

2019-10-29

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NORR ARCHITECTS ENGINEERS PLANNERS  
A Partnership of Limited Companies

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4	ISSUED FOR CONSTRUCTION	2019-10-29
3	95% CLIENT REVIEW	2019-08-29
2	66% CLIENT REVIEW	2019-05-09
1	33% CLIENT REVIEW	2019-03-14

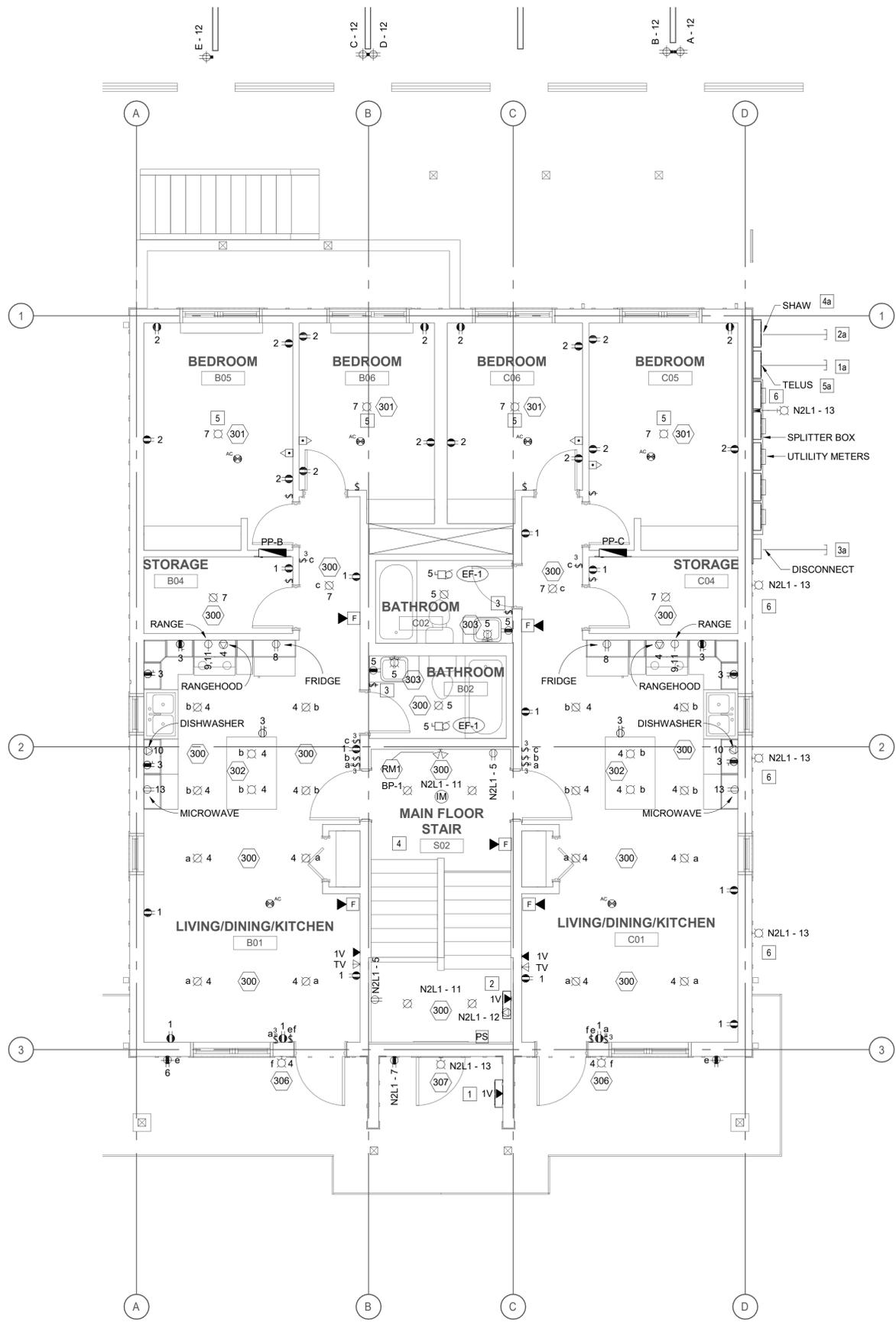
Client: **PSPC**  
10025 JASPER AVE  
EDMONTON, AB, T5J 1S6  
PH. 780-919-9445

Project: **JASPER STAFF HOUSING CONSTRUCTION**

5 PLEX  
**902 PATRICIA STREET  
JASPER, AB, T0E 1E0**

Designed by	Comp. par
R.ALLEN	
Drawn by	Desiné par
F.HAK	
Approved by	Approuvé par
D.HIDER	
Project Manager / Administrateur de Projets	
ROB HAFER	
Drawing Title	Titre du dessin

**POWER & LIGHTING PLAN - MAIN FLOOR**



- GENERAL NOTES:**
- REFER TO DRAWING E4.0 FOR PANEL SCHEDULES
  - REFER TO DRAWING E4.0 FOR LUMINAIRE SCHEDULES.
  - REFER TO MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT SCHEDULE.
  - ALL ELECTRICAL RISER CONDUIT, AND OPENINGS TO BE COORDINATED WITH ARCHITECTURAL AND STRUCTURAL PRIOR TO ROUGH IN.
  - ELECTRICAL CONTRACTOR SHALL SUBMIT SLEEVING DRAWINGS INDICATING THE LAYOUT AND SIZING OF ALL INTENDED PENETRATIONS, THROUGH STRUCTURAL ELEMENTS, INCLUDING EMBEDDED ITEMS, FOR REVIEW BY CONSULTANT WELL IN ADVANCE OF COMPLETING THE WORK.
  - MECHANICAL/ELECTRICAL SYSTEMS, THEIR SUPPORTS AND THE LIKE, MUST BE DESIGNED AND DETAILED TO ACCOMMODATE THE ANTICIPATED MOVEMENTS NOTED UNDER 'SERVICEABILITY CRITERIA' ON STRUCTURAL DRAWINGS.
  - DESIGN AND DETAIL ALL NECESSARY SEISMIC RESTRAINTS FOR MECHANICAL / ELECTRICAL SYSTEMS SHOWN ON THE CONTRACT DOCUMENTS. SUBMIT SHOP DRAWINGS PREPARED BY A PROFESSIONAL ENGINEER, LICENSED TO PRACTICE IN THE PROVINCE OF ALBERTA, FOR REVIEW BY CONSULTANTS.
  - ELECTRICAL EQUIPMENT SHOWN REPRESENTS GENERAL EQUIPMENT CONFIGURATION AND SIZING.. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT FINAL SELECTED WILL FIT IN LOCATIONS INDICATED.
  - PROVIDE FIRE STOPPING ON ALL CABLE PENETRATIONS THROUGH RATED WALL AND FLOOR ASSEMBLIES.
  - ALL RECEPTACLES TO BE CONNECTED TO ARC FAULT BREAKERS AS PER CEC 2015.
  - ALL RECEPTACLES NOT INSTALLED BEHIND KITCHEN EQUIPMENT SHALL BE TAMPER RESISTANT AS PER CEC 2015.
  - KITCHEN COUNTER RECEPTACLES SHALL BE 20A T-SLOT AS PER CEC 2015.
  - COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF RECEPTACLES, INCLUDING MICROWAVE, WITH ARCHITECTURAL.
  - DO NOT INSTALL OULET BOXES BACK TO BACK IN WALLS. OFFSET OUTLETS HORIZONTALLY A MINIMUM OF 406mm AS PER CODE. OUTLET BOXES TO BE SEALED.
  - INSTALL EXTERIOR RECEPTACLES HORIZONTALLY COMPLETE WITH WEATHER PROOF COVERS AS PER CEC 2015.
  - ALL GFCI AND AFCI BREAKERS TO MATCH THE RECEPTACLES.
  - SUPPLY AND INSTALL GFCI BREAKERS AND RECEPTACLES TO MEET REQUIREMENTS OF CEC 2015.
  - COORDINATE LOCATIONS AND HEIGHT OF LUMINAIRES WITH ALL MECHANICAL DUCTWORK, PIPING AND STRUCTURAL MEMBERS.
  - IN SUITE CIRCUITING REPRESENTS GENERAL COORDINATION AND GROUPING OF CIRCUITS. REFER TO PANEL SCHEDULE THAT CORRESPONDS TO SPECIFIC SUITE TYPE.

- UTILITY GENERAL NOTES:**
- ALL UNDERGROUND UTILITY DUCTING TO BE RIGID PVC.
  - SECONDARY DUCTING AND CABLING FROM POLE MOUNTED TRANSFORMER TO PROPERTY LINE BY ATCO. SECONDARY DUCTING AND CABLING FROM PROPERTY LINE TO TO BUILDING METERING LOCATION BY ELECTRICAL CONTRACTOR.
  - BUILDING METERING TO BE INSTALLED IN ACCORDANCE WITH ATCO INSTALLATION GUIDELINES AND REQUIREMENTS.

- UTILITY REFERRAL NOTES:**
- 1X103mm CONDUIT, C/W PULL STRING, RUN TO EDGE PROPERTY LINE FOR TELUS. COORDINATE FINAL LOCATION WITH UTILITY.
  - 1X53mm CONDUIT RUN, C/W PULLSTRING, RUN TO PROPERTY LINE FOR SHAW. COORDINATE FINAL LOCATION WITH UTILITY.
  - POWER CONDUITS RUN TO PROPERTY LINE. REFER TO SINGLE LINE FOR CONDUIT SIZES. COORDINATE FINAL LOCATION WITH UTILITY.
  - MAIN SHAW UTILITY SERVICE BOX.
  - 300MM X 300MM MAIN TELUS UTILITY SERVICE BOX.

- REFERRAL NOTES:**
- BUILDING INTERCOM. INTERCOM TO BE MIRCOM MODEL# KS-108 OR EQUIVALENT. CONTRACTOR TO SUPPLY ALL COMPONENTS AND HARDWARE REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
  - MAIN FIRE ALARM PANEL. COORDINATE MONITORING REQUIREMENTS WITH FIRE DEPARTMENT AND LOCAL AHJ.
  - 30MIN WALL TIMER TO BE INTERCONNECTED WITH EXHAUST FAN. TIMER SUPPLIED BY MECHANICAL AND WIRED BY ELECTRICAL.
  - STAIRWELL LIGHTING ALWAYS ON.
  - JUNCTION BOX TO BE CAPABLE OF SUPPORTING A CEILING FAN. ADDITIONAL REINFORCEMENT TO BE INSTALLED AS REQUIRED. CEILING FAN TO BE LOW PROFILE SBLADE FAN WITH MAX. DIAMETER OF 42". FAN TO BE CHAIN OPERATED, WITH 3 SPEED, ON/OFF OPERABILITY. FAN LIGHT TO SUPPORT MIN 2 13W LED BULBS.
  - LIGHT FIXTURE TO BE MOUNTED FROM TOP OF FIXTURE, 100mm BELOW TOP OF WINDOW. TYPICAL FOR FOUR (4) FIXTURES. PRIOR TO INSTALLATION ENSURE NO LIGHT TRESSPASS OVER FENCE TO ADJACENT PROPERTY AND ADJUST HEIGHT ACCORDINGLY.

**1**  
E2.1 POWER & LIGHTING PLAN - MAIN FLOOR  
SCALE: 1 : 50