER SCHEDULE (COPPER)           10.         AMPS         CONDUCTOR           1         1200         *(5) 4"         BY UTILITY CO.         & (1) GND           2         1200A         *(3) 4"         ea w/ (4) #600Kcmil & (1) #3/0 GND           3         225A         2 1/2"         (4) #4/0         & (1) #3 GND           4         100A         1 1/2"         (3) #1         & (1) #3 GND           5         60A         1"         (3) #4         & (1) #10 GND           RALLEL FEEDER	DEVELOPMEN SET         ISSUED:         ISSUED: <th <="" colspan:<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
SET         Image: Set and the second secon	FEEDER SCHEDULE (COPPER)         10. AMPS CONDUIT CONDUCTOR         11. 1200 *(5) 4"         20. 1200A *(3) 4"         ed w/ (4) #600Kcmil & (1) #3/0 GND         30. 225A 2 1/2"         4. 100A 1 1/2"         5. 60A 1"         60A 1"         10. 3) #4         4. 100A 1 1/2"         10. 3) #4         4. 100A 1 1/2"         10. 3) #4         4. 100A 1 1/2"         10. 3) #4         4. 10 #5 GND         BCR         BCCTRICAL         CORIGINAL SHEET SIZE: 11"x 17"         RALLEL FEEDER								DESIGN	
Issued:         PRELMINARY       4.27         PRELMINARY       4.27         IO. AMPS CONDUIT CONDUCTOR         1       1200       *(5)       4"       BY UTILITY CO.       & (1)       GND         2       1200A       *(3)       4"       ea       w/ (4)       #600Kcmil       & (1)       #3/0 GND         3       225A       2       1/2"       (4)       #4/0       & (1)       #4       GND         4       100A       1       1/2"       (3)       #1       & (1)       #8       GND         5       60A       1"       (3)       #4       & (1)       #10       GND         RALLEL FEEDER	ISSUED:         ISSUED:         ISSUED:         ID. AMPS CONDUIT CONDUCTOR         1       1200       *(5) 4"       BY UTILITY CO.       & (1)       GND         2)       1200A       *(3) 4"       ed w/ (4)       #600Kcmil       & (1) #3/0 GND         3)       225A       2 1/2"       (4)       #4/0       & (1) #4       GND         4)       100A       1 1/2"       (3)       #1       & (1) #8       GND         3)       60A       1"       (3)       #4       & (1) #10       GND         RALLEL FEEDER								DEVELOPMEN	
FEEDER SCHEDULE (COPPER)         10.       AMPS CONDUIT         1       1200         2       1200A         4       100A         1       1/2"         4       100A         1       1/2"         3       225A         2       1/2"         4       100A         5       60A         60A       1"         1       3         2       1/2"         4       100A         1       1/2"         1       4         1       20         20       203 #1         20       204         3       225A         2       1/2"         4       100A         1       1/2"         3       #4         4       1         4       1         4       1         5       60A         1"       3         20       0         0       0         1       4         1       1         1       1         1       1<	FEEDER SCHEDULE (COPPER)         10.       AMPS         11200 *(5) 4"       BY UTILITY CO.         2       1200A *(3) 4"         2       1200A *(3) 4"         4       100A 1 1/2"         3       225A 2 1/2"         4       100A 1 1/2"         5       60A 1"         60A 1"       (3) #4         60A 1"       (3) #4         60A 1"       (3) #4         60A 1"       (3) #4         60A 1"       (4) #10 GND         CRIGINAL SHEET SIZE: 22" x 34"         HALF SIZE: 11" x 17"         RALLEL FEEDER								SET	
FEEDER SCHEDULE (COPPER)         10. AMPS CONDUIT       CONDUCTOR         1       1200 *(5) 4"       BY UTILITY CO.       & (1) GND         2       1200A *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A 2 1/2"       (4) #4/0       & (1) #4 GND         4       100A 1 1/2"       (3) #1       & (1) #8 GND         5       60A 1"       (3) #4       & (1) #10 GND         RALLEL FEEDER	FEEDER SCHEDULE (COPPER)         10.       AMPS         11200 *(5) 4"       BY UTILITY CO.         2       1200A *(3) 4"         2       1200A *(3) 4"         4       100A 1 1/2"         3       225A 2 1/2"         4       100A 1 1/2"         5       60A 1"         60A 1"       (3) #4         60A 1"       (3) #4         60A 1"       (3) #4         60A 1"       (3) #4         60A 1"       (4) #10 GND         CRIGINAL SHEET SIZE: 22" x 34"         HALF SIZE: 11" x 17"         RALLEL FEEDER									
FEEDER SCHEDULE (COPPER)         10.       AMPS       CONDUIT       CONDUCTOR         1       1200       *(5) 4"       BY UTILITY CO.       & (1) GND         2       1200A       *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A       2 1/2"       (4) #4/0       & (1) #4 GND         4       100A       1 1/2"       (3) #1       & (1) #8 GND         5       60A       1"       (3) #4       & (1) #10 GND	FEEDER SCHEDULE (COPPER)         10. AMPS CONDUIT       CONDUCTOR         1       1200 *(5) 4"       BY UTILITY CO. & (1) GND         2       1200A *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A 2 1/2"       (4) #4/0 & (1) #4 GND         4       100A 1 1/2"       (3) #1 & (1) #8 GND         5       60A 1"       (3) #4 & (1) #10 GND         RALLEL FEEDER								Issued:	
IO.       AMPS       CONDUIT       CONDUCTOR         1       1200       *(5) 4"       BY UTILITY CO.       & (1) GND         2       1200A       *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A       2 1/2"       (4) #4/0       & (1) #4 GND         4       100A       1 1/2"       (3) #1       & (1) #8 GND         5       60A       1"       (3) #4       & (1) #10 GND         RALLEL FEEDER	IO.       AMPS       CONDUIT       CONDUCTOR         1       1200       *(5) 4"       BY UTILITY CO.       & (1) GND         2       1200A       *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A       2 1/2"       (4) #4/0       & (1) #4 GND         4       100A       1 1/2"       (3) #1       & (1) #8 GND         5       60A       1"       (3) #4       & (1) #10 GND         RALLEL FEEDER								PRELIMINARY 4.27.	
IO.       AMPS       CONDUIT       CONDUCTOR         1       1200       *(5) 4"       BY UTILITY CO.       & (1) GND         2       1200A       *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A       2 1/2"       (4) #4/0       & (1) #4 GND         4       100A       1 1/2"       (3) #1       & (1) #8 GND         5       60A       1"       (3) #4       & (1) #10 GND	IO.       AMPS       CONDUIT       CONDUCTOR         1       1200       *(5) 4"       BY UTILITY CO.       & (1) GND         2       1200A       *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A       2 1/2"       (4) #4/0       & (1) #4 GND         4       100A       1 1/2"       (3) #1       & (1) #8 GND         5       60A       1"       (3) #4       & (1) #10 GND         RALLEL FEEDER									
IO.       AMPS       CONDUIT       CONDUCTOR         1       1200       *(5) 4"       BY UTILITY CO.       & (1) GND         2       1200A       *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A       2 1/2"       (4) #4/0       & (1) #4 GND         4       100A       1 1/2"       (3) #1       & (1) #8 GND         5       60A       1"       (3) #4       & (1) #10 GND	IO.       AMPS       CONDUIT       CONDUCTOR         1       1200       *(5) 4"       BY UTILITY CO.       & (1) GND         2       1200A       *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A       2 1/2"       (4) #4/0       & (1) #4 GND         4       100A       1 1/2"       (3) #1       & (1) #8 GND         5       60A       1"       (3) #4       & (1) #10 GND         RALLEL FEEDER									
IO.       AMPS       CONDUIT       CONDUCTOR         1       1200       *(5) 4"       BY UTILITY CO.       & (1) GND         2       1200A       *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A       2 1/2"       (4) #4/0       & (1) #4 GND         4       100A       1 1/2"       (3) #1       & (1) #8 GND         5       60A       1"       (3) #4       & (1) #10 GND	IO.       AMPS       CONDUIT       CONDUCTOR         1       1200       *(5) 4"       BY UTILITY CO.       & (1) GND         2       1200A       *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A       2 1/2"       (4) #4/0       & (1) #4 GND         4       100A       1 1/2"       (3) #1       & (1) #8 GND         5       60A       1"       (3) #4       & (1) #10 GND         RALLEL FEEDER		FE	EDER	SCHE	DULE	(COPF	PER)		
2       1200A       *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A       2 1/2"       (4) #4/0       & (1) #4 GND         4       100A       1 1/2"       (3) #1       & (1) #8 GND         5       60A       1"       (3) #4       & (1) #10 GND         RALLEL FEEDER	2       1200A       *(3) 4"       ea w/ (4) #600Kcmil & (1) #3/0 GND         3       225A       2 1/2"       (4) #4/0       & (1) #4 GND         4       100A       1 1/2"       (3) #1       & (1) #8 GND         5       60A       1"       (3) #4       & (1) #10 GND         RALLEL FEEDER	10.		1						
3       225A       2 1/2"       (4) #4/0       & (1) #4       GND         4       100A       1 1/2"       (3) #1       & (1) #8       GND         5       60A       1"       (3) #4       & (1) #10       GND         RALLEL FEEDER	3       225A       2 1/2"       (4) #4/0       & (1) #4       GND         4       100A       1 1/2"       (3) #1       & (1) #8       GND         5       60A       1"       (3) #4       & (1) #10       GND         RALLEL FEEDER	$\leq$	1200		BY UTILIT	Y CO.	& (1)	GND		
4       100A       1 1/2"       (3) #1       & (1) #8       GND         5       60A       1"       (3) #4       & (1) #10       GND         RALLEL FEEDER	4       100A       1       1/2"       (3) #1       & (1) #8 GND       GND         5       60A       1"       (3) #4       & (1) #10 GND       GND       ORIGINAL SHEET SIZE: 22" x 34" HALF SIZE: 11" x 17"         RALLEL FEEDER	<u> </u>								
5       60A       1"       (3) #4       & (1) #10 GND       ORIGINAL SHEET SIZE: 22" x 34" HALF SIZE: 11" x 17"         RALLEL FEEDER       RALLEL FEEDER       ELECTRICAL	5       60A       1"       (3) #4       & (1) #10 GND       ORIGINAL SHEET SIZE: 22" x 34" HALF SIZE: 11" x 17"         RALLEL FEEDER         ELECTRICAL ONE-LINE	$\preceq$				0			Job #: 20	
RALLEL FEEDER	RALLEL FEEDER CONE-LINE	$\leq$							ORIGINAL SHEET SIZE: 22" x 34" HALF SIZE: 11" x 17"	
ELECTRICAL	ELECTRICAL ONE-LINE				"			-		
ONE-LINE									ELECTRICAI	
									ONE-LINE DIAGRAM	

Drawing Number

E1.1<sup>°</sup>

RESERVED FOR HOUSE PANEL SCHEDULES

	QTY PER F	LOOR				AREA	RESIDENTIA	SM APPL	MARY - MC1 LAUNDRY	COOKING	MICROWAVE		ELECT DRYER	WATER	DISPOSAL	MOTORS	LARGEST OF:
UNIT TYPE:	Lvi 1 Lvi 2 Lvi 3		LVI 6 LVI		TOTAL	(SF)	(3VA / SF)	(1500VA X 2)	(1500VA)					HEATER	(CONNECTED)		AC/HEATING
1 Bedroom	1 2 2	2			7	300	900	3000	1500	8000	1700	0	5400	C	900	0	0
2 Bedroom	2 4 4	4			14	578	1734	3000	1500	8000	1700	0	5400	C	900	0	0
3 Bedroom	1 4 4	4			13	700	2100	3000	1500	8000	1700	0	5400	C	900	0	о
TOTALS:	4 10 10	10 0	0 0	0	34	19292	57876	102000	51000	272000	57800	0	183600	C	30600	0	0
	VOLTS: TOTAL CONNEC DEMAND FACTO TOTAL CALCULA CALCULATED A NOTE:	R: TED:			755 0.3 226	3ph KVA Based o KVA AMPS	n Total Numbe	er of Residential	l Units = 34-36	i (See N.E.C. A	Article: 220.84	4)					
UNIT TYPE:	QTY PER F	LOOR		<u> </u>	TOTAL			SM APPL	LAUNDRY	COOKING	MICROWAVE	DISHWASHER	ELECT DRYER	WATER HEATER	DISPOSAL	MOTORS	LARGEST OF: AC/HEATING
	Lvi 1 Lvi 2 Lvi 3	Lvi 4 Lvi 5	LVI6 LVI			(57)	(3VA / SF)	(1500VA X 2)	(1500VA)	(CONNECTED)	(CONNECTED)	(CONNECTED)	(CONNECTED)		(CONNECTED)	(CONNECTED)	
1 Bedroom		2	2 2	2	8	300	900	3000	1500	8000			5400	C	900	0	0
2 Bedroom		4	4 4	4	16	578	1734	3000	1500	8000	1700	0	5400	C	900	0	0
3 Bedroom		4	4 4	4	16	700	2100	3000	1500	8000	1700	0	5400	С	900	0	0
TOTALS:	0 0 0	0 10	10 10	0 10	40	22848	68544	12 00	000	320000	68000	0	216000	C	36000	0	0
DWELLING UNIT LO	OAD CALCULATIO							JNIT LOAD	CALCULATI	DN				DWELLING	GUNIT LOAD C	ALCULATIO	N
DWELLING UNIT LO Project: Minnesota A		1						JNIT LOAD		DN					S UNIT LOAD C nesota Apartm		N
								nnesota Apart		DN					nesota Apartm		N
Project: Minnesota A Unit Type 1Bedroom							roject: Mir	nnesota Apart	ments	DN				Project: Min	nesota Apartm	nents	N
Project: Minnesota A Unit Type 1Bedroom Area: 300 squa Feeder (NEC 220.40):	partments				Minimum		roject: Mir Type 2Be Area: er (NEC 220.40):	nnesota Aparti edroom 578 square fe	ments		VA	Min	imum Size Feeder	Project: Min Unit Type 3 Be Area: (NEC 220.40):	droom 700 square feet	nents	
Project: Minnesota A Unit Type 1Bedroom Area: 300 squa Feeder (NEC 220.40): heral lighting load at 3 VA / SF all Appliance load (2 ckts at 1500V/	partments re feet(average)	900 V 3,00	/A /A		Minimum	General li Small Ap	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 V pliance load (2 ck	nnesota Aparta edroom 578 square fe VA / SF kts at 1500VA eac	ments et(average)	1,734 3,000	VA	Min	imum Size Feeder General lig Small Appl	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck	droom 700 square feet 'A / SF ts at 1500VA each)	nents t(average)	2,100 VA 3,000 VA
Project: Minnesota A Unit Type 1Bedroom Area: 300 squa Feeder (NEC 220.40): neral lighting load at 3 VA / SF all Appliance load (2 ckts at 1500V/ ndry Load (1 ckt at 1500VA) nge	partments refeet(average) A each)	900	/A /A		Minimum	General li Small Ap Laundry L Range	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 N pliance load (2 ck Load (1 ckt at 150	nnesota Aparta edroom 578 square fe VA / SF kts at 1500VA eac 00VA)	ments et(average)	1,734 3,000 0 8,000	VA VA VA	Min	imum Size Feeder General lig Small Appl Laundry Lo Range	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck bad (1 ckt at 150	droom 700 square feet /A / SF ts at 1500VA each) 0VA)	nents t(average)	2,100 VA 3,000 VA 1,500 VA 8,000 VA
Project: Minnesota A Unit Type 1Bedroom Area: 300 squa Feeder (NEC 220.40): teral lighting load at 3 VA / SF all Appliance load (2 ckts at 1500V/ ndry Load (1 ckt at 1500VA) toge er Cooking Appliance Load (Microw hwasher Load	partments refeet(average) A each)	900	/A /A		Minimur	General li Small Ap Laundry L Range Other Coo Dishwash	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 V pliance load (2 ck Load (1 ckt at 150 oking Appliance L her Load	nnesota Aparta edroom 578 square fe VA / SF kts at 1500VA eac	ments et(average)	1,734 3,000 0 8,000 1,700 0	VA VA VA VA VA	Min	imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck vad (1 ckt at 150 king Appliance L r Load	droom 700 square feet 'A / SF ts at 1500VA each)	nents t(average)	2,100 VA 3,000 VA 1,500 VA 8,000 VA 1,700 VA 0 VA
Project: Minnesota A Unit Type 1Bedroom Area: 300 squa Feeder (NEC 220.40): heral lighting load at 3 VA / SF all Appliance load (2 ckts at 1500V/ ndry Load (1 ckt at 1500VA) nge er Cooking Appliance Load (Microw hwasher Load ctric Dryer Load ctric Water Heater Load	partments refeet(average) A each)	900	VA VA		Minimum	General li Small Ap Laundry L Range Other Coo Dishwash Electric L Electric V	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 V pliance load (2 ck Load (1 ckt at 150 oking Appliance L her Load Dryer Load Water Heater Load	nnesota Aparta edroom 578 square fe VA / SF kts at 1500VA eac 00VA) Load (Microwave C	ments et(average)	1,734 3,000 0 8,000 1,700 0 0 0	VA	Min	imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe Electric Dr Electric Wa	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck bad (1 ckt at 150 king Appliance L r Load yer Load ater Heater Load	droom 700 square feet 'A / SF ts at 1500VA each) 0VA) oad (Microwave Ove	nents t(average)	2,100 VA 3,000 VA 1,500 VA 8,000 VA 1,700 VA 0 VA 5,400 VA 0 VA
Project: Minnesota A Unit Type 1Bedroom Area: 300 squa Feeder (NEC 220.40): heral lighting load at 3 VA / SF all Appliance load (2 ckts at 1500V/ ndry Load (1 ckt at 1500VA) hge er Cooking Appliance Load (Microw hwasher Load ctric Dryer Load	partments refeet(average) A each)	900	VA VA VA		Minimur	General li Small Ap Laundry L Range Other Cod Dishwash Electric D	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 V pliance load (2 ck Load (1 ckt at 150 oking Appliance L her Load Dryer Load Vater Heater Load load	nnesota Aparta edroom 578 square fe VA / SF kts at 1500VA eac 00VA) Load (Microwave C	ments et(average)	1,734 3,000 0 8,000 1,700 0 0 0 0 900	VA	Min	imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe Electric Dr	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck vad (1 ckt at 150 king Appliance L r Load yer Load ater Heater Load vad	droom 700 square feet 'A / SF ts at 1500VA each) 0VA) oad (Microwave Ove	nents t(average)	2,100 VA 3,000 VA 1,500 VA 8,000 VA 1,700 VA 0 VA 5,400 VA
Project: Minnesota A Unit Type 1Bedroom Area: 300 squa Feeder (NEC 220.40): neral lighting load at 3 VA / SF all Appliance load (2 ckts at 1500V/ ndry Load (1 ckt at 1500VA) nge er Cooking Appliance Load (Microw hwasher Load ctric Dryer Load ctric Dryer Load ctric Water Heater Load posal load	partments refeet(average) A each)	900 3,00 2, 1,, 0 0	VA VA VA		Minimur	General li Small Ap Laundry L Range Other Cor Dishwash Electric D Electric V Disposal Other mo	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 V pliance load (2 ck Load (1 ckt at 150 oking Appliance L her Load Dryer Load Vater Heater Load load	nnesota Aparta edroom 578 square fe VA / SF kts at 1500VA eac 00VA) Load (Microwave C	ments et(average)	1,734 3,000 0 8,000 1,700 0 0 0 0 900	VA V	Min	imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe Electric Dr Electric Wa Disposal Io	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck vad (1 ckt at 150 king Appliance L r Load yer Load ater Heater Load vad or loads	droom 700 square feet 'A / SF ts at 1500VA each) 0VA) oad (Microwave Ove	nents t(average)	2,100 VA 3,000 VA 1,500 VA 1,500 VA 1,700 VA 0 VA 5,400 VA 0 VA 0 VA
Project:       Minnesota A         Unit Type       1Bedroom         Area:       300       squa         Feeder (NEC 220.40):       squa         neral lighting load at 3 VA / SF       squa         all Appliance load (2 ckts at 1500V/)       squa         ndry Load (1 ckt at 1500VA)       squa         er Cooking Appliance Load (Microw hwasher Load       squa         ctric Dryer Load       ctric Water Heater Load         posal load       squa	partments re feet(average) A each) ave Oven)		VA VA VA		Minimur	General li Small Ap Laundry L Range Other Coo Dishwash Electric D Electric V Disposal Other mo	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 \ pliance load (2 ck oad (1 ckt at 150 oking Appliance L oking Appliance L oryer Load Dryer Load Nater Heater Load tor loads	nnesota Aparti edroom 578 square fe VA / SF kts at 1500VA eac 00VA) Load (Microwave C	ments et(average)	1,734 3,000 0 8,000 1,700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VA V	Min	imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe Electric Dr Electric Wa Disposal lo Other moto	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck bad (1 ckt at 150 king Appliance L r Load yer Load ater Heater Load bad or loads eral Loads"	droom 700 square feet (A / SF ts at 1500VA each) 0VA) oad (Microwave Ow	nents t(average)	2,100 VA 3,000 VA 1,500 VA 1,500 VA 1,700 VA 0 VA 5,400 VA 0 VA 900 VA 0 VA 22,600 VA
Project: Minnesota A Unit Type 1Bedroom Area: 300 squa Feeder (NEC 220.40): heral lighting load at 3 VA / SF all Appliance load (2 ckts at 1500V/ ndry Load (1 ckt at 1500VA) nge er Cooking Appliance Load (Microw hwasher Load ctric Dryer Load ctric Dryer Load ctric Dryer Load ctric Dryer Load ctric Vater Heater Load posal load er motor loads al "General Loads" tt 10 kVA of "general loads" at 100% mainder of "general loads" at 40%	partments re feet(average) A each) ave Oven)	900 3,00 2 1,1 0 0 0 10,0 1,800	VA VA VA			General li Small Ap Laundry L Range Other Coo Dishwash Electric D Electric V Disposal Other mo Total "Ge First 10 k Remainde	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 \ pliance load (2 ck Load (1 ckt at 150 oking Appliance L her Load Dryer Load Vater Heater Load load tor loads eneral Loads"	nnesota Aparti edroom 578 square fe VA / SF kts at 1500VA eac 00VA) Load (Microwave C id	ments et(average)	1,734 3,000 0 8,000 1,700 0 0 0 900 0 900 0 15,334 10,000 2,134	VA V		imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe Electric Dr Electric Wa Disposal lo Other moto Total "Gene First 10 kV	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck vad (1 ckt at 150 king Appliance L r Load yer Load ater Heater Load vad or loads	droom 700 square feet (A / SF ts at 1500VA each) 0VA) oad (Microwave Ow	nents t(average)	2,100 VA 3,000 VA 1,500 VA 1,500 VA 1,700 VA 0 VA 5,400 VA 0 VA 0 VA 0 VA 0 VA
Project: Minnesota A Unit Type 1Bedroom Area: 300 squa Feeder (NEC 220.40): heral lighting load at 3 VA / SF all Appliance load (2 ckts at 1500V/ ndry Load (1 ckt at 1500VA) nge er Cooking Appliance Load (Microw hwasher Load ctric Dryer Load ctric Dryer Load ctric Dryer Load ctric Water Heater Load posal load er motor loads al "General Loads" tt 10 kVA of "general loads" at 100% mainder of "general loads" at 40%	partments re feet(average) A each) ave Oven)	900 V 3,00 1,1 1,1 1,1 0 0 0 1,1 10,0 1,800 V	VA VA VA VA			General li Small Ap Laundry L Range Other Coo Dishwash Electric E Electric V Disposal Other mo Total "Ge First 10 k Remainde	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 N pliance load (2 ck Load (1 ckt at 150 oking Appliance L her Load Dryer Load Vater Heater Load Ioad tor loads eneral Loads" CVA of "general load eral load"	nnesota Aparti edroom 578 square fe VA / SF kts at 1500VA eac 00VA) Load (Microwave C id	ments et(average) et(average)  b) ch) ch) ch) ch	1,734 3,000 0 8,000 1,700 0 0 0 900 0 15,334 10,000 2,134 12,134	VA V		imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe Electric Dr Electric Wa Disposal lo Other moto Total "Gene First 10 kV	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck bad (1 ckt at 150 king Appliance L r Load yer Load ater Heater Load bad or loads eral Loads" (A of "general load	droom 700 square feet (A / SF ts at 1500VA each) 0VA) oad (Microwave Ow	nents t(average)	2,100 VA 3,000 VA 1,500 VA 1,500 VA 1,700 VA 0 VA 0 VA 0 VA 900 VA 0 VA 22,600 VA
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Project:       Minnesota A         Unit Type       1Bedroom         Area:       300       squa         Feeder (NEC 220.40):	partments re feet(average) A each) ave Oven) 6 than 4) at 65° re) at 4r	900 3,0 <sup>0</sup> 2 1,1 1,1 0 0 0 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,0000 1,0000 1,000 1,0000 1,0000 1,00000000	VA VA VA VA VA VA VA VA VA		Largest of -Or-	General li Small Ap Laundry L Range Other Coo Dishwash Electric E Electric V Disposal Other mo Total "Ge First 10 k Remainde	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 V pliance load (2 ck oad (1 ckt at 150 oking Appliance L ner Load Dryer Load Vater Heater Load Vater Heater Load tor loads eneral Loads" cVA of "general load eral load" 0 VA of electric s VA of electric s VA of air condi	nnesota Aparti edroom 578 square fe VA / SF kts at 1500VA eac 00VA) Load (Microwave C id bads" at 100% ds" at 40%	et(average) et(average) ch) Dven) Solution solution	1,734 3,000 0 8,000 1,700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VA	Larg	imum Size Feeder General lig Small Appl Laundry Lc Range Other Cook Dishwashe Electric Dr Electric Dr Electric Wa Disposal Ic Other moto Total "Gener First 10 kV Remainder Net "genera gest of: Dr- 6,500	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck bad (1 ckt at 150 king Appliance L r Load yer Load ater Heater Load bad or loads eral Loads" A of "general load of "general load al load" VA of electric s VA of electric s VA of air condit	droom 700 square feet /A / SF ts at 1500VA each) 0VA) coad (Microwave Ove ads" at 100% s" at 40%	t(average)	2,100 VA 3,000 VA 1,500 VA 1,500 VA 1,500 VA 0 VA 5,400 VA 0 VA 22,600 VA 10,000 VA 5,040 VA 10,000 VA 5,040 VA 0 VA 22,600 VA
Project:       Minnesota A         Unit Type       1Bedroom         Area:       300       squa         Feeder (NEC 220.40):	partments re feet(average) A each) ave Oven) 6 than 4) at 65° re) at 4r	900 X 3,0° 2,1,1 10,0 1,800 X 1,800 X 2,275 X 0 X 0 X 14,075 X	VA VA VA VA VA VA VA VA VA		Largest of -or- -or-	General Ii Small Ap Laundry L Range Other Coo Dishwash Electric D Electric V Disposal Other mo Total "Ge First 10 k Remainde Net "gene of. 5,000	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 V pliance load (2 ck oad (1 ckt at 150 oking Appliance L ner Load Dryer Load Nater Heater Load Vater Heater Load Ioad tor loads eneral Loads" EVA of "general load eral load" O VA of electric s VA of electric s VA of air condi	nnesota Aparti edroom 578 square fe VA / SF kts at 1500VA eac 00VA) Load (Microwave C id bads" at 100% ds" at 40% space heating (les space heating (les space heating (les space heating (les	et(average) et(average) ch) Dven) Sh) Dven) ss than 4) at 65% or more) at 40% at pumps at 100'	1,734 3,000 0 8,000 1,700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VA		imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe Electric Dr Electric Wa Disposal Ic Other moto Total "General First 10 kV Remainder Net "general gest of. Dr- 6,500 Dr- 120/208-volt, 4-wir	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck vad (1 ckt at 150 king Appliance L r Load yer Load ater Heater Load or loads eral Loads" A of "general load of "general load al load" VA of electric s VA of electric s VA of air condit AD e, single-phase	droom 700 square feet (A / SF ts at 1500VA each) 0VA) 00A (Microwave Ove 1 ads" at 100% s" at 40% space heating (less space heating (4 or tioning/cooling/heat service or feeder,	t(average)	2,100 VA 3,000 VA 1,500 VA 8,000 VA 1,700 VA 0 VA 5,400 VA 0 VA 900 VA 22,600 VA 10,000 VA 10,000 VA 10,000 VA 15,040 VA 0 VA 15,040 VA 15,040 VA
Project:       Minnesota A         Unit Type       1Bedroom         Area:       300       squa         Feeder (NEC 220.40):	partments re feet(average) A each) ave Oven) 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1	900 X 3,0° 2,1,1 10,0 1,800 X 1,800 X 2,275 X 0 X 0 X 14,075 X	VA VA VA VA VA VA VA VA VA VA VA VA VA		Largest of -or- -or- For 120/2	General li Small Ap Laundry L Range Other Coo Dishwash Electric D Electric V Disposal Other mo Total "Ge First 10 k Remainde Net "gene of: 5,000	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 V pliance load (2 ck Load (1 ckt at 150 oking Appliance L her Load Dryer Load Nater Heater Load Vater Heater Load Vater Heater Load itor loads eneral Loads" VA of "general load eral load" O VA of electric s VA of electric s VA of air condi O VA of air condi O VA of air condi O VA of air condi O VA of air condi	nnesota Aparti edroom 578 square fe VA / SF kts at 1500VA eac 00VA) Load (Microwave C id bads" at 100% ds" at 40% space heating (les space heating (les space heating (les space heating (les	et(average) et(average) (h) (h) (b) (c) (c) (c) (c) (c) (c) (c) (c	1,734 3,000 0 8,000 1,700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VA       Amps	Larg -C -C	imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe Electric Dr Electric Wa Disposal Ic Other moto Total "General First 10 kV Remainder Net "general gest of. Dr- 6,500 Dr- 120/208-volt, 4-wir 17,640	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck bad (1 ckt at 150 king Appliance L r Load yer Load ater Heater Load ad or loads eral Loads" A of "general load of "general load al load" VA of electric s VA of electric s VA of air condit AD e, single-phase VA / 208 volts =	droom 700 square feet (A / SF ts at 1500VA each) 0VA) 00A (Microwave Ove 1 ads" at 100% s" at 40% space heating (less space heating (4 or tioning/cooling/heat service or feeder,	than 4) at 65% more) at 40%	2,100 VA 3,000 VA 1,500 VA 8,000 VA 1,700 VA 0 VA 0 VA 5,400 VA 0 VA 22,600 VA 10,000 VA 10,000 VA 10,000 VA 10,000 VA 0 VA 22,600 VA 0 VA 0 VA 0 VA
Project:       Minnesota A         Unit Type       1Bedroom         Area:       300       squa         Feeder (NEC 220.40):       squa         teral lighting load at 3 VA / SF       squa         all Appliance load (2 ckts at 1500V/)       squa         orge       er Cooking Appliance Load (Microw)         hydrage       er Cooking Appliance Load       squad         er Cooking Appliance Load       code       squad         ctric Dryer Load       ctric Water Heater Load       squad         ctric Water Heater Load       squad       squad         posal load       er motor loads       squad       squad         all "General Loads"       squad 40%       squad 40%       squad 40%         "general load"       squad 40%       squad 40%       squad 40%         "general load"       squad 40%       squad 40%       squad 40%         TAL LOAD       single-ph.       ice of 10%       squad 40%	partments re feet(average) A each) ave Oven) 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1	900 X 3,0° 2,1,1 10,0 10,0 1,800 X 1,800 X 2,275 X 0 X 0 X 14,075 X 68 A	VA VA VA VA VA VA VA VA VA VA VA VA VA		Largest of -or- -or- For 120/2	General li Small Ap Laundry L Range Other Coo Dishwash Electric D Electric V Disposal Other mo Total "Ge First 10 k Remainde Net "gene of: 5,000	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 V pliance load (2 ck Load (1 ckt at 150 oking Appliance L her Load Dryer Load Nater Heater Load Vater Heater Load Vater Heater Load itor loads eneral Loads" VA of "general load eral load" O VA of electric s VA of electric s VA of air condi O VA of air condi O VA of air condi O VA of air condi O VA of air condi	nnesota Aparti edroom 578 square fe VA / SF kts at 1500VA eac 00VA) Load (Microwave C id bads" at 100% ds" at 40% space heating (les space heating (les space heating (les space heating (les	et(average) et(average) (h) (h) (b) (c) (c) (c) (c) (c) (c) (c) (c	1,734 3,000 0 8,000 1,700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VA       Amps	Larg -C -C	imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe Electric Dr Electric Wa Disposal Ic Other moto Total "General First 10 kV Remainder Net "general gest of. Dr- 6,500 Dr- 120/208-volt, 4-wir 17,640	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck bad (1 ckt at 150 king Appliance L r Load yer Load ater Heater Load ad or loads eral Loads" A of "general load of "general load al load" VA of electric s VA of electric s VA of air condit AD e, single-phase VA / 208 volts =	droom 700 square feet (A / SF ts at 1500VA each) 0VA) oad (Microwave Ove ads" at 100% s" at 40% space heating (less space heating (4 or tioning/cooling/heat	than 4) at 65% more) at 40%	2,100 VA 3,000 VA 1,500 VA 1,500 VA 1,500 VA 1,700 VA 0 VA 0 VA 900 VA 22,600 VA 10,000 VA 22,600 VA 10,000 VA 10,000 VA 10,000 VA 0 VA 115,040 VA 15,040 VA 17,640 VA
Project:       Minnesota A         Unit Type       1Bedroom         Area:       300       squa         Feeder (NEC 220.40):	partments re feet(average) A each) ave Oven) 6 6 6 7 9 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	900 X 3,0° 2,1,1 10,0 10,0 1,800 X 1,800 X 2,275 X 0 X 0 X 14,075 X 68 A	VA VA VA VA VA VA VA VA VA VA VA VA VA V	j-Jun-21	Largest of -or- -or- For 120/2 Therefore	General li Small Ap Laundry L Range Other Coo Dishwash Electric D Electric V Disposal Other mo Total "Ge First 10 k Remainde Net "gene of: 5,000 208-volt, 4-w 15,38- e, this dwelli	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 V pliance load (2 ck Load (1 ckt at 150 oking Appliance L her Load Dryer Load Nater Heater Load Nater Heater Load itor loads eneral Loads" VA of "general load eral load" O VA of electric s VA of electric s VA of air condi OAD vire, single-phase 4 VA / 208 volts ing unit shall be p	annesota Aparti         edroom         578       square fe         VA / SF         kts at 1500VA eac         00VA)         Load (Microwave C         id         bads" at 100%         ds" at 40%         space heating (les         space he	ments et(average) et(average) (1) (1) (1) (1) (1) (1) (1) (1	1,734 3,000 0 8,000 1,700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VA       Amps	Larç -C -C The	imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe Electric Dr Electric Wa Disposal lo Other moto Total "Gener First 10 kV Remainder Net "genera gest of Dr- 6,500 Dr- TOTAL LO 120/208-volt, 4-wir 17,640 refore, this dwelling	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck bad (1 ckt at 150 king Appliance L r Load yer Load ater Heater Load ad or loads eral Loads" A of "general load of "general load al load" VA of electric s VA of air condif AD e, single-phase VA / 208 volts = g unit shall be pu MF ne mod	Inesota Apartm droom 700 square feet 'A / SF ts at 1500VA each) 0VA) oad (Microwave Ove 1 ads" at 100% s" at 40% space heating (less space heating (less space heating (4 or tioning/cooling/heat service or feeder, = ermitted to be serve IA CIRCUIT DIRECT unting	t(average)	2,100 VA 3,000 VA 1,500 VA 1,500 VA 1,500 VA 1,700 VA 0 VA 0 VA 900 VA 22,600 VA 10,000 VA 22,600 VA 10,000 VA 10,000 VA 10,000 VA 0 VA 115,040 VA 15,040 VA 17,640 VA
Project:       Minnesota A         Unit Type       IBedroom         Area:       300       squa         Feeder (NEC 220.40):       real lighting load at 3 VA / SF       squa         all Appliance load (2 ckts at 1500V/)       ndry Load (1 ckt at 1500VA)       squad         ge       er Cooking Appliance Load (Microw hwasher Load       ctric Dryer Load       ctric Dryer Load         ctric Dryer Load       ctric Dryer Load       ctric Vater Heater Load       posal load       at 10 kVA of "general loads" at 100%         all "General Loads"       at 10 kVA of "general loads" at 40%       "general load"       at 3,500       VA of electric usice heating         XA of electric usice heating       VA of electric usice heating       VA of electric usice heating       VA of electric usice heating         MEIA CIRCUIT       MEIA CIRCUIT       MEIA CIRCUIT       MEIA CIRCUIT         Meter Name       mounting       mounting       MEIA CIRCUIT         Meter Name       mounting       MEIA CIRCUIT       MEIA CIRCUIT         Meter Name       mounting       MEIA CIRCUIT       MEIA CIRCUIT         Mage       phase       mounting       MEIA CIRCUIT	partments re feet(average) A each) ave Oven) 6 6 7 9 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	900 V 3,00 0 0 11,1 1,1 0 0 0 0 10,0 1,800 V 1,800 V 1,800 V 0 14,075 V 68 A 00 amp service	VA VA VA VA VA VA VA VA VA VA VA VA VA V	-Jun-21	Largest of -or- -or- For 120/2 Therefore	General li Small Ap Laundry L Range Other Coo Dishwash Electric D Electric V Disposal Other mo Total "Ge First 10 k Remainde Net "gene of: 5,000 Cooler Na 208-volt, 4-w 15,38- e, this dwelli	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 V pliance load (2 ck Load (1 ckt at 150 oking Appliance L her Load Dryer Load Nater Heater Load Nater Heater Load itor loads eneral Loads" VA of "general load eral load" O VA of electric s VA of air condi OAD vire, single-phase 4 VA / 208 volts ing unit shall be p MF ame mc CAL)	annesota Aparti         edroom         578       square fe         VA / SF         kts at 1500VA eac         00VA)         Load (Microwave C         id         bads" at 100%         ds" at 40%         space heating (les         space or feeder,         =         bermitted to be ser         FIA CIRCUIT DIREC         panting         RECESSED         ase	ments et(average)	1,734 3,000 0 8,000 1,700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VA         Amps         X         X         X         X         X         X	Larç -C -C The	imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe Electric Dr Electric Wa Disposal Io Other moto Total "Gener Total "Gener First 10 kV Remainder Net "genera gest of Dr- 6,500 Dr- TOTAL LO/ 120/208-volt, 4-wir 17,640 refore, this dwelling	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck bad (1 ckt at 150 king Appliance L r Load yer Load ater Heater Load ad or loads eral Loads" A of "general load of "general load al load" VA of electric s VA of air condif AD e, single-phase VA / 208 volts = g unit shall be pu MF ne mod	Inesota Apartm         droom         700       square feet         'A / SF       ts at 1500VA each)         0VA)       oad (Microwave Over         ads" at 100%       s"         space heating (less       space heating (less         service or feeder,       service         the dot be serve       service         the dot be serve       service         the dot be serve       service         the dot be se	nents         t(average)         t(average)         i </td <td>2,100 VA 3,000 VA 1,500 VA 8,000 VA 1,500 VA 0 VA 5,400 VA 900 VA 900 VA 22,600 VA 10,000 VA 5,040 VA 10,000 VA 2,600 VA 11,7,640 VA 0 VA 2,600 VA 11,7,640 VA 3,000 VA 3,040 VA 4,000 VA 5,040 VA 4,000 VA 5,040 VA 4,000 VA 4,000 VA 5,040 VA 4,000 VA 5,040 VA 4,000 VA 5,040 VA 4,000 VA 5,040 VA 4,000 VA 5,040 VA 4,000 VA 4,000 VA 5,040 VA 5,040 VA 4,000 VA 4,000 VA 5,040 VA 5,040 VA 4,000 VA 5,040 VA 5,040 VA 5,040 VA 4,000 VA 5,040 VA</td>	2,100 VA 3,000 VA 1,500 VA 8,000 VA 1,500 VA 0 VA 5,400 VA 900 VA 900 VA 22,600 VA 10,000 VA 5,040 VA 10,000 VA 2,600 VA 11,7,640 VA 0 VA 2,600 VA 11,7,640 VA 3,000 VA 3,040 VA 4,000 VA 5,040 VA 4,000 VA 5,040 VA 4,000 VA 4,000 VA 5,040 VA 4,000 VA 5,040 VA 4,000 VA 5,040 VA 4,000 VA 5,040 VA 4,000 VA 5,040 VA 4,000 VA 4,000 VA 5,040 VA 5,040 VA 4,000 VA 4,000 VA 5,040 VA 5,040 VA 4,000 VA 5,040 VA 5,040 VA 5,040 VA 4,000 VA 5,040 VA
Project:       Minnesota A         Unit Type       1Bedroom         Area:       300       squa         Feeder (NEC 220.40):	partments re feet(average) A each) ave Oven) 6 6 6 7 7 8 7 8 7 8 7 9 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	900 V 3,0° 0 11,1 1,1 0 0 0 10,0 1,800 V 1,800 V 1,800 V 0 0 0 14,075 V 68 A 00 amp service	VA VA VA VA VA VA VA VA VA VA VA VA VA V		Largest of -or- -or- For 120/2 Therefore	General Ii Small Ap Laundry L Range Other Coo Dishwash Electric I Electric V Disposal Other mo Total "Ge First 10 k Remainde Net "gene of: 5,000 208-volt, 4-w 15,38- e, this dwelli	roject: Mir Type 2Be Area: er (NEC 220.40): ighting load at 3 V pliance load (2 ck Load (1 ckt at 150 oking Appliance L her Load Dyer Load Nater Heater Load Nater Heater Load itor loads eneral Loads" VA of "general load eral load" O VA of electric s VA of air condi DAD vire, single-phase 4 VA / 208 volts ing unit shall be p MF ame mod CAL) pha	annesota Aparti         edroom         578       square fe         VA / SF         kts at 1500VA eac         00VA)         Load (Microwave C         id         bads" at 100%         ds" at 40%         space heating (les         space or feeder,         =         bermitted to be ser         FIA CIRCUIT DIREC         pase         1       1004	ments       Image: Comparison of the sector of	<ul> <li>1,734</li> <li>3,000</li> <li>0</li> <li>8,000</li> <li>1,700</li> <li>0</li> <li>15,334</li> <li>12,134</li> <li>3,250</li> <li>0</li> <li>0</li> <li>15,384</li> <li>74</li> <li>100</li> <li>amp servic</li> </ul>	VA       I         VA       I      VA       I	Ay-21	imum Size Feeder General lig Small Appl Laundry Lo Range Other Cook Dishwashe Electric Dr Electric Wa Disposal Ic Other moto Total "General First 10 kV Remainder Net "general gest of. Dr- 6,500 Dr- 120/208-volt, 4-wir 17,640 refore, this dwelling	Project: Min Unit Type 3 Be Area: (NEC 220.40): hting load at 3 V iance load (2 ck bad (1 ckt at 150 king Appliance L r Load yer Load ater Heater	Inesota Apartm         droom         700       square feet         'A / SF       ts at 1500VA each)         ovA)       oad (Microwave Ove         oad (Microwave Ove       ads" at 100%         s" at 40%       space heating (less         space heating (less       space heating (4 or tioning/cooling/heat         service or feeder, =       ermitted to be serve         IA CIRCUIT DIRECT       unting         RECESSED       IA CIRCUIT DIRECT	nents         t(average)         t(average)         i </td <td>2,100       VA         3,000       VA         3,000       VA         1,500       VA         8,000       VA         1,700       VA         3,000       VA         1,700       VA         3,000       VA         1,700       VA         0       VA         900       VA         900       VA         10,000       VA         10,000       VA         10,000       VA         22,600       VA         115,040       VA         0       VA         117,640       VA         85       Am         100       amp service.        </td>	2,100       VA         3,000       VA         3,000       VA         1,500       VA         8,000       VA         1,700       VA         3,000       VA         1,700       VA         3,000       VA         1,700       VA         0       VA         900       VA         900       VA         10,000       VA         10,000       VA         10,000       VA         22,600       VA         115,040       VA         0       VA         117,640       VA         85       Am         100       amp service.

		-		-		
LTS RECEPT - BATH	20/1	3	*	4	20/1(A)	APPLIANCE CIRCUIT
LTS & RECEPT - LIVING	20/1(A)	5	*	6	20/1	REFRIGERATOR
LTS & RECEPT - LIVING (OPT)	20/1(A)	7	*	8	20/1	MICRO/HOOD
LTS & RECEPT - BEDROOM	20/1(A)	9	*	10	30/2	RANGE (2-BURNER)
SPARE	20/1	11	*	12	*	*
SPARE	20/1	13	*	14	20/1	DISPOSAL (OPTIONAL)
SMART PANEL (OPTIONAL)	20/1	15	*	16	20/1	SPARE
SPARE	20/1	17	*	18	20/1	SPARE
SPARE	20/1	19	*	20	20/1	SPARE
BLANK		21	*	22		BLANK
BLANK		23	*	24		BLANK
BLANK		25	*	26		BLANK
BLANK		27	*	28		BLANK
BLANK		29	*	30		BLANK
NOTES:						
1						

1. (A) DENOTES: ARC-FAULT INTERRUPTER CIRCUIT BREAKER. INSTALL PER NEC 210.12

2. LOADS FOR THIS PANEL ARE INDICATED ON THE "DWELLING UNIT LOAD CALCULATION".

3. BREAKER & WIRE SHALL BE SIZED FOR EQUIPMENT INSTALLED.

4. (G) DENOTES GFCI RATED BREAKER.

		3						
LC-2BR (TYPICAL)		RECES	SSED					LC-3BR (T
voltage	phase			b	us & ma	ain		volta
208/120	1		1004	٩M	ILO	(SCCR:	22K)	208/
service	a/p	no.	L1	L2	no.	a/p	service	servi
LIGHTS-KITCHEN/LIVING	20/1(A)	1	*		2	20/1(A)	APPLIANCE CIRCUIT	LIGHTS-KITCHEN/
LTS & RECEPT - BATH	20/1	3		*	4	20/1(A)	APPLIANCE CIRCUIT	LTS & RECEPT - E
LTS & RECEPT - LIVING	20/1(A)	5	*		6	20/1	REFRIGERATOR	LTS & RECEPT - L
LTS & RECEPT - LIVING (OPT)	20/1(A)			*	8	20/1	MICRO/HOOD	LTS & RECEPT - L
LTS & RECEPT - BEDROOM	20/1(A)	9	*		10	30/2	RANGE (2-BURNER)	LTS & RECEPT - E
LTS & RECEPT - BEDROOM	20/1(A)	11		*	12	*	*	LTS & RECEPT - E
SPARE	20/1	13	*		14	20/1	DISPOSAL (OPTIONAL)	LTS & RECEPT - E
SMART PANEL (OPTIONAL)	20/1	15		*	16	20/1	SPARE	SMART PANEL (O
SPARE	20/1	17	*		18	20/1	SPARE	WASHER
SPARE	20/1	19		*	20	20/1	SPARE	SPARE
BLANK		21	*		22		BLANK	BLANK
BLANK		23		*	24		BLANK	BLANK
BLANK		25	*		26		BLANK	BLANK
BLANK		27		*	28		BLANK	BLANK
BLANK		29	*		30		BLANK	BLANK
NOTES:								NOTES:
1. (A) DENOTES: ARC-FAULT INT	ERRUPTE	R CIRC	UIT B	RE	AKER.	INSTALL	. PER NEC 210.12	1. (A) DENOTES: A
2. LOADS FOR THIS PANEL ARE	INDICATE	D ON T	THE "I	DW	ELLING	G UNIT LO	DAD CALCULATION".	2. LOADS FOR TH
3. BREAKER & WIRE SHALL BE	SIZED FOI	R EQUI	PME	NT	INSTAL	LED.		3. BREAKER & W
4. (G) DENOTES GFCI RATED BF	REAKER.							4. (G) DENOTES G

	MFIA C	IRCUIT	DIRE	СТС	DRY			25-Jun-21
Loadcenter Name	mountin	g			location	ı		
LC-3BR (TYPICAL)		RECES	SEL	ן כ				
voltage	phase			bı	us & ma	in		
208/120	1		100	A M	LO	(SCCR:	22K)	
service	a/p	no.	L1	L2	no.	a/p	service	
KITCHEN/LIVING	20/1(A)	1	*		2	20/1(A)	APPLIANCE CIRCUIT	
ECEPT - BATH	20/1	3		*	4	20/1(A)	APPLIANCE CIRCUIT	
ECEPT - LIVING	20/1(A)	5	*		6	20/1	REFRIGERATOR	
ECEPT - LIVING (OPT)	20/1(A)	7		*	8	20/1	MICRO/HOOD	
ECEPT - BEDROOM	20/1(A)	9	*		10	30/2	RANGE (2-BURNER)	
ECEPT - BEDROOM	20/1(A)	11		*	12	*	*	
ECEPT - BEDROOM	20/1(A)	13	*		14	20/1	DISPOSAL (OPTIONAL)	
PANEL (OPTIONAL)	20/1	15		*	16	30/2	DRYER	
R	20/1	17	*		18	*	*	
	20/1	19		*	20	20/1	SPARE	
		21	*		22		BLANK	
		23		*	24		BLANK	
		25	*		26		BLANK	
		27		*	28		BLANK	
		29	*		30		BLANK	

1. (A) DENOTES: ARC-FAULT INTERRUPTER CIRCUIT BREAKER. INSTALL PER NEC 210.12

2. LOADS FOR THIS PANEL ARE INDICATED ON THE "DWELLING UNIT LOAD CALCULATION".

3. BREAKER & WIRE SHALL BE SIZED FOR EQUIPMENT INSTALLED.

4. (G) DENOTES GFCI RATED BREAKER.



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john@wright-architecture.com 503.206.8380

Project Owner: NATIVE LAND DEVELOPMENT

Project Name:

MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)





Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZE: HALF SIZE: 11" x 17"	22" x 34"

RESIDENTIAL LOAD SUMMARY

E1.12

TYPE	LAMP	MANUFACTURER	LIGHTING FIXT CATALOG NUMBER	DESCRIPTION	OPTIONS
A1 A1E	LED 3000K 2300LM 20W	NEO RAY LIGHTING (OR APROVED OTHER)	S124DWC575D SERIES	TYPE :4FT WALL BRACKET MOUNTING :SURFACE (+7'-0" MIN) HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT A1E SHALL HAVE BATTERY BACKUP STAIRWELLS
A2	LED	LITHONIA LIGHTING	ZL1N-L46 SERIES	TYPE :4FT GENERAL PURPOSE STRIP	
πz	3000K 3000LM	(OR APROVED OTHER)	ZEIN-L40 SENIES	MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT	
	31W			BALLAST :LED DRIVER	STORAGE SPACE
B1 B1E	LED 3000K 2300LM	NEO RAY LIGHTING (OR APROVED OTHER)	S124DSC575D SERIES	TYPE :4FT LINEAR DIRECT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT	FINISH PER ARCHITECT B1E SHALL HAVE BATTERY BACKUP
~	20W			BALLAST :LED DRIVER	BIKE & EQUIPMENT ROOMS
C1 C1E	LED 3000K 1075LM	USAI LIGHTING (OR APROVED OTHER)	P4RDF SERIES	TYPE :4.5" DIA DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :NA VOLTAGE :MVOLT	FINISH PER ARCHITECT C1E SHALL HAVE BATTERY BACKUP
	9W			BALLAST :LED DRIVER	LOBBY, CORRIDORS
C2 C2E	LED 3000K 1175LM	USAI LIGHTING (OR APROVED OTHER)	P3RD SERIES	TYPE :3" DIA DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :NA VOLTAGE :MVOLT	FINISH PER ARCHITECT C2E SHALL HAVE BATTERY BACKUP
	9W			BALLAST :LED DRIVER	LOBBIES
D1	LED 3000K 1790LM	QUOIZEL LIGHTING (OR APROVED OTHER)	PCOH282401SERIES	TYPE :24" DIA PENDANT MOUNTING :SUSPENDED HOUSING :STEEL LENS/REFL :ACRYLIC	FINISH PER ARCHITECT VERIFY MOUNTING HEIGHT
	34W			VOLTAGE :MVOLT BALLAST :LED DRIVER	MAIN LOBBY
S1	LED 3000K 1000LM	LIGHTOLIER LIGHTING (OR APROVED OTHER)	S7R SERIES	TYPE :7" DIA. DOWNLIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC	FINISH PER ARCHITECT
	14W			VOLTAGE :MVOLT BALLAST :LED DRIVER	UL LISTED WET LOCATION BUILDING EXTERIOR
S2	LED 3000K 1000LM	ALCON LIGHTING (OR APROVED OTHER)	11235 DIR-15 SERIES	TYPE :5" DIA EXTERIOR CYLINDER MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :CLEAR TEMPERED GLASS VOLTAGE :MVOLT	FINISH PER ARCHITECT 60 DEGREE WIDE FLOOD
	15W			BALLAST :LED DRIVER	UL LISTED WET LOCATION ENTRY CANOPY
S3	LED 3000K 2130LM 20W	STONCO LIGHTING (OR APROVED OTHER)	LPW16 SERIES	TYPE :EXTERIOR WALL PACK MOUNTING :SURFACE (ABOVE DOOR) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE III DISTRIBUTION BUILDING SERVICE ENTRANCE
U1	LED 2700K 1000LM	DESIGN CLASSICS (OR APPROVED OTHER)	DFR615-H-927-WH	TYPE :6" DIA CEILING LIGHT MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :ACRYLIC	
	15W			VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	UL LISTED WET LOUNIT KITCH' L BATH,
U2	LED 3000K 1600LM	KUZCO LIGHTING (OR APPROVED OTHER)	FM3511 SERIES	TYPE :11" DIA CEILING LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :FROSTED GLASS	FINIS' ARCHITECT
	20W			VOLTAGE :120V BALLAST :LED DRIVER (0–10 DIMMING)	UNIT BL
U3	LED 3000K 1600LM	KUZCO LIGHTING (OR APPROVED OTHER)	VL62220 SERIES	TYPE :20" VANITY BAR MOUNTING :SURFACE (=6" ABOV <sup>T</sup> (OR) HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V	NISH PER A. LOT
	20W			BALLAST :LED DRIVE ING)	UNIT BATHROOM
U4	LED 3000K 800LM	KUZCO LIGHTING (OR APPROVED OTHER)	EW3105 SERIES	TYPE :EXT SCONCE MOUNTING :SURFA 35F7 ) HOUSING :ALUMINUM LENS/REFL :TEMPERED G. VOLTAGE :120V	FINISH PER ARCHITECT
	12W			BALLAST :LED DRIVER	
X1 X2	LED (GREEN LETTERS)	LITHONIA DMF LIGHTING (OR APROVED OTHER)	LE EL N SERIES DLED500EM-G	TYPE :EXIT SIGN MOUNTING :UNIVERSAL HOUSING :DIE—CAST ALUMINUM LENS/REFL :SINGLE FACE/DUAL FACE	X1=SINGLE SIDE X2=DOUBLE SIDE

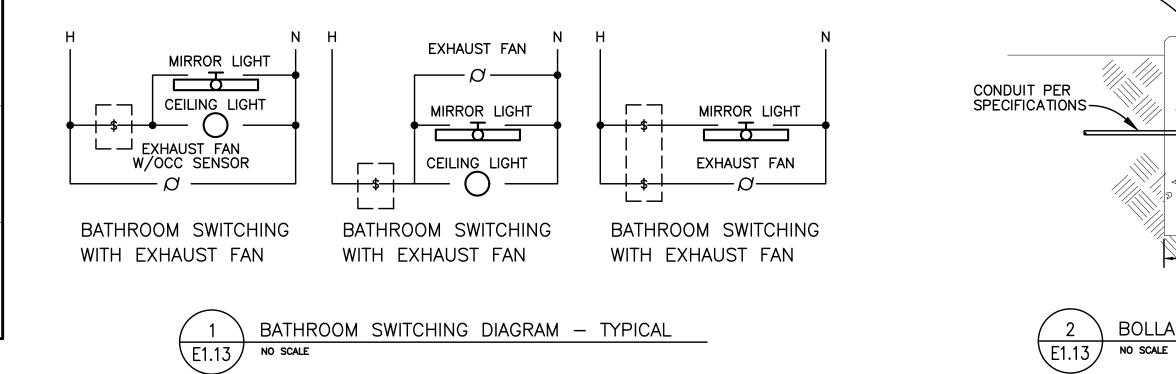
	MECHANICAL EQUIPMENT SCHEDULE								
NO.	EQUIPMENT NAME	HP/KW	VOLTS	PH	AMPS	CONDUIT	WIRE	GND	CIRCUIT
EF-1	EXHAUST FAN NO.1	11.0W	120	1		1/2"	<b>#</b> 12	<b>#</b> 12	SEE TYP. UNITS E3.02
EF-2	EXHAUST FAN NO.2	11.0W	120	1		1/2"	<b>#</b> 12	<b>#</b> 12	HP-10 (PC)
SF-1	SUPPLY FAN NO.1	16.0W	120	1		1/2"	<b>#</b> 12	<b>#</b> 12	SEE POWER PLANS
EH—1	WALL HEATER NO.1	1.5KW	240	1		1/2"	<b>#</b> 12	<b>#</b> 12	SEE POWER PLANS
EH-2	WALL HEATER NO.2	500W	120	1		1/2"	<b>#</b> 12	<b>#</b> 12	H1-8
EH-3	WALL HEATER NO.3	1.5KW	240	1		1/2"	<b>#</b> 12	<b>#</b> 12	H1-35,37
B-1	BOILER NO.1 (GAS)		120	1		1/2"	<b>#</b> 12	<b>#</b> 12	H1-20 (PC)
B-2	BOILER NO.2 (GAS)		120	1		1/2"	<b>#</b> 12	<b>#</b> 12	H1-20 (PC)
P-1	PUMP NO. 1	336W	120	1		1/2"	<b>#</b> 12	<b>#</b> 12	H1-20 (PC)
RP-1	RECIRC PUMP NO.1	1/2HP	120	1		1/2"	<b>#</b> 12	<b>#</b> 12	H1-24
RP-2	RECIRC PUMP NO.2	1/2HP	120	1		1/2"	<b>#</b> 12	<b>#</b> 12	H1-26
SF-1	SUPPLY FAN NO.1		120	1		1/2"	<b>#</b> 12	<b>#</b> 12	SEE POWER PLANS
SP-1	SUMP PUMP NO.1	2x 3/4HP	208	3		1/2"	<b>#</b> 12	<b>#</b> 12	H1-28,30,32
WH-1	WATER HEATER NO.1 (GAS)		120	1		1/2"	<b>#</b> 12	<b>#</b> 12	H1-22 (PC)
WH-2	WATER HEATER NO.2 (GAS)	)	120	1		1/2"	<b>#</b> 12	<b>#</b> 12	H1-22 (PC)

- A. WHEREVER POSSIBLE, SELECTED LIGHT FIXTURES SHALL HAVE ENERGY EFFICIENT LAMPS, BALLASTS DRIVERS AND/OR HAVE ENERGY COMPLIANT RATH SUCH AS DLC, ENERGY STAR, ETC.
- B. VERIFY ALL FIXTURE FINISHES WITH ARCH TO BID.
- C. VERIFY ALL FIXTURE LOCATIONS AND INTING HEIGHTS WITH ARCHITECT PRIOR TO RU
- D. ALL LIGHTING SHALL BE 3000 KELVIN UNL OTHERWISE NOTED.
- E. ALL PRODUCT SUBSTITUTION AND ENGINEERING SHALL BE SUL TED P PHASE, SHALL METT DESIGN TN ND AND SUBJECT TO OWN APPROVA
- F. EGRESS LIGHTING SH. BE PR ED TO MEET MINIMUM LIGHT LEVELS DESC ID PER OREGON STRUCTU
- G. BUILPING E. OK ITING SHALL BE CO' LED PHOTOCELL, EITHER INTEGRAL OR REMU OR BI F CLOCK FOR DUSK-TILL-DAWN OPERA.
  - TING F. PES D∠SIGNATED AS NIGHT LIGHTS ND S. 'ELL LIGHTS SHALL BE ON 24/7.
  - 'RW. LIGHTS SHALL BE PROVIDED WITH
     'PAN SENSOR(S), EITHER INTEGRAL OR
     E, TO PROVIDE 50% LIGHT REDUCTION DURING
     OF INACTIVITY. ONCE ACTIVATED, LIGHTS ARE
     TO MAIN AT 100% OUTPUT FOR A MINIMUM OF 20
     'INUTES.

DESIGN INTENT FOR CORRIDOR LIGHTING SHALL BE SUCH THAT LIGHTS INDICATED AS NIGHT LIGHTS (N.L.), SHALL BE ON 24/7. ALL OTHER LIGHT FIXTURES TO BE CIRCUITED VIA TIME CLOCK TO REDUCE CORRIDOR LIGHTING BY 50% DURING PERIODS OF LOW ACTIVITY (IE. 12AM – 4AM OR AS DIRECTED BY OWNER).

#### GENERAL EQUIPMENT NOTES:

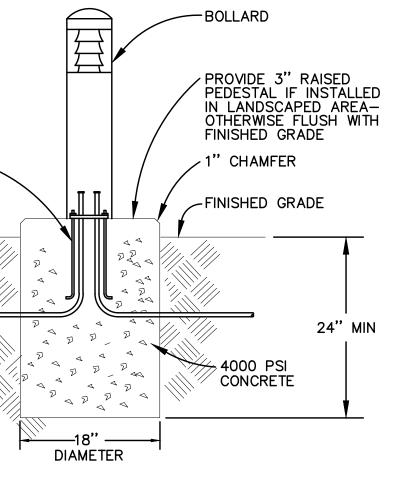
- A. CONTRACTOR/DESIGNER SHALL VERIFY ALL MECHANICAL EQUIPMENT CONNECTION LOAD REQUIREMENTS WITH THE MECHANICAL EQUIPMENT PROVIDER PRIOR TO ROUGH IN.
- B. MECHANICAL EQUIPMENT SIZES SHOWN IN THE MECHANICAL SCHEDULE ABOVE ARE FOR REFERENCE ONLY AND MAY NOT REFLECT THE ACTUAL EQUIPMENT TO BE INSTALLED.
- C. INDOOR & OUTDOOR COMPONENTS OF THE MINI-SPLIT SYSTEMS ARE INTERCONNECTED. CONSULT WITH AND COORDINATE THE ELECTRICAL REQUIREMENTS AND EXACT LOCATIONS WITH THE HVAC EQUIPMENT INSTALLER PRIOR TO ROUGH IN.
- D. REFER TO TYPICAL UNIT PLAN LOAD CENTER SCHEDULES ON THIS SHEET FOR CIRCUITING INFORMATION.



#### BOLLARD LIGHT DETAIL

MANUFACTURER'S

ANCHOR BOLTS TYPICAL



# 

& DETAILS

E1.13

Drawing Number



Issued:

-



1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

MINNESOTA PLACES

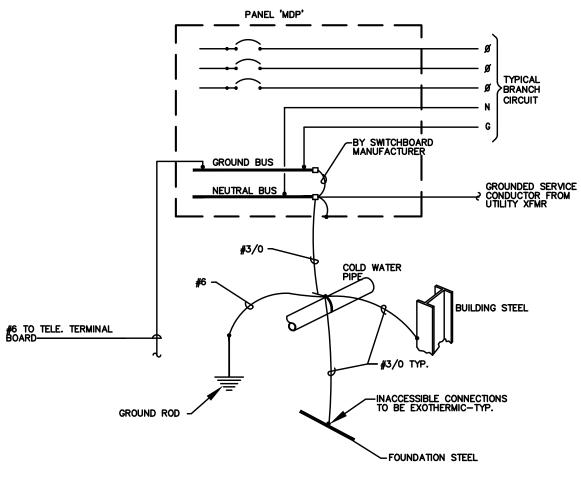
Project Name:

Project Owner: NATIVE LAND DEVELOPMENT

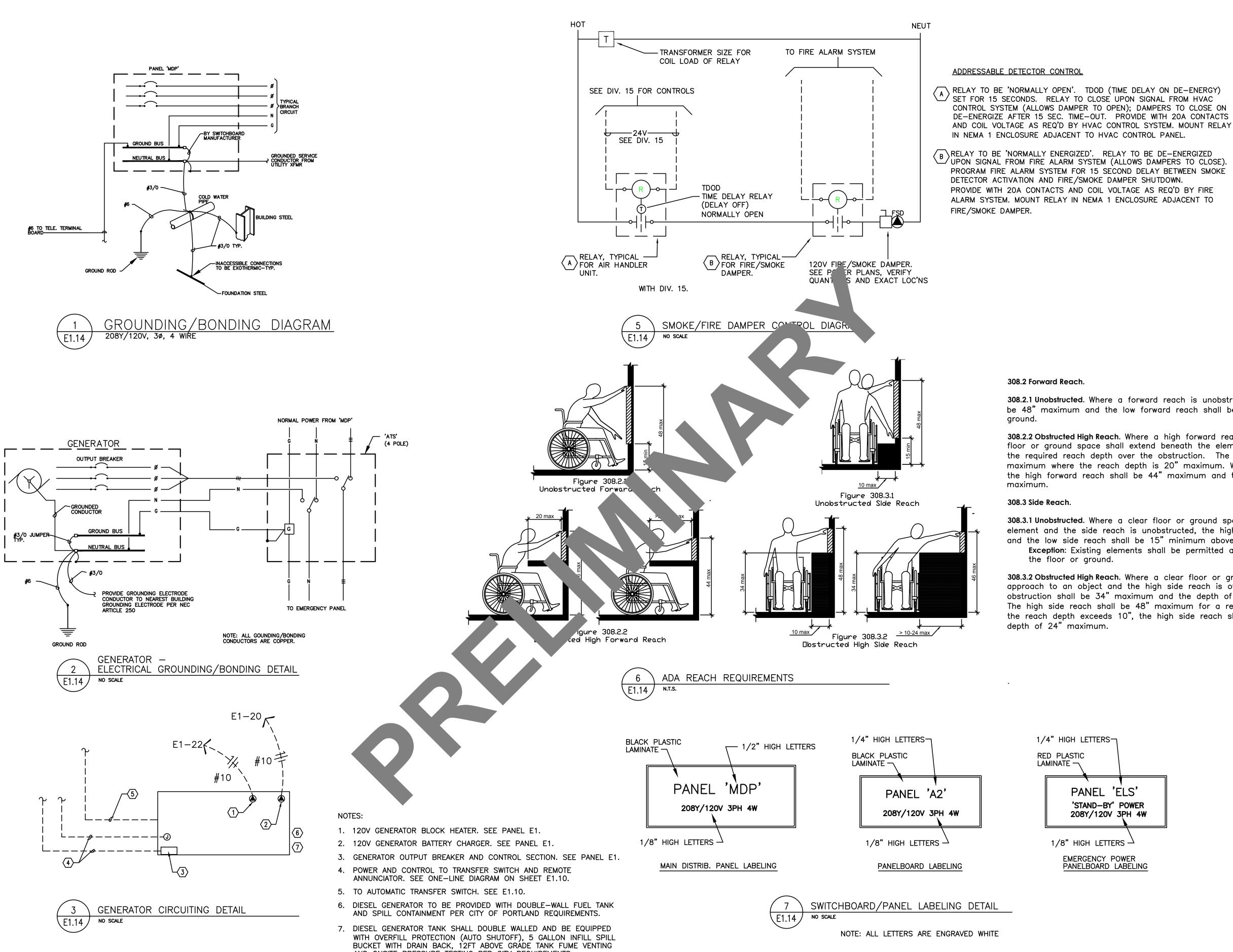
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AND ONSITE PRESSURE TESTING PER CITY REQUIREMENTS.



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Project Owner: NATIVE LAND DEVELOPMENT

Project Name:

MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)



#### DESIGN DEVELOPMENT SET

Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZE: 2 HALF SIZE: 11" x 17"	22" x 34"

ELECTRICAL DETAILS

Drawing Number

**E1** 

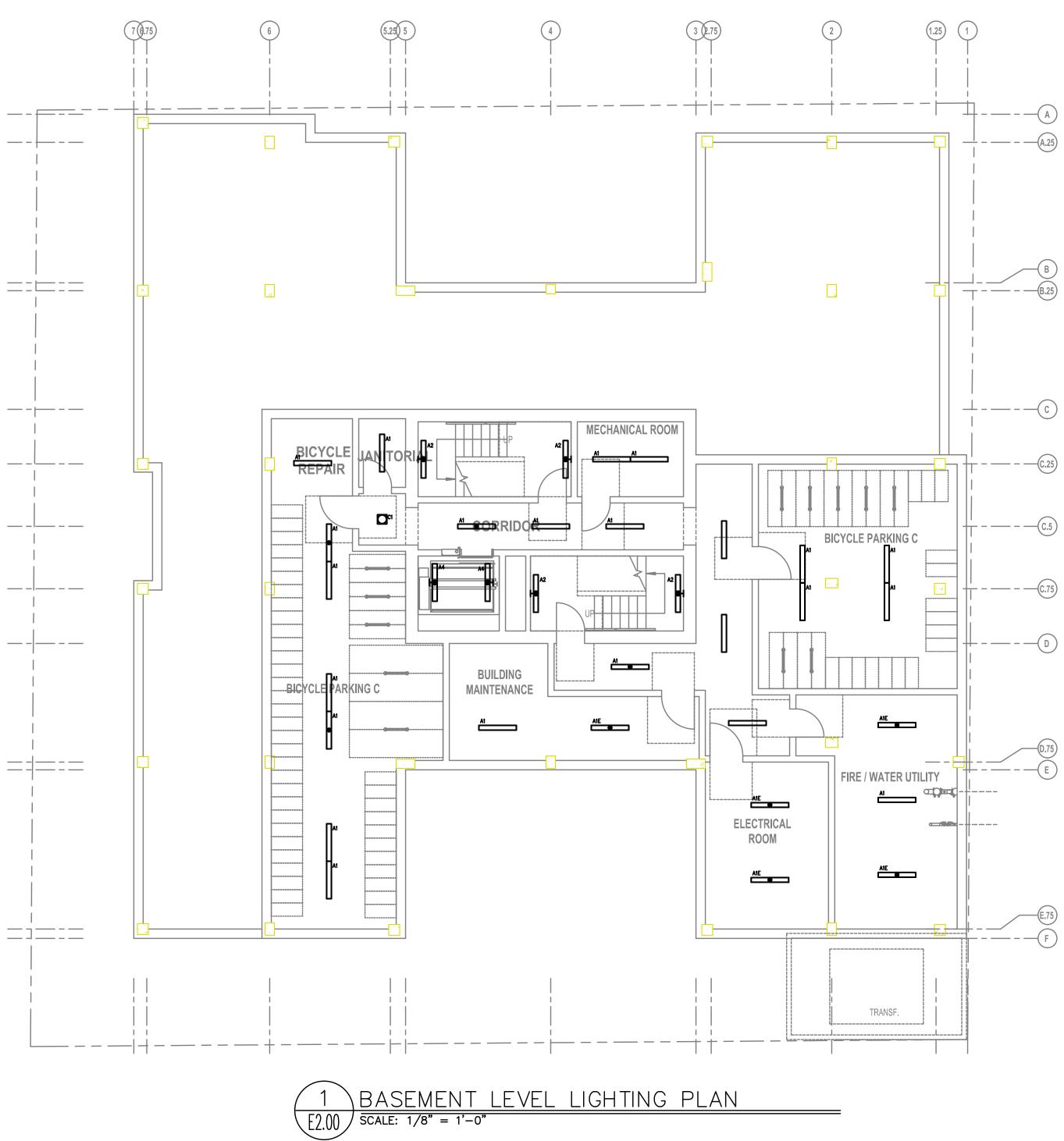
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308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the floor or

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor or ground space shall extend beneath the element for a distance not less thank the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25"

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48" maximum and the low side reach shall be 15" minimum above the floor or ground. Exception: Existing elements shall be permitted at 54" maximum above

308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an object and the high side reach is over an obstruction, the height of the obstruction shall be 34" maximum and the depth of the obstruction shall 24" maximum. The high side reach shall be 48" maximum for a reach depth of 10" maximum. Where the reach depth exceeds 10", the high side reach shall be 46" maximum for a reach



- AND DURING CONSTRUCTION.
- В.
- LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.
- D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE. E. ADDITIONAL INFORMATION.
- CONTROL.
- SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMER'S, INTERCONNECTING WIRING, ETC.
- MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- ١.
- J. AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.
- ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

#### KEYED NOTES: $\bigcirc$

- 1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
- EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL 2. FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
- 4. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
- ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
- CIRCUITING INFORMATION.

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO

THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES. C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER &

REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR

F. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE PROPER COVERAGE AND

G. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC

H. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR

ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH

K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT.

3. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.

5. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE

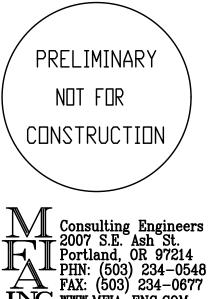
6. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR

7. REFER TO THE E3 SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER DEVICE LAYOUT.



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**INC.** WWW.MFIA-ENG.COM CONTACT: DENISE TAYLOR Project Owner:

NATIVE LAND DEVELOPMENT

#### Project Name:

### MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

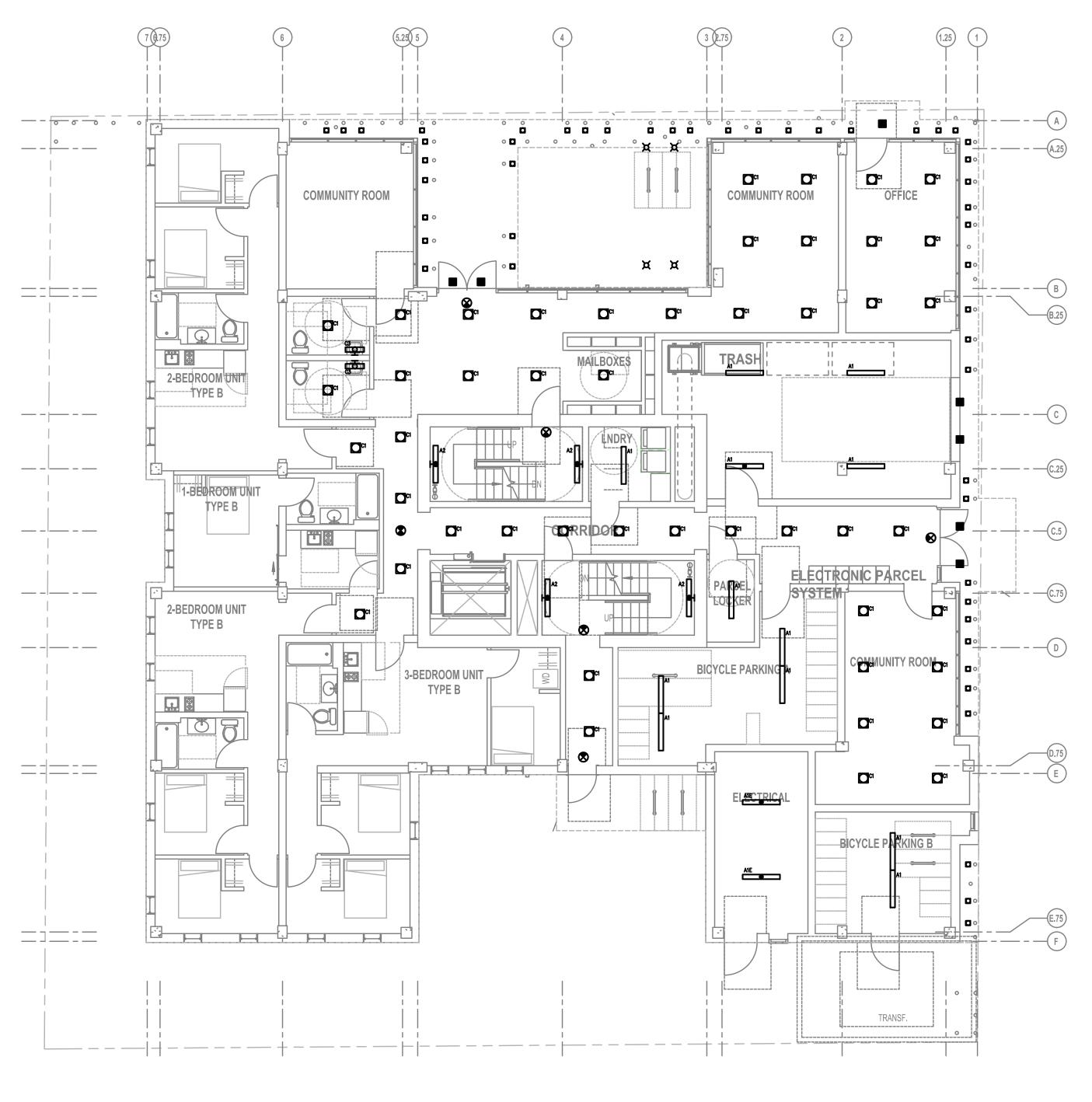


DESIGN DEVELOPMENT SET

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BASEMENT LEVEL LIGHTING PLAN

Drawing Number



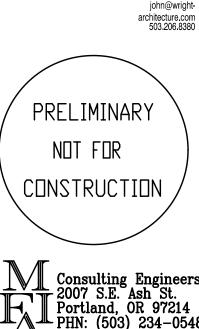
FIRST FLOOR LIGHTING PLAN  $\int SCALE: 1/8" = 1'-0"$ E2.01

# GENERAL LIGHTING NOTES:

- A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES. LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.
- B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.
- REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.
- OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE PROPER COVERAGE AND F. CONTROL.
- PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC G. SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.
- H. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.
- REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH J. ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.
- K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

#### **KEYED NOTES:** $\bigcirc$

- 1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
- EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL 2. FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
- 3. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS. 4.
- 5. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
- 6. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR CIRCUITING INFORMATION.
- 7. REFER TO THE E3 SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER DEVICE LAYOUT.



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NATIVE LAND DEVELOPMENT

#### Project Name:

## MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

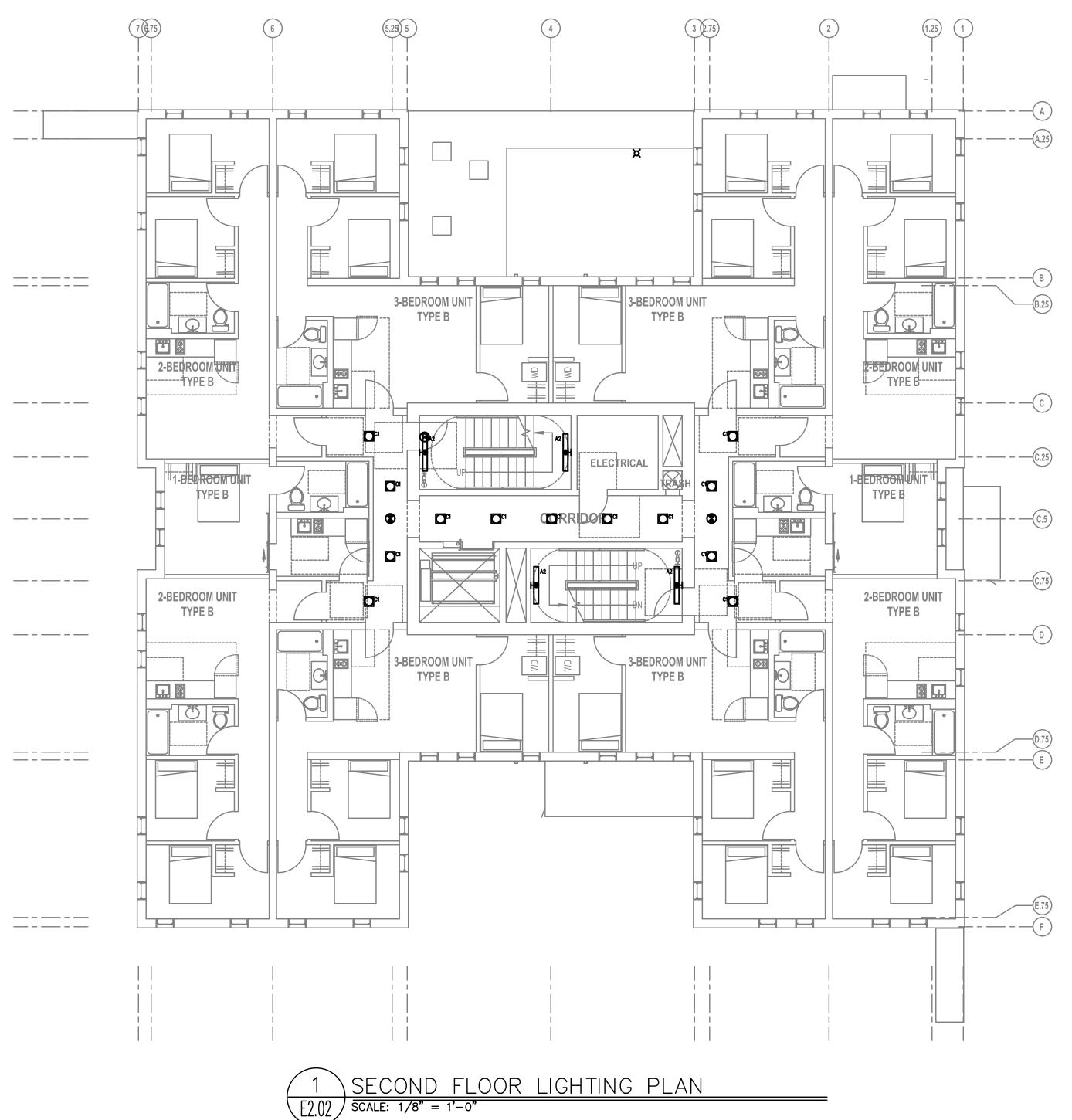


### DESIGN DEVELOPMENT SET

Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZE: 2 HALF SIZE: 11" x 17"	2" x 34"

FIRST FLOOR LIGHTING PLAN

Drawing Number



- AND DURING CONSTRUCTION.
- D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.
- ADDITIONAL INFORMATION. CONTROL.
- MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- ١.
- ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

#### KEYED NOTES: $\bigcirc$

- 1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
- EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET 2. E1.21-E1.22 FOR ADDITIONAL INFORMATION.
- 3. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
- 4. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
- 5. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
- 6. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR CIRCUITING INFORMATION.

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES. C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.

E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR

F. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE PROPER COVERAGE AND

G. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMER'S, INTERCONNECTING WIRING, ETC.

H. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR

ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.

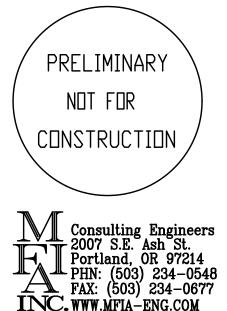
K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT.

7. REFER TO THE E3 SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER DEVICE LAYOUT.



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CONTACT: DENISE TAYLOR

NATIVE LAND DEVELOPMENT

#### Project Name:

Project Owner:

### MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

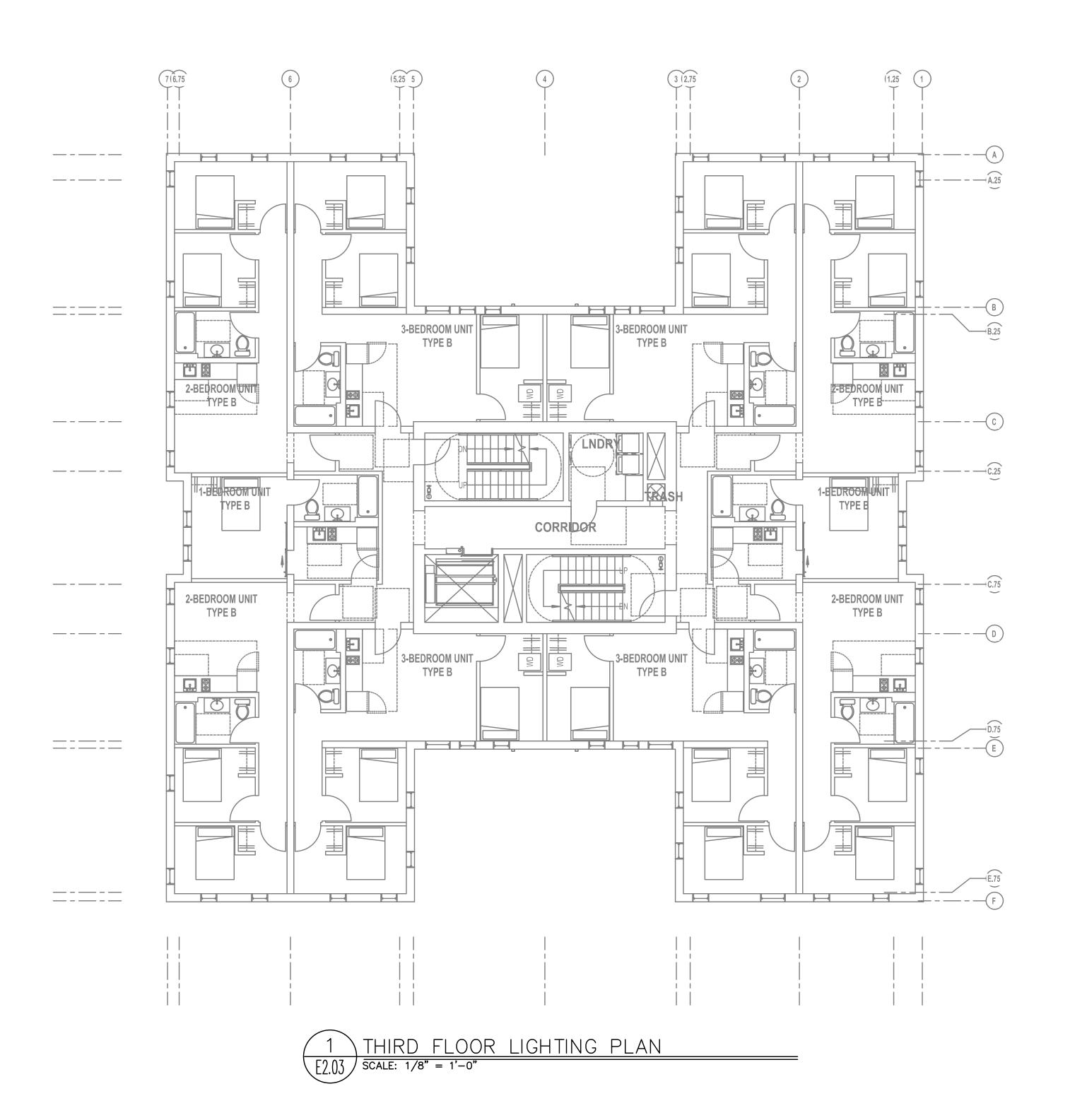


#### DESIGN DEVELOPMENT SET

Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZI HALF SIZE: 11" x 17"	E: 22" x 34"

SECOND FLOOR LIGHTING PLAN

Drawing Number



- A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES. C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.
- D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.
- ADDITIONAL INFORMATION.
- F. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE PROPER COVERAGE AND CONTROL.
- G. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.
- H. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- I. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.
- REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH J. ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.
- K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

#### KEYED NOTES: $\bigcirc$

- 1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL
- 2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
- 3. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR. 4. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
- ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
- 6. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR CIRCUITING INFORMATION.
- 7. REFER TO THE E3 SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER DEVICE LAYOUT.

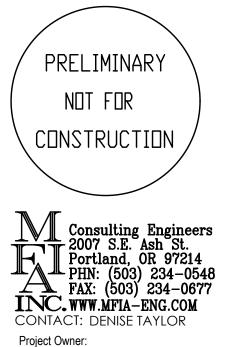
- E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR

5. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE



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NATIVE LAND DEVELOPMENT

#### Project Name:

### MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)



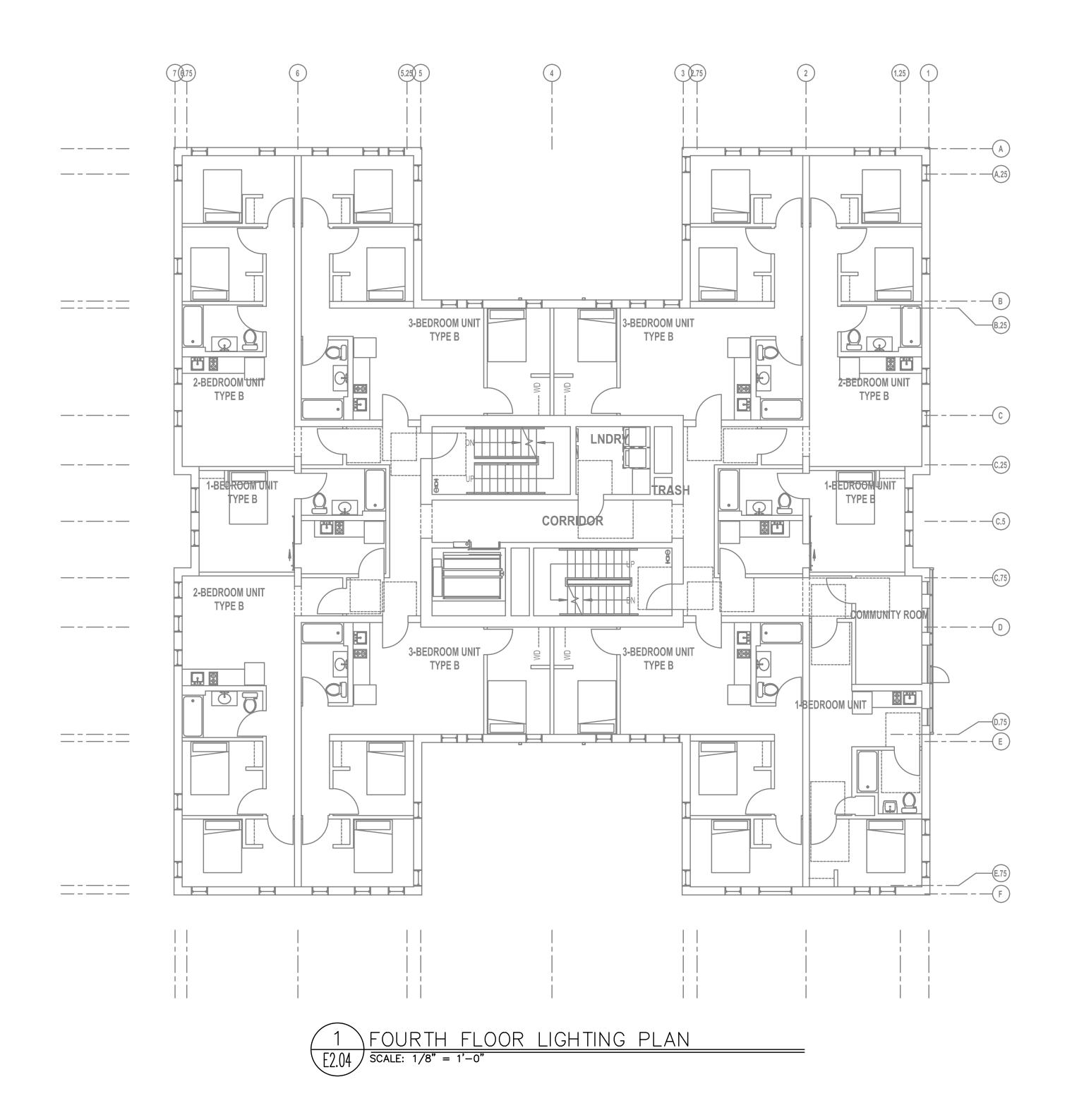


Issued:

PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZE: 22 HALE SIZE: 11" x 17"	" x 34"

THIRD FLOOR LIGHTING PLAN

Drawing Number



- A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES. LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.
- B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.
- Ε. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR
- ADDITIONAL INFORMATION. F. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE PROPER COVERAGE AND CONTROL.
- G. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMER'S, INTERCONNECTING WIRING, ETC.
- H. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- I. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.
- REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH J. ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.
- K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

#### KEYED NOTES: $\bigcirc$

- 1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
- EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL 2. FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
- 3. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR. 4. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
- 5. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
- 6. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR CIRCUITING INFORMATION.
- 7. REFER TO THE E3 SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER DEVICE LAYOUT.



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NATIVE LAND DEVELOPMENT

#### Project Name:

### MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

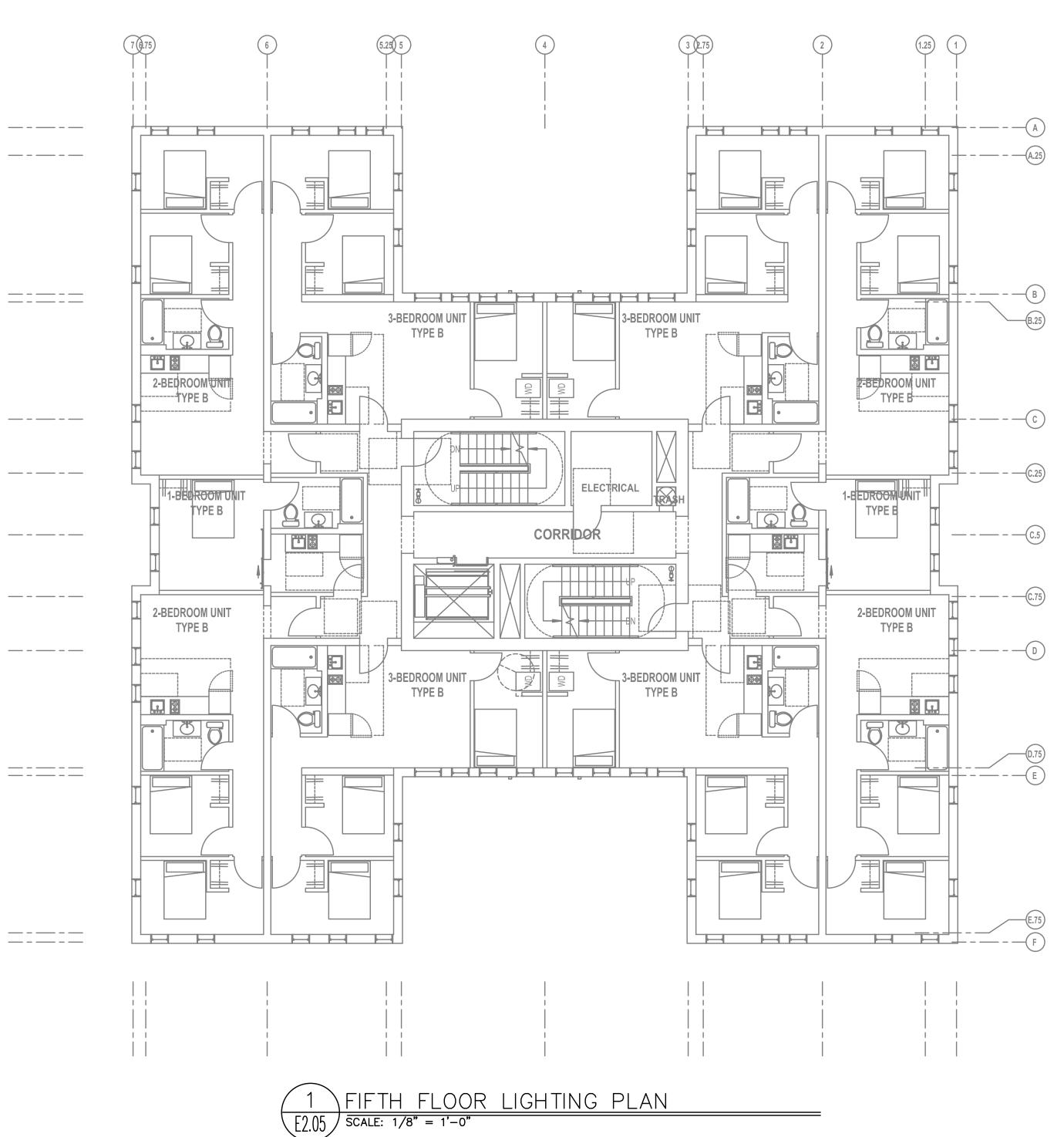


### DESIGN DEVELOPMENT SET

Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZ HALF SIZE: 11" x 17"	'E: 22" x 34"

FOURTH FLOOR LIGHTING PLAN

Drawing Number



- AND DURING CONSTRUCTION.
- LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS. D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.
- ADDITIONAL INFORMATION.
- CONTROL.
- SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.
- MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.
- J. AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.
- ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

#### KEYED NOTES: $\bigcirc$

- CONTINUE CIRCUIT UP THROUGH THE STAIRWELL. 1.
- EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
- PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
- ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
- CIRCUITING INFORMATION.

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES. C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER &

E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR

F. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE PROPER COVERAGE AND

G. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC

H. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR

ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL

REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH

K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT.

3. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.

5. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE

6. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR

7. REFER TO THE E3 SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER DEVICE LAYOUT.



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NATIVE LAND DEVELOPMENT

#### Project Name:

Project Owner:

### MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

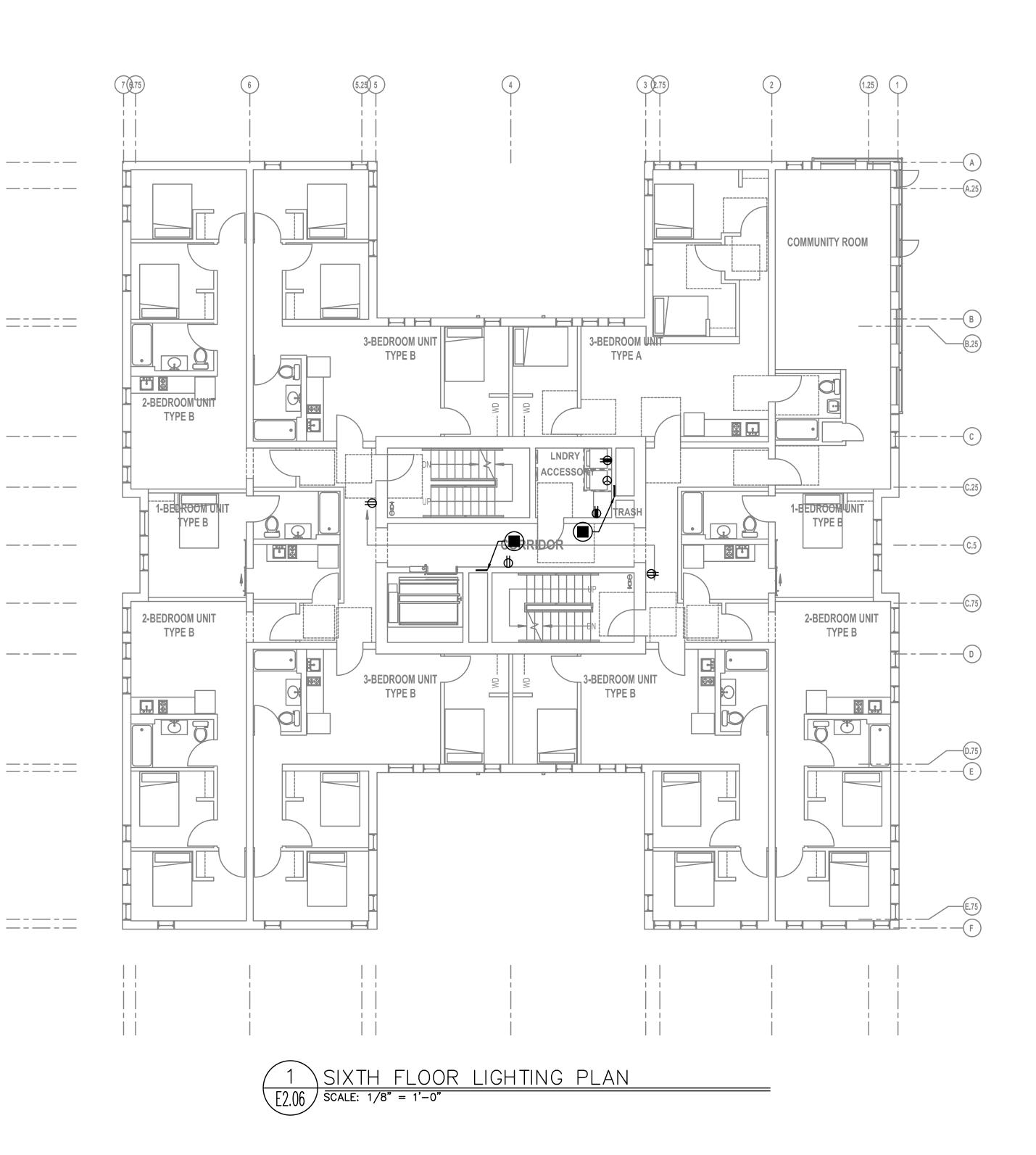


#### DESIGN DEVELOPMENT SET

Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZE: 2 HALE SIZE: 11" x 17"	2" x 34"

FIFTH FLOOR LIGHTING PLAN

Drawing Number



- A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL AND DURING CONSTRUCTION.
- LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS. D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.
- Ε. ADDITIONAL INFORMATION.
- F. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE PROPER COVERAGE AND CONTROL.
- SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.
- H. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL 1. AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.
- AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.
- ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

#### KEYED NOTES: $\bigcirc$

- 1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
- E1.21-E1.22 FOR ADDITIONAL INFORMATION.
- 3. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR.
- 4. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
- 5. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
- 6. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR CIRCUITING INFORMATION.
- 7. REFER TO THE E3 SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER DEVICE LAYOUT.

CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES. C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER &

REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR

G. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC

J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH

K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT.

2. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET



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NATIVE LAND DEVELOPMENT

#### Project Name:

Project Owner:

## MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

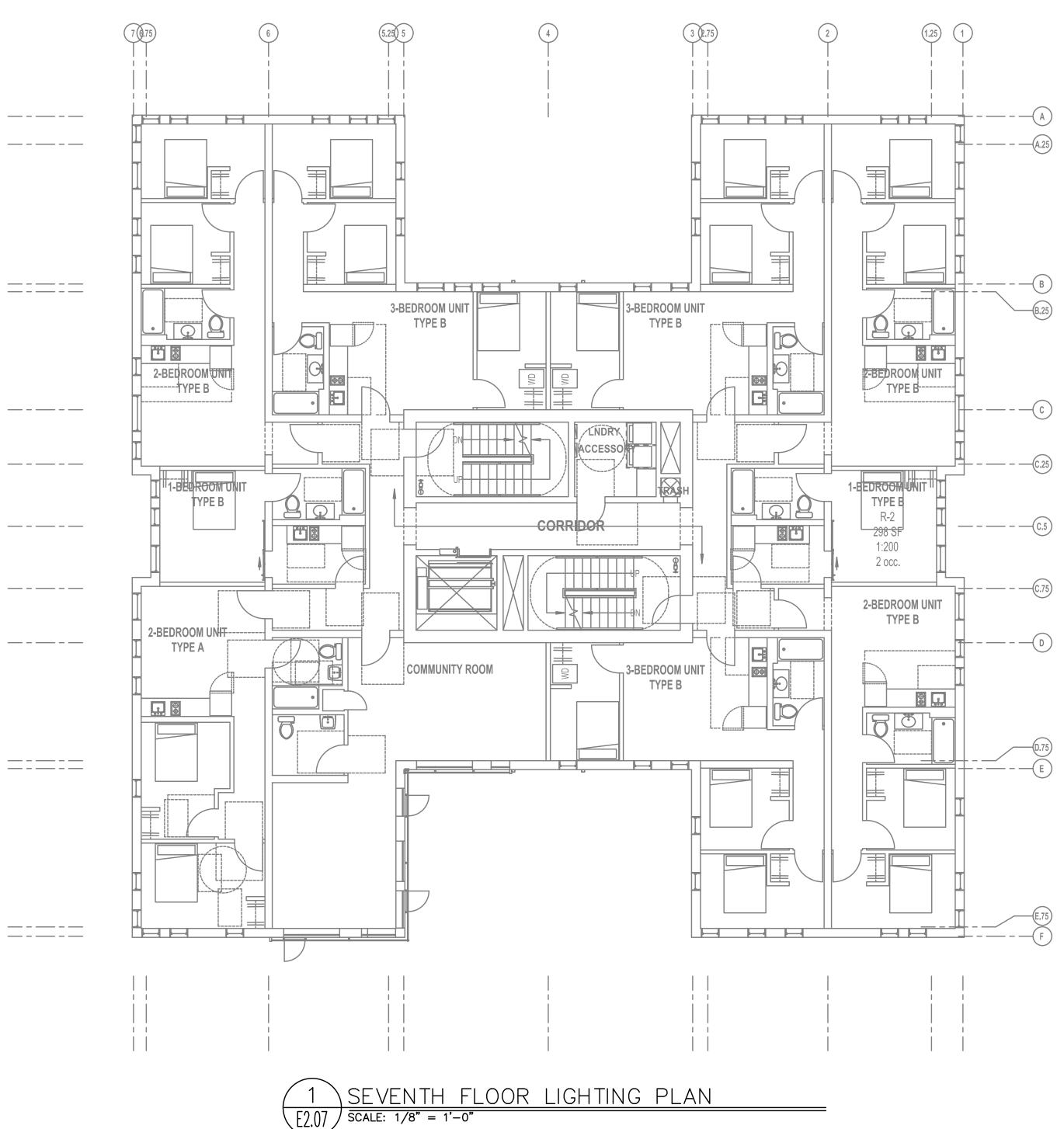




Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZE: 1 HALF SIZE: 11" x 17"	22" x 34"

SIXTH FLOOR LIGHTING PLAN

**E2.06** 



- A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES. LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.
- C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER &
- D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.
- OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE PROPER COVERAGE AND F. CONTROL.
- G. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.
- H. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL 1. AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.
- J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.
- K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

#### KEYED NOTES: $\bigcirc$

CIRCUITING INFORMATION.

- 1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
- EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL 2. FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
- 3. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR. 4. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
- 5. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
- 6. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR
- 7. REFER TO THE E3 SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER DEVICE LAYOUT.



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NATIVE LAND DEVELOPMENT

#### Project Name:

## MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

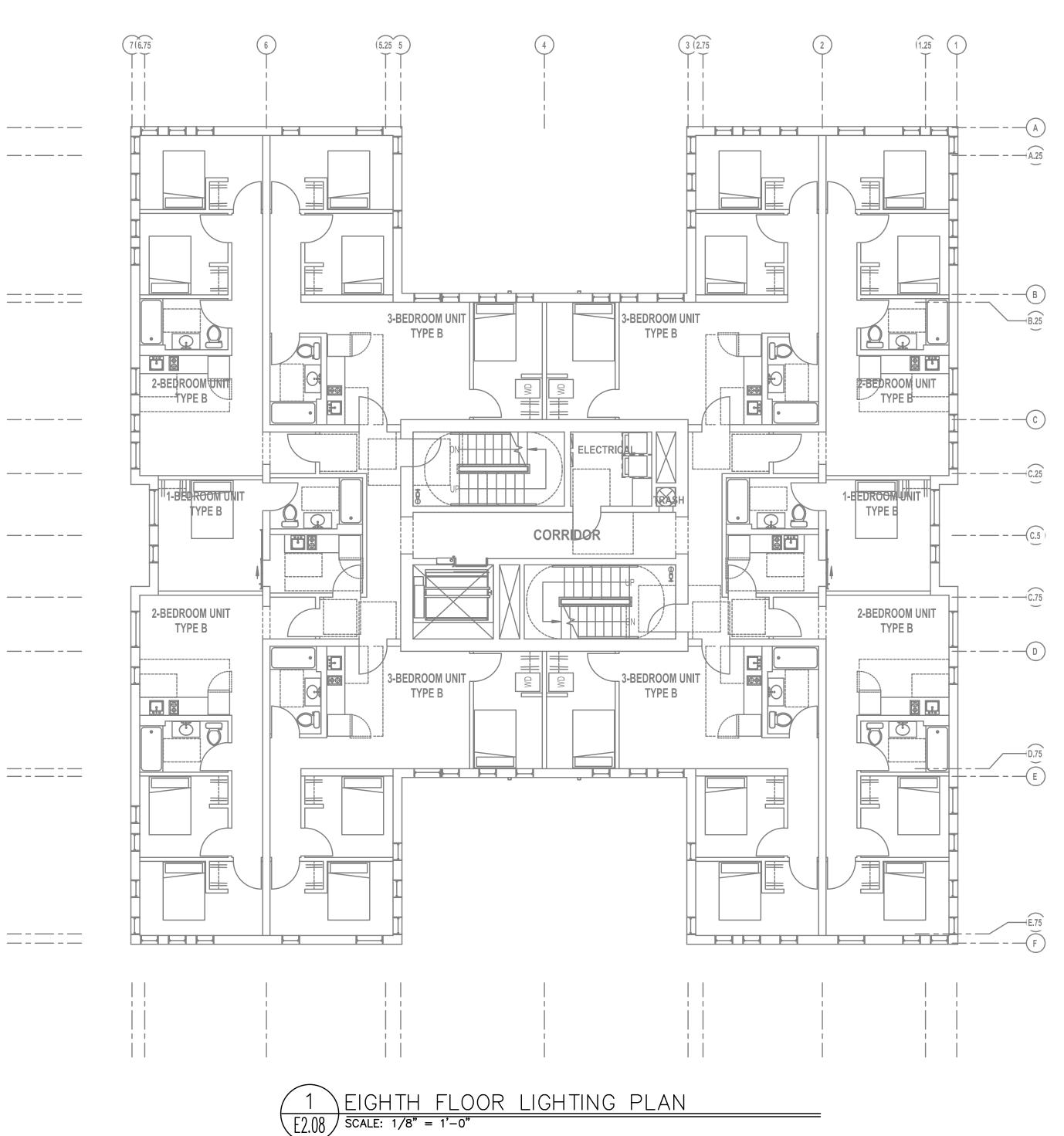


### DESIGN DEVELOPMENT SET

Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZE HALF SIZE: 11" x 17"	E: 22" x 34"

SEVENTH FLOOR LIGHTING PLAN

Drawing Number



- A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES. LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.
- B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.
- E.
- ADDITIONAL INFORMATION.
- F. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE PROPER COVERAGE AND CONTROL.
- G. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.
- H. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL 1. AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.
- REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.
- K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

#### KEYED NOTES: $\bigcirc$

- 1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
- EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL 2. FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
- 3. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR. 4. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
- 5. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
- 6. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR CIRCUITING INFORMATION.
- 7. REFER TO THE E3 SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER DEVICE LAYOUT.

REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR



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NATIVE LAND DEVELOPMENT

#### Project Name:

## MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

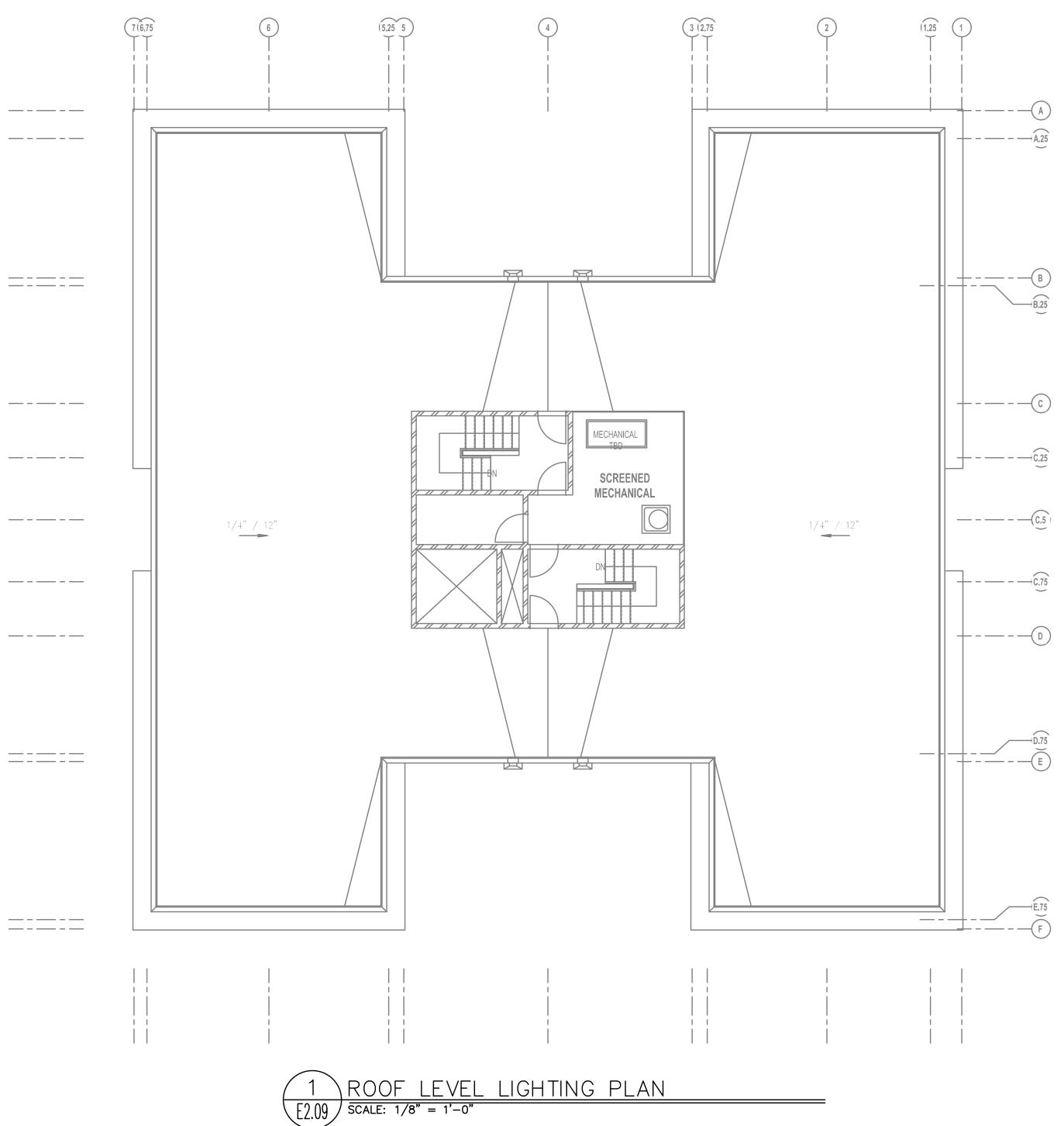


### DESIGN DEVELOPMENT SET

Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZE: 22 HALF SIZE: 11" x 17"	2" x 34"

EIGHTH FLOOR LIGHTING PLAN

Drawing Number



- A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL & INTERIOR DESIGN DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES. C. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE RESIDENTIAL UNITS.
- D. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE. E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR
- ADDITIONAL INFORMATION. F. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE PROPER COVERAGE AND
- CONTROL. G. PROVIDE DIGITAL LIGHTING CONTROLS FOR EACH ROOM/SPACE, CONSISTING OF MULTI-BUTTON SWITCH(ES), OCC SENSORS, POWER PACKS, DAYLIGHT SENSORS, DIMMERS, INTERCONNECTING WIRING, ETC.
- H. CORRIDOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH LOCAL MANUAL OVERRIDE SWITCHES FOR MAINTENANCE. REFER TO SHEET E1.22 FOR SWITCH WIRING DIAGRAMS.
- ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.
- J. REFER TO SHEET E1.23 FOR LIGHTING CONTROL DIAGRAMS AND DESIGN INTENT. VERIFY LIGHTING CONTROLLABILITY WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE TO DETERMINE EXACT NEEDS FOR ALL PUBLIC/COMMON AREAS SUCH AS LOBBIES, OFFICES, LOUNGE AREAS, ETC., PRIOR TO THE START OF ANY WORK.
- K. THERE SHALL BE NO SURFACE MOUNTED FIXTURES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

#### **KEYED NOTES:** $\bigcirc$

- 1. CONTINUE CIRCUIT UP THROUGH THE STAIRWELL.
- EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL 2. FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21-E1.22 FOR ADDITIONAL INFORMATION.
- 3. LIGHT FIXTURES IN THIS SPACE CONTROLLED BY CEILING MOUNT OCCUPANCY SENSOR. 4. PROVIDE PHOTOCELL FOR DAY-LIGHT REDUCTION OF LIGHT LEVELS.
- 5. CONTRACTOR TO COORDINATE WITH LANDSCAPE LIGHTING INSTALLER AND PROVIDE ROUGH-IN AND POWER CONNECTION(S) AS REQUIRED.
- 6. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR CIRCUITING INFORMATION.
- 7. REFER TO THE E3 SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER DEVICE LAYOUT.



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NATIVE LAND DEVELOPMENT

#### Project Name:

### MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

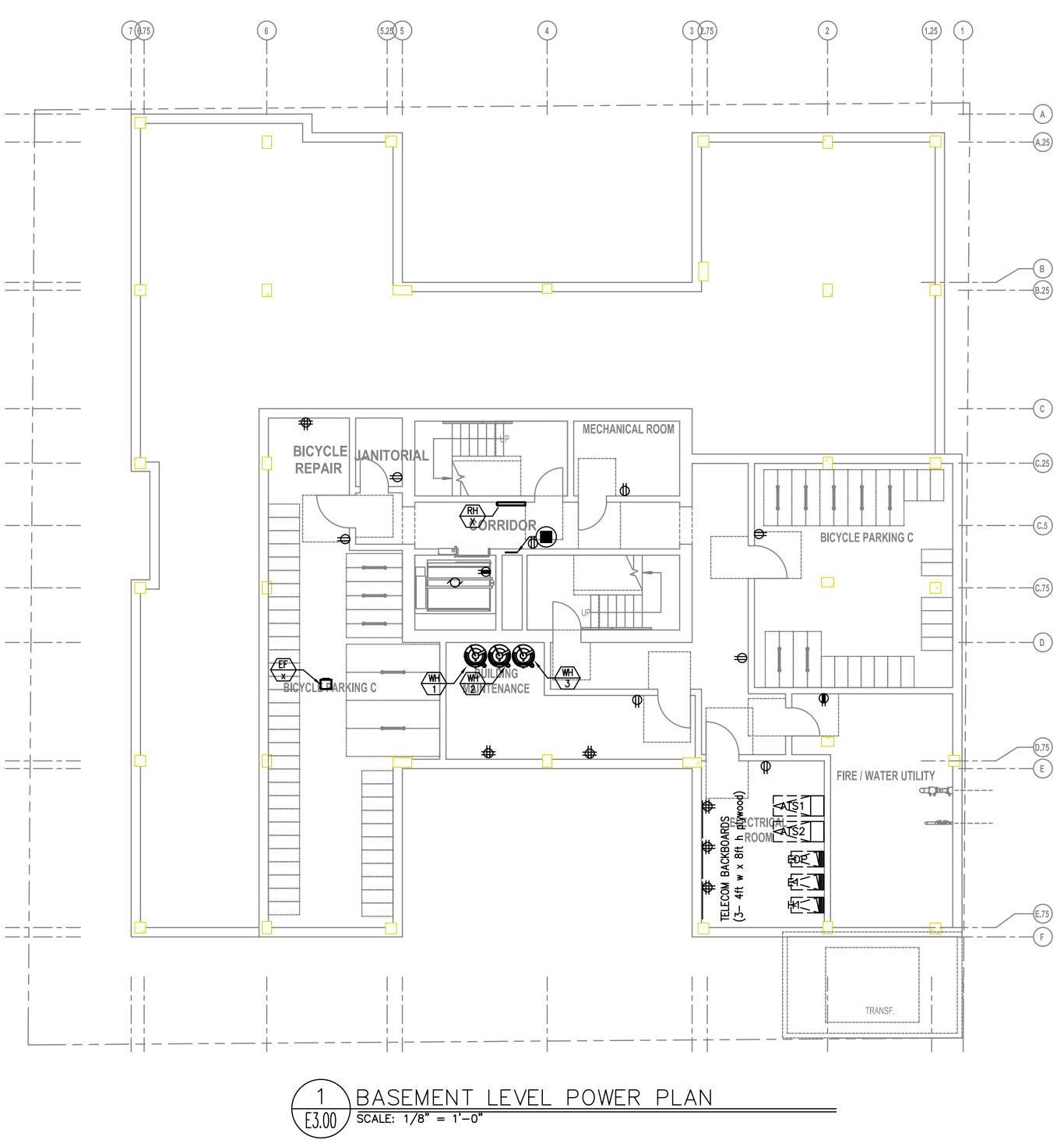


#### DESIGN DEVELOPMENT SET

Issued:	
PRELIMINARY	4.27.2021
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ORIGINAL SHEET SIZ HALF SIZE: 11" x 17"	E: 22" x 34"

**ROOF LEVEL** LIGHTING PLAN

Drawing Number



- WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- CODES.
- **INFORMATION**
- REQUIREMENTS PRIOR TO ROUGH IN.
- MECHANICAL EQUIPMENT SCHEDULE.
- ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- ROUGH IN FOR THE LOW VOLTAGE SYSTEMS/FIRE ALARM INSTALLER.
- WORKING CLEARANCES ARE PROVIDED.
- PROVIDER'S REQUIREMENTS, FOR 24/7 ACCESS.

# OKEYED POWER NOTES:

- 1. PROVIDE KEY BOX FOR PGE AT METER ROOM FOR 24/7 ACCESS.
- 2. GENERATOR EMERGENCY DISCONNECT.

- 5. EXHAUST FAN IN THIS AREA TO BE TIED INTO THE LIGHTING CIRCUIT.
- WITH ARCHITECT AND COORDINATE WITH ELEVATOR INSTALLER.
- FOR ADDITIONAL INFORMATION.
- 8. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE E1.12 FOR CIRCUITS.
- CIRCUITING INFORMATION.
- 10. REFER TO E2 SERIES SHEETS FOR EXHAUST FAN SWITCH LOCATION (WHERE INSTALLED).
- 11. EACH UNIT LOAD CENTER TO BE FED VIA SUB-METERING SYSTEM. REFER TO ONE-LINE DIAGRAM ON SHEET E1.11 FOR CONDUCTOR SIZE AND CABLING.

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT

B. WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL

C. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR, AS REQUIRED. CONSULT MECHANICAL PLANS FOR ADDITIONAL

D. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS AS REQUIRED. CONSULT MECHANICAL CONTRACTOR FOR EXACT

E. COORDINATE WITH DIVISION 23 FOR EXACT LOCATION AND POWER REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH IN. REFER TO SHEET E1.13 FOR

F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR

G. ELECTRICAL CONTRACTOR SHALL REFER TO THE 'T' SERIES SHEETS AND PROVIDE

H. SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON SIEMENS PRODUCTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT INSTALLED EQUIPMENT FITS THE SPACE PROVIDED AND THAT ALL REQUIRED

PROVIDE A KEY BOX AT THE TRANSFORMER ROOM DOOR PER THE UTILITY

L. REFER TO 'E4' SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER PLANS.

3. LAUNDRY ROOM GFCI RECEPTACLES FOR WASHING MACHINES TO BE MOUNTED AT 42" A.F.F., OR UNLESS OTHERWISE DIRECTED BY THE ARCHITECT. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

4. 40A, DEDICATED 14-40R DRYER RECEPTACLE (TYPICAL). VERIFY EXACT POWER RATING REQUIRED FOR THE COMMERCIAL DRYERS PRIOR TO ORDERING. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

CONSULT ELEVATOR PROVIDER FOR EXACT POWER REQUIREMENTS AND PROVIDE ALL ELECTRICAL WORK AS DIRECTED. VERIFY EXACT LOCATION FOR ELEVATOR EQUIPMENT

7. PROVIDE ROUGH IN AND WIRING FOR ACCESS CONTROL. REFER TO 'T' SERIES SHEETS

LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS. PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'XX' SCHEDULE ON

9. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR



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Project Owner NATIVE LAND DEVELOPMENT

Project Name:

## MINNESOTA PLACES

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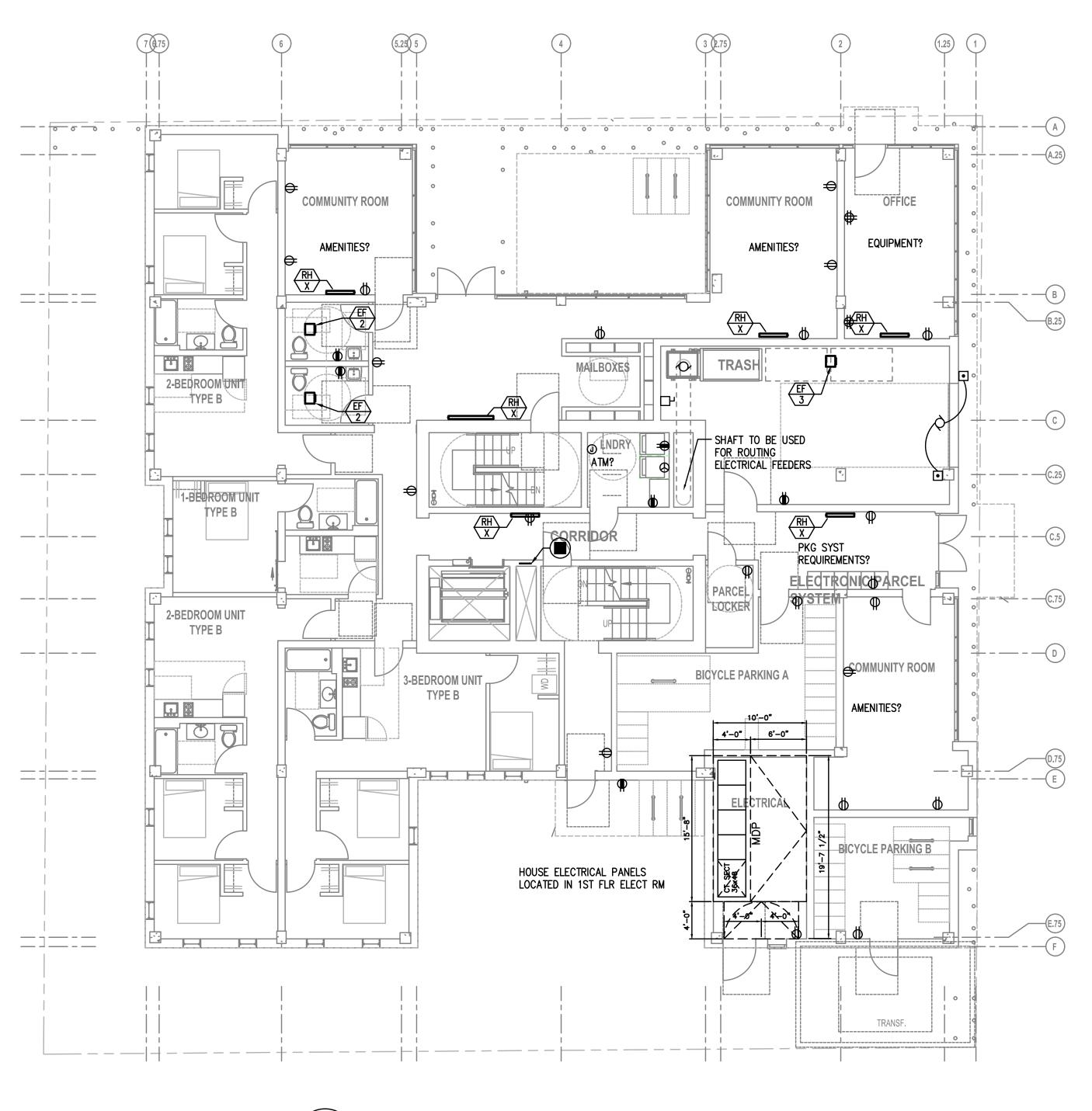


#### DESIGN DEVELOPMENT SET

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ORIGINAL SHEET SIZE HALF SIZE: 11" x 17"	E: 22" x 34"

BASEMENT LEVEL POWER PLAN

Drawing Number





- WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- CODES.
- **INFORMATION**
- REQUIREMENTS PRIOR TO ROUGH IN.
- MECHANICAL EQUIPMENT SCHEDULE.
- ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- ROUGH IN FOR THE LOW VOLTAGE SYSTEMS/FIRE ALARM INSTALLER.
- WORKING CLEARANCES ARE PROVIDED.
- PROVIDER'S REQUIREMENTS, FOR 24/7 ACCESS.

# OKEYED POWER NOTES:

- 1. PROVIDE KEY BOX FOR PGE AT METER ROOM FOR 24/7 ACCESS.
- GENERATOR EMERGENCY DISCONNECT. 2.

- 5. EXHAUST FAN IN THIS AREA TO BE TIED INTO THE LIGHTING CIRCUIT.
- 6 WITH ARCHITECT AND COORDINATE WITH ELEVATOR INSTALLER.
- FOR ADDITIONAL INFORMATION.
- 8. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE E1.12 FOR CIRCUITS.
- CIRCUITING INFORMATION.
- 10. REFER TO E2 SERIES SHEETS FOR EXHAUST FAN SWITCH LOCATION (WHERE INSTALLED).
- 11. EACH UNIT LOAD CENTER TO BE FED VIA SUB-METERING SYSTEM. REFER TO ONE-LINE DIAGRAM ON SHEET E1.11 FOR CONDUCTOR SIZE AND CABLING.

ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT

B. WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL

C. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR, AS REQUIRED. CONSULT MECHANICAL PLANS FOR ADDITIONAL

D. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS AS REQUIRED. CONSULT MECHANICAL CONTRACTOR FOR EXACT

COORDINATE WITH DIVISION 23 FOR EXACT LOCATION AND POWER REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH IN. REFER TO SHEET E1.13 FOR

F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR

G. ELECTRICAL CONTRACTOR SHALL REFER TO THE 'T' SERIES SHEETS AND PROVIDE

H. SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON SIEMENS PRODUCTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT INSTALLED EQUIPMENT FITS THE SPACE PROVIDED AND THAT ALL REQUIRED

PROVIDE A KEY BOX AT THE TRANSFORMER ROOM DOOR PER THE UTILITY

REFER TO 'E4' SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER PLANS.

3. LAUNDRY ROOM GFCI RECEPTACLES FOR WASHING MACHINES TO BE MOUNTED AT 42" A.F.F., OR UNLESS OTHERWISE DIRECTED BY THE ARCHITECT. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

4. 40A, DEDICATED 14-40R DRYER RECEPTACLE (TYPICAL). VERIFY EXACT POWER RATING REQUIRED FOR THE COMMERCIAL DRYERS PRIOR TO ORDERING. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

CONSULT ELEVATOR PROVIDER FOR EXACT POWER REQUIREMENTS AND PROVIDE ALL ELECTRICAL WORK AS DIRECTED. VERIFY EXACT LOCATION FOR ELEVATOR EQUIPMENT

7. PROVIDE ROUGH IN AND WIRING FOR ACCESS CONTROL. REFER TO 'T' SERIES SHEETS

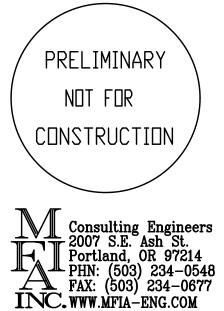
LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS. PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'XX' SCHEDULE ON

9. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR



www.wright-architecture.com 2222 NE Oregon Street, Suite Portland, Oregon 97232

john@wright architecture.com 503.206.8380



NATIVE LAND DEVELOPMENT

CONTACT: DENISE TAYLO

Project Name:

Project Owner:

## MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

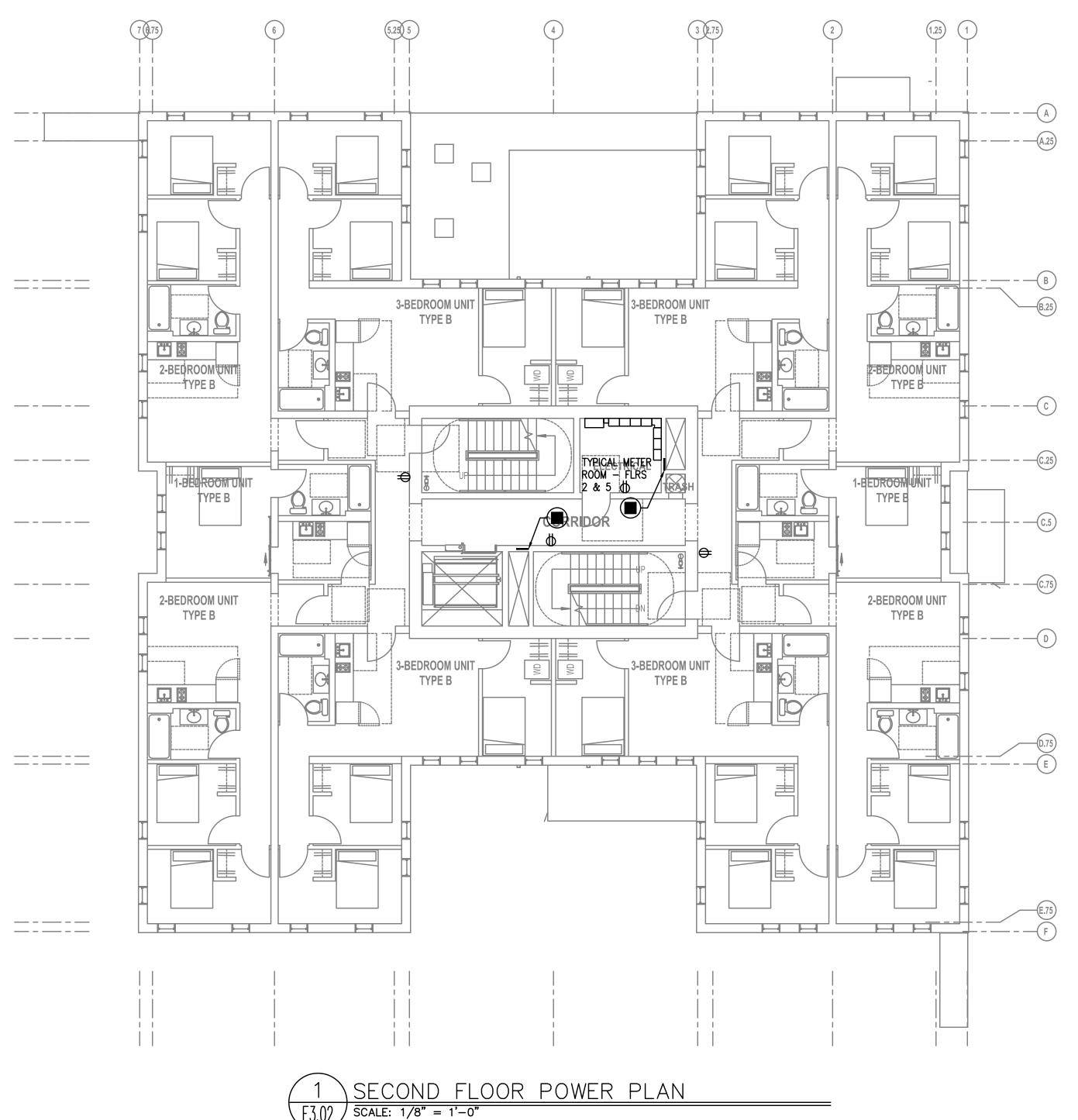




Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZE: 22 HALF SIZE: 11" x 17"	" x 34"

## **FIRST FLOOR** POWER PLAN

Drawing Number



- WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- CODES.
- **INFORMATION**
- REQUIREMENTS PRIOR TO ROUGH IN.
- Ε. MECHANICAL EQUIPMENT SCHEDULE.
- ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- ROUGH IN FOR THE LOW VOLTAGE SYSTEMS/FIRE ALARM INSTALLER.
- WORKING CLEARANCES ARE PROVIDED.
- PROVIDER'S REQUIREMENTS, FOR 24/7 ACCESS.

# OKEYED POWER NOTES:

- 1. PROVIDE KEY BOX FOR PGE AT METER ROOM FOR 24/7 ACCESS.
- 2. GENERATOR EMERGENCY DISCONNECT.

- 5. EXHAUST FAN IN THIS AREA TO BE TIED INTO THE LIGHTING CIRCUIT.
- 6 WITH ARCHITECT AND COORDINATE WITH ELEVATOR INSTALLER.
- FOR ADDITIONAL INFORMATION.
- 8. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE E1.12 FOR CIRCUITS.
- CIRCUITING INFORMATION.
- 10. REFER TO E2 SERIES SHEETS FOR EXHAUST FAN SWITCH LOCATION (WHERE INSTALLED).
- 11. EACH UNIT LOAD CENTER TO BE FED VIA SUB-METERING SYSTEM. REFER TO ONE-LINE DIAGRAM ON SHEET E1.11 FOR CONDUCTOR SIZE AND CABLING.

ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT

B. WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL

C. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR, AS REQUIRED. CONSULT MECHANICAL PLANS FOR ADDITIONAL

D. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS AS REQUIRED. CONSULT MECHANICAL CONTRACTOR FOR EXACT

COORDINATE WITH DIVISION 23 FOR EXACT LOCATION AND POWER REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH IN. REFER TO SHEET E1.13 FOR

F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR

G. ELECTRICAL CONTRACTOR SHALL REFER TO THE 'T' SERIES SHEETS AND PROVIDE

H. SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON SIEMENS PRODUCTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT INSTALLED EQUIPMENT FITS THE SPACE PROVIDED AND THAT ALL REQUIRED

PROVIDE A KEY BOX AT THE TRANSFORMER ROOM DOOR PER THE UTILITY

L. REFER TO 'E4' SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER PLANS.

3. LAUNDRY ROOM GFCI RECEPTACLES FOR WASHING MACHINES TO BE MOUNTED AT 42" A.F.F., OR UNLESS OTHERWISE DIRECTED BY THE ARCHITECT. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

4. 40A, DEDICATED 14-40R DRYER RECEPTACLE (TYPICAL). VERIFY EXACT POWER RATING REQUIRED FOR THE COMMERCIAL DRYERS PRIOR TO ORDERING. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

CONSULT ELEVATOR PROVIDER FOR EXACT POWER REQUIREMENTS AND PROVIDE ALL ELECTRICAL WORK AS DIRECTED. VERIFY EXACT LOCATION FOR ELEVATOR EQUIPMENT

7. PROVIDE ROUGH IN AND WIRING FOR ACCESS CONTROL. REFER TO 'T' SERIES SHEETS

LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS. PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'XX' SCHEDULE ON

9. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR



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NATIVE LAND DEVELOPMENT

Project Name:

Project Owner:

### MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

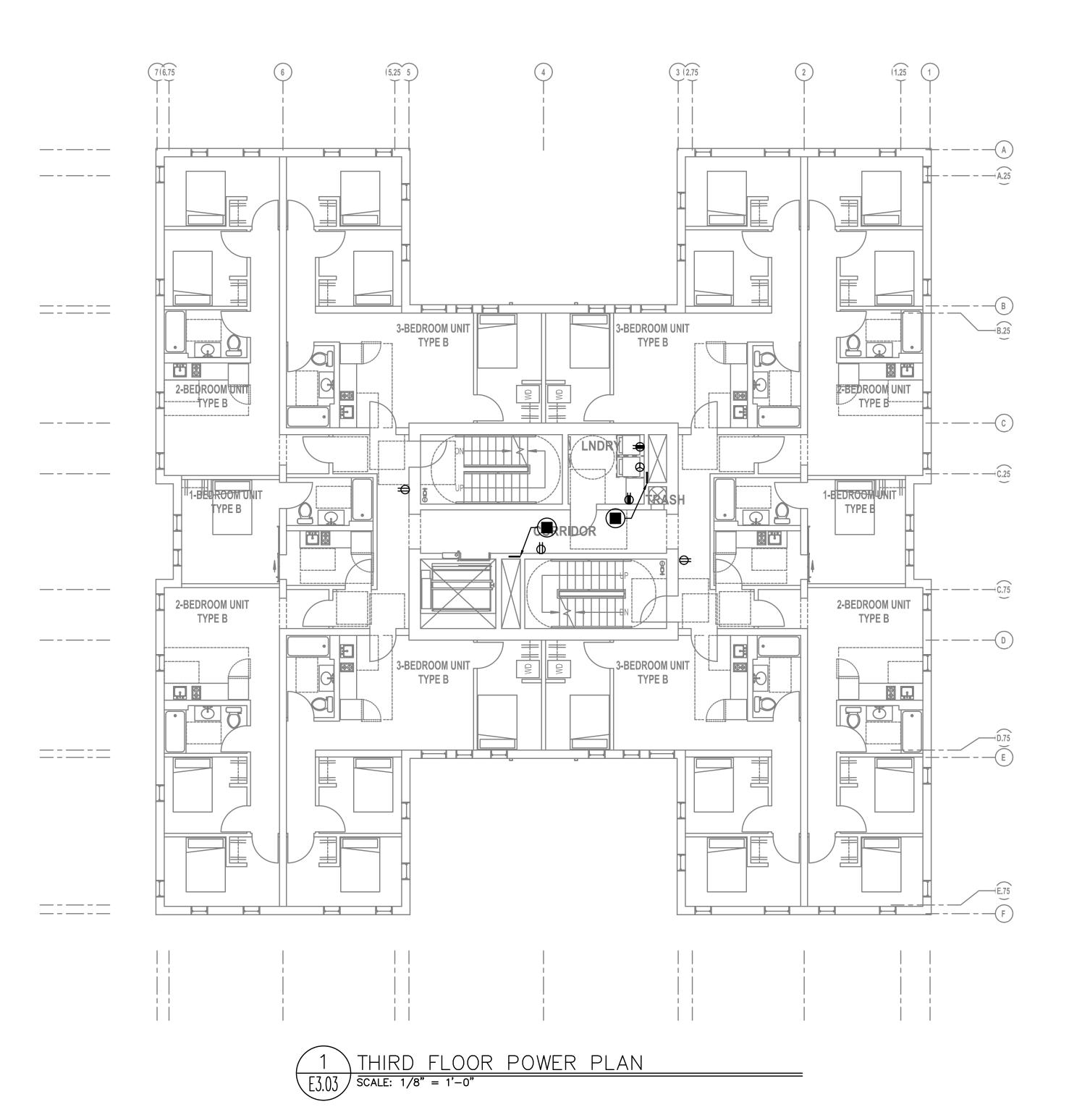


#### DESIGN DEVELOPMENT SET

Issued:	
PRELIMINARY	4.27.2021
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ORIGINAL SHEET SIZE: HALF SIZE: 11" x 17"	22" x 34"

## SECOND FLOOR POWER PLAN

Drawing Number



- WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- CODES.
- **INFORMATION**
- REQUIREMENTS PRIOR TO ROUGH IN.
- MECHANICAL EQUIPMENT SCHEDULE.
- ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- ROUGH IN FOR THE LOW VOLTAGE SYSTEMS/FIRE ALARM INSTALLER.
- WORKING CLEARANCES ARE PROVIDED.
- PROVIDER'S REQUIREMENTS, FOR 24/7 ACCESS.

# OKEYED POWER NOTES:

- 1. PROVIDE KEY BOX FOR PGE AT METER ROOM FOR 24/7 ACCESS.
- 2. GENERATOR EMERGENCY DISCONNECT.

- 5. EXHAUST FAN IN THIS AREA TO BE TIED INTO THE LIGHTING CIRCUIT.
- WITH ARCHITECT AND COORDINATE WITH ELEVATOR INSTALLER.
- FOR ADDITIONAL INFORMATION.
- 8. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE E1.12 FOR CIRCUITS.
- CIRCUITING INFORMATION.
- 10. REFER TO E2 SERIES SHEETS FOR EXHAUST FAN SWITCH LOCATION (WHERE INSTALLED).
- 11. EACH UNIT LOAD CENTER TO BE FED VIA SUB-METERING SYSTEM. REFER TO ONE-LINE DIAGRAM ON SHEET E1.11 FOR CONDUCTOR SIZE AND CABLING.

ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT

B. WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL

C. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR, AS REQUIRED. CONSULT MECHANICAL PLANS FOR ADDITIONAL

D. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS AS REQUIRED. CONSULT MECHANICAL CONTRACTOR FOR EXACT

COORDINATE WITH DIVISION 23 FOR EXACT LOCATION AND POWER REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH IN. REFER TO SHEET E1.13 FOR

F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR

G. ELECTRICAL CONTRACTOR SHALL REFER TO THE 'T' SERIES SHEETS AND PROVIDE

H. SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON SIEMENS PRODUCTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT INSTALLED EQUIPMENT FITS THE SPACE PROVIDED AND THAT ALL REQUIRED

PROVIDE A KEY BOX AT THE TRANSFORMER ROOM DOOR PER THE UTILITY

REFER TO 'E4' SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER PLANS.

3. LAUNDRY ROOM GFCI RECEPTACLES FOR WASHING MACHINES TO BE MOUNTED AT 42" A.F.F., OR UNLESS OTHERWISE DIRECTED BY THE ARCHITECT. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

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CONSULT ELEVATOR PROVIDER FOR EXACT POWER REQUIREMENTS AND PROVIDE ALL ELECTRICAL WORK AS DIRECTED. VERIFY EXACT LOCATION FOR ELEVATOR EQUIPMENT

7. PROVIDE ROUGH IN AND WIRING FOR ACCESS CONTROL. REFER TO 'T' SERIES SHEETS

LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS. PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'XX' SCHEDULE ON

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Project Name:

Project Owner:

## MINNESOTA PLACES

NATIVE LAND DEVELOPMENT

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

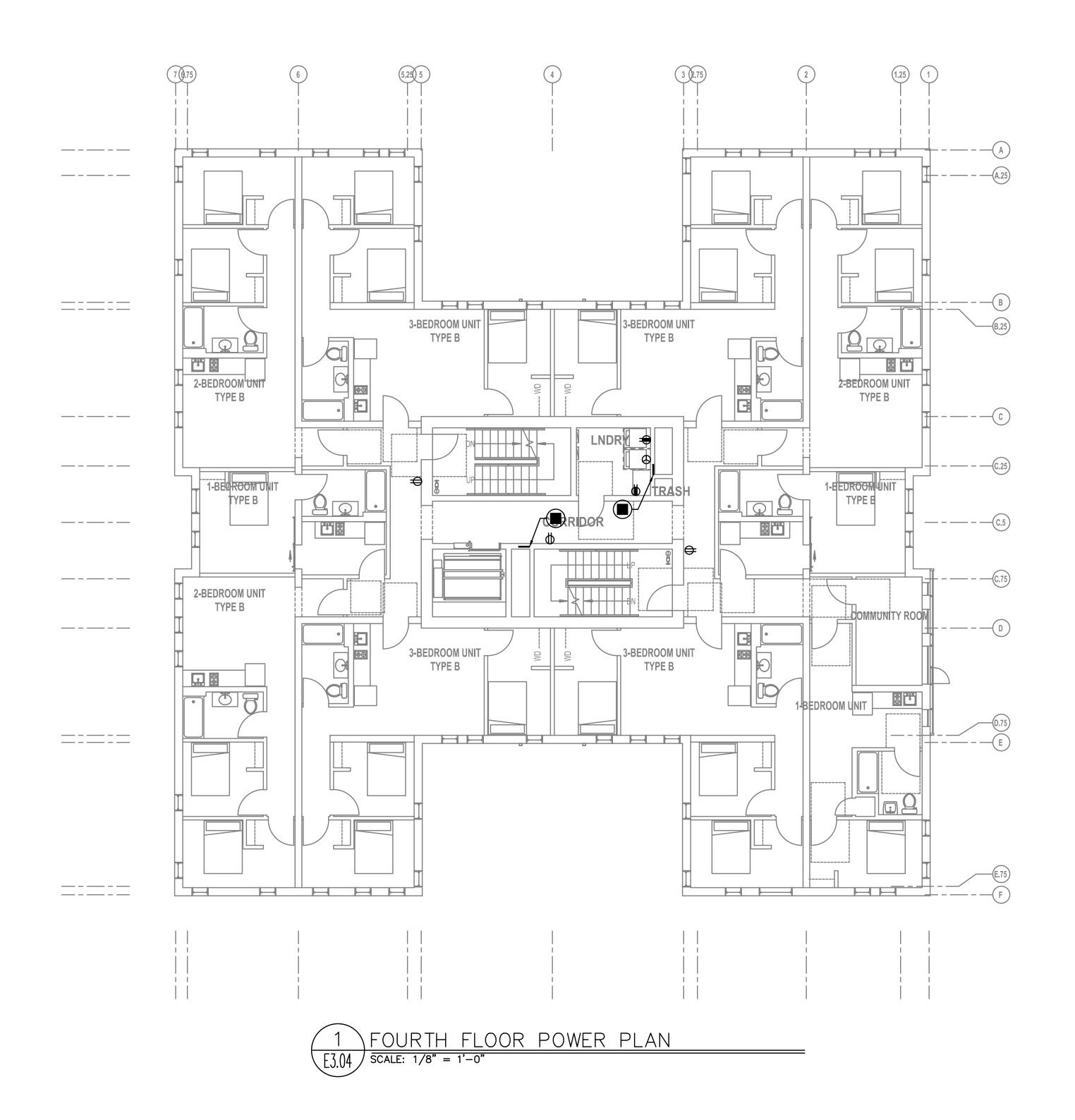




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ORIGINAL SHEET SIZE: 22 HALF SIZE: 11" x 17"	2" x 34"

## THIRD FLOOR POWER PLAN

E3.03



- WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- CODES.
- **INFORMATION**
- REQUIREMENTS PRIOR TO ROUGH IN.
- MECHANICAL EQUIPMENT SCHEDULE.
- ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- ROUGH IN FOR THE LOW VOLTAGE SYSTEMS/FIRE ALARM INSTALLER.
- WORKING CLEARANCES ARE PROVIDED.
- PROVIDER'S REQUIREMENTS, FOR 24/7 ACCESS.

# OKEYED POWER NOTES:

- 1. PROVIDE KEY BOX FOR PGE AT METER ROOM FOR 24/7 ACCESS.
- GENERATOR EMERGENCY DISCONNECT. 2.

- EXHAUST FAN IN THIS AREA TO BE TIED INTO THE LIGHTING CIRCUIT. 5.
- WITH ARCHITECT AND COORDINATE WITH ELEVATOR INSTALLER.
- FOR ADDITIONAL INFORMATION.
- 8. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE E1.12 FOR CIRCUITS.
- CIRCUITING INFORMATION.
- 10. REFER TO E2 SERIES SHEETS FOR EXHAUST FAN SWITCH LOCATION (WHERE INSTALLED).
- 11. EACH UNIT LOAD CENTER TO BE FED VIA SUB-METERING SYSTEM. REFER TO ONE-LINE DIAGRAM ON SHEET E1.11 FOR CONDUCTOR SIZE AND CABLING.

ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT

B. WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL

C. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR, AS REQUIRED. CONSULT MECHANICAL PLANS FOR ADDITIONAL

D. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS AS REQUIRED. CONSULT MECHANICAL CONTRACTOR FOR EXACT

COORDINATE WITH DIVISION 23 FOR EXACT LOCATION AND POWER REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH IN. REFER TO SHEET E1.13 FOR

F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR

G. ELECTRICAL CONTRACTOR SHALL REFER TO THE 'T' SERIES SHEETS AND PROVIDE

H. SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON SIEMENS PRODUCTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT INSTALLED EQUIPMENT FITS THE SPACE PROVIDED AND THAT ALL REQUIRED

PROVIDE A KEY BOX AT THE TRANSFORMER ROOM DOOR PER THE UTILITY

REFER TO 'E4' SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER PLANS.

3. LAUNDRY ROOM GFCI RECEPTACLES FOR WASHING MACHINES TO BE MOUNTED AT 42" A.F.F., OR UNLESS OTHERWISE DIRECTED BY THE ARCHITECT. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

4. 40A, DEDICATED 14-40R DRYER RECEPTACLE (TYPICAL). VERIFY EXACT POWER RATING REQUIRED FOR THE COMMERCIAL DRYERS PRIOR TO ORDERING. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

CONSULT ELEVATOR PROVIDER FOR EXACT POWER REQUIREMENTS AND PROVIDE ALL ELECTRICAL WORK AS DIRECTED. VERIFY EXACT LOCATION FOR ELEVATOR EQUIPMENT

7. PROVIDE ROUGH IN AND WIRING FOR ACCESS CONTROL. REFER TO 'T' SERIES SHEETS

LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS. PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'XX' SCHEDULE ON

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NATIVE LAND DEVELOPMENT

Project Name:

Project Owner:

## **MINNESOTA** PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

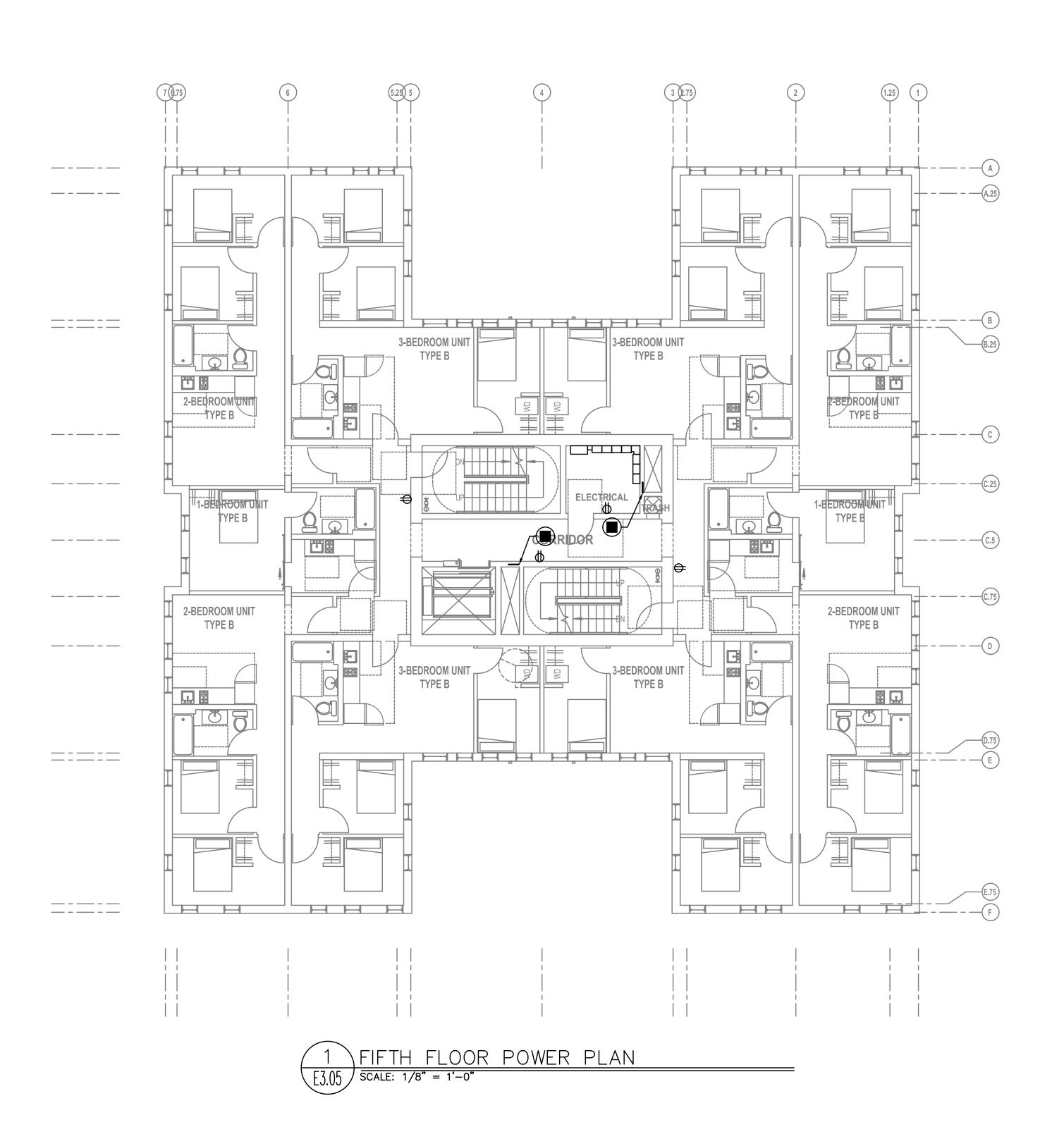




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## FOURTH FLOOR POWER PLAN

Drawing Number



- WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- CODES.
- **INFORMATION**
- REQUIREMENTS PRIOR TO ROUGH IN.
- MECHANICAL EQUIPMENT SCHEDULE.
- ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- ROUGH IN FOR THE LOW VOLTAGE SYSTEMS/FIRE ALARM INSTALLER.
- WORKING CLEARANCES ARE PROVIDED.
- PROVIDER'S REQUIREMENTS, FOR 24/7 ACCESS.

# OKEYED POWER NOTES:

- 1. PROVIDE KEY BOX FOR PGE AT METER ROOM FOR 24/7 ACCESS.
- GENERATOR EMERGENCY DISCONNECT. 2.

- EXHAUST FAN IN THIS AREA TO BE TIED INTO THE LIGHTING CIRCUIT. 5.
- WITH ARCHITECT AND COORDINATE WITH ELEVATOR INSTALLER.
- FOR ADDITIONAL INFORMATION.
- 8. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE E1.12 FOR CIRCUITS.
- CIRCUITING INFORMATION.
- 10. REFER TO E2 SERIES SHEETS FOR EXHAUST FAN SWITCH LOCATION (WHERE INSTALLED).
- 11. EACH UNIT LOAD CENTER TO BE FED VIA SUB-METERING SYSTEM. REFER TO ONE-LINE DIAGRAM ON SHEET E1.11 FOR CONDUCTOR SIZE AND CABLING.

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT

B. WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL

C. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR, AS REQUIRED. CONSULT MECHANICAL PLANS FOR ADDITIONAL

D. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS AS REQUIRED. CONSULT MECHANICAL CONTRACTOR FOR EXACT

COORDINATE WITH DIVISION 23 FOR EXACT LOCATION AND POWER REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH IN. REFER TO SHEET E1.13 FOR

F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR

G. ELECTRICAL CONTRACTOR SHALL REFER TO THE 'T' SERIES SHEETS AND PROVIDE

H. SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON SIEMENS PRODUCTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT INSTALLED EQUIPMENT FITS THE SPACE PROVIDED AND THAT ALL REQUIRED

PROVIDE A KEY BOX AT THE TRANSFORMER ROOM DOOR PER THE UTILITY

L. REFER TO 'E4' SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER PLANS.

3. LAUNDRY ROOM GFCI RECEPTACLES FOR WASHING MACHINES TO BE MOUNTED AT 42" A.F.F., OR UNLESS OTHERWISE DIRECTED BY THE ARCHITECT. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

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CONSULT ELEVATOR PROVIDER FOR EXACT POWER REQUIREMENTS AND PROVIDE ALL ELECTRICAL WORK AS DIRECTED. VERIFY EXACT LOCATION FOR ELEVATOR EQUIPMENT

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NATIVE LAND DEVELOPMENT

CONTACT: DENISE TAYLOR

Project Name:

Project Owner:

## **MINNESOTA** PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

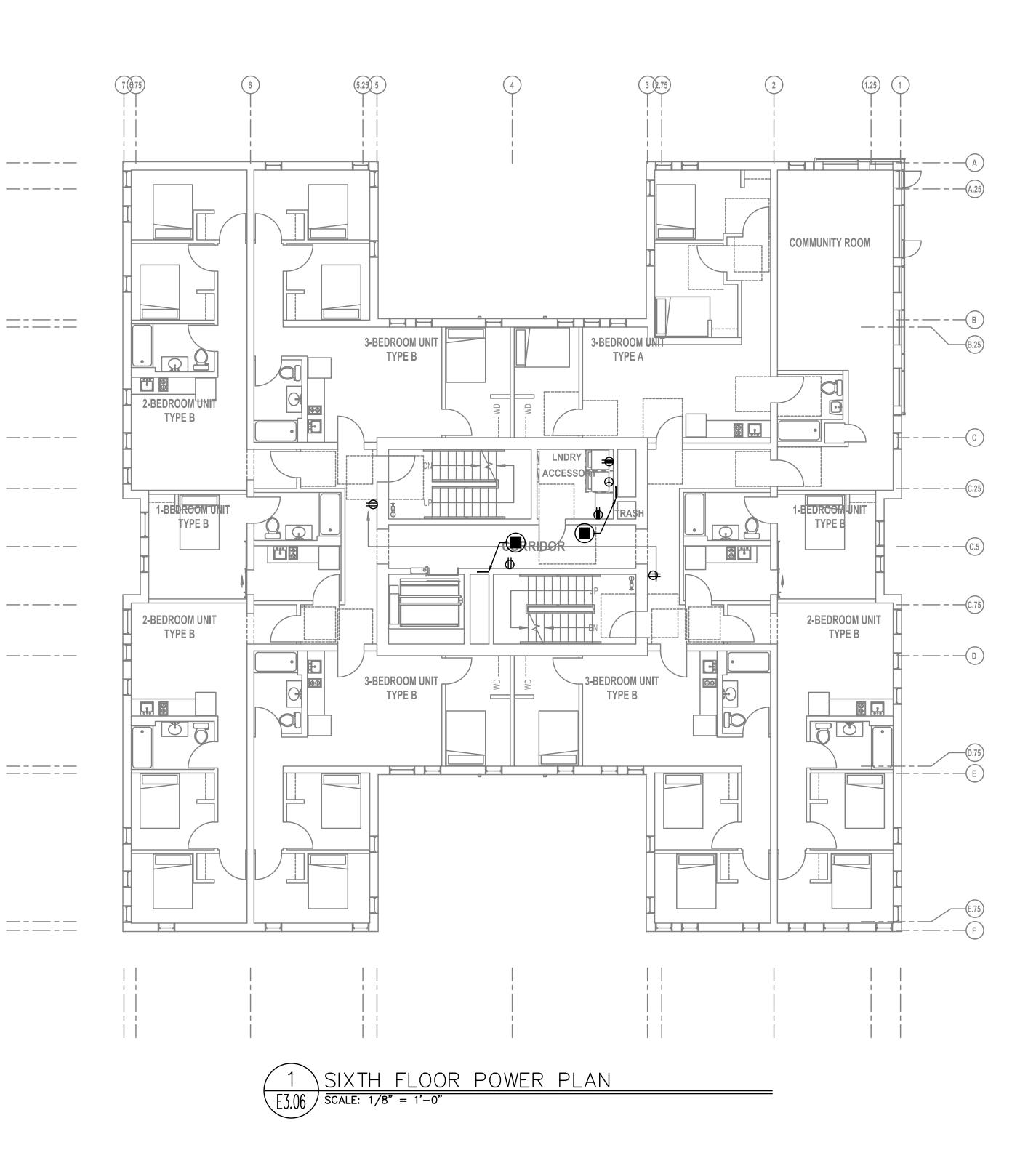




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## FIFTH FLOOR POWER PLAN

E3.05



- WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- CODES.
- **INFORMATION**
- REQUIREMENTS PRIOR TO ROUGH IN.
- MECHANICAL EQUIPMENT SCHEDULE.
- ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- ROUGH IN FOR THE LOW VOLTAGE SYSTEMS/FIRE ALARM INSTALLER.
- WORKING CLEARANCES ARE PROVIDED.
- PROVIDER'S REQUIREMENTS, FOR 24/7 ACCESS.

# OKEYED POWER NOTES:

- 1. PROVIDE KEY BOX FOR PGE AT METER ROOM FOR 24/7 ACCESS.
- GENERATOR EMERGENCY DISCONNECT. 2.

- 5. EXHAUST FAN IN THIS AREA TO BE TIED INTO THE LIGHTING CIRCUIT.
- WITH ARCHITECT AND COORDINATE WITH ELEVATOR INSTALLER.
- FOR ADDITIONAL INFORMATION.
- 8. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE E1.12 FOR CIRCUITS.
- CIRCUITING INFORMATION.
- 10. REFER TO E2 SERIES SHEETS FOR EXHAUST FAN SWITCH LOCATION (WHERE INSTALLED).
- 11. EACH UNIT LOAD CENTER TO BE FED VIA SUB-METERING SYSTEM. REFER TO ONE-LINE DIAGRAM ON SHEET E1.11 FOR CONDUCTOR SIZE AND CABLING.

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT

B. WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL

C. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. AS REQUIRED. CONSULT MECHANICAL PLANS FOR ADDITIONAL

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COORDINATE WITH DIVISION 23 FOR EXACT LOCATION AND POWER REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH IN. REFER TO SHEET E1.13 FOR

F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR

G. ELECTRICAL CONTRACTOR SHALL REFER TO THE 'T' SERIES SHEETS AND PROVIDE

H. SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON SIEMENS PRODUCTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT INSTALLED EQUIPMENT FITS THE SPACE PROVIDED AND THAT ALL REQUIRED

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4. 40A, DEDICATED 14-40R DRYER RECEPTACLE (TYPICAL). VERIFY EXACT POWER RATING REQUIRED FOR THE COMMERCIAL DRYERS PRIOR TO ORDERING. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

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7. PROVIDE ROUGH IN AND WIRING FOR ACCESS CONTROL. REFER TO 'T' SERIES SHEETS

LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS. PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'XX' SCHEDULE ON

9. REFER TO SHEET E1.12 FOR TYPICAL DWELLING UNIT LOAD CENTER SCHEDULE FOR



www.wright architecture.com 2222 NE Oregon Street, Suite Portland, Oregon 97232

john@wright architecture.com 503.206.8380



Project Owner: NATIVE LAND DEVELOPMENT

Project Name:

## MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

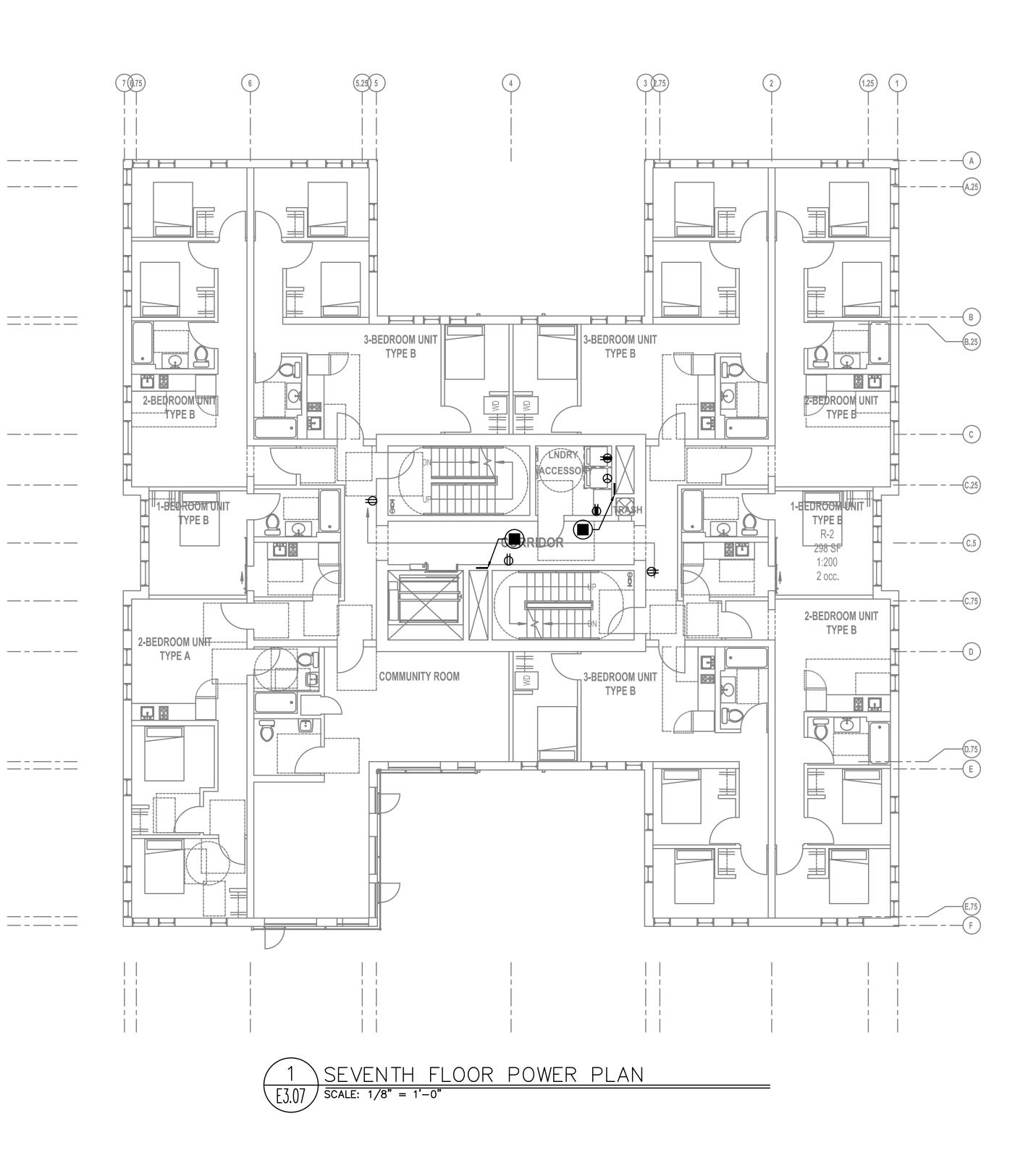




Issued:	
PRELIMINARY	4.27.2021
Job #:	2020
ORIGINAL SHEET SIZE: 22 HALF SIZE: 11" x 17"	2" x 34"

### SIXTH FLOOR POWER PLAN

Drawing Number



- WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- CODES.
- **INFORMATION**
- REQUIREMENTS PRIOR TO ROUGH IN.
- MECHANICAL EQUIPMENT SCHEDULE.
- ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- ROUGH IN FOR THE LOW VOLTAGE SYSTEMS/FIRE ALARM INSTALLER.
- WORKING CLEARANCES ARE PROVIDED.
- PROVIDER'S REQUIREMENTS, FOR 24/7 ACCESS.

# OKEYED POWER NOTES:

- 1. PROVIDE KEY BOX FOR PGE AT METER ROOM FOR 24/7 ACCESS.
- GENERATOR EMERGENCY DISCONNECT. 2.

- 5. EXHAUST FAN IN THIS AREA TO BE TIED INTO THE LIGHTING CIRCUIT.
- WITH ARCHITECT AND COORDINATE WITH ELEVATOR INSTALLER.
- FOR ADDITIONAL INFORMATION.
- 8. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE E1.12 FOR CIRCUITS.
- CIRCUITING INFORMATION.
- 10. REFER TO E2 SERIES SHEETS FOR EXHAUST FAN SWITCH LOCATION (WHERE INSTALLED).
- 11. EACH UNIT LOAD CENTER TO BE FED VIA SUB-METERING SYSTEM. REFER TO ONE-LINE DIAGRAM ON SHEET E1.11 FOR CONDUCTOR SIZE AND CABLING.

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT

B. WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL

C. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. AS REQUIRED. CONSULT MECHANICAL PLANS FOR ADDITIONAL

D. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS AS REQUIRED. CONSULT MECHANICAL CONTRACTOR FOR EXACT

COORDINATE WITH DIVISION 23 FOR EXACT LOCATION AND POWER REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH IN. REFER TO SHEET E1.13 FOR

F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR

G. ELECTRICAL CONTRACTOR SHALL REFER TO THE 'T' SERIES SHEETS AND PROVIDE

H. SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON SIEMENS PRODUCTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT INSTALLED EQUIPMENT FITS THE SPACE PROVIDED AND THAT ALL REQUIRED

PROVIDE A KEY BOX AT THE TRANSFORMER ROOM DOOR PER THE UTILITY

L. REFER TO 'E4' SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER PLANS.

3. LAUNDRY ROOM GFCI RECEPTACLES FOR WASHING MACHINES TO BE MOUNTED AT 42" A.F.F., OR UNLESS OTHERWISE DIRECTED BY THE ARCHITECT. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

4. 40A, DEDICATED 14-40R DRYER RECEPTACLE (TYPICAL). VERIFY EXACT POWER RATING REQUIRED FOR THE COMMERCIAL DRYERS PRIOR TO ORDERING. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

CONSULT ELEVATOR PROVIDER FOR EXACT POWER REQUIREMENTS AND PROVIDE ALL ELECTRICAL WORK AS DIRECTED. VERIFY EXACT LOCATION FOR ELEVATOR EQUIPMENT

7. PROVIDE ROUGH IN AND WIRING FOR ACCESS CONTROL. REFER TO 'T' SERIES SHEETS

LOCATIONS AND ELECTRICAL POWER REQUIREMENTS WITH THE TELECOM PLANS ('T' SERIES SHEETS) AND LOW VOLTAGE SYSTEMS INSTALLERS. PROVIDE ROUGH IN AND/OR FINAL ELECTRICAL POWER CONNECTIONS & DEVICES. REFER PANEL 'XX' SCHEDULE ON

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NATIVE LAND DEVELOPMENT

Project Name:

Project Owner:

### MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

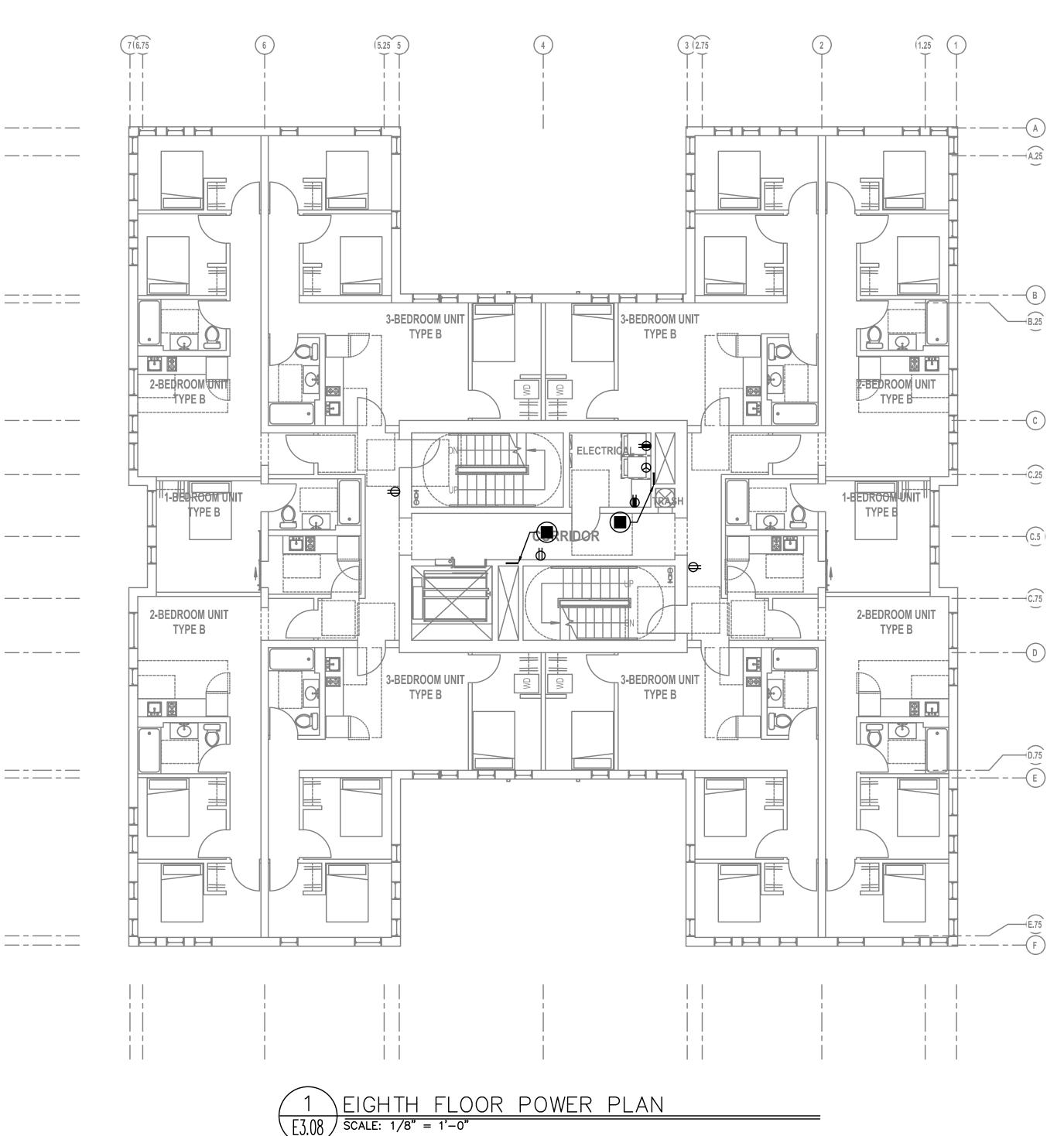


#### DESIGN DEVELOPMENT SET

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ORIGINAL SHEET SIZE: HALF SIZE: 11" x 17"	22" x 34"

## SEVENTH FLOOR POWER PLAN

Drawing Number



- WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- CODES.
- **INFORMATION**
- REQUIREMENTS PRIOR TO ROUGH IN.
- MECHANICAL EQUIPMENT SCHEDULE.
- ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- ROUGH IN FOR THE LOW VOLTAGE SYSTEMS/FIRE ALARM INSTALLER.
- WORKING CLEARANCES ARE PROVIDED.
- PROVIDER'S REQUIREMENTS, FOR 24/7 ACCESS.

# OKEYED POWER NOTES:

- 1. PROVIDE KEY BOX FOR PGE AT METER ROOM FOR 24/7 ACCESS.
- 2. GENERATOR EMERGENCY DISCONNECT.

- 5. EXHAUST FAN IN THIS AREA TO BE TIED INTO THE LIGHTING CIRCUIT.
- WITH ARCHITECT AND COORDINATE WITH ELEVATOR INSTALLER.
- FOR ADDITIONAL INFORMATION.
- 8. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE E1.12 FOR CIRCUITS.
- CIRCUITING INFORMATION.
- 10. REFER TO E2 SERIES SHEETS FOR EXHAUST FAN SWITCH LOCATION (WHERE INSTALLED).
- 11. EACH UNIT LOAD CENTER TO BE FED VIA SUB-METERING SYSTEM. REFER TO ONE-LINE DIAGRAM ON SHEET E1.11 FOR CONDUCTOR SIZE AND CABLING.

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT

B. WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL

C. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. AS REQUIRED. CONSULT MECHANICAL PLANS FOR ADDITIONAL

D. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS AS REQUIRED. CONSULT MECHANICAL CONTRACTOR FOR EXACT

COORDINATE WITH DIVISION 23 FOR EXACT LOCATION AND POWER REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH IN. REFER TO SHEET E1.13 FOR

F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR

G. ELECTRICAL CONTRACTOR SHALL REFER TO THE 'T' SERIES SHEETS AND PROVIDE

H. SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON SIEMENS PRODUCTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT INSTALLED EQUIPMENT FITS THE SPACE PROVIDED AND THAT ALL REQUIRED

PROVIDE A KEY BOX AT THE TRANSFORMER ROOM DOOR PER THE UTILITY

L. REFER TO 'E4' SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER PLANS.

3. LAUNDRY ROOM GFCI RECEPTACLES FOR WASHING MACHINES TO BE MOUNTED AT 42" A.F.F., OR UNLESS OTHERWISE DIRECTED BY THE ARCHITECT. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

4. 40A, DEDICATED 14-40R DRYER RECEPTACLE (TYPICAL). VERIFY EXACT POWER RATING REQUIRED FOR THE COMMERCIAL DRYERS PRIOR TO ORDERING. LAUNDRY ROOM APPLIANCES CIRCUITED TO PANEL 'XX'. REFER TO PANEL SCHEDULE ON SHEET E1.12.

CONSULT ELEVATOR PROVIDER FOR EXACT POWER REQUIREMENTS AND PROVIDE ALL ELECTRICAL WORK AS DIRECTED. VERIFY EXACT LOCATION FOR ELEVATOR EQUIPMENT

7. PROVIDE ROUGH IN AND WIRING FOR ACCESS CONTROL. REFER TO 'T' SERIES SHEETS

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NATIVE LAND DEVELOPMENT

Project Name:

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## MINNESOTA PLACES

1208 N. JESSUP & 5627 N. MINNESOTA (R226159, R226160)

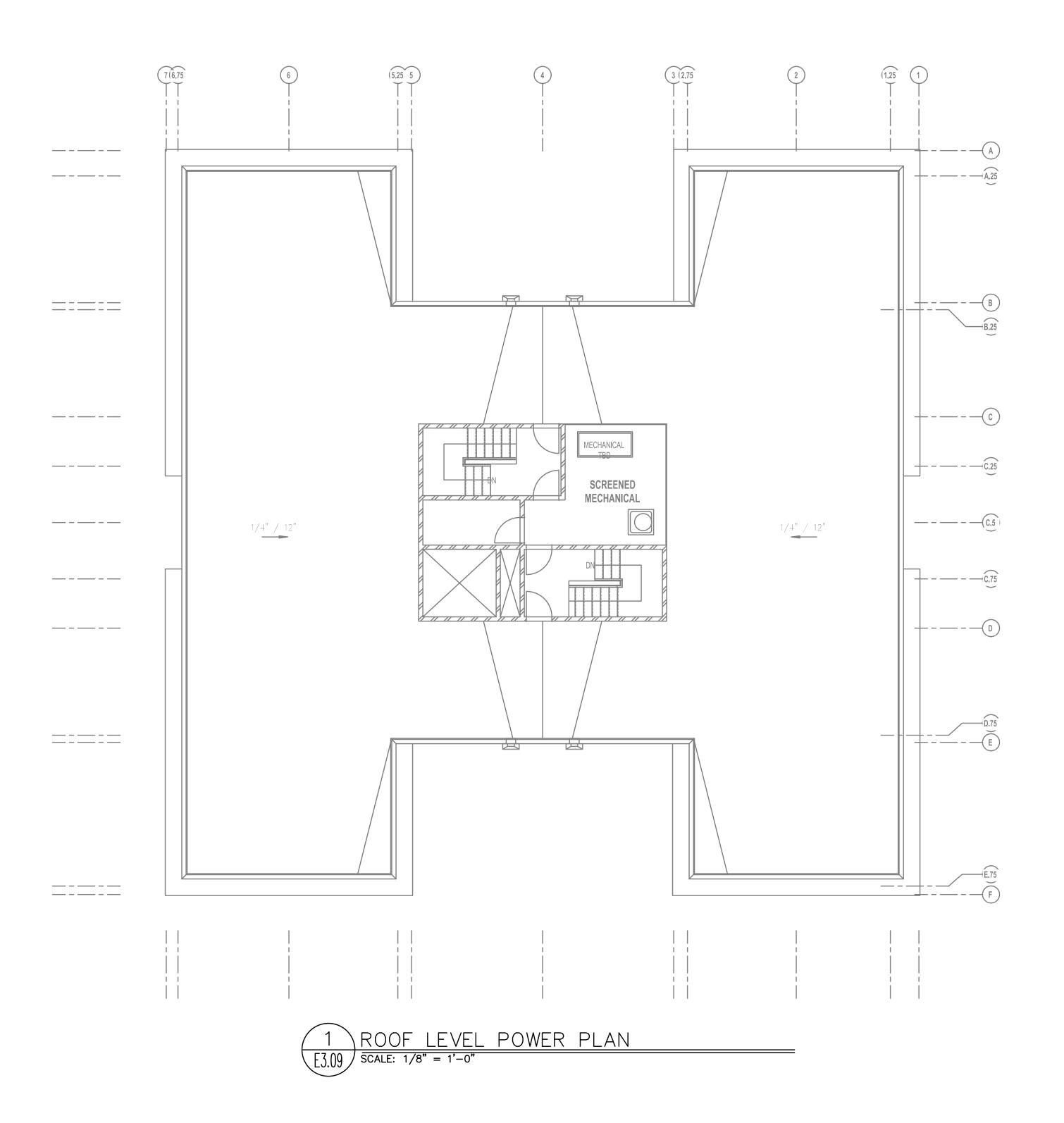




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## **EIGHTH FLOOR** POWER PLAN

Drawing Number



- WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- CODES.
- **INFORMATION**
- REQUIREMENTS PRIOR TO ROUGH IN.
- MECHANICAL EQUIPMENT SCHEDULE.
- ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.
- ROUGH IN FOR THE LOW VOLTAGE SYSTEMS/FIRE ALARM INSTALLER.
- WORKING CLEARANCES ARE PROVIDED.
- PROVIDER'S REQUIREMENTS, FOR 24/7 ACCESS.

# OKEYED POWER NOTES:

- 1. PROVIDE KEY BOX FOR PGE AT METER ROOM FOR 24/7 ACCESS.
- GENERATOR EMERGENCY DISCONNECT. 2.

- 5. EXHAUST FAN IN THIS AREA TO BE TIED INTO THE LIGHTING CIRCUIT.
- WITH ARCHITECT AND COORDINATE WITH ELEVATOR INSTALLER.
- FOR ADDITIONAL INFORMATION.
- 8. LOW VOLTAGE/COMMUNICATIONS SYSTEM DEMARCATION BOARD(S). COORDINATE E1.12 FOR CIRCUITS.
- CIRCUITING INFORMATION.
- 10. REFER TO E2 SERIES SHEETS FOR EXHAUST FAN SWITCH LOCATION (WHERE INSTALLED).
- 11. EACH UNIT LOAD CENTER TO BE FED VIA SUB-METERING SYSTEM. REFER TO ONE-LINE DIAGRAM ON SHEET E1.11 FOR CONDUCTOR SIZE AND CABLING.

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT

B. WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL

C. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR, AS REQUIRED. CONSULT MECHANICAL PLANS FOR ADDITIONAL

D. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS AS REQUIRED. CONSULT MECHANICAL CONTRACTOR FOR EXACT

COORDINATE WITH DIVISION 23 FOR EXACT LOCATION AND POWER REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH IN. REFER TO SHEET E1.13 FOR

F. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR

G. ELECTRICAL CONTRACTOR SHALL REFER TO THE 'T' SERIES SHEETS AND PROVIDE

H. SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON SIEMENS PRODUCTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT INSTALLED EQUIPMENT FITS THE SPACE PROVIDED AND THAT ALL REQUIRED

PROVIDE A KEY BOX AT THE TRANSFORMER ROOM DOOR PER THE UTILITY

L. REFER TO 'E4' SERIES SHEETS FOR TYPICAL DWELLING UNIT POWER PLANS.

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Project Name:

Project Owner:

### MINNESOTA PLACES

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Issued:	
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## **ROOF LEVEL** POWER PLAN

Drawing Number