

Banff YWCA Courtyard

Affordable Shipping Container Housing

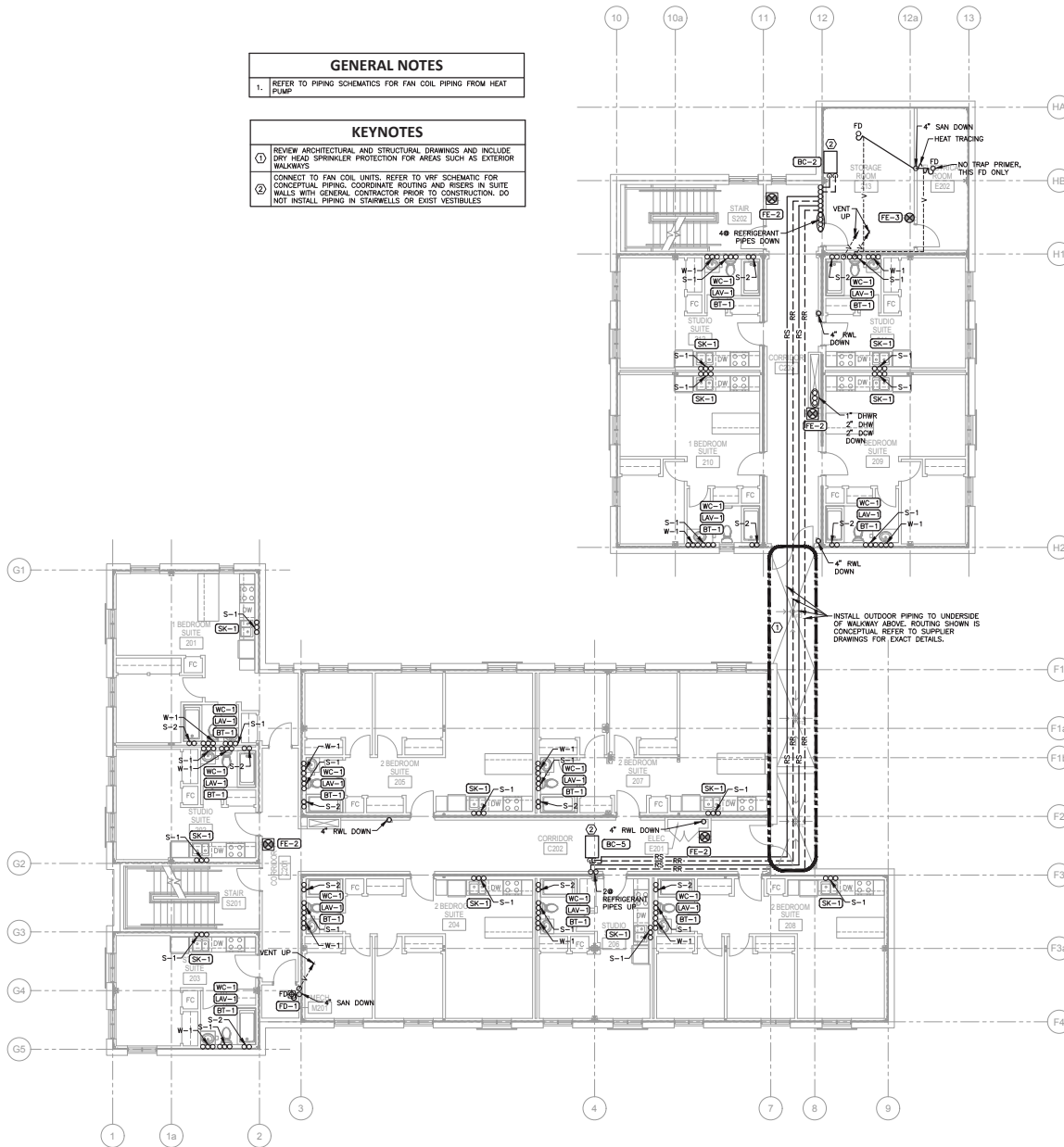


ARROW
ENGINEERING

a division of Englobe

GENERAL NOTES	
1.	REFER TO PIPING SCHEMATICS FOR FAN COIL PIPING FROM HEAT PUMP

KEYNOTES	
①	REVIEW ARCHITECTURAL AND STRUCTURAL DRAWINGS AND INCLUDE DRY HEAD SPRINKLER PROTECTION FOR AREAS SUCH AS EXTERIOR WALKWAYS
②	CONNECT TO FAN COIL UNITS. REFER TO VRF SCHEMATIC FOR CONCEPTUAL PIPING. COORDINATE ROUTING AND RISERS IN SUITE WALLS WITH GENERAL CONTRACTOR PRIOR TO CONSTRUCTION. DO NOT INSTALL PIPING IN STAIRWELLS OR EXIST VESTIBULES

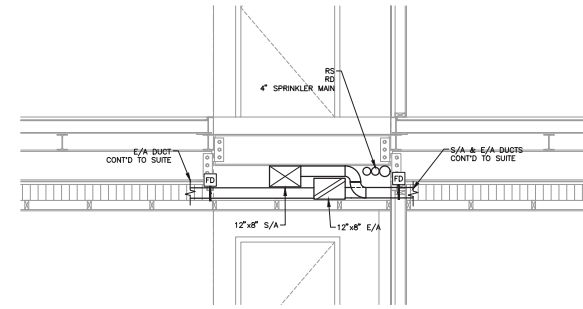
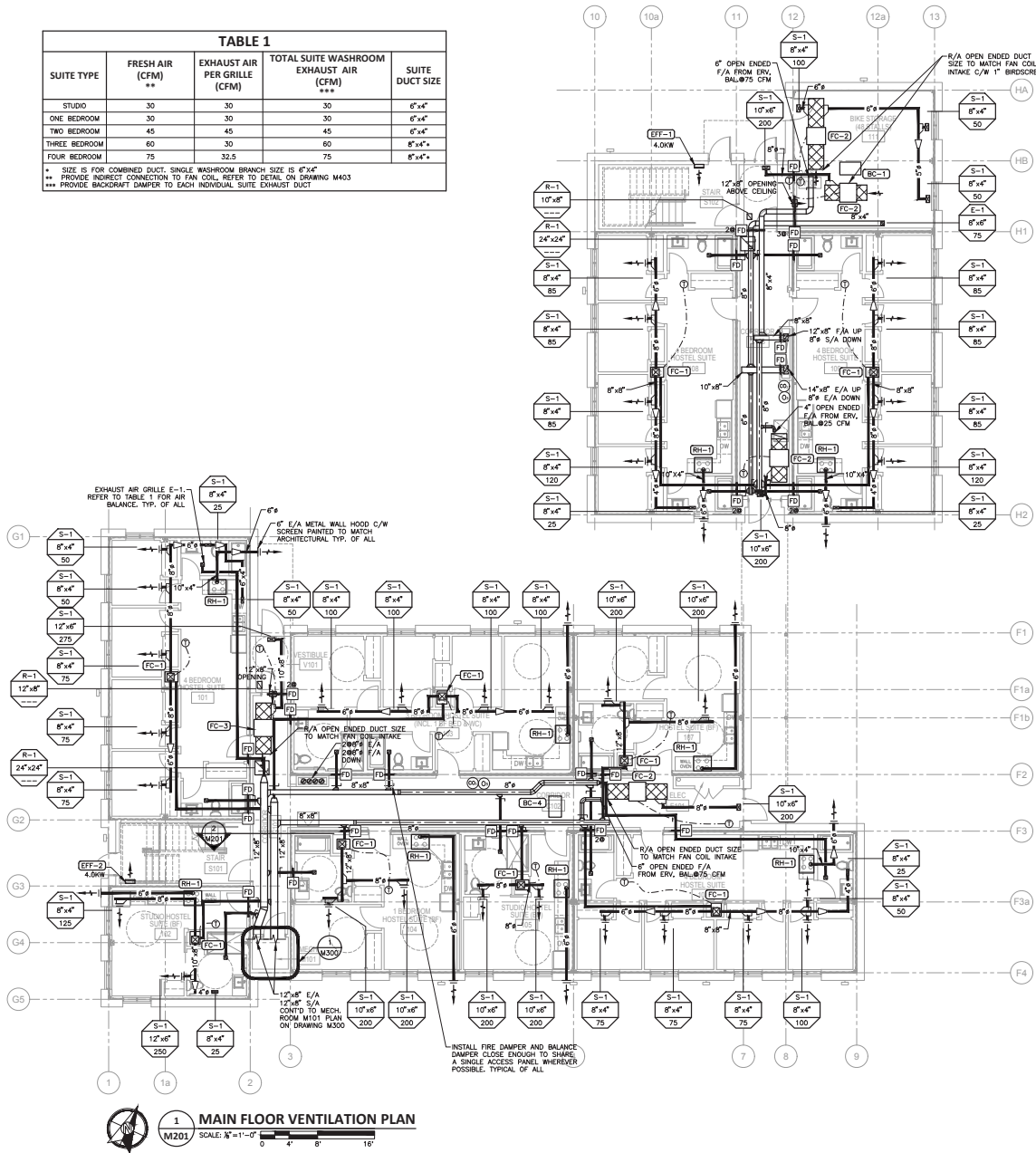


1 SECOND FLOOR PLUMBING PLAN
M104 SCALE: 1/8"=1'-0"
0 4' 8' 16'

No.	Issued For	Date
5	Issued For Construction	2020.7.30
4	Issued For Addendum M2	2020.4.1
3	Issued For Addendum M1	2020.3.23
2	Issued For Tender	2020.3.6
1	Issued For Building Permit	2020.1.27
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SUITE TYPE	FRESH AIR (CFM) **	EXHAUST AIR PER GRILLE (CFM) ***	TOTAL SUITE WASHROOM EXHAUST AIR (CFM) ***	SUITE DUCT SIZE
STUDIO	30	30	30	6" x 4"
ONE BEDROOM	30	30	30	6" x 4"
TWO BEDROOM	45	45	45	6" x 4"
THREE BEDROOM	60	30	60	8" x 4"
FOUR BEDROOM	75	32.5	75	8" x 4"

* SIZE IS FOR COMBINED DUCT. SINGLE WASHROOM BRANCH SIZE IS 6" x 4"
 ** PROVIDE INDIRECT CONNECTION TO FAN COIL. REFER TO DETAIL ON DRAWING M403
 *** PROVIDE BACKDRIFT DAMPER TO EACH INDIVIDUAL SUITE EXHAUST DUCT



2 BUILDING F SECTION 1
SCALE: 1/8\"/>

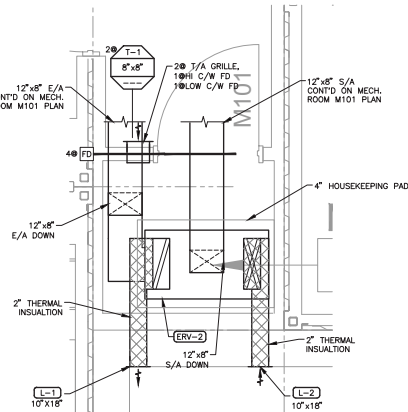
Drawing History		
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Project
**BANFF YWCA COURTYARD
AFFORDABLE RESIDENTIAL
DEVELOPMENT**

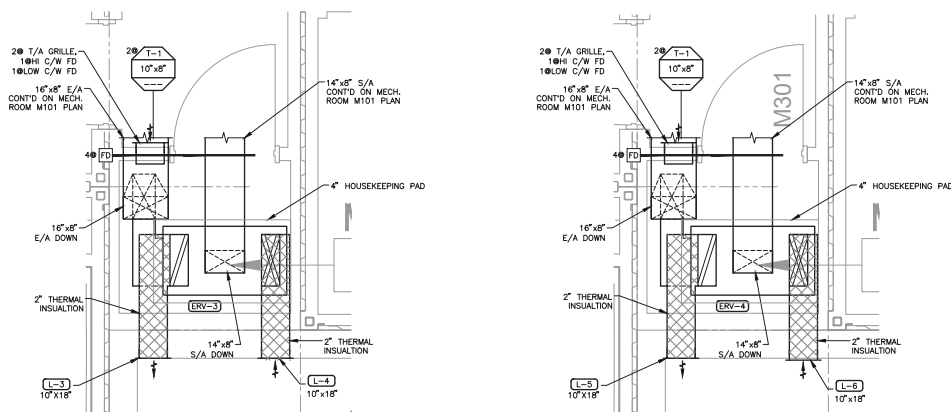
Drawing Title
**MAIN FLOOR
VENTILATION PLAN**

Scale AS SHOWN
Drawing Number

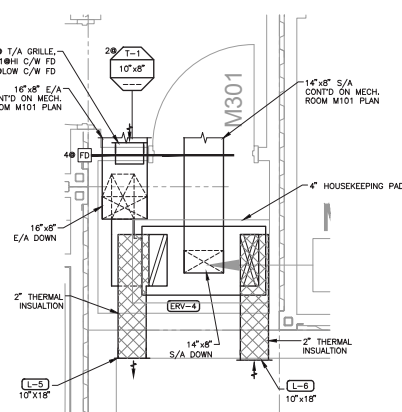
M201



 **MECH. ROOM 101 PLAN**
1
M300
SCALE: $\frac{1}{2}" = 1'-0"$
0 1' 2' 4'



  **MECH. ROOM 201 PLAN**
SCALE: $\frac{1}{8}" = 1' - 0"$ 

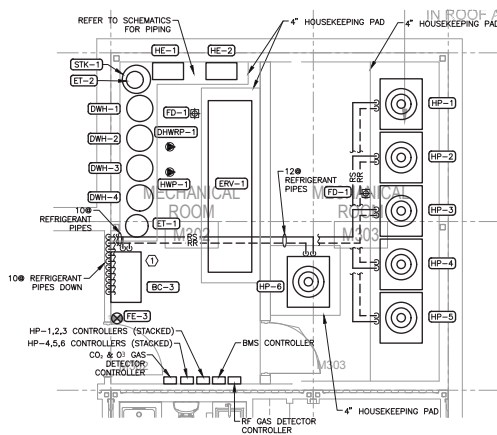




MECH. ROOM 301 PLAN
 M300 SCALE: $\frac{1}{8}" = 1'-0"$ 

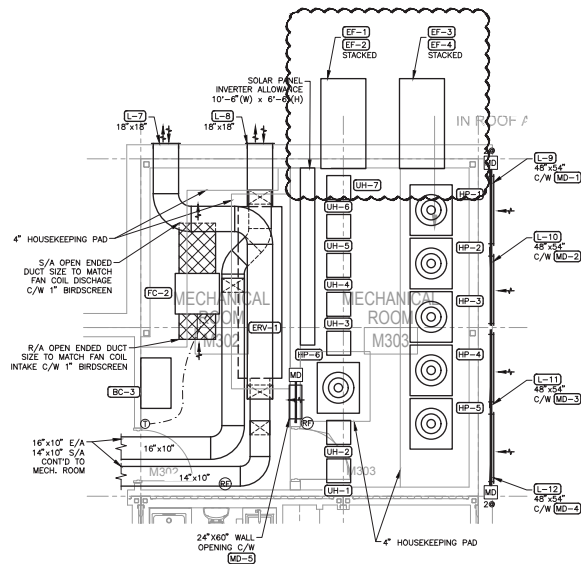
KEYNOTES

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MECH. ROOM 302,303 PLUMBING PLAN
 SCALE: 1/8"=1'-0"

MECH. ROOM 302,303 VENTILATION PLAN

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Project Team
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LOLA Architecture
Structural Consultant
RJC Engineers
Electrical Consultant
Arrow Engineering
Civil Engineer
Arrow Engineering
Landscape Architect
818 Studio

Client

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PROJECT#: 8473

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ENGINEERING
Seal

Seal

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Drawing History

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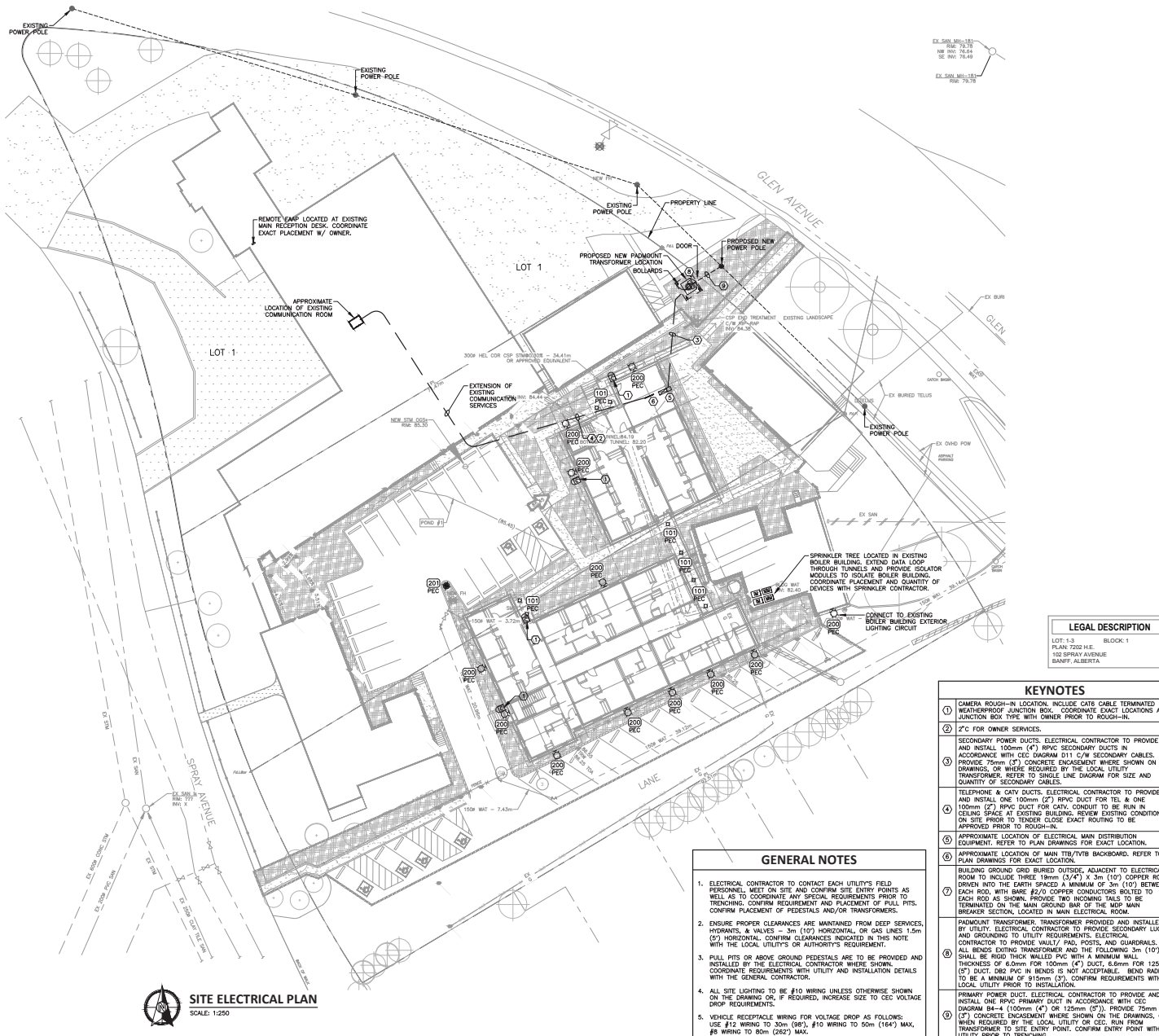
Project
BANFF YWCA COURTYARD
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Drawing Title
MECH. ROOM PLAN

Scale AS SHOWN

Drawing Number

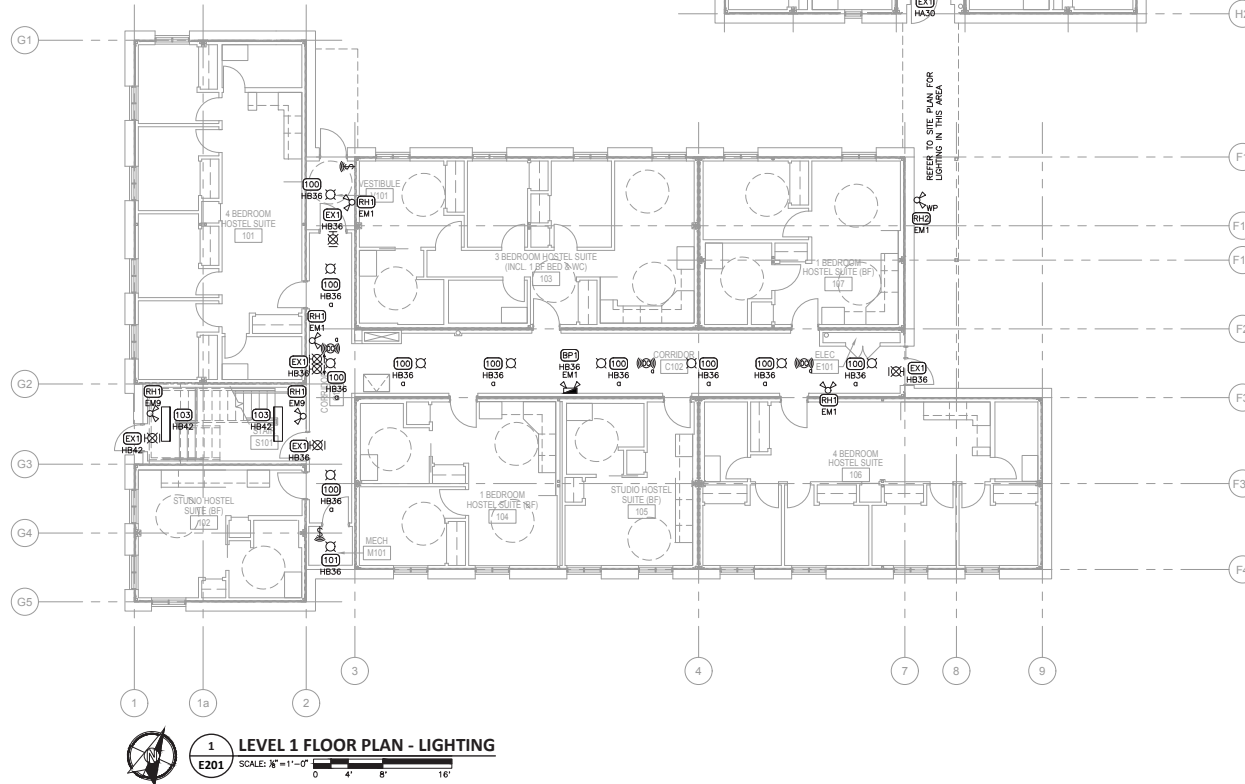
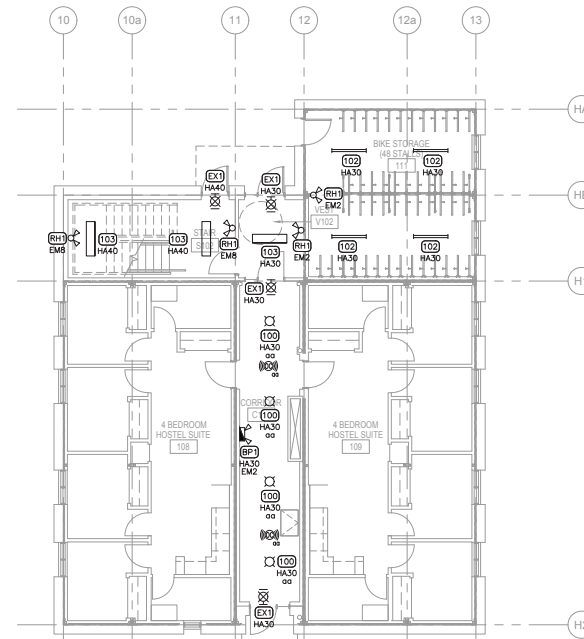
M300



ELECTRICAL LEGEND		
LIGHTING		
ON / OFF SWITCH		RECESSED MOUNTED LIGHT FUTURE
3-WAY SWITCH		SURFACE MOUNTED LIGHT FUTURE
DIMMER SWITCH		SUSPENDED LIGHT FUTURE
WALL MOUNTED OCCUPANCY SENSOR WITH DIMMER		STRIP LIGHT
WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH		WALL MOUNTED LIGHT FUTURE
PANELS		WALL MOUNTED LIGHT FUTURE
CEILING MOUNTED OCCUPANCY SENSOR		SURFACE MOUNTED LIGHT FUTURE
CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR		RECESSED MOUNTED DOWNLIGHT
LOW VOLTAGE SWITCH		RECESSED MOUNTED WALL WASH DOWNLIGHT
CEILING MOUNTED EXT. SIG. LINE TO FLOOR PLATE		PENDANT MOUNTED LIGHT FUTURE
WALL MOUNTED EXT. SIG.		TRACK LIGHT, NO. OF HEADS AS INDICATED ON DRAWINGS
EXIT SIGN WITH SELF POWERED EMERGENCY LIGHTING		UNDERCABINET LIGHT FUTURE
EMERGENCY HEADLIGHTS		UN-SWITCHED "NIGHT LIGHT"
BATTERY BACK C/W EMERGENCY HEADLIGHTS		BOLLARD LIGHT
FUTURE TYPE MARKER		POLE MOUNTED EXTERIOR LIGHT FUTURE
POWER		
DUPLEX RECEPTACLE		PEDESTAL MOUNTED RECEPTACLE
ABOVE COUNTER RECEPTACLE		ROOFTOP MAINTENANCE RECEPTACLE
WEATHER PROOF RECEPTACLE		FLOOR MOUNTED RECEPTACLE
GFI RECEPTACLE		CEILING MOUNTED RECEPTACLE
SPLIT FEED RECEPTACLE		SPECIAL RECEPTACLE
1-SLOT RECEPTACLE		JUNCTION BOX
HALF SWITCHED RECEPTACLE		PAC POLE
TAMPER RESISTANT RECEPTACLE		MOTOR
ISOLATED GROUND RECEPTACLE		DISCONNECT SWITCH
QUAD RECEPTACLE		MAGNETIC STARTER
DISTRIBUTION		
SURFACE MOUNTED PANELBOARD		LOW TENSION PANEL
RECESSED MOUNTED PANELBOARD		UTILITY METER STACK
TELEPHONE OR TELEVISION BACKBOARD (TRB/TVB)		TRANSFORMER
LOW TENSION		
DATA NETWORK JACK		WIRELESS ACCESS POINT - PROVIDE DATA DROP IN CLO
TELEPHONE JACK		FLOOR MOUNTED DATA/TELEPH. OUTLET
COMBINATION TEL./DATA JACK		FLOOR MOUNTED DATA/TELEPH. OUTLET
TELEVISION OUTLET		CEILING MOUNTED SPEAKER
HOM. OUTLET		WALL MOUNTED SPEAKER
PUSHBUTTON		CO./NO. SENSORS
UP/DOWN/STOP BUTTON		TERMINATOR
DOORBELL BUZZER		DATA RACK
FIRE ALARM		
FIRE ALARM HORN		HEAT DETECTOR - FIXED TEMP.
FIRE ALARM HORN STROBE - NO. INDICATES CANCELING RATING		HEAT DETECTOR - RATE OF RISE
FIRE ALARM HORN - NO. INDICATES CANCELING RATING		SMOKE DETECTOR
NO. INDICATES CANCELING RATING		SMOKE ALARM
FIRE ALARM MANUAL STATION		DUAL SMOKE DETECTOR
FIRE ALARM SPEAKER		ASPIRATING SMOKE DETECTOR
FIRE ALARM SPEAKER C/W STROBE, NO. INDICATES CANCELING RATING		FIRE ALARM CONTROL MODULE
FIRE ALARM SPEAKER C/W SILENCER PUSHBUTTON		FIRE ALARM MONITORING MODULE
FIRE ALARM PIEZO SIZED HORN		FIRE ALARM FLOW SWITCH MODULE
FIRE ALARM DOOR HOLD OPEN		FIRE WITH TAMPER SWITCH MODULE
FIRE ALARM PANEL (FACP/TAMP)		ISOLATION MODULE
END OF LINE RESISTOR		
SECURITY		
WALL MOUNTED MOTION SENSOR		SECURITY DOOR CONTACT
CEILING MOUNTED MOTION SENSOR		MAGNETIC LOCK
SECURITY CAMERA		ELECTRIC STRIKE
CARD READER		KEY PAD
GLASS BREAK SENSOR		REQUEST TO EXIT
ANNOTATIONS		
UNDERGROUND OR UNDERSLAB CONDUIT	FACT	FIRE ALARM CONTROL PANEL
UNDERFLOOR OR SUBFLOOR CONDUIT	FACT	FIRE ALARM MONITORING PANEL
COP CENTRAL DISTRIBUTION PANEL	N/A	UN-SWITCHED NIGHT LIGHT
MOP MAIN DISTRIBUTION PANEL	PEC	PHOTOCLOCK CONTROL
SPD SURGE PROTECTIVE DEVICES	TC	TIMECLOCK CONTROL
DRAWING REFERENCE	EX	SECTION/ELEVATION REFERENCE

LIGHT FIXTURE SCHEDULE					
TYPE	MANUFACTURER	DESCRIPTION	LUMENS/LAMPS	FIXTURE WATTAGE	COMMENTS
100	PHILIPS LIGHTOLIER	S10R830K22	2200LM	28W	10" ROUND SLIM SURFACE LED, 3000K
101	PHILIPS LIGHTOLIER	S5R830K10	650LM LED	10W	5" ROUND SLIM SURFACE LED
102	SIGNIFY	FSS440L830-UNV-DIM	4130LM LED	31W	4" LENSED STRIP LIGHT C/W OCC SENSOR.
103	SIGNIFY	FSS440L830-UNV-DIM	4130LM LED	31W	4" LENSED STRIP LIGHT C/W OCC SENSOR W/ DIM TO 50%.
104	SIGNIFY	FSSEZ440L830-UNV	4000LM LED	32W	4" LENSED STRIP LIGHT
200	SEGA	24 372 K3 BLK	504LM LED	6.1W	EXTERIOR WALLPACK, 3000K, BLACK FINISH, MOUNTED AT 10'-0". COORDINATE EXACT LOCATION AND COLOUR WITH ARCHITECTURAL ELEVATIONS.
201	GARCO	PPT 140L 450 WW G2 3 UNV BK	2338LM LED	22W	POST TOP, 4.0m POLE, 3000K, TYPE III, PAINT POLE TO MATCH FIXTURE. CONFIRM COLOUR WITH ARCHITECT.
EX1	AIMLITE	RPALW 2 M WHT BAT		LED	ALUMINUM PICTOGRAM SELF-POWERED EXIT SIGN.
EX2	AIMLITE	RPN 2 WHT		LED	COLD RATED RUNNING MAN. NON-SELF-POWERED EXIT.
RH1	AIMLITE	RMMD 2 12 4LR WHT		LED	REMOTE DUAL EMERGENCY HEADS.
RH2	AIMLITE	RMN2-06-24V 4W LR WHT		LED	WET LOCATION REMOTE DUAL EMERGENCY HEADS.
BP1	AIMLITE	EBST 12 2MD 4LR WHT		LED	BATTERY PACK C/W DUAL EMERGENCY HEADS, SIZE FOR 30 MINUTE OPERATION

NOTES:
 -LIGHT FIXTURES AND LAMPS TO HAVE A COLOUR TEMPERATURE OF 3000K
 -EQUIVALENT PRODUCTS ARE PERMITTED UPON APPROVAL OF ENGINEER
 -FIXTURE DRIVERS TO BE COMPATIBLE WITH LIGHTING CONTROL INCLUDING DIMMERS
 -ALL EMERGENCY LIGHTING SOURCE BATTERIES TO BE SIZED FOR 30 MINUTE OPERATION. FEED FROM THE SAME CIRCUIT AS THE LOCAL LIGHTING
 -ALL REMOTE FIXTURES TO BE FED FROM BATTERY SOURCES THAT ARE ON THE SAME CIRCUIT AS THE LOCAL LIGHTING
 -ALL EMERGENCY FIXTURE HEADS TO MATCH THROUGHOUT ENTIRE PROJECT



Drawing History

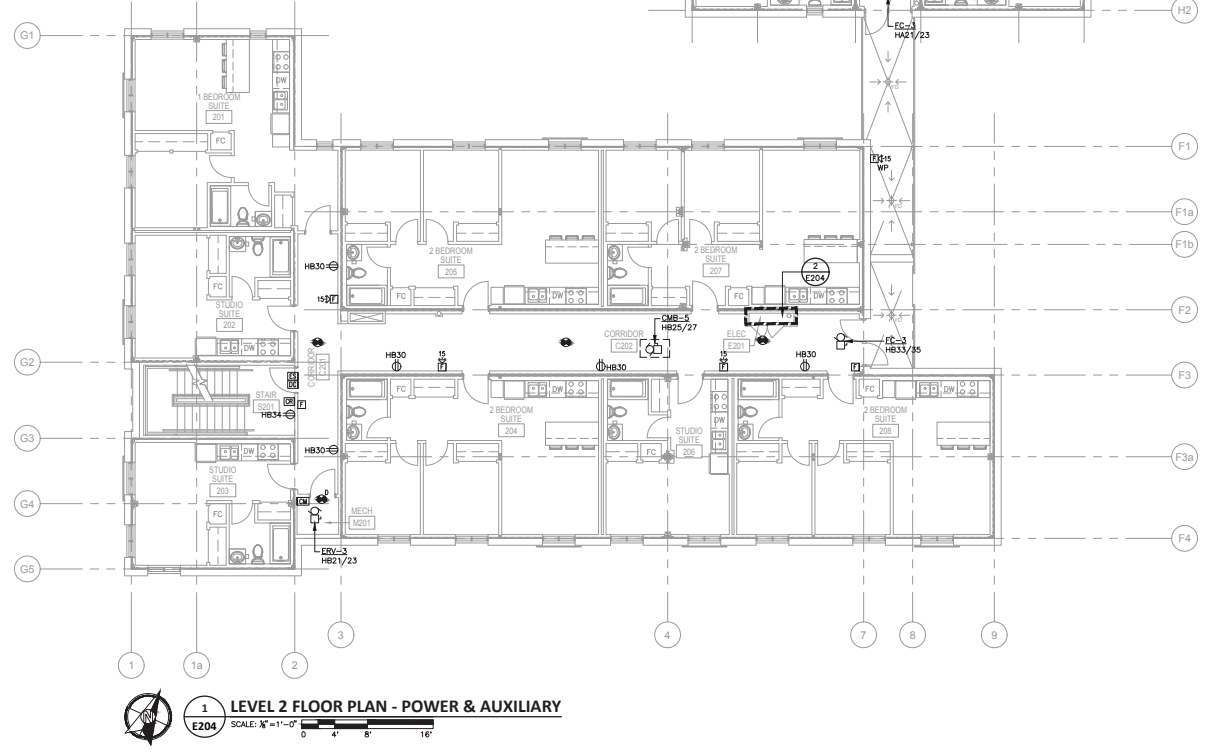
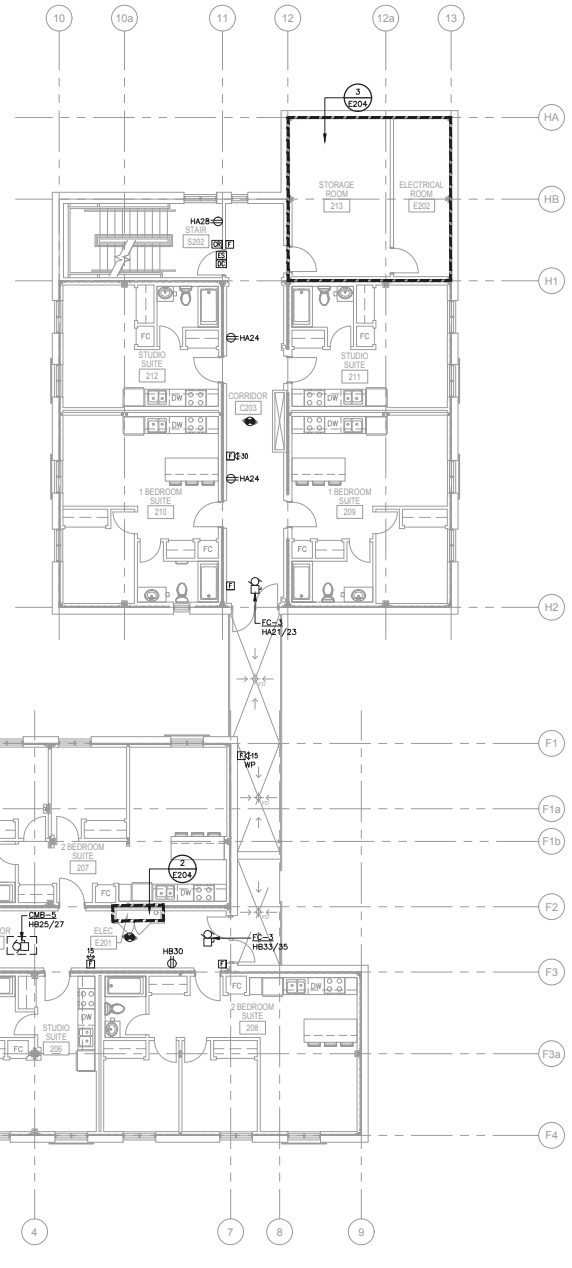
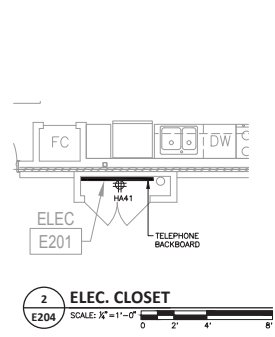
No.	Issued For	Date
7	Issued For Construction	2020.07.10
6	Issued For Utility Coordination	2020.05.04
5	Issued For ADD E1	2020.03.20
4	Issued For Tender	2020.02.28
3	Issued For Utility Review	2020.02.28
2	Issued For Revised DP	2020.01.29
1	Issued For Building Permit	2020.01.27

No.	Issued For	Date
Project No.	2019-021	Drawn/Checked

Project
**BANFF YWCA COURTYARD
 AFFORDABLE RESIDENTIAL
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Drawing Title
**LEVEL 1 FLOOR PLAN
 LIGHTING**

Scale
 Drawing Number

[illegible]

7	Issued For Construction	2020.07.10
6	Issued For Utility Coordination	2020.05.04
5	Issued For ADD E1	2020.03.20
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Drawing Number _____

