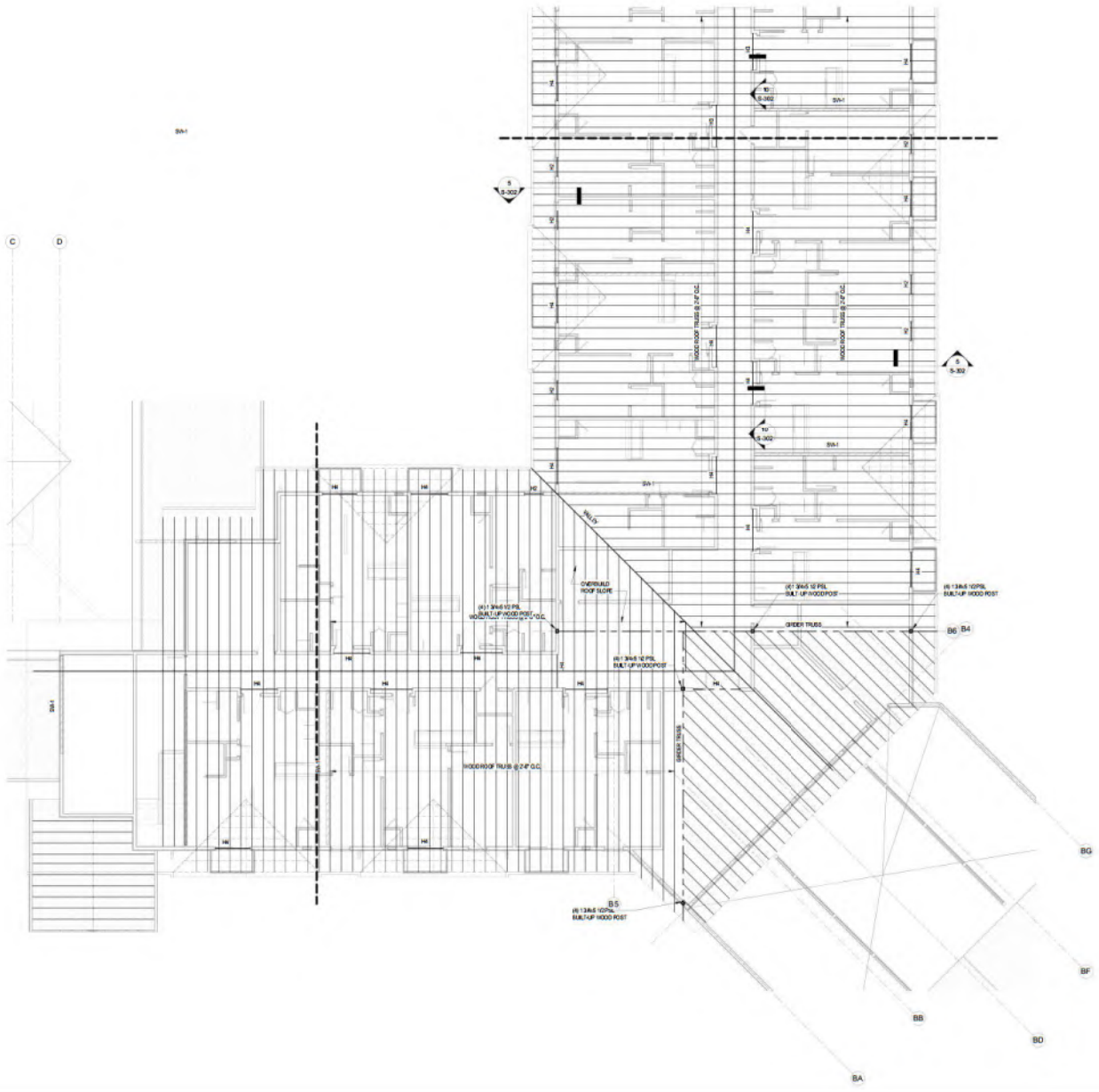
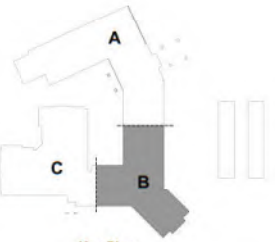


HEADER SCHEDULE

H1 (2)x8
H2 (2)x10
H3 (2)x12
H4 (2) 1 3/4 x 9 1/4 LVL (1.8E-2000Fb)
H5 (2) 1 3/4 x 11 7/8 LVL (1.8E-2000Fb)
H6 (3) 1 3/4 x 14 LVL (1.8E-2000Fb)
H7 (3) 1 3/4 x 9 1/2 VERSA-LAM
H8 (2)x12
H9 (2)x8

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Key Plan
1" = 80'-0"

SHEET NOTES:

1. ROOF SHEATHING SHALL BE 5/8" APA RATED PLYWOOD. FASTEN SHEATHING TO TRUSSES PER IBC 2306 TABLE 2304.9.1.
2. ATT ASHLFLOOR SHEATHING TO SHEAR WALLS AS FOLLOWS 10d NAILS AT 4" ON CENTER.
3. EXTERIOR WALLS, BEARING WALLS, AND SHEAR WALLS SHALL BE 2x6 STUDS AT 16" O.C.
4. REFER TO MANUFACTURER'S GUIDELINES FOR HARDWARE SELECTION AND INSTALLATION. ALL HARDWARE SHALL BE SIMPSON STRONG TIE OR EQUAL.
5. SEE SHEET S-000 GENERAL NOTES FOR ROOF SHEATHING NAILING REQUIREMENTS.
6. SEE SHEET S-401 FOR SHEARWALL DETAILS.
7. ROOF SHEATHING SHALL BE FIRE-RETARDANT TREATED WOOD 4 FEET ON BOTH SIDES OF FIRE WALL. FIRE WALL SHALL EXTEND TO UNDERSIDE OF ROOF SHEATHING OVER ROOF TRUSSES. CONTRACTOR SHALL COORDINATE TRUSS LAYOUT W/ FIRE WALL.
8. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR AND ROOF TRUSS BEARING ELEVATIONS.
9. STEEL GSWS SHALL INCLUDE MINIMUM DOUBLE 2x NAILER BOLTED TO TOP FLANGE USING 1/2" DIA ASBTBOLTS STAGGERED AT 3'-6" O.C. TOP OF STEEL SHALL BE DETERMINED FROM ARCHITECTURAL FLOOR AND ROOF ELEVATIONS.
10. FLAT ROOF TRUSS DESIGN SHALL INCLUDE PROVISION FOR MECHANICAL EQUIPMENT WEIGHTS AND SNOW DRIFTING PER ASCE 7-16. REFERENCE SHEET M-101.
11. EXTERIOR WALL OPENING HEADER AT MECHANICAL OPENINGS AND WALK DOORS SHALL BE (2) 2x8 UNLESS NOTED OTHERWISE.



Roof Framing Plan Area B
1/8" = 1'-0"

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The Heritage at Fox Run - Council Bluffs

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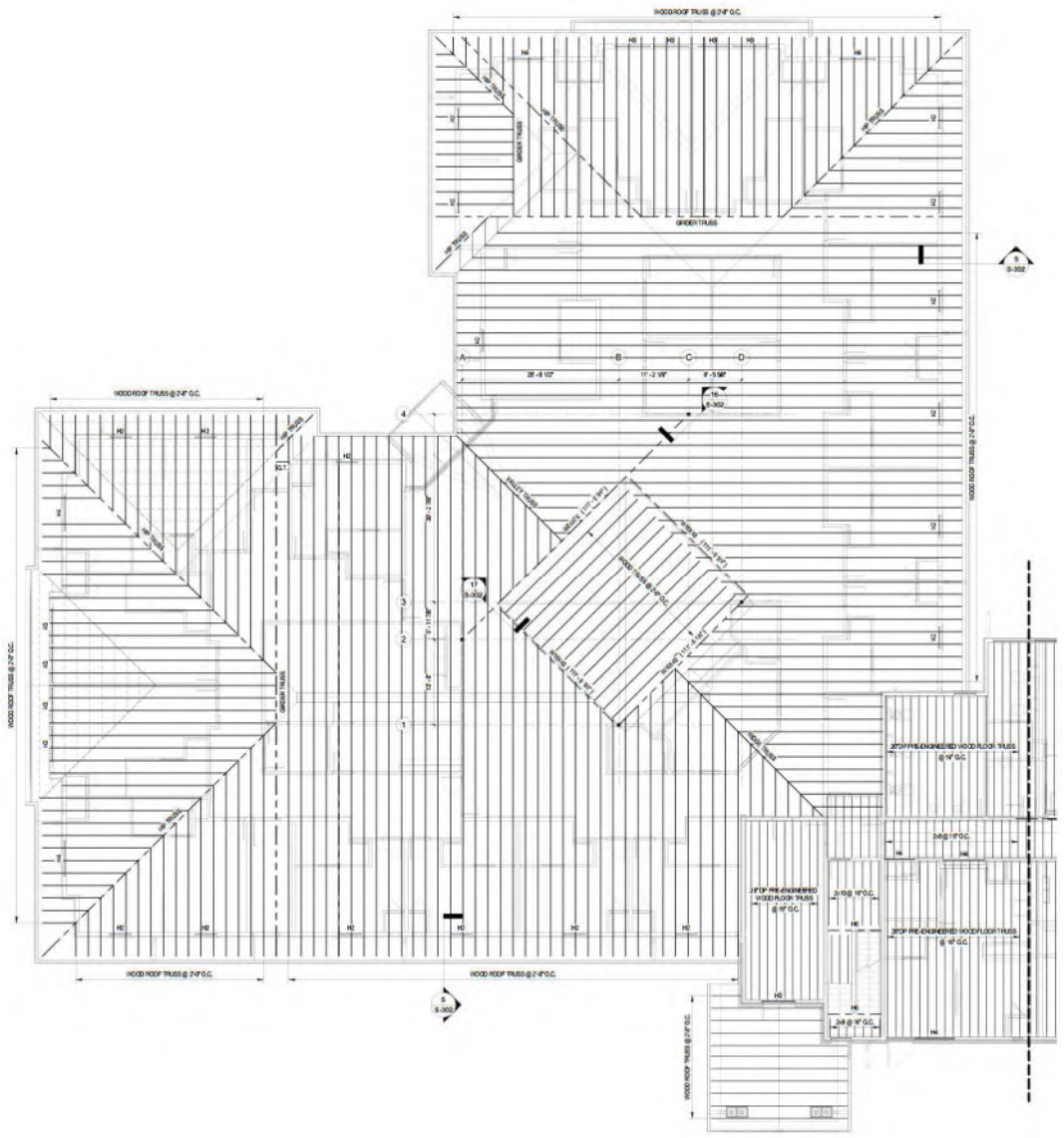
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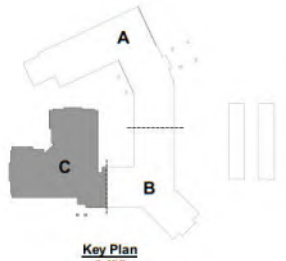
ROOF FRAMING PLAN AREA B

S-205



Roof Framing Plan - Area C
1/8" = 1'-0"

1

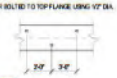


Key Plan
1" = 80'-0"

HEADER SCHEDULE
H1 (2)2x8
H2 (2)2x10
H3 (2)2x12
H4 (2) 1 3/4 x 9 14VL (1.9E-2000Fb)
H5 (3) 1 3/4 x 11 7/8VL (1.9E-2000Fb)
H6 (3) 1 3/4 x 14 LVL (1.9E-2000Fb)
H7 (3) 1 3/4 x 18 1/2VL
H8 (2)2x12
H9 (2)2x8

SHEET NOTES:

1. ROOF SHEATHING SHALL BE 5/8" RLYW-2000. FASTEN SHEATHING TO TRUSSES PER IBC 2006 TABLE 2304.9.1.
2. ATT ASHFLOOR SHEATHING TO SHEAR WALLS AS FOLLOWS 10d NAILS AT 4" ON CENTER.
3. EXTERIOR WALLS, BEARING WALLS, AND SHEAR WALLS SHALL BE 2x6 STUDS AT 16" O.C.
4. REFER TO MANUFACTURER'S GUIDELINES FOR HARDWARE SELECTION AND INSTALLATION. ALL HARDWARE SHALL BE SIMPSON STRONG-TIE OR EQUAL.
5. SEE SHEET S-300 GENERAL NOTES FOR ROOF SHEATHING NAILING REQUIREMENTS.
6. SEE SHEET S-400 FOR SHEARWALL DETAILS.
7. ROOF SHEATHING SHALL BE FIRE-RETARDANT TREATED WOOD 4 FEET ON BOTH SIDES OF FIRE WALL. FIRE WALL SHALL EXTEND TO UNDERSIDE OF ROOF SHEATHING OVER ROOF TRUSSES. CONTRACTOR SHALL COORDINATE TRUSS LAYOUT W/ FIRE WALL.
8. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR AND ROOF TRUSS BEARING ELEVATIONS.
9. STEEL BEAMS SHALL INCLUDE MINIMUM DOUBLE 3/4 NAILER BOLTED TO TOP FLANGE USING 1/2" DIA. ASBT BOLTS STAGGERED AT 3'-6" O.C. TOP OF STEEL SHALL BE DETERMINED FROM ARCHITECTURAL FLOOR AND ROOF ELEVATIONS.
10. FLAT ROOF TRUSS DESIGN SHALL INCLUDE PROVISION FOR MECHANICAL EQUIPMENT WEIGHTS AND SNOW DRIFTING PER ASCE 7-10. REFERENCE SHEET M-1EC.
11. EXTERIOR WALL OPENING HEADER AT MECHANICAL OPENINGS AND WALK DOORS SHALL BE (2) 2x6 UNLESS NOTED OTHERWISE.



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ROOF FRAMING PLAN
AREA C

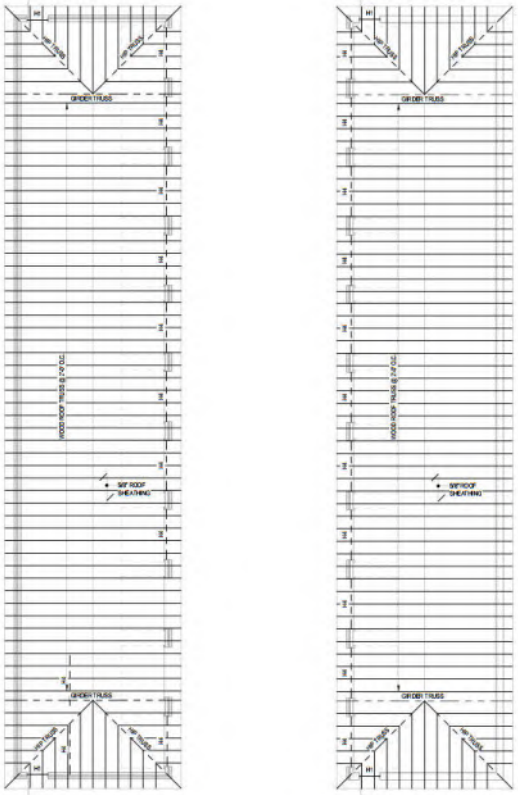
S-206

HEADER SCHEDULE

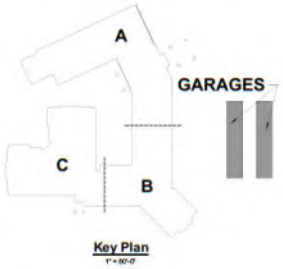
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H8 (2)2x12
H9 (2)2x6

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Roof Framing Plan - Garages 1
1/8" = 1'-0"



Key Plan
1" = 80'-0"

The Heritage at Fox Run - Council Bluffs

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Council Bluffs, Iowa 51501

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ROOF FRAMING PLAN GARAGES

S-207

GENERAL STRUCTURAL NOTES:

A. DESIGN DATA:

DESIGN CODE:	IBC 2015
CONCRETE 28 DAY STRENGTH:	FC = 4,000 PSI
STRUCTURAL STEEL (BEAMS & COLUMNS)	ASTM A992
STRUCTURAL TUBES	ASTM A1085 (50ksi)
STRUCTURAL PIPE	ASTM A53 GRADE B
MISCELLANEOUS ROLLED SECTIONS AND PLATES (ANGLES, CHANNELS, PLATES, ETC.)	ASTM A36
HIGH STRENGTH BOLTS	ASTM A325
PLAIN BOLTS AND ANCHORS OR GR.36 (WELDABLE, S1)	ASTM F1554 GR. 36
HEADED SHEAR STUDS	ASTM A108
REINFORCING STEEL	ASTM A615 FY = 60,000 PSI
WELDED WIRE FABRIC	ASTM A185
CONCRETE MASONRY UNITS (ASTM 2940 NORMAL WEIGHT 1,900 PSI UNIT STRENGTH)	Fm =1,500 PSI
MORTAR TYPE M OR S GROUT 2500 PSI STRENGTH	FC = 2,000 PSI
ALLOWABLE SOIL BEARING CAPACITY	2,000 PSF

DESIGN LOADS

GRAVITY LOADS:
FLOOR LIVE LOADS:
- 1ST FLOOR RESIDENTIAL — LL = 40 PSF
- 1ST FLOOR CORRIDORS AND PUBLIC SPACES — LL = 100 PSF
- 2ND FLOOR RESIDENTIAL — LL = 40 PSF
- 2ND FLOOR CORRIDOR — LL = 80 PSF
- 2ND FLOOR PUBLIC SPACES — LL = 100 PSF
- 3RD FLOOR RESIDENTIAL — LL = 40 PSF
- 3RD FLOOR CORRIDOR — LL = 80 PSF
- 3RD FLOOR PUBLIC SPACES — LL = 100 PSF

ROOFS — DL = 25 PSF
LL BASED ON GROUND SNOW LOAD OF 30 PSF
(Ce = 0.9, Ct = 1.2, AND Is = 1.0)**

**INCREASE LIVE LOAD FOR SNOW DRIFTING AS REQUIRED IN CONFORMANCE WITH THE AMERICAN SOCIETY OF CIVIL ENGINEERS ANSI/ASCE 7-16.

WIND LOADING CRITERIA (2015 IBC)
BASE WIND SPEED (3 SECOND GUST) 'V' = 115 MPH
BUILDING CATEGORY II
EXPOSURE CATEGORY C

SEISMIC LOADING CRITERIA (2015 IBC)
- SPECTRAL RESPONSE COEFFICIENT SDS = 0.125 g
- SPECTRAL RESPONSE COEFFICIENT SD1 = 0.090 g
- HEIGHT/ASCE FACTOR 'Ie' = 1.0
- OCCUPANCY CATEGORY II
- SITE CLASS D
- SEISMIC DESIGN CATEGORY A

SEISMIC FORCE RESISTING SYSTEMS = ORDINARY REINFORCED MASONRY SHEAR WALLS (R=2) AND LIGHT-FRAMED WOOD SHEATHED WALLS (R=6.5).

B. FOUNDATION WORK:

1. THE GEOTECHNICAL REPORT PREPARED BY TERRACON, PROJECT 88180121, DATED JULY 23, 2018 IS AVAILABLE AND SHALL BE PART OF CONTRACT DOCUMENTS FOR SITE PREPARATION FOR BUILDING FOOTINGS. PRIOR TO POURING CONSTRUCTION CONTRACTOR SHALL CONFIRM SUBGRADE RESULTS WITH GEOTECHNICAL ENGINEER, AVAILABLE AND SHALL BE REVIEWED BY THE CONTRACTOR, SEE GEOTECHNICAL REPORT FOR OVEREXCAVATION AND RECOMPACTION REQUIREMENTS.

2. SUBSOILS SUPPORTING OR IN DIRECT CONTACT WITH FOOTINGS, SLABS ON GRADE, OR OTHER FOUNDATION ELEMENTS SHALL BE PROTECTED AGAINST FREEZING CONDITIONS THAT COULD CAUSE MOVEMENT OR OTHER DETRIMENTAL EFFECT TO THE STRUCTURE AS A WHOLE OR TO ANY OF ITS COMPONENT PARTS.

3. WHEN WORKING NEAR EXISTING AND/OR NEW CONSTRUCTION, THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION SO AS NOT TO UNDERMINE, DISTURB, DAMAGE OR, IN ANY WAY, CAUSE UNDESIRABLE MOVEMENT, CRACKING, AND/OR SETTLEMENT OF THE ADJACENT CONSTRUCTION.

4. ALL SLABS ON GRADE SHALL BEAR ON UNDISTURBED VIRGIN SOIL OR PROPERLY COMPACTED BACKFILL/GRANULAR FILL. ANY UNACCEPTABLE UNDISTURBED VIRGIN SOIL OR BACKFILL/GRANULAR FILL AS DETERMINED BY THE OWNER'S GEOTECHNICAL ENGINEER, SHALL BE REMOVED AND REPLACED AS REQUIRED BY THE GEOTECHNICAL ENGINEER.

5. CONTRACTOR SHALL COORDINATE FOOTING ELEVATIONS WITH FINAL GRADING PLAN TO PROVIDE A MINIMUM OF 42"OF GRADE ABOVE THE BOTTOM OF ALL FOOTINGS FOR FROST PROTECTION.

C. CONCRETE:

1. FOR REINFORCEMENT DEVELOPMENT LENGTH AND SPLICE LENGTH SEE TYPICAL REINFORCEMENT TABLE ON THIS SHEET.

2. PROVIDE CORNER BARS IN WALLS AND FOOTINGS THE SAME SIZE AND NUMBER AS THE CONTINUOUS REINFORCING.

3. REINFORCING IN FOOTINGS SHALL BE ACCURATELY PLACED BEFORE PLACING CONCRETE. DO NOT FLOAT REINFORCING INTO FOOTINGS.

4. CONCRETE SHALL BE REGULAR WEIGHT (145 PCF) WITH TYPE I CEMENT, POTABLE WATER, AND AGGREGATES CONFORMING TO REQUIREMENTS OF NEBRASKA DEPARTMENT OF ROADS FOR 47-B CONCRETE, UNLESS NOTED OTHERWISE. CONCRETE SHALL CONFORM TO ACI 301-16.

5. MECHANICALLY VIBRATE CONCRETE, EXCEPT THAT SLABS ON GRADE NEED BE VIBRATED ONLY AROUND UNDERFLOOR DUCTS AND OTHER ITEMS EMBEDDED IN THE SLAB.

6. DO NOT PLACE PIPES, DUCTS, OR CHASES IN STRUCTURAL CONCRETE WITHOUT APPROVAL OF THE ARCHITECT/ENGINEER. SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATIONS.

7. CONSTRUCT FORMWORK SO CONCRETE MEMBERS AND STRUCTURES ARE OF SIZE, SHAPE, ALIGNMENT, ELEVATION, AND POSITION INDICATED, WITHIN TOLERANCE LIMITS OF ACI 117.

8. FINISH CONCRETE SUSPENDED SLABS AND SLABS-ON-GRADE PER THE FOLLOWING CRITERIA ACCORDING TO ASTM E 1155. CONFLY WITH ACI 302.1 R RECOMMENDATIONS FOR SCREEDING, RESTRAIGHTENING, AND FINISHING OPERATIONS FOR CONCRETE SURFACES. DO NOT WET CONCRETE SURFACES.

a. SLABS-ON-GRADE - SPECIFIED OVERALL VALUES OF FLATNESS, F(F) 35, AND OF LEVELNESS, F(L)25; WITH MINIMUM LOCAL VALUES OF FLATNESS, F(F) 24 AND OF LEVELNESS, F(L) 17

9. CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE PLACED AT COLUMN LINE INTERSECTIONS AND AS NECESSARY TO NOT EXCEED A SPACING OF 36 TIMES THE SLAB THICKNESS. MAXIMUM ASPECT RATIO SHALL BE 1.5 TO 1 UNLESS NOTED OTHERWISE.

10. THICKEN SLABS ON GRADE UNDER NON-LOAD BEARING MASONRY WALLS TO 8 INCHES AND REINFORCE WITH 2-#4 CONTINUOUS.

11. ALL CONSTRUCTION JOINTS IN CONCRETE WALLS SHALL HAVE A 2" X 4" CONTINUOUS KEYWAY. ALL CONSTRUCTION JOINTS, EXCEPT THOSE DETAILED, SHALL HAVE ARCHITECT/ENGINEER APPROVAL. SEE SPECIFICATIONS FOR OTHER CONSTRUCTION JOINT REQUIREMENTS.

12. ALL REINFORCING STEEL SHALL BE DEFORMED NEW BILLET BARS (ASTM A615, GRADE 60), BENT COLD, AND DETAILED, FABRICATED, AND HELD IN PLACE IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315, LATEST EDITION) EXCEPT AS OTHERWISE DETAILED OR SPECIFIED.

13. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT, UNLESS NOTED OTHERWISE:
- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
- CONCRETE EXPOSED TO EARTH OR WEATHER: 2"
- CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:

14. UNLESS NOTED OTHERWISE, SLABS ON GRADE SHALL BE 4" CONCRETE REINFORCED WITH 6 X 6 W1.4 X W1.4 WELDED WIRE FABRIC ON 4" GRANULAR FILL WITH VAPOR BARRIER. UPON APPROVAL OF ENGINEER, WELDED WIRE FABRIC MAY BE REPLACED WITH SYNTHETIC MACRO-FIBER. MACRO-FIBER SHALL BE A MINIMUM 1 1/2 INCH LENGTH, A MINIMUM ASPECT RATIO OF 75, SHALL PROVIDE A MINIMUM TENSILE STRENGTH OF 78 KSI, AND SHALL BE COMPRISED OF POLYOLEFIN FIBER MEETING ASTM C1116, TYPE III AND ASTM D638. MACRO-FIBER PRODUCT SHALL BE SUBMITTED FOR APPROVAL PRIOR TO PLACING CONCRETE FOR SLABS ON GRADE.

15. ALL REINFORCING IN SLABS AND WALLS SHALL BE CONTINUOUS UNLESS DETAILED OTHERWISE AND LAP SPLICED ONLY IN REGIONS OF LOW STRESS. ALL BARS SHALL HAVE A STANDARD HOOK WHERE A HOOK IS SHOWN, UNLESS DETAILED OTHERWISE.

D. MASONRY:

1. FURNISH AND CONSTRUCT MASONRY IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR MASONRY CONSTRUCTION (ACI 530.1-13/ASCE 6-13/TMS 602-13).

2. LAY MASONRY UNITS IN RUNNING BOND.

3. MAXIMUM GROUT LIFT: WITHOUT CLEANOUTS SHALL BE 4'-0" IN BLOCK WALLS AND IF GROUTED TWO WYTHE WALLS.

4. 8"W WALLS PROVIDE CONTINUOUS FULL HEIGHT VERTICAL REINFORCING IN CENTER OF GROUT AT CENTER OF WALL TYPICAL REINFORCING SHALL BE 1 #5 AT 4'-0" ON CENTER AND 3 #5 AT CORNERS, INTERSECTIONS, WALL ENDS, DOOR AND WINDOW JAMBS, AND SIDE OF EXPANSION OR CONTROL JOINTS UNLESS NOTED OTHERWISE.

5. GROUT CELLS FULL AT ALL EXPANSION ANCHOR LOCATIONS.

6. PROVIDE LADDER TYPE #4 JOINT REINFORCING AT 16" ON CENTER VERTICAL SPACING IN ALL CONCRETE MASONRY AND UNLESS NOTED OTHERWISE.

7. SPLICE MASONRY WALL REINFORCING 48 BAR DIAMETERS.

8. SPLICE PLACE BOND BEAM REINFORCING AT MASONRY CONTROL/EXPANSION JOINTS AS SHOWN ON MASONRY JOINT DETAIL ON THIS SHEET.

9. PROVIDE CONTINUOUS BOND BEAMS AT ALL BEAM BEARING ELEVATIONS AND AT THE TOP OF ALL WALLS.

10. PROVIDE CONTINUOUS WIRE LATH GROUT BARRIERS BELOW BOND BEAMS.

11. PROVIDE LINTELS OVER ALL OPENINGS AND RECESSES IN MASONRY WALLS. EXTERIOR LINTELS SHALL BE GALVANIZED, UNLESS NOTED OTHERWISE.

12. FOR ALL OPENINGS NOT OTHERWISE DETAILED OR SCHEDULED, MINIMUM LINTELS SHALL BE FOR EACH INCH OF MASONRY WIDTH: L 3 1/2 X 3 1/2 X 1/4 FOR SPANS UP TO 4'0", L 4 X 3 1/2 X 5/16 FOR SPANS UP TO 6'0" AND L 5 X 3 1/2 X 5/16 FOR SPANS UP TO 8'0". FOR SPANS LESS THAN 2'0" PROVIDE A 5/16" PLATE.

13. ALL LINTELS SHALL HAVE A MINIMUM BEARING OF 8 INCHES EACH END.

E. STEEL:

1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS AND OSHA REGULATION 29 CFR PART 1926.

2. SHOP PAINT STRUCTURAL STEEL WITH FABRICATOR'S STANDARD LEAD- AND CHROMATE-FREE, NONASPHALTIC, RUST-INHIBITING PRIMER, UNLESS NOTED OTHERWISE. ALL EXTERIOR EXPOSED STEEL SHALL BE GALVANIZED. UPON APPROVAL OF ARCHITECT, PAINTING MAY NOT BE REQUIRED FOR SURFACES ENCLOSED WITHIN FINISHED CONSTRUCTION.

3. COMPLY WITH AMERICAN WELDING SOCIETY STANDARDS. ALL WELDERS SHALL HAVE VALID CERTIFICATES AND HAVE CURRENT EXPERIENCE IN TYPE OF WELD CALLED FOR.

4. WELDING ELECTRODES SHALL BE E70 FOR ALL STEEL, UNLESS NOTED OTHERWISE.

5. BOLTED CONNECTIONS SHALL BE SUPPLIED AND INSTALLED PER THE REQUIREMENTS OF RCSC1 "SPECIFICATIONS FOR STRUCTURAL JOINT USING ASTM A325 OR A490 BOLTS." SHOP AND FIELD BOLTED CONNECTIONS SHALL BE BEARING CONNECTIONS, UNLESS NOTED OTHERWISE.

6. ANCHOR RODS FOR COLUMN BASE PLATES SHALL BE SECURED IN PLACE WITH A TEMPLATE AND SECURELY TIED TO REINFORCING BARS BEFORE PLACING OF CONCRETE.

7. ANCHOR ROD HOLES IN BASE PLATES MAY BE OVERSIZED PER TABLE 14.2 OF THE 3RD ED. OF THE LRFD MANUAL. IF OVERSIZED HOLES ARE USED, WASHER PLATES SHALL BE PROVIDED AS SPECIFIED AND FILLED/WELDED TO THE BASE PLATES.

F. STRUCTURAL LUMBER AND WOOD TRUSSES:

1. WOOD CONSTRUCTION AND DESIGN SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS-2015).

2. WOOD BLOCKING SHALL BE USED AT ALL PLYWOOD ROOF SEAMS.

3. 5/8 INCH ROOF SYSTEM SHALL BE FASTENED TO SUPPORTING MEMBER WITH 16D NAILS AT 4 INCH ON CENTER ALONG ALL EDGES AND 4 INCHES ON CENTER ALONG INTERIOR AND EXTERIOR WALLS.

4. SUPPLY ALL NECESSARY HEADERS, BLOCKING, HANGERS, FASTENERS, AND MISCELLANEOUS ACCESSORIES TO PROVIDE A COMPLETE WOOD ROOF FRAMING SYSTEM.

5. STRUCTURAL LUMBER SHALL BE NO.2 AND BETTER DOUGLAS-FIR LARCH FOR WALLS AND HEADERS.

6. DOUBLE STUDS AT ALL OPENINGS IN STUD WALL SYSTEM INCLUDING HEADS, SILLS, AND JAMBS.

7. WOOD FRAME CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF TABLE 2304.9.1 OF THE 2006 IBC.

8. ALL ROOF AND FLOOR JOISTS SHALL BE FASTENED TO GIRDERS AND HEADERS USING A METAL HANGER MEETING THE SPECIFIED LOAD REQUIREMENTS. HANGERS SHALL MEET MANUFACTURER'S RECOMMENDATIONS FOR HARDWARE CONNECTION AND REQUIRED LOAD CAPACITY.

9. METAL PLATE CONNECTED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE GUIDELINES PROVIDED IN THE LATEST EDITION OF THE WTCA HANDBOOK AND ANSI/TPI 1, THE MOST STRINGENT REQUIREMENTS GOVERNING.

10. ROOF FRAMING LAYOUTS ARE PROVIDED TO ILLUSTRATE CONDITIONS FOR CONSTRUCTION AND DO NOT NECESSARILY INDICATE SPECIFIC QUANTITIES OF MATERIALS OR COMPONENTS REQUIRED FOR CONSTRUCTION.

11. TYPICAL BEARING WALL FRAMING SHALL BE 2X4 AT 16 INCHES ON CENTER WITH HORIZONTAL BLOCKING SPACED AT NO MORE THAN 4'-0" ON CENTER VERTICALLY.

G. INSPECTIONS:

1. IN ACCORDANCE WITH 2015 IBC SECTION 1730, AS NOTED BELOW, TESTING AND INSPECTION SHALL BE BY AN INDEPENDENT TESTING/INSPECTION FIRM UNDER THE SUPERVISION OF A LICENSED ENGINEER EMPLOYED BY THAT FIRM. THE BUILDING ENGINEER SHALL BE DESIGNED THE DESIGNATED NUMBER OF RECORD FOR SPECIAL INSPECTIONS PERFORMED BY HIS FIRM OR HIS CONSULTANT'S. INSPECTORS SHALL BE ICBO CERTIFIED AND APPROVED BY THE BUILDING OFFICIAL.

2. THE DESIGNATED ENGINEER OF RECORD FOR SPECIAL INSPECTIONS SHALL BE RESPONSIBLE FOR DEFINING THE ACTIVITIES OF THE INSPECTORS, FOR CERTIFYING THE QUALIFICATIONS OF THE INSPECTORS WITH THE BUILDING OFFICIAL, AND TO ATTEND THE PRE-CONSTRUCTION MEETING TO DEFINE THEIR SCOPE OF SERVICES AND THE TESTING OR TEST PROCEDURES THAT ARE REQUIRED AS OUTLINED IN THE INTERNATIONAL BUILDING CODE.

3. SPECIAL INSPECTIONS TO BE PROVIDED IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE LOCAL DEPARTMENT OF BUILDING SAFETY AND SHALL NOT BE CONSTRUED TO RELIEVE THE OWNER OR HIS AUTHORIZED AGENT FROM REQUIRING THE PERIODIC AND CALLED INSPECTIONS REQUIRED BY SECTION 104.4 OF THE INTERNATIONAL BUILDING CODE.

4. SPECIAL INSPECTIONS REQUIRED INCLUDE, BUT MAY NOT BE LIMITED TO, THE FOLLOWING:
- a. CONCRETE PER TABLE 1705.3 AND SECTION 1905.3 WITH ALL APPLICABLE EXCEPTIONS.
- b. ANCHOR BOLTS INSTALLED IN CONCRETE PER TABLE 1705.3.
- c. REINFORCING PER TABLE 1705.2.2 AND EXCEPTION FOR CONCRETE REQUIRING SPECIAL INSPECTION.
- d. STEEL PERFECTION 1705.2 AND AISC 360.
- e. WELDING PER SECTION 1704.3.
- f. STRUCTURAL MASONRY PER SECTION 1705.4.
- g. GRADING, EXCAVATION AND FILLING: PER SECTION 1705.6, SEE GEOTECHNICAL REPORT.
- h. EXPANSION BOLT, SCREW ANCHOR AND ADHESIVE ANCHOR INSTALLATION TO VERIFY INSTALLATION IN ACCORDANCE WITH ICBO REPORT TO MEET PREVAILING OR APPROVED EQUAL.

H. OTHER:

1. UNLESS NOTED OTHERWISE, EXPANSION ANCHORS SHALL BE HILTI KWIK BOLT 3 EXPANSION ANCHORS OR APPROVED EQUAL. ADHESIVE (EPOXY) ANCHORS SHALL CONSIST OF HILTI STANDARD HAS-E RODS WITH THE HIT HY 200 ADHESIVE SYSTEM OR APPROVED EQUAL. INSTALL ANCHORS PER MANUFACTURER'S REQUIREMENTS.

2. VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK. NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES.

3. VERIFY IN FIELD ALL EXISTING CONDITIONS SHOWN ON DRAWINGS.

4. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADES. PROVIDE ALL TEMPORARY BRACING, SHORING, GUYING, OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION.

5. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE STAMP (AND SIGNATURE) OF AN ENGINEER REGISTERED IN IOWA.

TYPICAL REINFORCING NOTES:

1. REINFORCING BAR DEVELOPMENT AND LAP SPLICE LENGTH SHALL BE AS SHOWN IN THIS TABLES UNLESS OTHERWISE NOTED ON THE DRAWINGS.

2. THE LENGTHS SHOWN IN THE TABLES ARE BASED ON THE FOLLOWING CONCRETE COVERAGE AND REINFORCING O.C. SPACING:
- BEAMS OR COLUMNS:
  - COVER (EQUAL OR MORE): 1.5bd (BAR DIAMETER)
  - CENTER TO CENTER (C-C) SPACING (EQUAL OR MORE): 2.5bd.
- ALL OTHERS:
  - COVER (EQUAL OR MORE): 1.0bd
  - CENTER TO CENTER SPACING (EQUAL OR MORE): 3.0bd.

3. TOP BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE.

4. DEVELOPMENT AND SPLICE LENGTH SHOWN SHALL NOT APPLY IF ANY OF THE FOLLOWING CONDITIONS OCCUR:
- A) f'c < 4000 PSI
- B) fy > 60000PSI
- C) THE CORE OR C-C BAR SPACING IS NOT AS LISTED ABOVE
- D) THE REINFORCING STEEL IS EPOXY COATED
- E) LIGHT WEIGHT CONCRETE IS USED.

5. CENTER ON CENTER SPACING (S) IS DEFINED AS SEE DIR.

S

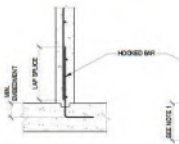
-MAIN REINF.

-LAPPED REINF.

DEVELOPMENT LENGTH NOTES:

1. WHERE DRAWINGS ARE DETAILED SHALL BE TO DETAIL2. EXTEND THE EMBEDMENT LENGTH SUCH THAT THE HOOKED BAR CONFACTS THE LAYER OF MAIN REINFORCING SHOWN.

2. EMBEDMENT LENGTHS IN CHART ARE TYPICAL EXCEPT AS NOTED IN DETAIL 01, OR AS INDICATED ON DRAWINGS.



DETAIL 1

DETAIL 2

REINFORCING DEVELOPMENT AND SPLICES
f'c = 4000 PSI

BAR SIZE	DEVELOPMENT LENGTH		SPLICE LENGTH	
	OTHER	TOP	OTHER	TOP
#3	1'-0"	1'-3"	1'-3"	2'-0"
#4	1'-3"	2'-0"	2'-0"	2'-6"
#5	2'-0"	2'-7"	2'-7"	3'-4"
#6	2'-6"	3'-1"	3'-1"	4'-0"
#7	3'-4"	4'-0"	4'-0"	5'-0"
#8	4'-0"	5'-2"	5'-2"	6'-6"
#9	4'-6"	5'-10"	5'-10"	7'-7"
#10	5'-1"	6'-7"	6'-7"	8'-6"
#11	6'-7"	7'-9"	7'-9"	9'-8"

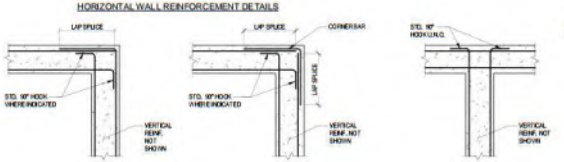
DEVELOPMENT LENGTHS HOOKED BARS (f'c = 4000 PSI)

BAR SIZE	LENGTH FOR MIN. EMBEDMENT
#3	7"
#4	9"
#5	1'-0"
#6	1'-3"
#7	1'-5"
#8	1'-7"
#9	1'-10"
#10	2'-0"
#11	2'-3"



RADIUS OF HOOKS
4 x DIA. OF BAR - #3 TO #8 BARS
5 x DIA. OF BAR - #9 TO #11 BARS
6 x DIA. OF BAR - #14 & #18 BARS

HORIZONTAL WALL REINFORCEMENT DETAILS

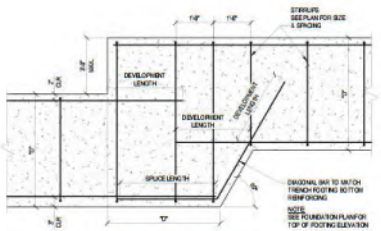


CORNERS

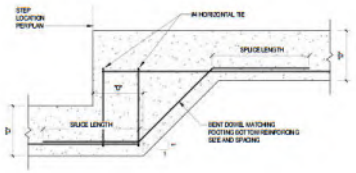
INTERSECTIONS

NOTE:
UNLESS OTHERWISE INDICATED, THE CONTRACTOR HAS THE OPTION OF REINFORCING CORNERS IN ACCORDANCE WITH OPTION #1 OR OPTION #2.

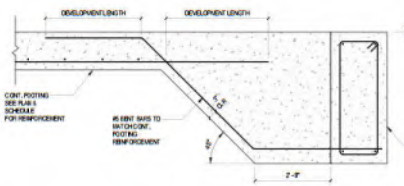
NOTE:
UNLESS OTHERWISE INDICATED, THE CONTRACTOR HAS THE OPTION OF CONSTRUCTING INTERSECTIONS WITH OR WITHOUT CONSTRUCTION JOINTS. REINFORCE PER APPLICABLE DET AIL.



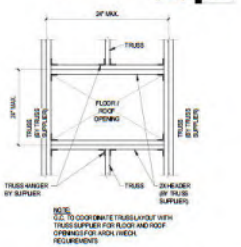
TYP. TRENCH FOOTNG STEP DETAIL 1
3/4" = 1'-0"



FOOTNG STEP DETAIL 2
3/4" = 1'-0"



INT. TO EXTERIOR FOOTING TRANSITION DETAIL 3
3/4" = 1'-0"



NOTE:
GC TO COORDINATE TRUSS LAYOUT WITH TRUSS SUPPLIER FOR FLOOR AND ROOF OPENINGS FOR ARCH./MECH. REQUIREMENTS.

OPENING IN FLOOR OR ROOF 4
3/4" = 1'-0"

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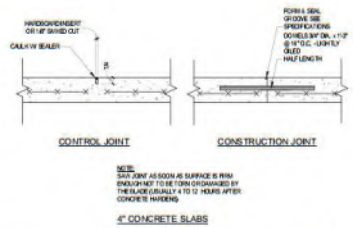
Revisions:	
1	Issued for Cover, ASI #1 — 02/22/19

Project #: 181001

Issued For Construction
February 22, 2019

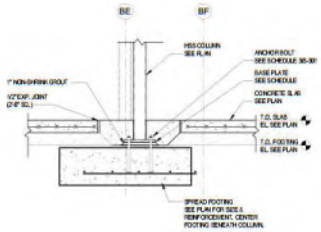
GENERAL STRUCTURAL NOTES

S-300



FLOOR CONTROL/CONSTRUCTION JOINT DETAIL 1

1 1/2" = 1'-0"



SPREAD FOTING SECTION 2

3/4" = 1'-0"

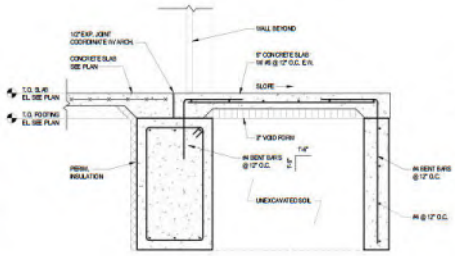


ANCHOR BOLT SCHEDULE		
D	A	B
1/2"	2"	1"
5/8"	2"	8"
3/4"	2"	8"
1"	3"	1'-0"
1 1/4"	3"	1'-6"

COLUMN SIZE	BASE PLATE SIZE (U.N.O.)	ANCHOR BOLT	LAYOUT (U.N.O.)
HSS4x4	3/4x10x8'-10"	4-3/4" DIA.	1 1/2" TYP.
HSS5x5	3/4x11x8'-11"	4-3/4" DIA.	
HSS6x6	3/4x12x1'-0"	4-3/4" DIA.	
HSS8x3	3/4x8x1'-0"	4-3/4" DIA.	

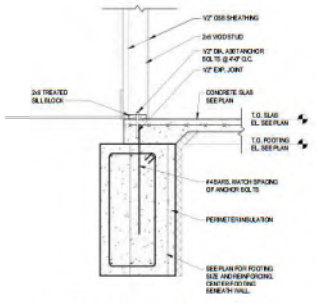
BASE PLATE & ANCHOR BOLT SCHEDULE 3

3/4" = 1'-0"



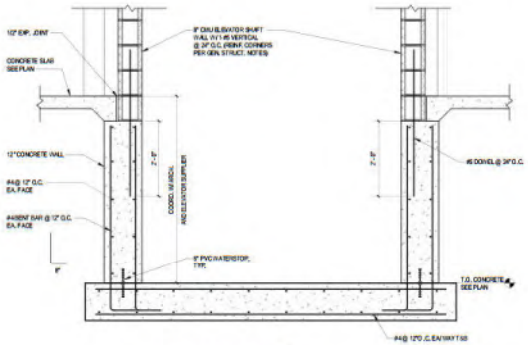
STOOP SECTION 4

3/4" = 1'-0"



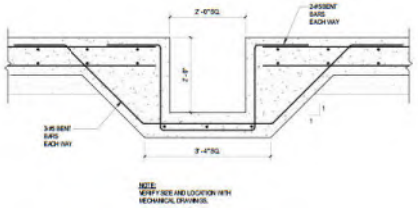
EXTERIOR FOOTING SECTION 5

3/4" = 1'-0"



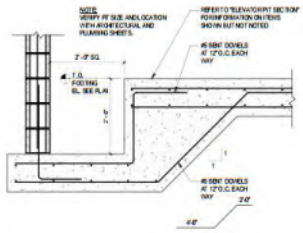
ELEVATOR SECTION 6

3/4" = 1'-0"



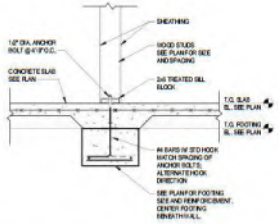
SUMP PIT DETAIL 7a

3/4" = 1'-0"



ALTERNATE SUMP PIT DETAIL 7b

3/4" = 1'-0"



FOOTING UNDER STUD WALL 8

3/4" = 1'-0"

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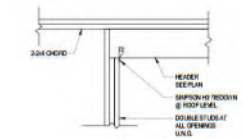
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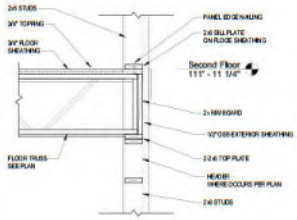
February 22, 2019

FOUNDATION SECTIONS AND DETAILS

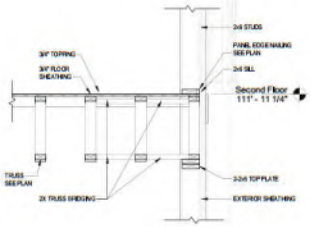
S-301



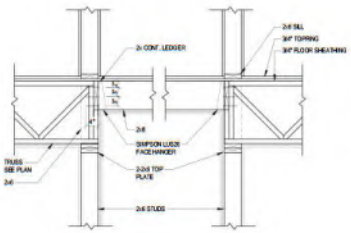
HEADER BEARING DETAIL 1
3/4" = 1'-0"



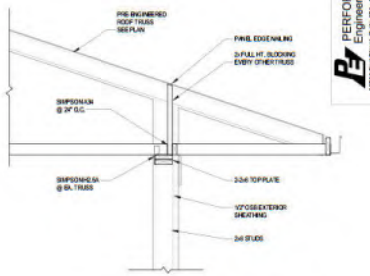
FRAMING SECTION 2
3/4" = 1'-0"



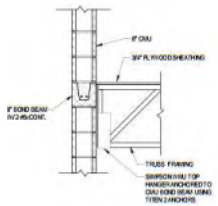
FLOOR FRAMING SECTION 3
3/4" = 1'-0"



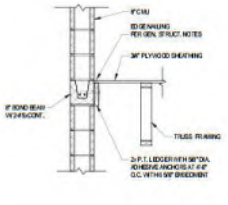
FRAMING SECTION - CORRIDOR 4
3/4" = 1'-0"



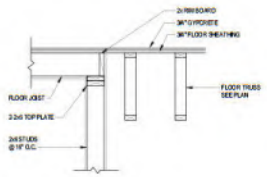
FRAMING SECTION 5
3/4" = 1'-0"



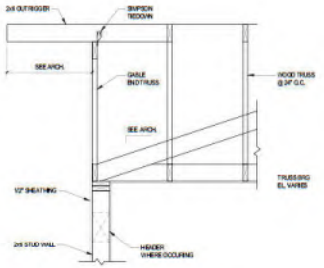
FRAMING SECTION 6
3/4" = 1'-0"



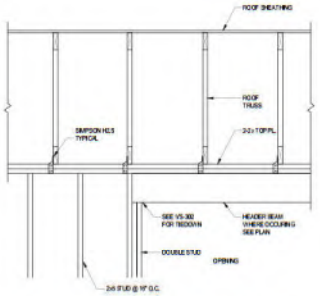
FRAMING SECTION AT CMU 7
3/4" = 1'-0"



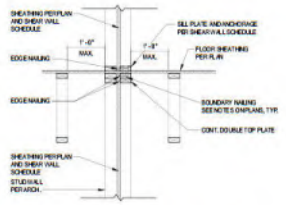
FRAMING SECTION AT CORRIDOR 8
3/4" = 1'-0"



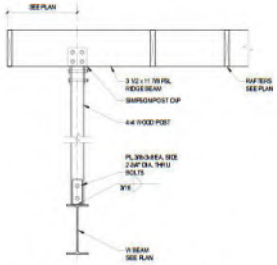
TYP. OUTRIGGER DETAIL 9
3/4" = 1'-0"



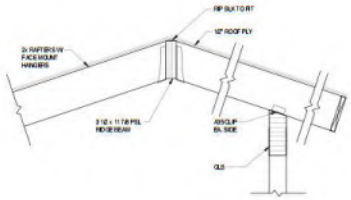
ROOF BEARING @ INTERIOR WALL 10
3/4" = 1'-0"



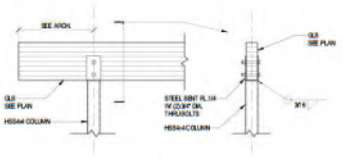
FRAMING SECTION AT PARTY / SHEAR WALL 11
3/4" = 1'-0"



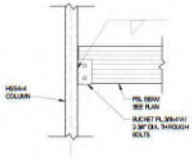
POST BEARING ON BEAM 12
3/4" = 1'-0"



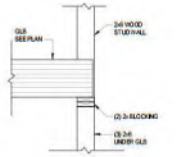
RIDGE DETAIL 13
3/4" = 1'-0"



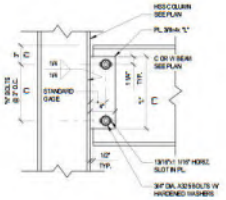
GLB / COLUMN CONNECTION 14
3/4" = 1'-0"



PSL / COLUMN CONNECTION 14A
3/4" = 1'-0"



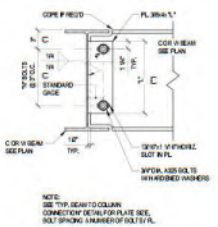
GLB / WALL CONNECTION 15
3/4" = 1'-0"



TYP. BEAM TO COLUMN CONNECTION 16
1 1/2" = 1'-0"

PLATE & BOLT DATA		
NOMINAL BEAM DEPTH	"N" =	"L" = INCHES
8	2	5 1/2
10	3	8 1/2
12	3	8 1/2
14	3	8 1/2
16	4	11 1/2
18	5	14 1/2
21	6	17 1/2
24	7	20 1/2

(*) SPACING MAY BE DECREASED TO 2 1/2" IF REQUIRED.
(**) LENGTH MAY BE DECREASED TO ACCOMMODATE BOLT SPACING.



NOTE:
SEE "TYP. BEAM TO COLUMN CONNECTION" DETAIL FOR PLATE SIZE, BOLT SPACING & NUMBER OF BOLTS REQ'D.

TYP. BEAM TO BEAM CONNECTION 17
1 1/2" = 1'-0"

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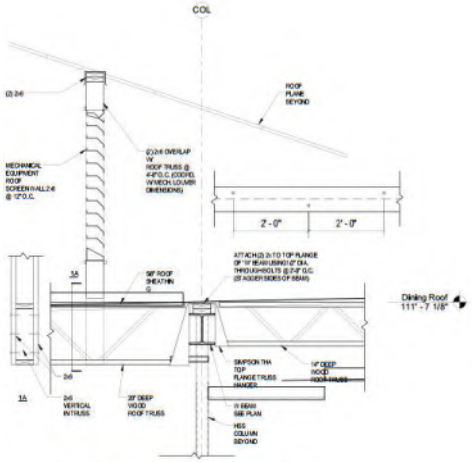
Revisions:		
1	Issued for Const. ASI #1	02/22/19

Project #: 181001

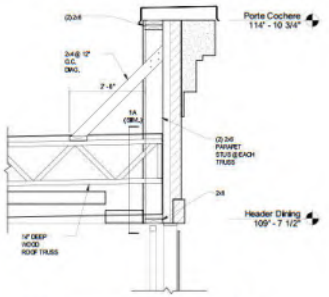
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FRAMING SECTIONS AND DETAILS

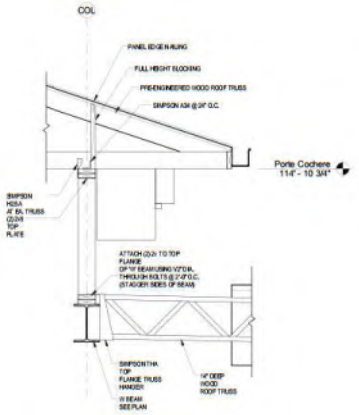
S-302



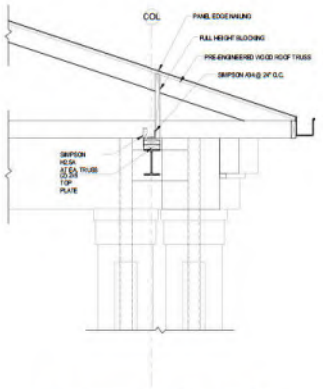
ROOF FRAMING SECTION - DINING 1



ROOF FRAMING SECTION - DINING 2



ROOF FRAMING SECTION - DINING 3



ROOF FRAMING SECTION - DINING 4

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Council Bluffs, Iowa 51501

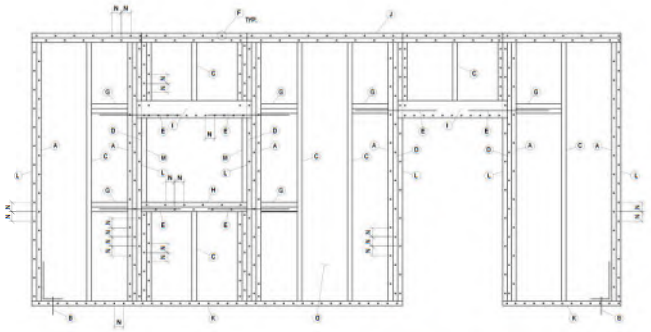
#	Revisions:
1	Issued for Const. ASI #1 02/22/19

Project #: 181001

Issued For Construction
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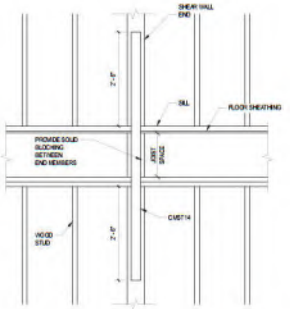
FRAMING SECTIONS AND DETAILS

S-303

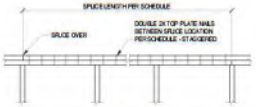


A SHEAR WALL END STUDS (KING STUDS @ OPENINGS). NAIL THIS STUDS TOGETHER WITH SHEAR WALL BOTTOM PLATE
B NAILING @ STUD WALL) EDGE NAIL WOOD STRUCTURAL PANEL SHEAR WALL TO THESE STUDS. SHEAR WALL ANCHORS OR STRAPS.
C TYPICAL STUDS (OR JACK STUDS) @ 16" O.C. MAX. SPACING. FIELD NAIL WOOD STRUCTURAL PANEL SHEAR WALLS TO STUDS. EDGE NAIL AT PANEL EDGES
D TRIMMER STUDS. CONTINUE EDGE NAILING FROM KING STUDS AND NAIL STUDS TOGETHER WITH SHEAR WALL BOTTOM PLATE NAILING.
E CS16 x 28" STRAP WITH 11-10d NAILS IN BLOCKING AND HEADER OR WINDOW PLATE.
F SHEAR EDGE NAILING.
G 2x BLOCKING (WIDTH TO MATCH STUDS).
H WINDOW PLATE (2-2x MIN., WIDTH TO MATCH STUD).
I HEADER (2-2x6 MIN.) WITH SHEAR WALL EDGE NAILING.
J DOUBLE TOP PLATE WITH SHEAR WALL EDGE NAILING.
K BOTTOM PLATE WITH SHEAR WALL EDGE NAILING AND BOLTED OR NAILED TO BELOW.
L WOOD STRUCTURAL PANEL EDGE.
M 2X BLOCK BETWEEN HEADER AND WINDOW PLATE. NAIL TO TRIMMER WITH 16d NAILS @ 6" O.C.
N SHEAR WALL EDGE NAILING SPACING.
O SHEAR WALL PANEL.

SHEAR WALL COMPONENTS 1
3/4" = 1'-0"



SHEAR WALL FLOOR TO FLOOR CONNECTION 2
3/4" = 1'-0"



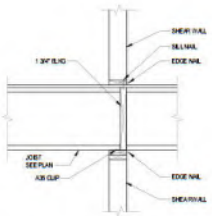
LENGTH OF WALL (BETWEEN CORNERS)	SPLICE LENGTH (MINIMUM)	NAILS ALONG SPLICE LENGTH
OVER 36'	4'-0"	16-16d
OVER 28'	2'-8"	10-16d
OVER 16'	1'-4"	6-16d
LESS THAN 16'	1'-4"	4-16d

TYPICAL TOP PLATE SPLICE 3
3/4" = 1'-0"

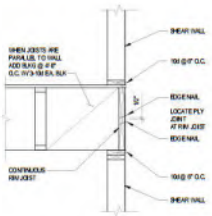
WOOD SHEAR WALL SCHEDULE

SYMBOL	ALLOWABLE SHEAR (PLF)	SHEATHING MATERIAL	MIN. STUD @ ADJOINING PANEL EDGE	FOUNDATION SILL	EDGE NAIL	INTERMEDIATE NAILS	SILL NAILS	ANCHOR BOLTS	ANGLE CLIPS	HOLDOWN	HD ANCHOR BOLT	HD POST
SW-1	310	15/32" STRUCTURAL I SHEATHING	3X	3X	10d @ 4"	10d @ 12"	2 ROWS 3-20d @ 16"	MB"DIA. @ 32"	2-A35 @ 16"	HDU5-SDS2.5	5/8" DIA.	4X
SW-2	665	15/32" STRUCTURAL I SHEATHING	3X	3X	10d @ 3"	10d @ 12"	2 ROWS 3-20d @ 16"	MB"DIA. @ 16"	2-A35 @ 16"	HDU8-SDS2.5	5/8" DIA.	4X
SW-3	870	15/32" STRUCTURAL I SHEATHING	3X	3X	10d @ 2"	10d @ 12"	3 ROWS 3-20d @ 16"	MB"DIA. @ 16"	3-A35 @ 16"	HDU11-SDS2.5	1" DIA.	6X

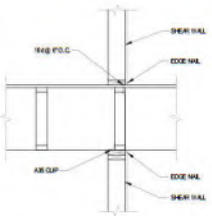
SHEAR WALL SCHEDULE 4
12" = 1'-0"



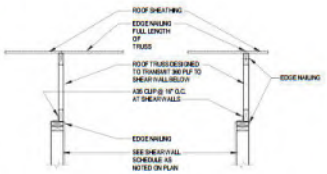
SHEAR WALL DETAIL 5
3/4" = 1'-0"



SHEAR WALL DETAIL 6
3/4" = 1'-0"



SHEAR WALL DETAIL 7
3/4" = 1'-0"



ROOF TRUSS AT SHEAR WALL 8
3/4" = 1'-0"

PERFORMANCE Engineering
15811 Colorado Ave., Suite 2045 - Castle Rock, CO 80104
(402) 345-3600 Fax: (402) 345-3601 KS: 6E-97804
300 Perry St., Suite 2045 - Castle Rock, CO 80104
(303) 773-1605
PE #: 1703318

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The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

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February 22, 2019

SECTIONS AND DETAILS

S-401

Materials Legend

CODE	MATERIAL	MANUFACTURER	ITEM#	DESCRIPTION	COLOR	NOTES
CAST-IN-PLACE CONCRETE - Division 3 (03 30 00)						
SCONC-1	Sealed Concrete	TBD by Contractor	n/a	TBD by Contractor	n/a	-
INTERIOR FINISH CANOPIES - Division 6 (06 20 13)						
FRP-1	FRDeglass Reinforced Plastic	Wattle	P-140	Fire Rated FRP	Ivory	48" x 108" x 3/32". Include all applicable accessories
INTERIOR ARCHITECTURAL WOODWORK - Division 6 (06 40 10)						
CM-1	Crown Molding	Refer to Architectural Details on Sheet A-606	-	Wood Crown Molding, 4-1/4"H, Stain Grade (Hard Maple)	STN-1	Dining
DRL-1	Chair Rail	Refer to Architectural Details on Sheet A-606	-	Wood Chair Rail, 3-1/2"H; Paint Grade	PA-1-SG	-
HRL-1	Wood Handrail	Refer to Architectural Details on Sheet A-606	-	Stain-Grade Wood (Hard Maple) Handrail, 5-1/2"H	STN-1	See drawing set for profile details.
HRL-2	Wood Handrail	Refer to Architectural Details on Sheet A-606	-	Poplar Paint-Grade Wood Handrail, 5-1/2"H	PA-1-SG	See drawing set for profile details.
PLAM-1	Plastic Laminate	Wilsonart	7993-38	Standard High Pressure Laminate	Florence Walnut	Vertical Surfaces
PLAM-2	Plastic Laminate	Wilsonart	7967K-12	Standard High Pressure Laminate	Park Elm	Vertical Surfaces
PLAM-3	Plastic Laminate	Wilsonart	7937-38	Standard High Pressure Laminate	River Cherry	Vertical Surfaces
WDB-1	Wood Base	Refer to Architectural Set	-	Stain-Grade (Hard Maple) Wood Base, 6"H	STN-1	See drawing set for profile details.
WDB-2	Wood Base	Refer to Architectural Set	-	Stain-Grade (Hard Maple) Wood Base, 6-1/4"H	STN-1	See drawing set for profile details.
WDB-3	Wood Base	Refer to Architectural Set	-	Paint-Grade Wood Base, 5-1/4"H	PA-2	See drawing set for profile details.
ARCHITECTURAL WOOD CASEWORK - Division 6 (06 41 00)						
CWC-1	Custom Wood Casework	Northern Contours	-	Shaker Series: Shaker Style Thermofoil Door/ Drawer Fronts over Custom Cabinetry	2212 Brashyn	Custom Laminate Box Wilsonart 7993-38 Florence Walnut Matte Finish with Northern Contour Doors and Drawers.
CWC-2	Custom Wood Casework	Northern Contours	-	Shaker Series: Shaker Style Thermofoil Door/ Drawer Fronts over Custom Cabinetry	0138 Parchment	Custom Laminate Box Wilsonart 1572-60 Antique White with Northern Contour Doors and Drawers.
CWC-AC-1	Custom Wood Casework	Northern Contours	-	Floating Shelves	2212 Brashyn	See Architectural set for sizes.
TILE - Division 9 (09 30 00)						
CT-1	Ceramic Tile	Daltile	10'90	Modern Dimensions Glazed Ceramic Tile, 4 x 8	Matte Arctic White	Bus Station Back-splash - Subway Install
CT-2	Ceramic Tile	Cepac Tile	KRA-SS	Krave Collection, 9/16" x 2" - Straight Joint	Basil	MC Kitchen Backsplash
CT-3	Ceramic Tile	Daltile	R011	Fashion Accents, 5/8" x 5/8"	Lake	Spas, Toilet Rooms Accent Tile Band
GR-1	Grout	Custom Building Products	541	Sanded Grout	Walnut	Use with PT-1, PT-2, PT-4 & PT-5
GR-2	Grout	Custom Building Products	165	Unsanded Grout	Delorean Gray	Use with PT-6 & CT-1
GR-3	Grout	Custom Building Products	382	Unsanded Grout	Bone	Use with PT-3, CT-2 & CT-3
MTS-1	Metal Transition Strip	Schluter	EBTK 100	RENO-TK Transition for Flooring	Brushed Stainless Steel	1/4" W Profile; Use between 3/8" PT and 1/4" Carpet; See ID 200 Drawings for Locations
MTS-2	Metal Transition Strip	Schluter	EBU 100	RENO-U Transition for Flooring	Brushed Stainless Steel	17/32" W Profile; Use between 3/8" PT and 1/8" VP; See ID 200 Drawings for Locations
MTS-3	Metal Transition Strip	Schluter Systems	ADGB80	Jolly	Brushed Chrome Anodized Aluminum	Bathroom accent tile top edge
PT-1	Porcelain Tile	Daltile	EP01	Emerson Wood, Colorbody Porcelain Tile, 6" x 48"	Butter Pecan	3/8" Thick Main Lobby, Vestibule, & Kitchen
PT-2	Porcelain Tile	Daltile	EP01	Emerson Wood, Colorbody Mosaic Paint/Cube Porcelain Tile, 3D/Cube, 11.5" x 11.5"	Butter Pecan	3/8" Thick Main Lobby, Vestibule, & Kitchen
PT-3	Porcelain Tile	Daltile	PF07	Portfolio, Colorbody Porcelain Tile, 12" x 24"	Cream	3/8" Thick Restroom/Spa Walls
PT-4	Porcelain Tile	Daltile	PF11	Portfolio, Colorbody Porcelain Tile, 12" x 24"	Noce	3/8" Thick MC Restroom/Spa Floors
PT-5	Porcelain Tile	Crossville, Inc	AV342	Altered State Porcelain Stone Tile, 12" x 24"	Steel Gaze	10.5 mm Thick IL Restroom Floors
PT-6	Porcelain Tile	Crossville, Inc	WT09	Color by Numbers Porcelain Tile, 4" x 12"	Nine Lives	1/8" Thick Café - Herringbone Install
PT-7	Porcelain Tile	Daltile	PF11	Portfolio, Colorbody Porcelain Mosaic Tile, 2" x 2"	Noce	3/8" Thick MC Restroom/Spa Floors
PTB-1	Porcelain Tile Base	Daltile	P-36CBT	Portfolio, Colorbody Porcelain Tile Cove Base, 6" x 12"	Cream	Include all applicable cove accessories (Cove Base Outcorners if needed - PC-36CBT)
QT-1	Quarry Tile	American Olean	OQ16661P	Quarry Tile Base, 6" x 6"	OQ16 Gray Flash	Grout Joint Recommendation: 3/8"
QTB-1	Quarry Tile Base	American Olean	OQ565	Quarry Tile Base, 6" x 6"	OQ16 Gray Flash	-
QT-GR-1	Quarry Tile Base	Summitville	-	5-400 Epoxy	TBD	-
ACOUSTICAL CEILING - Division 9 (09 51 13)						
ACT-1	Acoustical Ceiling	Armstrong	TBD by Contractor	2' x 4' Acoustical "Scored" Ceiling Tile, Per Approved Submittal	White	-
ACT-2	Acoustical Ceiling Grid	Armstrong	TBD by Contractor	2' x 4' Vinyl Covered Acoustical Ceiling Tile, Per Approved Submittal	White	-
RESILIENT FLOORING - Division 9 (09 65 00)						
RB-1	Resilient Base	ELW Johnsonite	CB-281 4"x120	Traditional Wall Base	281 Grizzly	Standard 4" Base/ 120' Roll Goods .080 with toe
RF-1	Rubber Flooring	Johnsonite	PS3	Mesto Configurations Rubber Flooring	Noble Knight	12" x 12" x .08" Thickness To account for 40% of installed in Wellness
RF-2	Rubber Flooring	Johnsonite	PS1	Mesto Configurations Rubber Flooring	Sorcerer's Wand	12" x 12" x .08" Thickness To account for 40% of installed in Wellness
RF-3	Rubber Flooring	Johnsonite	PS5	Mesto Configurations Rubber Flooring	Maiden Voyage	12" x 12" x .08" Thickness To account for 20% of installed in Wellness
RTS-1	Resilient Transition Strip	Johnsonite	SLT-281-A	Rubber Slim Line Flooring Transition	281 Grizzly	5/8" W Profile; Use between 1/8" Material and 1/4" CPT, See ID 200 Drawings for Locations.
RTS-2	Resilient Transition Strip	Johnsonite	SLT-281-C	Rubber Slim Line Flooring Transition	281 Grizzly	5/8" W Profile, Use between .080 SV and 1/4" CPT, See ID 200 Drawings for Locations.
RTS-3	Resilient Transition Strip	Johnsonite	CTA-281-J	Rubber Wheeled Traffic Flooring Transition	281 Grizzly	2-1/2" W Profile, Use between 1/8" CPT and SC/HC, See ID 200 Drawings for Locations.
RTS-4	Resilient Transition Strip	Johnsonite	RRS-281-C	Rubber Reducer Flooring Transition	281 Grizzly	1-1/2" W Profile; Use between 1/8" Material and SC/HC, See ID 200 Drawings for Locations.
RTS-5	Resilient Transition Strip	Johnsonite	SLT-281-B	Rubber Slim Line Flooring Transition	281 Grizzly	5/8" W Profile; Use between .080 SV and 1/8" VP, See ID 200 Drawings for Locations.
SV-1	Sheet Vinyl	Shaw Contract	10'96V	Terasu Collection Tatami Heterogeneous Sheet Vinyl	96701 Shaji tel	Chemically weld all seams 20 mil, 78" x 66', 0.080 in or 2.2 mm
SV-2	Sheet Vinyl	Armstrong	D9010	FlexStep Value Sheet Vinyl	Slatesdale Beige	Chemically weld all seams Roll Widths: 12'; Pattern Repeat: 27" x 36"
SV-3	Sheet Vinyl	Armstrong	X2111	Station Square Better: Windsor Walnut Sheet Vinyl	Cobbler Brown	Chemically weld all seams Repeat: 54" x 72", Economy Match: 6'
SV-AC-1	Sheet Vinyl	Johnsonite	-	Cove Cap	55 Silver Grey W.G	Use with SV-1
VP-1	Vinyl Plank	Milliken	TEA76	Wood Luxury Vinyl Plank, 28 mil wear layer, 7" x 48", Micro Bevel Edges	Teak	Main VP
VP-2	Vinyl Plank	Milliken	APP22	Wood Luxury Vinyl Plank, 28 mil wear layer, 9" x 48", Micro Bevel Edges	Applewood	MC VP
VP-3	Vinyl Plank	Aspecta	5308010	Aspecta Five, Piedmont Vinyl Plank, 28 mil wear layer, 7.25" x 48", Micro Bevel Edges	Exeter	Salon
CARPETING - Division 9 (09 68 00)						
CPT-1	Carpet	Tandus/Centiva	'04555	Tapis Broadloom Powerbond Carpet with Powerbond Medfloor Backing, 6' Roll, 6'W x 105.15'L Pattern Alignment, 26 oz.	59506 Raw Tourmaline	Lobby Inserts and Dining Contact Andy Marhofke Andy.Marhofke@tarkett.com (262) 888-9232
CPT-2	Carpet	Tandus/Centiva	'04557	Meridia Broadloom Powerbond Carpet with Powerbond Medfloor Backing, 6' Roll, 26 oz., Pattern Match not required	59506 Raw Tourmaline	Community Room Contact Andy Marhofke Andy.Marhofke@tarkett.com (262) 888-9232
CPT-3	Carpet	Tandus/Centiva	'04559	Boheme Broadloom Powerbond Carpet with Powerbond Medfloor Backing, 6' Roll, 26 oz., Pattern Match not required	59506 Raw Tourmaline	Corridor Contact Andy Marhofke Andy.Marhofke@tarkett.com (262) 888-9232
CPT-4	Carpet	Tandus/Centiva	'04558	Castille Broadloom Powerbond Carpet with Powerbond Medfloor Backing, 6' Roll, 26 oz., Pattern Match not required	59506 Raw Tourmaline	Corridor Inserts Contact Andy Marhofke Andy.Marhofke@tarkett.com (262) 888-9232
CPT-5	Carpet	Tandus/Centiva	'04560	Regalia Broadloom Powerbond Carpet with Powerbond Medfloor Backing, 6' Roll, 22 oz., Pattern Match not required	59506 Raw Tourmaline	Office Carpet Contact Andy Marhofke Andy.Marhofke@tarkett.com (262) 888-9232
CPT-7	Carpet	Tandus/Centiva	'04559	Boheme Broadloom Powerbond Carpet with Powerbond Medfloor Backing, 6' Roll, 26 oz., Pattern Match not required	59501 Gilded Linen	MC Corridors Contact Andy Marhofke Andy.Marhofke@tarkett.com (262) 888-9232
CPT-8	Carpet	Tandus/Centiva	'04557	Meridia Broadloom Powerbond Carpet with Powerbond Medfloor Backing, 6' Roll, 26 oz., Pattern Match not required	59501 Gilded Linen	MC Chapel & Inset Contact Andy Marhofke Andy.Marhofke@tarkett.com (262) 888-9232
CPT-9	Carpet	J&J Invision	6272	Problem Solved Broadloom Carpet with Titanillac Plus, 12' Broadloom; No Repeat, 20 Oz.	'203 Fix-A-Flat	IL & MC Units Contact Andy Marhofke Andy.Marhofke@tarkett.com (262) 888-9232
TILE CARPETING - Division 9 (09 68 13)						
TCPT-1	Carpet	Shaw	51034	Rain Carpet Tile Walk-Off Mat	34567 Sterling	Path Tile, All Access Tile Carpet w/ Ecoworx backing, 24" x 24", 28 oz/sq yd, 1/12 gauge
WALL COVERINGS - Division 9 (09 72 00)						
WC-1	Wallcovering	MDC	TFC1325	Kusa, Thom Filicia Collection, Type II, 54"W, Non-reversible straight across pattern match, 16" Repeat, 20 oz, Osnaburg Backing	Indigo	Salon
INTERIOR PAINTING & COATING - Division 9 (09 90 00)						
PA-1-SHEEN	Paint	Sherwin Williams	SW6147	ProMar 200 Zero VOC	Panda White	Trim
PA-2-SHEEN	Paint	Sherwin Williams	SW7036	ProMar 200 Zero VOC	Accessible Beige	Main Paint
PA-3-SHEEN	Paint	Sherwin Williams	SW6215	ProMar 200 Zero VOC	Rocky River	Break Room Accent
PA-4-SHEEN	Paint	Sherwin Williams	SW7009	ProMar 200 Zero VOC	Eastlake Gold	Community Room Accent
PA-5-SHEEN	Paint	Sherwin Williams	SW6007	ProMar 200 Zero VOC	Secretive Amber	Wellness Room Accent
PA-6-SHEEN	Paint	Sherwin Williams	SW6235	ProMar 200 Zero VOC	Foggy Day	MC Kitchen/Dining Room Accent
PA-7-SHEEN	Paint	Sherwin Williams	SW2840	ProMar 200 Zero VOC	Hammered Silver	Salon Below Chair Rail
PA-8-SHEEN	Paint	Sherwin Williams	SW9624	ProMar 200 Zero VOC	Vintage Gold	Corridor Door Drops
STN-1-SHEEN	Stain / Varnish	Contractor to Select	See Spec	Minwax Water Based Wood Stain	PLAM-1	Finish with Water Based Clear Polyurethane Varnish, Matte Finish, Contractor to Supply Stain Sample to Interior Designer for Approval
SIGNAGE - Division 10 (10 14 00)						
SIGN-1	Interior Signage	Intersign	See Interior Signage Package	Revia Bo Collection	Backplate: Gingko Thatch GTH-N527, Sign Color: Tan 20, Text Color: Marshmallow Cream 74	See Full Signage Specs for More Detailed Info. Contractor to Install
WALL AND DOOR PROTECTION - Division 10 (10 26 00)						
CG-1	Corner Guards	Korogard	G100, DSH42138	G100 Series Surface Mount Corner Guard with Aluminum Retainer	Pumice	90 Degree Profile with 2" Wings, 4'-0" Lengths Pre-Drilled and Supplied with Fasteners
CG-2	Corner Guards	Acrovyn	SMWS-90	Renaissance Corner Guards, Hardwood	Stained to match STN-1	Stainless Steel Caps are Standard
CG-AC-1	Corner Guards	Korogard	G101, DSH42139	Standard End Cap for G100 Series Corner Guard	Pumice	Use with CG-1
TOILET, BATH & LAUNDRY ACCESSORIES - Division 10 (10 28 00)						
MR-1	Mirror	Wendover	MCD778 - 2'	Framed Beveled Mirror	MCD778 - 2"	Overall Dimension 36"H, Contractor to Verify Width (Public Toilet Rooms)
MR-2	Mirror	Wendover		Beveled Mirror	MCD778 - 2"	Overall Dimension 20"W x 30"H, Contractor to Verify Size (Resident Rooms)
MR-3	Mirror	Wendover	MCD776 - 2'	Framed Flat Mirror	MCD776 - 2"	Overall Dimension 42"W x 30"H (Salon)
TRR-1	Toilet Room Accessory	American Standard or Equal	833L190.002	TR Series Towel Ring	Polished Chrome 002	Resident Bathrooms
STORAGE (SPECIALTIES) - Division 10 (10 50 00)						
LKR-1	Lockers	-	-	Provided in Direct Supply FFSE Package	-	-
CASEWORK - Division 12 (12 36 00)						
MC-1	Manufactured Casework	Collins Manufacturing Co.	DS#21692	QSE Extra 30"H w/ Station with Tower	Wilsonart 7937-38 River Cherry Salon	90"W x 16"D x 78"H
MC-2	Manufactured Casework	Artistcraft	-	Avalon Stylic Maple	Umber	Contractor Responsible for Fabricating or purchasing locally
MC-HDWR-1	Casework Hardware/Pulls	American, or Equal	BP5299610	Allison 3024" CTC Pull	Satin Nickel	Use with Cabinetry in all common areas, Unless Specified Otherwise
MC-HDWR-2	Casework Hardware/Pulls	American, or Equal	TBD by Contractor	ADA Compliant Wire Pull	Satin Nickel	BOH
MC-HDWR-3	Casework Hardware/Pulls	American, or Equal	BP6910X610	Allison™ Value - 3in(76mm) CTC Pull	Satin Nickel	Use in Resident Units
COUNTERTOPS - Division 12 (12 36 00)						
PLAM-4	Plastic Laminate	Formica	7494-58	Standard High Pressure Laminate	Carrara Evision	1-1/4" Sheet for Countertops
QZ-1	Quartz	Cambria	-	Waterstone Collection	Berwyn	3cm Sheet for Countertops with Straight Edge Profile
QZ-2	Quartz	Cambria	-	Waterstone Collection	Barlington	3cm Sheet for Countertops with Straight Edge Profile
SSM-1	Solid Surface Material	LG Hausys	M323	Hi-Macs Acrylic Solid Surface, 1/2" Sheet for Countertops, with 3/4" Built Up, Simple Eased Edge	Colosseum	Employee Break Room & BOH
SSM-2	Solid Surface Material	Corian	-	Corian Acrylic Solid Surface, 1/2" Sheet for Countertops, with 3/4" Built Up, Simple Eased Edge	Smoke Drift Prima	Community Room , MC Chapel
SSM-3	Solid Surface Material	Corian	-	Corian Acrylic Solid Surface, 1/2" Sheet for Countertops, with 3/4" Built Up, Simple Eased Edge	Stardust	Spas, Toilet Rooms
SSM-4	Solid Surface Material	LG Hausys	029	Hi-Macs Acrylic Solid Surface	029 Ivory White	Integral Bowl
SSM-5	Solid Surface Material	LG Hausys	G108	Hi-Macs Acrylic Solid Surface	G108 Lunar Sand	IL Kitchenettes and Bathrooms
PLUMBING FIXTURES - Division 22 (22 40 00)						
SK-1	Sink	Collins Manufacturing Co.	DS#09179	Standard Shampoo Bowl with Fixtures and Vacuum Breaker	Black	19"W x 19.5"D x 20"L, Shampoo bowl for styling station in salon
SK-AC-1	Sink	Collins Manufacturing Co.	1701	Universal Hair Trap	-	Use with SK-1

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Milwaukee WI 53223
844.4APTURA

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Council Bluffs, Iowa 51501

	Revisions:
4	Issued for Const. / ASI# 03/22/19

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February 22, 2019

MATERIALS LEGEND

ID-001

Room Finish Schedule

ROOM #	Name	FLOOR	BASE	DOOR/ FRAME	WALLS North	East	South	West	CRU HRL	WALL PROT	WALL TYP	CASEWORK Top	Front	CEILING Matl	Ht	LIGHTING	MISC. (See Note)	NOTES
019	Vestibule	TOP-5.1	PT-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	MD-420	-	-	-	VIF	Refer To Elec. Dwgs.	MTS-3	24
020	Janitor	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA2-SG	PA-2-SG	PA-2-SG	PA2-SG	-	FRP-1	MD-420	-	-	PA-1-FL	VIF	Refer to Electrical/ Lighting Plans	-	6
021	Bath Entry	PT-6	PTB-1	Refer To Door and Frame Schedule	PA2-SG	PA-2-SG	PA-2-SG	PA2-SG	-	-	MD-420	SSM-3	PLAM-3	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-1	12
022	Whirlpool	PT-2	PTB-1	Refer To Door and Frame Schedule	PA2-SG/ PT-3/CT-3/ PT-3	PA-2-SG/ PT-3/ CT-3/PT-3	PA-2-SG/ PT-3/CT-3/PT-3	PA2-SG/ PT-3/CT-3/ PT-3	-	-	MD-420	SSM-3	PLAM-3	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-1, MTS-3, PT-7	6, 12, 21, 29
023	Storage	PT-4	PTB-1	Refer To Door and Frame Schedule	PA2-SG	PA-2-SG	PA-2-SG	PA2-SG	-	-	MD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
024	Toilet	PT-4	PTB-1	Refer To Door and Frame Schedule	PA2-SG/ PT-3/CT-3/ PT-3	PA-2-SG/ PT-3/ CT-3/PT-3	PA-2-SG/ PT-3/CT-3/ PT-3	PA2-SG/ PT-3/CT-3/ PT-3	-	-	MD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	MR-1, MTS-3	4, 12, 21
025	Hall	CPT-7	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL2	CG-1	MD-420	-	-	PA-1-FL, ACT-1	VIF	Refer To Elec. Dwgs.	-	1, 16, 20
026	Hall	CPT-7	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL2	CG-1	MD-420	-	-	PA-1-FL, ACT-1	VIF	Refer To Elec. Dwgs.	-	1, 16, 20
027	Hall	CPT-7	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL2	CG-1	MD-420	-	-	PA-1-FL, ACT-1	VIF	Refer To Elec. Dwgs.	-	1, 16, 20
028	Hall	CPT-7	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL2	CG-1	MD-420	-	-	PA-1-FL, ACT-1	VIF	Refer To Elec. Dwgs.	-	1, 16, 20
030	Dining	VP-2	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	See ID401C	-	-	MD-420	QZ-2	CWC-2	PA-1-FL, ACT-1	VIF	Refer To Elec. Dwgs.	PA-6-SA, MD-HDWR-1	1, 2, 12, 16
031	Library	VP-2 / CPT-4	WDB-3	See ID401C	PA-2-SA	PA-2-SA	PA-2-SA	-	-	-	MD-420	-	-	PA-1-FL, ACT-1	VIF	Refer To Elec. Dwgs.	PA-6-SA	1, 2, 16
032	Hall	CPT-7	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA2-SA	HRL2	CG-1	MD-420	-	-	PA-1-FL, ACT-1	VIF	Refer To Elec. Dwgs.	-	1, 16, 20
033	Chapel	CPT-6	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA2-SA	-	-	MD-420	SSM-2	PLAM-1	PA-1-FL, ACT-1	VIF	Refer To Elec. Dwgs.	MC-HDWR-1	12
034	Toilet	PT-4	PTB-1	Refer To Door and Frame Schedule	PA-2-SG/ PT-3/CT-3/ PT-3	PA-2-SG/ PT-3/ CT-3/PT-3	PA-2-SG/ PT-3/CT-3/ PT-3	PA2-SG/ PT-3/CT-3/ PT-3	-	-	MD-420	SSM-3	PLAM-3	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-1, SS1M-4, MR-1, MTS-3	4, 12, 21
035	Kitchen	VP-2	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	MD-420	QZ-2	CWC-2	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-1, CT-2	1, 12, 14, 25
036	Toilet	PT-4	PTB-1	Refer To Door and Frame Schedule	PA2-SG/ PT-3/CT-3/ PT-3	PA-2-SG/ PT-3/ CT-3/PT-3	PA-2-SG/ PT-3/CT-3/ PT-3	PA2-SG/ PT-3/CT-3/ PT-3	-	-	MD-420	SSM-3	PLAM-3	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-1, SS1M-4, MR-1, MTS-3	4, 12, 21
037	Hall	CPT-7	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL2	CG-1	MD-420	-	-	PA-1-FL, ACT-1	VIF	Refer To Elec. Dwgs.	-	1, 16, 20
038	Hall	CPT-7	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL2	CG-1	MD-420	-	-	PA-1-FL, ACT-1	VIF	Refer To Elec. Dwgs.	-	1, 16, 20
039	Hall	CPT-7	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL2	CG-1	WD-420	-	-	PA-1-FL, ACT-1	VIF	Refer To Elec. Dwgs.	-	1, 16, 20
040	Laundry	SV-1	SV-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA2-SA	-	-	WD-420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	SV-AC-1	8, 12
041	Office	CPT-6	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA2-SA	-	-	WD-420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	-	-
042	Office	CPT-6	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA2-SA	-	-	WD-420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	-	-
043	Storage	SV-1	SV-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA2-SA	-	-	WD-420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	SV-AC-1	8
101	MEP	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
103	Stairs	Note: 17	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA2-SA	HRL1	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	17
113	Corridor	CPT-4 / CPT-6 / CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL1	-	WD-420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
111	MEP	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
115	Corridor	CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL1	-	WD-420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
117	Corridor	CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL1	-	WD-420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
126	Office	CPT-6	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	-	-
127	Reception	PT-1	WDB-1	Refer To Door and Frame Schedule	See ID401A	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	QZ-1	STN-1	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-1, PA-4-SA	2, 12
128	Conference Room	CPT-6	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	See ID401A	See ID401A	PA-2-SA	-	-	WD-420	SSM-2	PLAM-2	ACT-1	VIF	Refer To Elec. Dwgs.	MC-HDWR-1, PA-7-SA	2, 12
129	Lobby	PT-1 / PT-2 / CPT-1	WDB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	STN-1, CG-2	1, 27, 28
130	Vestibule	TOP T-1 / PT-1	PT-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	MTS-3	1, 24
131	Mail Room	PT-1	WDB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	STN-1	1, 15
132	Cafe	PT-1	WDB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	QZ-1	CWC-1	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-1, PT-6, CWC-AC-1,	1, 12, 14, 18
133	Men's Restroom	PT-5	PTB-1	Refer To Door and Frame Schedule	PA-2-SG/ PT-3/ CT-3/PT-3	PA-2-SG/ PT-3/ CT-3/PT-3	PA-2-SG/ PT-3/CT-3/ PT-3	PA2-SG/ PT-3/CT-3/ PT-3	-	-	WD-420	SSM-3	PLAM-3	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-1, SS1M-4, MR-1, MTS-3	4, 12, 21
134	Janitor	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA2-SG	PA-2-SG	PA-2-SG	PA2-SG	-	FRP-1	WD-420	-	-	PA-1-FL	VIF	Refer to Electrical/ Lighting Plans	-	6
135	Women's Restroom	PT-5	PTB-1	Refer To Door and Frame Schedule	PA-2-SG/ PT-3/CT-3/ PT-3	PA-2-SG/ PT-3/ CT-3/PT-3	PA-2-SG/ PT-3/CT-3/ PT-3	PA2-SG/ PT-3/CT-3/ PT-3	-	-	WD-420	SSM-3	PLAM-3	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-1, SS1M-4, MR-1, MTS-3	4, 12, 21
136	Director	CPT-6	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA2-SA	-	-	WD-420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	-	-

ROOM #	Name	FLOOR	BASE	DOOR/ FRAME	WALLS North	East	South	West	CRU HRL	WALL PROT	WALL TYP	CASEWORK Top	Front	CEILING Matl	Ht	LIGHTING	MISC. (See Note)	NOTES
137	Corridor	PT-1	WDB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
138	Medication Room	VP-2	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	SSM-1	PLAM-1	ACT-1	VIF	Refer To Elec. Dwgs.	MC-HDWR-1	12
139	Sitting	PT-1, CPT-1	WDB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	1
140	Store	PT-1	WDB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	-	-
141	Corridor	CPT-4 / CPT-6 / CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
142	MEP	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
147	Electrical	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
148	Corridor	CPT-4 / CPT-6 / CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
149	MEP	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
150	Dining	CPT-1	WDB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	CH-1, CG-2	10, 26, 27
151	Bus Station	PT-1	WDB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	QZ-1	CWC-1	ACT-1	VIF	Refer to Electrical/ Lighting Plans	MC-HDWR-1, CT-1	1, 12, 14, 22
152	Kitchen	QT-1	QTB-1	Refer To Door and Frame Schedule	FRP-1	FRP-1	FRP-1	FRP-1	-	FRP-1	WD420	-	-	ACT-2	VIF	Refer to Electrical/ Lighting Plans	-	7
153A	Office	QT-1	QTB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD420	-	-	PA-1-FL	VIF	Refer to Electrical/ Lighting Plans	-	-
153B	Dry Storage	QT-1	QTB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	ACT-1	VIF	Refer to Electrical/ Lighting Plans	-	-
153B	Janitor	QT-1	QTB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	FRP-1	-	WD-420	-	-	ACT-1	VIF	Refer to Electrical/ Lighting Plans	-	6
153	Receiving	QT-1	QTB-1	Refer To Door and Frame Schedule	FRP-1	FRP-1	FRP-1	FRP-1	-	FRP-1	2RD-120	-	-	ACT-1	VIF	Refer to Electrical/ Lighting Plans	-	-
154	Corridor	CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
156	Break Room	VP-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	See ID401B	PA-2-SA	PA-2-SA	-	-	WD-420	SSM-1	PLAM-2	ACT-1	VIF	Refer to Electrical/ Lighting Plans	MC-HDWR-2, PA-3-SA	2, 3
157	Laundry	SV-1	SV-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	SSM-1	PLAM-1	ACT-1	VIF	Refer To Elec. Dwgs.	MC-HDWR-2, SV-AC-1	8, 12
158	MEP	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
159	Beauty/Barber Shop	VP-3	WDB-2	Refer To Door and Frame Schedule	WC-1 / PA-7-SA	WC-1 / PA-7-SA	WC-1 / PA-7-SA	WC-1 / PA-7-SA	CRL-1	-	4/RD420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	MC-1, SK-1, SK-AC-1, MR-3	1
161	Sitting	CPT-4 / CPT-6 / CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	-	1, 19
163	Vestibule	CPT-7	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
164	Vestibule	TOP T-1, PT-1	PT-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	MTS-3	1, 24
167	Stairs	Note: 17	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	17
168	Elevator	PT-1	Note: 5	Refer To Door and Frame Schedule	Note: 5	Note: 5	Note: 5	Note: 5	Note: 5	-	-	-	-	Note: 5	VIF	Refer To Elec. Dwgs.	-	5
168A	Electrical	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
169	Electrical	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
170	Stairs	Note: 17	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	17
201	MEP	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
211	MEP	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
213	Corridor	CPT-4 / CPT-6 / CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
215	Corridor	CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
218	Corridor	CPT-4 / CPT-6 / CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
227	Maintenance	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1/RD420	SSM-1	PLAM-1	PA-2-RL	VIF	Refer To Elec. Dwgs.	MC-HDWR-2	3, 12
233	MEP	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
234	Corridor	CPT-4 / CPT-6 / CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
235	Community	CPT-3, VP-1, CPT-2	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	See ID402A	-	-	WD-420	SSM-2	PLAM-2	ACT-1	VIF	Refer To Elec. Dwgs.	MC-HDWR-1, PA-4-SA	1, 2, 19 2, 12
236	Corridor	CPT-4 / CPT-6 / CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
237	Corridor	CPT-4 / CPT-6 / CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
239	Electrical	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	WD-420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
240	Corridor	CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2RD-120	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19

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ROOM #	Name	FLOOR	BASE	DOOR/ FRAME	WALLS North	East	South	West	CRL/ HRL	WALL PROT	WALL TYP	CASEWORK Top	Front	CEILING Matl	Ht	LIGHTING	MISC. (See Note)	NOTES
241	Toilet	PT-5	PTB-1	Refer To Door and Frame Schedule	PA-2-SA/ PT-3/ CT-3/ PT-3	PA-2-SA/ PT-3/ CT-3/ PT-3	PA-2-SA/ PT-3/ CT-3/ PT-3	PA-2-SA/ PT-3/ CT-3/ PT-3	-	-	3MD420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	MR-1, MTS-3	1, 12, 27
242	MEP	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
243	Wellness	RF-1 / RF-2 / RF-3	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	See ID4028	PA-2-SA	-	-	1MD420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-5-SA	2
246	MEP	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
248	Corridor	CPT-4 / CPT-5 / CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2MD420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
252	Storage	SV-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	-	-
260	Stairs	Note: 17	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2MD420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	17
265	Stairs	Note: 17	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2MD420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	17
267	Stairs	Note: 17	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2MD420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	17
268	Elevator	PT-1	Note, 5	Refer To Door and Frame Schedule	Note, 5	Note, 5	Note, 5	Note, 5	Note, 5	-	-	-	-	Note, 5	VIF	Refer To Elec. Dwgs.	5	5
269	Electrical	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
308	Corridor	CPT-4 / CPT-5 / CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2MD420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
309	MEP	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
311	MEP	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
316	Corridor	CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2MD420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
318	Corridor	CPT-3	WDB-2	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2MD420	-	-	ACT-1	VIF	Refer To Elec. Dwgs.	PA-8-SA	1, 2, 19
365	Stairs	Note: 17	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2MD420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	17
367	Stairs	Note: 17	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	HRL-1	-	2MD420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	17
368	Elevator	PT-1	Note, 5	Refer To Door and Frame Schedule	Note, 5	Note, 5	Note, 5	Note, 5	Note, 5	-	-	-	-	Note, 5	VIF	Refer To Elec. Dwgs.	5	5
369	Electrical	SCONC-1	RB-1	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD420	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-

Typical Resident Room Finish Schedule

ROOM	FLOOR	BASE	DOOR/ FRAME	WALLS 1	2	3	4	CRL/ HRL	WALL PROT	WALL TYP	CASEWORK Top	Front	CEILING Matl	Ht	LIGHTING	MISC. (See Note)	NOTES
Typical Resident Room IL - 1 Bed	SV-3 / CPT-6	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD400	SSM-5	MC-2	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-3	1, 10, 12
Typical Resident Room IL - 2 Bed/1 Bath	SV-3 / CPT-6	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD400	SSM-5	MC-2	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-3	1, 10, 12
Typical Resident Room IL - 2 Bed/2 Bath	SV-3 / CPT-6	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD400	SSM-5	MC-2	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-3	1, 10, 12
Typical Resident Room IL - Studio	SV-3 / CPT-6	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD400	SSM-5	MC-2	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-3	1, 10, 12
Typical Resident Room MC-1	SV-3	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD400	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
Typical Resident Room MC-2	SV-3	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD400	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
Typical Resident Room MC-3	SV-3	WDB-3	Refer To Door and Frame Schedule	PA-2-SA	PA-2-SA	PA-2-SA	PA-2-SA	-	-	1MD400	-	-	PA-1-FL	VIF	Refer To Elec. Dwgs.	-	-
Typical Resident Toilet Room IL - 1 Bed	SV-2	WDB-3	Refer To Door and Frame Schedule	PA-2-SG	PA-2-SG	PA-2-SG	PA-2-SG	-	-	1MD400	SSM-5	MC-2	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-3, MR-2, TRA-1	11, 12
Typical Resident Toilet Room IL - 2 Bed/1 Bath	SV-2	WDB-3	Refer To Door and Frame Schedule	PA-2-SG	PA-2-SG	PA-2-SG	PA-2-SG	-	-	1MD400	SSM-5	MC-2	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-3, MR-2, TRA-1	11, 12
Typical Resident Toilet Room IL - 2 Bed/2 Bath	SV-2	WDB-3	Refer To Door and Frame Schedule	PA-2-SG	PA-2-SG	PA-2-SG	PA-2-SG	-	-	1MD400	SSM-5	MC-2	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-3, MR-2, TRA-1	11, 12
Typical Resident Toilet Room IL - Studio	SV-2	WDB-3	Refer To Door and Frame Schedule	PA-2-SG	PA-2-SG	PA-2-SG	PA-2-SG	-	-	1MD400	SSM-5	MC-2	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-3, MR-2, TRA-1	11, 12
Typical Resident Toilet Room MC-1	SV-2	WDB-3	Refer To Door and Frame Schedule	PA-2-SG	PA-2-SG	PA-2-SG	PA-2-SG	-	-	1MD400	PLAM-4	MC-2	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-3, MR-2, TRA-1	11, 12
Typical Resident Toilet Room MC-2	SV-2	WDB-3	Refer To Door and Frame Schedule	PA-2-SG	PA-2-SG	PA-2-SG	PA-2-SG	-	-	1MD400	PLAM-4	MC-2	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-3, MR-2, TRA-1	11, 12
Typical Resident Toilet Room MC-3	SV-2	WDB-3	Refer To Door and Frame Schedule	PA-2-SG	PA-2-SG	PA-2-SG	PA-2-SG	-	-	1MD400	PLAM-4	MC-2	PA-1-FL	VIF	Refer To Elec. Dwgs.	MC-HDWR-3, MR-2, TRA-1	11, 12

NOTES

1 Refer to ID200 sheets for floor pattern plans.
2 Refer to ID400 sheets for accent wall locations.
3 Do not install rubber base over cabinetry toe kicks; use standard toe kicks from the cabinetry manufacturer or millworker.
4 Countertops and back and side splash to be SSM-3. SSM-4 to be used for integral bowl.
5 Per manufacture specifications. Submit manufacture's finish options to interior designer for selection.
6 Use FRP-1 to 48" AFF on walls around mop sink if applicable.
7 Do not use FRP-1 on any walls that will have kitchen equipment on them that generate high heat levels and require a hood. Stainless steel wall protection should be ordered with kitchen equipment for these areas.
8 Cove sheet vinyl up wall 6".
9 If prefabricated shower stall does not come with a floor use PT-7 as floor.
10 Contractor to supply appliances for Kitchenettes. Required appliances vary per room typical, refer to architectural drawings. Appliance finishes to be stainless steel.
11 Contractor to supply beveled mirrors for resident toilet rooms. Refer to drawings for sizes.
12 Refer to Architectural Drawing Sheets for casework elevations.
13 Crown molding (CM-1) to be stained (STN-1).
14 Refer to Food Service Sheets for casework/equipment elevations.
15 Refer to Architectural Drawings for mailbox elevations and sections. Wood panels on base of mailboxes to be stained (STN-1). Mailbox finish to be Bronze.
16 Place corner guards (CG-1) on all outside corners in Memory Care Unit corridors.
17 Stairwells to be carpeted with off goods.
18 In Café, PT-6 to be installed as backsplash in horizontal herringbone pattern.
19 In IL, for small cabinet outside each apartment entry, stain cabinet STN-1. Countertop to be SSM-2.
20 In MC, for small cabinet outside each apartment entry, paint cabinet PA-1-SG. Countertop to be SSM-2.
21 Use MTS-3 to cap off top of exposed tile.
22 Install CT-1 in subway pattern above back built-in.
23 See materials legend and ID202B for floor patterning details.
24 PT-1 to be used as wall base in vestibules at 6"H. Cap with MTS-3.
25 CT-2 to be installed in straight joint pattern on back wall of built ins.
26 Ceiling beams to be STN-1.
27 CG-2 to be placed on corners of wood columns refer to sheets A312 and A605 for more details. (dining and lobby).
28 See page A-314 in Architect Set for fireplace elevation. Fireplace mantle to match STN-1. Remaining fireplace and hearth to receive exterior stone.
29 Shower to receive PT-3 on all walls. See 3/A-604 for install details.

GENERAL NOTES

A Room Finish Schedule only includes rooms in contract. See reference plan for rooms not in contract.
B Where new materials are indicated, remove existing and patch/prep as necessary to receive new materials.
C Test and prepare all sub-surface areas per manufacturer's recommendations. Use manufacturer's recommended testing procedure. These sub-surfaces include but are not limited to: floor slabs, wall and ceiling surfaces, etc. Record test results and supply to Aptura for reference.
D Contractor to verify conditions are appropriate for all specified adhesives, seam sealer and seam cleaners.
E Prior to beginning work, contractor to perform walk thru to survey all existing materials and conditions.
F Contractor to verify conditions for all flooring transitions in field and report discrepancies to designer.
G See drawing set for wall typical elevations.
H Contact Aptura with all material quantities.
I Where two finishes are indicated for wall surfaces, the first is the upper and the second is the lower. If multiple materials are listed, see Wall Typ. for placement.
J Verify all ceiling heights in field.
K Floor outlet cover to be in a bronze finish.
L Stained doors and casing should match STN-1. Painted doors and casing should match PA-1.
M Refer to reflected ceiling plans for exact crown molding locations.

The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

Revisions:		
4	Issued For Const. / ASI #1	03/22/19

Project #: 161001

Issued For Construction
February 22, 2019

ROOM FINISH SCHEDULE
ID-003

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1 FLOORING PLAN FIRST FLOOR - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS

The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

	Revisions	
4	Issued For Const. / ASI #1	03/22/19

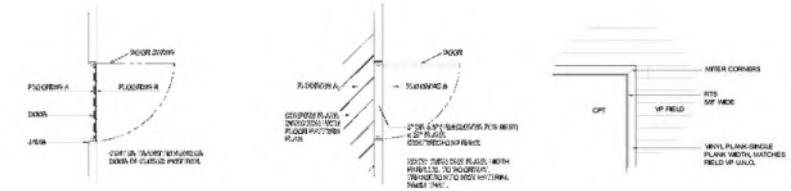
Project #: 161001

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FLOORING PLAN
ID-201A



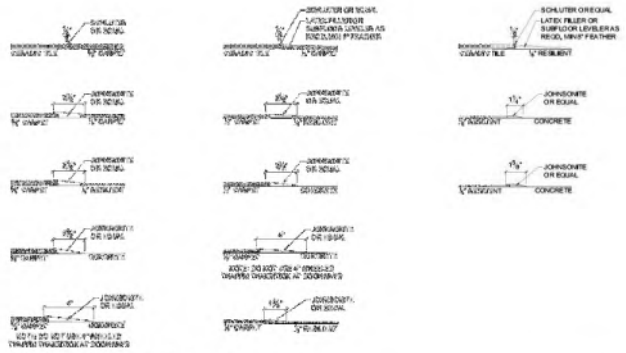
FLOORING PLAN FIRST FLOOR - AREA B
SCALE: 1/8" = 1'-0"



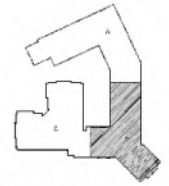
2 TYP TRANSITION DETAIL
SCALE: 1/2" = 1'-0"

3 TYP TRANSITION AT PLANK FLOOR
SCALE: 1/2" = 1'-0"

4 TYP TRANSITION AT VP/VT AND CARPET
SCALE: 1/2" = 1'-0"



5 TYP TRANSITION STRIPS
SCALE: NTS



KEY PLAN
SCALE: NTS

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Revisions	
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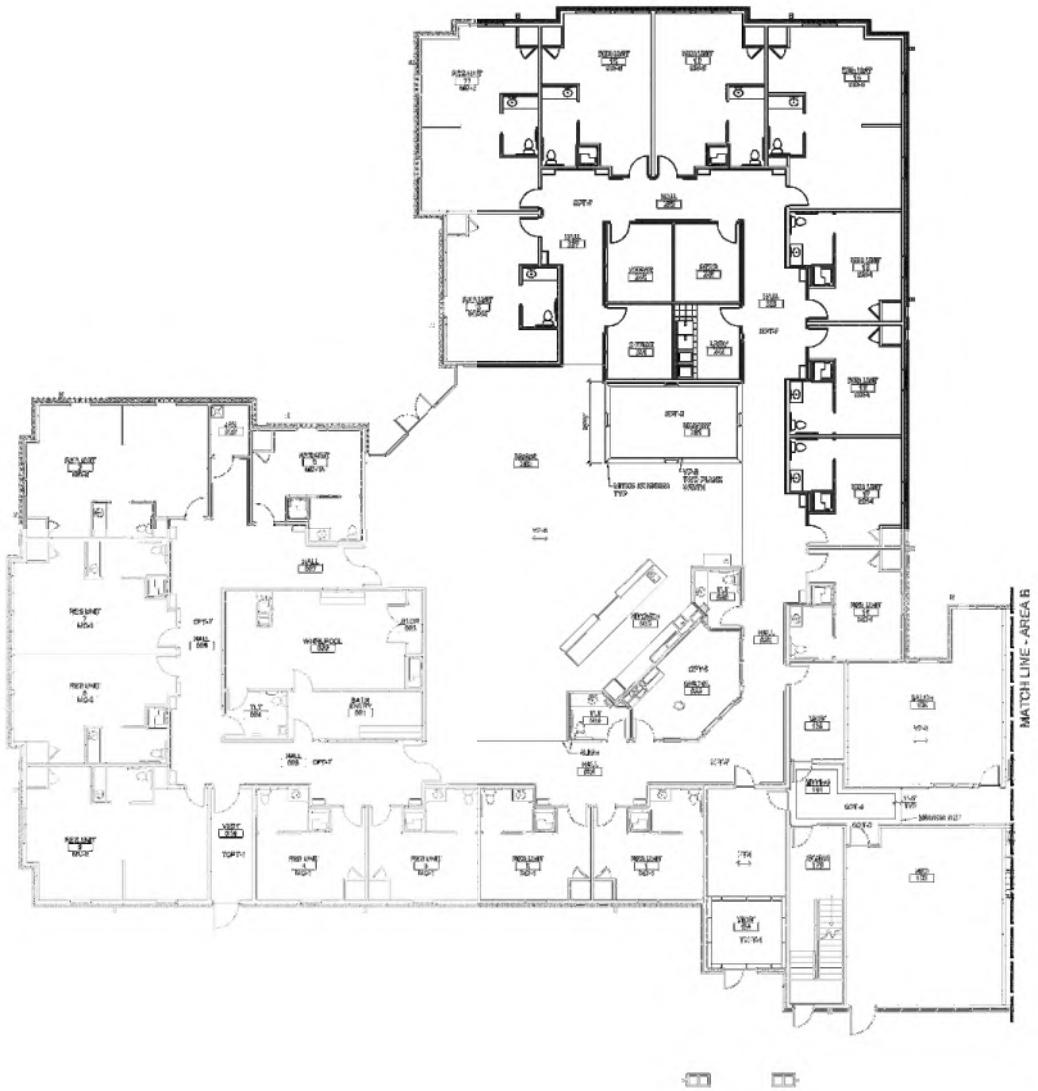
Project # 19-001

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February 20, 2019

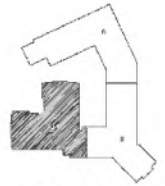
FLOORING PLAN
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1 FLOORING PLAN FIRST FLOOR - AREA C
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS

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1	Issued for Quote / ASI#1	02/27/19

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FLOORING PLAN
ID-201C

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MATCH LINE - AREA B

1 FLOORING PLAN SECOND FLOOR - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: N.T.S.

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Revisions	
1	Issued for Const. / ARB

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FLOORING PLAN

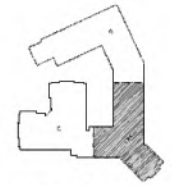
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1 FLOORING PLAN SECOND FLOOR - AREA B
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS

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1	Issued for Const. / Bid	02/27/19

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1 FLOORING PLAN THIRD FLOOR - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS

Revisions	
1	Issued For Const. / ARB

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FLOORING PLAN

ID-203A

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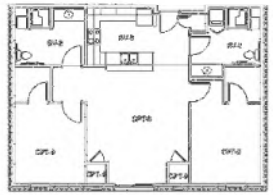
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1 RESIDENT TYPE 1 BED
SCALE: 1/8" = 1'-0"
TYPICAL FOR ROOMS 105, 103, 105, 108, 109, 110, 113, 114, 116, 119, 151, 155, 156, 157, 203, 205, 209, 210, 212, 214, 219, 251, 253, 255, 257, 301, 303, 305, 307, 312, 314, 315 (24)



2 RESIDENT TYPE 2 BED/1 BATH
SCALE: 1/8" = 1'-0"
TYPICAL FOR ROOMS 106, 150, 158, 159, 220, 310 (6)



3 RESIDENT TYPE 2 BED/2 BATH
SCALE: 1/8" = 1'-0"
TYPICAL FOR ROOMS 100, 101, 102, 200, 201, 204, 208, 300 (8)

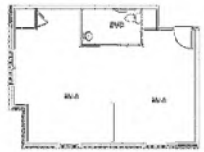


4 RESIDENT TYPE STUDIO
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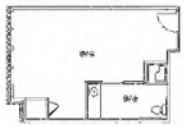
5 RESIDENT TYPE MC-1
SCALE: 1/8" = 1'-0"
TYPICAL FOR ROOMS 1, 2, 3, 4, 15, 16, 17, 18, (8)

SIMILAR FOR MC-1A ROOM 2 (1)



6 RESIDENT TYPE MC-2
SCALE: 1/8" = 1'-0"
TYPICAL FOR ROOMS 6, 8, 11, 14 (4)

SIMILAR FOR MC-2A ROOM 10 (1)



7 RESIDENT TYPE MC-3
SCALE: 1/8" = 1'-0"
TYPICAL FOR ROOMS 5, 7, 12, 13

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	Revisions
1	Issued for Const. (ASI#1) 02/20/19

Project #: 16001

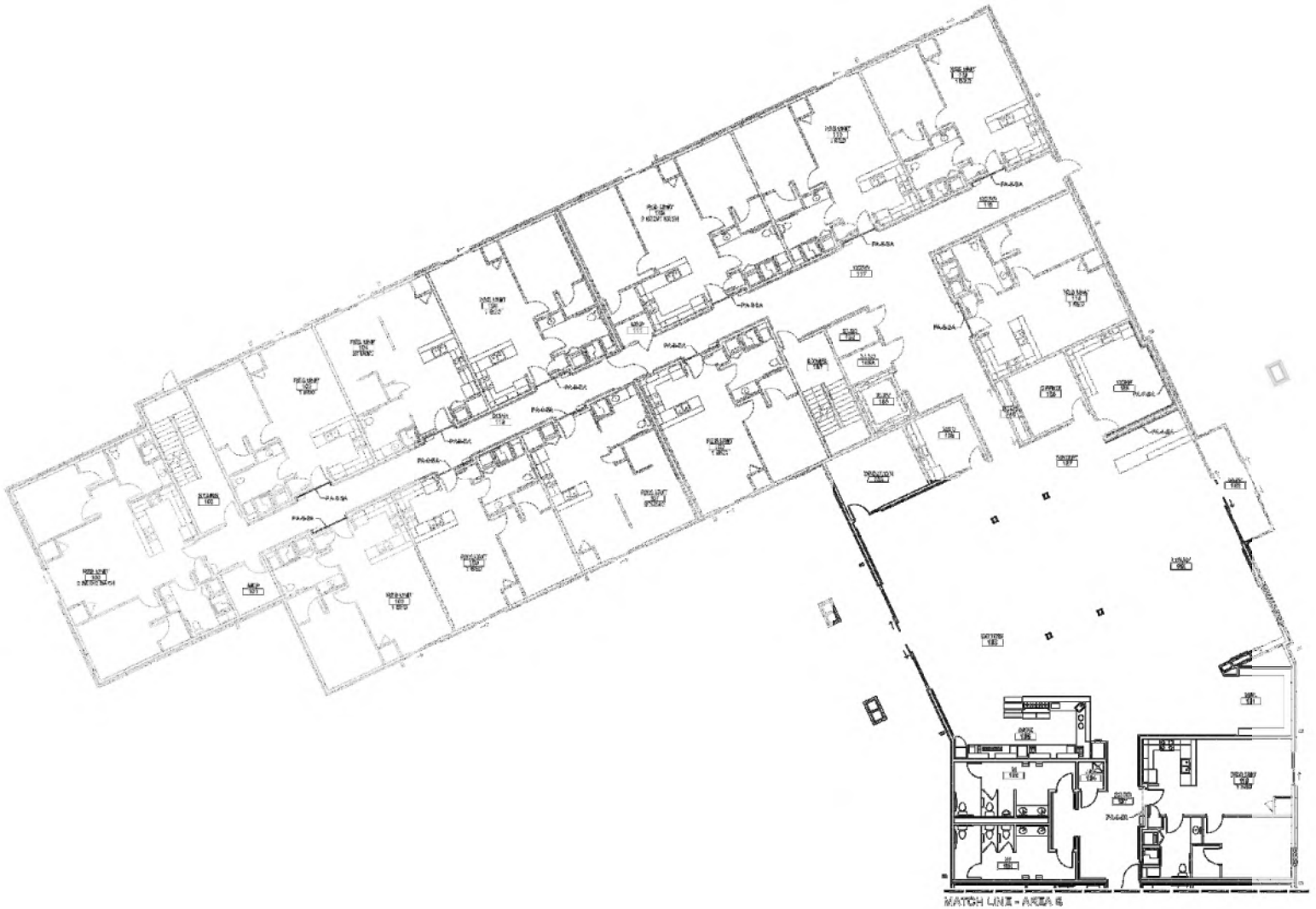
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FLOORING PLAN
RESIDENT TYPICALS

ID-204

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1 FINISH PLAN FIRST FLOOR - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS

The Heritage at Fox Run - Council Bluffs

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Council Bluffs, Iowa 51501

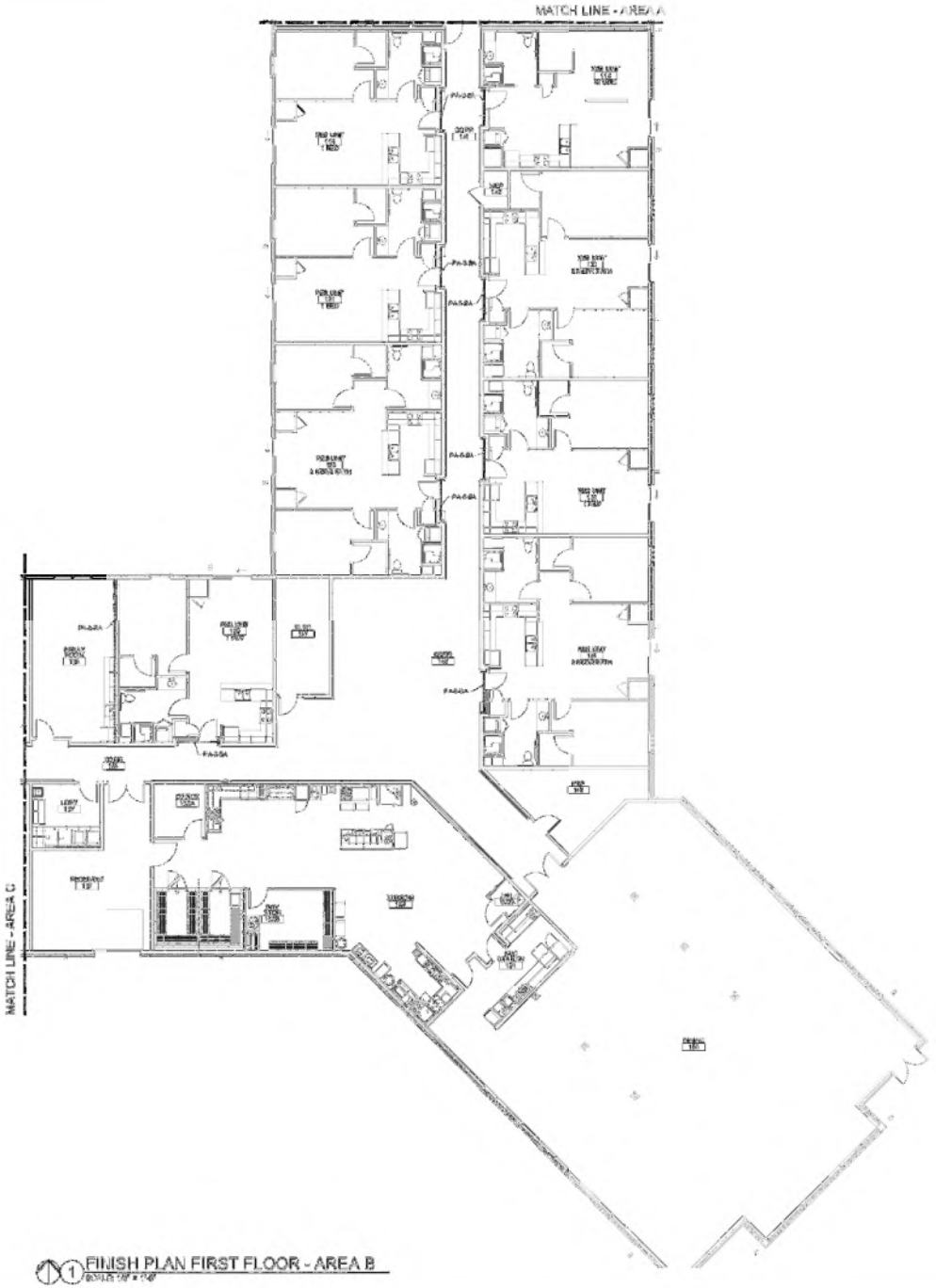
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6	Issued for Permit (ARB)	02/27/19

Project #: 15101

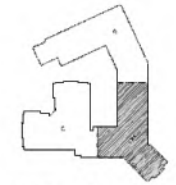
Issued For Construction
February 12, 2019

FINISH PLAN

ID-401A



1 FINISH PLAN FIRST FLOOR - AREA B



KEY PLAN

aptura
DIRECT SUPPLY
6767 North Industrial Road
Milwaukee WI 53223
844.4APTURA

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The Heritage at Fox Run - Council Bluffs

New Construction
4600 Council Pointe Road
Council Bluffs, Iowa 51501

#	Issue for Const. / Date

Project #: 181001

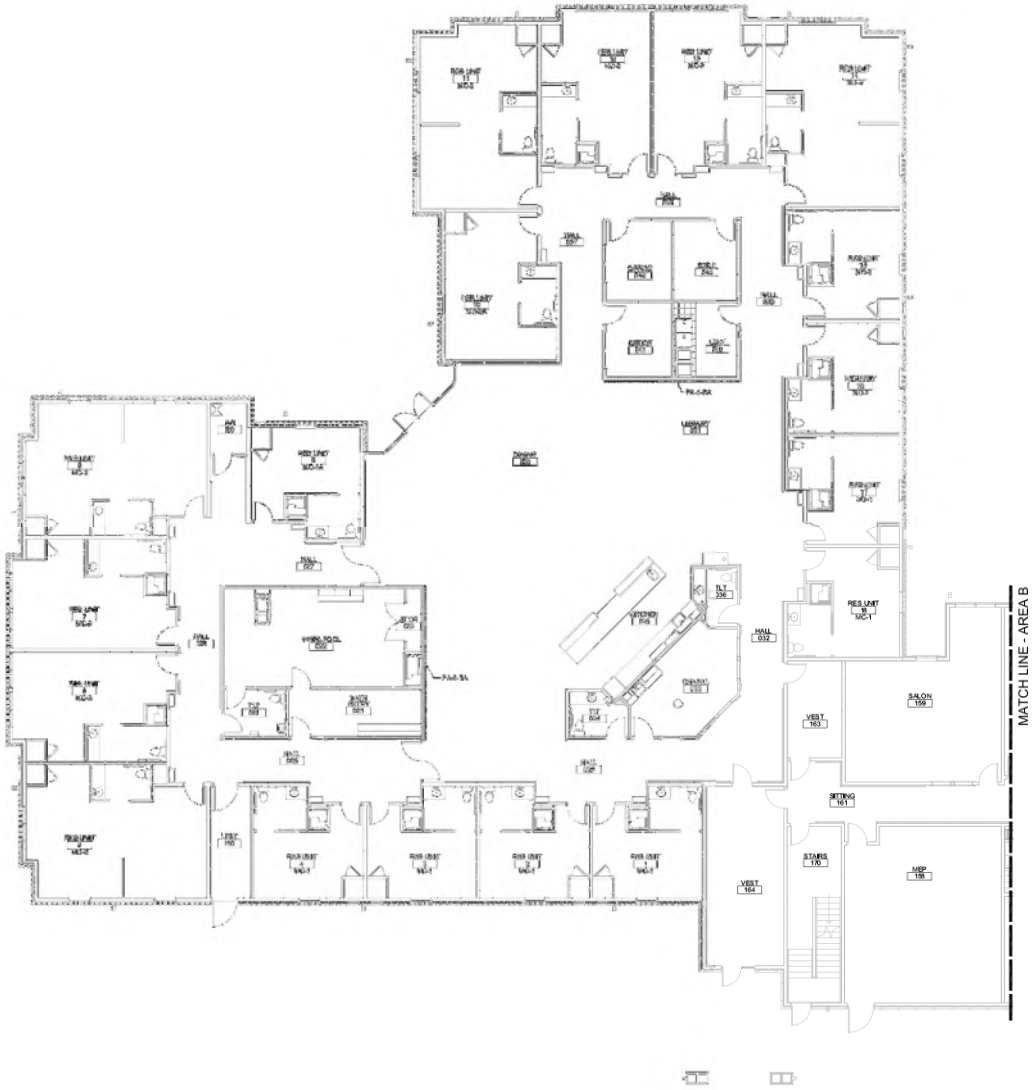
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February 20, 2019

FINISH PLAN

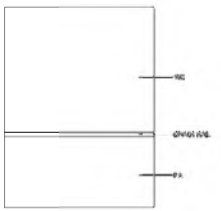
ID-401B

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Milwaukee WI 53223
844.4APTURA

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1 FINISH PLAN FIRST FLOOR - AREA C
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS



The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

#	Issue/Description	Date
0	Issued for Const. / ASI #	02/2019

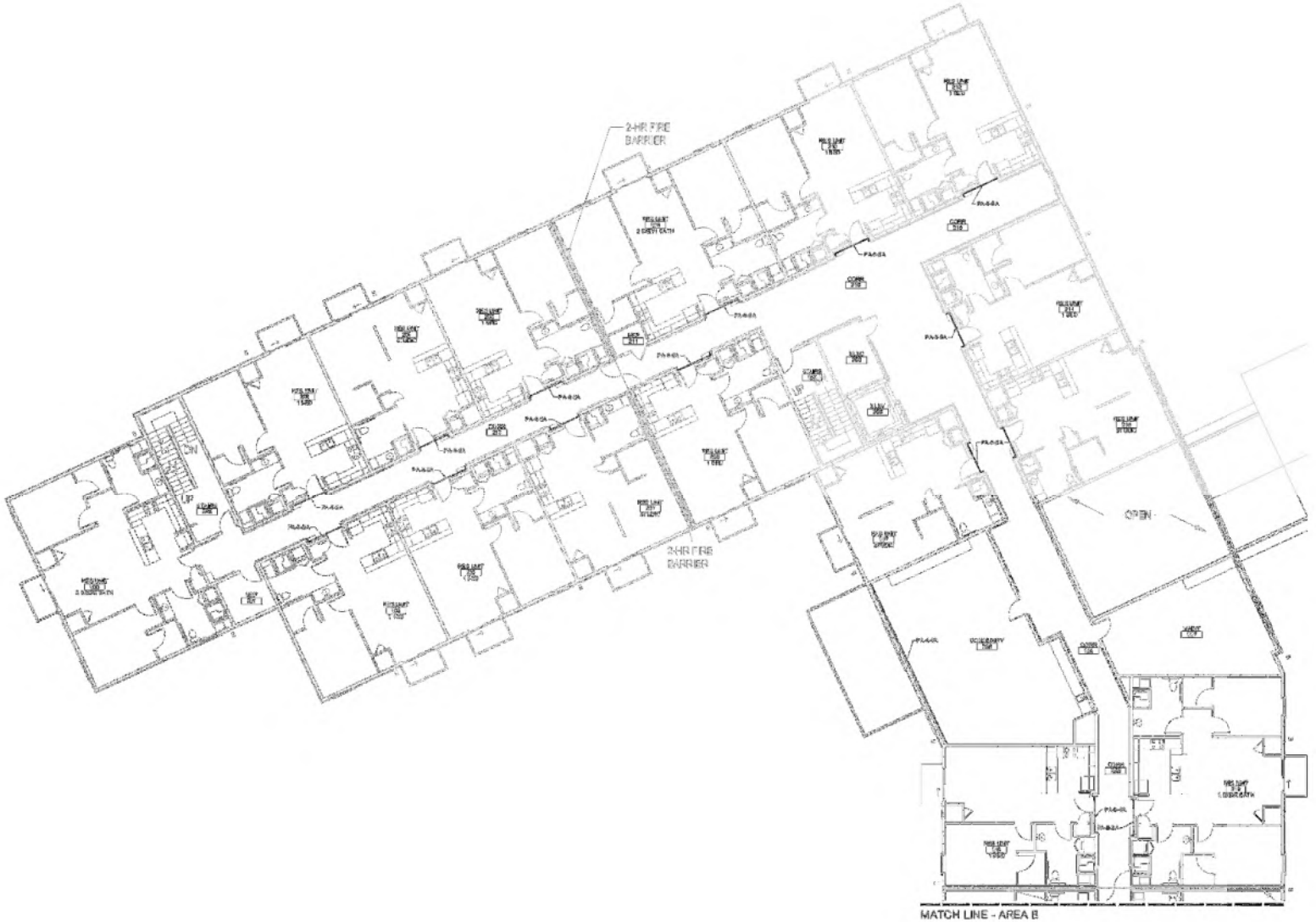
Project # 19101

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February 22, 2019

FINISH PLAN
ID-401C

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1 FINISH PLAN SECOND FLOOR - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: N/S

The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

Revisions	
4	Issued For Const. / ASI 2

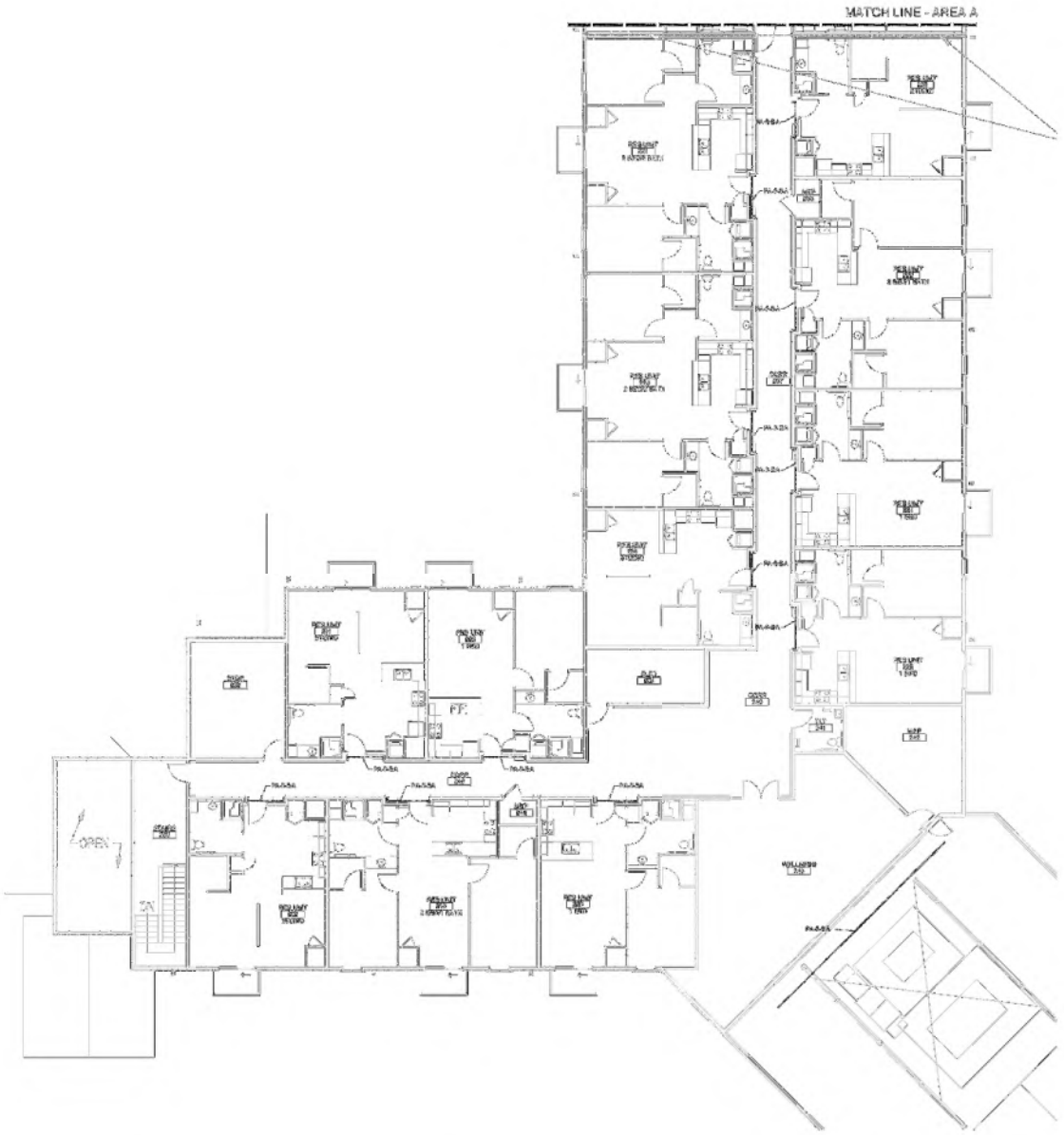
Project #:

Issued For Construction
February 28, 2019

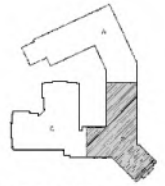
FINISH PLAN
ID-402A

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1 FINISH PLAN SECOND FLOOR - AREA B
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS

The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
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	Revision	
4	Issued for Const / ASBP	9/20/19

Project # 19-001

Issued For Construction
February 20, 2019

FINISH PLAN
ID-402B

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New Construction
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1 FINISH PLAN THIRD FLOOR - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS

Revisions	
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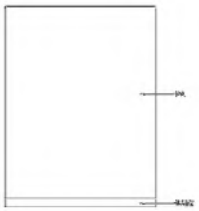
Project #:

Issued For Construction
February 28, 2019

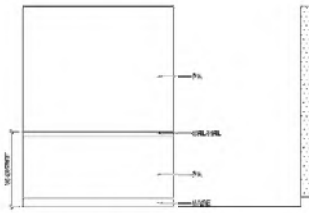
FINISH PLAN

ID-403A

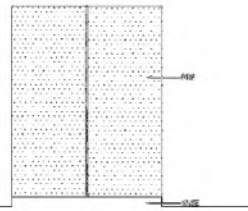
aptura
DIRECT SUPPLY
6767 North Industrial Road
Milwaukee WI 53223
844.4APTURA



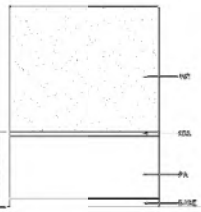
1 WALL TYPICAL
SCALE: 1/2" = 1'-0"



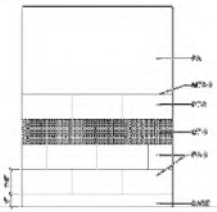
2 WALL TYPICAL
SCALE: 1/2" = 1'-0"



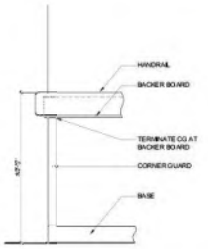
3 WALL TYPICAL
SCALE: 1/2" = 1'-0"



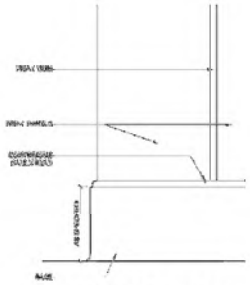
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SCALE: 1/2" = 1'-0"



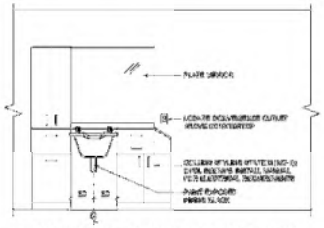
5 WALL TILE DETAIL
SCALE: 1 1/2" = 1'-0"



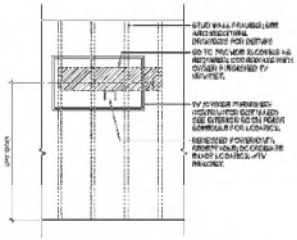
6 CORNER GUARD INSTALL DETAIL
SCALE: 1" = 1'-0"



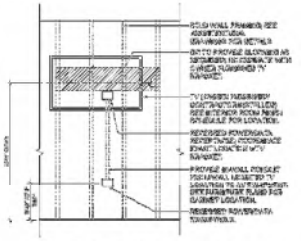
7 FRP INSTALL DETAIL
SCALE: 3" = 1'-0"



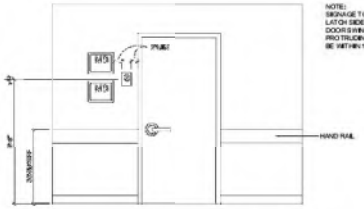
8 SALON STYLING STATION-TYP
SCALE: 1/2" = 1'-0"



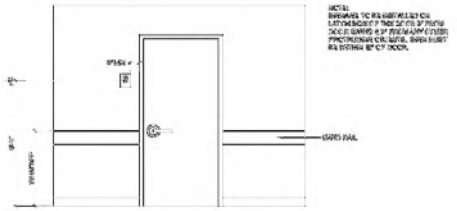
9A TYPICAL COMMON AREA TV MOUNTING DETAILS
SCALE: 1/2" = 1'-0"



9B TYPICAL COMMON AREA TV (WITH AV) MOUNTING DETAILS
SCALE: 1/2" = 1'-0"



10 TYPICAL SIGNAGE INSTALLATION
SCALE: 1/2" = 1'-0"



11 TYPICAL SIGNAGE INSTALLATION
SCALE: 1/2" = 1'-0"

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New Construction

4890 Council Pointe Road
Council Bluffs, Iowa 51501

	Revisions	
4	Issued for Const. / ASI 8	3/20/19

Project #: 19-031

Issued For Construction
February 26, 2019

INTERIOR ELEVATIONS

ID-420

aptura
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844.4APTURA



1 FURNITURE PLAN FIRST FLOOR - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS

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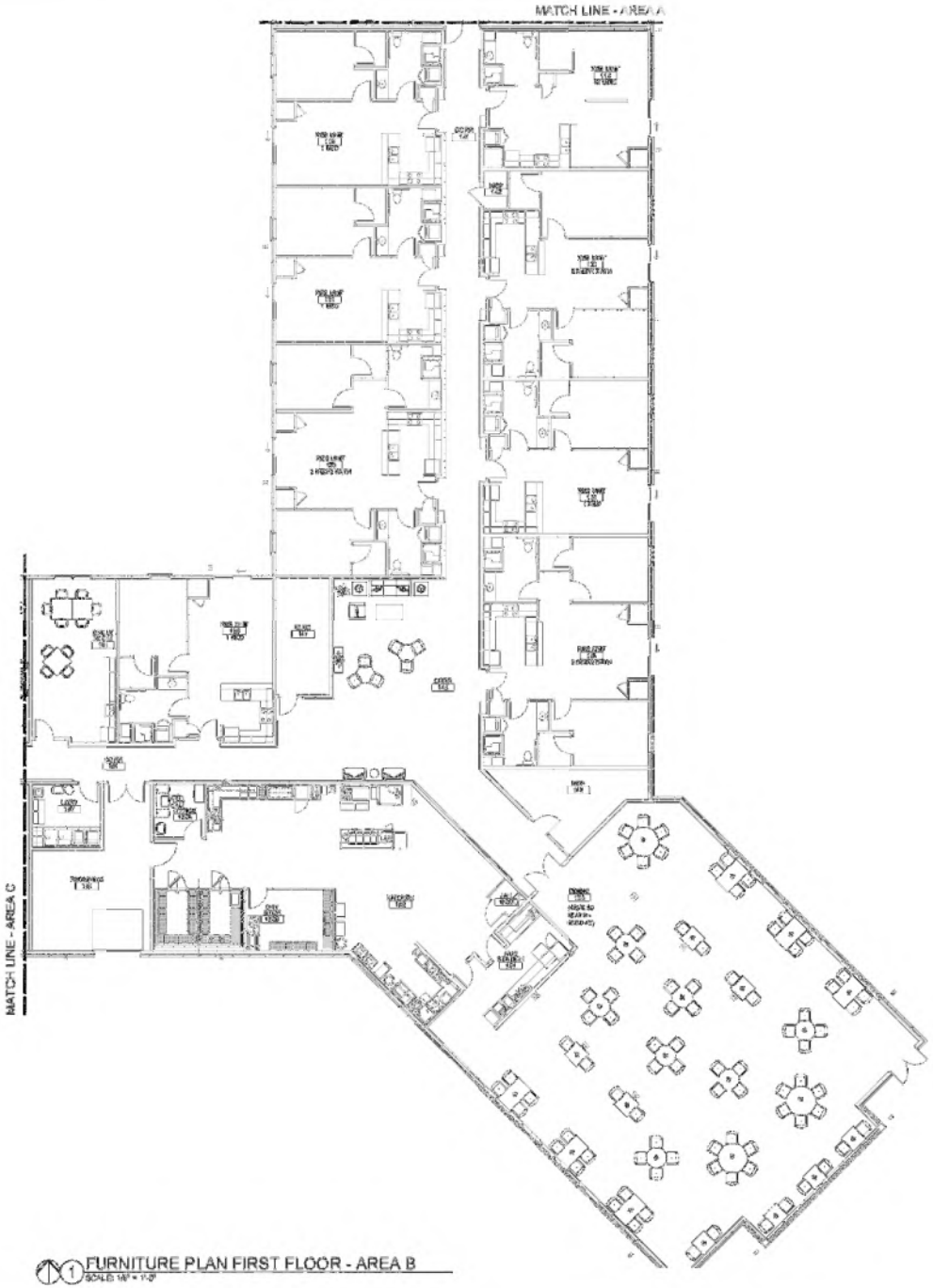
New Construction
4800 Council Points Road
Council Bluffs, Iowa 51501

Revisions	
1	Issued for Const. / ARB

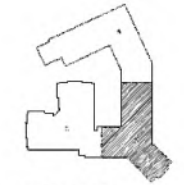
Project #:

Issued For Construction
February 28, 2019

FURNITURE PLAN
ID-501A



1 FURNITURE PLAN FIRST FLOOR - AREA B
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: 1/16"

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New Construction
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Revisions	
1	Issued for Const. / ASI 2

Project #

Issued For Construction
February 10, 2020

FURNITURE PLAN

ID-501B

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DIRECT SUPPLY
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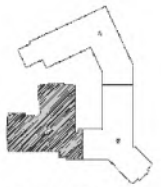
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The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501



1 FURNITURE PLAN FIRST FLOOR - AREA C
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS

#	Revisions	
0	Issued For Const. / ASI #	02/2019

Project #: 19101

Issued For Construction
February 22, 2019

FURNITURE PLAN

ID-501C

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1 FURNITURE PLAN SECOND FLOOR - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS

The Heritage at Fox Run - Council Bluffs

New Construction
4600 Council Points Road
Council Bluffs, Iowa 51501

Addenda	
#	Issue for Description / Date

Project #: 19037

Issued For Construction
February 26, 2019

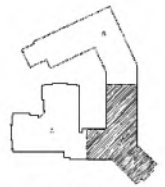
FURNITURE PLAN
ID-502A

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1 FURNITURE PLAN SECOND FLOOR - AREA B
SCALE: 1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

The Heritage at Fox Run - Council Bluffs

New Construction
4600 Council Pointe Road
Council Bluffs, Iowa 51501

Mark	Description	Date
A	Issued for Const. Update	

Project #

Issued For Construction
February 20, 2019

FURNITURE PLAN
ID-502B

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1 FURNITURE PLAN THIRD FLOOR - AREA A
SCALE: 1/8" = 1'-0"



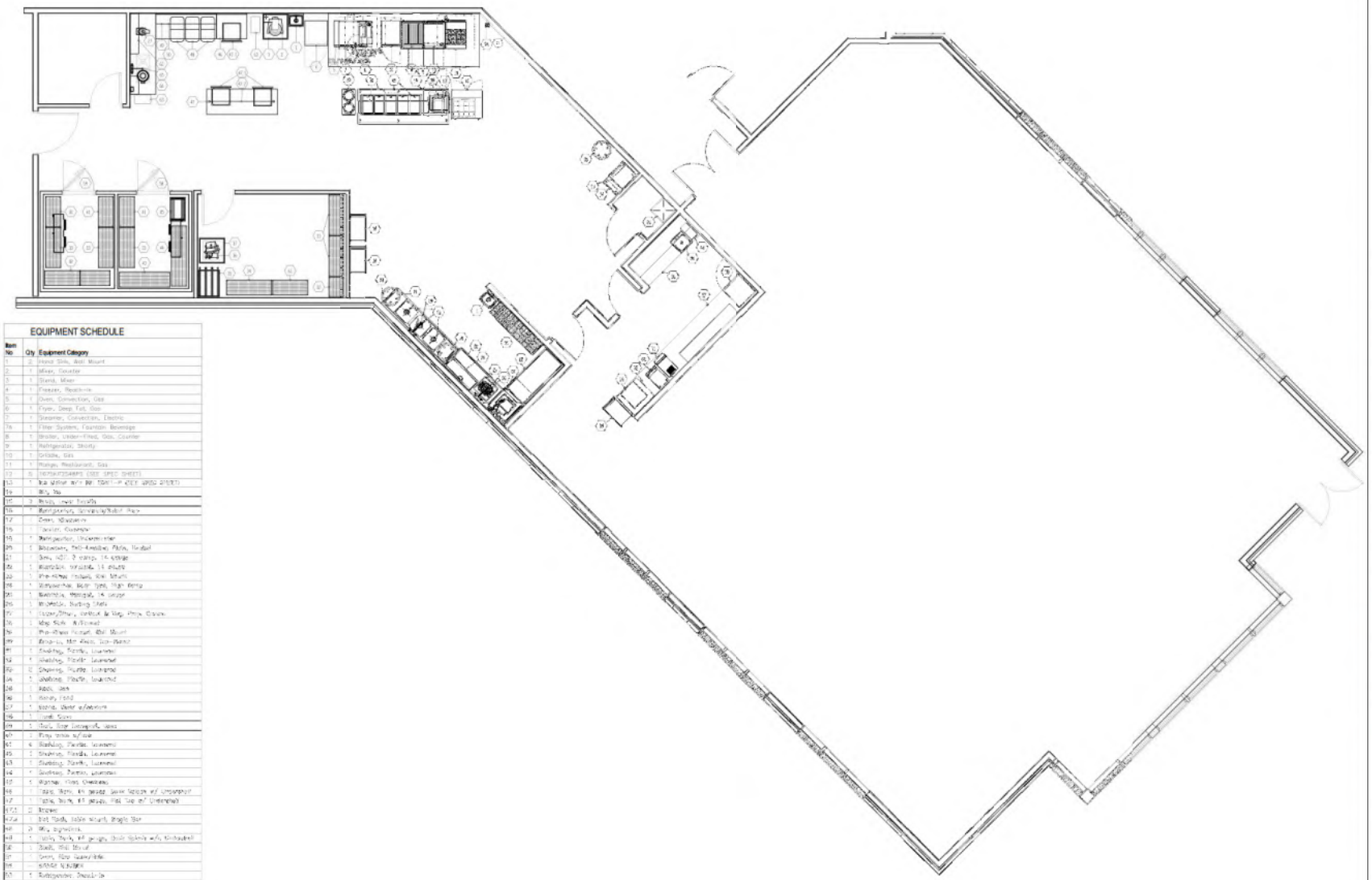
KEY PLAN
SCALE: NTS

Revisions		
#	Issue By Date / Added	Description

Project #: 19001

Issued For Construction
February 12, 2019

FURNITURE PLAN
ID-503A



EQUIPMENT SCHEDULE

Item No.	Qty	Equipment Category
1	2	Hand Sink, Wall Mount
2	1	Mixer, Counter
3	1	Stand, Mixer
4	1	Freezer, Reach-in
5	1	Oven, Convection, Gas
6	1	Fryer, Deep Fat, Gas
7	1	Steamer, Convection, Electric
7a	1	Filter System, Fountain Beverage
8	1	Broiler, Under-Fired, Gas, Counter
9	1	Refrigerator, Shorty
10	1	Griddle, Gas
11	1	Range, Restaurant, Gas
12	5	MICROWAVES (SEE SPEC SHEET)
13	1	Ice Maker w/in Bar Top (SEE SPEC SHEET)
14		Bus Tub
15	3	Bowl, Mixer Twisty
16	1	Refrigerator, Universal/Roller Rack
17		Oven, Microwave
18		Toaster, Conveyor
19	1	Refrigerator, Undercounter
20	1	Dishwasher, Pot-Washing, Flight, Heated
21	1	Sink, NSF, 3 comp. 14 w/drain
22	1	Disposer, Waste, 1.5 drain
23	1	Pre-Rinse Fixture, Wall Mount
24	1	Dishwasher, Door Type, High Temp
25	1	Booster, Heater, 15 Gauge
26	1	Dishwasher, Booster Tank
27	1	Table/Stand, Corner for Veg. Prep. Counter
28	1	Mop Sink w/Faucet
29		Pre-Rinse Faucet, Wall Mount
30	1	Drain-by, Not Req'd. Tech-Planned
31	1	Shelving, Plastic, Louvered
32	1	Shelving, Plastic, Louvered
33	2	Shelving, Plastic, Louvered
34	1	Shelving, Plastic, Louvered
35		Rack, Bun
36	1	Handy, Food
37	1	Scales, Dial w/Platform
38	1	Scale, Floor
39	1	Cart, Bus Lexington, Lexx
40	2	Tray, Trays w/Cup
41	6	Shelving, Plastic, Louvered
42	2	Shelving, Plastic, Louvered
43	1	Shelving, Plastic, Louvered
44	1	Shelving, Plastic, Louvered
45	1	Storage, Knife, Cheeseboard
46		Table, Work, 24 gauge, Solid Bottom w/ Undershelf
47		Table, Work, 18 gauge, Flat Top w/ Undershelf
47.1	2	Drawer
47.2		Bot Work, Table Mount, Single Bowl
48	2	Mop Hangers
49	1	Table, Work, 24 gauge, Split Splash w/ Undershelf
50	1	Shelf, Wall Mount
51	1	Cart, Mini Lexx/Rax
52		STORAGE SYSTEMS
53	1	Refrigerator, Double
54	1	Hand Sink w/ Faucet
55	2	Bar Sink/Dishwasher
56		Ice Chutes
57	1	Beverage Counter
58	1	Work-In Cooler
59	1	Work-In Freezer
60	1	Liquid Waste Disposal
61	1	Shelving, Plastic, Louvered
62	1	Shelf, Wall Mount
63	3	Trash Receptacle
64		Space Heater
65	1	Beverage Dump Sink
66	2	Bridge Faucets
67	1	Bottle Filler
68		Table, Work, 24 gauge, Solid Bottom w/ Undershelf
69	1	Dishwasher, Table Model
70	1	Shelving, Plastic, Louvered
71	1	Equipment Stand
72	1	Ice Chute
73	1	Shelf, Wall Mount

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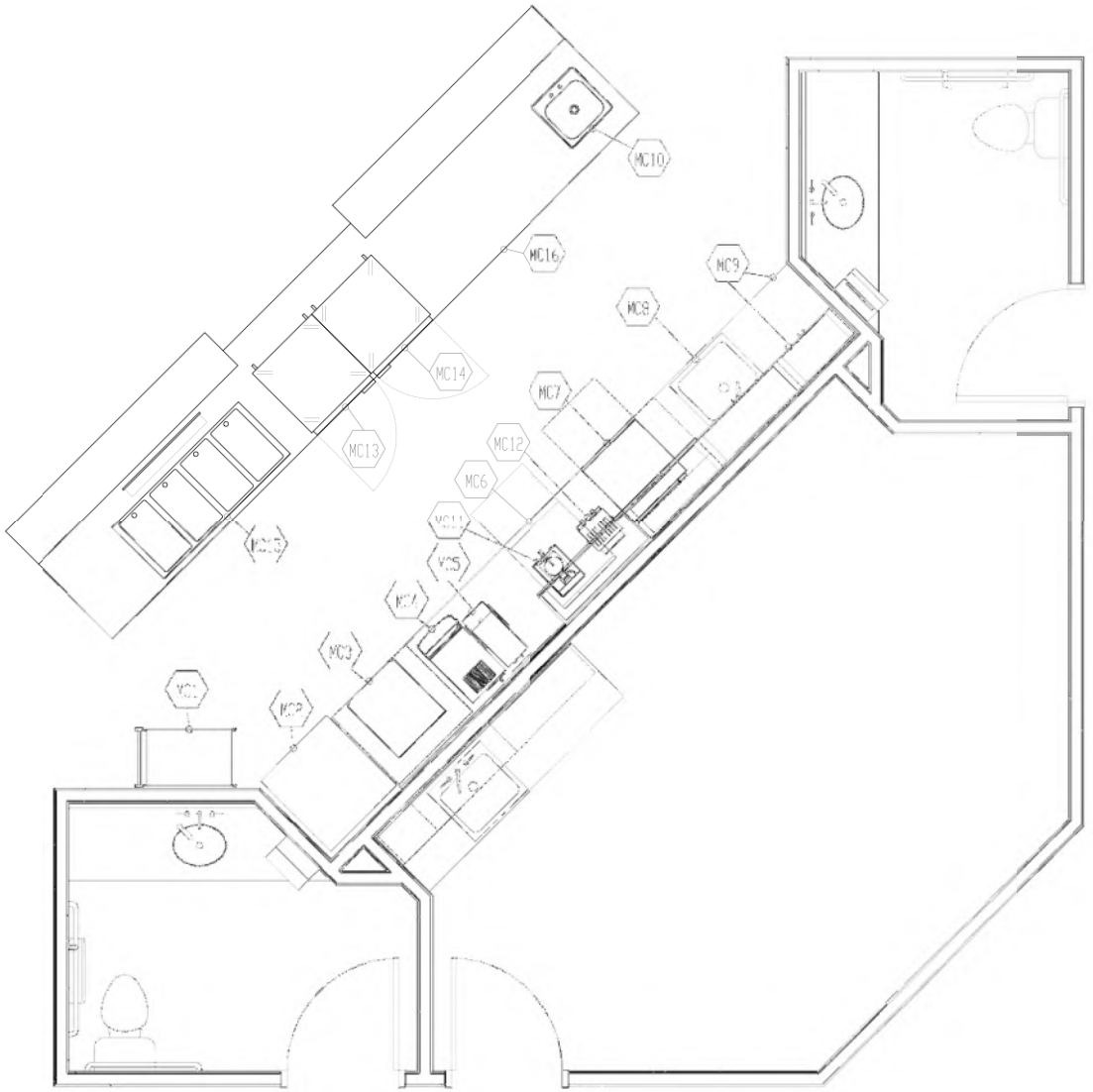
Revisions:		
4	Issued For Const. / ASI #1	03/22/19

Project #: 181001

Issued For Construction
February 22, 2019

EQUIPMENT PLAN

FS-1.0



EQUIPMENT SCHEDULE

Item No	Qty	Equipment Category
MC1	1	CART, BUSSING
MC2	1	REFIRGERATOR, RESIDENTIAL
MC3	1	ICE MAKER/ DISPENSER
MC3.1	1	FILTER SYSTEM, ICEMAKER
MC4	1	DISPENSER, JUICE VITALITY
MC5	1	DISPENSER, LIQUID COFFEE
MC6	1	WALL OVEN, MICRO & CONVECTION, UNDERNEITH
MC7	1	WAREWASHER, UNDERCOUNTER
MC8	1	SINK, DROP-IN & FAUCET
MC9	–	CASEWORK
MC10	1	HAND SINK & FAUCET
MC11	1	WAFFLE BAKER, ELECTRIC
MC12	1	TOASTER, SLOT-TYPE
MC13	1	FREEZER, UNDERCOVER
MC14	1	REFRIGERATOR, UNDERCOVER
MC15	1	DROP-IN, HOT WELLS
MC16	–	CASEWORK

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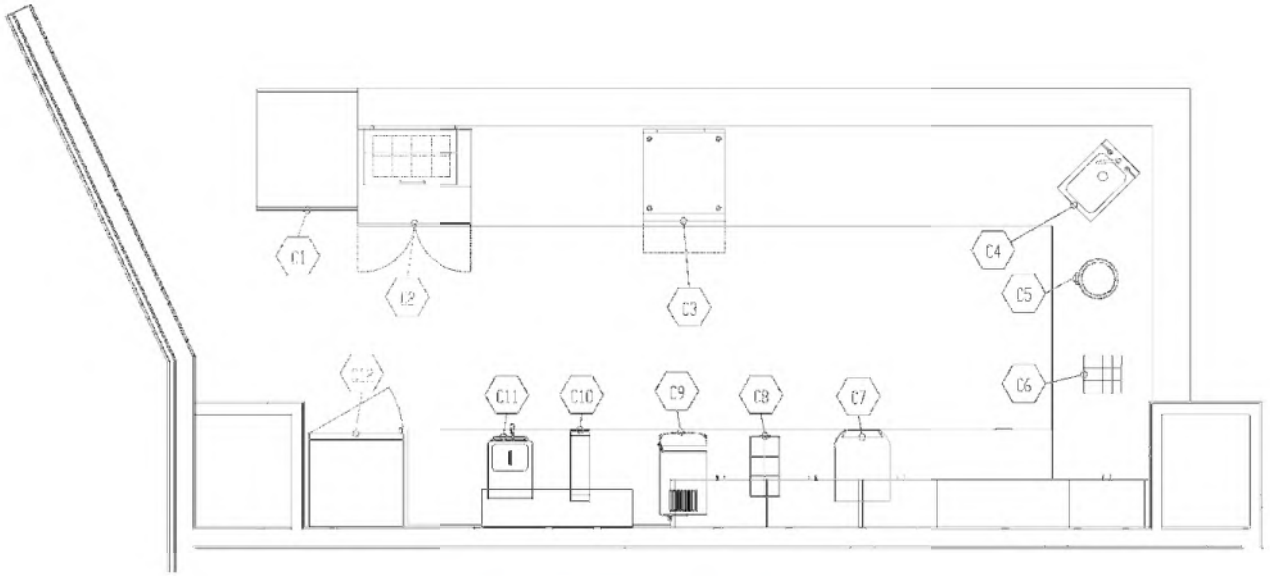
	Revisions	
4	Issued For Const. / AB #1	02/27/19

Project #: 161001

Issued For Construction
February 22, 2019

EQUIPMENT PLAN

FS-1.0B



EQUIPMENT SCHEDULE

Item No	Qty	Equipment Category
C1	1	REFRIGERATED SERVICE CASE
C2	1	SANDWICH/ SALAD PREPERATION REFRIGERATOR
C3	1	CONVECTION OVEN, ELECTRIC
C4	1	DROP-IN SINK
C5	1	FOOD PAN WARMER/ RETHERMALIZER COUNTERTOP
C6	1	CONDIMENT CADDY
C7	1	CAPPUCCINO
C8	1	CUP & LID ORGANIZER
C9	1	WATER JUICE MACHINE
C10	1	CONE HOLDER
C11	1	SOFT SERVE MACHINE
C12	1	REFRIGERATED MERCHANDISER

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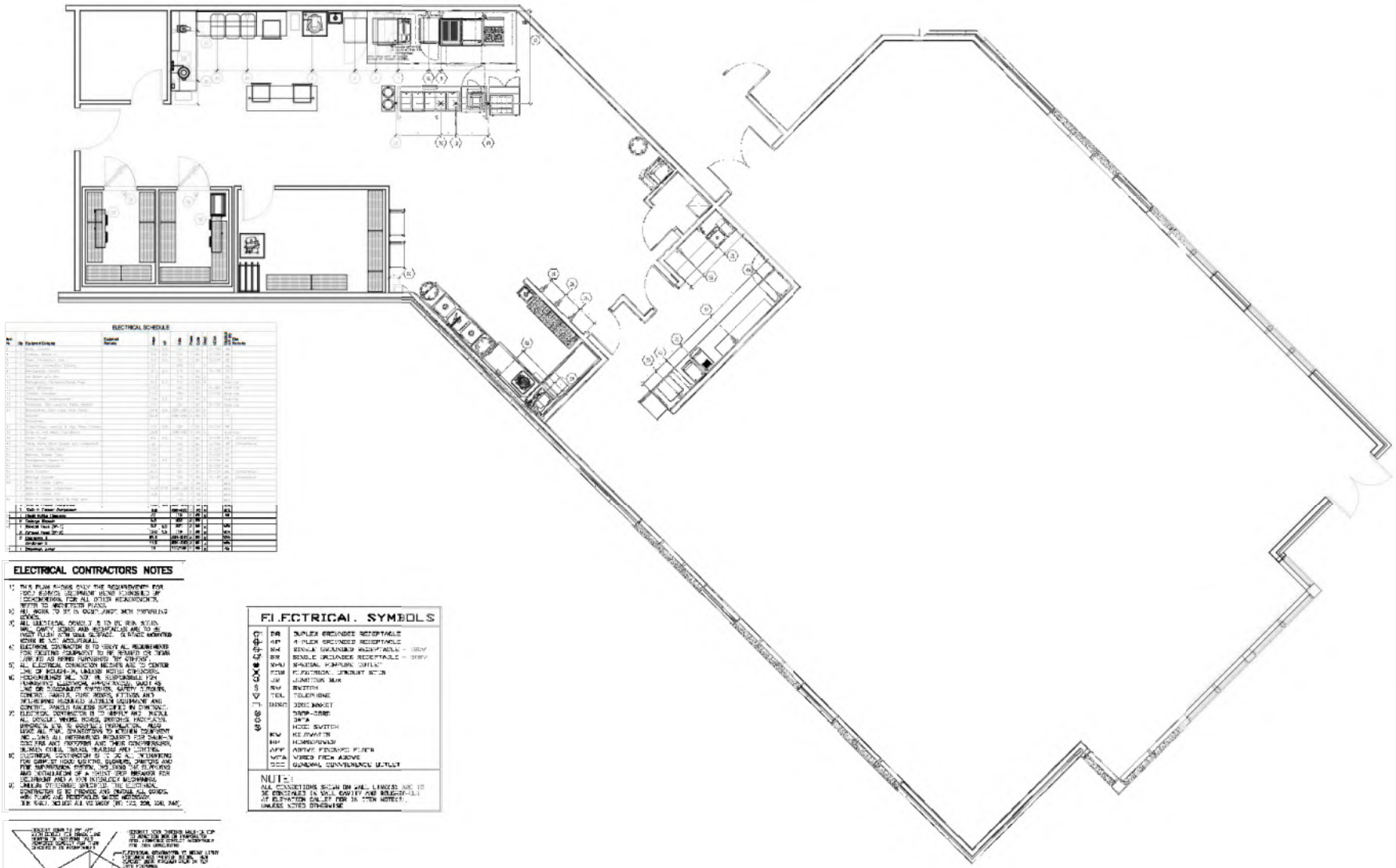
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Council Bluffs, Iowa 51501

Revisions:
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Project #: 161001

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EQUIPMENT PLAN
FS-1.0C



ELECTRICAL SCHEDULE

ELECTRICAL CONTRACTORS NOTES

1) THIS PLAN SHOWS ONLY THE REQUIREMENTS FOR FIRST FLOOR ELECTRICAL WORK FOR DETAILS OF DESIGN/WORK, FOR ALL OTHER REQUIREMENTS, REFER TO ARCHITECTS PLANS.
2) ALL WORK TO BE IN COMPLIANCE WITH PREVAILING CODES.
3) ALL ELECTRICAL EQUIPMENT & TO BE NEW, UNLESS NOTED OTHERWISE. ALL SAFETY ZONES AND RECEPTACLES ARE TO BE MOUNTED 16" ABOVE FINISHED FLOOR. ALL HEIGHTS MENTIONED WITHIN ARE NOT ABOVE FINISHED FLOOR.
4) ELECTRICAL CONTRACTOR IS TO VERIFY ALL REQUIREMENTS FOR EXISTING EQUIPMENT TO BE REMOVED OR TEMPORARILY RELOCATED PRIOR TO START OF WORK.
5) ALL ELECTRICAL CONNECTION HEIGHTS ARE TO CENTER LINE OF RECEPTACLE, UNLESS NOTED OTHERWISE.
6) HOOKUP/WIRING BY OTHERS: ELECTRICAL CONTRACTOR SHALL NOT BE RESPONSIBLE FOR FURNISHING ELECTRICAL CONNECTIONS, WIRING AND CONDUIT FOR EQUIPMENT SPECIFIED IN OTHER SECTIONS OF THE SPECIFICATIONS, UNLESS NOTED OTHERWISE. THIS CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO ENSURE PROPER AND TIMELY INSTALLATION OF ALL ELECTRICAL EQUIPMENT.
7) ELECTRICAL CONTRACTOR IS TO SUPPLY AND INSTALL ALL CONDUIT, WIRING, BOXES, SWITCHES, FROM PANEL LOCATIONS, AS INDICATED ON PLANS, TO ALL EQUIPMENT REQUIRING ELECTRICAL SERVICE. ALL FINAL CONNECTIONS TO KITCHEN EQUIPMENT SHALL BE MADE BY KITCHEN EQUIPMENT INSTALLER. ELECTRICAL CONTRACTOR SHALL INCLUDE ALL INSTRUMENTS AND WIRING AS REQUIRED FOR SHUT-DOWN OF REFRIGERANT COMPRESSOR, HUMAN CONTROL, PANEL, HEATING AND CONTROL.
8) ELECTRICAL CONTRACTOR IS TO BE ALL WIRING FOR COMPLETE HOOD LIGHTING, CONTROL, SWITCHES AND FIRE SUPPRESSION SYSTEM, INCLUDING THE SUPPLYING AND INSTALLATION OF A 10KVAT ORDER BREAKER FOR EQUIPMENT AND A FIRE INTERLOCK MECHANISM.
9) UNLESS OTHERWISE SPECIFIED, THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL ALL DEVICES, WIRE, PLATES AND RECEPTACLES WHERE NECESSARY. ALL WORK SHALL NOT BE AS PER NEC 2008, 2011, 2014.

ELECTRICAL SYMBOLS

	DR	DUPLEX GROUNDED RECEPTACLE
	4P	4-PLEX GROUNDED RECEPTACLE
GFCI	WP	SINGLE GROUNDED RECEPTACLE – 120V
GFCI	SR	SINGLE GROUNDED RECEPTACLE – 208V
	WHU	WHOLE HOUSE UPS
	FDR	FLOOR DRAIN - AMOUNT SHOWN
	JB	JUNCTION BOX
S	SW	SWITCH
TEL	TEL	TELEPHONE
	DATA	DATA
		208V-3PHASE
		208V-1PHASE
	KW	KW SWITCH
	HP	HORSEPOWER
	AHF	ACTIVE HARMONIC FILTER
	WFA	WIRED FROM ABOVE
	GFCI	GENERAL CONVENIENCE OUTLET

NOTE:
ALL CONNECTIONS SHOWN ON WALL ELEVATIONS ARE TO BE CONCEALED IN WALL CAVITY AND BOXES SHALL BE AT ELEVATION CALLED FOR IN ITEM NOTES UNLESS NOTED OTHERWISE

WALK-IN WIRING DETAIL

CEILING FIXTURE INSTALLATION

WALK-IN FOR LIGHT

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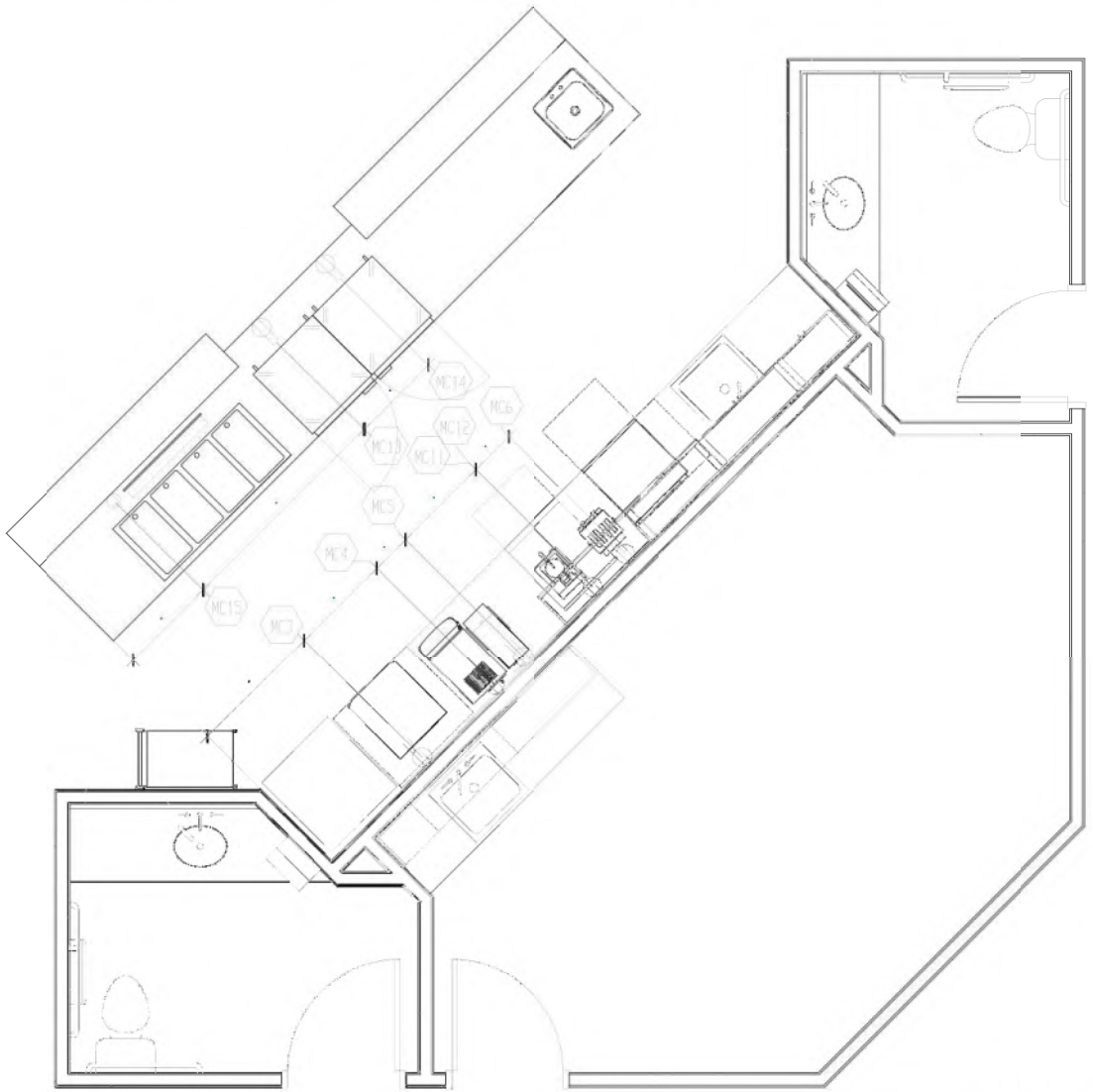
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EQUIPMENT PLAN

FS-2.0



ELECTRICAL SCHEDULE

Item No	Qty	Equipment Category	Equipment Remarks	Amps	HP	Volts	Phase	Cycle	Direct	NEMA	Electrical AFF (in)	Elec Remarks
MC3	1	HOT MAKER / DISPENSER		9.3		115	1	60		5-15P	48	
MC4	1	DISPENSER, JUICE		20.0		110-120	1	60		5-15P	48	
MC5	1	DISPENSER, LIQUID COFFEE		20.0		110	1	60	X	5-15P	48	
MC6	1	WALL OVEN, MICRO & CONVECTION, UNDERNEITH		40.0		208-240	1	60		6-50P	48	
MC11	1	WAFFLE BAKER, ELECTRIC		7.5 - 5.8		120-240	1	60		5-15P	48	
MC12	1	TOASTER, SLOT-TYPE		9.6 - 13.8		208-240	1	60		6-15P	48	
MC13	1	FREEZER, UNDERCOVER		8.0		115	1	60		5-15P	48	
MC14	1	REFRIGERATOR, UNDERCOVER		4.0		115	1	60		5-15P	48	
MC15	1	DROP-IN, HOT WELLS		29.4		208-240	3	60	X	5-15P	48	

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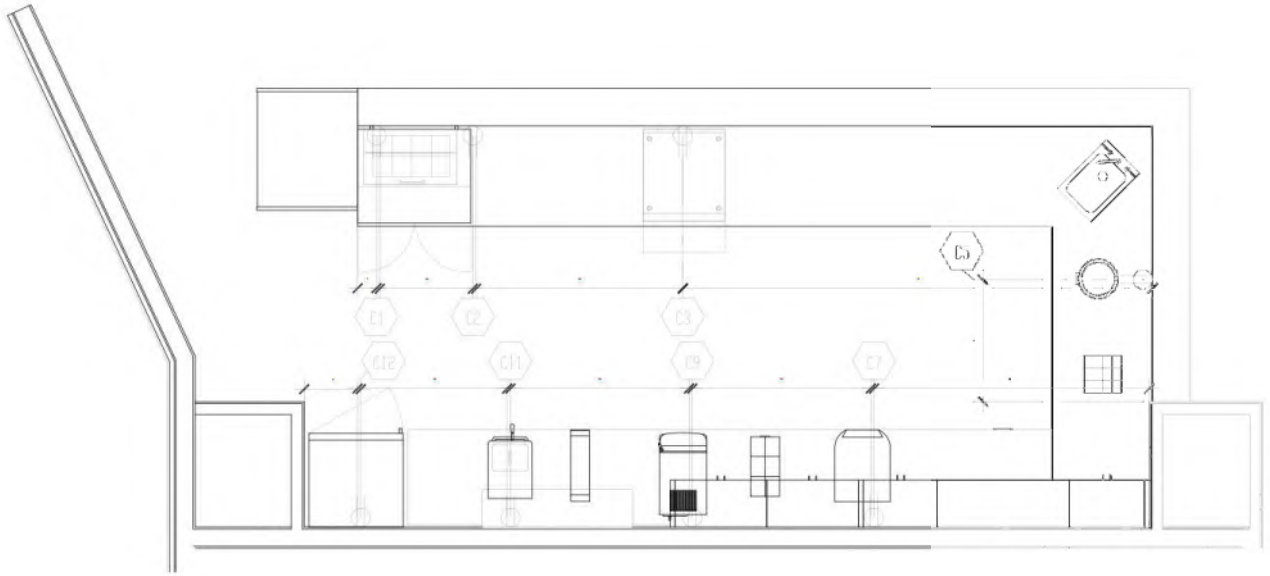
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EQUIPMENT PLAN

FS-2.0B



ELECTRICAL SCHEDULE

Item No	Qty	Equipment Category	Equipment Remarks	Amps	HP	Volts	Phase	Cycle	Direct	NEMA	Electrical AFF (in)	Elec Remarks
C1	1	REFRIGERATED SERVICE CASE		11.31		110-120	1	60		5-15P		
C2	1	SANDWICH/ SALAD PREPERATION REFRIGERATOR		8.3	0.333	115	1	60		5-15P		
C3	1	CONVECTION OVEN, ELECTRIC		24.0		208	1	60		6-30P		
C5	1	FOOD PAN WARMER/ RETHERMALIZER COUNTERTOP		6.7		120	1	60		5-15P		
C7	1	CAPPUCCINO		10.0		240						
C9	1	WATER JUICE MACHINE		15.0		110-120						
C11	1	SOFT SERVE MACHINE		15.0		115	1	60				
C12	1	REFRIGERATED MERCHANDISER		9.4	0.333	115	1	60		5-15P		

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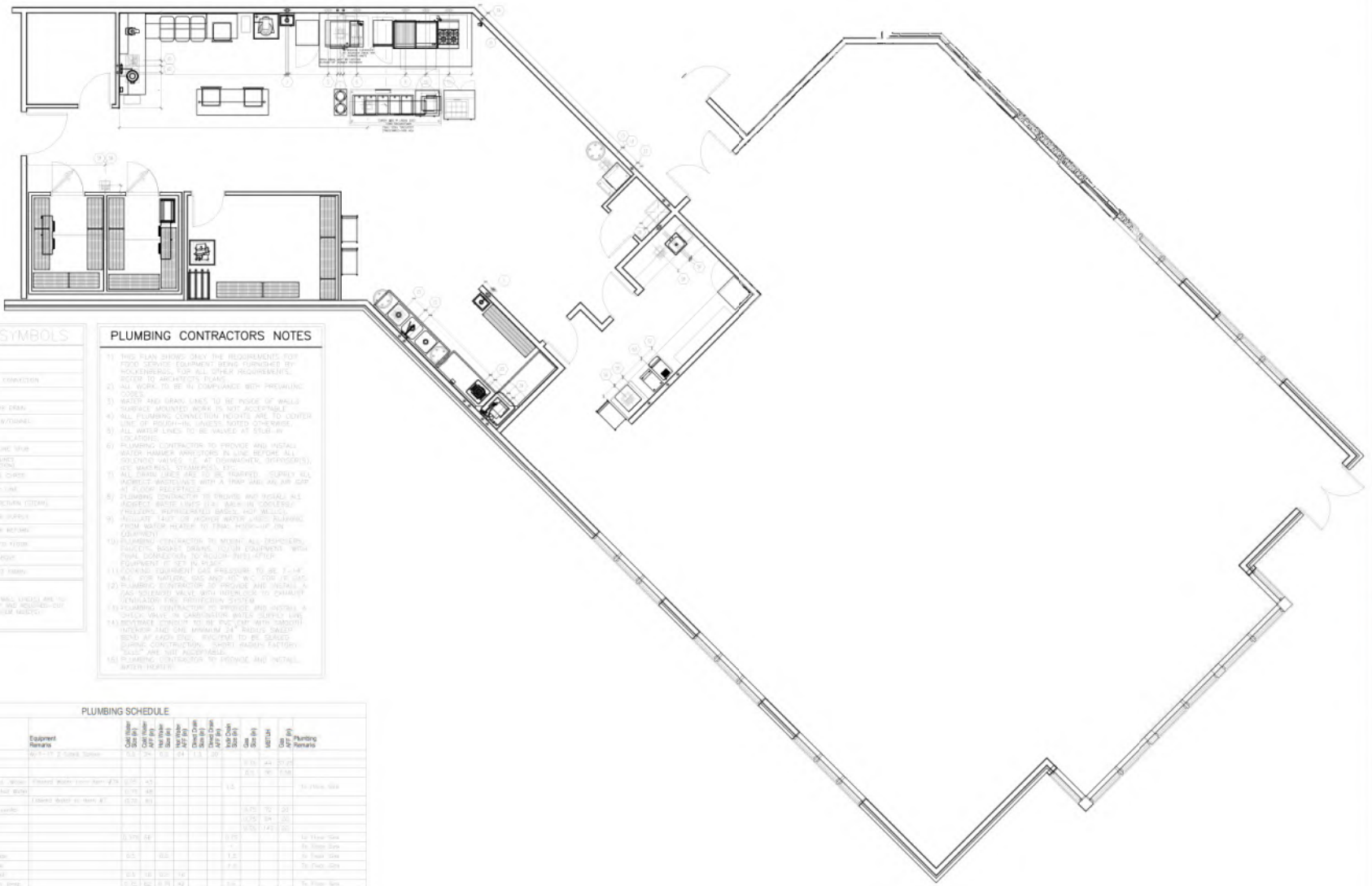
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EQUIPMENT PLAN

FS-2.0C



PLUMBING SYMBOLS

✦	HW	HOT WATER
✦	CW	COLD WATER
○	TW	TEMPERED WATER CONNECTION
⊕	FD	FLOOR DRAIN
⊕	FD1	TRUETRAP FLOOR DRAIN
⊕	FD2	FLOOR DRAIN W/TRAP PRIMER
⊡	FS	FLOOR SINK
✦	GAS	GAS SUPPLY LINE VALVE
○		REFRIGERATED LINES SUPPLY & RETURN
∿		BEVERAGE LINE CHASE
✦	STM	STEAM SUPPLY LINE
✦	COND	CONDENSATE RETURN (TOTAL)
✦	CWS	CHILLED WATER SUPPLY
✦	CWR	CHILLED WATER RETURN
	ATF	ANGLE TEMPERED FILLER
	GFA	GUARD FROM ABOVE
	DF	DISPOSAL WASTE DRAIN

NOTE:
ALL CONNECTIONS SHOWN ON WALL UNLESS ARE TO BE CONCEALED IN WALL, SHOWN AND REFERENCED OFF AT ELEVATION CALLED FOR IN ELEVATIONS.
ALL EXPOSED PIPING TO BE CHROME PLATED.

PLUMBING CONTRACTORS NOTES

1) THIS PLAN SHOWS ONLY THE REQUIREMENTS FOR FOOD SERVICE EQUIPMENT BEING FURNISHED BY HOUKENBERGS. FOR ALL OTHER REQUIREMENTS, REFER TO ARCHITECTS PLANS.
2) ALL WORK TO BE IN COMPLIANCE WITH PREVAILING CODES.
3) WATER AND DRAIN LINES TO BE INSIDE OF WALLS. SURFACE MOUNTED WORK IS NOT ACCEPTABLE.
4) ALL PLUMBING CONNECTION HEIGHTS ARE TO CENTER LINE OF RISER=IN, UNLESS NOTED OTHERWISE.
5) ALL WATER LINES TO BE VALVED AT STUB-IN LOCATIONS.
6) PLUMBING CONTRACTOR TO PROVIDE AND INSTALL WATER HAMMER ARRESTORS IN LINE BEFORE ALL SHUTOFF VALVES (I.E. AT DISHWASHER, SYPHON(S), ICE MAKER(S), STEAMER(S), ETC.).
7) ALL DRAIN LINES ARE TO BE TRAPPED. SUPPLY ALL INDIRECT WASTE LINES WITH A TRAP AND AN AIR GAP AT FLOOR RECEPTOR.
8) PLUMBING CONTRACTOR TO ENGAGE AND INSTALL ALL INDIRECT WASTE LINES (I.E. BEVERAGE COOLERS/FREEZERS, REFRIGERATED BASES, AND MILK/ICE CREAM CASES) OR ABOVE WATER LINES PLUMBING FROM WATER HEATER TO FINAL HOOK-UP ON EQUIPMENT.
9) PLUMBING CONTRACTOR TO MODIFY ALL DROP-EARS, TRAPS, BASKET STRAINER, FLOOR STRAINERS, WITH FINAL CONNECTION TO FLOOR INFO AFTER EQUIPMENT IS SET IN PLACE.
10) FLOOR MOUNTED EQUIPMENT GAS PRESSURE TO BE 5"-14" W.C. FOR NATURAL GAS AND 10" W.C. FOR LP GAS.
11) PLUMBING CONTRACTOR TO PROVIDE AND INSTALL A 3/4" GAS SOLENOID VALVE WITH INTERLOCK TO CONNECT VENTILATOR FIRE PROTECTION SYSTEM.
12) PLUMBING CONTRACTOR TO PROVIDE AND INSTALL A 3/4" GAS VALVE IN CARBONATOR WATER SUPPLY LINE.
13) ALL INTERIOR CURBS TO BE PROVIDED WITH TARGETS. ALL INTERIOR TILE LINE MINIMUM 24" RADIUS BASED. BEND AT ANGLE STEEL. EQUIPMENT TO BE SLOPED.
14) PLUMBING CONTRACTOR TO PROVIDE AND INSTALL WATER HEATER.

PLUMBING SCHEDULE

Item No	Qty	Equipment Category	Equipment Remarks	Cold Water Size (in)	Cold Water HP (hp)	Hot Water HP (hp)	Hot Water Size (in)	Waste Size (in)	Direct Drain Size (in)	Direct Trap Size (in)	Indirect Drain Size (in)	Indirect Trap Size (in)	Gas Size (in)	MBTUH	Gas Qty	Plumbing Remarks
A	1	Hand Sink, Wall Mount	Hot Water & Cold Water	0.5	1/4	0.5	1/4	1.5								
B	1	Open Kitchen, Gas											0.75	44	20 CF	
D	1	Type I Hood, Full Gas											0.75	90	1100	
E	1	Chiller, Connection, Tempered Water	Tempered Water from Item #29	0.25	1/3								1.5			To Walk-Ins
	1	Mixing Connection, Tempered Water		0.75	3/4											
H	1	Mixer, Beater	Tempered Water to Item #E	0.25	1/3											
K	1	Steam, Hose-Fitted, Gas Counter											0.75	70	20	
L	1	Chiller, Gas											0.75	54	20	
M	1	Range, Restaurant, Gas											0.75	140	30	
O	1	Ice Maker		0.375	1/2								0.75			To Floor Sink
P	1	Sink, 1 Bay											1.5			To Floor Sink
R	1	Sink, Mop, 2 Valve, 24 gallon		0.5		0.5							1.5			To Floor Sink
CC	1	Dishtank, Straight, 3 Bay											1.5			To Floor Sink
DD	1	Pre-Rinse Faucet, Wall Mount		0.5	1/3	0.5	1/3									
EE	1	Backsplash, Deck Type, High Arch		0.75	3/4	0.75	3/4						1.5			To Floor Sink
FF	1	Mop Sink w/Faucet		0.5	1/3	0.5	1/3	3.0								
GG	1	Pre-Rinse Faucet, Wall Mount		0.5	1/3	0.5	1/3									
HH	1	Hot Tank											1.5			To Floor Sink
JJ	1	Prep Sink, 4-Hole		0.5		0.5							1.5			To Floor Sink
KK	1	HAND SINK & FAUCET		0.5	1/4	0.5	1/4	1.5								
LL	1	Ice Maker Dispenser		0.375	1/2								0.75			To Floor Sink
MM	1	Walk-In Cooler											0.75			To Floor Sink
NN	1	Walk-In Freezer											0.75			To Floor Sink
PP	1	Drink Dispenser, Counter		0.375	1/2											To Floor Sink
QQ	1	Hand Sink, Mount		0.5	1/4	0.5	1/4									
RR	1	Dishwash, Auto		0.750	3/4											

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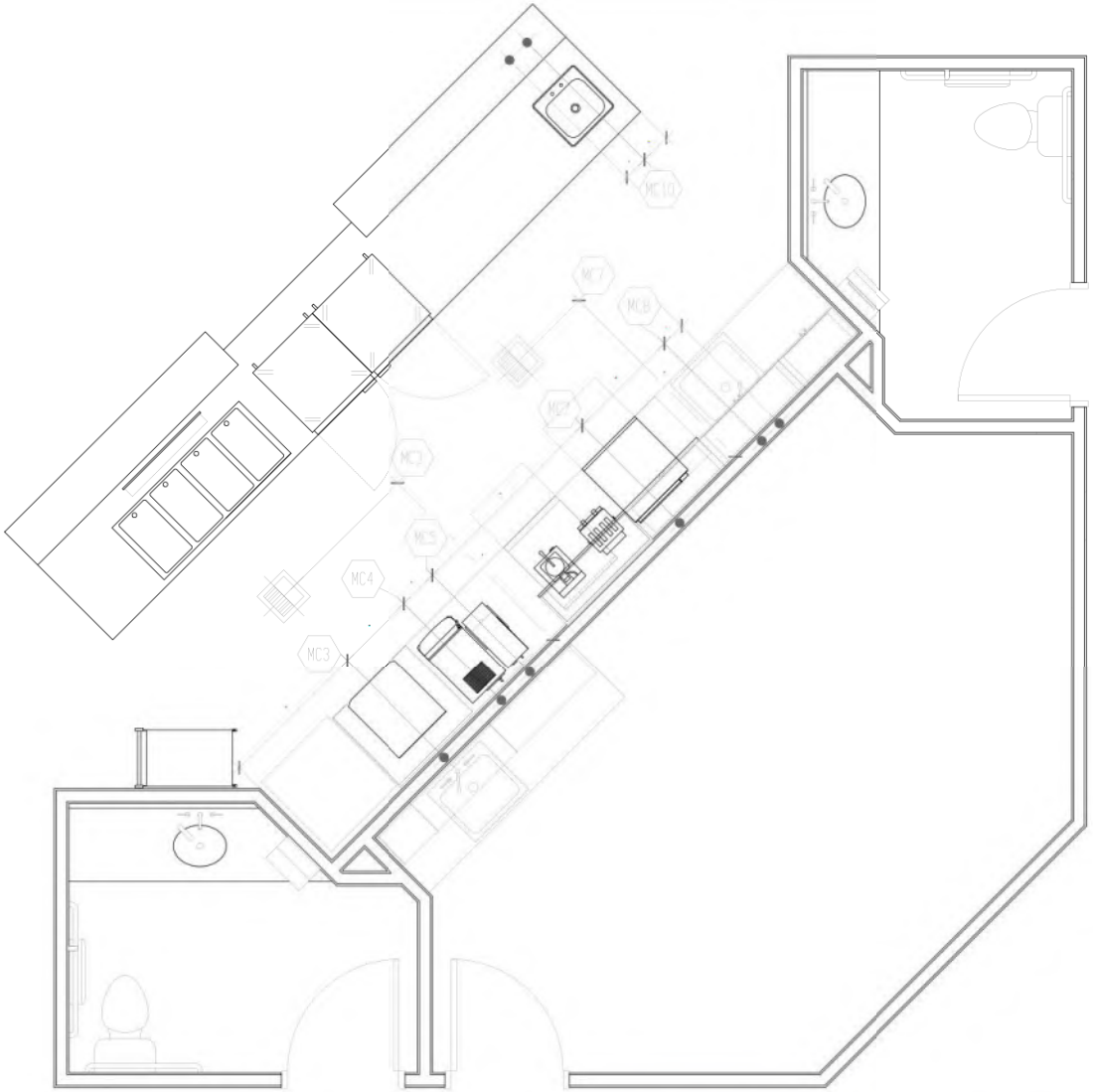
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EQUIPMENT PLAN

FS-3.0



PLUMBING SCHEDULE

Item No	Qty	Equipment Category	Equipment Remarks	Cold Water Size (in)	Cold Water AFF (in)	Hot Water Size (in)	Hot Water AFF (in)	Direct Drain Size (in)	Direct Drain AFF (in)	Indir Drain Size (in)	Gas Size (in)	MBTUH	Gas AFF (in)	Plumbing Remarks
MC3	1	ICE MAKER/ DISPENSER		0.375	54					0.75				To Floor Sink
MC4	1	DISPENSER, JUICE		0.375	54									
MC5	1	DISPENSER, LIQUID COFFEE		0.375	54									
MC7	1	WAREWASHER, UNDERCOUNTER				0.75	52		1.5	0.75				To Floor Sink
MC8	1	SINK, DROP-IN & FAUCET		0.5	18.25	0.5	18.25	2.0	20					
MC10	1	HAND SINK & FAUCET		0.5	18.25	0.5	18.25	2.0	20					

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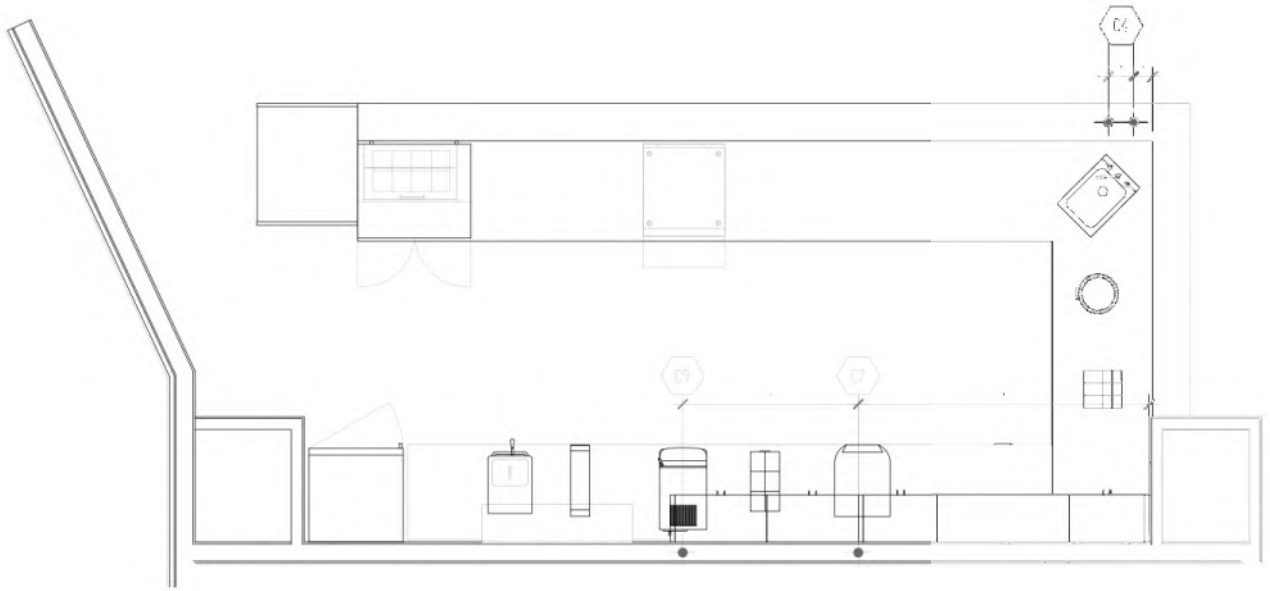
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EQUIPMENT PLAN

FS-3.0B



PLUMBING SCHEDULE

Item No	Qty	Equipment Category	Equipment Remarks	Cold Water Size (in)	Cold Water AFF (in)	Hot Water Size (in)	Hot Water AFF (in)	Direct Drain Size (in)	Direct Drain AFF (in)	Indir Drain Size (in)	Gas Size (in)	MBTUH	Gas AFF (in)	Plumbing Remarks
C4	1	HAND SINK & FAUCET		0.5	18.25	0.5	18.25	2.0	20					
C7	1	CAPPUCCINO		0.5	48									
C9	1	WATER JUICE MACHINE		0.375	48									

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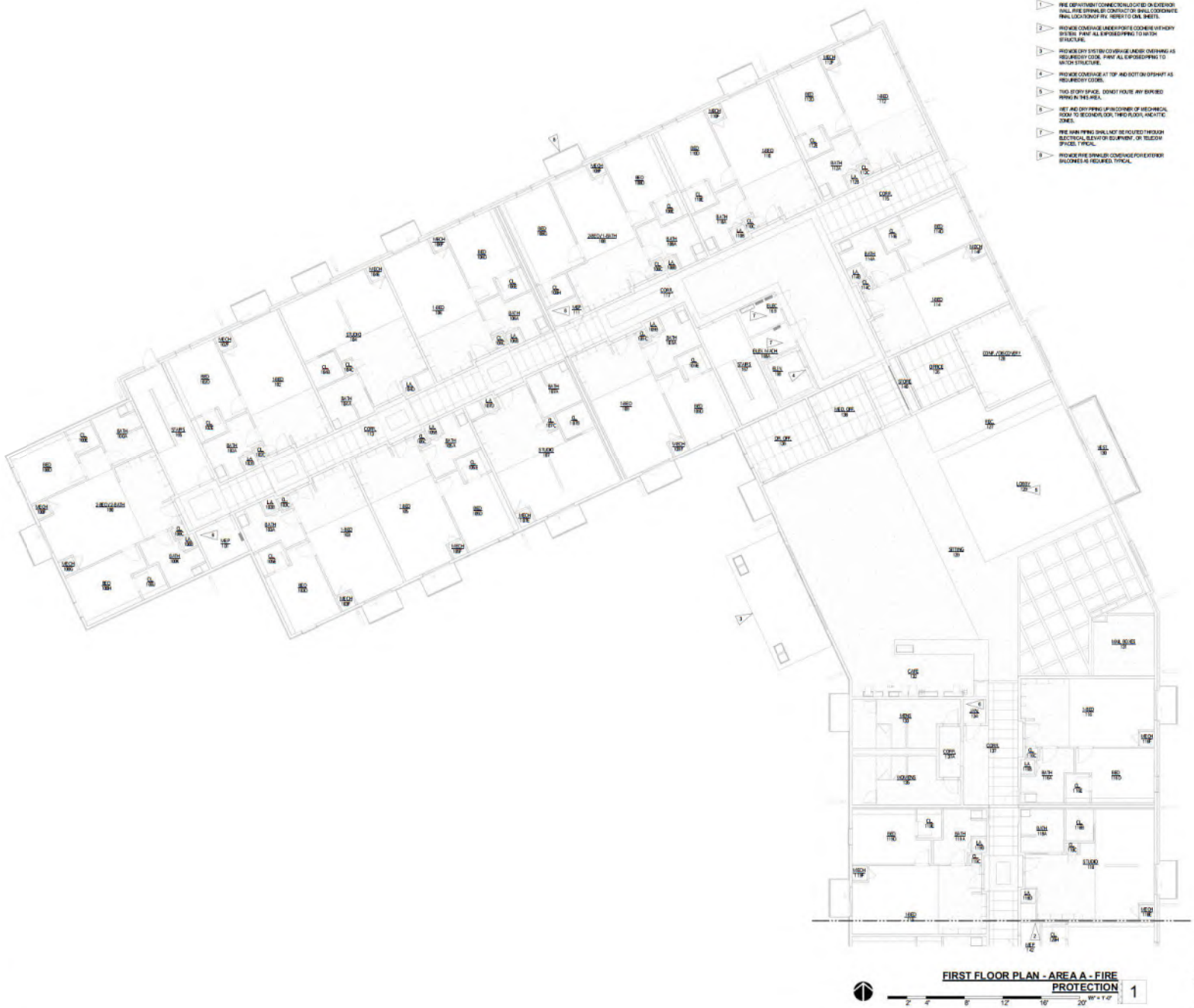
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EQUIPMENT PLAN

FS-3.0C



FLAG NOTES

1. FIRE DEPARTMENT CONNECTION LOCATED ON EXTERIOR WALL. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE FINAL LOCATION OF FX. REFER TO CIVIL SHEETS.
2. PROVIDE COVERAGE UNDER PORTE COCHERE WITH DRY SYSTEM. PAINT ALL EXPOSED PIPING TO MATCH STRUCTURE.
3. PROVIDE DRY SYSTEM COVERAGE UNDER OVERHANG AS REQUIRED BY CODE. PAINT ALL EXPOSED PIPING TO MATCH STRUCTURE.
4. PROVIDE COVERAGE AT TOP AND BOTTOM OF SHAFT AS REQUIRED BY CODES.
5. TWO STORY SPACE. DO NOT ROUTE ANY EXPOSED PIPING IN THIS AREA.
6. WET AND DRY PIPING UP IN CORNER OF MECHANICAL ROOM TO SECOND FLOOR, THIRD FLOOR, AND ATTIC SPACES, TYPICAL.
7. FIRE MAIN PIPING SHALL NOT BE ROUTED THROUGH ELECTRICAL, ELEVATOR EQUIPMENT, OR TELECOM SPACES, TYPICAL.
8. PROVIDE FIRE SPRINKLER COVERAGE FOR EXTERIOR BALCONIES AS REQUIRED, TYPICAL.



KEY PLAN
1" = 80'-0"

SPRINKLER NOTE:

ENTIRE BUILDING INCLUDING THE ATTIC SHALL HAVE FIRE PROTECTION SPRINKLER SYSTEM INSTALLED TO MEET THE REQUIREMENTS OF NFPA CODES, THE STATE FIRE MARSHALL'S OFFICE, AND THE OWNERS APPROVING INSURANCE AGENCY. SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL CEILING MOUNTED SPRINKLER HEADS TO AVOID ANY AND ALL INTERFERENCE WITH ALL OTHER TRADES. IF CONFLICTS DO OCCUR SUCH THAT LIGHT, DUCTS, DIFFUSERS, GRILLES, OR CEILING SYSTEMS CANNOT BE INSTALLED IN THEIR REQUIRED LOCATIONS DUE TO SPRINKLER PIPING INTERFERENCE, THE PIPING SHALL BE RELOCATED ON HIS/HER/THEIR NO ADDITIONAL EXPENSE TO THE PROJECT. SPRINKLER CONTRACTOR SHALL MAINTAIN AN ADEQUATE SUPPLY OF EXTRA PIPING, FITTINGS, AND NECESSARY TOOLS TO MAKE FIELD MODIFICATIONS WITHOUT DELAY. AN APPROVED SPRINKLER SHOP DRAWING DOES NOT PRECLUDE REROUTING IF SO ORDERED BY THE ARCHITECT/ENGINEER

FIRST FLOOR PLAN - AREA A - FIRE PROTECTION 1

1/8" = 1'-0"

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FIRST FLOOR PLAN - AREA A - FIRE PROTECTION

FP101



FLAG NOTES

1. FIRE DEPARTMENT CONNECTION LOCATED ON EXTERIOR WALL. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE FINAL LOCATION OF FD. REFER TO CIVIL SHEETS.
2. WET AND DRY PIPING UP IN CORNER OF MECHANICAL ROOM TO SECOND FLOOR, THIRD FLOOR, AND ATTIC ZONES.
3. FIRE SPRINKLER RISER RANGE. SEE DETAIL, VFP102.
4. FIRE MAIN PIPING SHALL NOT BE ROUTED THROUGH ELECTRICAL, ELEVATOR EQUIPMENT, OR TELECOM SPACES, TYPICAL.
5. PROVIDE FIRE SPRINKLER COVERAGE FOR EXTERIOR BALCONIES AS REQUIRED, TYPICAL.



KEY PLAN
1" = 80'-0"

WET-PIPE SPRINKLER SYSTEM SERVICE-ENTRANCE DIAGRAM
NO SCALE
1 FP102

FIRST FLOOR PLAN - AREA B - FIRE PROTECTION 1
1/8" = 1'-0"
2' 4' 8' 12' 16' 20'

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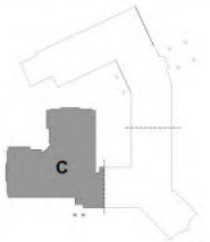
FIRST FLOOR PLAN - AREA B - FIRE PROTECTION

FP102



FIRST FLOOR PLAN - AREA C - FIRE PROTECTION 1

1/8" = 1'-0"



KEY PLAN

1" = 60'-0"

FLAG NOTES

1 FIRE DEPARTMENT CONNECTION LOCATED ON EXTERIOR WALL. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE FINAL LOCATION OF FDC WITH FIRE DEPARTMENT OFFICIAL. SHEET S1.

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Council Bluffs, Iowa 51501

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4	Issued For Const. / AB #1	02/22/19

Project #: 161001

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February 22, 2019

FIRST FLOOR PLAN - AREA C - FIRE PROTECTION

FP103



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The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

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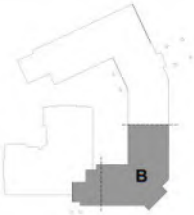
SECOND FLOOR PLAN - AREA A - FIRE PROTECTION

FP104



FLAG NOTES

1. WET AND DRY PIPING UP IN CORNER OF MECHANICAL ROOM TO SECOND FLOOR, THIRD FLOOR, AND ATTIC ZONES.
2. FIRE MAIN PIPING SHALL NOT BE ROUTED THROUGH ELECTRICAL, ELEVATOR EQUIPMENT, OR TELECOM SPACES, TYPICAL.
3. PROVIDE FIRE SPRINKLER COVERAGE FOR EXTERIOR BALCONIES AS REQUIRED, TYPICAL.



KEY PLAN
1" = 60'-0"

SECOND FLOOR PLAN - AREA B - FIRE PROTECTION 1
1/8" = 1'-0"
0' 2' 4' 8' 12' 16' 20'

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SECOND FLOOR PLAN - AREA B - FIRE PROTECTION

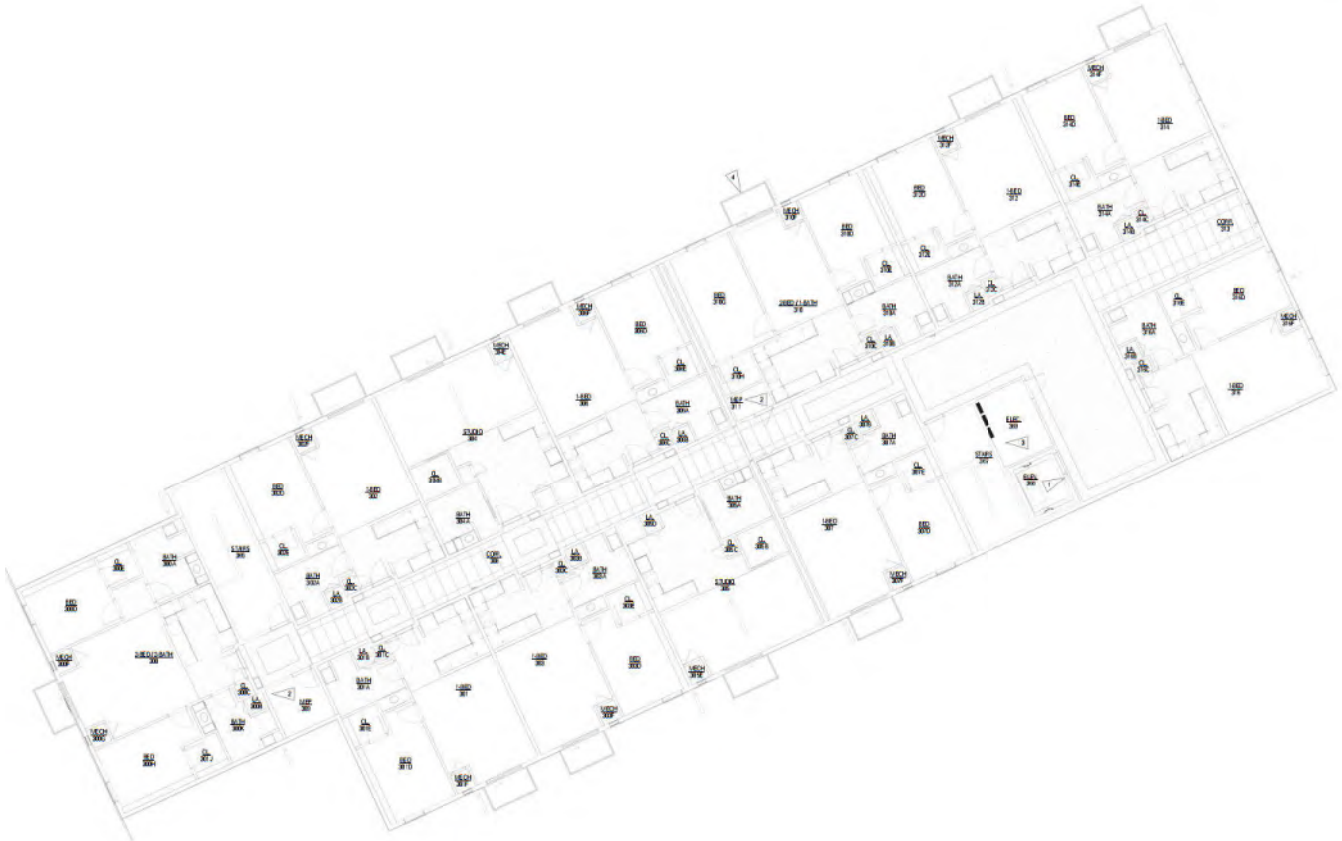
FP105

FLAG NOTES

1. PROVIDE COVERAGE AT TOP AND BOTTOM OF SHAFT AS REQUIRED BY CODES.
2. WET AND DRY PIPING UP IN CORNER OF MECHANICAL ROOM TO SECOND FLOOR, THIRD FLOOR, AND ATTIC ZONES.
3. FIRE MAIN PIPING SHALL NOT BE ROUTED THROUGH ELECTRICAL, ELEVATOR EQUIPMENT, OR ELECTRIC SPACES, TYPICAL.
4. PROVIDE FIRE SPRINKLER COVERAGE FOR EXTERIOR BALCONIES AS REQUIRED, TYPICAL.



KEY PLAN
1" = 80'-0"



THIRD FLOOR PLAN - AREA A - FIRE PROTECTION 1
1/8" = 1'-0"
0' 2' 4' 8' 12' 16' 20'

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THIRD FLOOR PLAN - AREA A - FIRE PROTECTION

FP106

MECHANICAL SYMBOLS

PLUMBING

SYMBOL	DESCRIPTION
	EXISTING SANITARY DRAIN (ABOVE FLOOR)
	EXISTING SANITARY SEWER (BELOW FLOOR)
S	EXISTING STORM DRAIN (ABOVE FLOOR)
S	EXISTING STORM DRAIN (BELOW FLOOR)
SS	EXISTING SUB SOIL DRAIN
A/W	EXISTING ACID WASTE (ABOVE FLOOR)
A/W	EXISTING ACID WASTE (BELOW FLOOR)
	NEW SANITARY DRAIN (ABOVE FLOOR)
	NEW SANITARY SEWER (BELOW FLOOR)
S	NEW STORM DRAIN (ABOVE FLOOR)
S	NEW STORM DRAIN (BELOW FLOOR)
OF	NEW OVERFLOW STORM DRAIN (ABOVE FLOOR)
OF	NEW OVERFLOW STORM DRAIN (BELOW FLOOR)
SS	NEW SUB SOIL DRAIN
A/W	NEW ACID WASTE (ABOVE FLOOR)
A/W	NEW ACID WASTE (BELOW FLOOR)
AV	ACID VENT

SYMBOL	DESCRIPTION
V	VENT
CW	COLD WATER (DW)
HW	HOT WATER (HW)
HWC	HOT WATER CIRCULATING (HWC)
140°	HOT WATER 140°
140°C	HOT WATER CIRCULATING 140°
SAN	SITE SANITARY SEWER
SD	SITE STORM SEWER
W	SITE WATER PIPING
G	GAS
CW	COLD SOFT WATER
SW	SOFT WATER
SWC	HOT SOFT WATER RECIRCULATING
A	COMPRESSED AIR
V	VACUUM BREAKER
	GAS COCK
	RUNNING TRAP

SYMBOL	DESCRIPTION
CO	CLEAN OUT
	GRADE CLEAN OUT
	DOUBLE GRADE CLEAN OUT
H	HOSE BIBB
WH	WALL HYDRANT (NON-FREEZE TYPE)
WH	YARD HYDRANT
BP	BACK FLOW PREVENTER
FD	FLOOR DRAIN SIDE-TYPE
FD	FLOOR SINK SUB-TYPE
RD	ROOF DRAIN SIDE-TYPE
	DOWN SPOUT NOZZLE
	MANHOLE
VTR	VENT THROUGH ROOF OR RISER
1	PLUMBING RISER NUMBER
SH	SHOWER

HEATING - VENTILATING - AIR-CONDITIONING

SYMBOL	DESCRIPTION
CHW	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
PC	CONDENSATE OR BOILER FEED PUMP DISCHARGE
CS	CONDENSER WATER SUPPLY FROM TOWER
CR	CONDENSER WATER RETURN TO TOWER
CD	COIL OR EQUIPMENT DRAIN
GS	GLYCOL SUPPLY
GR	GLYCOL RETURN
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
G	NATURAL GAS
HPSS	HEAT PUMP WATER SUPPLY
HPSR	HEAT PUMP WATER RETURN
HPR	HIGH PRESSURE CONDENSATE RETURN
HPS	HIGH PRESSURE STEAM
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
LPR	LOW PRESSURE CONDENSATE RETURN
LPS	LOW PRESSURE STEAM
MPR	MEDIUM PRESSURE CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RD	REFRIGERANT HOT GAS DISCHARGE
B.D.D.	BACK-DRAFT DAMPER (LOUVER BLANKED)

SYMBOL	DESCRIPTION
	AUTOMATIC CONTROL VALVE, 2-WAY
	AUTOMATIC CONTROL VALVE, 3-WAY
P	PRESSURE REGULATING VALVE (PRV)
	PIPE IN SLEEVE
	VALVE IN VERTICAL PIPE
	P. AND T. TRAP CAP (SLUGGER)
	BUCKET TRAP CAP (SLUGGER)
SD	AIR QUALITY SENSOR
	ADJUST AT
CO2	CO2 SENSOR
H	HUMIDISTAT
T	REMOTE SENSOR
T	THERMOSTAT
T H	THERMOSTAT WITH REMOTE SENSOR
	SOLENOID VALVE (REFRIG)
	THERMOSTATIC EXPANSION VALVE (REFRIG)
	SIGHT GLASS
V	MANUAL AIR VENT
P T	PRESSURE OR TEMPERATURE MEASURING POINTS
PS	FLOW SWITCH
	HEATING RISER
AD	ACCESS DOOR - SIZE AS SHOWN OR PER SPEC
	EXPANSION LOOP, WIDTH AND LENGTH
RT-2 WBH	BREAKER TYPE (SHADED AREA INDICATES CARGET FIBER ELEMENT LOCATION)
	NEW TO EXISTING CONNECTION
	POINT OF DISCONNECT

SYMBOL	DESCRIPTION
SIDE TYPE CRI	SUPPLY REGISTER OR GRILLE
SIDE TYPE CRI	RETURN/REGISTER OR GRILLE
X X X	TYP OF FUSER — NECK SIZE, WARE CRI
X X X	TYP DIAMUSTRED URN GRILLE — NECK SIZE, WARE CRI

PIPING

SYMBOL	DESCRIPTION
	TEE
	ELBOW
	UNION
	STRAINER WITH BLOW-OFF VALVE
	BALANCING VALVE
	ISOLATION VALVE (BALL OR BUTTERFLY)
	PRESSURE RELIEF VALVE
	ELBOW UP
	ELBOW DOWN

SYMBOL	DESCRIPTION
	GLOBE VALVE
	PRESS/TEMP TEST PORT
	GATE VALVE
	CHECK VALVE (ARROW INDICATES FLOW)
	FLEXIBLE PIPING
	AUTOMATIC AIR VENT
	MANUAL AIR VENT WITH ISOLATION VALVE

SYMBOL	DESCRIPTION
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	PRESSURE GAUGE WITH GAUGE COCK
	THERMOMETER, SIDE READ
	THERMOMETER, BOTTOM READ
	ARROW INDICATES FLOW DIRECTION
	ARROW INDICATES DOWN WARD PIPE PITCH
W	WATER METER

FIRE PROTECTION

SYMBOL	DESCRIPTION
F	FIRE LINE
SM	SPRINKLER MAIN
CA	CLEAN AGENT
	SPRINKLER BRANCH AND HEADS
	RECESSED PENDANT SPRINKLER
	CONCEALED PENDANT SPRINKLER
	UPRIGHT SPRINKLER
	DRY PENDANT SPRINKLER
	HORIZONTAL SIDEWALL SPRINKLER
	DRY HORIZONTAL SIDEWALL SPRINKLER
	PREACTION HEAT DETECTOR
	PREACTION PULL STATION
	PREACTION ALARM BELL
	PREACTION TROUBLE STROBE
	DELUGE VALVE FOR PREACTION SYSTEM

SYMBOL	DESCRIPTION
FA	PREACTION RELEASING PANEL
	CEILING CLEAN AGENT NOZZLE
	SUB-FLOOR CLEAN AGENT NOZZLE
	CEILING DETECTOR
	SUB-FLOOR DETECTOR
	CLEAN AGENT ALARM BELL
	CLEAN AGENT HORN WITH STROBE
	ELECTRIC PULL STATION
	ABORT PULL STATION
	CLEAN AGENT PRESSURE SWITCH
	WARNING LIGHT
CAP	CLEAN AGENT PANEL
	FIRE HYDRANT
	ALARM BELL
	ALARM STROBE

SYMBOL	DESCRIPTION
	FIRE DEPARTMENT HOSE VALVE
	FLUSH FIRE PUMP TEST HEADER
	FREESTANDING FIRE PUMP TEST HEADER
	FREESTANDING FIRE DEPARTMENT CONNECTION
	FLUSH FIRE DEPARTMENT CONNECTION
	FIRE DEPARTMENT CONNECTION
FHC	FIRE HOSE CABINET
FVC	FIRE HOSE VALVE CABINET
PIV	POST INDICATOR VALVE
	ISOLATION VALVE WITH TAMPER SWITCH
	ALARM CHECK VALVE
	DRY PIPE VALVE
FS	FLOW SWITCH
	WATER FLOW SWITCH

SYMBOLS INDICATED HERE AND NOT USED IN THE CONTRACT DOCUMENT DO NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS AND ABBREVIATIONS MAY BE INDICATED IN THE CONTRACT DOCUMENTS.

FIRE PROTECTION GENERAL NOTES:

1. COORDINATE LOCATION OF FIRE SPRINKLER PIPING AND HEADS WITH ALL TRADES PRIOR TO INSTALLATION OF SHOP DRAWINGS AND HYDRAULIC CALCULATIONS.
2. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF ALL CEILING MOUNTED DEVICES.
3. DO NOT RUN FIRE SPRINKLER PIPING ABOVE ELECTRICAL PANELS OR IN CODE REQUIRED CLEARANCE SPACES. COORDINATE WITH ELECTRICAL AND MECHANICAL CONTRACTOR.
4. SEE SPECIFICATIONS FOR FIRE SPRINKLER HEAD TYPES AND COLORS.
5. ALL WORK SHALL COMPLY WITH NFPA AND THE LOCAL AUTHORITIES HAVING JURISDICTION, AND OWNER'S INSURANCE CARRIER.
6. DIELECTRIC COUPLERS OR FLANGE INSULATION KITS SHALL BE UTILIZED FOR ALL DISSIMILAR PIPE CONNECTIONS. DIELECTRIC UNIONS WILL NOT BE ACCEPTED.
7. SPRINKLER CONTRACTOR SHALL PERFORM FIRE HYDRANT FLOW TESTING AT THE PROJECT SITE PRIOR TO HYDRAULIC DESIGN OF THE SYSTEM IN ORDER TO DETERMINE THE CURRENT AVAILABLE WATER PRESSURE AND FLOW AT THE SITE HYDRAULIC CALCULATIONS AND SYSTEM DESIGN SHALL BE BASED ON THE ACTUAL FLOW TEST DATA OBTAINED BY THE SPRINKLER CONTRACTOR.
8. IN-LAY-IN CEILINGS CENTER SPRINKLERS IN TWO DIRECTIONS INCEILING TILE AND PROVIDE PIPING OF RISER AS REQUIRED, IN OTHER CEILING TYPES, SPRINKLERS SHOULD NOT BE CLOSER THAN 6" TO AIR INLETS, OUTLETS, AND/OR LIGHT FIXTURES.

KITCHEN GENERAL NOTES:

1. REFER TO FOOD SERVICE PLANS FOR ROUGH-IN LOCATIONS.
2. MECHANICAL SUBCONTRACTOR SHALL FURNISH AND INSTALL SHUT-OFF VALVES FOR HOT WATER SUPPLY AT ALL EQUIPMENT ITEMS.
3. ALL INTERCONNECTING REFRIGERATION PIPING AND INSULATION FOR WALK-IN COOLER/FREEZER SHALL BE FURNISHED AND INSTALLED BY FOOD SERVICE EQUIPMENT SUBCONTRACTOR.
4. KITCHEN EQUIPMENT FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR. PLUMBING CONTRACTOR TO ROUGH-IN AND MAKE FINAL CONNECTIONS TO ALL UTILITIES REQUIRED AND PROVIDE ALL PIPING, STOPS, VACUUM BREAKERS, WATER HAMMER ARRESTERS, PRESSURE REDUCING VALVES, TRAPS AND ALL FITTINGS NECESSARY FOR EQUIPMENT TO BE INSTALLED AND OPERATING UNDER COORDINATE WITH KITCHEN EQUIPMENT CONTRACTOR AND SEE KITCHEN DRAWINGS.
5. ALL BELOW FLOOR SANITARY PIPING SHALL BE CAST IRON PIPE.
6. CUT FLOOR SINK GRATES AS REQUIRED TO ACCEPT INDIRECT WASTE.
7. COORDINATE ELEVATIONS OF ALL FLOOR DRAINS IN KITCHEN AT THAT CHIN SUPPLIER, GENERAL CONTRACTOR, AND CITY/COUNTY HEALTH INSPECTOR.
8. COORDINATE FINISHED FLOOR ELEVATIONS TO SET FLOOR DRAINS AND FLOOR SINKS.
9. ALL EXPOSED WATER PIPING TO FIXTURES AND KITCHEN EQUIPMENT TO BE CHROME PLATED.
10. PLUMBING CONTRACTOR TO PROVIDE ALL PIPING AND FITTINGS FOR CONNECTING INDIRECT WASTE FROM EQUIPMENT DRAINS TO FLOOR SINKS.

HVAC GENERAL NOTES:

1. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR DIFFUSER, REGISTER, GRILLE, AND CEILING MOUNTED DEVICE LOCATIONS.
2. DO NOT RUN DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR IN CODE REQUIRED CLEARANCE SPACES. COORDINATE ALL ROUTING WORK WITH ALL TRADES. DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW ALL OFFSETS REQUIRED FOR COMPLETE SYSTEM.
3. CONTRACTOR SHALL COORDINATE LOCATION OF DUCTWORK INCEILING SPACE WITH ALL TRADES PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK.
4. FOR GENERAL DUCTWORK CONSTRUCTION, SEE DUCT FITTING DETAILS 1 SERIES.
5. PROVIDE VOLUME DAMPER IN ALL BRANCH TAKEOFFS CONNECTING TO DIFFUSERS, REGISTERS, OR GRILLES AND IN LOCATIONS INDICATED.
6. PROVIDE CLEARANCES TO ALL EQUIPMENT AS REQUIRED BY MANUFACTURER'S INSTALLATION AND OPERATION REQUIREMENTS AND/OR BY CODE.
7. INSTALL ALL DUCT AND PIPING IN MECHANICAL ROOMS AS HIGH AS POSSIBLE. PROVIDE THE MINIMUM HEADROOM CLEARANCES AS REQUIRED BY CODE.
8. COORDINATE LOCATIONS OF ALL EQUIPMENT HOUSEKEEPING PADS WITH GENERAL CONTRACTOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF EQUIPMENT HOUSEKEEPING PADS.
9. DUCTWORK SHALL NOT BE FABRICATED UNTIL ALL COORDINATION CONFLICTS HAVE BEEN RESOLVED.
10. CAPENDS OF ALL INSTALLED DUCTWORK DURING CONSTRUCTION TO MINIMIZE DIRT, DEBRIS, AND FOREIGN OBJECTS FROM ENTERING THE DUCT SYSTEM.
11. COORDINATE LOCATION OF DUCTWORK WITH ELECTRICAL CABLE TRAYS.
12. ALL INSULATION SHALL MEET THE ENERGY CODE'S INSTALLED R-VALUE REQUIREMENTS.
13. ALL DUCTWORK TO BE ROUTED BELOW RATED CONSTRUCTION AND ABOVE FINISHED CEILINGS WHERE POSSIBLE. PROVIDE FIRE DAMPERS AND ACCESS DOORS AT PENETRATION OF RATED CONSTRUCTION AS NECESSARY FOR ROUTING DUCTWORK UP INTO AND WITHIN RATED CONSTRUCTION. REFER TO ARCHITECTURAL PLANS.

PIPING GENERAL NOTES:

1. SEE AND ROUTE REFRIGERANT PIPING PER MANUFACTURERS RECOMMENDATIONS. SECURE AND RACK ALL REFRIGERANT PIPING NEATLY ALONG EXTERIOR OR INTERIOR WALLS, SEAL ALL PIPE PENETRATIONS WATER TIGHT.
2. DO NOT RUN PIPING ABOVE ELECTRICAL PANELS OR IN CODE REQUIRED CLEARANCE SPACES. COORDINATE ALL ROUTING WORK WITH ALL TRADES.
3. DO NOT RUN PIPING ABOVE OR THROUGH INFORMATION TECHNOLOGY DATA CLOSETS, IDF, AND MDF ROOMS. COORDINATE ALL ROUTING WITH ALL OTHER TRADES.
4. ROUTE ALL HORIZONTAL HVAC PIPING IN MECHANICAL ROOMS AT A MINIMUM OF 7'-10" ABOVE FINISHED FLOOR.
5. DIELECTRIC COUPLERS OR FLANGE INSULATION KITS SHALL BE UTILIZED FOR ALL DISSIMILAR PIPE CONNECTIONS. DIELECTRIC UNIONS WILL NOT BE ACCEPTED.
6. INSTALL AND ROUTE ALL FUEL GAS PIPING AS REQUIRED BY CODE.
7. TERMINATE ALL NATURAL GAS FLUE VENTS A MINIMUM OF 2'-0" HIGHER THAN ANY SURFACE OF EQUIPMENT WITHIN 10'-0" OR AS REQUIRED BY CODE.
8. PROVIDE GAS PRESSURE REGULATORS ON ALL GAS FIRED EQUIPMENT, INCLUDING REGULATOR VENT PIPING, SHUT-OFF VALVE, DIRT LEG, AND UNION. REGULATE GAS PRESSURE AS REQUIRED FOR EACH SPECIFIC PIECE OF GAS FIRED EQUIPMENT AND PER MANUFACTURER'S RECOMMENDATIONS. LOCATE REGULATORS INSIDE BUILDING FOR ALL EQUIPMENT.

PLUMBING GENERAL NOTES:

1. DO NOT RUN PIPING ABOVE ELECTRICAL PANEL OR IN CODE REQUIRED CLEARANCE SPACES. COORDINATE ALL ROUTES WITH ALL TRADES PRIOR TO INSTALLATION.
2. DO NOT RUN PLUMBING, PIPING, AND DUCTWORK ABOVE OR THROUGH INFORMATION TECHNOLOGY DATA CLOSETS, IDF, AND MDF ROOMS. COORDINATE ALL ROUTING WITH ALL OTHER TRADES.
3. DRAWINGS, PLANS, SCHEMATICS, AND DIAGRAMS INDICATE THE GENERAL LOCATIONS AND THE ARRANGEMENT OF SYSTEMS. WHERE IS PRACTICAL, INSTALL SYSTEMS AS INDICATED. PROVIDE OFFSETS AND ELEVATION CHANGES TO PLUMBING, PIPING, AND DUCTWORK AS REQUIRED TO CONFORM TO THE LAYOUT AND COORDINATION PROCESS AS WELL AS MEET ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.
4. SEE WASTE AND VENT RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES.
5. SEE WATER RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES.
6. SEE SPECIFICATIONS OR PLUMBING FIXTURE SCHEDULE FOR CONNECTION SIZES TO ALL PLUMBING FIXTURES.
7. LOCATE PLUMBING VENTS THROUGH THE ROOF AT A MINIMUM OF 10'-0" AWAY FROM ALL OUTDOOR AIR INTAKES ON HVAC EQUIPMENT OR OPERABLE WINDOWS.
8. PROVIDE IN ALL AND FLOOR MOUNTED SEWER CLEANOUTS AS REQUIRED BY CODE AND AS INDICATED. COORDINATE LOCATION IN FIELD.
9. DO NOT ROUTE PLUMBING BRANCHES OF WARE WITHIN SPACE REQUIRED TO SERVICE ALL HVAC EQUIPMENT ABOVE CEILINGS.
10. REFER TO FOOD SERVICE PLAN FOR ROUGH-IN SIZES AND LOCATIONS.
11. FURNISH AND INSTALL SHUT-OFF VALVES FOR WATER SUPPLY AT ALL EQUIPMENT ITEMS.
12. COORDINATE FINISH FLOOR ELEVATIONS TO SET FLOOR DRAINS AND FLOOR SINKS.
13. SAW CUT AND REMOVE FLOOR AS REQUIRED FOR INSTALLATION OF NEW PIPING.
14. WALL HYDRANTS SHALL BE INSTALLED BETWEEN 18" AND 24" ABOVE FINISHED GRADE. PROVIDE ACCESSIBLE SHUT-OFF VALVE LOCATED AND/OR FOR EACH WALL HYDRANT.
15. PIPING INSIDE FLOOR BUILDING WALLS SHALL BE LOCATED ON THE WARM SIDE OF BUILDING INSULATION AND VAPOR BARRIER. BUILDING INSULATION SHALL RUN CONTINUOUS BETWEEN PIPING AND EXTERIOR OF BUILDING.
16. PVC PIPING SHALL NOT BE INSTALLED IN RETURN AIR PLENUMS.

ABBREVIATIONS

A	AMP	C	CONDUIT	DWG	DRAWING	FO	FIBER OPTIC	IP	INTERNET PROTOCOL	MUTOA	MULTI-USER TELECOMMUNICATIONS OUTLET ASSEMBLY
ACEG	ALTERNATING CURRENT AC EQUIPMENT GROUND	CAB	CABINET	DX	DIRECT EXPANSION	FOV	FIELD OF VIEW	IDF	INSIDE PLANT JUNCTION BOX	MUTOA	MULTI-USER TELECOMMUNICATIONS OUTLET ASSEMBLY
AFF	ABOVE FINISHED FLOOR	CATV	CABLE TELEVISION	EA	EXHAUST AIR	FP	FIRE PUMP	JBOX	THOUSAND CIRCULAR MILS	MUTOA	MULTI-USER TELECOMMUNICATIONS OUTLET ASSEMBLY
AHJ	AUTHORITY HAVING JURISDICTION	CB	CIRCUIT BREAKER	EAC	ELECTRONIC ACCESS CONTROL	FT	FEET	KCMIL	KILOVOLT	NC	NORMALLY CLOSED
AL	ALUMINUM	CCTV	CLOSED CIRCUIT TELEVISION	EC	ELECTRICAL CONTRACTOR	FUR	FURNISHED	KV	KILOVOLT AMPERE	NEC	NATIONAL ELECTRICAL CODE
APPROX	APPROXIMATELY	CFH	CUBIC FEET PER HOUR	EHC	ELECTRIC HEATING COIL	FW	FILTERED WATER	KVA	KILOWATT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS	CFM	CUBIC FEET PER MINUTE	EL	ELEVATION	G	GAS	KW	KILOWATT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
		CKT	CIRCUIT	ELEC	ELECTRICAL	GA	GAGE	LAN	LOCAL AREA NETWORK	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
		CL	CENTER LINE	EMD	EMPHASIS DOWNWARD BOARD	GALV	GALVANIZED	LSM	LATCH SELF MONITOR	PSIN	POUNDS PER SQUARE INCH
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	CLEC	COMPETITIVE LOCAL EXCHANGE CARRIER	EM	ELECTROMAGNETIC INTERFERENCE	GC	GENERAL CONTRACTOR	LBS	POUNDS	PSTN	PUBLIC SWITCHED TELEPHONE NETWORK
		CLG	CEILING	EMS	ENERGY MANAGEMENT SYSTEM	GEC	GROUNDING ELECTRODE CONDUCTOR	LEC	LOCAL EXCHANGE BRANCH	PTAC	PACKAGED TERMINAL AIR CONDITIONER
ASTM	STANDARD SPECIFICATIONS OF THE AMERICAN SOCIETY FOR TESTING MATERIALS	CLR	CLEAR	EMT	ELECTRICAL METALLIC TUBING	GEN	GENERATOR	LTG	LIGHTING	PVC	POLYVINYL CHLORIDE
		CM	COMMUNICATIONS CABLE	EQ	ECONOMIZER OUTDOOR AIR	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	MA	MAKEUP AIR	PWR	POWER
		CMP	COMMUNICATIONS PLENUM CABLE	EQUIP	EMERGENCY HOUSE OFF	GND	GROUND	MATV	MASTER ANTENNA TELEVISION	RA	RETURN AIR
ATS	AUTOMATIC TRANSFER SWITCH	CMR	COMMUNICATIONS RISER CABLE	ER	EQUIPMENT ROOM	GPM	GALLONS PER MINUTE	MAU	MAKEUP AIR UNIT	REQD	REQUIRED
AUX	AUXILIARY	CO OSP	CUSTOMER OWNED OUTSIDE PLANT	ES	EMERGENCY SHOWER	HGT	HEIGHT	MAX	MAXIMUM	RGS	RIGID GALVANIZED STEEL
AV	AUDIO/VISUAL, AUDIO/VISUAL	COAX	COAXIAL CABLE	EWH	EXHAUST	HH	HANDHOLE	MBH	1000 BTU/HOUR	RH	RELATIVE HUMIDITY
AWG	AVERAGE	CPVC	CHLORINATED POLYVINYL CHLORIDE	EXIST	EXISTING	HP	HORSEPOWER, HEAT PUMP	MC	MECHANICAL CONNECT	SCA	SEISMIC AIR
AW	AUTOMATIC VEHICLE IDENTIFICATION	CPAC	COMPUTER ROOM AIR CONDITIONER	F	FIRE WATER	HTG	HEATING	MCB	MAINCIRCUIT BREAKER	SPE	OWNER PROVIDED ELECTRONICS
AW	ACID WASTE	CT	CABLE TRAY	FA	FIRE ALARM	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	MDF	MAIN DISTRIBUTION FRAME	SR	OPERATION ROOM
AWG	AMERICAN WIRE GAUGE	CV	CONSTANT VOLUME	FAAP	FIRE ALARM ANNUNCIATOR PANEL	HW	HOT WATER	MECH	MECHANICAL	SSP	OUTSIDE PLANT
BAS	BUILDING AUTOMATION SYSTEM	DAS	DISTRIBUTED ANTENNA SYSTEM	FACP	FIRE ALARM CONTROL PANEL	HWC	HOT WATER CIRCULATING	MERV	MINIMUM EFFICIENCY REPORTING VALUE	PABX	PRIVATE AUTOMATIC BRANCH EXCHANGE
BAS	BUILDING AUTOMATION SYSTEM	DB	DOUBLE DUCT	FB	FLOOR BOX	HZ	HERTZ	MIN	MINIMUM	PE	PULLBOX
BDF	BACK FLOW PREVENTER	DD	DIAMETER	FDC	FIRE DEPARTMENT CONNECTION	IC	INTERCOM	MISC	MISCELLANEOUS	PKG	PROVIDED BY OTHERS
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL	DIDC	DISCONNECT	FHC	FIRE HOSE CABINET	IDC	INSULATION DISPLACEMENT CONNECTOR	MLO	MAINLUGS ONLY	PBX	PRIVATE BRANCH EXCHANGE
BLDG	BUILDING	DIST	DISTRIBUTION	FL	FLOOR	IMC	INTERMEDIATE METAL CONDUIT	MM	MULTIMODE	POU	POWER DISTRIBUTION UNIT
BTC	BONDING CONDUCTOR FOR TELECOMMUNICATION	DN	DOWN	FLA	FULL LOAD AMPS	INFR	INFRARED	MOA	MINIMUM OUTDOOR AIR	PPTP	PERPENDICULAR
BTU	BRITISH THERMAL UNIT	DP	DEMARCATION POINT	FM	FACTORY MUTUAL ENGINEERING CORPORATION	IOF	INTERMEDIATE DISTRIBUTION FRAME	MPOE	MAIN POINT OF ENTRANCE	PC	PLASTIC INSULATED CABLE
BTU	BRITISH THERMAL UNIT	DPS	DOOR POSITION SWITCH	IDS	INTRUSION DETECTION SYSTEM	MTD	MOUNTED	PIV	POST INDICATOR VALVE
BTUH	BRITISH THERMAL UNIT PER HOUR	DVR	DIGITAL VIDEO RECORDER	IE	INVERT ELEVATION	MTG	MOUNTING	PLMG	PLUMBING

PNL	PANEL	SM	SPRINKLER MAIN, SINGLE MODE	TR	TELECOMMUNICATIONS ROOM
POE	POWER OVER ETHERNET	SMDMA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION	TTB	TELEPHONE TERMINAL BOARD
POP	POINT OF PRESENCE	SPD	SURGE PROTECTIVE DEVICE	TV	TELEVISION
PP	PATCH PANEL	SPECS	SPECIFICATIONS	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
PRV	PRESSURE REGULATING VALVE	SS	STAINLESS STEEL	TYP	TYPICAL
PS	PLASTER SINK	SSD	SUB SOLDOWN	UG	UNDERGROUND
PSF	POUNDS PER SQUARE FOOT	STD	STANDARD	UL	UNDERWRITERS LABORATORY
PSI	POUNDS PER SQUARE INCH	SW	SWITCH	UNO	UNLESS NOTED OTHERWISE
PSTN	PUBLIC SWITCHED TELEPHONE NETWORK	SWBD	SWITCHBOARD	UPS	UNINTERRUPTIBLE POWER SUPPLY
PTAC	PACKAGED TERMINAL AIR CONDITIONER	SWGR	SWITCHGEAR	US	UNDERSOIL
PVC	POLYVINYL CHLORIDE	T	TRANSFORMER	UTP	UNSHIELDED TWISTED PAIR
PWR	POWER	TBB	TELECOMMUNICATIONS BONDING BACKBONE	V	VOLT, VENT
RA	RETURN AIR	TBBIBC	TELECOMMUNICATIONS BONDING INTERSYSTEM BONDING CONNECTOR	VD	VOLUME DAMPER
REQD	REQUIRED	TBE	TELECOMMUNICATIONS BONDING EQUIPMENT	VERT	VERTICAL
RGS	RIGID GALVANIZED STEEL	TC	TELECOMMUNICATIONS CLOSET	VFC	VARIABLE FREQUENCY CONTROL
RH	RELATIVE HUMIDITY	TEL	TELEPHONE	VOIP	VOICE OVER INTERNET PROTOCOL
RLA	RELAY AIR	TELECOM	TELECOMMUNICATIONS	VTR	VENT THROUGH ROOF
RM	ROOM	TEMP	TEMPERATURE	W	WATER, WATT
RO	REVERSE OSMOSIS WATER	TGB	TELECOMMUNICATIONS GROUNDING BUSBAR	WAH	WIDE AREA NETWORK
RPWP	REDUCED PRESSURE BACKFLOW PREVENTER	TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR	WAP	WIRELESS ACCESS POINT
RQE	REQUEST TO EXIT			WG	WATER GAUGE
SA	SUPPLY AIR, SOUND ATTENUATOR			WMP	WIRE MANAGEMENT PANEL
SAN	SANITARY			WH	WALL HEATER
SCH	SCHEDULE			WHP	WATER SOURCE HEAT PUMP
SCP	SCREENED TWISTED PAIR			WTH	WIRE THREADED HINGE
SCU	SOFT COLD WATER			XFMR	TRANSFORMER
SHW	SOFT HOT WATER				
(SIM)	SIMILAR				
SLAB	SEALED LEAD ACID BATTERY				

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MECHANICAL SYMBOLS AND ABBREVIATIONS

M000

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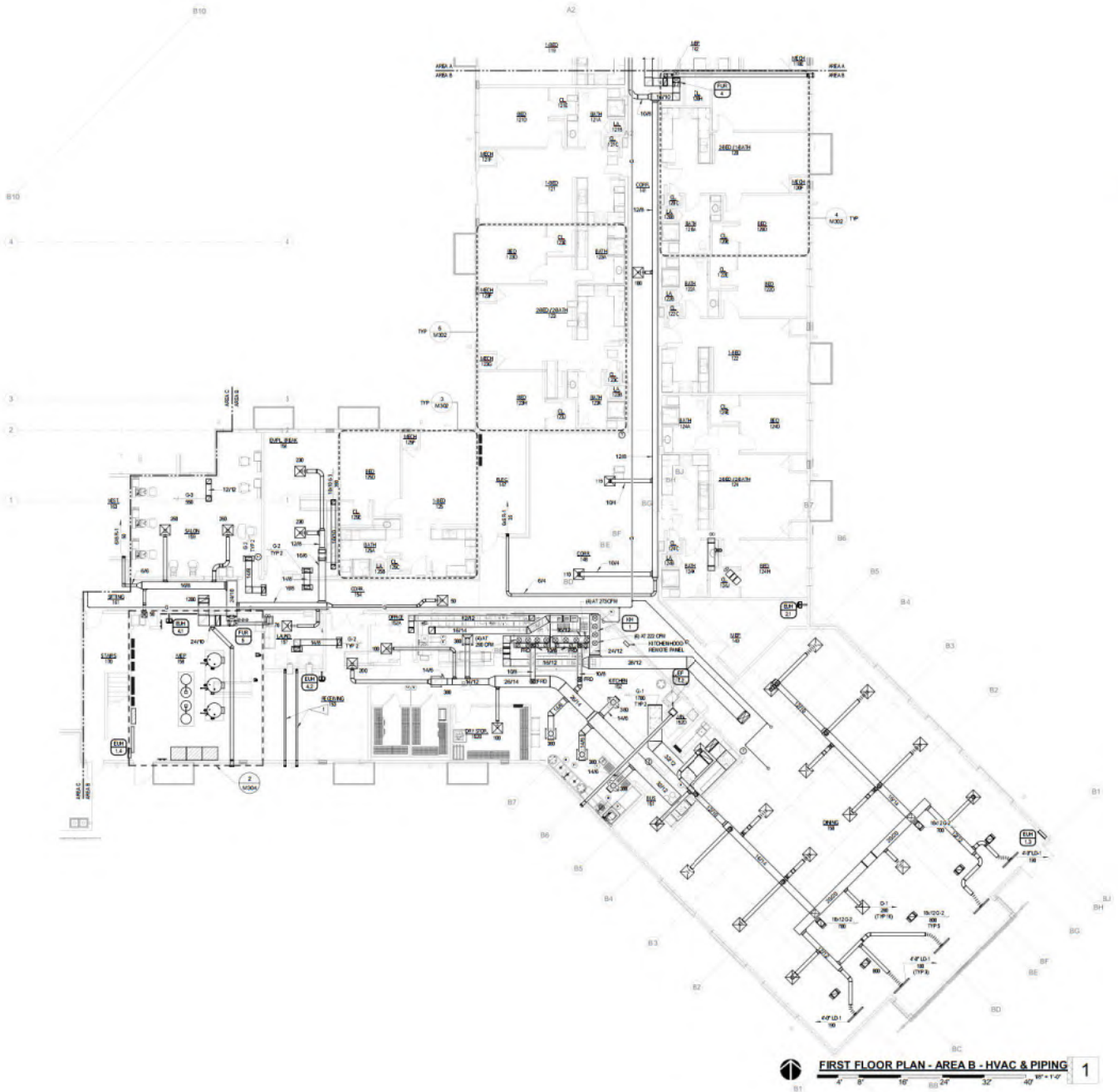
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FIRST FLOOR PLAN - AREA A - HVAC & PIPING

M101

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FIRST FLOOR PLAN - AREA B - HVAC & PIPING 1



KEY PLAN
1" = 60'-0"

FLAG NOTES

1 ROUTE 6" DIRECT DUCT AS HIGH AS POSSIBLE TO EXTERIOR TERMINATION. ROUTE DUCT BELOW RATED CONSTRUCTION AND THROUGH ALL

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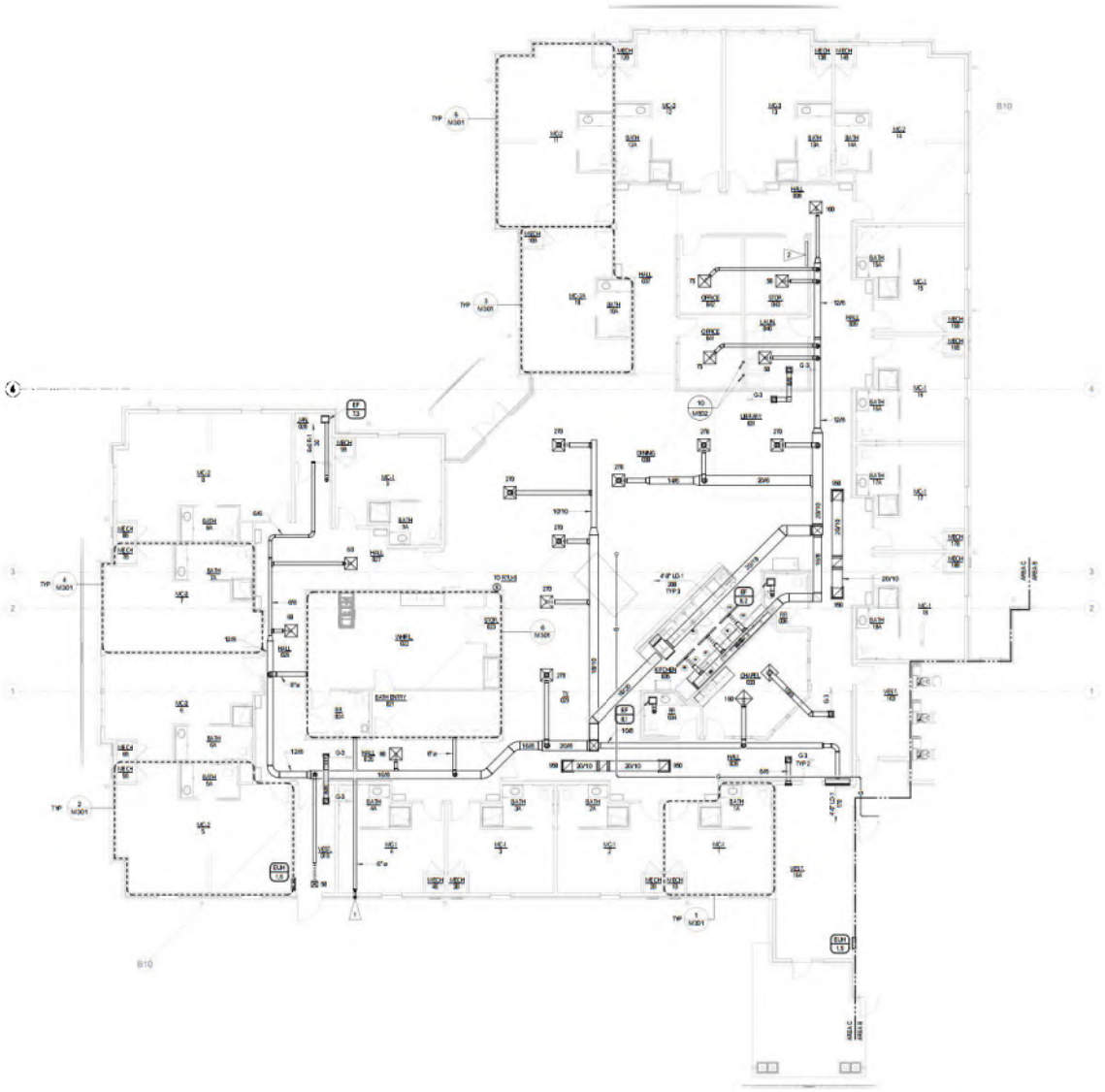
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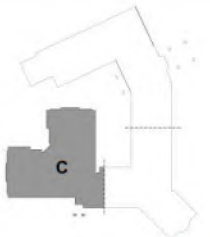
FIRST FLOOR PLAN - AREA B - HVAC & PIPING

M102



FIRST FLOOR PLAN - AREA C - HVAC & PIPING 1

1/8" = 1'-0"



KEY PLAN

1" = 80'-0"

FLAG NOTES

1. ROUTE EXHAUST AIR DUCT FROM EXHAUST FAN TO EXTERIOR TERMINATION. ROUTE DUCT BELOW RATED CONSTRUCTION AND THROUGH WALL.
2. INSTALL ALL MEMORY CARE ROOM THERMOSTATS AT LOCATION SHOWN. PROVIDE CONTROL WIRING TO INDIVIDUAL RESIDENTS ROOMS TO PROVIDE EXHAUST WITH REMOTE SETPOINT ADJUSTMENTS AND ROOM SENSOR CAPABILITY. LABEL EACH THERMOSTAT WITH UNIQUE NUMBER TO CORRESPOND TO UNIT CONTROLLED. COORDINATE FINAL LOCATION OF THERMOSTATS (CONTROLLED) WITH ARCHITECT AND OWNER.

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FIRST FLOOR PLAN - AREA C - HVAC & PIPING

M103



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SECOND FLOOR PLAN - AREA A - HVAC & PIPING

M104



SECOND FLOOR PLAN - AREA B - HVAC & PIPING 1

1/8" = 1'-0"



KEY PLAN

1" = 80'-0"

FLAG NOTES

1. ROUTE OUTSIDE AIR DUCT FROM FURNACE TO EXTERIOR TERMINATION. ROUTE DUCT BELOW RATED CONSTRUCTION AND THROUGH WALL REFER TO ELECTRIC FURNACE SCHEDULE FOR DUCT SIZE.
2. ROUTE REFRIGERANT PIPING FROM FURNACE COIL TO ASSOCIATED OUTDOOR CONDENSING UNIT ON ROOF. SECURE AND RACK ALL REFRIGERANT PIPING. SEAL PIPE PENETRATIONS WATERTIGHT.
3. WATER HEATER VENT UP TO ROOF TERMINATION AND DOWN TO EQUIPMENT. SEE 3/M306 FOR CONFIGURATION.

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SECOND FLOOR PLAN - AREA B - HVAC & PIPING

M105





KEY PLAN
1" = 80'-0"

FLAG NOTES

1. ROUTE OUTSIDE AIR DUCT FROM FURNACE TO EXTERIOR TERMINATION. ROUTE DUCT BELOW RATED CONSTRUCTION AND THROUGH WALL. REFER TO ELECTRIC FURNACE SCHEDULE FOR DUCT SIZE.
2. ROUTE REFRIGERANT PIPING FROM FURNACE COIL TO ASSOCIATED OUTDOOR CONDENSING UNIT ON ROOF. SECURE AND PACK ALL REFRIGERANT PIPING. SEAL PIPE PENETRATIONS WATERTIGHT.

THIRD FLOOR PLAN - AREA A - HVAC & PIPING 1
1/8" = 1'-0"
2' 4' 8' 12' 16' 20'

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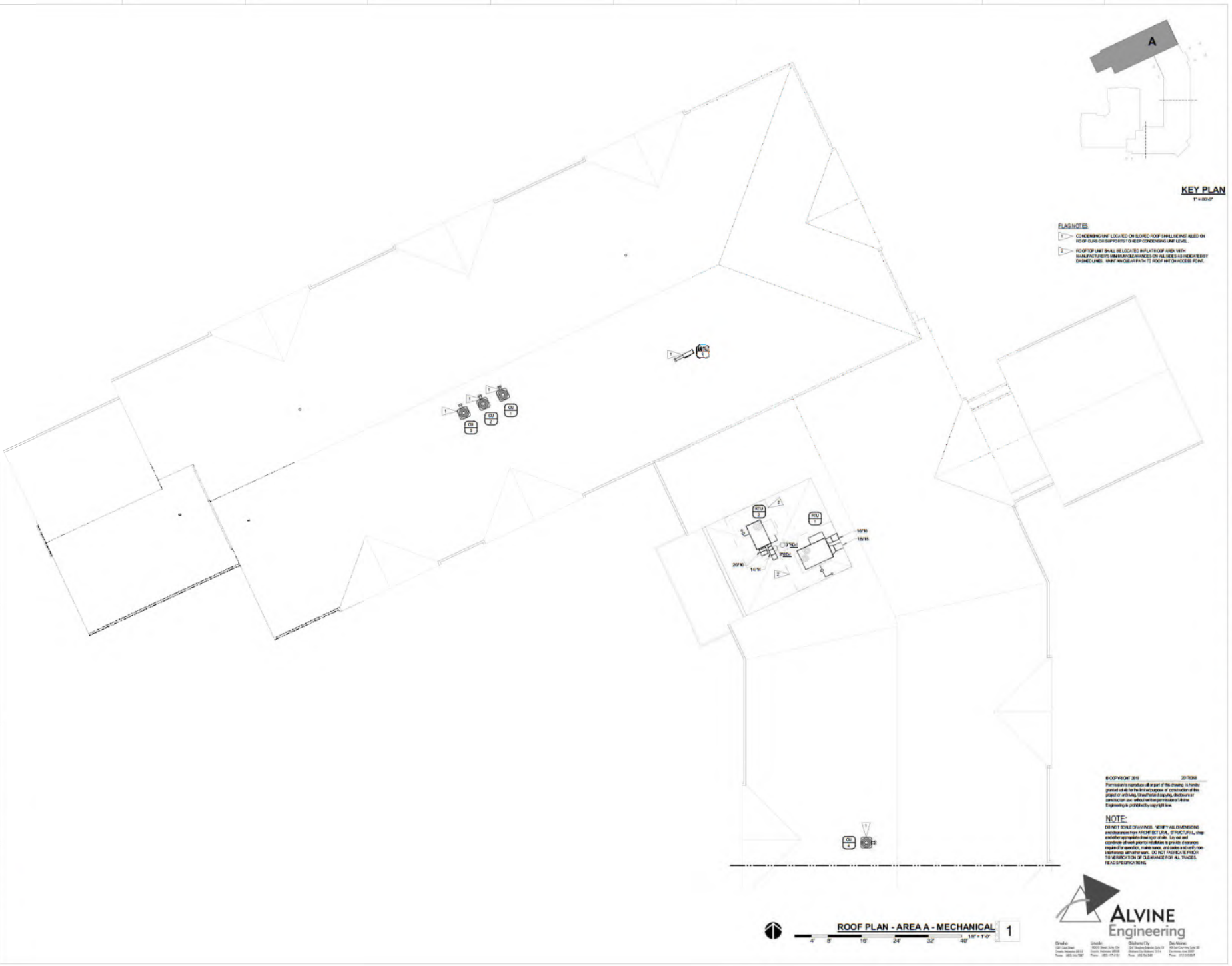
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THIRD FLOOR PLAN - AREA A - HVAC & PIPING

M106



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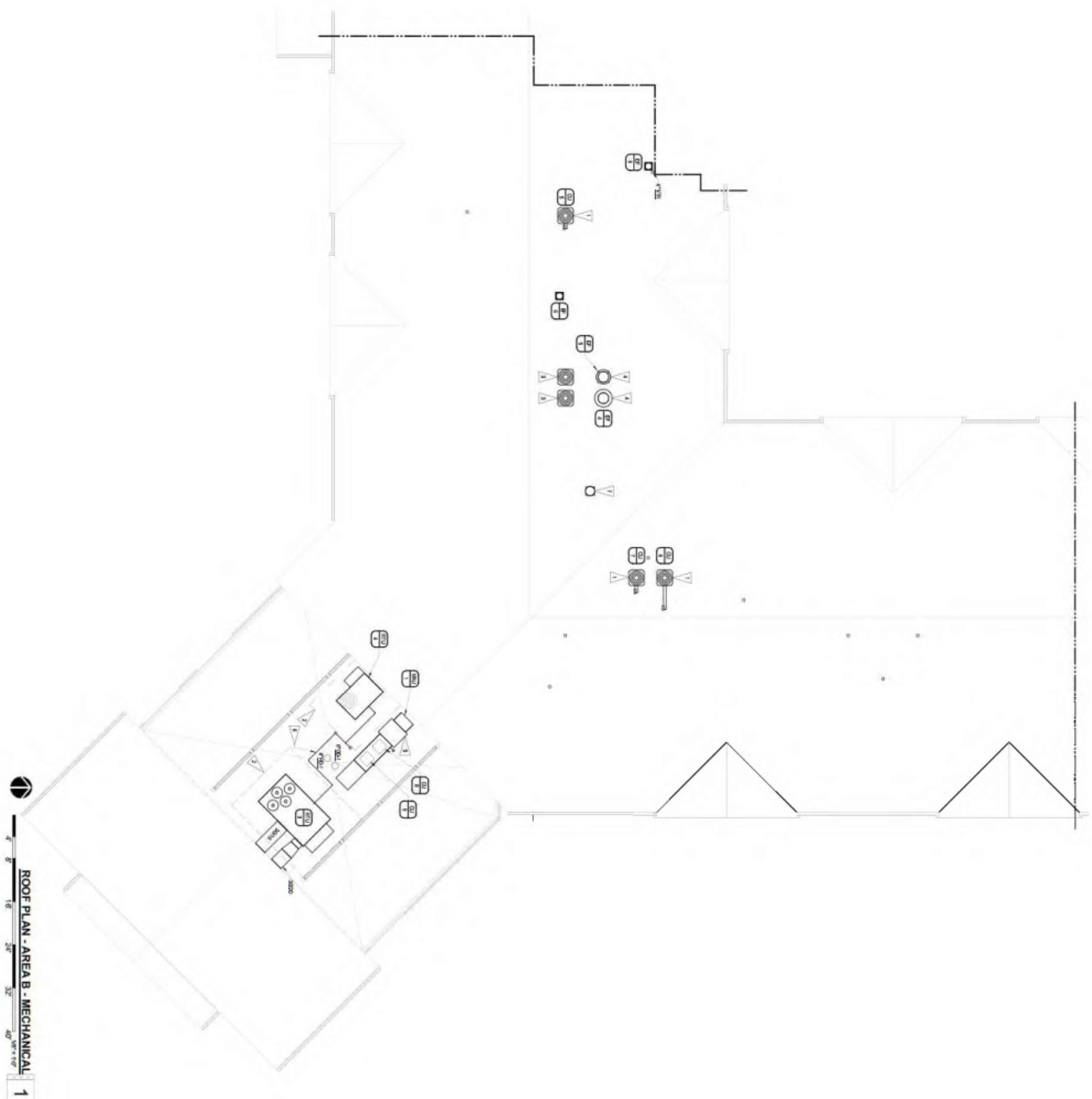
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ROOF PLAN - AREA A - MECHANICAL

M107





KEY PLAN
1" = 60'-0"

FLAGNOTES

1. CONDENSING UNIT LOCATED ON SLOPED ROOF SHALL BE INSTALLED ON ROOF CURB OR SUPPORTS TO KEEP CONDENSING UNIT LEVEL.
2. ROOF TOP UNIT SHALL BE LOCATED IN FLAT ROOF AREA WITH MANUFACTURER'S MINIMUM CLEARANCES ON ALL SIDES AS INDICATED BY DASHED LINES. MAINTAIN CLEAR PATH TO ROOF HATCH ACCESS POINT.
3. LOCATION FOR FREEZER/COOLER CONDENSING UNITS. PROVIDE EQUIPMENT RAILS COMPATIBLE WITH ROOF SLOPE. REFER TO FOOD SERVICE PLANS.
4. LOCATION FOR KITCHEN HOOD EXHAUST FAN. INSTALL ROOF CURB COMPATIBLE WITH ROOF SLOPE. EQUIPMENT PROVIDED AS PART OF FOOD SERVICE CONTRACT, INSTALLED BY MECHANICAL CONTRACTOR. INTERCONNECT FAN WITH KITCHEN HOOD CONTROLS.
5. LOCATION FOR KITCHEN HOOD MAKEUP AIR UNIT. INSTALL ON ROOF CURB. EQUIPMENT PROVIDED AS PART FOOD SERVICE CONTRACT, INSTALLED BY MECHANICAL CONTRACTOR. INTERCONNECT MAKEUP AIR UNIT WITH KITCHEN HOOD CONTROLS.
6. SEE GAS RISER [illegible] FOR SIZES, TYPICAL.
7. ROOF HOOD ACCESSORY FOR EXHAUST FAN MOUNTED ON ROOF CURB.

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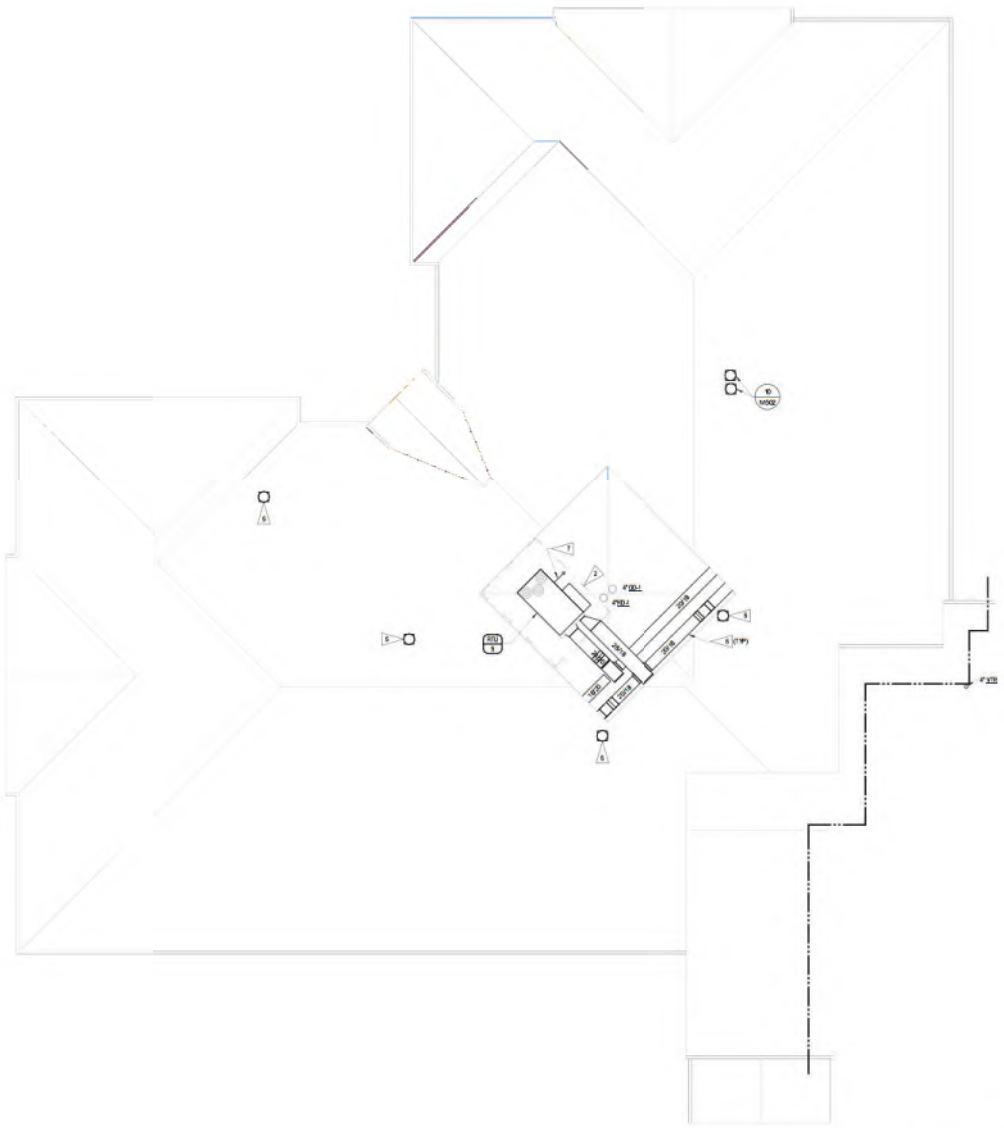
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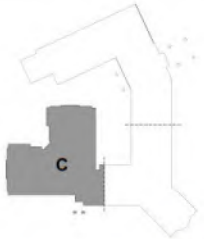
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ROOF PLAN - AREA B - MECHANICAL

M108





KEY PLAN
1" = 80'-0"

FLAG NOTES

1. CONDENSING UNIT LOCATED ON SLOPED ROOF SHALL BE INSTALLED ON ROOF CURB OR SUPPORTS TO KEEP CONDENSING UNIT LEVEL.
2. ROOFTOP UNIT SHALL BE LOCATED IN FLAT ROOF AREA WITH MANUFACTURER'S MINIMUM CLEARANCES ON ALL SIDES AS INDICATED BY DASHED LINES. MAINTAIN CLEAR PATH TO ROOF HATCH ACCESS POINT.
3. LOCATION OF EQUIPMENT SERVING KITCHEN HOOD AND DISHWASHER HOOD. EQUIPMENT PROVIDED AS PART OF FOOD SERVICES CONTRACT, INSTALLED BY MECHANICAL CONTRACTOR. SEE FOOD SERVICES PLANS.
4. LOCATION OF FREE STANDING COOLER CONDENSING UNITS. INSTALL ON 12 INCH EQUIPMENT RAILS. SEE FOOD SERVICE PLANS.
5. ROOF HOOD ACCESSORY FOR EXHAUST FAN MOUNTED ON ROOF CURB.
6. PROVIDE WEATHER TIGHT WALL PENETRATION SUPPORT DUCTWORK ON ROOF PER DETAIL 9/M-502
7. SEE GAS RISER DIAGRAM FOR SIZES, TYPICAL.

ROOF PLAN - AREA C - MECHANICAL 1
1/8" = 1'-0"
4' 8' 16' 24' 32' 40'

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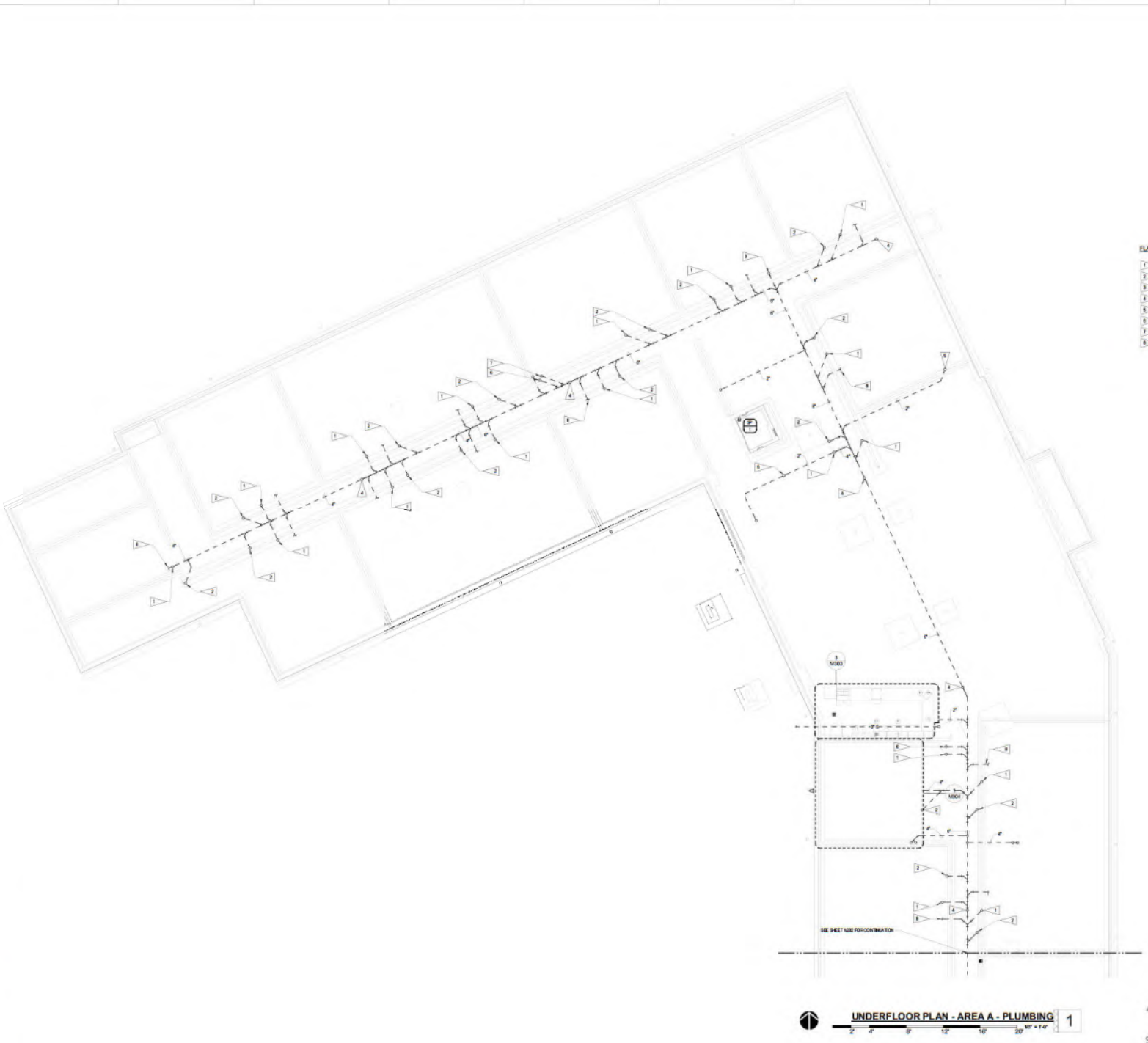
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ROOF PLAN - AREA C - MECHANICAL

M109





KEY PLAN
1" = 80'-0"

FLAG NOTES

1. 4" SANITARY WASTE UP.
2. 2" SANITARY WASTE UP.
3. UP TO WALL CLEANOUT.
4. UP TO FLOOR CLEANOUT.
5. 1 1/2" SANITARY WASTE UP.
6. 1 1/2" VENT UP.
7. 2" SANITARY WASTE UP TO HUB DRAIN.
8. 4" SANITARY WASTE TO RESIDENT ROOM TO SERVE RESIDENT ROOM FIXTURES (TYPICAL).

UNDERFLOOR PLAN - AREA A - PLUMBING 1
1/8" = 1'-0"
2' 4' 8' 12' 16' 20'

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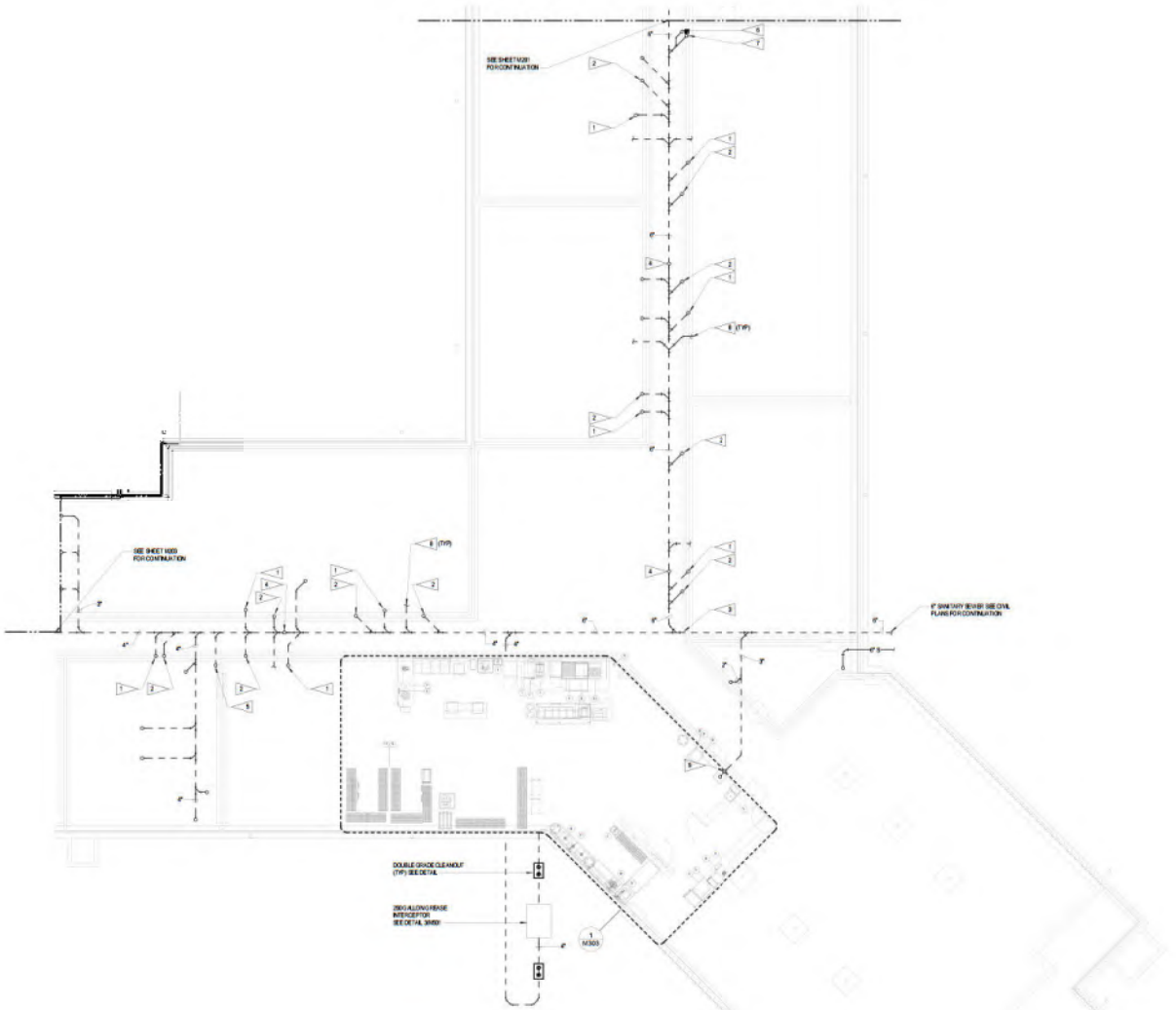
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4	Issued For Const. / AS #1	02/22/19

Project #: 161001

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February 22, 2019

UNDERFLOOR PLAN - AREA A - PLUMBING

M201



UNDERFLOOR PLAN - AREA B - PLUMBING 1

1/8" = 1'-0"



KEY PLAN

1" = 80'-0"

FLAG NOTES

1. 4" SANITARY WASTE UP.
2. 2" SANITARY WASTE UP.
3. UP TO WALL CLEANOUT.
4. UP TO FLOOR CLEANOUT.
5. 1 1/2" SANITARY WASTE UP.
6. 1 1/2" VENT UP.
7. 2" SANITARY WASTE UP TO HUB DRAIN.
8. 4" SANITARY WASTE TO RESIDENT ROOM TO SERVE RESIDENT ROOM FIXTURE (* PICAL).
9. 2" VENT UP.

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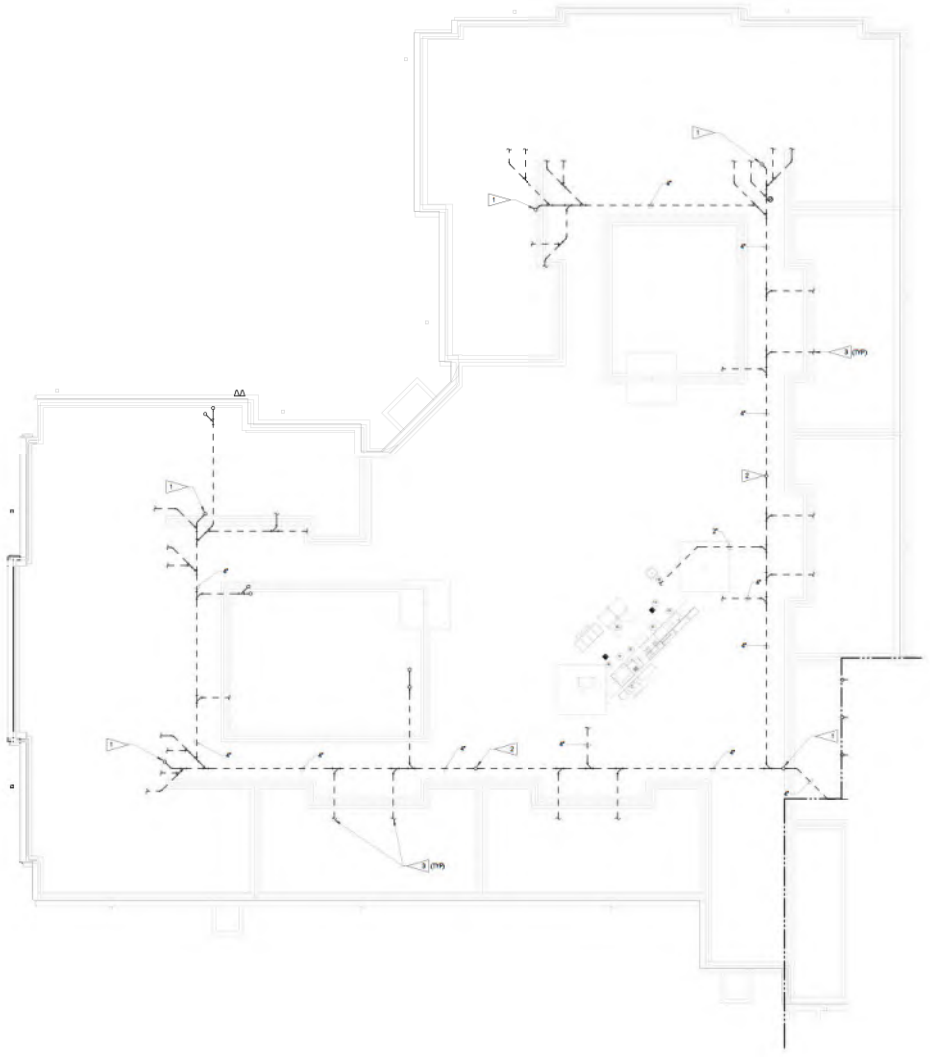
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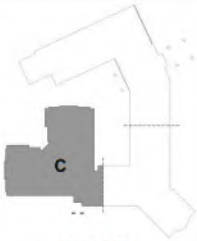
UNDERFLOOR PLAN - AREA B - PLUMBING

M202



UNDERFLOOR PLAN - AREA C - PLUMBING 1

1/8" = 1'-0"



KEY PLAN

1" = 60'-0"

FLAG NOTES

1. UP TO WALL CLEANOUT.
2. UP TO FLOOR CLEANOUT.
3. 4" SANITARY WASTE TO RESIDENT ROOM TO SERVE RESIDENT ROOM FIXTURES (TYPICAL).

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UNDERFLOOR PLAN - AREA C - PLUMBING

M203



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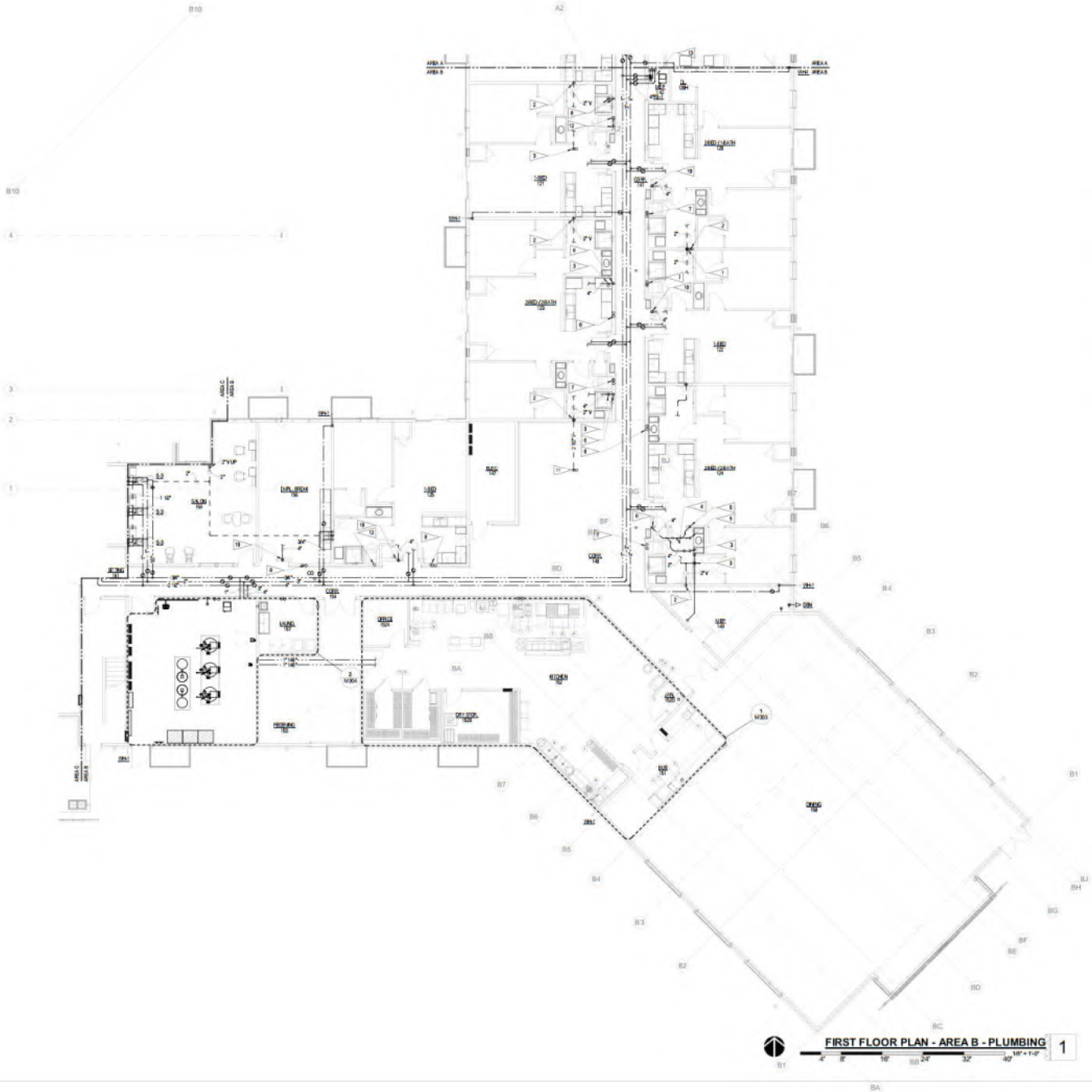
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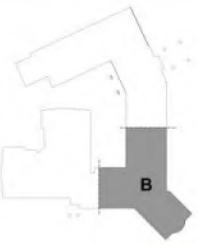
FIRST FLOOR PLAN - AREA A - PLUMBING

M204



FIRST FLOOR PLAN - AREA B - PLUMBING 1

1/8" = 1'-0"



KEY PLAN

1" = 80'-0"

FLAG NOTES

1. 4" VENT UP AND DOWN.
2. 2" VENT DOWN.
3. 2" VENT UP.
4. 2" P-TRAP TO FLOOR DRAIN.
5. 1 1/4" WASTE UP TO LAVATORY.
6. 4" WASTE DOWN.
7. 2" WASTE UP AND DOWN AND 2" VENT UP.
8. 2" WASTE UP AND DOWN.
9. 1 1/2" FLOOR DRAIN VENT UP.
10. 4" WASTE DOWN AND 2" VENT UP.
11. 2 1/2" VENT UP.
12. 2" WASTE DOWN AND 2" VENT UP.
13. ROUTE CONDENSATE DRAIN FROM FURNACE DOWN TO FIRST FLOOR AND INTO OVER FLOOR SINK.

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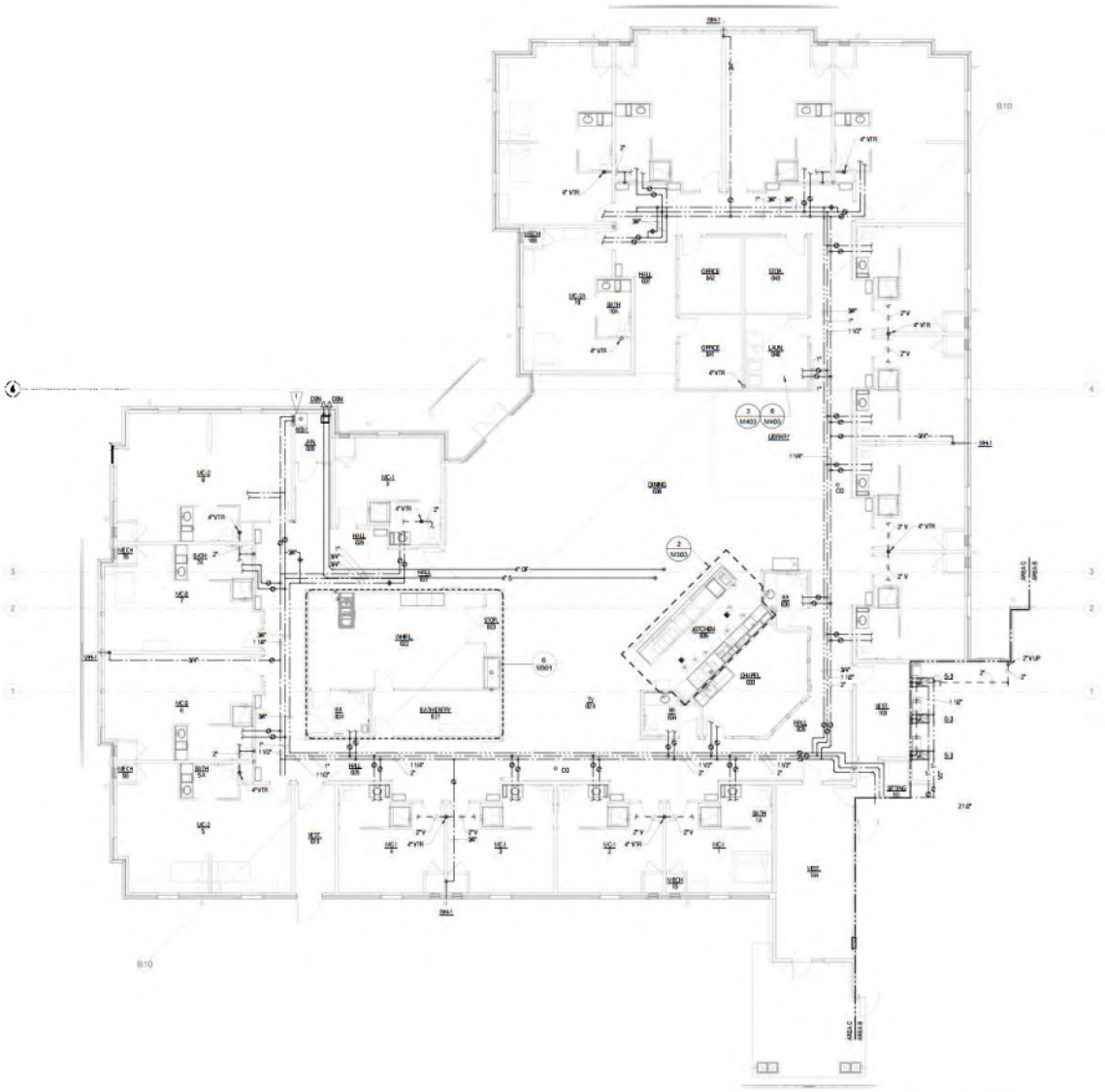
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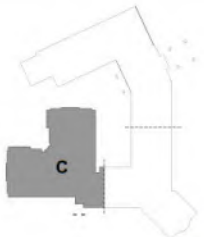
February 22, 2019

FIRST FLOOR PLAN - AREA B - PLUMBING

M205



FIRST FLOOR PLAN - AREA C - PLUMBING 1



KEY PLAN

FLAG NOTES

1 PROVIDE WATER CONNECTION WITH BACKFLOW PREVENTER FOR OWNER INSTALLED CHEMICAL DISPENSER. INSTALL DRAIN ALL WITH DRAIN ROUTED TO ABOVE MOP SINK.

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FIRST FLOOR PLAN - AREA C - PLUMBING

M206



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SECOND FLOOR PLAN - AREA A - PLUMBING

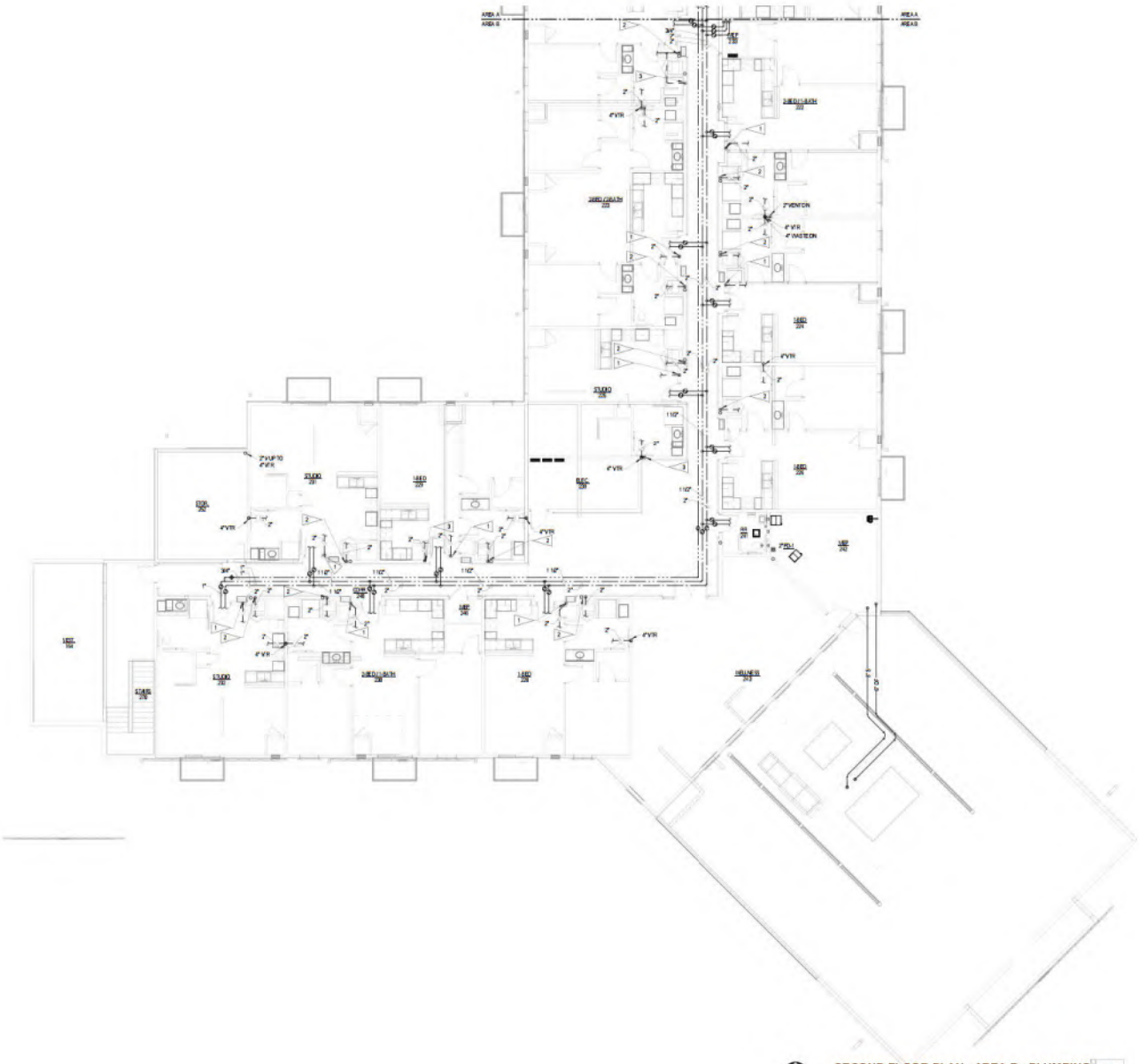
M207

FLAG NOTES:

1. 2"VENT DOWN TO WASTE BELOW FLOOR.
2. 2"WASTE DOWN & 2" VENT UP TO ABOVE CEILING.
3. 2"VENT DOWN.



KEY PLAN
1" = 50'-0"



SECOND FLOOR PLAN - AREA B - PLUMBING 1
1/4" = 1'-0"

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SECOND FLOOR PLAN - AREA B - PLUMBING

M208

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KEY PLAN
1" = 80'-0"

FLAG NOTES

1. 3" COLD WATER, 2" HOT WATER AND 3/4" HOT WATER CIRCULATING DOWN.
2. 2" VENT DOWN TO 4" WASTE RISER BELOW FLOOR LEVEL.
3. 2" WASTE AND 2" VENT DOWN.
4. 4" WASTE DOWN IN WALL TO BELOW FLOOR.
5. ROUTE CONDENSATE DRAIN FROM FURNACE DOWN TO FIRST FLOOR AND SPILL OVER FLOOR SINK.

THIRD FLOOR PLAN - AREA A - PLUMBING 1
1/8" = 1'-0"
2' 4' 8' 12' 16' 20'

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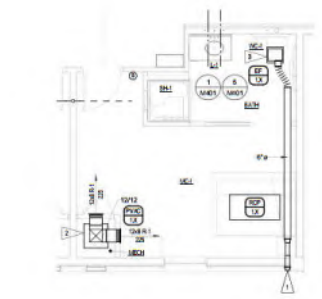
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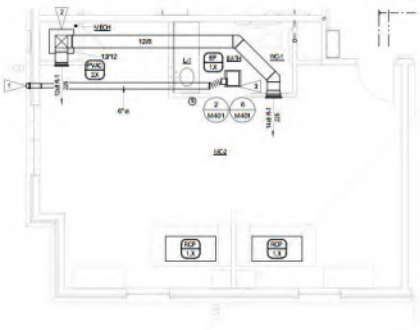
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THIRD FLOOR PLAN - AREA A - PLUMBING

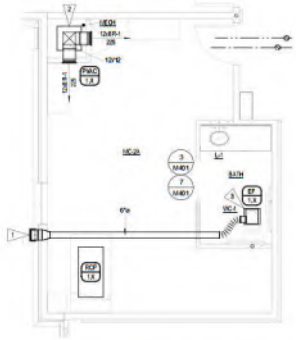
M209



TYPICAL ENLARGED MC-1 - MECHANICAL 1



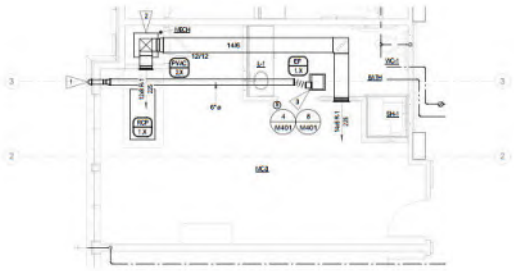
TYPICAL ENLARGED MC-2 - MECHANICAL 2



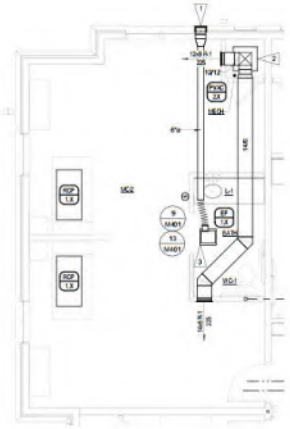
TYPICAL ENLARGED MC-2A - MECHANICAL 3

FLAGNOTES

1. AT LOCATIONS WHERE THE ROOF EAVE IS LOWER THAN ADJACENT CEILING/SOFFIT, PROVIDE ROOF EAVE VENT. EAVE VENT TO BE GREENHECK MODEL EL-1000 OR EQUAL WITH INTEGRAL BIRD SCREEN. PROVIDE FIELD FABRICATED WIND BAFFLE. FOR ALL OTHER LOCATIONS, ROUTE EA AND EXHAUST DUCT TO HOODED WALL CAP AT EXTERIOR WALL. WALL CAP TO BE GREENHECK MODEL WCR OR EQUAL WITH INTEGRAL BIRD SCREEN AND BACKDRAFT DAMPER. COORDINATE FINISH WITH ARCHITECT. SEAL PENETRATION WITH FIRE-TAPE.
2. ROUTE SA DUCTWORK FROM PAVILION TO REGISTERS BELOW RATED CONSTRUCTION. HOUSE EXHAUST DUCT BELOW RATED CONSTRUCTION TO EXTERIOR WALL TERMINATION. COORDINATE ROUTING WITH ARCHITECTURAL PLANS.
3. EXHAUST FAN SHALL BE RATED & LISTED IN RINGED CEILING BELOW RATED CONSTRUCTION. HOUSE EXHAUST DUCT BELOW RATED CONSTRUCTION TO EXTERIOR WALL TERMINATION. COORDINATE ROUTING WITH ARCHITECTURAL PLANS.



TYPICAL ENLARGED MC-3 - MECHANICAL 4



TYPICAL ENLARGED MC-2B - MECHANICAL 5



ENLARGED WHIRLPOOL 022 6

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ENLARGED PLANS - MECHANICAL

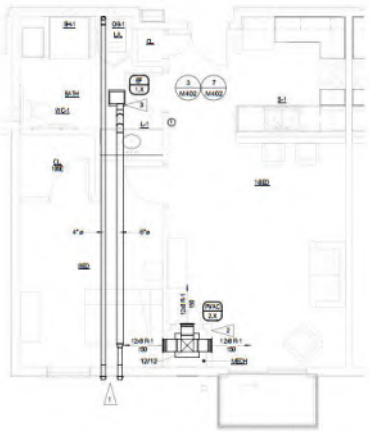
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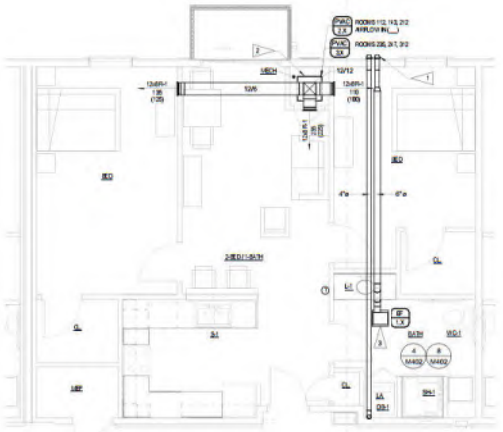
TYPICAL ENLARGED IL-STUDIO - MECHANICAL 1



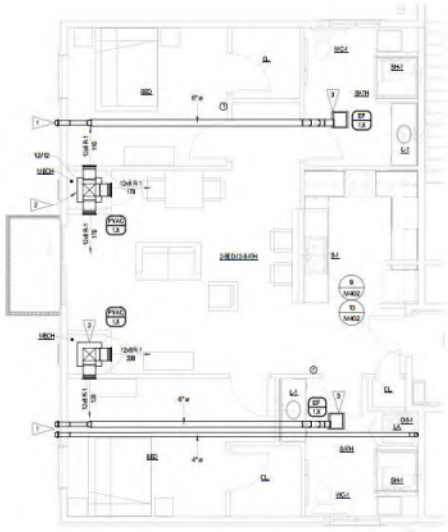
TYPICAL ENLARGED IL-STUDIO 216 - MECHANICAL 2



TYPICAL ENLARGED IL-1 BED - MECHANICAL 3



TYPICAL ENLARGED IL-2-Bed / 1 Bath - MECHANICAL 4



TYPICAL ENLARGED IL-2-BED/ 2 BATH - MECHANICAL 5

FLAGNOTES

1. AT LOCATIONS WHERE THE ROOF EAVE IS LOWER THAN ADJACENT CEILING/SOFFIT, PROVIDE ROOF EAVE VENT. EAVE VENT TO BE GREENHECK MODEL IL-1000 OR EQUAL WITH INTEGRALBIRD SCREEN. PROVIDE FIELD FABRICATED WIND BAFFLE, FOR ALL OTHER LOCATIONS, ROUTE EA AND DRYER DUCT TO HOODED WALL CAP AT EXTERIOR WALL. WALL CAP TO BE GREENHECK MODEL WC OR EQUAL WITH INTEGRAL BIRD SCREEN AND BACKDRAFT DAMPER. COORDINATE FINISH WITH ARCHITECT. SEAL PENETRATION WITH TEXTONE.
2. ROUTE SA DUCTWORK FROM PVAC UNIT TO REGISTERS BELOW RATED CONSTRUCTION. ROUTE EA DUCT BELOW RATED CONSTRUCTION TO EXTERIOR WALL TERMINATION. COORDINATE ROUTING WITH ARCHITECTURAL PLANS.
3. EXHAUST FAN SHALL BE RIGID & LED IN FINISHED CEILING BELOW RATED CONSTRUCTION. ROUTE EA DUCT BELOW RATED CONSTRUCTION TO EXTERIOR WALL TERMINATION. COORDINATE ROUTING WITH ARCHITECTURAL PLANS.

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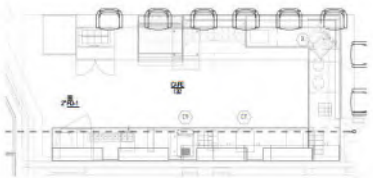
#	Revisions	
4	Issued For Const. / AB #1	02/22/19

Project #: 161001

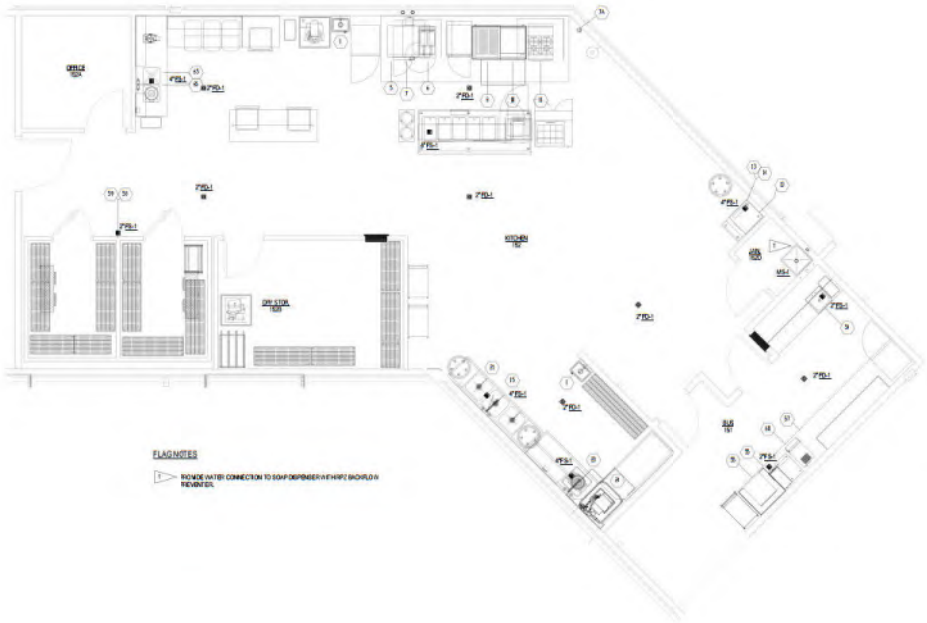
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ENLARGED PLANS - MECHANICAL

M302



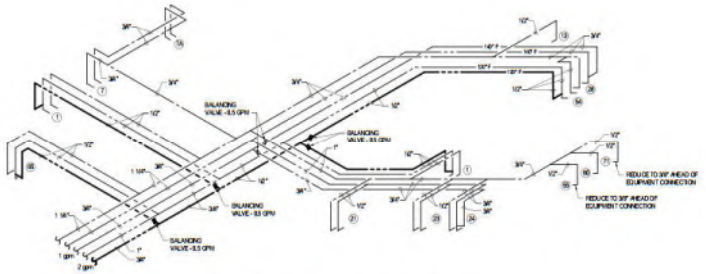
ENLARGED CAFE 132 - PLUMBING 3



FLAG NOTES

1 RO NOE WATER CONNECTION TO SOAP DISPENSER AT HHPZ BACKFLOW PREVENTER.

ENLARGED KITCHEN 1



KITCHEN 152 DOMESTIC WATER RISER DIAGRAM 4

NO SCALE

KITCHEN EQUIPMENT SEQUENCE

KITCHEN EXHAUST HOOD SYSTEM, MAKEUP AIR SYSTEM AND KITCHEN GAS UTILITY SEQUENCE OF OPERATION

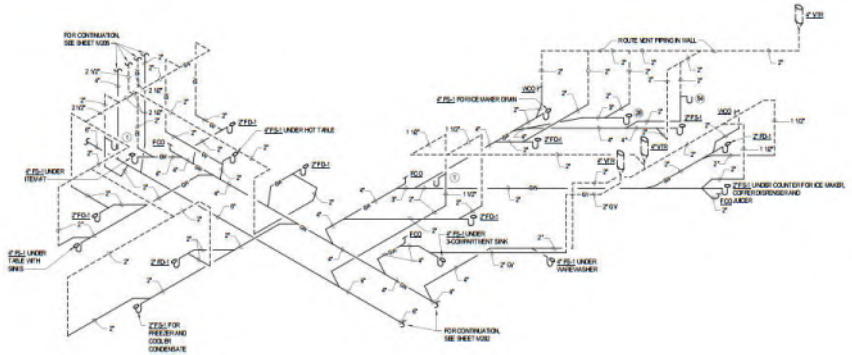
KITCHEN EXHAUST HOOD (PRO MODE BY FOOD SERVICE) SHALL BE PROVIDED WITH A WALL MOUNTED CONTROL PANEL WITH NECESSARY ELECTRICAL RELAYS TO CONTROL KITCHEN HOOD EXHAUST AIR AND MAKE-UP AIR SYSTEM MEETING CITY OF NO POLK REQUIREMENTS.

EXHAUST AIR AND MAKEUP AIR SYSTEM SEQUENCE OF OPERATION

- WHEN THE KITCHEN EXHAUST SYSTEM IS ACTIVATED, THE MAKEUP AIR UNIT OUTSIDE AIR DAMPER SHALL OPEN AND THE MAKE-UP AIR FAN SHALL START.
- UPON ACTIVATION OF MAKEUP AIR UNIT OPERATION BASED ON CURRENT SENSED AT MAKEUP AIR UNIT FAN, THE MOTORIZED EXHAUST AIR DAMPER AT KITCHEN EXHAUST FAN SHALL OPEN AND KITCHEN HOOD EXHAUST FAN SHALL START.
- UPON ACTIVATION OF KITCHEN EXHAUST HOOD EXHAUST FAN AS SENSED BY CURRENT RELAY AT EXHAUST FAN, ELECTRICALLY OPERATED GAS VALVE SERVING COOKING APPLIANCES SHALL OPEN.
- AT CONTROL PANEL, AUXILIARY RELAYS SHALL BE PROVIDED WITH 120 VOLT, 20 AMP RATED CONTACTS FOR ELECTRICAL CONTROL OF COOKING APPLIANCES UNDER EXHAUST HOOD, AT THE SAME TIME THE CONTACTS ENERGIZE APPLIANCES, THE ELECTRICAL OPERATED GAS VALVE SHALL OPEN.
- PROVIDE A DUCT MOUNTED 0-300 DEG F TEMPERATURE SENSOR AT THE EXHAUST HOOD EXHAUST DUCT COLLAR TO MONITOR THE HOOD EXHAUST AIR TEMPERATURE. ANYTIME THE EXHAUST AIR TEMPERATURE IS ABOVE 80 DEG F (ADJUST AS REQ), THE EXHAUST AIR AND MAKEUP AIR SYSTEMS SHALL OPERATE. THE EXHAUST AIR AND MAKE-UP AIR SYSTEM SHALL OPERATE UNTIL SUCH TIME THAT THE EXHAUST AIR TEMPERATURE DROPS BELOW ITS TEMPERATURE SETPOINT.
- UPON ACTIVATION OF EXHAUST HOOD FIRE SUPPRESSION SYSTEM, THE MAKEUP AIR SYSTEM MOTORIZED DAMPER SHALL CLOSE AND THE MAKE-UP AIR UNIT FAN SHALL STOP ELECTRICALLY OPERATED GAS VALVE SHALL CLOSE AND ELECTRIC POWER TO THE COOKING APPLIANCES SHALL BE SHUT OFF. THE KITCHEN EXHAUST SYSTEM CONTROL PANEL SHALL BE PROVIDED WITH THE NECESSARY RELAYS/BYPASS TO ALLOW EXHAUST FAN AND MOTORIZED EXHAUST AIR DAMPER AT FAN TO REMAIN ON AND OPEN IN THE EVENT OF A FIRE SUPPRESSION SYSTEM ACTIVATION.



ENLARGED KITCHEN 035 PLAN 2



KITCHEN 152 WASTE AND VENT RISER DIAGRAM 5

NO SCALE

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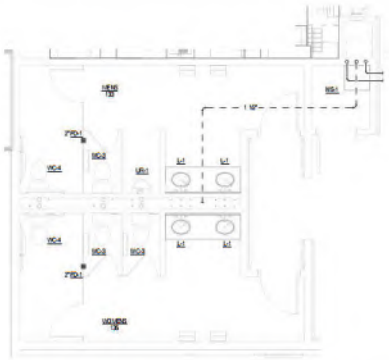
Project #: 161001

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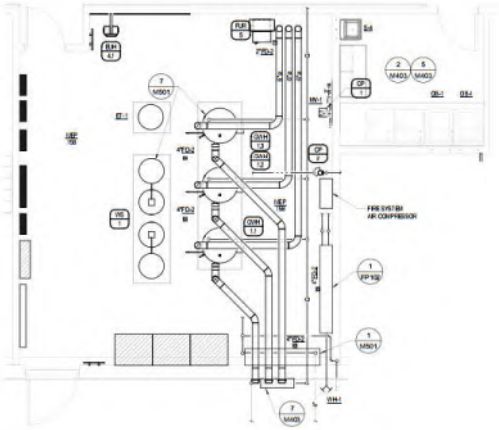
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ENLARGED KITCHEN PLANS - PLUMBING

M303



ENLARGED MENS 133/WOMENS 135 - PLUMBING 1



ENLARGED MEP 158 - PLUMBING 2

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ENLARGED RESTROOM PLANS - PLUMBING

M304



TYPICAL MC-1 DOMESTIC
WATER RISER DIAGRAM

NO SCALE

1 M401



TYPICAL MC-2 DOMESTIC
WATER RISER DIAGRAM

NO SCALE

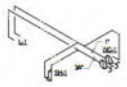
2 M401



TYPICAL MC-2A DOMESTIC
WATER RISER DIAGRAM

NO SCALE

3 M401



TYPICAL MC-3 DOMESTIC
WATER RISER DIAGRAM

NO SCALE

4 M401



TYPICAL MC-1 WASTE
AND VENT RISER DIAGRAM

NO SCALE

5 M401



TYPICAL MC-2 WASTE
AND VENT RISER DIAGRAM

NO SCALE

6 M401



TYPICAL MC-2A WASTE
AND VENT RISER DIAGRAM

NO SCALE

7 M401



TYPICAL MC-3 WASTE
AND VENT RISER DIAGRAM

NO SCALE

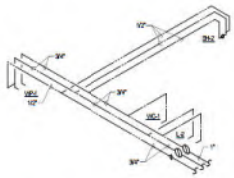
8 M401



TYPICAL MC-2B DOMESTIC
WATER RISER DIAGRAM

NO SCALE

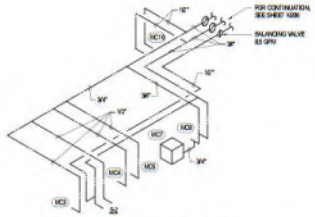
9 M401



WHIRLPOOL 022 AND RESTROOM 024
DOMESTIC WATER RISER DIAGRAM

NO SCALE

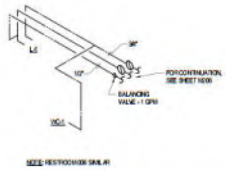
10 M401



KITCHEN 035 MC DOMESTIC
WATER RISER DIAGRAM

NO SCALE

11 M401



NOTE: RESTROOM 036 SIMILAR

RESTROOM 034 DOMESTIC
WATER RISER DIAGRAM

NO SCALE

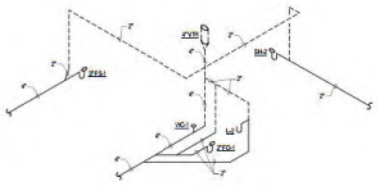
12 M401



TYPICAL MC-2B WASTE
AND VENT RISER DIAGRAM

NO SCALE

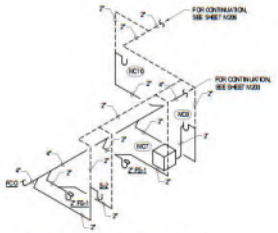
13 M401



WHIRLPOOL 022 AND RESTROOM 024
WASTE AND VENT RISER DIAGRAM

NO SCALE

14 M401



KITCHEN 035 MC WASTE
AND VENT RISER DIAGRAM

NO SCALE

15 M401



NOTE: RESTROOM 034 SIMILAR

RESTROOM 034 WASTE AND
VENT RISER DIAGRAM

NO SCALE

16 M401

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PLUMBING RISERS

M401



TYPICAL IL STUDIO DOMESTIC WATER RISER DIAGRAM

1 M402

NO SCALE



IL-STUDIO 216 DOMESTIC WATER RISER DIAGRAM

2 M402

NO SCALE



TYPICAL IL-1-BED WATER RISER DIAGRAM

3 M402

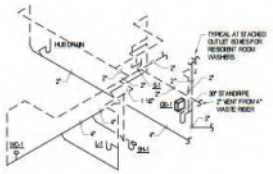
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TYPICAL IL-2-BED/1-BATH DOMESTIC WATER RISER DIAGRAM

4 M402

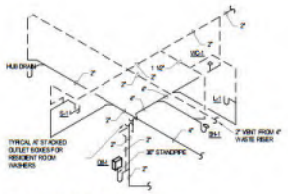
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TYPICAL IL STUDIO WASTE AND VENT RISER DIAGRAM

5 M402

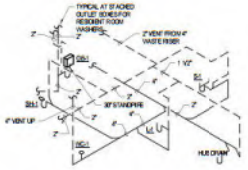
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IL-STUDIO 216 WASTE AND VENT RISER DIAGRAM

6 M402

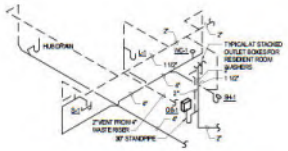
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TYPICAL IL-1-BED WASTE AND VENT RISER DIAGRAM

7 M402

NO SCALE



TYPICAL IL-2-BED/1-BATH WASTE AND VENT RISER DIAGRAM

8 M402

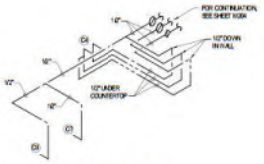
NO SCALE



TYPICAL IL-2-BED/2-BATH DOMESTIC WATER RISER DIAGRAM

9 M402

NO SCALE



CAFE 132 DOMESTIC WATER RISER DIAGRAM

10 M402

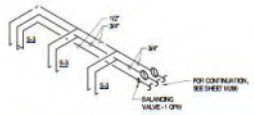
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MENS 133 & WOMENS 135 DOMESTIC WATER RISER DIAGRAM

11 M402

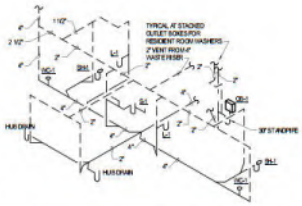
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SALON 159 DOMESTIC WATER RISER DIAGRAM

12 M402

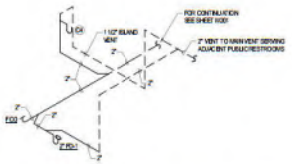
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TYPICAL IL-2-BED/2-BATH WASTE AND VENT RISER DIAGRAM

13 M402

NO SCALE



CAFE 132 WASTE AND VENT RISER DIAGRAM

14 M402

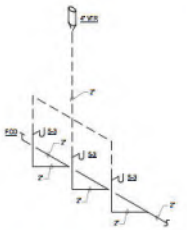
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MENS 133 & WOMENS 135 WASTE AND VENT RISER DIAGRAM

15 M402

NO SCALE



SALON 159 WASTE AND VENT RISER DIAGRAM

16 M402

NO SCALE

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PLUMBING RISERS

M402



RESTROOM 241 DOMESTIC WATER RISER DIAGRAM

1 M403

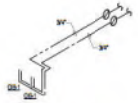
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LAUNDRY 157 DOMESTIC WATER RISER DIAGRAM

2 M403

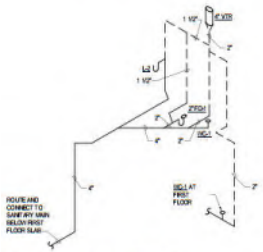
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LAUNDRY 040 DOMESTIC WATER RISER DIAGRAM

3 M403

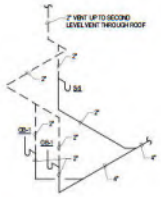
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RESTROOM 241 WASTE AND VENT RISER DIAGRAM

4 M403

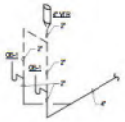
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LAUNDRY 157 WASTE AND VENT RISER DIAGRAM

5 M403

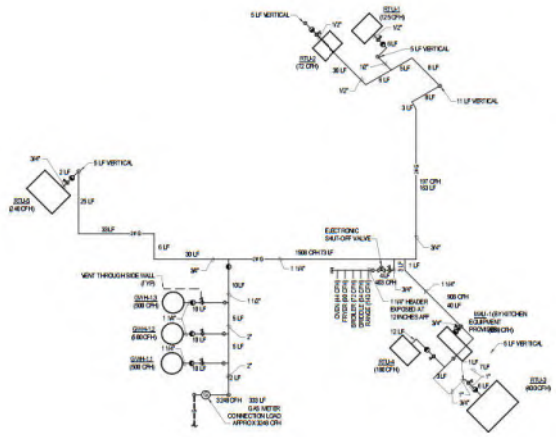
NO SCALE



LAUNDRY 040 WASTE AND VENT RISER DIAGRAM

6 M403

NO SCALE



NOTE: ALL PRESSURE REDUCING VALVES FROM 2 PSI TO LOW PRESSURE LOCATED INSIDE BUILDING INSULATION ENVELOPE SHALL BE VENTED TO THE OUT SIDE.

NATURAL GAS PIPING SCHEMATIC

7 M403

NO SCALE

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#	Revisions	
4	Issued For Const. / AB #1	02/22/19

Project #: 161001

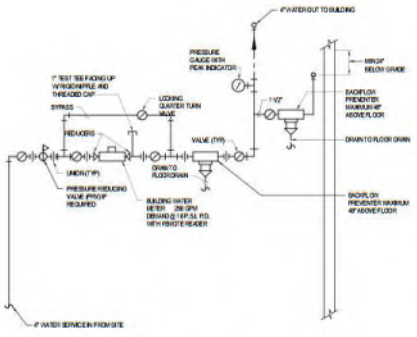
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February 22, 2019

PLUMBING RISERS

M403

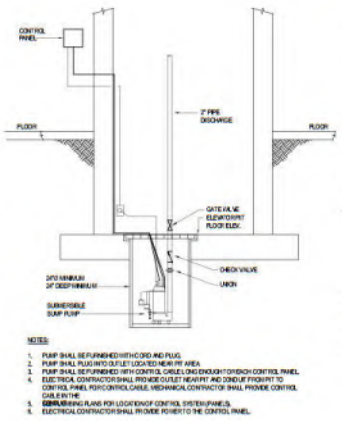
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WATER METER
W/ LAWN SPRINKLER DETAIL

NO SCALE

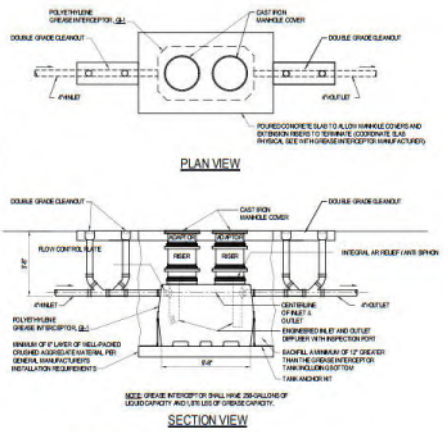
1 M501



ELEVATOR SUMP
PUMP DETAIL

NO SCALE

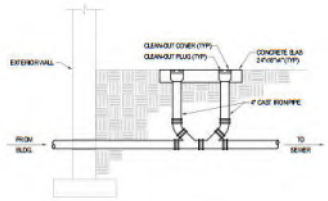
2 M501



EXTERIOR
GREASE INTERCEPTOR

NO SCALE

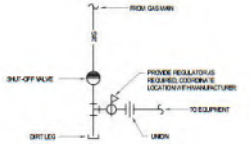
3 M501



DOUBLE GRADE
CLEAN-OUT DETAIL

NO SCALE

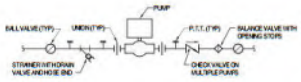
4 M501



GAS CONNECTION DETAIL

NO SCALE

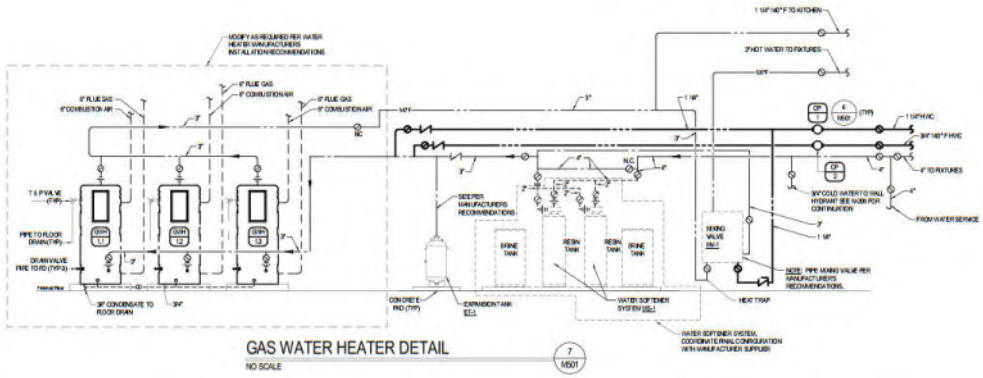
5 M501



CIRCULATING
PUMP PIPING

NO SCALE

6 M501



GAS WATER HEATER DETAIL

NO SCALE

7 M501

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The Heritage at Fox Run - Council Bluffs

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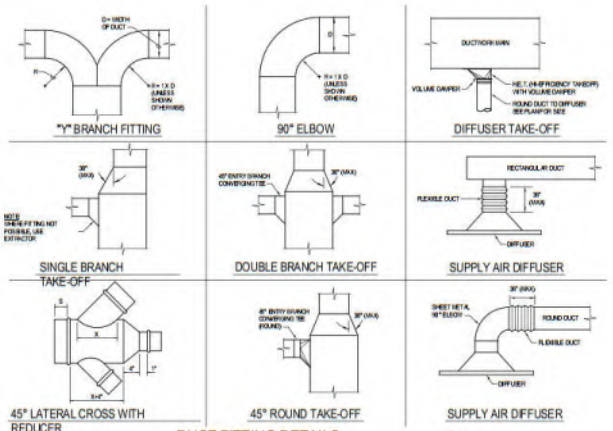
#	Revisions	
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Project #: 161001

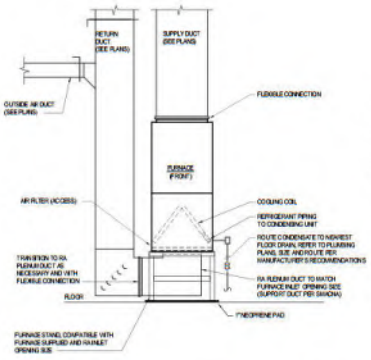
Issued For Construction
February 22, 2019

MECHANICAL DETAILS

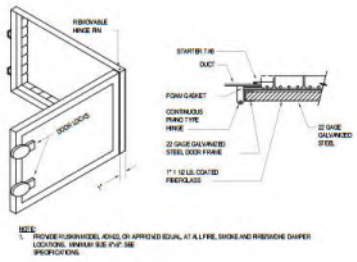
M501



DUCT FITTING DETAILS
NO SCALE
1 M502



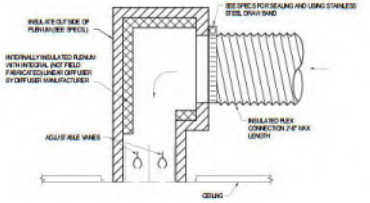
FURNACE DETAIL
NO SCALE
2 M502



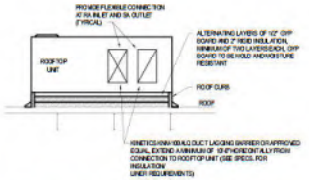
NOTE:
1. PROVIDE RUSKIN MODEL ADH22, OR APPROVED EQUAL, AT ALL FIRE, SMOKE AND RIB/SMOKE DAMPER LOCATIONS. MINIMUM SIZE 24"x12". SEE SPECIFICATIONS.

ACCESS DOOR DETAIL
NO SCALE
3 M502

NOTES:
1. OFFSETS WITH FLEX DUCT SHALL NOT EXCEED 30° AND SHALL BE GRADUAL. OFFSETS IN EXCESS OF 30° SHALL BE HARD DUCTED.
2. FLEX DUCT SHALL NOT HAVE MORE THAN 1" SAG/FT.
3. FOR PERIMETER DIFFUSERS, LOCATE DIST ANCE FROM OUTSIDE WALL SHOWN ON ARCHITECTURAL PLANS.
4. CONNECTION TO MAIN DUCT SHALL BE HARD DUCT TRANSITION AND VOLUME DAMPER.

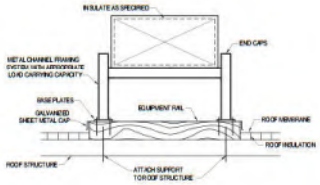


LINEAR DIFFUSER CONNECTION DETAIL
NO SCALE
4 M502



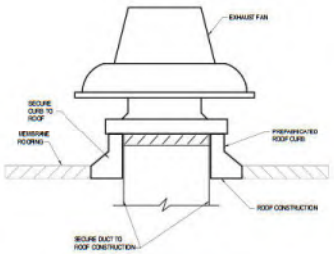
NOTE:
DOUBLE-WALL INSULATED DUCT AND FITTINGS MAY BE USED IN LIEU OF DUCT WITH LAGGING BARRIER, UNITED MODAL ACOUSTIKAT DUCT OR APPROVED EQUAL.

ROOFTOP UNIT SOUND ATTENUATION DETAIL
NO SCALE
5 M502



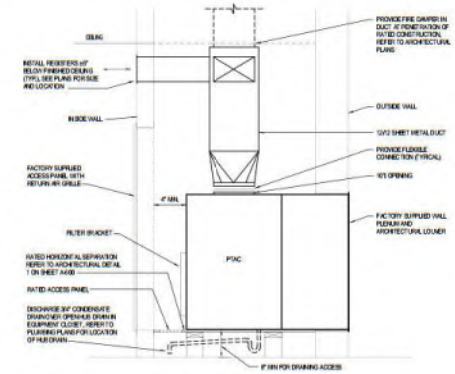
NOTES:
1. LOCATE SUPPORTS 8'-0" O.C. AND AT ALL CHANGES IN DIRECTION.
2. DUCT SUPPORT MATERIAL, METHOD AND LOCATIONS SHALL BE APPROVED BY GENERAL CONTRACTOR BEFORE INSTALLATION.

ROOF DUCT SUPPORT DETAIL
NO SCALE
6 M502



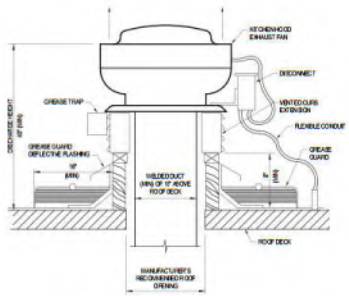
NOTE:
DISHWASHER HOOD EXHAUST FAN AND ASSOCIATED ACCESSORIES FURNISHED UNDER FOOD SERVICES CONTRACT, INSTALLED BY MECHANICAL CONTRACTOR.
OR EQUAL SIMILAR.

EXHAUST FAN MOUNTING DETAIL
NO SCALE
7 M502



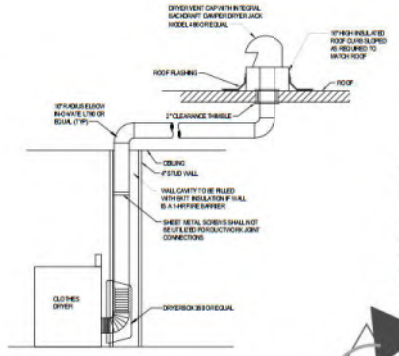
NOTE: COORDINATE ACCESS PANEL, LOUVER AND UNIT INSTALLATION HEIGHT WITH ARCHITECTURAL PLANS.

PVAC DETAIL
NO SCALE
8 M502



NOTE:
KITCHEN HOOD EXHAUST FAN AND ASSOCIATED ACCESSORIES FURNISHED UNDER FOOD SERVICES CONTRACT, INSTALLED BY MECHANICAL CONTRACTOR.

KITCHEN HOOD EXHAUST FAN DETAIL
NO SCALE
9 M502



CLOTHES DRYER VENTING
NO SCALE
10 M502

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#	Revisions	
4	Issued For Const. / AB #1	02/22/19

Project #: 161001

Issued For Construction
February 22, 2019

MECHANICAL DETAILS
M502

AIR COOLED CONDENSING UNIT SCHEDULE

MARK	SERVES	LOCATION	COIL PERFORMANCE TONS	COIL PERFORMANCE TTL (MBH)	COIL PERFORMANCE SENS. (MBH)	COMPRESSOR TYPE	COMPRESSOR # OF	REFRIGERANT	AMBIENT TEMP (°F)	SOUND POWER (0 ba)	SEER (AHRI)	DIMENSIONS (LxWxH) (IN)	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL NUMBER	REMARKS
CU-1	FUR-1	ROOF	1.5	19.5	15.4	SCROLL	1	R-410A	105	76	15	29 x 29 x 29	135	CARRIER	24ABC018	1, 2, 3, 4, 5, 6
CU-2	FUR-2	ROOF	2	21.9	15.4	SCROLL	1	R-410A	105	76	15	29 x 37 x 29	147	CARRIER	24ABC024	1, 2, 3, 4, 5, 6
CU-3	FUR-3	ROOF	2	21.9	15.4	SCROLL	1	R-410A	105	76	15	29 x 37 x 29	147	CARRIER	24ABC024	1, 2, 3, 4, 5, 6
CU-4	FUR-4	ROOF	2	21.9	15.4	SCROLL	1	R-410A	105	76	15	29 x 37 x 29	147	CARRIER	24ABC024	1, 2, 3, 4, 5, 6
CU-5	FUR-5	ROOF	3	32.4	24.6	SCROLL	1	R-410A	105	76	16.5	35 x 35 x 28	195	CARRIER	24ABC036	1, 2, 3, 4, 5, 6
CU-6	FUR-6	ROOF	3	32.4	24.6	SCROLL	1	R-410A	105	76	16.5	35 x 35 x 28	195	CARRIER	24ABC036	1, 2, 3, 4, 5, 6
CU-7	FUR-7	ROOF	3	32.4	24.6	SCROLL	1	R-410A	105	76	16.5	35 x 35 x 28	195	CARRIER	24ABC036	1, 2, 3, 4, 5, 6

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON ELECTRICAL SHEETS FOR ELECTRICAL DATA.
2. EACH UNIT HAS A UNIQUE IDENTIFIER, THE DIGIT AFTER THE DESIGNAL REFERS BACK TO THE UNIQUE IDENTIFIER.
3. OVERALL SOUND POWER DATA SHOWN ON A WEIGHTED SCALE IN ACCORDANCE WITH ARI STANDARD 370.
4. MATCH WITH FURNACE AND EVAPORATOR COIL SET.
5. PROVIDE CRANKCASE HEATER AND LOW AMBIENT KIT FOR OPERATION TO 0 °F.
6. PROVIDE UNITS WITH WALL GUARD PROTECTION.

ELECTRIC FURNACE SCHEDULE

MARK	SERVES	LOCATION	CONFIGURATION	AIRFLOW (CFM)	OUTDOOR AIR CFM	OUTDOOR AIR DUCT SIZE	S.P. (IN. W.G.)	HEATING (KW)	CONTROL DEVICE	FILTERS	DIMENSIONS (LxWxH) (IN.)	WEIGHT (LBS)	MANUFACTURER	MODEL NUMBER	REMARKS
FUR-1	AREA HVAC-1	MEP 009	UP FLOW	600	110	8 x 8	0.5	5	THERMOSTAT	1"	22 x 18 x 52	132	CARRIER	FV4CNF005	1, 2, 3, 4, 5, 6
FUR-2	AREA HVAC-2	MEP 009	UP FLOW	600	140	8 x 8	0.5	5	THERMOSTAT	1"	22 x 18 x 52	132	CARRIER	FV4CNF005	1, 2, 3, 4, 5, 6
FUR-3	AREA HVAC-3	MEP 009	UP FLOW	600	130	8 x 8	0.5	5	THERMOSTAT	1"	22 x 18 x 52	132	CARRIER	FV4CNF005	1, 2, 3, 4, 5, 6
FUR-4	AREA HVAC-1	MEP 142	UP FLOW	600	110	8 x 8	0.5	5	THERMOSTAT	1"	22 x 18 x 52	132	CARRIER	FV4CNF005	1, 2, 3, 4, 5, 6
FUR-5	AREA HVAC-1	MEP 106	UP FLOW	1200	220	8 x 8	0.5	10	THERMOSTAT	1"	22 x 21 x 60	197	CARRIER	FV4CNF007	1, 2, 3, 4, 5, 6
FUR-6	AREA HVAC-2	MEP 235	UP FLOW	1200	270	8 x 8	0.5	10	THERMOSTAT	1"	22 x 21 x 60	197	CARRIER	FV4CNF007	1, 2, 3, 4, 5, 6
FUR-7	WELLNESS 240	MEP 242	UP FLOW	1200	110	8 x 8	0.5	10	THERMOSTAT	1"	22 x 21 x 60	197	CARRIER	FV4CNF007	1, 2, 3, 4, 5, 6

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E001 FOR ELECTRICAL DATA.
2. EACH UNIT HAS A UNIQUE IDENTIFIER, THE DIGIT AFTER THE DESIGNAL REFERS BACK TO THE UNIQUE IDENTIFIER.
3. PROVIDE WITH DX COIL TO MATCH FURNACE AND ASSOCIATED CONDENSING UNIT TO PROVIDE CAPACITY INDICATED. REFER TO AIR COOLED CONDENSING UNIT SCHEDULE.
4. PROVIDE WITH ELECTRONIC 7-DAY PROGRAMMABLE HEATING/COOLING, AUTO-CHANGEOVER THERMOSTAT WITH LED DISPLAY AND TOUCH SCREEN OR PUSH-BUTTON OPERATION.
5. PROVIDE WITH DISPOSITION FILTER KIT AND ACCESS. COORDINATE DIMENSIONS OF UNIT WITH PLANS.
6. ELECTRIC HEATING MUST BE BASED AT 208 VOLT OPERATION, INCLUDE WITH INTERNAL CIRCUIT BREAKER PROTECTION.

WATER HEATER SCHEDULE - GAS

MARK	SERVES	LOCATION	OPERATING WEIGHT (LBS)	SIZE (DIA x H) (IN)	STORAGE (GAL)	RECOVERY (GPH @ 100°F RISE)	INPUT (MBH)	MIN. EFFICIENCY (%)	INTAKE SIZE (IN)	FLUE SIZE (IN)	MANUFACTURER	MODEL NUMBER	REMARKS
GWH-1.1	EQH HOT WATER	MECH	1160	33.75x16.75	130	390	399	96.0	6	6	PVI	50L130-GOG	1,2
GWH-1.2	EQH HOT WATER	MECH	1160	33.75x16.75	130	390	399	96.0	6	6	PVI	50L130-GOG	1,2
GWH-1.3	EQH HOT WATER	MECH	1160	33.75x16.75	130	390	399	96.0	6	6	PVI	50L130-GOG	1,2

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E001 FOR ELECTRICAL DATA.
2. PROVIDE WITH CONDENSATE NEUTRALIZATION KIT.

PACKAGED VERTICAL AIR CONDITIONER SCHEDULE

MARK	SERVES	LOCATION	CFM (HI / LOW)	OUTSIDE AIR CFM	COOLING SENS./TOTAL (MBH)	EAT DB/WB	ELECT. HEATING (KW @ 208 V)	MINIMUM EER (AHRI)	DIMENSIONS (LxWxH) (IN.)	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL NUMBER	REMARKS
PVAC-1.X	REC ROOMS	SEE PLANS	HEV-HD	30	72/92	80/67	5	10.6	23 x 33 x 32	175	GE ZONELINE	AJ9DE09DC	1, 2, 3, 4, 5, 6, 7, 8
PVAC-2.X	REC ROOMS	SEE PLANS	HEV-HD	45	93/122	80/67	5	10.4	23 x 33 x 32	175	GE ZONELINE	AJ9DE12DC	1, 2, 3, 4, 5, 6, 7, 8
PVAC-3.X	REC ROOMS	SEE PLANS	HEV-HD	60	114/159	80/67	5	9	23 x 33 x 32	175	GE ZONELINE	AJ9DE18DC	1, 2, 3, 4, 5, 6, 7, 8

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON ELECTRICAL SHEETS FOR ELECTRICAL DATA.
2. PROVIDE WITH INTERFACE MODULE KIT, PROGRAMMABLE THERMOSTAT WITH 2-PIPE SPREAD SETTINGS AND 2 HEAT/COOL STAGES.
3. PROVIDE WITH WALL PLENUM, ARCHITECTURAL LOUVER AND ACCESS PANEL WITH RETURN AIR GRILLE COMPATIBLE WITH WALL CONSTRUCTION AND UNIT SIZE. COORDINATE ALL FINISHES WITH ARCHITECT.
4. PROVIDE WITH SUPPORT PILLOW COMPATIBLE WITH UNIT SIZE. COORDINATE PLATFORM HEIGHT AS REQUIRED WITH ARCHITECTURAL PLANS AND ELEVATIONS.
5. PROVIDE WITH HIGH TEMP. MERV 13 FILTER.
6. INCLUDE UNIT WITH THE OPTION TO CLOSE OFF OUTSIDE AIR VENTILATION DAMPER.
7. UNIT INCLUDED WITH A POWER CONNECT.
8. PROVIDE WITH PLUG AND CORD FOR EASY REMOVAL OF EQUIPMENT. PROVIDE REQUIRED PLUG CONFIGURATION TO COORDINATE WITH NEMA REQUIREMENTS BASED ON PLUG AND CORD SET AMP CAPACITY.

ROOFTOP UNIT SCHEDULE (GAS HEAT)

MARK	SERVES	LOCATION	CONFIGURATION	AIRFLOW FAN DATA TOTAL AIRFLOW (CFM)	AIRFLOW FAN DATA MAX. OUTSIDE AIRFLOW (CFM)	AIRFLOW FAN DATA MIN. OUTSIDE AIRFLOW (CFM)	AIRFLOW FAN DATA EXTERNAL SP (IN. W.C.)	COOLING DATA AMBIENT AIR TEMP. (°F)	COOLING DATA EER (SEER) (AHRI)	COOLING DATA E.A.T. (D.B/W.B) (°F	COOLING DATA TOTAL (MBH)	COOLING DATA SENSIBLE (MBH)	COOLING DATA NUMBER OF COMPRESSORS	HEATING DATA INPUT (MBH)	HEATING DATA OUTPUT (MBH)	DIM. (LxWxH) (IN)	OPERATING WEIGHT (LBS.)	MANUFACTURER	MODEL NUMBER	REMARKS
RTU-1	LOBBY/MEETING	ROOF	VERTICAL	3000	3000	475	1.25	105	12	78/65	90.80	72.60	2	125	100	89 x 89 x 39	1155	CARRIER	48HCD06A5	1,2,3,4,5,6,7,8
RTU-2	COMMUNITY	ROOF	VERTICAL	1200	1200	280	1.25	105	11.5	68/57	44.40	31.08	1	72	58	75 x 47 x 42	671	CARRIER	48HCD03A5	1,2,3,4,5,6,7,8
RTU-3	DINING RM	ROOF	VERTICAL	5400	5400	1150	1.25	105	12	61/57	162.00	145.10	2	400	324	142 x 97 x 58	2680	CARRIER	48HCED12A5	1,2,3,4,5,6,7,8
RTU-4	KITCHEN	ROOF	VERTICAL	3400	3400	335	1.25	105	12	77/63	92.20	74.59	2	500	405	89 x 89 x 39	1155	CARRIER	48HCED06A5	1,2,3,4,5,6,7,8
RTU-5	MEMORY CARE	ROOF	VERTICAL	3600	3600	915	1.25	105	12.2	62/57.5	93.70	80.00	2	240	195	119 x 89 x 58	1662	CARRIER	48HCFE14A5	1,2,3,4,5,6,7,8

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON ELECTRICAL SHEETS FOR ELECTRICAL DATA.
2. PROVIDE WITH ALLOY BOLTED HEAT EXCHANGER, STAINLESS STEEL TUBULAR PRIMARY AND ALUMINUM FIN SECONDARY.
3. PROVIDE WITH MODULATING GAS VALVE, 2-STAGE GAS BURNER, AND 2-STAGE INDUCED DRAFT BLOWER.
4. PROVIDE WITH ECONOMIZER, MOTORIZED FRESH AIR DAMPER, LOW AMBIENT LOCKOUT, AND BAROMETRIC RELIEF DAMPER.
5. PROVIDE WITH POWER EXHAUST INTEGRAL WITH UNIT.
6. PROVIDE WITH 14" DEEP, INSULATED ROOF CURB, COMPLETE WITH COUNTER FLASHING AND WOOD NAILER.
7. PROVIDE WITH PROGRAMMABLE THERMOSTAT WITH LARGE LED DISPLAY.
8. PROVIDE WITH HOT GAS REHEAT FOR DEHUMIDIFICATION, PROVIDE WITH HUMIDISTAT.
9. PROVIDE WITH INTEGRAL SUPPLY AND RETURN DUCT SMOKE DETECTORS AND ASSOCIATED CONTROLS WITH UNIT.
10. PROVIDE UNIT WITH INTEGRAL 120 VOLT CONVENIENCE OUTLET.

DUCTLESS HEAT PUMP SCHEDULE

MARK	SERVES	CFM (HIGH/LOW)	DX COOLING EVAPORATOR TOTAL COOLING (MBH)	DX COOLING EVAPORATOR EAT (D.B/W.B) (°F)	DX COOLING EVAPORATOR DIMENSIONS (HxWxD) (IN)	CONDENSING UNIT MARK	CONDENSING UNIT EAT (DB) (°F)	CONDENSING UNIT SEER	CONDENSING UNIT DIMENSIONS (HxWxD) (IN)	HEATING CAPACITY (MBH)	HEATING EAT (DB) (°F)	HEATING HSPF	MANUFACTURER	MODEL INDOOR	MODEL OUTDOOR	REMARKS
SSFC-1	BUSY MACHINE	550 - 310	15.00	80/67	12 x 36 x 8	SSCU-1	102	20.00	29 x 34 x 14	17.9	69	10.3	CARRIER	42MHC09B	38MHC09B	1,2,3,4

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E001 FOR ELECTRICAL DATA.
2. INDOOR UNIT POWERED THROUGH OUTDOOR UNIT.
3. PROVIDE CONCRETE EQUIPMENT PADS FOR MOUNTING OF CONDENSING UNIT ON ROOF.
4. PROVIDE WITH LOW AMBIENT KIT AND WALL MOUNTED THERMOSTAT.

WATER SOFTENER SCHEDULE

MARK	SERVES	LOCATION	FLOW RATE (GPM)	RESIN VOLUME (CF)	PIPE SIZE (IN)	SALT CAPACITY (LBS)	BACKWASH FLOW (GPM)	MANUFACTURER	MODEL NUMBER	REMARKS
WS-1	EQH HOT WATER	MECH RM	60	2.9	2	198	15	UNITED DISTRIBUTORS	UD-HTS2900HXT	1,2,3,4,5

REMARKS:
1. PROVIDE SYSTEM POWER WITH CORD AND PLUG, FOR EACH RESIN CONTROL SYSTEM.
2. RESIN VOLUMES BASED ON TWO RESIN TANKS.
3. SALT CAPACITY BASED ON TWO BRINE TANKS.
4. SYSTEM PRESSURE LOSS TO BE A MAXIMUM OF 15 PSI AT 1.5 GPM FLOW.
5. LOCATED SYSTEM ON CONCRETE HOUSEKEEPING PAD WITH A MINIMUM OF 6 INCHES LARGER ON ALL SIDES.

DIFFUSER REGISTER AND GRILLE SCHEDULE

MARK	DESCRIPTION	DEFLECTION	MAX. S.P. (IN W.G.)	MAXIMUM NC LEVEL	CONST. MATERIAL	FINISH	FACE SIZE (IN)	MANUFACTURER	MODEL NUMBER	ACCESSORIES	REMARKS
D-1 & D-2	FLAT FACE	4-WAY	0.05	25	STEEL	WHITE	24x24	KRUEGER	FLC	-	1, 2, 3, 7
D-3 & D-4	FLAT FACE	4-WAY	0.05	25	STEEL	WHITE	24x24	KRUEGER	FLC	-	1, 2, 3, 7
LD-1	SLOT	ADJUSTABLE	0.05	25	ALUMINUM	WHITE	SEE PLANS	KRUEGER	10P12	REAR INSULATION BOOT	1, 2, 3, 5
R-1 & R-2	REGISTER	DOUBLE DEFL.	0.05	25	STEEL	WHITE	SEE PLANS	KRUEGER	4F80H	-	1, 2, 3, 4
R-3	REGISTER	DOUBLE DEFL.	0.05	25	STEEL	WHITE	18x6	KRUEGER	4F80H	-	1, 2, 4
R-4	REGISTER	DOUBLE DEFL.	0.05	25	STEEL	WHITE	14x6	KRUEGER	4F80H	-	1, 2, 3, 4
G-1 & G-2	R/A PERFORATED GRILLE	SINGLE DEFL.	0.05	25	STEEL	WHITE	24x24	KRUEGER	640	-	1, 2, 3
G-3	R/A GRILLE	SINGLE DEFL.	0.05	25	STEEL	WHITE	12x12	KRUEGER	640	-	1, 2

REMARKS:
1. COORDINATE ALL FINISHES WITH ARCHITECT/OWNER PRIOR TO ORDER.
2. PROVIDE FRAME COMPATIBLE WITH CEILING TYPE. CONTRACTOR SHALL VERIFY CEILING CONSTRUCTION PRIOR TO FURNISHING MATERIAL. COORDINATE WITH ARCHITECTURAL PLANS.
3. FORWARD CURVED, BACKWARD INCLINED, OR AIRFOIL PROVIDE WITH ROUND OR SQUARE/RECTANGULAR DUCT TO FITTOFF MODEL CFD-10 OR CFD-10B AND OBD MEDIUM PRESSURE BLANKET (EQUAL TO FITTOFF MODEL CFD-10 OR CFD-10B) AND OBD MEDIUM PRESSURE BLANKET (EQUAL TO FITTOFF MODEL OBD-2N) PROVIDING UL CLASSIFIED FIRE ASSEMBLY.
4. PROVIDE WITH HORIZONTAL FRONT BLADES AND OPPOSED BLADE DAMPER.
5. PROVIDE WITH 24"X 24" SIZE SLOTS, WITH VERTICAL EDGE TABLE EDGES AND INTEGRAL SUPPLY AIR PLENUM WITH UL CLASSIFIED FIRE DAMPER ASSEMBLY WITH PUBLIC LINKS, ADJUST SLOTS TO DIRECT AIR FLOW PATTERN TO SAILING EXTERIOR WINDOW AND (1) ALONG CEILING.
6. PROVIDE WITH PANEL ALLOWING SURFACE CONCEALED SYSTEMS FOR SIDEWALL APPLICATIONS.
7. PROVIDE WITH REMOVABLE FACE.

EXPANSION TANK SCHEDULE

MARK	SERVES	LOCATION	TYPE	SYSTEM VOLUME (GALLONS)	CAPACITY (GALLONS) TANK	CAPACITY (GALLONS) ACCEPT.	DIMENSIONS (DIA x H) (IN)	MANUFACTURER	MODEL NO.	REFERENCE SPECIFICATION	REMARKS
ET-1	POTABLE H2O	MECH	VERTICAL	1000	1500	1500	24x96	AMTROL	ST-40V-C	232114	1

REMARKS:
1. PROVIDE EXPANSION TANK WITH ASME CONSTRUCTION, TOP 3 INTEGRAL CONNECTION AND REPLACEABLE BLADDER.

FAN SCHEDULE

MARK	SERVES	TYPE	AIRFLOW (CFM)	EXT. S.P.	FAN RPM	DRIVE	MAX SONES	CONTROL	WEIGHT (LBS)	MANUFACTURER	MODEL NUMBER	REMARKS
EF-1.X	BATH	CEILING CABINET	75	0.375	1170	DIRECT	1.0	SEE ELEC.	± 1.7	GREENHECK	SP-B110	1, 2, 3, 4, 5, 6
EF-2.X	REC ROOMS	CEILING CABINET	225	0.375	1520	DIRECT	2.5	SEE ELEC.	± 2.5	GREENHECK	SP-A300	1, 2, 3, 4, 5, 6
EF-3	WHIRLPOOL	CEILING CABINET	250	0.375	1066	DIRECT	2.5	SEE ELEC.		GREENHECK	SP-A350	1, 2, 3, 4, 5, 6, 7
EF-4	KITCHEN HOOD	UPBLAST	-	-	-	-	-	-	-	-	-	8
EF-5	KITCHEN HOOD	UPBLAST	-	-	-	-	-	-	-	-	-	8
EF-6	EMPLOYEE	CEILING CABINET	280	0.5	1462	DIRECT	7	SEE ELEC.	± 2.7	GREENHECK	G-090-VG	1, 5, 9
EF-7.X	JANITOR	CEILING CABINET	50	0.375	1561	DIRECT	2.0	SEE ELEC.	± 5.2	GREENHECK	SP-B90	1, 2, 3, 4, 5, 6, 7
EF-8.X	RESTROOM	CEILING CABINET	75	0.375	1170	DIRECT	1.0	SEE ELEC.	± 1.7	GREENHECK	SP-B110	1, 2, 3, 4, 5, 6, 7
EF-9	SALON	CEILING CABINET	500	0.5	1070	DIRECT	5.0	SEE ELEC.	± 2.7	GREENHECK	G-090-VG	1, 5, 9

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON ELECTRICAL SHEETS FOR ELECTRICAL DATA.
2. EACH UNIT HAS A UNIQUE IDENTIFIER, THE DIGIT AFTER THE DESIGNAL REFERS BACK TO THE UNIQUE IDENTIFIER.
3. SEE ELECTRICAL PLANS FOR CONTROL REQUIREMENTS.
4. PROVIDE WITH SOLID STATE SPEED CONTROL, 3 WHEEL AND HOLLOW INLET GRILLE, ROOF/SIDE CAPABLE OUTLET DUCT COLLAR (PER PLANS) AND GRAVITY BACK DRAFT DAMPER.
5. PROVIDE WITH TERMINATION AS SHOWN ON PLANS. EAVE VENT, LOUVER OR HOODED WALL CAP TERMINATION TO BE COMPATIBLE WITH ADJACENT CONSTRUCTION AS PROVIDED WITH INTEGRAL BIRDSCREEN. COORDINATE FINAL COLOR OF TERMINATION WITH ARCHITECT/OWNER.
6. WHERE SHOWN ON PLANS, PROVIDE FAN WITH UL CLASSIFIED RADIATION DAMPER, SHIPPED LOOSE AND FIELD INSTALLED IN MEDIUM DUTY RECESSED INLET GRILLE AT FINISHED RATED CEILING.
7. PROVIDE ROOF CURB OR CAP GASKET ROOT WITH INSULATED CURB CURB SIZED TO MATCH ROOF.
8. EQUIPMENT PROVIDED BY FOOD SERVICE CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR.
9. PROVIDE 1 1/2 INCH INSULATED ROOF CURB WITH LOUVRE TO MATCH ROOF.

PLUMBING PUMP SCHEDULE

MARK	SERVES	TYPE	GPM	HEAD FT.	RPM	MANUFACTURER	MODEL NO.	REMARKS
EP-1	ELEVATOR	SUBMERSIBLE	15	25	3,450	LIBERTY	250	1,2
CP-1	HPP HVAC	IN-LINE	5	25	1,750	BELL & GOSSETT	model-A 3545	1,3,4,5
CP-2	HPP HVAC	IN-LINE	2	10	3,250	BELL & GOSSETT	NBF-810	1, 3, 4

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E001 FOR ELECTRICAL DATA.
2. PROVIDE WITH 3" DIAMETER x 3" DEEP PIPE MOUNTING BASE, CYLINDER SYSTEM, PLUG AND CONSOLE.
3. PROVIDE WITH BRONZE OR STAINLESS STEEL CONSTRUCTION FOR POTABLE WATER SYSTEM.
4. PUMP CONTROL THROUGH USE OF ELECTRIC ACTUATOR WITH ADJUSTABLE TEMPERATURE SETTING AND TIMECLOCK.
5. INCLUDED AS PART OF HANFORD MIXING VALVE SYSTEM MM-1.

ELECTRIC UNIT HEATER SCHEDULE

MARK	SERVES	LOCATION	CONFIGURATION	HEATING CAPACITY (KW)	AIRFLOW (CFM)	DIMENSIONS (LxWxH) (IN)	MANUFACTURER	MODEL	REMARKS
EUH-1.1	SEE PLANS	WALL	RECESSED	4.00	100	19 x 6 x 19	QMARK	HCS04F4BW	1,4
EUH-2.1	SEE PLANS	WALL	HORIZONTAL	5.00	350	19 x 8 x 15	QMARK	HUH05-01	1,5
EUH-3.1	SEE PLANS	CEILING	RECESSED	5.00	300	24 x 28 x 7	QMARK	CDF-05A	1,3
EUH-4.1	SEE PLANS	WALL	HORIZONTAL	5.00	350	19 x 8 x 15	QMARK	HUH05-01	1,5
RCP-1	VENDOR CARE	CEILING	SURFACE	0.75	-	48 x 24 x 1	QMARK	CP30-F	1,2

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E002 FOR ELECTRICAL DATA.
2. PROVIDE 24" RECESS CEILING PANEL WITH SURFACE MOUNTING FRAME.
3. PROVIDE WITH INTEGRAL DISCONNECT, INTEGRAL THERMOSTAT, AND RECESSED MOUNTING ENCLOSURE. COORDINATE COLOR FINISH WITH ARCHITECT.
4. PROVIDE 12" RECESSED MOUNTING ENCLOSURE.
5. PROVIDE WITH INTEGRAL DISCONNECT AND THERMOSTAT. PROVIDE WALL MOUNTING SUPPORT BRACKET.

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The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

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MECHANICAL SCHEDULES

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PLUMBING EQUIPMENT AND CONNECTION SCHEDULE

SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS

MARK	DESCRIPTION	BASIS OF DESIGN	CONNECTION DETAILS
SH-1 INDIVIDUAL SHOWER (TRANSFER SHOWER)	SURROUND HORIZONTAL L-SHAPED GRAB BAR, L-SHAPED FOLD-UP PHENOLIC WHITE SEAT, SS TRENCH DRAIN, TEXTURED BOTTOM, 1 1/8" SWIFT AND 12" HIGH THRESHOLD, SHOWER CURTAIN, ADA GRAB BAR, REINFORCED SLIDER AB SWY AND HAND SHOWER (2.5 GPM). SIZE: 36"x36"x77 3/4"	SURROUND: ASURA KSF3636FTCCL DRAIN: INTEGRAL VALVE: SYMMONS SHNS-2LX-S SLIDE BAR: T-4688-V	WASTE: 2" VENT: 1 1/2" CW: 1/2" HW: 1/2" REMARKS: -
SH-2 INDIVIDUAL SHOWER (ROLLIN SHOWER)	SURROUND: 1-PIECE ROLL-IN SHOWER, SS TRENCH DRAIN, TEXTURED BOTTOM, 1 1/4" SWIFT AND 12" HIGH THRESHOLD, SLIDE/ADA GRAB BAR AND HAND SHOWER (2.5 GPM), L-SHAPED FOLD-UP PHENOLIC WHITE SEAT. SIZE: 60"(3) 1/8"x77 3/4".	SURROUND: ASURA KSF6032TRCCL DRAIN: INTEGRAL VALVE: SYMMONS SHNS-2LX-S SLIDE BAR: SYMMONS T-4688-V	WASTE: 2" VENT: 1 1/2" CW: 1/2" HW: 1/2" REMARKS: -
WC-1 WATER CLOSET	BOWL: 1.6 GPF, TWO-INCH FULLY GLAZED TRAPWAY, 12" ROUGH-IN, SIPHON JET, SEAT: CLOSED FRONT WITH COVER FOR ELONGATED,	BOWL: MANSFIELD M131-ET(2) SEAT: CHURCH C170 STOP: BRASSCRAFT CC0136-6X6 HOSE: JONES J-550217	WASTE: 4" VENT: 2" CW: 1/2" HW: - REMARKS: COORDINATE FLUSH HANDLE LOCATION WITH STALL ORIENTATION
WC-2 WATER CLOSET	BOWL: ADA COMPLIANT, 1.6 GPF, TWO-INCH FULLY GLAZED TRAPWAY, 12" ROUGH-IN, SIPHON JET, SEAT: CLOSED FRONT WITH COVER FOR ELONGATED,	BOWL: MANSFIELD M131-150 SEAT: CHURCH C170 STOP: BRASSCRAFT CC0136-6X6 HOSE: JONES J-550217	WASTE: 4" VENT: 2" CW: 1/2" HW: - REMARKS: COORDINATE FLUSH HANDLE LOCATION WITH STALL ORIENTATION
WC-3 FLOOR MOUNTED CLOSET	FIXTURE: WALL HUNG, SIPHON JET, VITREOUS CHINA, ELONGATED BOWL, TOP SPUD, 2 1/8" PASSAGEWAY, WHITE, VALVE: 115V WIRED SENSOR, DUMP/HIGH TYPE, TRIP/DRAIN, MECHANICAL OVERRIDE, 1.6 GALLONS PER FLUSH, SEAT: SOLID PLASTIC, ELONGATED, WHITE, CHECK HINGE, OPEN FRONT WITHOUT COVER, CARRIER FOR STANDARD WATER CLOSET MOUNTING HEIGHT, FACEPLATES, COUPLING (3) WITH GASKETS, REET, FIXTURE BOLTS, AND HARDWARE MATCHING FIXTURE. (ADA, WALL, 115V)	FIXTURE: KOHLER TWINS DAY K-4325 VALVE: SLOAN ROYAL OPTIMA 111 ES-0.1WD SEAT: OLSONITE 183SCT	WASTE: 4" VENT: 2" CW: 1" HW: - REMARKS: -
WC-4 WATER CLOSET	FIXTURE: WALL HUNG, SIPHON JET, VITREOUS CHINA, ELONGATED BOWL, TOP SPUD, 2 1/8" PASSAGEWAY, WHITE, VALVE: 115V WIRED SENSOR, DUMP/HIGH TYPE, TRIP/DRAIN, MECHANICAL OVERRIDE, 1.6 GALLONS PER FLUSH, SEAT: SOLID PLASTIC, ELONGATED, WHITE, CHECK HINGE, OPEN FRONT WITHOUT COVER, CARRIER FOR ADA ACCESSIBLE MOUNTING HEIGHT, FACEPLATES, COUPLINGS WITH GASKETS, FEET, FIXTURE BOLTS, AND HARDWARE MATCHING FIXTURE. (ADA, WALL, 115V)	FIXTURE: KOHLER TWINS DAY K-4325 VALVE: SLOAN ROYAL OPTIMA 111 ES-0.1WD SEAT: OLSONITE 183SCT	WASTE: 4" VENT: 2" CW: 1" HW: - REMARKS: -

REMARKS
1) COORDINATE ALL PLUMBING FIXTURES EXACT FINISH WITH ARCHITECTURAL.
2) LOCATE FLOOR SINKS SERVING WHIRLPOOLS PER MANUFACTURERS RECOMMENDATIONS.

PLUMBING EQUIPMENT AND CONNECTION SCHEDULE

SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS

MARK	DESCRIPTION	BASIS OF DESIGN	CONNECTION DETAILS
DN DOWN SPOUT NOZZLE	NICKEL BRONZE, WITH THREADED INLET AND WALL FLANGE COVER, BIRD SCREEN.	JR SMITH 1771	WASTE: - VENT: - CW: - HW: - REMARKS: SEE PLANS FOR OVERFLOW ROOF DRAIN SIZES.
UR-1 URINAL	VITREOUS CHINA, SIPHON JET, 3/4" TOP SPUD, 0.5 GPF, 14-1/2" EXTENDED RIM, VALVE: OSCILLATING LEVER HANDLE, DIAPHRAGM TYPE, 1.0 GALLONS PER FLUSH, SUPPORT: WALL SUPPORT CARRIER PLATE WITH SUPPORT STUDS FOR USE WITH FIXTURE BOLTS, AND HARDWARE MATCHING FIXTURE.	BOWL: KOHLER K-4924-ET-0 VALVE: S. DAN TRO WAL MODEL 186-1.0	WASTE: 2" VENT: 1 1/2" CW: 3/4" HW: - REMARKS: -
LV-1 LAVATORY	BOWL: 20.5"x17" OVAL, SELF-RIMMING, 17"x11-5/8" BASIN, ADA COMPLIANT, CONCEALED OVERFLOW BOWL HOLES SHALL MATCH FAUCET. FAUCET: SINGLE HANDLE, 8"CENTERS, 1/2"-14 NPSM THREADED VALVE INLET ADAPTERS, MAX FLOW RATE 1.5 GPM @ 60PSI.	BOWL: MANSFIELD 143237WH FAUCET: PERFLESS P131LF DRAIN: DEARBORN DT69T STOP: BRASSCRAFT CC0136-6X HOSE: JONES J554201 P-TRAP: DEARBORN DT69 INSULATION: T16352 TRUEBRO	WASTE: 1 1/4" VENT: 1 1/4" CW: 1/2" HW: 1/2" REMARKS: (1)
LV-2 LAVATORY	BOWL: WHITE, VITREOUS CHINA, WALL HUNG, WITH OVERFLOW AND CONCEALED ARM CARRIER, SIZE 21 1/8. SUPPORT: CONCEALED ARM WALL SUPPORTED CARRIER WITH HARDWARE TO MATCH FAUCET: SINGLE HANDLE, 8"CENTERS, 1/2"-14 NPSM THREADED VALVE INLET ADAPTERS, MAX FLOW RATE 1.5 GPM @ 60PSI.	BOWL: KOHLER K2005-0 FAUCET: PERFLESS P131LF DRAIN: DEARBORN DT69T STOP: BRASSCRAFT CC0136-6X HOSE: JONES J554201 P-TRAP: DEARBORN DT69 INSULATION: T16352 TRUEBRO	WASTE: 1 1/4" VENT: 1 1/4" CW: 1/2" HW: 1/2" REMARKS: (1)
S-1 SINK	BOWL: 43G GAUGE NICKEL-BEARING STAINLESS STEEL, UNDERSIDE FULLY UNDERCOATED TO PREVENT CONDENSATION AND DEADENSOUND, PUNCHED TO MATCH FAUCET. OVERALL SIZE: 33"x19" DEEP. FAUCET: TWO HANDLE, SWING SPOUT FOR EXPOSED MOUNTING, 8"CENTERS, 12" HIGH AND 9" LONG SPOUT, SWIVELS 360 DEGREE.	BOWL: DAYTON DSE2819 FAUCET: PERFLESS P299.HBLF DRAIN: DEARBORN 811 P-TRAP: DEARBORN DT69	WASTE: 1 1/2" VENT: 1 1/2" CW: 1/2" HW: 1/2" REMARKS: -
S-2 SINK	BOWL: #22 GAUGE, TYPE 303 SERIES, NICKEL-BEARING 37 HALCO STEEL, TOP MOUNT, OVERALL SIZE: 25"x21"x5" FAUCET: TWO HANDLE, SWING SPOUT FOR EXPOSED MOUNTING, 8"CENTERS, 12" HIGH AND 9" LONG SPOUT, SWIVELS 360 DEGREE.	BOWL: DAYTON D12521 FAUCET: PERFLESS P299.HBLF DRAIN: DEARBORN D-47 STOP: BRASSCRAFT CC0136-6X HOSE: JONES SRLS12 STRAINER: DEARBORN 811 P-TRAP: DEARBORN DT69	WASTE: 1 1/2" VENT: 1 1/2" CW: 1/2" HW: 1/2" REMARKS: -
S-3 SINK	BOWL: SINGLE BOWL, SELF-RIMMING, COUNTER MOUNTED, CULTURED MARBLE BOWL WITH FAUCET LEDGE. SINK TO BE PROVIDED COMPLETE WITH FAUCET ASSEMBLY, HOSE, AND VACUUM BREAKER, DRAIN, GASKET STRAINER DRAIN. OVERALL SIZE: 21 1/2"x17-1/8"x10 3/4" DEEP.	BOWL: MARBLE PRODUCTS MODEL #4000 STOP: BRASSCRAFT CC0136-6X P-TRAP: DEARBORN DT69 HAIR TRAP: MARBLE 1 TP	WASTE: 1 1/2" VENT: 1 1/2" CW: 1/2" HW: 1/2" REMARKS: PROVIDE WITH CEILING MODEL 1791 "CATCH-ALL" HAIR TRAP.
S-4 SINK	BOWL: 403 GAUGE, 300 SERIES, NICKEL BEARING STAINLESS STEEL, TOP MOUNT, UNDERSIDE FULLY COATED TO REDUCE CONDENSATION AND DAMPEN SOUND. SIZE: 15"x15"x5-5/8" DEEP. FAUCET: TWO HANDLE, SWING, SPOUT FOR EXPOSED MOUNTING, 8"CENTERS, 12" HIGH AND 9"LONG SPOUT, SWIVELS 360 DEGREE.	BOWL: DAYTON 6119-1-3 FAUCET: PERFLESS P299.HBLF DRAIN: DEARBORN DT69A STOP: BRASSCRAFT CC0136-6X HOSE: JONES SRLS12 P-TRAP: DEARBORN DT69	WASTE: 1 1/2" VENT: 1 1/2" CW: 1/2" HW: 1/2" REMARKS: -
S-5 UTILITY SINK	BOWL: ST AND MOUNTED STRUCTURAL PLASTIC LAUNDRY TUB. SIZE: 22"x21"x13" DEEP. FAUCET: METAL CONSTRUCTION CHROME PLATED FINISH, WING BLADE STYLE HANDLES WITH HOT AND COLD COLOR INDICATORS.	BOWL: MUSTEE FAUCET: MOEN 8891 STOP: BRASSCRAFT CC0136-6X HOSE: JONES J554201 P-TRAP: DEARBORN DT69	WASTE: 1 1/2" VENT: 1 1/2" CW: 1/2" HW: 1/2" REMARKS: -
MS-1 MOP SINK	BASIN: OVERALL OUTSIDE DIMENSIONS: 24"x24"x10", 10" HIGH WALLS WITH NOT LESS THAN 1" HIDE, DOME STRAINER AND UNIT BASKET WIDE FROM STAINLESS STEEL SHALL BE INCLUDED. FAUCET: CHROME-PLATED CAST BRASS, 8" SINK FAUCET WITH QUARTER TURN CERAMIC DISC CARTRIDGES, 36" SHORT SWIVEL INLETS, INTEGRAL SERVICE STOPS AND 4.0" CENTERLINE CAST BRASS SPOUT WITH CHEMICAL RESISTANT VACUUM BREAKER, 3/4" HOSE THREADED OUTLET, PAIL HOOK AND ADJUSTABLE WALL BRACE, WARDA, #834E1 PAT COLOR-CODED METAL LEVER HANDLES.	BASIN: FIAT MSB2424A FAUCET: ZURN Z843M1XC ACCESSORIES: FIAT FB30AA	WASTE: 3" VENT: 1 1/2" CW: 3/4" HW: 3/4" REMARKS: -

PLUMBING EQUIPMENT AND CONNECTION SCHEDULE

SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS

MARK	DESCRIPTION	BASIS OF DESIGN	CONNECTION DETAILS
WP-1 WHIRLPOOL	ARCHAUTHLEIGH PARKER BATH, SIDE-ENTRY DOOR BATHTUB WITH ELECTRONICALLY CONTROLLED HEIGHT-RECLINING CONFIGURATION, PROVIDED WITH INTEGRATED THERMOSTATIC WATER CONTROLS FOR WATER FILLING AND MONITORING OF WATER TEMPERATURE, THERAPEUTIC AIR SPA JET SYSTEM, SOFT-TOUCH GRAB HANDRAILS, GLASS-REINFORCED PLASTIC TUB, AND BRACKET AT DRAIN HOSE ALLOWING AIR GAP DRAIN DISCHARGE OVER FLOOR DRAIN. BRACED HOSES FOR HOT WATER AND COLD WATER. DRAIN: 1 1/2" DRAIN HOSE PROVIDED (WITH UNIT) SUPPLIES: 3/4"x10' 6.0 GL/HR H/R CONNECTIONS (30.4 GL/MIN FLOW CAPACITY) OVERALL SIZE: 71 1/8"LONG x 29 1/2"WIDE x 76 7/8" (WITH DOOR EXTENDED UPON OPENING) ELECTRICAL REQUIREMENTS: 120 VOLT, 1-PHASE.	WHIRLPOOL BATH "ARCHAUTHLEIGH PARKER BATH"	WASTE: 1 1/2" VENT: - CW: 3/4" HW: 3/4" REMARKS: ROUTE DRAIN OVER NEAREST FLOOR DRAIN WITH MINIMUM 1" AIR GAP.
DB-1 OUTLET BOX	RECESSED, 2" DRAIN OPENING, HIGH IMPACT POLYETHYLENE, 4 SUPPORT BRACKET SINGLE GANG FOR MOUNTING, EASY TO REMOVE 12" TOP MOUNT KNOCKOUTS, SNAP-ON FACEPLATE FRAME. 1/4" TURN BRASS BALL VALVES.	GATEY G38934	WASTE: 2" VENT: 1 1/2" CW: 1/2" HW: 1/2" REMARKS: PROVIDE 4 MINIMUM 30" P-WASTE STANDPIPE.
HB-1 HOSE BIBB	ASSE 1019, SELF DRAINABLE WITH INTEGRAL NON-REMOVABLE HOSE CONNECTION VACUUM BREAKER, CASING AND OPERATING ROD TO MATCH WALL THICKNESS, PROJECTING OUTLET, AND WALL CLAMP. CLASSIFICATION TYPE A, FOR AUTOMATIC DRAINING WITH HOSE REMOVED. NOZZLE AND WALL PLATE FINISH: POLISHED NICKEL.	ZURN Z816	WASTE: - VENT: - CW: 3/4" HW: - REMARKS: -
HB-1 HOSE BIBB	ASSE 1011, ROUGH BRASS WITH ANTI-SIPHON VACUUM BREAKER COUPLING WITH ASSE 1011, LOCATE HOSE SIDE A MINIMUM OF 12" AFF.	WOODFORD 45-4/5	WASTE: - VENT: - CW: 3/4" HW: - REMARKS: -
MV-1 MIXING VALVE	MASTER WATER MIXING CONTROL VALVES, PARALLEL ARRANGEMENT, THERMOSTATIC TYPE WITH (2) BALANCED PLUG STOP, ENGINE, WITH BRONZE CONSTRUCTION WITH REPLICEABLE CORROSION-RESISTANT COMPONENTS, STAINLESS STEEL PISTON AND LINERS, REMOVABLE UNIDENSO STOP AND CHECK INLETS WITH STAINLESS STEEL STRAINERS, AND DIAL THERMOMETER AND SHUT-OFF VALVE AT OUTLET. FLOW: 1 GPM AT 20 PSI PRESSURE DROP.	LAVLEY SERIES #62 HIGHLOW WATER MANY MODEL NO. 9903	WASTE: - VENT: - CW: 1" HW: 1" REMARKS: -
FD-1 FLOOR DRAIN	DRAIN: COMPLY WITH ASME A112.21.1M, CAST IRON BODY AND TOP, AND ROUND, ADJUSTABLE, NICKEL BRONZE STRAINER.	DRAIN: JRS 218-12 L DRAIN SEAL SURE SEAL TRAP GUARD OR EQUAL	WASTE: - VENT: - CW: - HW: - REMARKS: SEE PLANS FOR SIZES.
FD-2 FLOOR DRAIN	CAST IRON BODY COATED TO PROTECT AGAINST CORROSION, ADJUSTABLE SQUARE NICKEL BRONZE STRAINER.	DRAIN: JRS 218-12L DRAIN SEAL SURE SEAL TRAP GUARD OR EQUAL	WASTE: - VENT: - CW: - HW: - REMARKS: SEE PLANS FOR SIZES.
FD-3 FLOOR SINK	CAST IRON BODY WITH A WHITE ACID-RESISTING PORCELAIN ENAMEL INTERIOR COATING, ABS ANTI-SPLASH DOME STRAINER.	ZURN RD 2376-P	WASTE: - VENT: - CW: - HW: - REMARKS: SEE PLANS FOR SIZES (2).
RD-1 ROOF DRAIN	COMPLY WITH ASME A112.21.2M, ROOF DRAIN WITH CAST IRON BODY, COMBINATION FLASHING RING AND GRAVEL STOP, UNDERDECK CLAMP AND CAST IRON ALUMINUM DOME.	JR SMITH 1010	WASTE: - VENT: - CW: - HW: - REMARKS: SEE PLANS FOR ROOF DRAIN SIZES.
OD-1 OVERFLOW DRAIN	COMPLY WITH ASME A112.21.2M, OVERFLOW DRAIN WITH CAST IRON BODY, COMBINATION FLASHING RING AND GRAVEL STOP, UNDERDECK CLAMP, CAST IRON STANDPIPE, AND CAST IRON OR ALUMINUM DOME.	JR SMITH 1010	WASTE: - VENT: - CW: - HW: - REMARKS: SEE PLANS FOR OVERFLOW ROOF DRAIN SIZES.

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The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

#	Issue/Description	Date
4	Issued For Const. / AS #1	02/22/19

Project #: 161001

Issued For Construction
February 22, 2019

PLUMBING SCHEDULES

M701

ELECTRICAL SYMBOLS

LIGHTING AND POWER

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
#	SURFACE MOUNTED CEILING FIXTURE (# INDICATES FIXTURE NUMBER IN SCHEDULE)	#	SURFACE MOUNTED WALL FIXTURE (# INDICATES FIXTURE NUMBER IN SCHEDULE)	#,	CEILING MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW, SHADING INDICATES FACE (# INDICATES FIXTURE NUMBER IN SCHEDULE)
#	RECESSED MOUNTED CEILING FIXTURE (# INDICATES FIXTURE NUMBER IN SCHEDULE)	#	RECESSED MOUNTED WALL FIXTURE (# INDICATES FIXTURE NUMBER IN SCHEDULE)	#,	WALL OR END MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW, SHADING INDICATES FACE (# INDICATES FIXTURE NUMBER IN SCHEDULE)
#,	PENDANT MOUNTED CEILING FIXTURE (# INDICATES FIXTURE NUMBER IN SCHEDULE)	#	STRIP LIGHT (# INDICATES FIXTURE NUMBER IN SCHEDULE)	#,	COMBINATION CEILING MOUNTED EXIT / EMERGENCY BATTERY LIGHT WITH DIRECTIONAL ARROW, SHADING INDICATES FACE (# INDICATES FIXTURE NUMBER IN SCHEDULE)
#	IN GRADE/FLOOR FIXTURE (# INDICATES FIXTURE NUMBER IN SCHEDULE)	#	BRACKET FIXTURE (# INDICATES FIXTURE NUMBER IN SCHEDULE)	#,	COMBINATION WALL MOUNTED EXIT / EMERGENCY BATTERY LIGHT WITH DIRECTIONAL ARROW, SHADING INDICATES FACE (# INDICATES FIXTURE NUMBER IN SCHEDULE)
#	SHADING INDICATES FIXTURE ONE HALF/EACH CIRCUIT OR WITH BATTERY BACKUP	#	TRACK MOUNTED FIXTURE (# INDICATES FIXTURE NUMBER IN SCHEDULE)	#,	EMERGENCY BATTERY LIGHT (# INDICATES FIXTURE NUMBER IN SCHEDULE)
#	UNDERCABINET LIGHT (# INDICATES FIXTURE NUMBER IN SCHEDULE)	#	CEILING FAN - NUMBER OF BLADES IN SCHEDULE (# INDICATES FIXTURE NUMBER IN SCHEDULE)	#	ABOVE GRADE FIXTURE (# INDICATES FIXTURE NUMBER IN SCHEDULE)
	ARROW INDICATES WALL WASH FIXTURE	#	THEATER SPOTLIGHT (# INDICATES FIXTURE NUMBER IN SCHEDULE)	#-(-)-□	POLE LUMINAIRE (# INDICATES FIXTURE NUMBER IN SCHEDULE)
S	SINGLE POLE SWITCH	#	SIMPLEX RECEPTACLE		LIGHTING PANEL
$_{D2}$	DOUBLE POLE SWITCH	# GFCI,U	DUPLEX RECEPT ACLE "GFCI" SUBSCRIPT INDICATES GFCI, "T" SUBSCRIPT INDICATES T AMPER RESISTANT TYPE, "U" SUBSCRIPT INDICATES COMBINATION USB CHARGING STATION		DIMMING RELAY PANEL
$_{S3}$	3-WAY SWITCH				DISTRIBUTION PANEL, SWITCHBOARD, OR MOTOR CONTROL CENTER
$_{S4}$	4-WAY SWITCH	#	AUTOMATICALLY CONTROLLED DUPLEX RECEPT ACLE	T	TRANSFORMER
$_{SD}$	DOOR SWITCH	#	ISOLATED G ROUND DUPLEX RECEPT ACLE	ATS	AUTOMATIC TRANSFER SWITCH
$_{SMC}$	MOMENTARY CONTACT SWITCH	#	HOSPITAL GRADE DUPLEX RECEPT ACLE		ENCLOSED CIRCUIT BREAKER
$_{ST}$	TIMER SWITCH	#	RED DUPLEX RECEPT ACLE		SINGLE PHASE MAGNETIC MOTOR STARTER
$_{STE}$	SINGLE POLE MANUAL MOTOR STARTER WITH THERMAL OVERLOAD AND PILOT LIGHT	#	DUPLEX RECEPT ACLE - SPLIT WIRED		THREE PHASE MAGNETIC MOTOR STARTER
	SWITCH AND FUSE	#	DRYER RECEPT ACLE NEMA 14-30 (125/250V 3Ø)		COMBINATION MAGNETIC STARTER/DISCONNECT
	SWITCH AND FUSTAT	#	SPECIAL PURPOSE RECEPT ACLE (NEMA CONFIGURE AS NOTED)		SAFETY SWITCH (FUSED UNLESS OTHERWISE NOTED)
$	LOW VOLTAGE SWITCH	#	HORIZONTAL MOUNTED DUPLEX RECEPT ACLE	M	MOTOR
	MANUAL DIMMER FOR FAN SPEED CONTROL	#	RANGE RECEPT ACLE NEMA 14-50 (125/250V 3Ø)	PB	PULL BOX
	CEILING MOUNTED OCCUPANCY SENSOR	# IR	WELDER RECEPT ACLE NEMA 6-50 (250V 1Ø)		WALL MOUNTED JUNCTION BOX
	WALL MOUNTED OCCUPANCY SENSOR/SWITCH	#	DOUBLE DUPLEX RECEPT ACLE	J#	JUNCTION BOX ("#" INDICATES FLOOR, "C" INDICATES CEILING)
	PUSH BUTTON STATION	#	(1) DUPLEX, (1) DUPLEX AUTOMATICALLY CONTROLLED		BRANCH CIRCUIT - EXPOSED
	PHOTOCELL CEILING MOUNTED	#	ISOLATED G ROUND DOUBLE DUPLEX RECEPT ACLE		BRANCH CIRCUIT - CONCEALED IN CEILING OR WALL
	PHOTOCELL WALL MOUNTED	#	RED DOUBLE DUPLEX RECEPT ACLE		BRANCH CIRCUIT CONCEALED IN FLOOR (UNDERGROUND IF EXTERIOR)
	TIME SWITCH		RECEPT ACLE IN A V BOX		HOMERUN TO PANEL (NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS)
	RELAY		WALL CLOCK HANGER RECEPT ACLE		SPECIAL PURPOSE HOMERUN AS INDICATED
ER	EMERGENCY LIGHTING RELAY	#	CEILING MOUNTED DUPLEX RECEPT ACLE		CONDUIT SEAL
	LIGHTING CONTACTOR	#	CEILING MOUNTED DOUBLE DUPLEX RECEPT ACLE		CIRCUIT DOWN
#,	COMBINATION POWER/DATA FLOOR OUTLET (*# INDICATES DEVICE TYPE IN SCHEDULE)	#	CEILING MOUNTED RED DUPLEX RECEPT ACLE		CIRCUIT UP
#,	COMBINATION POWER/DATA FLOOR OUTLET (*# INDICATES DEVICE TYPE IN SCHEDULE)	#	CEILING MOUNTED SPECIAL PURPOSE RECEPT ACLE		CONDUIT STUB-OUT
#,	COMBINATION POWER/DATA/TV FLOOR OUTLET (*# INDICATES DEVICE TYPE IN SCHEDULE)	#	CEILING MOUNTED SIMPLEX RECEPT ACLE		CIRCUIT BREAK
	COMBINATION TELEPHONE/DATA/TV TABLE TOP OUTLET (*# INDICATES DEVICE TYPE IN SCHEDULE)	#	FLOOR MOUNTED DUPLEX RECEPT ACLE		CORD AND PLUG
	MULTI-OUTLET ASSEMBLY - LENGTH AS INDICATED	#	RECEPT ACLE IN CEILING AV BOX		LIGHTING CIRCUIT ZONE BOUNDARY
	MECH EQUIPMENT WITH ELEC CONNECTION, SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE	XXMP	LIGHTING ZONE CIRCUIT DESIGNATION, "XX" INDICATES PANEL NAME, "##" INDICATES CIRCUIT NUMBER	(X)	BRANCH CIRCUIT/FEEDER SIZE - SEE FEEDER AND BRANCH CIRCUIT SCHEDULE
		X	LIGHTING CONTROL - SEE LIGHTING CONTROL SCHEDULE		

FIRE DETECTION AND ALARM

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FIRE ALARM AUTOMATIC SMOKE DETECTOR	F	FIRE SPRINKLER VALVE TAMPER SWITCH		FIRE ALARM BEAM DETECTOR AND REFLECTOR
SB	FIRE ALARM AUTOMATIC SMOKE DETECTOR WITH SOUNDER BASE	F	FIRE SPRINKLER FLOW SWITCH	FACP	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM AUTOMATIC WALL SMOKE DETECTOR	F	CEILING RATED ALARM HORN AND LIGHT COMBINATION (# INDICATES CANDELA RATING)	FACP	FIRE ALARM CONTROL PANEL
	FIRE ALARM AUTOMATIC CEILING HEAT DETECTOR	F	CEILING RATED ALARM LIGHT	F	FIRE FIGHTER'S TELEPHONE JACK
	FIRE ALARM AUTOMATIC WALL HEAT DETECTOR	F	WALL RATED ALARM LIGHT		FIRE ALARM MAGNETIC DOOR HOLDER
F	FIRE ALARM MANUAL STATION	F	CEILING RATED ALARM SPEAKER AND LIGHT COMBINATION	F S/D M	COMBINATION FIRE/SMOKE DAMPER
F CM	FIRE ALARM CONTROL MODULE	F	WALL RATED ALARM SPEAKER AND LIGHT COMBINATION	S/D M	SMOKE DAMPER
F MM	FIRE ALARM MONITOR MODULE	F	FIRE ALARM CEILING SPEAKER		SAMPLING TUBE TYPE SMOKE DETECTOR
	FIRE ALARM HORN AND LIGHT COMBINATION	F	FIRE ALARM WALL SPEAKER		

TELECOMMUNICATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	COMMUNICATIONS OUTLET		CEILING COMMUNICATIONS OUTLET		FLOOR COMMUNICATIONS OUTLET
	SPECIAL SERVICES COMMUNICATIONS OUTLET		MUTOA - MULTI-USER TELECOMMUNICATIONS OUTLET ASSEMBLY	C#/G X	UNSHIELDED TWISTED PAIR COPPER CABLE "C" INDICATES CATEGORY NUMBER "#" INDICATES NUMBER OF PAIRS "G" INDICATES AWG, "X" INDICATES CABLE NAME
	WIRELESS ACCESS POINT	A X	CABLE SLACK ("X" INDICATES SLACK LENGTH)		
#F/#F X	FIBER OPTIC CABLE (*# INDICATES NUMBER OF STRANDS **# INDICATES TYPE AND "X" INDICATES CABLE NAME)	XXX	CABLE PROTECTOR ("XXX" INDICATES NUMBER OF PROTECTORS)	X	CROSS-CONNECT FIELD
	COMBINATION DATA/TV FLOOR OUTLET (*# INDICATES DEVICE TYPE IN SCHEDULE)		CEILING MOUNTED DAS ANTENNA		SPLICE
	AV GEAR BOX, REFER TO SCHEMATICS AND SPECIFICATIONS		WALL MOUNTED DAS ANTENNA	T	MECHANICAL TERMINATION OF CABLE

AUDIO/VISUAL

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WALL/SURFACE MOUNTED LOUDSPEAKER (*# INDICATES DEVICE TYPE IN SCHEDULE)	#	CEILING MOUNTED LOUDSPEAKER (*# INDICATES DEVICE TYPE IN SCHEDULE)	#	GROUND FLOOR MOUNTED LOUDSPEAKER (*# INDICATES DEVICE TYPE IN SCHEDULE)
	TELEVISION / MODEM OUTLET	V	VOLUME CONTROL		PROJECTOR (*# INDICATES DEVICE TYPE IN SCHEDULE)
C	CALL IN SWITCH	#	WALL MICROPHONE OUTLET (*# INDICATES DEVICE TYPE IN SCHEDULE)	#	CEILING MOUNTED FLAT PANEL DISPLAY (*# INDICATES DEVICE TYPE IN SCHEDULE)
#	AV WALL OUTLET (*# INDICATES DEVICE TYPE IN SCHEDULE)	#	FLOOR MICROPHONE OUTLET (*# INDICATES DEVICE TYPE IN SCHEDULE)	#	WALL MOUNTED FLAT PANEL DISPLAY (*# INDICATES DEVICE TYPE IN SCHEDULE)
#	FLOOR A/V OUTLET (*# INDICATES DEVICE TYPE IN SCHEDULE)	# SPF,#	AV CEILING OUTLET (*SP" INDICATES SURFACE OR FLUSH MOUNTED *# INDICATES DEVICE TYPE IN SCHEDULE)		FRONT / REAR PROJECTION SCREEN OR INTERACTIVE WHITEBOARD (*# INDICATES DEVICE TYPE IN SCHEDULE)
#	AV ROOM SCHEDULER (*# INDICATES DEVICE TYPE IN SCHEDULE)	#	AV CONTROL PANEL (*# INDICATES DEVICE TYPE IN SCHEDULE)	# (2)(3)	AV CAMERA (*# INDICATES DEVICE TYPE IN SCHEDULE)
#	AV SHORED PWR INDICATES DEVICE TYPE IN SCHEDULE) (NOT INDICATES # OF DATA CABLES)	#	AV CEILING BACKBOX (*# INDICATES DEVICE TYPE IN SCHEDULE) (NOT INDICATES # OF DATA CABLES)		

SECURITY

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WALL MOUNT MOTION SENSOR (90 = 90°, 180 = 180°, NB = NARROW BEAM)	C	POINT OF CONNECTION FOR DEVICE BY ELECTRICAL CONTRACTOR	KP	SECURITY KEYPAD DEVICE
	CEILING MOUNT MOTION SENSOR	GB	GLASS BREAK SENSOR	KS	KEY SWITCH
	SOUNDER	IC SUB	INTERCOM STATION ("S" SUBSTATION, "M" MASTER STATION)	PS	DOOR LOCK POWER SUPPLY
	STROBE	J S	JUNCTION BOX FOR SPECIALTY SECURITY SENSOR	RA	REMOTE ANNUNCIATOR DEVICE
M	ACCESS CONTROL DEVICE LOCATION *M INDICATES MULLION MOUNT	# GD	AUTOMATIC OPERATOR CONNECTION POINT ("G" GATE, "D" DOOR)	REQ/M,P	REQUEST TO EXIT DEVICE ("M" MOTION SENSOR, "P" PUSH BUTTON)
	ELECTRONICALLY CONTROLLED AND MONITORED DOOR LOCATION (REFER TO ACCESS CONTROL OPENING SCHEDULE)	CB#	FIXED BOX CAMERA (*# INDICATES NUMBER IN CCTV SCHEDULE)	SD	SECURITY EQUIPMENT CABINET(S), TYPE AND QUANTITY MAY VARY FROM WALL MOUNTED, FREE STANDING RACKS, OR EXTERIOR RATED, REFER TO DETAILS
	MONITORED DOOR LOCATION (REFER TO ACCESS CONTROL OPENING SCHEDULE)	CD#	FIXED DOME CAMERA (*# INDICATES NUMBER IN CCTV SCHEDULE)	CD#	PTZ DOME CAMERA (*# INDICATES NUMBER IN CCTV SCHEDULE)
		PB	SECURITY PUSH BUTTON (TEXT INDICATES PANIC ALARM OR DOOR RELEASE)		

ELECTRICAL SYMBOLS

PATHWAYS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GROUND BAR		CONDUIT SLEEVE WITH BUSHINGS		DISTRIBUTION BOX/RACK
	WALL MOUNT TELECOMMUNICATIONS EQUIPMENT		J-HOOK STYLE CABLE HANGERS		CABLE TRAY DROP OUT
#,	CABLE TRAY (*# INDICATES TRAY DIMENSIONS)		CABLE TRAY - LADDER TYPE (*# INDICATES TRAY DIMENSIONS)	#,	CABLE TRAY - SOLID BOTTOM (*# INDICATES TRAY DIMENSIONS)
#,	CABLE TRAY - RUNG TYPE (*# INDICATES TRAY DIMENSIONS)			#	EQUIPMENT RACK (*# INDICATES RACK NUMBER AND FRONT OF RACK)

MISCELLANEOUS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WALL MOUNTED CLOCK	C	CHIME	AD	AQUASTAT
DF	DOUBLE FACE CLOCK	B	BUZZER		THERMOSTAT
MT	COMBINATION CLOCK / SPEAKER UNIT	SV	ELECTRIC SOLENOID VALVE		BELL

SUBSCRIPTS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
EP	SUBSCRIPT "EP" APPLIED TO ANY SYMBOL INDICATES EXPLOSION PROOF, CLASS, GROUP AND DIVISION AS NOTED	RT	SUBSCRIPT "RT" APPLIED TO ANY SYMBOL INDICATES MAINTENANCE-IN OR EQUIVALENT	WP	SUBSCRIPT "WP" APPLIED TO ANY SYMBOL INDICATES WEATHERPROOF NEMA-TYPE 4 OR EQUIVALENT
E	SUBSCRIPT "E" ADDED TO ANY SYMBOL INDICATES EXISTING	K	SUBSCRIPT "K" ADDED TO ANY SYMBOL INDICATES KEY OPERATED	P	SUBSCRIPT "P" ADDED TO ANY SYMBOL INDICATES PILOT LIGHT
FD	SUBSCRIPT "FD" ADDED TO ANY FLOOR OUTLET INDICATES PEDESTAL MOUNTED	WG	SUBSCRIPT "WG" ADDED TO ANY SYMBOL INDICATES WIRE GUARD		
AC	SUBSCRIPT "AC" ADDED TO ANY SYMBOL INDICATES ABOVE COUNTER, LOCATE CENTER OF DEVICE 4" ABOVE COUNTER SURFACE OR WHERE PRESENT, 4" ABOVE BACKSPLASH, WHERE INDICATED ADJACENT TO LAVATORY WITHOUT COUNTER, LOCATE CENTER OF DEVICE 9" ABOVE RIM OF LAVATORY.				

COPPER FEEDER AND BRANCH CIRCUIT SCHEDULE

MARK	CONDUCTORS AND CONDUIT
2 WIRE PLUS GROUND	
20F2	2 #12, #12 GND, 1/2"C.
30F2	2 #10, #10 GND, 3/4"C.
40F2	2 #8, #10 GND, 3/4"C.
50F2	2 #6, #10 GND, 3/4"C.
60F2	2 #6, #10 GND, 3/4"C.
3 WIRE PLUS GROUND	
20F3	3 #12, #12 GND, 1/2"C.
30F3	3 #10, #10 GND, 3/4"C.
40F3	3 #8, #10 GND, 1"C.
50F3	3 #6, #10 GND, 1"C.
60F3	3 #6, #10 GND, 1"C.
10F3	3 #4, #6 GND, 1"C.
60F3	3 #3, #6 GND, 1-1/4"C.
50F3	3 #3, #6 GND, 1-1/4"C.
100F3	3 #2, #6 GND, 1-1/4"C.
125F3	3 #1, #6 GND, 1-1/2"C.
150F3	3 #1/0, #6 GND, 1-1/2"C.
175F3	3 #2/0, #6 GND, 1-1/2"C.
200F3	3 #3/0, #6 GND, 2"C.
225F3	3 #4/0, #6 GND, 2"C.
250F3	3 250 KCMIL, #4 GND, 2"C.
300F3	3 300 KCMIL, #4 GND, 2"C.
350F3	3 350 KCMIL, #4 GND, 2"C.
400F3	3 400 KCMIL, #3 GND, 2"C.
450F3	3 450 KCMIL, #3 GND, 2"C.
500F3	3 500 KCMIL, #3 GND, 2"C.
600F3	3 600 KCMIL, #2 GND, IN EACH OF (2) 2"C.
700F3	3 700 KCMIL, #1 GND, IN EACH OF (2) 2-1/2"C.
800F3	3 800 KCMIL, #1/0 GND, IN EACH OF (2) 3"C.
1000F3	3 1000 KCMIL, #2/0 GND, IN EACH OF (2) 3"C.
4 WIRE PLUS GROUND	
20F4	4 #12, #12 GND, 1/2"C.
30F4	4 #10, #10 GND, 3/4"C.
40F4	4 #8, #10 GND, 1"C.
50F4	4 #6, #10 GND, 1-1/4"C.
60F4	4 #6, #10 GND, 1-1/4"C.
10F4	4 #4, #6 GND, 1-1/2"C.
60F4	4 #3, #6 GND, 1-1/2"C.
50F4	4 #3, #6 GND, 1-1/2"C.
100F4	4 #2, #6 GND, 1-1/2"C.
125F4	4 #1, #6 GND, 2"C.
150F4	4 #1/0, #6 GND, 2"C.
175F4	4 #2/0, #6 GND, 2"C.
200F4	4 #3/0, #6 GND, 2"C.
225F4	4 #4/0, #6 GND, 2-1/2"C.
250F4	4 250 KCMIL, #4 GND, 2-1/2"C.
300F4	4 350 KCMIL, #4 GND, 2"C.
350F4	4 500 KCMIL, #3 GND, 3-1/2"C.
400F4	4 600 KCMIL, #3 GND, 4"C.
450F4	4 #4/0, #2 GND, IN EACH OF (2) 2-1/2"C.
500F4	4 250 KCMIL, #2 GND, IN EACH OF (2) 3-1/2"C.
600F4	4 400 KCMIL, #1 GND, IN EACH OF (2) 3"C.
700F4	4 500 KCMIL, #1/0 GND, IN EACH OF (2) 3-1/2"C.
800F4	4 600 KCMIL, #1/0 GND, IN EACH OF (2) 4"C.
1000F4	4 500 KCMIL, #2/0 GND, IN EACH OF (3) 3-1/2"C.
1200F4	4 400 KCMIL, #3/0 GND, IN EACH OF (4) 3"C.

ALUMINUM FEEDER AND BRANCH CIRCUIT SCHEDULE

MARK	CONDUCTORS AND CONDUIT
	SERVICE CONDUCTORS
2600SAL	4 700 KCMIL AL IN EACH OF (6) 3-1/2"C.

GENERAL NOTES

1. ELECTRICAL PENETRATIONS IN MECHANICAL AND ELECTRICAL ROOMS LOCATED ABOVE OCCUPIED SPACES SHALL BE SEALED TO REDUCE NOISE TRANSMISSION.
2. PROVIDE FIRE ALARM REMOTE POWER SUPPLIES AS REQUIRED. FINAL LOCATION OF FIRE ALARM REMOTE PANELS SHALL BE COORDINATED WITH ARCHITECT/ENGINEER. PROVIDE 20A 120V CONNECTION FROM NEAREST AVAILABLE PANEL TO FIRE ALARM PANELS. COORDINATE QUANTITY WITH FIRE ALARM CONTRACTOR. PROVIDE A SPARE DETECTOR AT LOCATION OF EACH REMOTE PANEL.
3. PROVIDE J-HOOKS IN CORRIDOR CEILINGS FOR ROUTING OF LOW-VOLTAGE CABLING. PROVIDE CONDUITS OVER SECTIONS OF GYPSUM WALLBOARD CEILINGS. SUBSTRUCTURES PERMITTED IN PUBLIC CABLE QUANTITIES PROVIDED INCLUDING 20% SPARE CAPACITY. COORDINATE EXACT QUANTITY OF CABLES WITH OWNER.
4. "PWR" INDICATED NEXT TO CIRCUIT DESIGNATION INDICATES A PARTIAL PORTION OF CIRCUIT. CONNECT PWR'D CIRCUIT SEGMENTS TO THE SAME BREAKER.
5. FIRE ALARM SYSTEM VENDOR IS RESPONSIBLE FOR DETERMINING STROBE CANDELA RATINGS AND COVERAGE. PROVIDE ADDITIONAL STROBES AS REQUIRED PER CODE. SUBMIT SHOP DRAWINGS FOR REVIEW.
6. PROVIDE ELECTRICAL CONNECTION TO FIREHORNE AND SMOKE DAMPERS INCLUDING POWER, FIRE ALARM, ETC. VERIFY EXACT LOCATION AND QUANTITY OF DAMPERS WITH MECHANICAL DRAWINGS. SEE DETAIL 4E/4E.
7. PROVIDE CONNECTION FROM ALL SPRINKLER SYSTEM FLOW, TAMPER, AND PIV DEVICES TO THE FIRE ALARM SYSTEM. COORDINATE EXACT QUANTITY AND LOCATION OF DEVICES WITH MECHANICAL DRAWINGS/EQUIPMENT SUPPLIERS.
8. PROVIDE ELECTRICAL POWER AND CONTROL CONNECTION TO SPRINKLER SYSTEM ALARM BELL. VERIFY EXACT LOCATION WITH MECHANICAL DRAWINGS/EQUIPMENT SUPPLIERS.
9. CONTRACTOR SHALL COORDINATE LOCATION OF LIGHT FIXTURES, SPEAKERS, ETC., WITH FIRE-RATED CEILING AND PROVIDE ENCLOSURES AS REQUIRED TO MAINTAIN THE FIRE INTEGRITY RATING OF THE CEILING. COORDINATE EXACT LOCATIONS OF FIRE-RATED CEILINGS WITH ARCHITECT/ALL DRAWINGS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
10. LABELING FOR PANELBOARDS/CONTROLS, FIRE ALARM PANEL PROGRAMMING, ETC., SHALL USE ROOM NUMBERS ASSIGNED BY OWNER AND NOT ROOM NUMBERS LISTED ON DRAWINGS. LABELS ON PANELBOARD DIRECTORY SHALL INCLUDE A DESCRIPTION OF LOAD SUCH AS LIGHTS, RECEPTACLES, MECHANICAL UNIT LOCATIONS, ETC.
11. IN AREAS WITH PRECAST PANELS, COORDINATE INSTALLATION OF FLUSH-MOUNTED DEVICE BOXES AND CONCEALED CONDUITS WITH PRECAST PANEL SUPPLIER SUCH THAT ALL CONDUIT, BOXES, ETC., ARE CAST WITHIN EACH PANEL SECTION. ELECTRICAL CONTRACTOR SHALL FURNISH CONDUIT AND BOXES TO PRECAST SUPPLIER FOR EMBEDDING INTO WALLS.
12. CONNECT ALL EXIT LIGHT FIXTURES TO NEAREST UNSWITCHED NORMAL LIGHTING CIRCUIT SERVING CORRESPONDING AREA.
13. ALL STYLES, FINISHES, COLORS, ETC. TO BE APPROVED BY ARCHITECT/INTERIOR DESIGNER PRIOR TO ORDERING. WHERE STYLES, FINISHES, COLORS, ETC. ARE LISTED ON DRAWINGS, ARCHITECT/INTERIOR DESIGNER TO HAVE FINAL APPROVAL.
14. DRAWINGS INDICATE NORMAL POWER LIGHTING CIRCUITS AND AS SO GATED ZONES. BOUNDARIES FOR SPECIFIC LIGHTING CIRCUITS ARE INDICATED BY "LIGHTING CIRCUIT TO END AT" LINET YPE. CONNECT FIXTURES WITHIN EACH ZONE TO CIRCUIT INDICATED. CONNECT LIGHTING CONTROLS WITHIN EACH ROOM TO CONTROL FIXTURES WITHIN THAT ROOM UNLESS OTHERWISE NOTED.

LIGHTING GENERAL NOTES:

1. LOWERCASE LETTERING INDICATES LUMINAIRES CONTROLLED BY THE DEVICE WITH THE CORRESPONDING LETTER WITHIN THE SAME ROOM OR SPACE.
2. "NL" INDICATES NIGHT LIGHT. CONNECT LUMINAIRE UNSWITCHED TO CIRCUITS INDICATED.

SYMBOLS INDICATED HERE AND NOT USED IN THE CONTRACT DOCUMENTS DOES NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS AND ABBREVIATIONS MAY BE INDICATED IN THE CONTRACT DOCUMENTS.

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4	Issued For Const. / AS #1	02/22/19

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ELECTRICAL SYMBOLS AND ABBREVIATIONS

E000

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SITE LIGHTING SCHEDULE

MARK	MANUFACTURER	CATALOG NO.	BEAM DISTRIB.	LAMP DATA	VOLTS	FIXTURE QUAN. PER POLE	FIXTURE AND POLE FINISH	POLE HT. (FT.)	POLE TYPE	DESCRIPTION	ALTERNATE MANUFACTURERS	REMARKS
A	LITHONIA	DSX1-LED-P3-40K-T-MVOLT-R-PA	IV	LED: 12300 LM, 4000K, 103W	208	1	REMARK 1	20	RTS	POLE LIGHT	HUBBELL, MCGRAW-EDISON	
B	LITHONIA	DSX1-LED-P3-40K-T-MVOLT-R-PA	IV	LED: 12300 LM, 4000K, 103W	208	2	REMARK 1	20	RTS	DUAL HEAD POLE LIGHT	HUBBELL, MCGRAW-EDISON	
C	LUMENPULSE	LSM-120-40K-NS-SLV-DIM-PH	-	LED: 17800LM, 4000K, 208W	120	-	REMARK 1	-	-	FLAGPOLE SPOTLIGHT	INSIGHT	
D	LITHONIA	DSXF1-LED-P1-WFR-12D	WIDE FLOOD RECT.	LED: 3000LM, 4000K, 21W	120	-	REMARK 1	-	-	MONUMENT SIGN FLOODLIGHT		
E	LITHONIA	DSX1-LED-P3-40K-T-MVOLT-R-PA	III	LED: 12500LM, 4000K, 103W	208	1	REMARK 1	20	RTS	POLE LIGHT	HUBBELL, MCGRAW-EDISON	
F	KIM	CB23-15L-4K-UV-BL-EM	III	LED: 700 LM, 4000K, 18W	208	-	REMARK 1	-	-	BOLLARD W/ INTEGRAL COLD WEATHER BATTERY		
G	BROWNLEE	7322-99-LED-40K	-	LED: 700LM, 4000K, 6W	120	-	REMARK 1	-	-	EXTERIOR GARAGE SCONCE		2
H	LITHONIA	ZL1DL4-955000LM-FST-MVOLT-40K-80CRI-WH	-	LED: 5500LM, 4000K, 41W	120	-	REMARK 1	-	-	LED UTILITY LIGHT	COLUMBIA, METALUX, CREE	3

GENERAL NOTES:

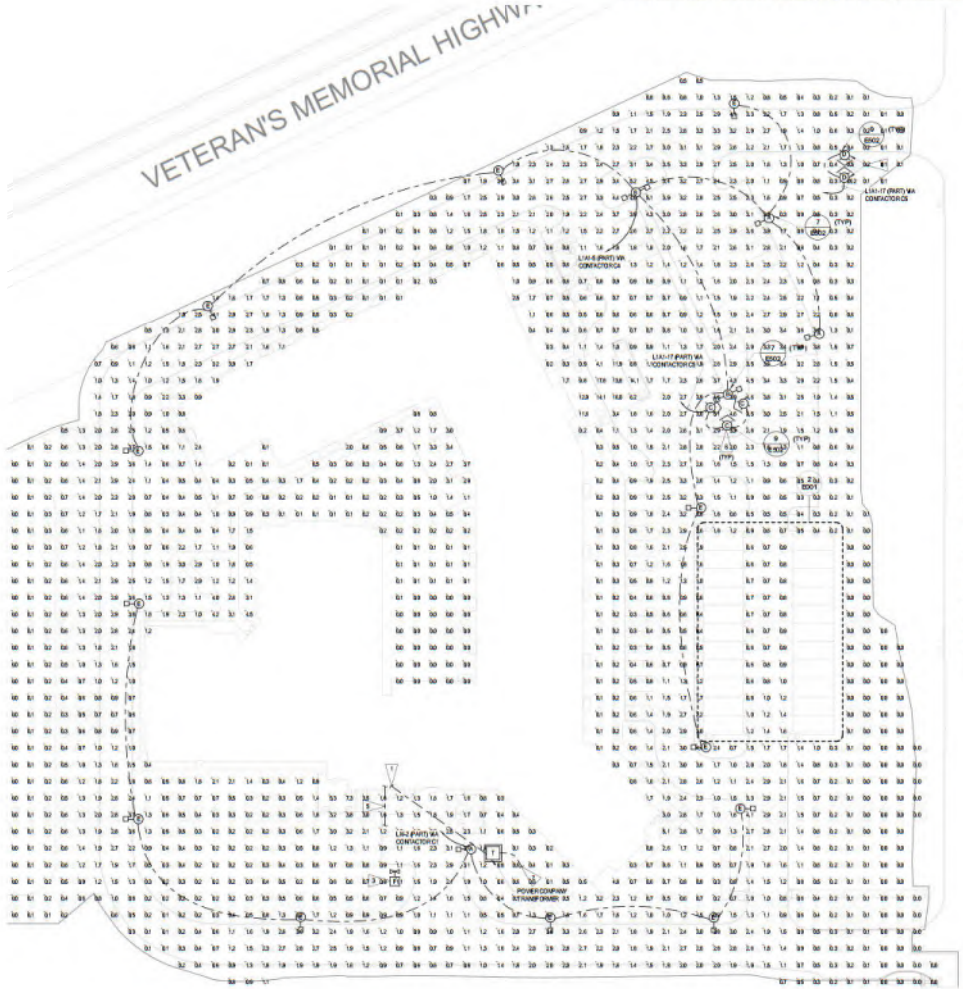
a SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR LUMINAIRES, LAMPS, AND BALLASTS.
b CONTRACTOR TO VERIFY LIGHT FIXTURE CATALOG NUMBER AND INSTALLATION REQUIREMENTS PRIOR TO ORDERING.
c POLE TYPE DESCRIPTION (LINE): A-SHAPE, R-ROUND, S-SQUARE; B -PROFILE, S-STRAIGHT, T-TAPERED; C - MATERIAL, A-ALUMINUM, S-STEEL
d PROVIDE INTERNAL VIBRATION DAMPENER FOR EACH POLE.

REMARKS:

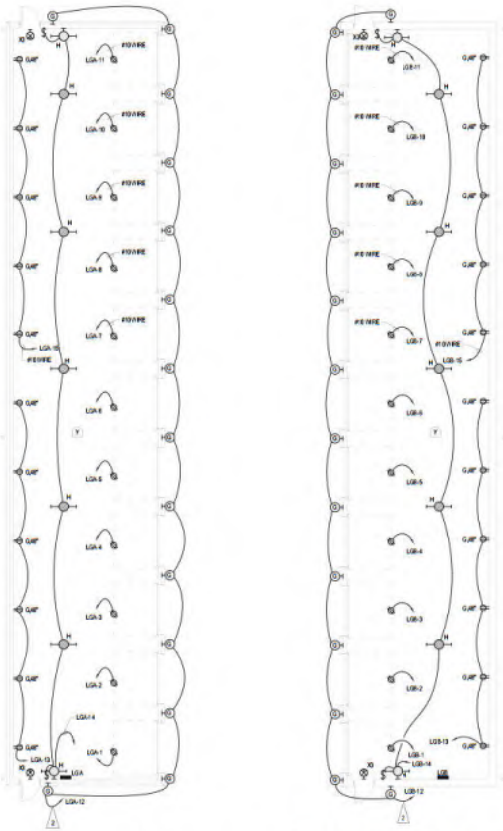
1 ALL COLORS, FINISHES, STYLES ETC., TO BE APPROVED BY ARCHITECT PRIOR TO ORDERING. WHERE SPECIFIC COLORS, FINISHES, STYLES ETC., ARE LISTED, ARCHITECT TO HAVE FINAL APPROVAL.
2 MOUNT FIXTURE AT 6'6".
3 PROVIDE COLD WEATHER (RATED -20 DEGREES CELSIUS) EMERGENCY DRIVER/BATTERY, IOTA ILB-2020CW OR EQUIVALENT, WITH FIXTURE.

FLAG NOTES

1 REFER TO POWER RISER DIAGRAM FOR SIZES AND CONTINUATION OF ELECTRICAL SERVICE FEEDERS.
2 PROVIDE PHOTO CELL FOR CONTROL OF LIGHTING CIRCUIT. LOCATE PHOTOCELL ON ROOF OF GARAGE, AIMED NORTH. CONNECT LIGHTS TO FUNCTION PHOTOCELL ON, PHOTOCELL OFF.
3 PROVIDE WIRE ALARM WIRING IN 1" CONDUIT TO AMPER SWITCH IN POST INDICATOR VALVE. TRANSITION TO RGS CONDUIT PRIOR TO STUBBING UP AT PIV LOCATION. PROVIDE RGS TO 12" ABOVE GRADE, MINIMUM. SEE CIVIL PLANS FOR EXACT PIV LOCATION.
4 AIM LUMINAIRE TO ILLUMINATE MONUMENT SIGN. COORDINATE EXACT LOCATION WITH ARCHITECT.
5 ROUTE (2)#12 CONDUITS FROM MEP 15410 TO PROPERTY LINE FOR TELECOM AND PHONE SERVICE. PROVIDE PULL STRINGS LABELED AT BOTH ENDS. COORDINATE EXACT TERMINATION LOCATIONS WITH SERVICE PROVIDERS.
6 AIM LUMINAIRE TO ILLUMINATE FLAG. COORDINATE EXACT LOCATION WITH ARCHITECT.
7 PROVIDE (2)3", SCHEDULE 40 PVC FOR UTILITY PRIMARY CABLES. VERIFY REQUIREMENTS WITH UTILITY.



SITE PLAN - ELECTRICAL 1



GARAGE PLAN - ELECTRICAL 2

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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SITE PLAN - ELECTRICAL

E001



FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.
2. MOUNT VERTICALLY IN CORNER OF PIT. CENTER LUMINAIRE AT 48" ABOVE PIT FLOOR. VERIFY LOCATION IS CLEAR OF ELEVATOR COMPONENTS AND ADJUST AS REQUIRED.
3. LOCATE SWITCH FOR PIT LIGHTS AT POINT OF ENTRY INTO PIT.
4. CONNECT TO OTHER LUMINAIRES IN SAME STAIRWELL.
5. PROVIDE 90 MIN. EL-S-2900 R EQUIVALENT TO SERVE EXTERIOR EGRESS LIGHTING. VERIFY FINAL LOCATION ABOVE ACCESSIBLE CEILING OR IN STORAGE/ELEC. ROOM. PROVIDE NECESSARY CONNECTIONS TO LUMINAIRES ON NIGHTSET TO BE CONTROLLED BY CONTACTOR.
6. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
7. COORDINATE EXACT LOCATION WITH FURNITURE LAYOUT SO THAT FIND ANT IS CENTERED OVER TABLE. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
8. CONNECT SWITCHES TO CONTROL LUMINAIRES ON SECOND FLOOR ABOVE. SEE SHEET E104.
9. MOUNT LUMINAIRE IN CORNER OF DISPLAY CASE, CENTERED VERTICALLY. COORDINATE WITH ARCHITECTURAL DETAILS.
10. PROVIDE 90 MIN. EL-S-2900 R EQUIVALENT FOR EGRESS LIGHTING. VERIFY FINAL LOCATION ABOVE ACCESSIBLE CEILING OR IN STORAGE/ELEC ROOM.
11. PROVIDE RELAY TO ALLOW LUMINAIRES TO TURN ON TO FULL BRIGHTNESS UPON POWER FAILURE.

ENLARGED PLAN SCHEDULE

ROOM TYPE	ELECTRICAL ENLARGED PLAN
W/C-1	1/E402
W/C-2	2/E402
W/C-2A	3/E402
W/C-2B	5/E402
W/C-3	4/E402
IL STUDIO	1/E602 AND 2/E402
IL 1 BED	3/E402
IL 2 BED 1 BATH	4/E402
IL 2 BED 2 BATH	5/E402

NOTE: REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ABOVE ENLARGED PLANS FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL WET AREAS OF A ROOM TYPE ON A FLOOR PLAN.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT INCLUDING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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FIRST FLOOR PLAN - AREA A - LIGHTING

E101



FIRST FLOOR PLAN - AREA B - LIGHTING 1

1/8" = 1'-0"



KEY PLAN

1" = 80'-0"

FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.
2. PROVIDE BODINE BLF-6-2SO EQUIVALENT TO SERVE EXTERIOR EGRESS LIGHTING. VERIFY FINAL LOCATION ABOVE ACCESSIBLE CEILING ON IN STAIR/PUBLIC ROOM. PROVIDE NECESSARY CONNECTIONS FOR ILLUMINARES ON AMBIENT BY TO BE CONTROLLED BY CONTACTOR.
3. CONNECT TO OTHER LUMINARES IN SAME STAIRWELL.
4. PROVIDE BODINE BLF-6-2SO EQUIVALENT FOR EGRESS LIGHTING. VERIFY FINAL LOCATION ABOVE ACCESSIBLE CEILING ON IN STAIR/ELECTRICAL ROOM.

ENLARGED PLAN SCHEDULE	
ROOM TYPE	ELECTRICAL ENLARGED PLAN
MC1	1E400
MC2	2E400
MC2R	3E400
MC2E	5E400
MC3	4E400
IL STUDIO	1E402 AND 2E402
IL 1 BED	3E402
IL 2 BED 1 BATH	4E402
IL 2 BED 2 BATH	5E402

NOTE REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ASSOCIATED ENLARGED PLAN FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL INSTANCES OF A ROOM TYPE ON A FLOOR PLAN.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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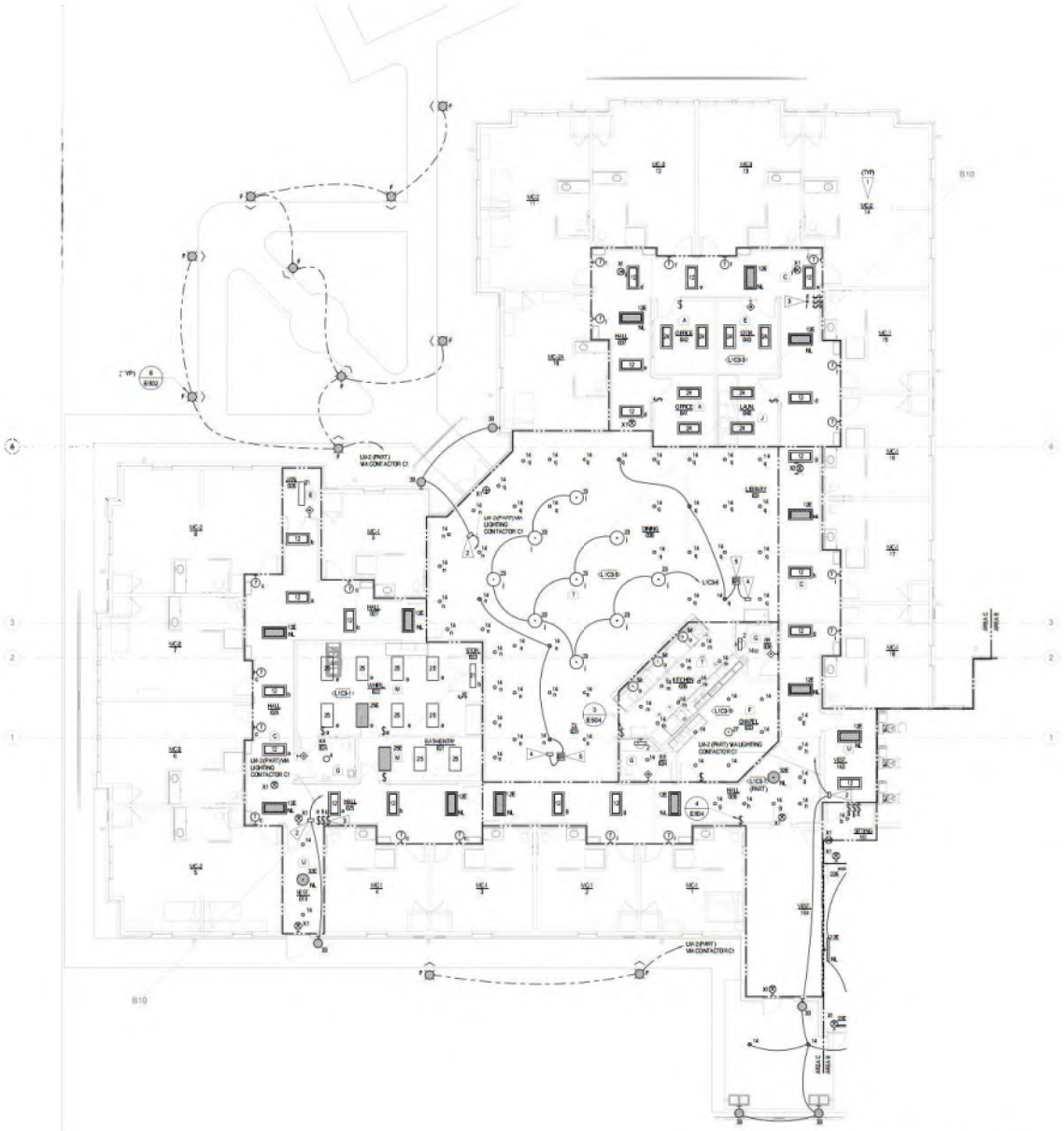
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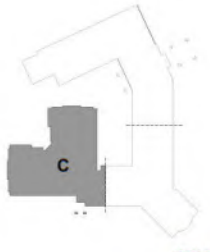
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FIRST FLOOR PLAN - AREA B - LIGHTING

E102



FIRST FLOOR PLAN - AREA C - LIGHTING 1



KEY PLAN

FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.
2. PROVIDE SODINE SLI-5-2500 EQUIVALENT TO SERVE EXTERIOR EGRESS LIGHTING. VERIFY FINAL LOCATION ABOVE ACCESSIBLE CEILING OR IN STORAGE/ELEC ROOM. PROVIDE NECESSARY CONNECTIONS FOR LUMINAIRES ON A NIGHTLY TO BE CONTROLLED BY CONTACTOR.
3. PROVIDE LOCKABLE, POLYCARBONATE COVER FOR SWITCHBANK. PROVIDE A MINIMUM OF FIVE KEYS TO OWNER.
4. PROVIDE SODINE SLI-5-2500 EQUIVALENT FOR EGRESS LIGHTING. VERIFY FINAL LOCATION ABOVE ACCESSIBLE CEILING OR IN STORAGE/ELEC ROOM.
5. PROVIDE RELAY TO ALLOW LUMINAIRES TO TURN ON TO FULL BRIGHTNESS UPON POWER FAILURE.

ENLARGED PLAN SCHEDULE	
ROOM TYPE	ELECTRICAL ENLARGED PLAN
MC-1	1/E400
MC-2	2/E400
MC-2A	3/E400
MC-2B	5/E400
MC-3	4/E400
IL 1P UDD	1/E400 AND 2/E400
IL 1 BED	3/E400
IL 2 BED 1 BATH	4/E400
IL 2 BED 2 BATH	5/E400

NOTE: REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ASSIGNED ENLARGED PLAN FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL INSTANCES OF A ROOM TYPE ON A FLOOR PLAN.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT/FEEDER. NO SHARED NEUTRALS.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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FIRST FLOOR PLAN - AREA C - LIGHTING

E103



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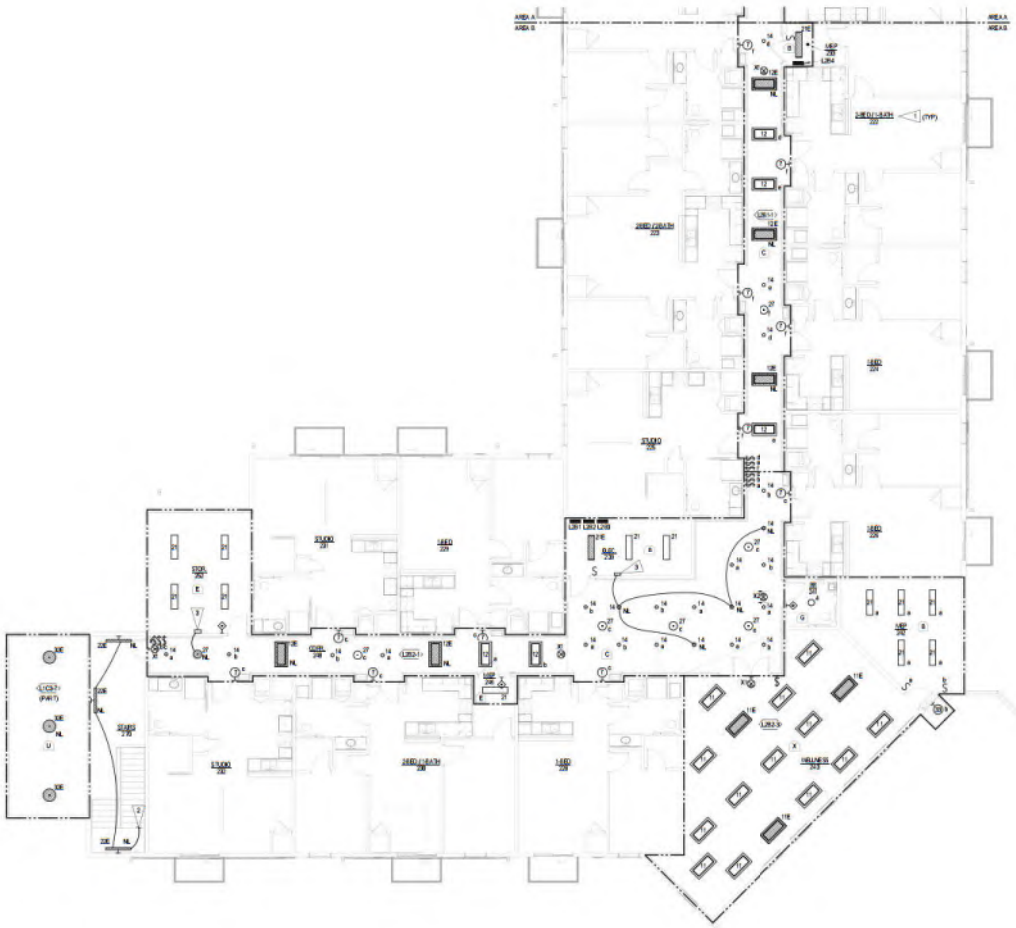
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SECOND FLOOR PLAN - AREA A - LIGHTING

E104



SECOND FLOOR PLAN - AREA B - LIGHTING 1



KEY PLAN

FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.
2. CONNECT TO OTHER LUMINAIRES IN SAME STAIRWELL.
3. PROVIDE 90 MIN. EL / 0.2W/CF EQUIVALENT FOR EGRESS LIGHTING. VERIFY FINAL LOCATION ABOVE ACCESSIBLE CEILING OR IN STORAGE/ELEC ROOM.

ENLARGED PLAN SCHEDULE	
ROOM TYPE	ELECTRICAL ENLARGED PLAN
MC1	1E4D
MC2	2E4D
MC2A	3E4D
MC2B	5E4D
MC3	4E4D
IL STUDIO	1E4D AND 2E4D
IL 1 BED	3E4D
IL 2 BED 1 BATH	4E4D
IL 2 BED 2 BATH	5E4D

NOTE: REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ASSOCIATED ENLARGED PLAN FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL INSTANCES OF A ROOM TYPE ON A FLOOR PLAN.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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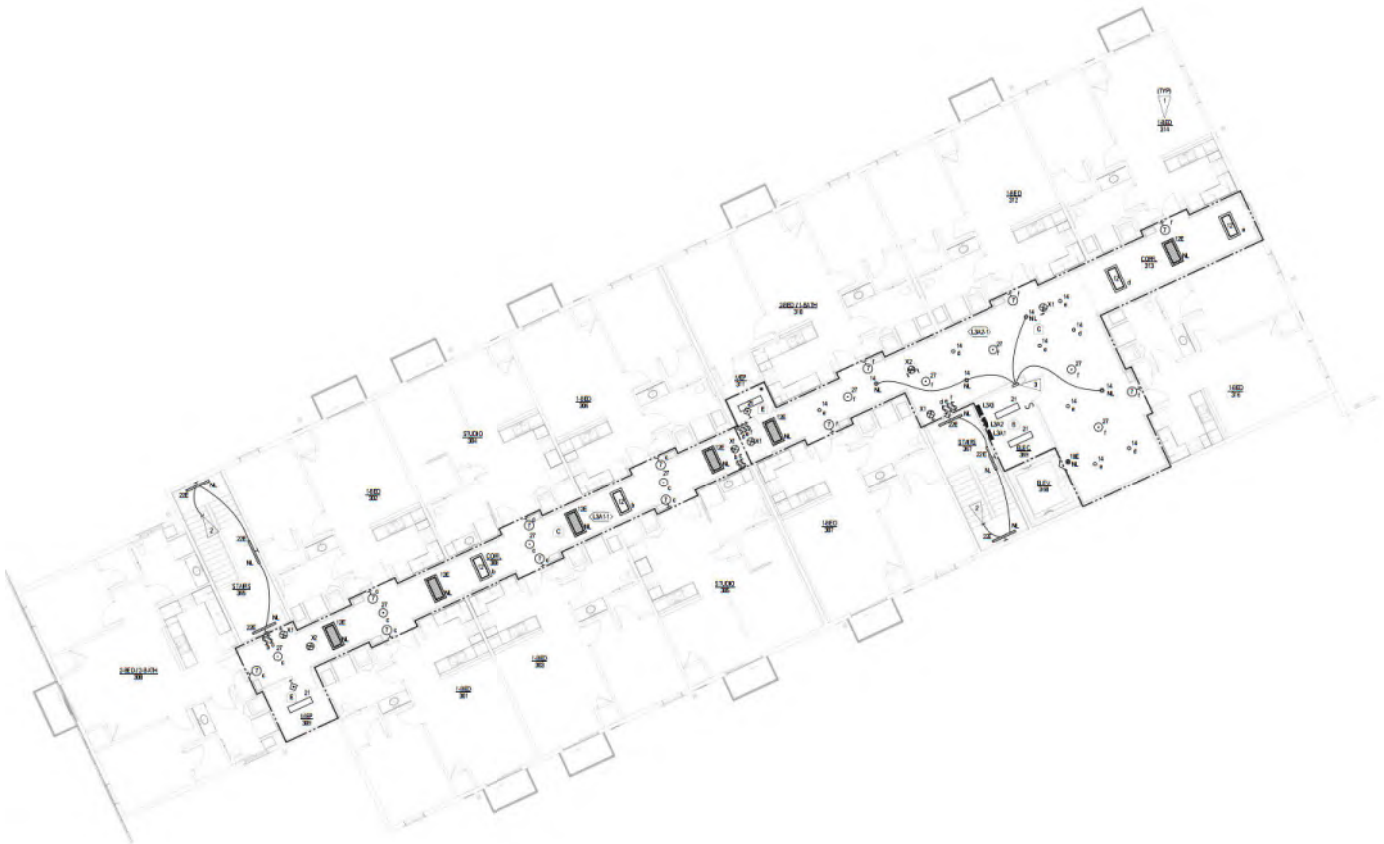
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SECOND FLOOR PLAN - AREA B - LIGHTING

E105



THIRD FLOOR PLAN - AREA A - LIGHTING 1

4' 8' 16' 24' 32' 40' 1/8" = 1'-0"



KEY PLAN

1" = 50'-0"

FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.
2. CONNECT TO OTHER LUMINAIRES IN SAME STAIRWELL.
3. PROVIDE 90MINE BL1-6-2900 EQUIVALENT TO SERVE EXTERIOR EGRESS LIGHTING. VERIFY FINAL LOCATION ABOVE ACCESSIBLE CEILING OR IN STORAGE/ELEC ROOM. PROVIDE NECESSARY CONNECTIONS TO LUMINAIRES ON/NIGHT BY TO BE CONTROLLED BY CONTACTOR.

ENLARGED PLAN SCHEDULE	
ROOM TYPE	ELECTRICAL ENLARGED PLAN
MC-1	1E4D
MC2	2E4D
MC2-1	3E4D
MC2R	5E4D
MC-3	4E4D
IL STUDIO	1E4D AND 2E4D
IL 1 BED	3E4D
IL 2 BED 1 BATH	4E4D
IL 2 BED 2 BATH	5E4D

NOTE REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ASSOCIATED ENLARGED PLAN FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL INSTANCES OF A ROOM TYPE ON A FLOOR PLAN.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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4	Issued For Const. / AB #1	02/22/19

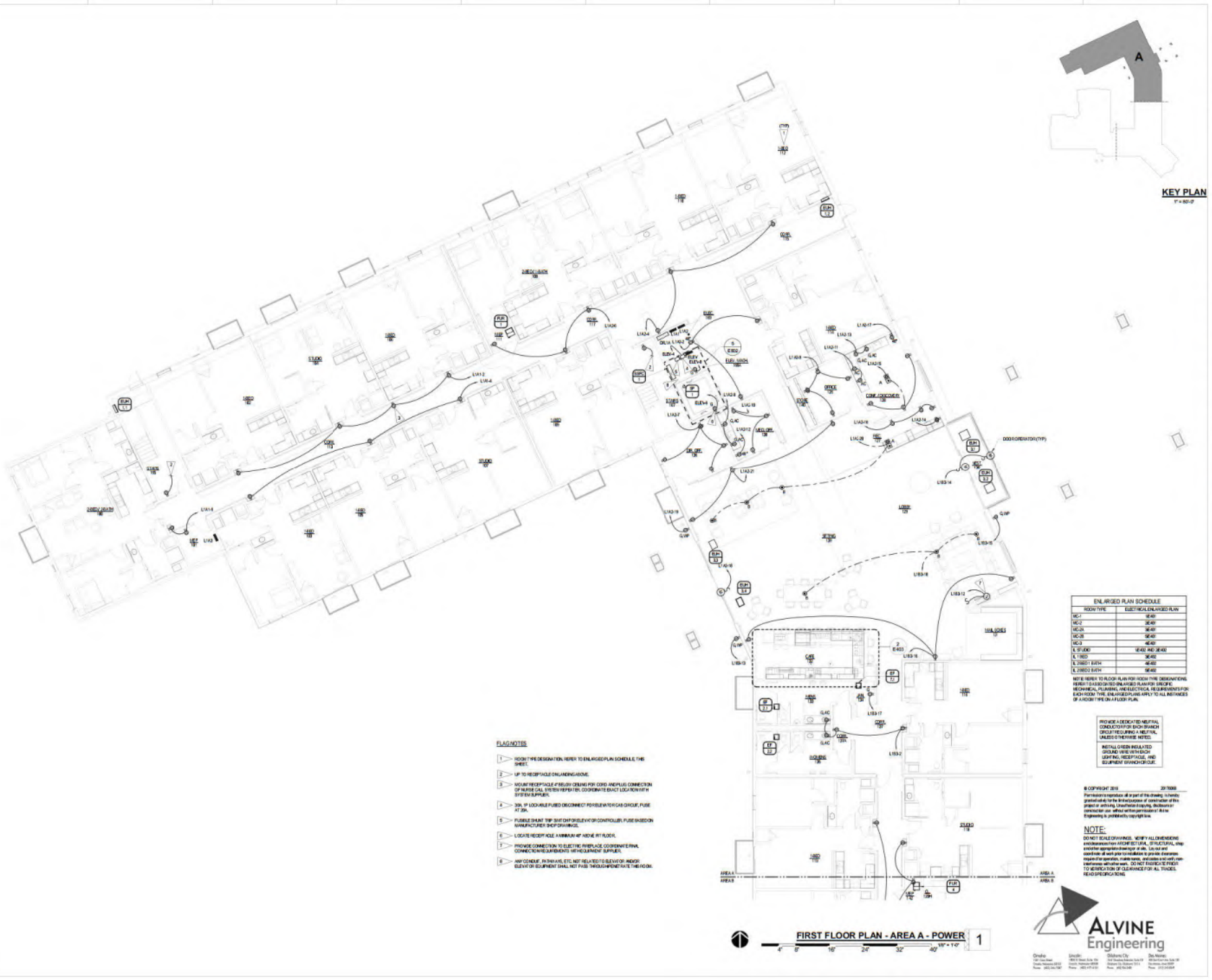
Project #: 161001

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February 22, 2019

THIRD FLOOR PLAN - AREA A - LIGHTING

E106



FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE, THIS SHEET.
2. UP TO RECEPTACLE ON LANDING ABOVE.
3. MOUNT RECEPTACLE 4" BELOW CEILING FOR CORD AND PLUG CONNECTION OF NURSE CALL SYSTEM REPEATER. COORDINATE EXACT LOCATION WITH SYSTEM SUPPLIER.
4. 30A, 1P LOCKABLE FUSED DISCONNECT FOR ELEVATOR GAS CIRCUIT, FUSE AT 20A.
5. FUSIBLE SHUNT TRIP SHUTOFF DEVICE AT CONTROLLER, FUSE BASED ON MANUFACTURERS' SHOP DRAWINGS.
6. LOCATE RECEPTACLE A MINIMUM 48" ABOVE PIT FLOOR.
7. PROVIDE CONNECTION TO ELECTRIC FIREPLACE. COORDINATE FINAL CONNECTION REQUIREMENTS WITH EQUIPMENT SUPPLIER.
8. ANY CONDUIT, PATHWAYS, ETC. NOT RELATED TO ELEVATOR AND/OR ELEVATOR EQUIPMENT SHALL NOT PASS THROUGH/PENETRATE THIS ROOM.

ENLARGED PLAN SCHEDULE

ROOM TYPE	ELECTRICAL ENLARGED PLAN
MC-1	1E402
MC-2	3E402
MC-2A	3E402
MC-2B	5E402
MC-3	4E402
IL 1FLOOR	1E402 AND 2E402
IL 1 RED	3E402
IL 2RED1 BATH	4E402
IL 2RED2 BATH	5E402

NOTE REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ASSOCIATED ENLARGED PLAN FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL INSTANCES OF A ROOM TYPE ON A FLOOR PLAN.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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FIRST FLOOR PLAN - AREA A - POWER

E201





KEY PLAN
1" = 80'-0"

FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.
2. UP TO RECEPTACLE ON LANDING ABOVE.
3. MOUNT RECEPTACLE 4" BELOW CEILING FOR CORD AND PLUG CONNECTION OF NURSE CALL SYSTEM REPEATER. COORDINATE EXACT LOCATION WITH SYSTEM SUPPLIER.
4. PROVIDE LEGRAND DSS4 RECESSED WALL BOX. PROVIDE RECEPTACLE IN RECESSED W ENCLOSURE.
5. HAIR DRYER RECEPTACLE. PROVIDE CORD AND PLUG FOR HAIR DRYER. COORDINATE EXACT LOCATION WITH EQUIPMENT SUPPLIER.
6. MOTOR FOR OVERHEAD ROLLING GARAGE DOOR. PROVIDE CONNECTIONS FOR CONTROL AND INTERLOCKS AS REQUIRED. COORDINATE CONNECTION, CONTROLS, AND ACCESSORIES FOR A COMPLETE WORKING SYSTEM WITH EQUIPMENT SUPPLIER.

ENLARGED PLAN SCHEDULE	
ROOM TYPE	ELECTRICAL ENLARGED PLAN
MC1	1E400
MC2	2E400
MC2A	3E400
MC2B	5E400
MC3	4E400
IL STUDIO	1E402 AND 2E402
IL 1 BED	3E402
IL 2 BED 1 BATH	4E402
IL 2 BED 2 BATH	5E402

NOTE REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ASSOCIATED ENLARGED PLAN FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL INSTANCES OF A ROOM TYPE ON A FLOOR PLAN.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT RE-QUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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FIRST FLOOR PLAN - AREA B - POWER 1
1/8" = 1'-0"
4' 8' 16' 24' 32' 40'

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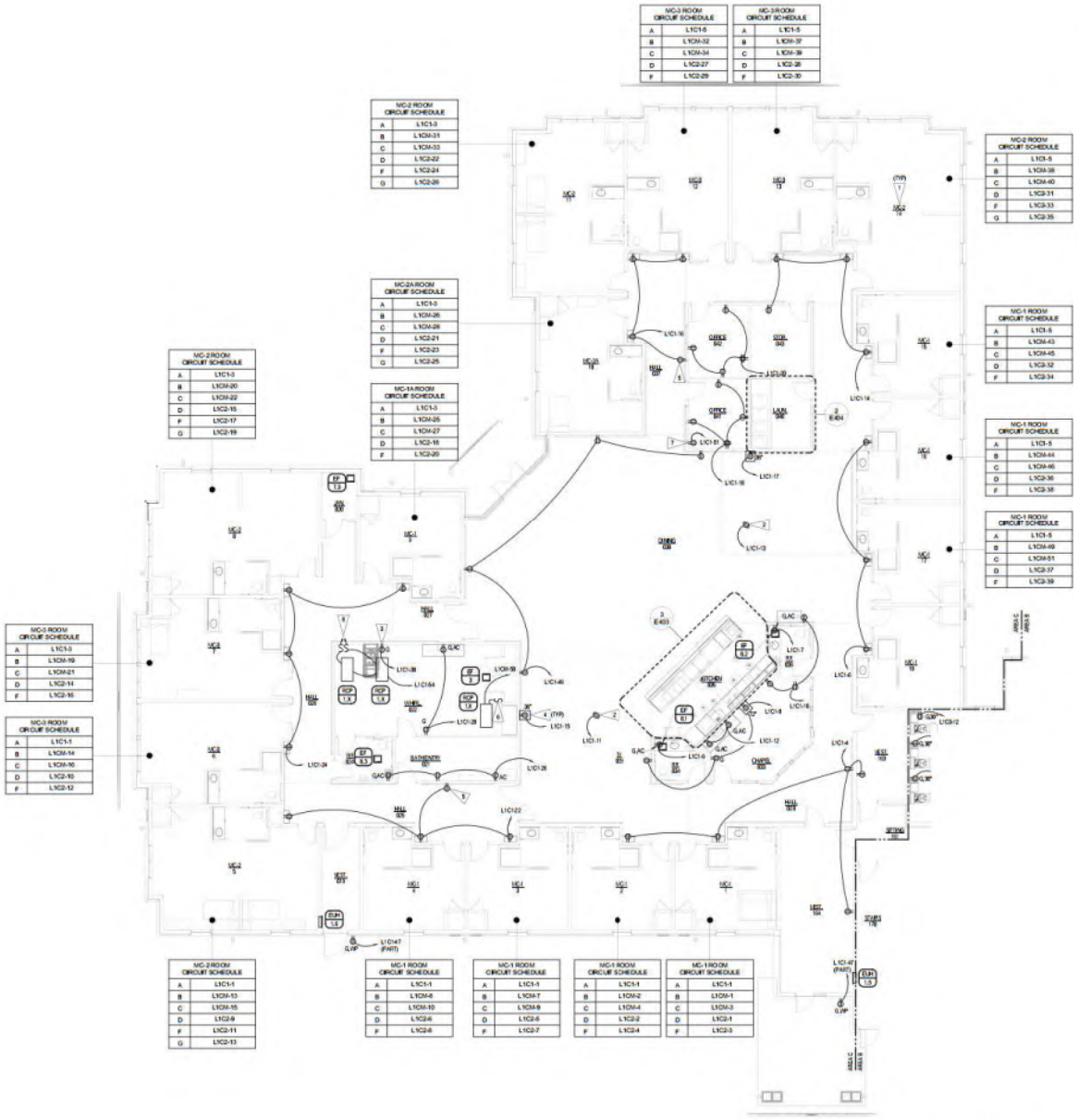
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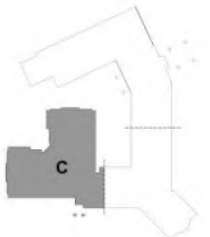
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FIRST FLOOR PLAN - AREA B - POWER

E202





KEY PLAN
1" = 80'-0"

FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.
2. RECEPTACLE ROUGH-IN FOR PROJECTOR. COORDINATE FINAL PROJECTOR LOCATION WITH OWNER.
3. RECEPTACLE FOR CONNECTION OF A WHIRLPOOL TUB. CONNECT THE BRANCH CIRCUIT GROUND TO THE COLD WATER PIPE SERVING THE EQUIPMENT. COORDINATE EXACT LOCATION OF RECEPTACLE WITH EQUIPMENT SUPPLIER.
4. PROVIDE LEGRAND EP SERIES RECESSED WALL BOX. PROVIDE RECEPTACLE IN RECESSED AV ENCLOSURE.
5. MOUNT RECEPTACLE 4" BELOW CEILING FOR CORD AND PLUG CONNECTION OF NURSE CALL SYSTEM REPEATER. COORDINATE EXACT LOCATION WITH SYSTEM SUPPLIER.
6. PROVIDE ELECTRICIAN-IN-A-WALL TIMER SWITCH, INTERMATIC # EI200 SERIES OR EQUIVALENT FOR CONTROL OF ROF.
7. RECEPTACLE FOR OWNER-PROVIDED INTERCOM SYSTEM. COORDINATE EXACT LOCATION WITH OWNER.

ENLARGED PLAN SCHEDULE

ROOM TYPE	ELECTRICAL ENLARGED PLAN
MC-1	1E400
MC-2	2E400
MC-2A	3E400
MC-3	5E400
MC-3	4E400
IL STUDIO	1E402 AND 2E402
IL 1 BED	3E402
IL 2 BED 1 BATH	4E402
IL 2 BED 2 BATH	5E402

NOTE: REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ABOVE/BELOW ENLARGED PLAN FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL INSTANCES OF A ROOM TYPE ON A FLOOR PLAN.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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FIRST FLOOR PLAN - AREA C - POWER

E203



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SECOND FLOOR PLAN - AREA A - POWER

E204



SECOND FLOOR PLAN - AREA B - POWER 1

1/8" = 1'-0"



KEY PLAN

1" = 80'-0"

FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.
2. DOWN TO RECEPTACLE ON LANDING BELOW.
3. MOUNT RECEPTACLE 4" BELOW CEILING FOR CORD AND PLUG CONNECTION OF NURSE CALL SYSTEM REPEATER. COORDINATE EXACT LOCATION WITH SYSTEM SUPPLIER.
4. PROVIDE LEGRAND DSH4 RECESSED WALL BOX. PROVIDE RECEPTACLE IN RECESSED IN ENCLOSURE.
5. TWO 4" CONDUITS FROM MEP 156. COORDINATE EXACT STUB UP LOCATION IN FIELD. ROUTE ONE 4" CONDUIT UP TO ELEC 335. COORDINATE LOCATION TO MAINTAIN CLEARANCES. PROVIDE PULL ROPES AS REQUIRED.

ENLARGED PLAN SCHEDULE	
ROOM TYPE	ELECTRICAL ENLARGED PLAN
MC-1	1E400
MC-2	2E400
MC-2A	3E400
MC-2B	5E400
MC-3	4E400
IL 1P UDO	1E400 AND 2E400
IL 1 RED	3E400
IL 2RED 1 BATH	4E400
IL 2RED 2 BATH	5E400

NOTE: REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ASSIGN'D ENLARGED PLAN FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL INSTANCES OF A ROOM TYPE ON A FLOOR PLAN.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIR.CUIT.

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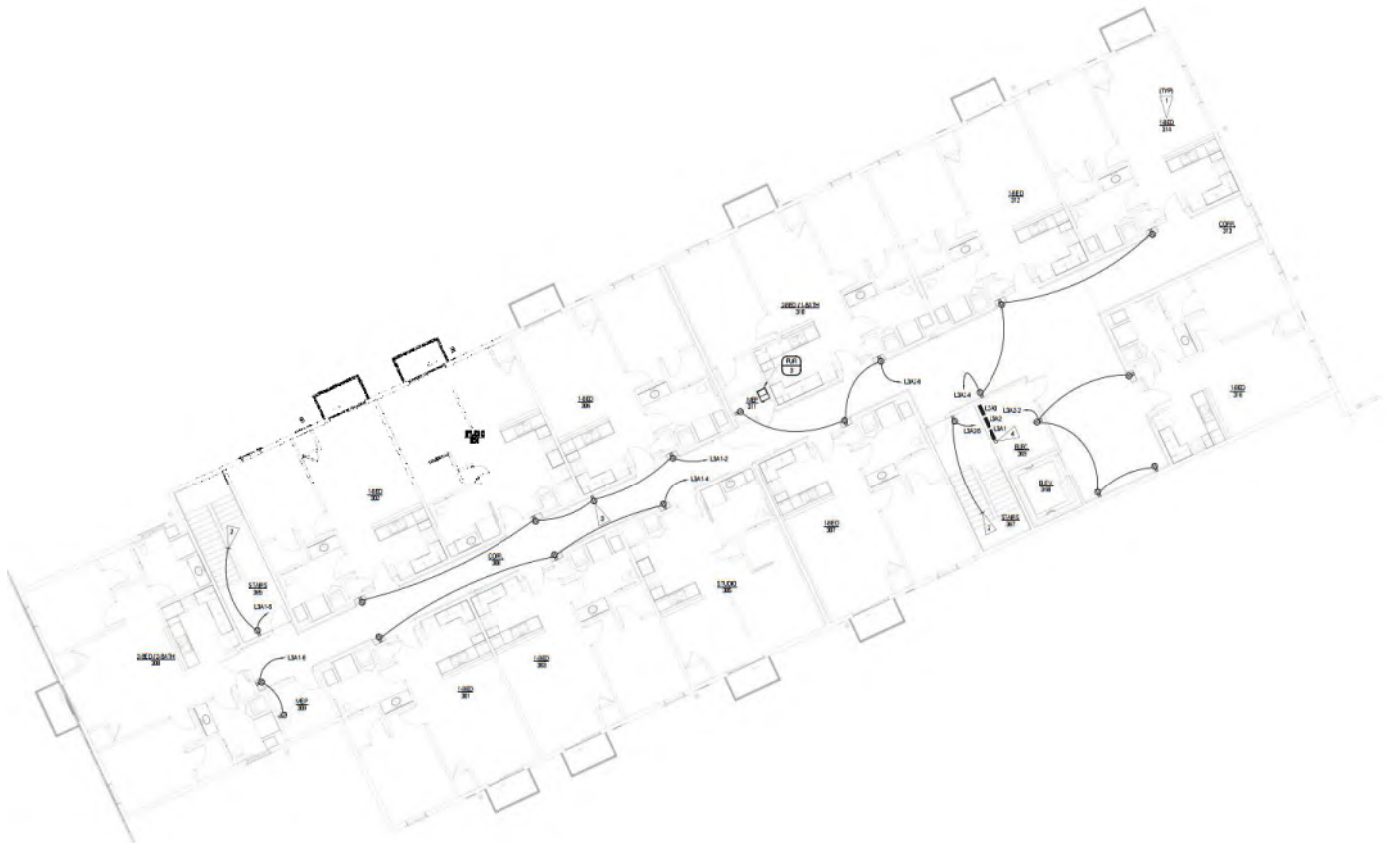
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SECOND FLOOR PLAN - AREA B - POWER

E205





KEY PLAN
1" = 50'-0"

FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.
2. DOWN TO RECEPTACLE ON LANDING BELOW.
3. MOUNT RECEPTACLE 4" BELOW CEILING FOR CORD AND PLUG CONNECTION OF NURSE CALL SYSTEM REPEATER. COORDINATE EXACT LOCATION WITH SYSTEM SUPPLIER.
4. STUB UP LOCATION OF 4" TELECOM CONDUIT FROM ELEC 23L COORDINATE EXACT STUB UP LOCATION IN FIELD.

ENLARGED PLAN SCHEDULE	
ROOM TYPE	ELECTRICAL ENLARGED PLAN
WC-1	1/E402
WC-2	2/E402
WC-2A	3/E402
WC-2B	5/E402
WC-3	4/E402
IL STUDIO	1/E402 AND 2/E402
IL 1 BED	3/E402
IL2 BED 1 BATH	4/E402
IL2 BED 2BATH	5/E402

NOTE: REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ABOVE ENLARGED PLANS FOR HVAC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL MIRRORINGS OF A ROOM TYPE ON A FLOOR PLAN.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT RECURRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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THIRD FLOOR PLAN - AREA A - POWER 1
1/8" = 1'-0"
2' 4' 8' 12' 16' 20'

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THIRD FLOOR PLAN - AREA A - POWER

E206



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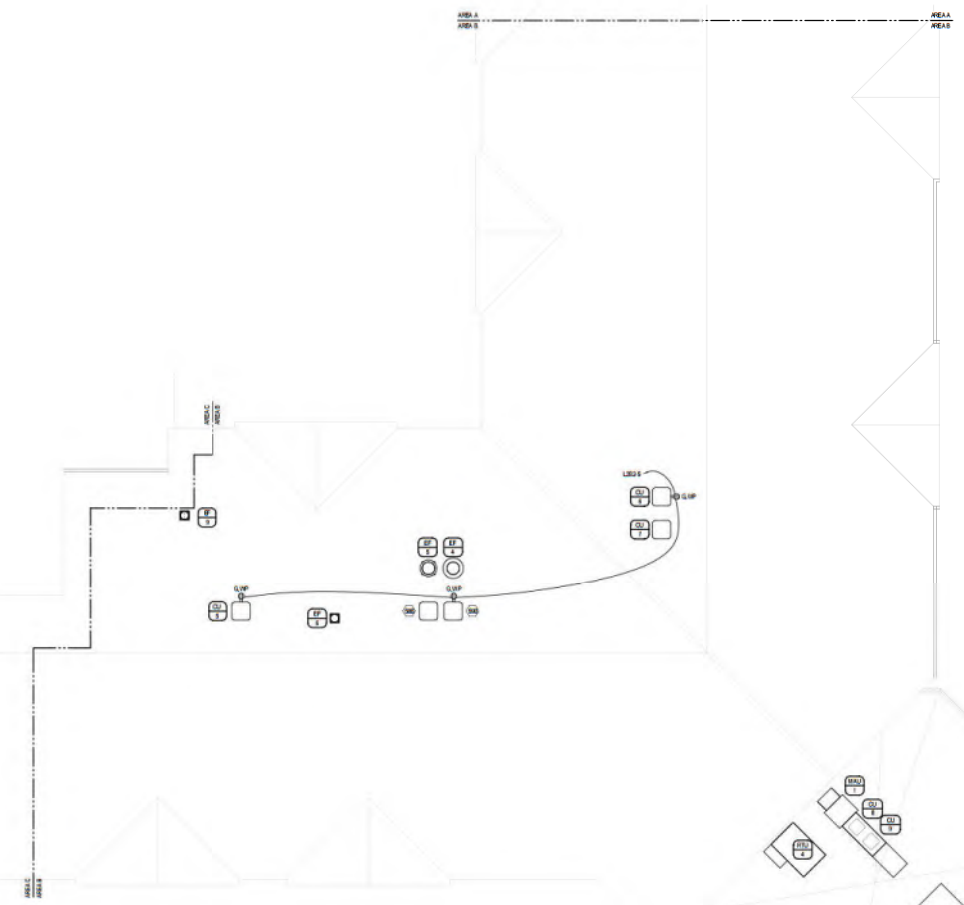
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February 22, 2019

ROOF PLAN - AREA A - ELECTRICAL

E207





KEY PLAN

1" = 80'-0"

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT RECURRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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ROOF PLAN - AREA B - POWER & SPECIAL SYSTEMS 1

1/8" = 1'-0"

4' 8' 16' 24' 32' 40'

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ROOF PLAN - AREA B - ELECTRICAL

E208

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ROOF PLAN - AREA C - ELECTRICAL

E209

KEY PLAN
1" = 200'-0"

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT AND FEEDER INSTALLED IN METAL RACEWAY OR CABLE TRAY, UNLESS OTHERWISE NOTED.

METAL CLADDING INSULATED PANELS ARE USED FOR WALLS, ROOFING, RECEPTACLE, AND EQUIPMENT GROUNDING.

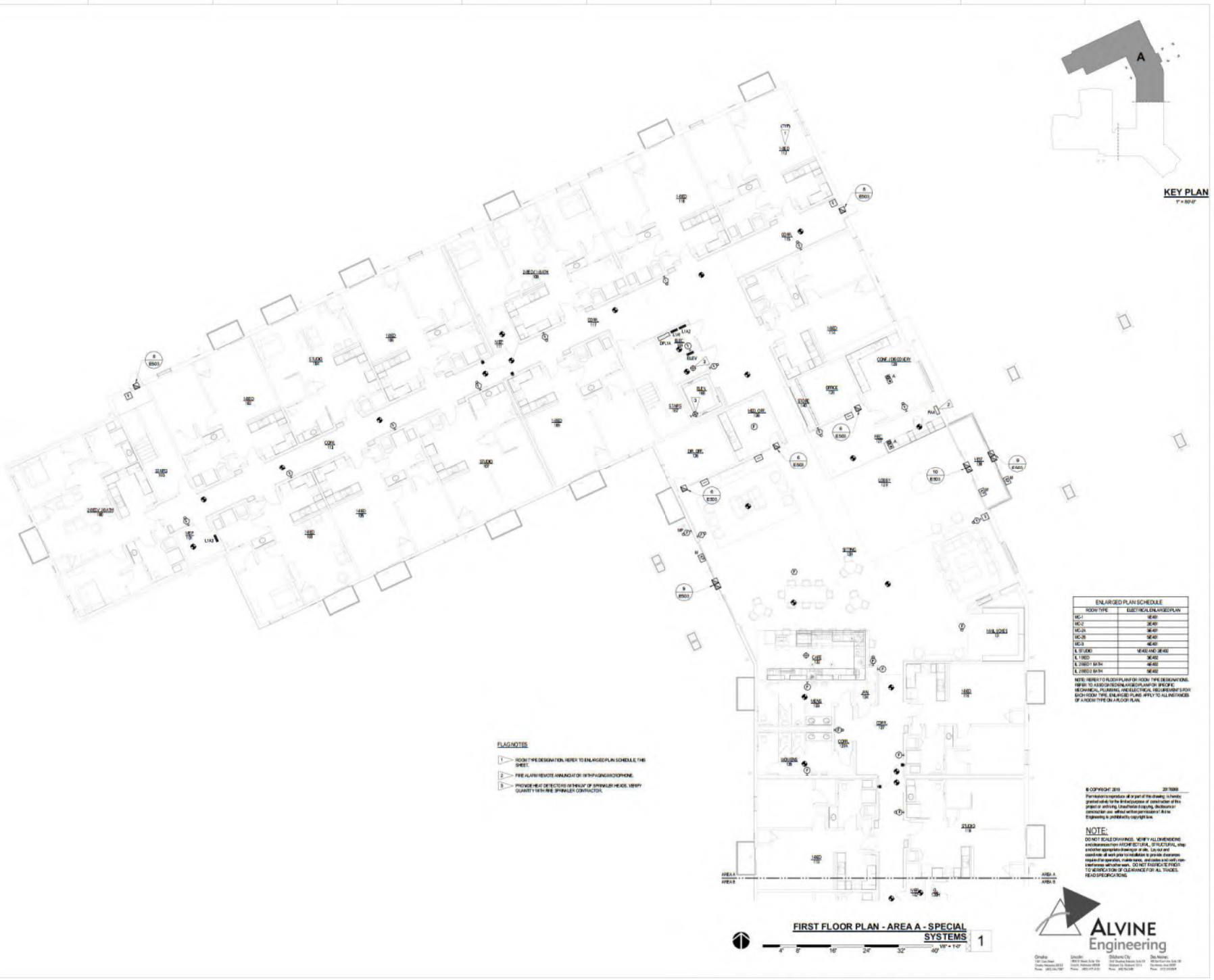
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ROOF PLAN - AREA C - POWER & SPECIAL SYSTEMS 1
1/8" = 1'-0"



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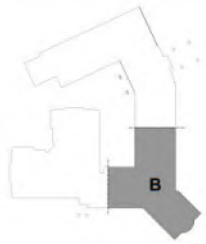
FIRST FLOOR PLAN - AREA A - SPECIAL SYSTEMS

E301



FIRST FLOOR PLAN - AREA B - SPECIAL SYSTEMS 1

1/8" = 1'-0"



KEY PLAN

T = 80'-0"

FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.
2. TELEDOX ROUGH-IN FOR OWNER PROVIDED TIMECLOCK. COORDINATE EXACT LOCATION WITH OWNER.
3. EXTERIOR FIRE ALARM BELL, LOCATE AT THE SERVICE ENTRANCE CONNECTION. COORDINATE EXACT LOCATION WITH SPRINKLER CONTRACTOR.

ENLARGED PLAN SCHEDULE	
ROOM TYPE	ELECTRICAL ENLARGED PLAN
MC-1	1/E402
MC-2	2/E402
MC-2A	3/E402
MC-2B	5/E402
MC-3	4/E402
IL STUDIO	1/E402 AND 2/E402
IL 1 BED	3/E402
IL 2 BED 1 BATH	4/E402
IL 2 BED 2 BATH	5/E402

NOTE: REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ASSOCIATED ENLARGED PLAN FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL INSTANCES OF A ROOM TYPE ON A FLOOR PLAN.

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The Heritage at Fox Run - Council Bluffs

New Construction

4800 Council Pointe Road
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4	Issued For Const. / AB #1	02/22/19

Project #: 161001

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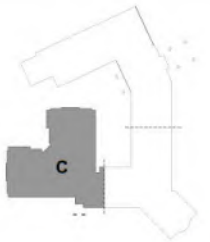
FIRST FLOOR PLAN - AREA B - SPECIAL SYSTEMS

E302



FIRST FLOOR PLAN - AREA C - SPECIAL SYSTEMS 1

1/8" = 1'-0"



KEY PLAN

1" = 80'-0"

FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.
2. SINGLE GANG JUNCTION BOX WITH 1" CONDUIT TO NEAREST ACCESSIBLE CEILING FOR OWNER PROVIDED INTERCOM SYSTEM.
3. DATA ROUGH-IN FOR PROJECTOR. COORDINATE FINAL PROJECTOR LOCATION WITH OWNER.

ENLARGED PLAN SCHEDULE	
ROOM TYPE	ELECTRICAL ENLARGED PLAN
MC1	1E402
MC2	2E402
MC2A	3E402
MC2B	5E402
MC3	4E402
IL STUDIO	1E402 AND 2E402
IL 1 BED	3E402
IL 2 BED 1 BATH	4E402
IL 2 BED 2 BATH	5E402

NOTE: REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ASSOCIATED ENLARGED PLAN FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL INSTANCES OF A ROOM TYPE ON A FLOOR PLAN.

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FIRST FLOOR PLAN - AREA C - SPECIAL SYSTEMS

E303



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SECOND FLOOR PLAN - AREA A - SPECIAL SYSTEMS

E304





KEY PLAN
1" = 80'-0"

FLAG NOTES

1 ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.

ENLARGED PLAN SCHEDULE	
ROOM TYPE	ELECTRICAL ENLARGED PLAN
MC-1	1/E402
MC-2	2/E402
MC-2A	3/E402
MC-2B	5/E402
MC-3	4/E402
IL 1P UDO	1/E402 AND 2/E402
IL 1 BED	3/E402
IL 2 BED 1 BATH	4/E402
IL 2 BED 2 BATH	5/E402

NOTE: REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ASSIGNED ENLARGED PLAN FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL INSTANCES OF A ROOM TYPE ON A FLOOR PLAN.

SECOND FLOOR PLAN - AREA B - SPECIAL SYSTEMS 1

0' 8' 16' 24' 32' 40' 1/8" = 1'-0"

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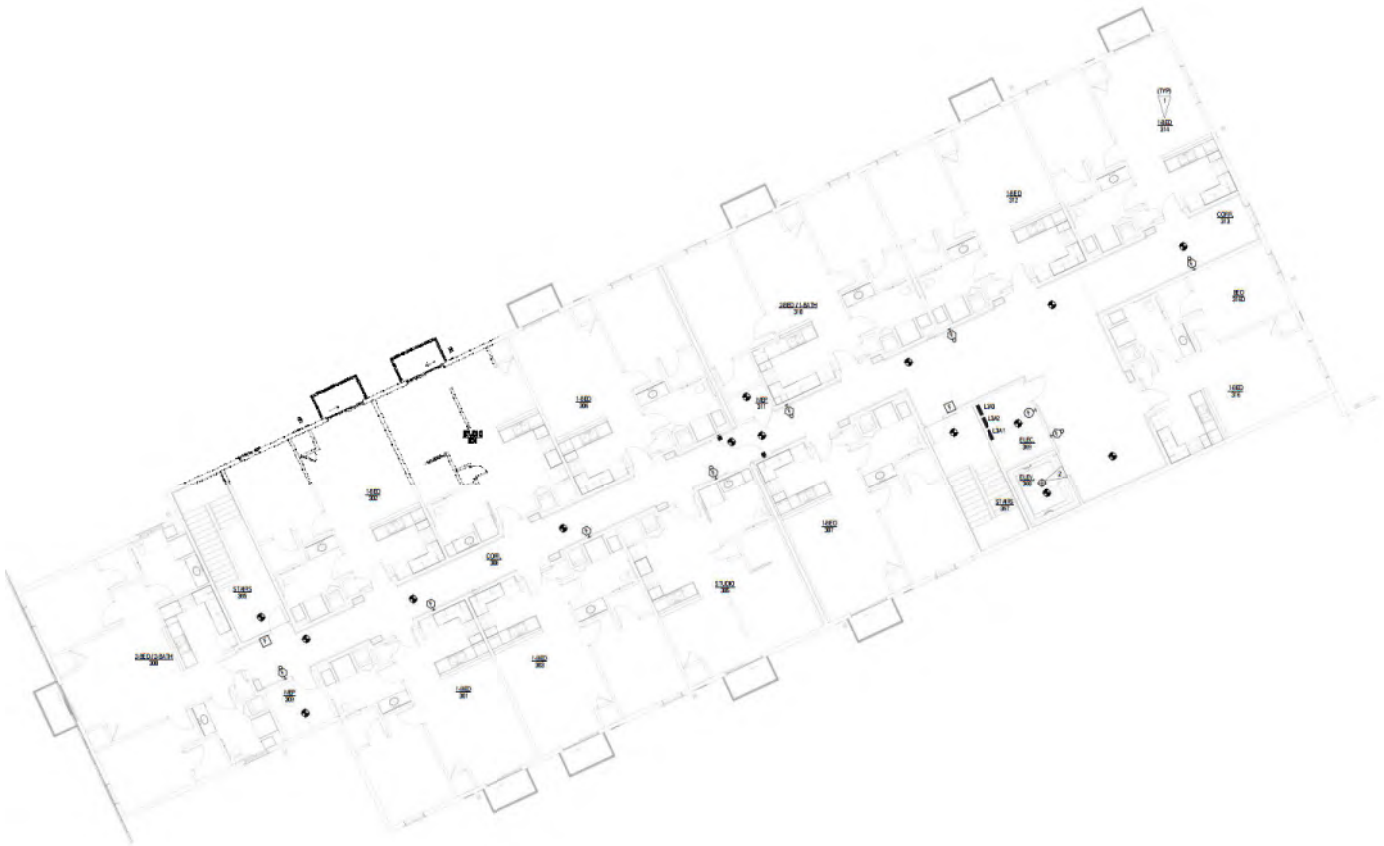
#	Revisions	
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SECOND FLOOR PLAN - AREA B - SPECIAL SYSTEMS

E305





KEY PLAN
1" = 80'-0"

FLAG NOTES

1. ROOM TYPE DESIGNATION. REFER TO ENLARGED PLAN SCHEDULE THIS SHEET.
2. PROVIDE HEAT DETECTORS WITHIN 0" OF SPRINKLER HEADS. VERIFY QUANTITY WITH RISE SPRINKLER CONTRACTOR.

ENLARGED PLAN SCHEDULE	
ROOM TYPE	ELECTRICAL ENLARGED PLAN
W/C-1	1/E402
W/C-2	2/E402
W/C-2A	3/E402
W/C-2B	5/E402
W/C-3	4/E402
IL STUDIO	1/E402 AND 2/E402
IL1 BED	3/E402
IL2 BED 1 BATH	4/E402
IL2 BED 2BATH	5/E402

NOTE: REFER TO FLOOR PLAN FOR ROOM TYPE DESIGNATIONS. REFER TO ASSOCIATED ENLARGED PLAN FOR SPECIFIC MECHANICAL, PLUMBING, AND ELECTRICAL REQUIREMENTS FOR EACH ROOM TYPE. ENLARGED PLANS APPLY TO ALL INSTANCES OF A ROOM TYPE ON A FLOOR PLAN.

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THIRD FLOOR PLAN - AREA A - SPECIAL SYSTEMS 1
1/8" = 1'-0"
2' 4' 8' 12' 16' 20'

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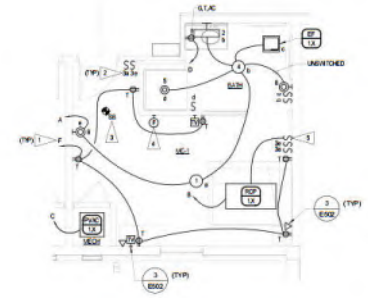
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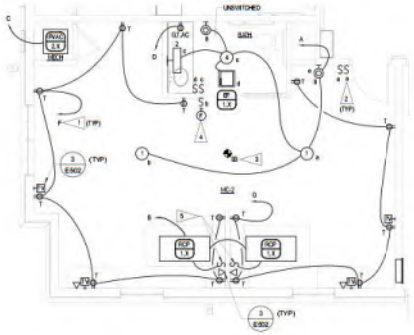
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THIRD FLOOR PLAN - AREA A - SPECIAL SYSTEMS

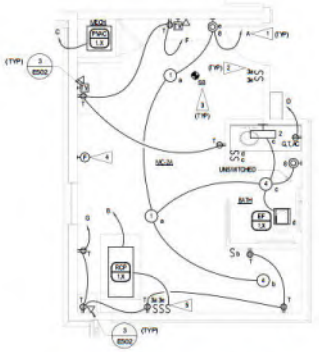
E306



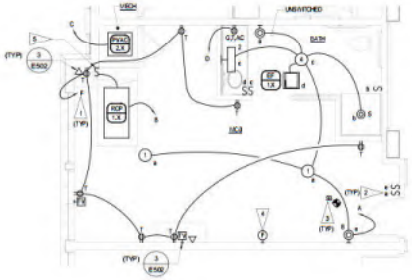
TYPICAL ENLARGED MC-1 - ELECTRICAL 1



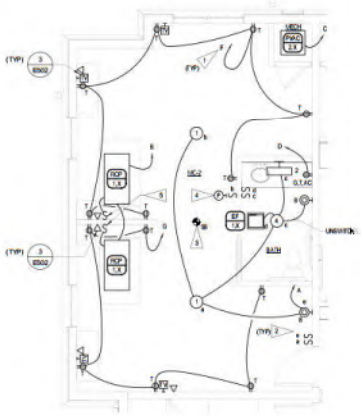
TYPICAL ENLARGED MC-2 - ELECTRICAL 2



TYPICAL ENLARGED MC-2A - ELECTRICAL 3



TYPICAL ENLARGED MC-3 - ELECTRICAL 4



TYPICAL ENLARGED MC-2B - ELECTRICAL 5

GENERAL NOTES:

1. COORDINATE LOAD CENTER AND TELECOM ENCLOSURE ROUGH-IN LOCATIONS WITH PLANS SO THAT PROPER OPENINGS ARE ADEQUATELY SIZED.
2. REFER TO OVERALL FLOOR PLANS FOR ROOM ORIENTATIONS.
3. RECEPTACLE AND TELECOM ROUGH-IN ELEVATIONS SHALL BE 24" AFF IN RESIDENT ROOMS UNLESS NOTED OTHERWISE.

FLAG NOTES:

1. CIRCUIT TAG. SEE ROOM CIRCUIT SCHEDULE ON SHEET E0.03.
2. LOWER CASE LETTERING INDICATES FIXTURE CONTROLLED BY THE SWITCH WITH THE SAME LETTER. CONNECT SWITCHES ACCORDINGLY.
3. DETECTOR SHALL ACTIVATE NOTIFICATION DEVICE WITHIN RESIDENT UNIT AND BE SUPERVISED BY THE BUILDING FIRE ALARM SYSTEM. DETECTOR SHALL NOT ACTIVATE BUILDING ALARM. SOUNDER BASE SHALL BE ACTIVATED BY BOTH RESIDENT UNIT AND BUILDING ALARM.
4. NOTIFICATION DEVICE SHALL BE ACTIVATED BY BOTH RESIDENT UNIT AND BUILDING ALARMS.
5. PROVIDE ELECTRONICALLY-KEYED TIMER SWITCH, INTERMATIC EI2885 SERIES OR EQUIVALENT FOR CONTROL OF RCP.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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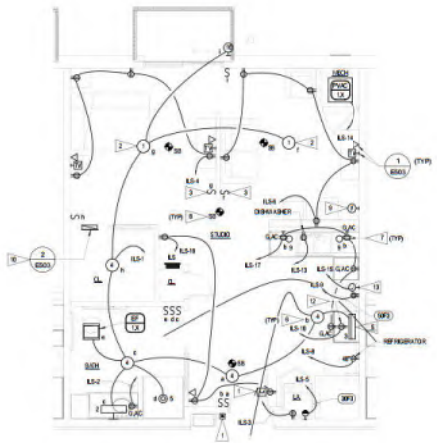
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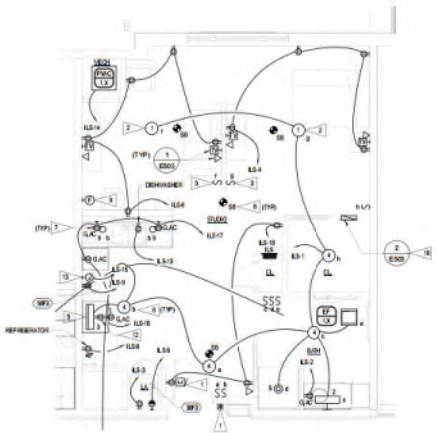
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ENLARGED LIVING UNIT PLANS - ELECTRICAL

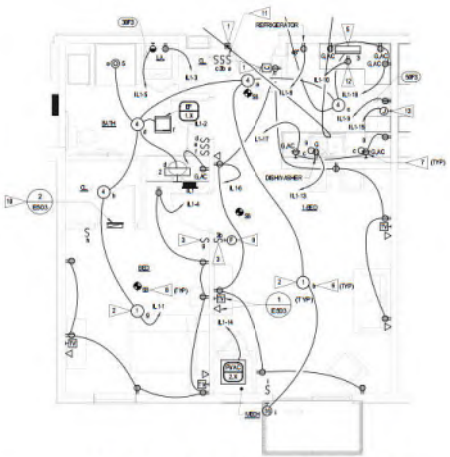
E401



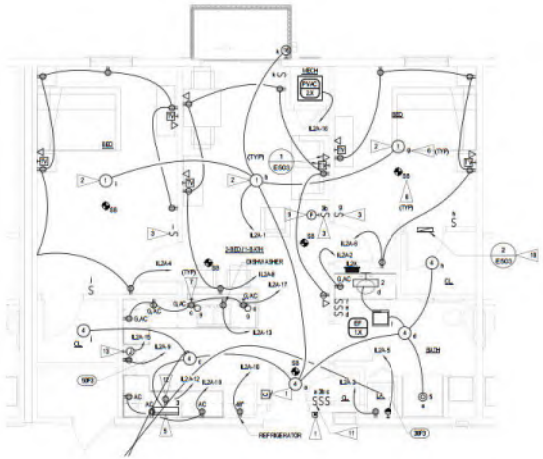
TYPICAL ENLARGED IL-STUDIO - ELECTRICAL 1



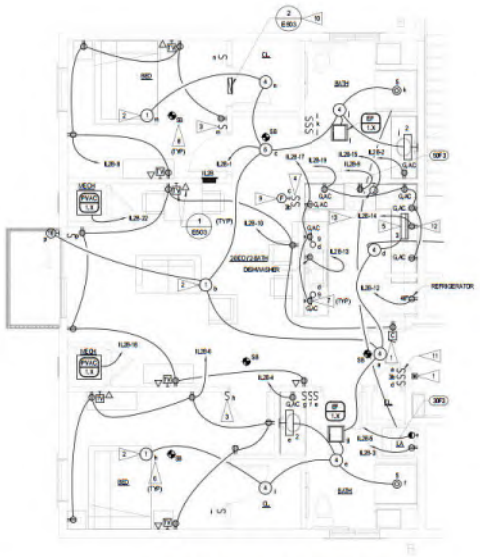
TYPICAL ENLARGED IL-STUDIO 225 - ELECTRICAL 2



TYPICAL ENLARGED IL-1 BED - ELECTRICAL 3



TYPICAL ENLARGED IL-2-BED / 1 BATH - ELECTRICAL 4



TYPICAL ENLARGED IL-2-BED / 2 BATH - ELECTRICAL 5

GENERAL NOTES:

1. COORDINATE ILLAC CENTER AND TELECOM ENCLOSURE ROUGH-IN LOCATIONS WITH PLUMBER. SET TINT FRAME IN DRYWALL AND ADJUST AS REQ.
2. REFER TO OVERALL FLOOR PLANS FOR ROOM ORIENTATIONS AND KITCHENETTE LAYOUTS.
3. RECEPTACLE AND TELECOM ROUGH-IN ELEVATIONS SHALL BE 24" AFF IN RESIDENT ROOMS UNLESS NOTED OTHERWISE.

FLAG NOTES:

1. PROVIDE FLUSH MOUNTED NUTONE DOOR BELL CHIME WITH TRANSFORMER AND PUSHBUTTON. CONNECT TO NEAREST UNSWITCHED CIRCUIT IN ASSOCIATED UNIT. COORDINATE FINISH/STYLE WITH INTERIOR DESIGNER.
2. WIRE CEILING LIGHTING FIXTURE OUTLET BOX FOR FUTURE TENANT UPGRADE TO CEILING FAN. PROVIDE BACKBOX RATED FOR MOUNTING OF CEILING FAN.
3. PROVIDE 3-GANG MUDRING FOR ADDITION OF FUTURE FAN SWITCH. PROVIDE COVER PLATE WITH TWO (2) SWITCH OPENINGS AND ONE (1) BLANK. PROVIDE CONDUCTORS FOR SWITCHES TO FUTURE FAN AND TRAVELERS BETWEEN 3-WAY SWITCHES WHERE PRESENT. CAP AND LABEL UNUSED CONDUCTORS.
4. PROVIDE 3-GANG BOX WITH THREE-GANG MUDRING FOR ADDITION OF FUTURE FAN SWITCH. PROVIDE COVER PLATE WITH TWO (2) SWITCH OPENINGS AND ONE (1) BLANK. PROVIDE CONDUCTORS FOR SWITCHES TO FUTURE FAN AND TRAVELERS BETWEEN 3-WAY SWITCHES WHERE PRESENT. CAP AND LABEL UNUSED CONDUCTORS.
5. HARDWIRE FIXTURE TO BE CONTROLLED BY INTEGRAL SWITCH. ROUTE WIRING SO THAT NO WIRING CROSS ARE EXPOSED.
6. LOWER CASE LETTERING INDICATES FIXTURE CONTROLLED BY THE SWITCH WITH THE SAME LETTER. CONNECT SWITCHES ACCORDINGLY.
7. MOUNT HORIZONTAL RECEPTACLES CENTERED IN BACKSPLASH APPROXIMATELY 36" AFF. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
8. DETECTOR SHALL ACTIVATE NOTIFICATION DEVICE WITHIN RESIDENT UNIT AND BE SUPERVISED BY THE BUILDING FIRE ALARM SYSTEM. DETECTOR SHALL NOT ACTIVATE BUILDING ALARM. SOUNDER BASE SHALL BE ACTIVATED BY BOTH RESIDENT UNIT AND BUILDING ALARM.
9. NOTIFICATION DEVICE SHALL BE ACTIVATED BY BOTH RESIDENT UNIT AND BUILDING ALARMS.
10. MEDIA CONSOLIDATION ENCLOSURE. FLUSH-MOUNT ABOVE DOOR FACING INTO CLOSET.
11. PROVIDE 4-GANG BOX WITH 4-GANG MUDRING FOR ADDITION OF FUTURE FAN SWITCH. PROVIDE COVER PLATE WITH THREE (3) SWITCH OPENINGS AND ONE (1) BLANK. PROVIDE CONDUCTORS FOR SWITCHES TO FUTURE FAN AND TRAVELERS BETWEEN 3-WAY SWITCHES WHERE PRESENT. CAP AND LABEL UNUSED CONDUCTORS.
12. MOUNT MICROWAVE RECEPTACLE IN CASEWORK BELOW COUNTER AT 24"AFF.
13. MOUNT JUNCTION BOX FOR RANGE HOOD AT 60" AFF. COORDINATE CONNECTION REQUIREMENTS WITH EQUIPMENT SUPPLIER.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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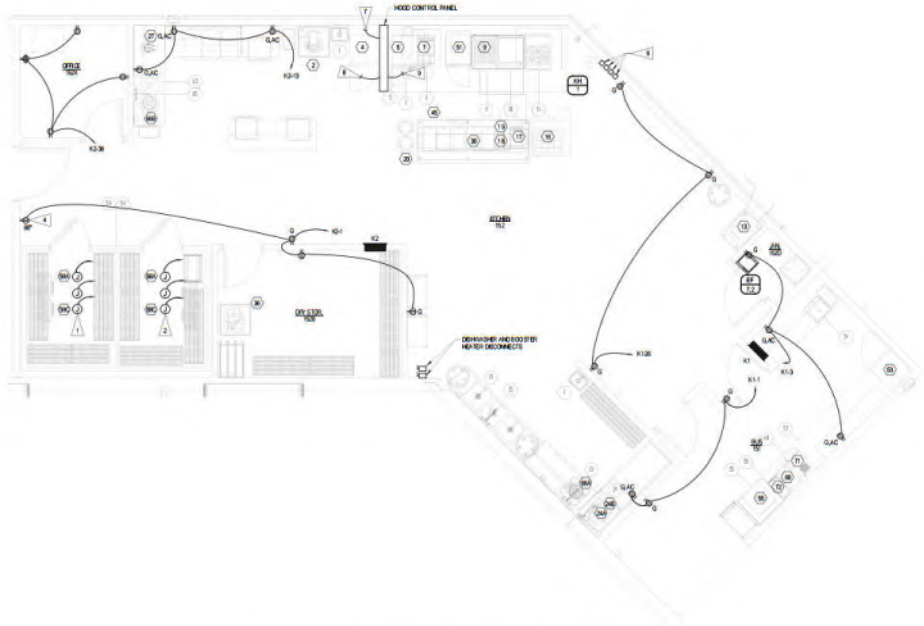
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ENLARGED LIVING UNIT PLANS - ELECTRICAL

E402



ENLARGED KITCHEN 152 PLAN - POWER 1



ENLARGED CAFE 132 - POWER 2



ENLARGED KITCHEN 035 PLAN - POWER 3

KITCHEN - FOOD SERVICE EQUIPMENT CONNECTION SCHEDULE

MARK	DESCRIPTION	VOLTAGE	PH	LOAD	CONNECTION	NEMA CONFIGURATION	MOUNTING HEIGHT	PANEL - CIRCUIT NO.	WIRE & CONDUIT	REMARKS
3	MIXER, COUNTER	120	1	6 A	CORD & PLUG	5-20	REMARK 1	K2-17	2OF2	
4	FREEZER, REACH-IN	120	1	3.7 A	CORD & PLUG	5-20	REMARK 1	K2-33	2OF2	2,3
5	OVEN, CONVECTION, GAS	120	1	8 A	CORD & PLUG	5-20	REMARK 1	K2-20	2OF2	2,3
7	STEAMER, CONVECTION, ELECTRIC	208	3	27 A	DIRECT	-	REMARK 1	K2-19	4OF3	2
9	REFRIGERATOR, SHORTY	120	1	8.1 A	CORD & PLUG	5-20	REMARK 1	K2-36	2OF2	2,3
13	ICE MAKER WITHOUT BIN	120	1	13.6 A	CORD & PLUG	5-20	REMARK 1	K3-16	2OF2	8
16	REFRIGERATOR, SANDWICH / SALAD	120	1	6.3 A	CORD & PLUG	5-20	REMARK 1	K2-32	2OF2	8
17	OVEN, MICROWAVE	120	1	12 A	CORD & PLUG	5-20	REMARK 1	K2-34	2OF2	6
18	TOASTER, CONVEYOR	120	1	15 A	CORD & PLUG	5-20	REMARK 1	K2-28	2OF2	6
19	REFRIGERATOR, UNDERCOUNTER	120	1	3 A	CORD & PLUG	5-20	REMARK 1	K2-30	2OF2	6
20	MOBILE PLATE DISPENSER	120	1	7 A	CORD & PLUG	5-20	REMARK 1	K2-26	2OF2	6
24A	DISHWASHER	208	3	24.6 A	DIRECT	-	REMARK 1	K1-9	3OF3	4
24B	DISHWASHER BOOSTER HEATER	208	3	20.4 A	DIRECT	-	REMARK 1	K1-15	3OF3	4
27	FOOD PROCESSOR	120	1	7 A	CORD & PLUG	5-20	REMARK 1	K3-15	2OF2	
30	DROPIN, HOT WELLS, TOP MOUNT	208	3	29.6 A	DIRECT	-	REMARK 1	K2-27	4OF3	6
36	SLICER, FOOD	120	1	3 A	CORD & PLUG	5-20	REMARK 1	K3-8	2OF2	
45	HEAT LAMP	208	1	1.75KW	DIRECT	-	REMARK 1	K1-27	3OF3	6
51	OVEN, SLOW COOK / HOLD	120	1	17 A	CORD & PLUG	5-20	REMARK 1	K2-42	2OF2	2,3
53	REFRIGERATOR, REACH-IN	120	1	3.8 A	CORD & PLUG	5-20	REMARK 1	K3-2	2OF2	
55	ICE MAKER, DISPENSER	120	1	9 A	CORD & PLUG	5-20	REMARK 1	K3-7	2OF2	
58A	WALK-IN COOLER LIGHTS	120	1	-	DIRECT	-	REMARK 1	K3-3	2OF2	
58B	WALK-IN COOLER CONDENSING UNIT	208	3	12.8 A	DIRECT	-	REMARK 1	K2-5	2OF3	7
58C	WALK-IN COOLER COIL	120	1	0.8 A	DIRECT	-	REMARK 1	K2-11	2OF2	9
59A	WALK-IN FREEZER LIGHTS & HEAT TAPE	120	1	-	DIRECT	-	REMARK 1	K3-2	2OF2	
59B	WALK-IN FREEZER CONDENSING UNIT	208	3	12.3 A	DIRECT	-	REMARK 1	K2-4	2OF3	7
59C	WALK-IN FREEZER COIL	208	1	0.8 A	DIRECT	-	REMARK 1	K2-10	2OF2	10
60	LIQUID COFFEE DISPENSER	120	1	20 A	CORD & PLUG	5-20	REMARK 1	K1-6	2OF2	8
66A	GARBAGE DISPOSAL	208	3	2HP	DIRECT	-	REMARK 1	K1-10	2OF3	5
66B	GARBAGE DISPOSAL	208	3	2HP	DIRECT	-	REMARK 1	K2-14	2OF3	5
71	DISPENSER, JUICER	120	1	8 A	DIRECT	-	REMARK 1	K1-5	2OF2	8
72	TEA BREWER	120	1	14.4 A	CORD & PLUG	5-20	REMARK 1	K1-23	2OF2	

GENERAL NOTES
a. ROUGH-INS FOR FOOD SERVICE EQUIPMENT SHALL BE IN ACCORDANCE WITH APPROVED FOOD SERVICE EQUIPMENT ROUGH-IN SHOP DRAWINGS.
b. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO FOOD SERVICE EQUIPMENT.
c. INSTALL ELECTRICAL ACCESSORIES AND FITTINGS FURNISHED LOOSE WITH THE FOOD SERVICE EQUIPMENT.
d. CONNECTIONS FOR FOOD SERVICE EQUIPMENT SHALL BE PROVIDED WITH LIQUIDTIGHT FLEXIBLE METAL CONDUIT.
e. ROUGH-IN REQUIREMENTS FOR EQUIPMENT "BY OWNER" SHALL BE VERIFIED WITH OWNER BEFORE INSTALLATION.

REMARKS
1 SEE FSEC PLANS FOR MOUNTING HEIGHT.
2 PROVIDE SHUNT-TRIP CIRCUIT BREAKER FOR CIRCUIT SERVING THIS EQUIPMENT. PROVIDE CONTROL WIRING CONDUIT FROM SHUNT-TRIP BREAKER TO ASSOCIATED EXHAUST HOOD RPE PROTECTION SYSTEM CABINET.
3 PROVIDE DEAD FRONT GFCI DEVICE FOR EQUIPMENT. SEE PLANS FOR LOCATION.
4 PROVIDE 30/3 DISCONNECT SWITCH IN A NEMA 4X ENCLOSURE. COORDINATE EXACT LOCATION IN FIELD TO MAINTAIN REQUIRED CLEARANCES.
5 INSTALL CONTROL PANEL WITH INTEGRAL DISCONNECT, SOLENOID VALVE AND CONTROL FOR DISPOSER PROVIDED WITH EQUIPMENT. COORDINATE LOCATION OF CONTROLS WITH OWNER/ARCHITECT.
6 ROUTE CIRCUIT FOR EQUIPMENT UP THROUGH CONDUIT STUB UP AT ISLAND.
7 EQUIPMENT LOCATED ON ROOF. SEE SHEET E205. PROVIDE 30/3 DISCONNECT IN NEMA 3R ENCLOSURE AT EQUIPMENT.
8 VERIFY CORD & PLUG CONNECTION WITH EQUIPMENT SUPPLIER. IF CORD & PLUG NOT PROVIDED WITH EQUIPMENT, CONTRACTOR TO PROVIDE CORD & PLUG CONNECTION.
9 PROVIDE 20A, SINGLE POLE TOGGLE SWITCH DISCONNECT.
10 PROVIDE 20A, TWO POLE TOGGLE SWITCH DISCONNECT.

CAFE - FOOD SERVICE EQUIPMENT CONNECTION SCHEDULE

MARK	DESCRIPTION	VOLTAGE	PH	LOAD	CONNECTION	NEMA CONFIGURATION	MOUNTING HEIGHT	PANEL - CIRCUIT NO.	WIRE & CONDUIT	REMARKS
C1	REFRIGERATED SERVICE CASE	120	1	11.3 A	CORD & PLUG	5-20	REMARK 1	L1B3-3	2OF2	
C2	SANDWICH / SALAD PREP REFRIGERATOR	120	1	8.0 A	CORD & PLUG	5-20	REMARK 1	L1B3-6	2OF2	
C3	CONVECTION OVEN, ELECTRIC	208	1	5 KW	CORD & PLUG	6-30	REMARK 1	L1B3-7	3OF3	3
C5	FOOD PAN WARMER / RETHERMALIZER	120	1	6.7 A	CORD & PLUG	5-20	REMARK 1	L1B3-8	2OF2	3
C7	CAPPUCCINO	120	1	10 A	CORD & PLUG	5-20	REMARK 1	L1B3-19	2OF2	2
C9	WATER JUICE MACHINE	120	1	8 A	CORD & PLUG	5-20	REMARK 1	L1B3-20	2OF2	2
C11	SOFT SERVE MACHINE	120	1	15 A	CORD & PLUG	5-20	REMARK 1	L1B3-10	2OF2	2
C12	REFRIGERATED MERCHANDISER	120	1	5.4 A	CORD & PLUG	5-20	REMARK 1	L1B3-11	2OF2	

GENERAL NOTES
a. ROUGH-INS FOR FOOD SERVICE EQUIPMENT SHALL BE IN ACCORDANCE WITH APPROVED FOOD SERVICE EQUIPMENT ROUGH-IN SHOP DRAWINGS.
b. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO FOOD SERVICE EQUIPMENT.
c. INSTALL ELECTRICAL ACCESSORIES AND FITTINGS FURNISHED LOOSE WITH THE FOOD SERVICE EQUIPMENT.
d. CONNECTIONS FOR FOOD SERVICE EQUIPMENT SHALL BE PROVIDED WITH LIQUIDTIGHT FLEXIBLE METAL CONDUIT.
e. ROUGH-IN REQUIREMENTS FOR EQUIPMENT "BY OWNER" SHALL BE VERIFIED WITH OWNER BEFORE INSTALLATION.

REMARKS
1 SEE FSEC PLANS FOR MOUNTING HEIGHT.
2 VERIFY CORD & PLUG CONNECTION WITH EQUIPMENT SUPPLIER. IF CORD & PLUG NOT PROVIDED WITH EQUIPMENT, CONTRACTOR TO PROVIDE CORD & PLUG CONNECTION.
3 ROUTE CIRCUIT THROUGH CONTACTOR C3. SEE DETAIL 5/E603.

SERVING KITCHEN - FOOD SERVICE EQUIPMENT CONNECTION SCHEDULE

MARK	DESCRIPTION	VOLTAGE	PH	LOAD	CONNECTION	NEMA CONFIGURATION	MOUNTING HEIGHT	PANEL - CIRCUIT NO.	WIRE & CONDUIT	REMARKS
M2	REFRIGERATOR	120	1	9 A	CORD & PLUG	5-20	REMARK 1	L1C1-98	2OF2	
M3	ICE MAKER, DISPENSER	120	1	9 A	CORD & PLUG	5-20	REMARK 1	L1C1-32	2OF2	
M4	JUICE DISPENSER	120	1	8 A	CORD & PLUG	5-20	REMARK 1	L1C1-34	2OF2	4
M5	COFFEE MACHINE	120	1	20 A	CORD & PLUG	5-20	REMARK 1	L1C1-36	2OF2	4
M6	MICROWAVE OVEN	120	1	15 A	CORD & PLUG	5-20	REMARK 1	L1C1-33	2OF2	3,4
M7	DISHWASHER	208	1	30.0 A	CORD & PLUG	6-50	REMARK 1	L1C1-60	3OF3	
M11	WAFFLE BAKER, ELECTRIC	120	1	13.5 A	CORD & PLUG	5-20	REMARK 1	L1C1-37	2OF2	3
M12	TOASTER, SLOT-TYPE	208	1	10.8 A	CORD & PLUG	6-30	REMARK 1	L1C1-39	2OF2	3
M13	UNDERCOUNTER FREEZER	120	1	2.3 A	CORD & PLUG	5-20	REMARK 1	L1C1-38	2OF2	
M14	UNDERCOUNTER REFRIGERATOR	120	1	2 A	CORD & PLUG	5-20	REMARK 1	L1C1-40	2OF2	
M15	DROPIN, HOT WELLS	208	3	29.6 A	DIRECT	-	REMARK 1	L1C1-42	4OF3	2,3

GENERAL NOTES
a. ROUGH-INS FOR FOOD SERVICE EQUIPMENT SHALL BE IN ACCORDANCE WITH APPROVED FOOD SERVICE EQUIPMENT ROUGH-IN SHOP DRAWINGS.
b. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO FOOD SERVICE EQUIPMENT.
c. INSTALL ELECTRICAL ACCESSORIES AND FITTINGS FURNISHED LOOSE WITH THE FOOD SERVICE EQUIPMENT.
d. CONNECTIONS FOR FOOD SERVICE EQUIPMENT SHALL BE PROVIDED WITH LIQUIDTIGHT FLEXIBLE METAL CONDUIT.
e. ROUGH-IN REQUIREMENTS FOR EQUIPMENT "BY OWNER" SHALL BE VERIFIED WITH OWNER BEFORE INSTALLATION.

REMARKS
1 SEE FSEC PLANS FOR MOUNTING HEIGHTS.
2 PROVIDE DISCONNECT SWITCH AS INDICATED ON PLANS.
3 ROUTE CIRCUIT THROUGH CONTACTOR C2. SEE DETAIL 5/E603.
4 VERIFY CORD & PLUG CONNECTION WITH EQUIPMENT SUPPLIER. IF CORD & PLUG NOT PROVIDED WITH EQUIPMENT, CONTRACTOR TO PROVIDE CORD & PLUG CONNECTION.

GENERAL NOTES

1. FINAL CONNECTIONS TO KITCHEN EQUIPMENT SHALL BE BY ELECTRICAL CONTRACTOR.
2. ALL 120V SINGLE PHASE RECEPTACLES 50A OR LESS AND THREE PHASE RECEPTACLES 100A OR LESS IN KITCHEN AREAS SHALL BE GFCI TYPE UNLESS PROTECTED BY GFCI BREAKER. WHERE EQUIPMENT PREVENTS RECEPTACLE FROM BEING READILY ACCESSIBLE, PROVIDE A GFCI BREAKER.
3. SEAL CONDUIT USING 3M PUTTY KNIFE SPRAY AT THE FOLLOWING WALK-IN FREEZER AREAS:
   - AROUND OUTSIDE OF CONDUIT AT PENETRATION INSIDE WALK-IN FREEZER
   - AROUND CONDUIT PENETRATION FOR FLIGHT CIRCUIT
   - AROUND OUTSIDE OF CONDUIT AT PENETRATION OUTSIDE WALK-IN FREEZER
4. COORDINATE WITH REFRIGERATION SUPPLIER AND CONNECT REFRIGERATION EQUIPMENT. PROVIDE REQUIRED ACCESSORIES FOR A COMPLETE AND FUNCTIONAL REFRIGERATION SYSTEM.
5. DIMENSIONS ARE TO BE VERIFIED WITH THE FOOD SERVICE CONTRACTOR AND ADJUSTED AS REQUIRED BY THE FOOD SERVICE EQUIPMENT AND/OR FIELD CONDITIONS.
6. INSTALL ELECTRICAL ACCESSORIES AND FITTINGS PROVIDED LOOSE WITH THE FOOD SERVICE EQUIPMENT.
7. PROVIDE SHUNT-TRIP BREAKERS FOR FUEL SHUT-OFF TO ALL ELECTRICALLY HEATED COOKING EQUIPMENT UNDER HOOD(S). FUEL SHUT-OFF DEVICE SHALL BE ACTUATED BY FIRE EXTINGUISHING SYSTEM DETECTOR LOCATED IN EXHAUST HOOD. PROVIDE MONITOR MODULE TO SEND TROUBLE SIGNAL TO FACP UPON FUEL SHUT-OFF.

FLAG NOTES

1. CONNECT WALK-IN FREEZER LIGHTS AND ANTI-SWEAT HEATER. PROVIDE GFCI RECEPTACLE FOR CONDENSATE DRAIN LINE HEAT TAPE.
2. CONNECT WALK-IN COOLER LIGHTS AND ANTI-SWEAT HEATER. RECEPTACLE FOR OWNER PROVIDED TIMECLOCK. COORDINATE EXACT LOCATION WITH OWNER.
3. HARD WIRE ON/OFF CONTROL OF KITCHEN EQUIPMENT VIA CONTACTOR C3. REFER TO DETAIL 5/E603.
4. RECEPTACLE FOR OWNER PROVIDED TIMECLOCK. COORDINATE EXACT LOCATION WITH OWNER.
5. MOUNT DISCONNECT IN CASEWORK BELOW.
6. PROVIDE DEAD FRONT 20-AMP GFCI DEVICES FOR EQUIPMENT UNDER HOOD. MOUNT AT 48" AFF. LABEL TO INDICATE CIRCUIT AND EQUIPMENT SERVED.
7. PROVIDE SOLENOID CONNECTIONS FOR FIRE SUPPRESSION SYSTEM INCLUDING CONTACTOR CONTROLS, GAS SOLENOID VALVE, CONTROL DEVICES AND FIRE ALARM CONTROL PANEL. COORDINATE REQUIREMENTS WITH HOOD SUPPLIER.
8. PROVIDE CONNECTION TO REMOTE TEMPERATURE SENSOR PER HOOD MANUFACTURER REQUIREMENTS.
9. PROVIDE CONNECTION TO HOOD LIGHTS AND MAKE NECESSARY CONNECTIONS FROM HOOD LIGHT TO CONTROL PANEL FOR CONTROL OF LIGHTS PER HOOD MANUFACTURER REQUIREMENTS.
10. HARD WIRE ON/OFF CONTROL OF KITCHEN EQUIPMENT VIA CONTACTOR C3. REFER TO DETAIL 5/E603.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

#	Revisions	
4	Issued For Const. / AS #1	02/22/19

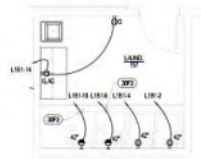
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February 22, 2019

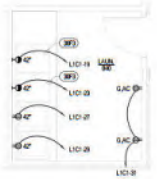
ENLARGED PLANS - ELECTRICAL

E403

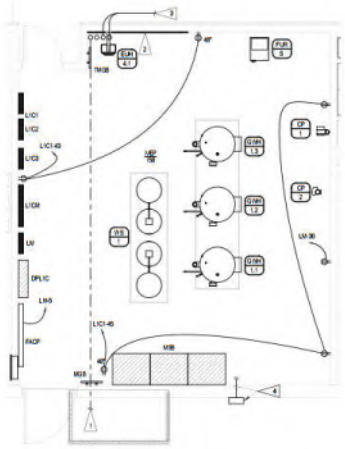
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ENLARGED LAUNDRY 157 PLAN - POWER 1



ENLARGED LAUNDRY 040 PLAN - POWER 2



ENLARGED MEP 158 PLAN - POWER 3

FLAG NOTES

1. TELECOM SERVICE CONDUIT'S. SEE SHEET E05 1 FOR CONTINUATION. COORDINATE EXACT SERVICE ENTRANCE LOCATION WITH OWNER.
2. PROVIDE ACX RATED PLYWOOD WITH 2 COATS OF FIRE RETARDANT PAINT FOR OWNER FURNISHED TELECOM EQUIPMENT. COORDINATE EXACT LOCATION WITH OWNER.
3. TWO 4" CONDUITS. ROUTE CONDUIT UP TO 2ND FLOOR ELECTRICAL ROOM 239. COORDINATE LOCATION TO MAINTAIN REQUIRED CLEARANCES. PROVIDE PULL BOXES AS REQUIRED.
4. PROVIDE A NEMA 3R ELECTRICAL BOX WITH 4-4"C STUBBED INTO MAIN ELECTRICAL ROOM SEAL AND CAP CONDUIT ON BOTH ENDS AND PROVIDE LABEL INSIDE ELECTRICAL BOX WITH THE FOLLOWING, "CONDUIT FOR TEMPORARY GENERATOR CONNECTION, SIZED FOR REDUCED BUILDING LOAD" COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT.

PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT RECURRING A NEUTRAL, UNLESS OTHERWISE NOTED.

INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

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The Heritage at Fox Run - Council Bluffs

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#	Issue/For Const. / AS #1	02/22/19

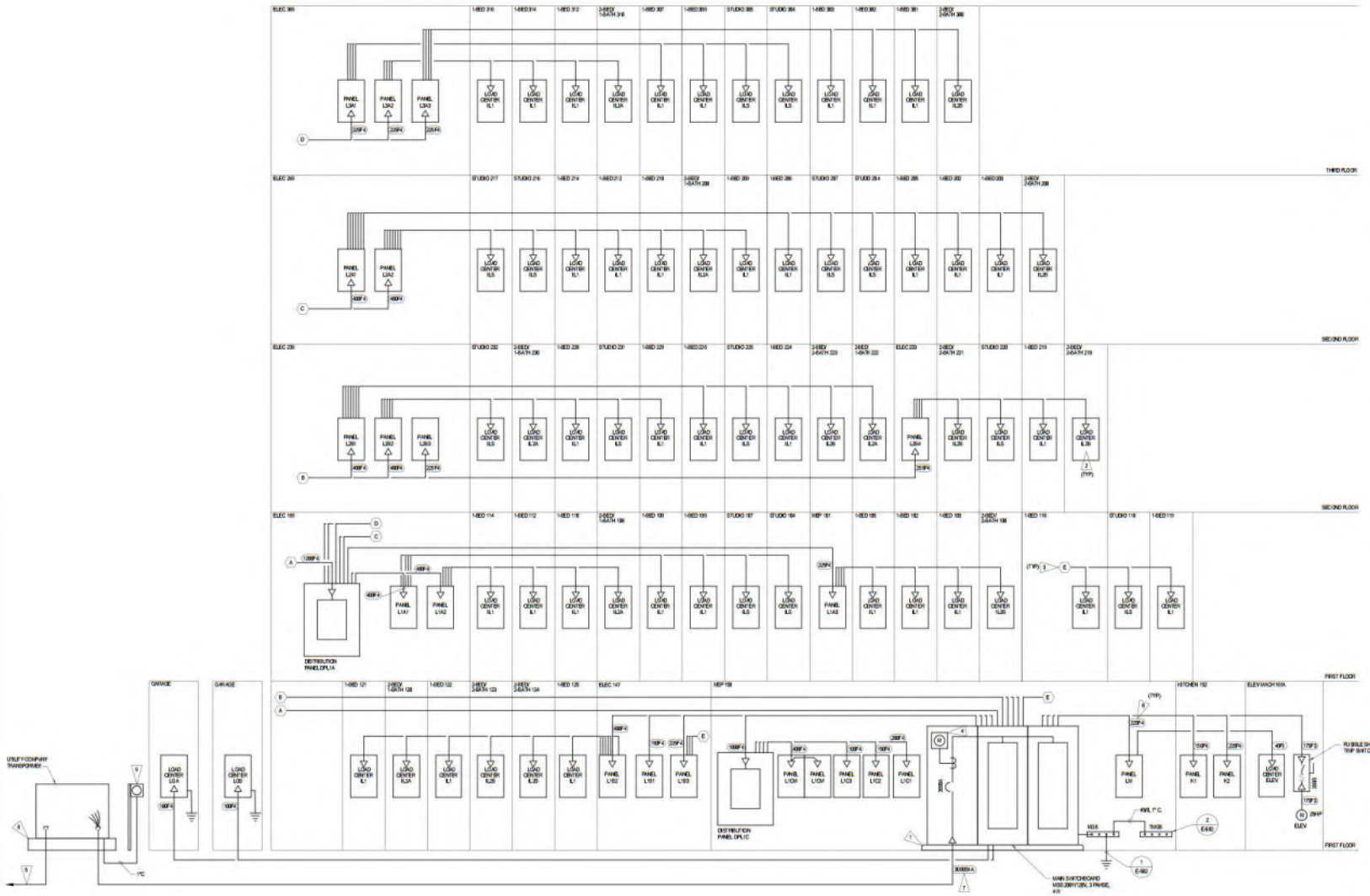
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ENLARGED PLANS - ELECTRICAL

E404

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RESIDENT UNIT FEEDER SCHEDULE	
ROOM TYPE	PANEL FEEDER
IL5	100F3
IL1	100F3
IL2A	100F3
IL2B	100F3

FLAG NOTES

1. PROVIDE 3.5" CONCRETE PAD WITH 3/4" CHAMFER ON SIDES NOT ABUTTING PARTITION.
2. REFER TO RESIDENT UNIT FEEDER SCHEDULE, THIS SHEET, FOR PANEL FEEDER SIZE. PROVIDE FEEDER AS SCHEDULED UNLESS NOTED OTHERWISE.
3. IDENTIFICATION TAG INDICATES CONTINUATION OF FEEDER(S) ON THIS SHEET.
4. PROVIDE OWNER METERING OF SWITCHBOARD PER SPECIFICATIONS.
5. UTILITY PRIMARY CONDUITS.
6. PROVIDE TRANSFORMER PAD PER UTILITY COMPANY REQUIREMENTS.
7. ALUMINUM FEEDER ACCEPTABLE FOR SERVICE ENTRANCE ONLY.
8. FEEDER DESIGNATION - SEE FEEDER SCHEDULE, SHEET E003.
9. PROVIDE METER SOCKET AND TEST SWITCH PER UTILITY REQUIREMENTS. PROVIDE UNISTRUT FOR MOUNTING AS REQUIRED.

POWER RISER DIAGRAM 1
NO SCALE

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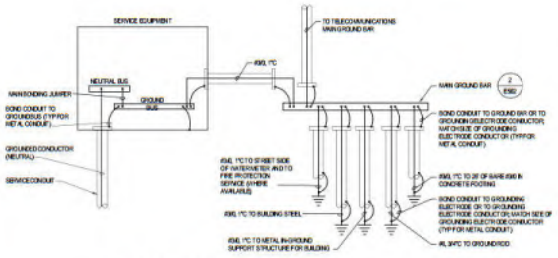
#	Revisions	
4	Issued For Const. / AB #1	02/22/19

Project #: 161001

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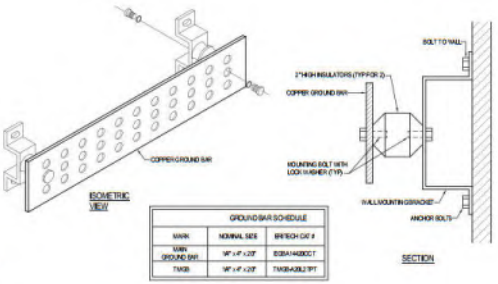
POWER RISER DIAGRAM

E501



SERVICE GROUNDING

NO SCALE — 1 E-502



GROUND BAR SCHEDULE		
MARK	NOMINAL SIZE	BRITECH CAT #
MAIN GROUND BAR	1/4" x 4" x 20"	EGBA1440DDT
TMGB	1/4" x 4" x 12"	TMGBA1204PT

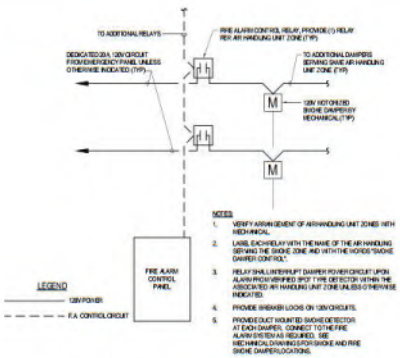
GROUND BAR

NO SCALE — 2 E502



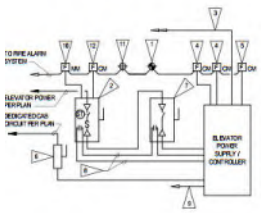
COMMUNICATIONS ROUGH-IN

NO SCALE — 3 E502



SMOKE DAMPER CONNECTION

NO SCALE — 4 E502



GENERAL NOTES

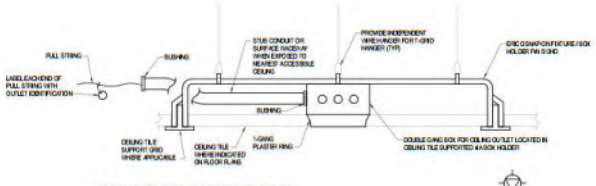
1. VERIFY EQUIPMENT LOCATIONS WITH ELEVATOR MANUFACTURER'S SHOP DRAWINGS PRIOR TO INSTALLATION OF EQUIPMENT.
2. PROVIDE HAND-OFF-AUTO SWITCH IN FIRE ALARM CONTROL PANEL FOR CONTROL OF MOTORIZED DAMPER AT TOP OF SHAFT IF REQUIRED. PROGRAM SYSTEM FOR DAMPER CONTROL AS DIRECTED BY AUTHORITY HAVING JURISDICTION. SEE PLANS FOR DAMPER LOCATION AND CIRCUIT.
3. PROVIDE TEMPORARY POWER IN HOISTWAY TO FACILITATE ELEVATOR INSTALLATION PER ELEVATOR MANUFACTURER'S REQUIREMENTS.

FLAG NOTES

1. SMOKE DETECTORS AT MACHINE ROOM OR SPACE, CONTROL ROOM OR SPACE, ELEVATOR LANDINGS, AND TOP OF ELEVATOR HOISTWAY PER PLAN. ALARM ACTIVATION OF THESE DETECTORS SHALL INITIATE ELEVATOR RECALL PER A17.1
2. ELEVATOR CONTROLLER DISCONNECTING MEANS, FUSIBLE SHUNT TRIP SAFETY SWITCH PER PLAN - MANUFACTURED BY SUSSMAN, MERSEN OR LITTELFUSE. PROVIDE WITH CONTROL POWER TRANSFORMER, SHUNT TRIP VOLTAGE MONITOR, FIRE SAFETY INTERFACE RELAY AND AUXILIARY CONTACTS (1 SET). PROVIDE CLASS J FUSES SIZED PER ELEVATOR MANUFACTURER'S RECOMMENDATIONS. PROVIDE PHENOLIC NAMEPLATE ON ENCLOSURE WITH LABEL CORRESPONDING TO THE IDENTIFYING NUMBER OF THE ELEVATOR CAR.
3. PROVIDE TELEPHONE CABLE IN CONDUIT TO PLAN END ON BLOCK IN NEAREST TELECOM ROOM. COORDINATE TERMINATION WITH ELEVATOR MANUFACTURER. PROVIDE 3/4" EMPTY CONDUIT FOR SECURITY ACCESS CONTROL SYSTEM, VERIFY LOCATION OF CONTROL PANEL.
4. ELEVATOR RECALL: PROVIDE CONTROL MODULES TO INITIATE ELEVATOR RECALL PER NFPA 72.
5. ELEVATOR CAR VISUAL SIGNAL.
6. 30-AMP ENCLOSED FUSIBLE SAFETY SWITCH, QUANTITY AND LOCATION PER PLAN. SWITCHES SHALL BE LOCKABLE IN OPEN POSITION (PADLOCKED BY ELEVATOR MANUFACTURER REQUIREMENTS). PROVIDE PHENOLIC NAMEPLATE ON ENCLOSURE WITH NUMBER CORRESPONDING TO THE IDENTIFYING NUMBER OF ELEVATOR CAR, AND THE LOCATION OF THE SUPPLY SIDE OVERCURRENT PROTECTION DEVICE.
7. PROVIDE NON-FUSED, ENCLOSED SAFETY SWITCH WHEN ELEVATOR POWER SUPPLY CONTROLLER IS LOCATED IN HOISTWAY. PROVIDE WITH AUXILIARY CONTACTS (1 SET (NO/NC)) - ENCLOSURE, LOCKABLE IN THE OPEN POSITION, CONTACT SHALL OPEN WHEN DISCONNECT IS IN THE OFF STATE. LOCATE WITHIN SIGHT OF CONTROLLER, SIZE SWITCH TO MATCH UPSTREAM ELEVATOR DISCONNECT.
8. WHEN AUTOMATIC LOWERING FEATURE IS INCLUDED WITH THE ELEVATOR, PROVIDE TWO (2) #18AWG THHN STRANDED COPPER CONDUCTORS FROM AUX CONTACTS ON ELEVATOR DISCONNECTING MEANS TO ELEVATOR CONTROLLER. WHEN ADDITIONAL NON-FUSED DISCONNECTS PROVIDED IN HOISTWAY, CONNECT AUXILIARY CONTACTS ON BOTH DISCONNECTS IN SERIES.
9. IMPENDING TRANSFER, PROVIDE CONDUCTORS IN CONDUIT TO AUTOMATIC TRANSFER SWITCH WHEN ELEVATOR IS ON EMERGENCY POWER.
10. MONITOR MODULE FOR SHUNT TRIP VOLTAGE MONITORING, CONNECT TO SHUNT TRIP SWITCH TO INITIATE FIRE ALARM SUPERVISORY SIGNAL UPON LOSS OF SHUNT TRIP POWER.
11. HEAT DETECTORS IN MACHINE ROOM OR SPACE, CONTROL ROOM OR SPACE, AND TOP AND BOTTOM OF HOISTWAY PER PLAN. PROVIDE DETECTORS WITH LOWER ALARM TEMPERATURE AND HIGHER SENSITIVITY THAN SPRINKLER HEADS PER ELEVATOR CODE. PROVIDE DETECTORS WITHIN 24" OF SPRINKLER HEADS PER NFPA. CLIPON "VERIFIED ALARM" ACTIVATION OF SENSORS SHALL SHUT DOWN POWER TO ELEVATOR.
12. ELEVATOR POWER SHUNT TRIP, CONNECT TO FIRE SAFETY INTERFACE IN ELEVATOR CONTROLLER DISCONNECTING MEANS.

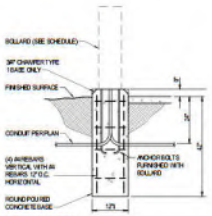
ELEVATOR INTERCONNECTION SCHEMATIC (SPRINKLED)

NO SCALE — 5 E502



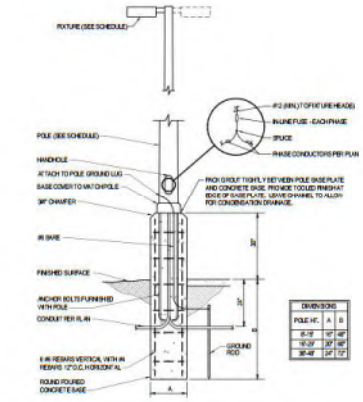
CEILING COMMUNICATIONS ROUGH-IN DETAIL

NO SCALE — 6 E502



BOLLARD BASE

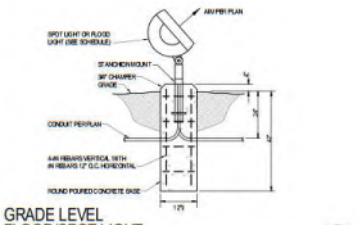
NO SCALE — 8 E502



DIMENSIONS		
POLE HT.	A	B
8'-15'	10"	48"
16'-29'	30"	66"
30'-40'	24"	72"

POLE BASE (ABOVE GROUND)

NO SCALE — 7 E502



GRADE LEVEL FLOOD/SPOT LIGHT

NO SCALE — 9 E502

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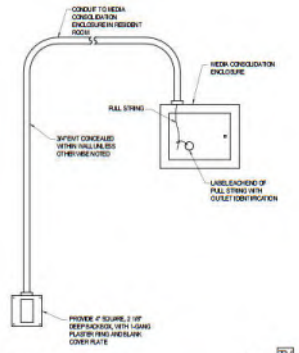
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#	Revisions	
4	Issued For Const. / AS #1	02/22/19

Project #: 161001

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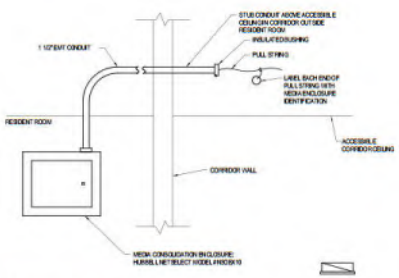
ELECTRICAL DETAILS
E502



ALU COMMUNICATIONS ROUGH-IN DETAIL

NO SCALE

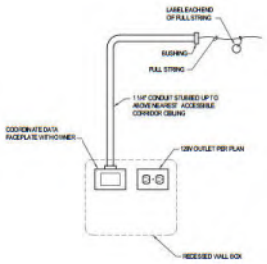
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MEDIA CONSOLIDATION ENCLOSURE ROUGH-IN DETAIL

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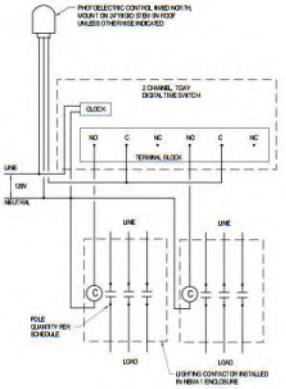
2 E503



TELEVISION ROUGH-IN

NO SCALE

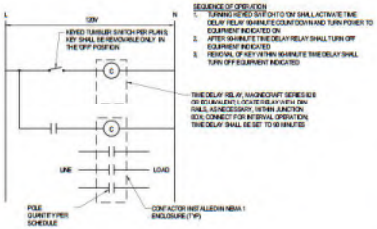
3 E503



PHOTOELECTRIC CONTROL AND TIME SWITCH 2 CHANNEL

NO SCALE

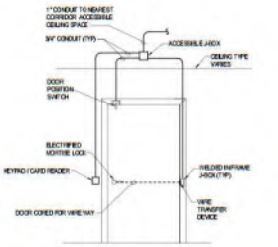
4 E503



KITCHEN EQUIPMENT CONTROL SCHEMATIC

NO SCALE

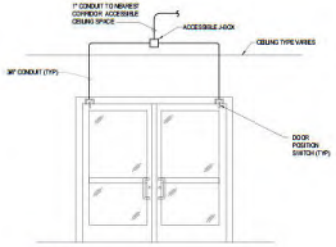
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DOOR ELEVATION DETAIL

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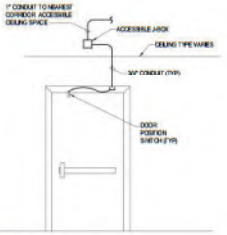
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DOOR ELEVATION DETAIL

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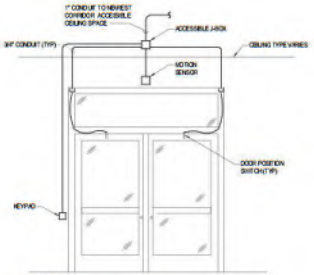
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DOOR ELEVATION DETAIL

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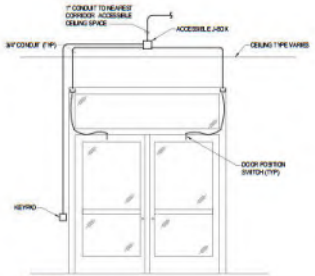
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DOOR ELEVATION DETAIL

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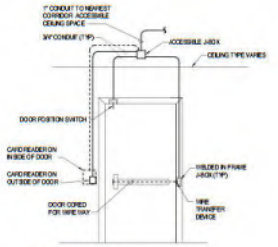
9 E503



DOOR ELEVATION DETAIL

NO SCALE

10 E503



DOOR ELEVATION DETAIL

NO SCALE

11 E503

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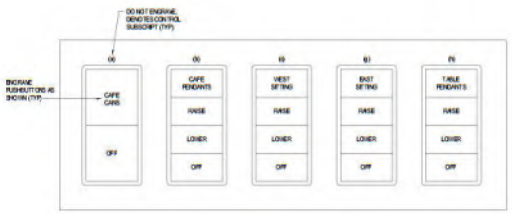
Project #: 161001

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ELECTRICAL DETAILS

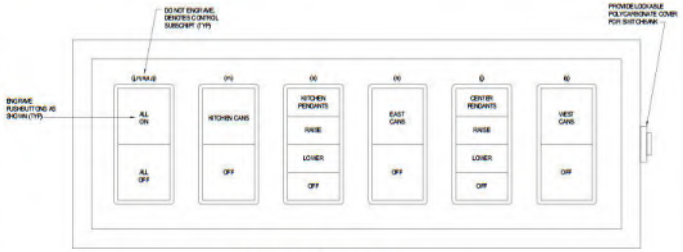
E503



SITTING 123
SWITCHBANK DETAIL
NO SCALE
1 E504



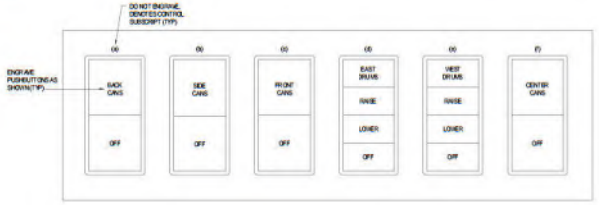
DINING 150
SWITCHBANK DETAIL
NO SCALE
2 E504



MC KITCHEN/DINNING
SWITCHBANK DETAIL
NO SCALE
3 E504



MC CORRIDOR
SWITCHBANK DETAIL
NO SCALE
4 E504



COMMUNITY 226
SWITCHBANK DETAIL
NO SCALE
5 E504

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ELECTRICAL DETAILS
E504

LUMINAIRE SCHEDULE

LUM. NO.	MANUFACTURER	CATALOG NO.	LAMP DATA	VOLTAGE	DESCRIPTION	MOUNTING	ALTERNATE MANUFACTURERS	REMARKS
1	SEAGULL	7716581S	LED: 2000LM, 2700K, 26W	120	14.5"RESIDENTIAL LED DOME LIGHT	SURFACE - CEILING	TERON	
2	SEAGULL	44116DEN	LED: (4)MEDIUM A 19 BASE, 40W	120	4-LAMP BATHROOM LED VANITY LIGHT	SURFACE - WALL	TERON	1
3	HALO	HU30SCT24P	LED: 600LM, 11W, 3000K	120	UNDERCABINET LIGHT	UNDERCABINET	LITHONIA	2
4	SEAGULL	7916EN	LED: (2)MEDIUM A 19 BASE, 20W	120	13"RESIDENTIAL LED DOME LIGHT	SURFACE - CEILING	TERON	
5	GOTHAM	EVO 21/5/6/DFR MVOLT	LED: 1500LM, 2700K, 16W	120	6"LED SHOWER DOWNLIGHT	RECESSED - CEILING	PATHWAY, PORTFOLIC	
6	SEAGULL	7916EN	LED: (1)MEDIUM A 19 BASE, 10W	120	11.5"RESIDENTIAL LED DOME LIGHT	SURFACE - CEILING	TERON	
7	DALS	WS90D-11-3LEDHEA-BK	LED: 2200LM, 3000K, 7W	120	DECORATIVE WALL SCONCE	SURFACE - WALL	EVERGREEN	1
8	BRUCK	139223-HL	LED: 320K, 2.6W	120	LED NIGHTSTEP LIGHT	RECESSED - WALL	PC LIGHTING	3
9	HALO	SMD6RA12927-WH-DM	LED: 1200LM, 2700K, 16W	120	6" ROUND, SURFACE MOUNT DOWNLIGHT, IC RATED	SURFACE - CEILING	JUNO	4
10	HALO	SMD6RA6-927-WH	LED: 1200LM, 2700K, 16W	120	6" ROUND, SURFACE MOUNT DOWNLIGHT, FIRE RATED, PHASE DIMMING	SURFACE - CEILING	JUNO	4
11/11E	METALUX	2ARFSB30C9	LED: 5200LM, 65W, 3000K	120	2X4 FLAT PANEL LED	RECESSED - CEILING	ELITE LED LIGHTING	
12/12E	COLUMBIA	LCAT24-30ML/GED-U	LED: 4600LM, 3000K, 38W	120	2X4 VOLUMETRIC TROFFER, 0-10V DIMMING	RECESSED - CEILING	LITHONIA, METALUX	
13	EUREKA	6175LED 13-UD-120VOV-C-60-DHR -XXX-CLR	LED: 1000LM, 13W, 3000K	120	CAFE DECORATIVE PENDANT	PENDANT		
14	HALO	SMD6RA6-8EWH	LED: 1200LM, 3000K, 16W	120	6" ROUND, SURFACE MOUNT DOWNLIGHT, PHASE DIMMING	SURFACE - CEILING	JUNO	
15	GOTHAM	EVO-CYL-5/30/-WR-WD-LSS-MVO LT-EZ10/FOM	LED: 2000LM, 3000K, 23W	120	5"LED CYLINDER	SURFACE - CEILING	PORTFOLIO	
16	BROWNLEE	7322-06LED-30K	LED: 700LM, 6W, 3000K	120	UNING UNIT PATIO LIGHT	SURFACE - WALL	EVERGREEN	
17	SEAGULL	44240DEN3	LED: (3)MEDIUM A 19 BASE, 30W	120	3-LAMP BATHROOM LED VANITY LIGHT	SURFACE - WALL	KICHLER	
18/18E	PRESCOLITE	LFSIL-WW-6LFSL-15L-30K-8-WH	LED: 1100LM, 15W, 3000K	120	6" WALLWASH DOWNLIGHT	RECESSED - CEILING	SPECTRUM, GOTHAM	
19	COLUMBIA	LCL-4-30-HL-ED-U	LED: 6100LM, 62W, 3000K	120	4 LENSED STRIPLIGHT, 0-10V DIMMING	SURFACE - WALL	METALUX, LITHONIA	
20	OCL	CT1-PCA-T-MW-XXXLED 1-20KU NW-DMG	LED: 1050LM, 15W, 3000K	120	DECORATIVE ROUND DISK PENDANT	PENDANT		
21/21E	COLUMBIA	LCL-4-30-MLE-U	LED: 5300LM, 42W, 3000K	120	4'LENSED STRIPLIGHT	REMARK 6	METALUX, LITHONIA	
22E	COLUMBIA	LCL-4-30-MLE-U	LED: 5300LM, 42W, 3000K	120	4' LENSED STRIPLIGHT WALL MOUNTED	SURFACE - WALL	METALUX, LITHONIA	
23	BROWNLEE	2616-30-XX-XX-C2TLED-WW-CO1-30 K-DIM	LED: 3800LM, 37W, 3000K	120	30" DIAMETER, DECORATIVE DRUM PENDANT	PENDANT		
24	COLUMBIA	TCAT24-30-ML/G-ED-U	LED: 4700LM, 38W, 3000K	120	2X4 ARCHITECTURAL TROFFER, 0-10V DIMMING	RECESSED - CEILING	METALUX, LITHONIA	
25/25E	METALUX	2RFPSB30C9PSUSRF24	LED: 5200LM, 65W, 3000K	120	2X4 FLAT PANEL LED SURFACE MOUNT	SURFACE - CEILING	ELITE LED LIGHTING	
26	LITECONTROL	1SL-CC-44-HO66-C-1-DR-ADSD-SD1-1 C-UNV	LED: 2600LM, 2800K, 3000K	120	40"LINEAR ASYMMETRIC INDIRECT LED COVE	SURFACE	PRUDENTIAL	
27	SCOTT ARCHITECTURAL	S7109-L24-06K	LED: 3200LM, 34W, 3000K	120	16"DIAMETER DRUM, 0-10V DIMMING	SURFACE - CEILING	BROWNLEE	
28	METALUX	4ARVLD-40LB-HD	LED: 6100LM, 39W, 3000K	120	WET RATED, GASKETED ELEVATOR PIT LIGHT	SURFACE	LITHONIA, PHILIPS, COLUMBIA	
29	LITECONTROL	1SL-CC-44-20-N4-C-1-DR-ADSD-SD1-1 C-UNV	LED: 1600LM, 1400K, 2000K	120	20"LINEAR ASYMMETRIC INDIRECT LED COVE	SURFACE	PRUDENTIAL, FOCALPOINT	
30	RHELITE	HOMEPRO-19-M-B-60W/SOFT-OP N-120V-PR-DIESC	LED: 1600LM, 60W, 3000K	120	19" LINEAR, DIRECT/INDIRECT PENDANT, 0-10V DIMMING	PENDANT		
31	OCL	CT1-C-19-A-1-M-W-XXXLED 1-20-KU NW-DMG	LED: 1050LM, 15W, 3000K	120	DECORATIVE CEILING SURFACE MOUNT	SURFACE - CEILING		
32/32E	BROWNLEE	2135-24-C3TLED-WW-30K-DIM	LED: 3800LM, 37W, 3000K	120	24"DIAMETER, DECORATIVE CEILING SURFACE MOUNT	SURFACE - CEILING		
33	BROWNLEE	7614-XX-C3TLED-WW-30K	LED: 2800LM, 37W, 3000K	120	EXTERIOR SCONCE	SURFACE - WALL	EVERGREEN	
34	SEAGULL	31216DEN3	LED: (3)MEDIUM A 19 BASE, 50W	120	5-LAMP CHANDELIER	PENDANT		
X1	LITHONIA	LDG-W1-R-ELN	INTEGRAL LED	120	SINGLE FACE LED EXIT SIGN W/ RED LETTERING	UNIVERSAL	HUBBELL, PHILIPS	5
X2	LITHONIA	LDG-W2-R-ELN	INTEGRAL LED	120	DOUBLE FACE LED EXIT SIGN W/ RED LETTERING	UNIVERSAL	HUBBELL, PHILIPS	5
X3	LITHONIA	LWS-W1-R-SSW7-ELN-CU	INTEGRAL LED	120	SINGLE FACE LED EXIT SIGN W/ RED LETTERING, COLD WEATHER	UNIVERSAL		5

GENERAL NOTES:
a. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR LUMINAIRES, LAMPS, AND BALLASTS.
b. CONTRACTOR TO VERIFY LUMINAIRE CATALOG NUMBER AND INSTALLATION REQUIREMENTS PRIOR TO ORDERING. FOR EACH LUMINAIRE UTILIZING DOUBLE-ENDED FLUORESCENT LAMPS, PROVIDE INTEGRAL LUMINAIRE DISCONNECT. SEE SPECIFICATIONS.
c. LUMINAIRE NUMBERS INDICATED WITH A LETTER SHALL BE PROVIDED WITH THE FOLLOWING BALLAST/DIMMER TYPE:
A - STEP DIMMING BALLAST/DIMMER
D - DIMMING BALLAST/DIMMER
E - EMERGENCY BATTERY PACK
d. LISTED ALTERNATE MANUFACTURERS ARE PERMITTED TO BID AN EQUIVALENT LUMINAIRE WHICH COMPLIES WITH THE PRODUCT REQUIREMENTS IDENTIFIED IN THIS SCHEDULE AND THE SPECIFICATIONS WITHOUT SUBMITTING A PRIOR APPROVAL REQUEST. ALTERNATE LUMINAIRES WILL BE REVIEWED DURING THE SUBMITTAL PROCESS AND THE MANUFACTURER WILL BE RESPONSIBLE TO PROVIDE A LUMINAIRE WHICH MEETS THE PRODUCT REQUIREMENTS. WHERE AN ALTERNATE MANUFACTURER IS NOT LISTED, A PRIOR APPROVAL REQUEST MUST BE SUBMITTED IN ACCORDANCE WITH THE SPECIFICATIONS IN ORDER TO BID THAT MANUFACTURER/PRODUCT.
e. QUANTITY OF LAMPS SPECIFIED IN THE LAMP DATA COLUMN IDENTIFIES THE TOTAL QUANTITY OF LAMPS WITHIN THE LUMINAIRE UNLESS NOTED OTHERWISE IN THE REMARKS COLUMN.
f. COORDINATE MOUNTING HEIGHT OF WALL MOUNTED FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.

REMARKS
1 MOUNT FIXTURE AT EXIT APP.
2 FIXTURE TO BE CONTROLLED VIA INTEGRAL ON/OFF ROCKER SWITCH.
3 MOUNT FIXTURE AT 16" AFF.
4 PROVIDE FIXTURE WITH DESIGNER TRIM ACCESSORY OPTION. ARCHITECT TO SELECT FINISH.
5 PROVIDE MOUNTING, NUMBER OF FACES, AND DIRECTIONAL ARROWS PER PLAN.
6 SURFACE MOUNT TO CEILING (WHERE POSSIBLE, WHERE DUCTWORK AND PIPING ARE PRESENT. PROVIDE CHAIN HANGERS TO MOUNT FIXTURES BELOW DUCTWORK AND PIPING OR WALL MOUNT ABOVE DOOR IN FURNACE ENCLOSURES. LIGHT FIXTURES WITHIN THE SAME ROOM OR SPACE SHALL BE MOUNTED ALIKE.

LIGHTING CONTROL SCHEDULE

MARK	OCCUPANCY SENSOR: OCCUPANCY SENSOR TYPE	OCCUPANCY SENSOR: MANUAL ON	OCCUPANCY SENSOR: PARTIAL AUTO ON	OCCUPANCY SENSOR: AUTO ON	OCCUPANT DETECTION TIMEOUT (30 M MAX)	WALL CONTROL: ON/OFF	WALL CONTROL: DIMMER	DAYLIGHT SENSOR CONTROL	EXAMPLE SPACE TYPE	REMARKS
A	CEILING		X		15		X		OFFICE	
B	-	X			-	X			MECHANICAL, ELECTRICAL	
C	-	X			-	X			MAIN CORRIDOR	
D	CEILING		X		15		X		CONFERENCE ROOM	
E	WALL	X			10	X			STORAGE	
F	CEILING	X			15	X			CHAPEL	
G	WALL			X	15	X			PRIVATE RESTROOM	
H	CEILING			X	15				PUBLIC RESTROOM	
I	CEILING	X			30	X	X	X	DINING	1,4
J	CEILING			X	15	X			LAUNDRY	
K	-	X			-	X			KITCHEN	
L	-	X			-	X			LOBBY	
M	-	X			-	X			WHIRLPOOL	
N	CEILING		X		15		X	X	BREAK ROOM	
O	CEILING			X	30	X	X	X	SITTING CAFE	1,3
P	CEILING			X	30		X	X	FIREPLACE SITTING	3
Q	CEILING			X	10				MAILROMES	
R	CEILING		X		15		X		RECEIVING	
S	CEILING	X			20		X		SALOY	
T	-	X			-	X	X		MC DINING/KITCHEN	1
U	CEILING			X	30				VESTIBULE	
V	CEILING	X			20		X	X	MAINTENANCE	
W	CEILING	X			20		X	X	COMMUNITY	
X	CEILING	X			20		X		WELLNESS	
Y	CEILING			X	10	X			GARAGE	5

GENERAL NOTES:
a. LIGHTING CONTROL SYSTEM SHALL BE PROVIDED BY WATTSTOPPER (DIGITAL LIGHTING MANAGEMENT SERIES) OR EQUAL BY LUTRON AND HUBBELL. PROVIDE ALL REQUIRED ACCESSORIES, MODULES, POWER SUPPLIES, ETC. FOR A COMPLETE AND OPERATING SYSTEM. COORDINATE ALL PROGRAMMING, ENGRAVING, ETC. WITH OWNER PRIOR TO ORDERING.
b. WHERE DIMMER IS INDICATED FOR WALL CONTROL, PROVIDE ONE FOUR-BUTTON PUSHBUTTON SWITCH (UNLESS NOTED OTHERWISE) WITH ON/OFF, DIMMING CONTROL FOR EACH LIGHTING ZONE AS SHOWN ON THE DRAWINGS. WHERE ONLY ON/OFF IS INDICATED FOR WALL CONTROL, PROVIDE A TWO-BUTTON STATION. SEE LIGHTING PUSHBUTTON STATION DETAIL THIS SHEET. EACH SPACE SHALL HAVE MINIMUM ONE ZONE OF CONTROL AND ADDITIONAL ZONES OF CONTROL ADDED AS SHOWN ON THE DRAWINGS. SEE LUMINAIRE SCHEDULE FOR DIMMING PROTOCOL AND PROVIDE COMPATIBLE DIMMER.
c. SWITCH/WALL PLATE COLOR SHALL MATCH COLOR OF WIRING DEVICES AS SELECTED BY ARCHITECT.
d. ROOMS/AREAS WITH PARTIAL DAYLIGHT DETECTION SHALL HAVE LIGHTS TURN ON TO 50% OUTPUT UPON OCCUPANCY DETECTION.
e. ROOMS/AREAS WITH DAYLIGHT SENSOR CONTROL SHALL HAVE CONTINUOUS DIMMING OF LUMINAIRES LOCATED INSIDE DAYLIGHTING ZONES AS INDICATED ON PLANS, UNLESS NOTED OTHERWISE. LUMINAIRES SHOWN IN DAYLIGHTING ZONES SHALL ALSO BE CONTROLLED BY ALL OTHER CONTROL FEATURES INDICATED FOR THE SPACE.

REMARKS
1 SEE SWITCH BANK DETAIL, SHEET E501 FOR SWITCH AND DIMMER TYPE AND QUANTITY.
2 UPON OCCUPANCY SENSOR TIMEOUT, DIM TYPE 31 LUMINAIRES TO 50% AND ALL OTHER LUMINAIRES SHALL BE TURNED OFF.
3 UPON OCCUPANCY SENSOR TIMEOUT, DIM LUMINAIRES TO 50%.
4 UPON OCCUPANCY SENSOR TIMEOUT OR "ALL OFF" BUTTON BEING PRESSED, DIM TYPE 32E LUMINAIRES TO 50% AND TURN OFF ALL OTHER LUMINAIRES.
5 PROVIDE COLD WEATHER OCCUPANCY SENSORS IN THIS AREA.



GENERAL NOTES
1. SWITCHES SHALL BE ENGRAVED AS SHOWN ABOVE.
2. WHERE MULTIPLE SWITCHES ARE USED IN A SPACE, PROVIDE LABELING FOR EACH SWITCH ON WALL PLATE.

LIGHTING PUSHBUTTON STATIONS
NO SCALE
1 / E601

CONTACTOR SCHEDULE

MARK	ELEC. HELD	MECH HELD: 2 WIRE CONT	MECH HELD: 3 WIRE CONT	AMPS	POLES	CIRCUITS CONTROLLED	CONTROLLED BY	NAMEPLATE	REMARKS
C1		X		30	6	SEE PLANS	PHOTOCELL/ TIMESWITCH	EXTERIOR LIGHTING	1,3
C2		X		40	4	SEE PLANS	KEYED SWITCH/ TIMESWITCH	SERVING KITCHEN EQUIPMENT	2
C3		X		30	12	SEE PLANS	KEYED SWITCH/ TIMESWITCH	CAFE KITCHEN EQUIPMENT	2
C4		X		30	4	SEE PLANS	PHOTOCELL/ TIMESWITCH	BOLLARDS/EXTERIOR LIGHTING	1,3
C5		X		30	4	SEE PLANS	PHOTOCELL	FLAGPOLE/SIGN LIGHTING	1,3

GENERAL NOTES
a. COORDINATE COIL VOLTAGE WITH APPLICATION. PROVIDE CIRCUIT AS REQUIRED TO POWER CONTROLS UNLESS OTHERWISE NOTED.

REMARKS
1 REFER TO DETAIL 4/E503.
2 REFER TO DETAIL 5/E503.
3 PROVIDE HOA SWITCH AND PUSH TO TEST LED PILOT LIGHT.

FLOOR BOX SCHEDULE

MARK	MANUFACTURER	BOX MODEL NO.	DUPLEX RECEPTACLE	DATA FACEPLATE	REMARKS
A	WALKER	RFB-4OG SERIES	2	ROUGH-IN	1
B	WALKER	RFB3OG	2	-	

GENERAL NOTES
a. VERIFY CATALOG NUMBER AND INSTALLATION REQUIREMENTS PRIOR TO ORDERING.
b. PROVIDE ACCESSORIES AS REQUIRED FOR DEVICE INSTALLATION. PROVIDE BLANK PLATES AS REQUIRED FOR UNUSED BOX COMPARTMENTS AND ACCESSORIES.
c. PROVIDE POUR PAN FOR CONCRETE INSTALLATION.
d. PROVIDE FLANGED COVER ASSEMBLY AS REQUIRED FOR RESPECTIVE FLOOR TYPE (CARPET, TILE, ETC.). COORDINATE COLOR/FINISH WITH ARCHITECT.

REMARKS
1 PROVIDE (2) 1"EMPTY CONDUITS FROM EACH DATA COMPARTMENT TO ACCESSIBLE CEILING SPACE ON THE RESPECTIVE FLOOR. TERMINATE WITH INSULATING BUSHING AND PROVIDE PULL STRING.

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The Heritage at Fox Run - Council Bluffs
New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

#	Revisions	
4	Issued For Const. / AS #1	02/22/19

Project #: 161001

Issued For Construction
February 22, 2019

ELECTRICAL SCHEDULES
E601

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DISTRIBUTION PANEL DPL1A

208/120V 3 PHASE 4 WIRE W/ GND BAR
1200 AMP MLO
10000 AMPS AVAIL FAULT
BREAKER DISTRIBUTION
SOURCE MSB

CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
1	400/3		72919	PANEL L1A1
2	400/3		76999	PANEL L1A2
3	400/3		90385	PANEL L2A1
4	400/3		97990	PANEL L2A2
5	225/3		69995	PANEL L3A1
6	225/3		69059	PANEL L3A2
7	225/3		69031	PANEL L3A3
8	225/3		69367	PANEL L1A3
9	60/3		16720	RTU-1
10	40/3		9720	RTU-2
11	225/3			SPARE
12	100/3			SPARE

DISTRIBUTION PANEL DPL1C

208/120V 3 PHASE 4 WIRE W/ GND BAR
1000 AMP MLO
32000 AMPS AVAIL FAULT
BREAKER DISTRIBUTION
SOURCE MSB

CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
1	200/3		42232	PANEL L1C1
2	150/3		16770	PANEL L1C2
3	100/3		9669	PANEL L1C3
4	400/3		102250	PANEL L1CM
5	125/3		36360	RTU-3
6	60/3		21240	RTU-4
7	100/3		25080	RTU-5
8	100/3			SPACE
9	100/3			SPARE

SWITCHBOARD MSB

208/120V 3 PHASE 4 WIRE W/ GND BAR
3000 AMP MCB INTEGRAL SPD
43000 AMPS AVAIL FAULT
BREAKER DISTRIBUTION

CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
1	150/3		29918	PANEL L1B1
2	400/3		71241	PANEL L1B2
3	225/3		48204	PANEL LM
4	150/3		30408	PANEL K1
5	225/3		33831	PANEL K2
6	175/3	1	28270	ELEVATOR
7	1200/3		382200	PANEL DPL1A
8	1000/3		251076	PANEL DPL1C
9	400/3		70972	PANEL L2B1
10	400/3		71791	PANEL L2B2
11	225/3		41884	PANEL L2B3
12	225/3		53909	PANEL L1B3
13	225/3		69952	PANEL L2BA
14	100/3		15424	PANEL LGA
15	100/3		15424	PANEL LGB
16	225/3			SPARE
17	100/3			SPARE
18	225/3			SPACE
19	225/3			SPACE

REMARKS
1 PROVIDE AUXILIARY CONTACT ON CIRCUIT BREAKER WITH CONNECTION TO ELEVATOR CONTROLLER TO INDICATE WHEN THE CIRCUIT BREAKER HAS BEEN MANUALLY TURNED OFF. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR INSPECTOR.

LOAD CENTER ELEV

208/120V 1 PHASE 3 WIRE W/ GND BAR — SURFACE MOUNTED
40 AMP MLO
1000 AMPS AVAIL FAULT
12 POLES ONE SECTION — SOURCE LM

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
MACHINE ROOM LIGHTS	42		20/1	1	A	2	20/1		156	PIT LIGHTING
DAMPER	500		20/1	3	B	4	20/1		1000	CAR CIRCUIT
SUMP PUMP PIT	900		20/1	5	A	6	20/1		180	PIT RECEPT
SPARE			20/1	7	B	8	20/1		180	ELEV EQUIP RECEPT
SPARE			20/1	9	A	10	20/1			SPARE
SPARE			20/1	11	B	12	20/1			SPARE

LOAD CENTER ILS

208/120V 1 PHASE 3 WIRE W/ GND BAR — FLUSH MOUNTED
100 AMP MLO
10000 AMPS AVAIL FAULT
24 POLES ONE SECTION

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
LIGHTING AND EXHAUST FAN			20/1	1	A	2	20/1			RESTROOM RECEPT
WASHER		GFCI	20/1	3	B	4	20/1			BEDROOM RECEPT
DRYER			30/2	5	A	6	20/1			LIVING ROOM RECEPT
-			-	7	B	8	20/1	GFCI		REFRIGERATOR
RANGE			50/2	9	A	10	20/1			MICROWAVE
-			-	11	B	12	20/1			GARBAGE DISPOSAL
DISHWASHER		GFCI	20/1	13	A	14	X/2			VTACX
RANGE HOOD			20/1	15	B	16	-			-
KITCHEN RECEPTS			20/1	17	A	18	20/1			LIVING ROOM RECEPT
SPARE			20/1	19	B	20	20/1			SPARE
SPARE			20/1	21	A	22	20/1			SPARE
SPARE			20/1	23	B	24	20/1			SPARE

LOAD CENTER IL1

208/120V 1 PHASE 3 WIRE W/ GND BAR — FLUSH MOUNTED
100 AMP MLO
10000 AMPS AVAIL FAULT
24 POLES ONE SECTION

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
LIGHTING AND EXHAUST FAN			20/1	1	A	2	20/1			RESTROOM RECEPT
WASHER		GFCI	20/1	3	B	4	20/1			BEDROOM RECEPT
DRYER			30/2	5	A	6	20/1			LIVING ROOM RECEPT
-			-	7	B	8	20/1	GFCI		REFRIGERATOR
RANGE			50/2	9	A	10	20/1			MICROWAVE
-			-	11	B	12	20/1			GARBAGE DISPOSAL
DISHWASHER		GFCI	20/1	13	A	14	30/2			PWA2X
RANGE HOOD			20/1	15	B	16	-			-
KITCHEN RECEPTS			20/1	17	A	18	20/1			KITCHEN RECEPTS
SPARE			20/1	19	B	20	20/1			SPARE
SPARE			20/1	21	A	22	20/1			SPARE
SPARE			20/1	23	B	24	20/1			SPARE

LOAD CENTER IL2A

208/120V 1 PHASE 3 WIRE W/ GND BAR — FLUSH MOUNTED
100 AMP MLO
10000 AMPS AVAIL FAULT
30 POLES ONE SECTION

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
LIGHTING AND EXHAUST FAN			20/1	1	A	2	20/1			RESTROOM RECEPT
WASHER		GFCI	20/1	3	B	4	20/1			BEDROOM RECEPT
DRYER			30/2	5	A	6	20/1			BEDROOM RECEPT
-			-	7	B	8	20/1			LIVING ROOM RECEPT
RANGE			50/2	9	A	10	20/1	GFCI		REFRIGERATOR
-			-	11	B	12	20/1			MICROWAVE
DISHWASHER		GFCI	20/1	13	A	14	20/1			GARBAGE DISPOSAL
RANGE HOOD			20/1	15	B	16	30/2			PVAC
KITCHEN RECEPTS			20/1	17	A	18	-			-
KITCHEN RECEPTS			20/1	19	B	20	20/1			SPARE
SPARE			20/1	21	A	22	20/1			SPARE
SPARE			20/1	23	B	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	A	30	20/1			SPARE

LOAD CENTER IL2B

208/120V 1 PHASE 3 WIRE W/ GND BAR — FLUSH MOUNTED
100 AMP MLO
10000 AMPS AVAIL FAULT
30 POLES ONE SECTION

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
LIGHTING AND EXHAUST FAN			20/1	1	A	2	20/1	180		RESTROOM RECEPT
WASHER		GFCI	20/1	3	B	4	20/1			RESTROOM RECEPT
DRYER			30/2	5	A	6	20/1			BEDROOM RECEPT
-			-	7	B	8	20/1			BEDROOM RECEPT
RANGE			50/2	9	A	10	20/1			LIVING ROOM RECEPT
-			-	11	B	12	20/1	GFCI		REFRIGERATOR
DISHWASHER		GFCI	20/1	13	A	14	20/1			MICROWAVE
RANGE HOOD			20/1	15	B	16	20/1			GARBAGE DISPOSAL
KITCHEN RECEPTS			20/1	17	A	18	30/2			PVAC
KITCHEN RECEPTS			20/1	19	B	20	-			-
SPARE			20/1	21	A	22	30/2			PVAC
SPARE			20/1	23	B	24	-			-
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	A	30	20/1			SPARE

PANEL K1

208/120V 3 PHASE 4 WIRE W/ GND BAR — FLUSH MOUNTED
150 AMP MLO
8000 AMPS AVAIL FAULT
42 POLES ONE SECTION — SOURCE MSB

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
BUS RECEPTS	540		20/1	1	A	2	20/1	GFCI	336	REFRIGERATOR REACH-IN
BUS RECEPTS	540		20/1	3	B	4	20/1			SPARE
DISPENSER, JUICER	950	GFCI	20/1	5	C	6	20/1	GFCI	2400	LIQUID COFFEE DISPENSER
ICE MAKER, DISPENSER	1080	GFCI	20/1	7	A	8	20/1	GFCI	300	SLICER, FOOD
WAREWASHER	6956		30/3	9	B	10	20/3		2376	GARBAGE DISPOSAL
-			-	11	C	12	-			-
-			-	13	A	14	-			-
WAREWASHER BOOSTER	7344		30/3	15	B	16	20/1	GFCI	1620	ICE MAKER WITHOUT BIN
-			-	17	C	18	20/3		2668	EXHAUST HOOD (EF-1)
-			-	19	A	20	-			-
MAU CONDENSER 1	7764		30/3	21	B	22	-			-
-			-	23	C	24	20/1		1224	EXHAUST HOOD (EF-2)
-			-	25	A	26	20/1		540	KITCHEN RECEPTS
MAU CONDENSER 2	4032		20/3	27	B	28	20/1		1500	KITCHEN HOOD
-			-	29	C	30				
-			-	31	A	32				
TEA BREWER	1500	GFCI	20/1	33	B	34				
				35	C	36				
SPARE			20/1	37	A	38	20/1			SPARE
SPARE			20/1	39	B	40	20/1			SPARE
SPARE			20/1	41	C	42	20/1			SPARE

PANEL K2

208/120V 3 PHASE 4 WIRE W/ GND BAR — FLUSH MOUNTED
225 AMP MLO
14000 AMPS AVAIL FAULT
60 POLES ONE SECTION — SOURCE MSB

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
KITCHEN RECEPTS	360	GFCI	20/1	1	A	2	20/1		200	WALK-IN FREEZER LIGHTS
WALK-IN COOLER LIGHTS	200		20/1	3	B	4	20/3		4428	WALK-IN FREEZER COMPRESSOR
WALK-IN COOLER COMPRESSOR	4068		20/3	5	C	6	-			-
-			-	7	A	8	-			-
-			-	9	B	10	20/2		3008	WALK-IN FREEZER COIL
WALK-IN COOLER COIL	96		20/1	11	C	12	-			-
KITCHEN RECEPTS	540		20/1	13	A	14	20/3		2376	GARBAGE DISPOSAL
CUTTER/MIXER	660	GFCI	20/1	15	B	16	-			-
MIXER	720	GFCI	20/1	17	C	18	-			-
STEAMER CONVECTION ELECTRIC	9720	ST	40/3	19	A	20	20/1	ST	960	OVEN, CONVECTION GAS
-			-	21	B	22	-			SHUNT TRIP
-			-	23	C	24	20/1	GFCI		SPARE
SHUNT TRIP			-	25	A	26	20/1	GFCI	660	DISPENSER
DROP-IN HOT WELLS	10728		40/3	27	B	28	20/1	GFCI	1800	TOASTER
-			-	29	C	30	20/1	GFCI	240	REFRIGERATOR
-			-	31	A	32	20/1	GFCI	696	REFRIGERATOR
FREEZER	444		20/1	33	B	34	20/1	GFCI	1500	MICROWAVE
SHUNT TRIP			-	35	C	36	20/1		720	KITCHEN OFFICE RECEPTS
HEAT LAMP	3750		30/2	37	A	38	20/1	ST	972	REFRIGERATOR
-			-	39	B	40	-			SHUNT TRIP
				41	C	42	20/1	ST	2040	OVEN SLOW COOK
				43	A	44	-			SHUNT TRIP
				45	B	46				
				47	C	48				
				49	A	50				
				51	B	52				
				53	C	54				
SPARE			20/1	55	A	56	20/1	GFCI		SPARE
SPARE			20/1	57	B	58	20/1	GFCI		SPARE
SPARE			20/1	59	C	60	20/1	GFCI		SPARE

PANEL L1A1

208/120V 3 PHASE 4 WIRE W/ GND BAR — SURFACE MOUNTED
400 AMP MLO — INTEGRAL SPD
18000 AMPS AVAIL FAULT
60 POLES ONE SECTION — SOURCE DPL1A

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
FIRST FLOOR LIGHTING	420		20/1	1	A	2	20/1		720	CORRIDOR RECEPTS
STAIR 103 LIGHTING	462		20/1	3	B	4	20/1		540	CORRIDOR RECEPTS
NORTHEAST SITE LIGHTING	1068		20/2	5	C	6	20/1		360	CORRIDOR MEP RECEPTS
-			-	7	A	8	30/2		9000	EUH-3,1
FUR-1	5249		40/2	9	B	10	-			-
-			-	11	C	12	-			-
EF-2,1	135		20/1	13	A	14	30/2		9000	EUH-3,2
SUMP PUMP SP-1	1200		20/1	15	B	16	-			-
FLAG POLE LIGHTING	150		20/1	17	C	18	-			-
EXTERIOR LIGHTING	912		20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30	20/1			SPARE
SPARE			20/1	31	A	32	20/1			SPARE
SPARE			20/1	33	B	34	20/1			SPARE
SPARE			20/1	35	C	36	20/1			SPARE
SPARE			20/1	37	A	38	20/1			SPARE
				39	B	40				
				41	C	42				
				43	A	44				
				45	B	46				
				47	C	48				
				49	A	50	100/2		19844	LOAD CENTER IL1
				51	B	52	-			
				53	C	54	100/2		19831	LOAD CENTER IL2S
				55	A	56	-			
LOAD CENTER IL1	19844		100/2	57	B	58	100/2		19831	LOAD CENTER IL2S
-			-	59	C	60	-			-

PANEL KEY		
DPL1A	ELEV	K1
DPL1C	ILS	K2
MSB	IL1	L1A1
	IL2A	
	IL2B	

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The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

#	Revisions	
4	Issued For Const. / AS #1	02/22/19

Project #: 161001

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February 22, 2019

ELECTRICAL SCHEDULES
E602

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PANEL L1A2

208/120V 3 PHASE 4 WIRE W/ GND BAR — SURFACE MOUNTED
400 AMP MLO — INTEGRAL SPD
15000 AMPS AVAIL FAULT
60 POLES ONE SECTION — SOURCE DPL1A

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
FIRST FLOOR LIGHTING	886		20/1	1	A	2	20/1		540	CORRIDOR ELEC RECEPTS
STAIR 120 LIGHTING	378		20/1	3	B	4	20/1		540	CORRIDOR RECEPTS
SITTING LOBBY LIGHTING	1260		20/1	5	C	6	20/1		540	CORRIDOR MEP RECEPTS
DIRECTOR OFFICE RECEPTS	900		20/1	7	A	8	20/1		360	MED OFFICE RECEPTS
OFFICE RECEPTS	900		20/1	9	B	10	20/1		540	MED OFFICE RECEPTS
CONF RECEPTS	360		20/1	11	C	12	20/1	GFCI	1500	MED OFFICE REFRIGERATOR
CONF RECEPTS	360		20/1	13	A	14	20/1		180	RECEPTION RECEPT
CONF RECEPTS	360		20/1	15	B	16	20/1		540	RECEPTION RECEPTS
CONF REFRIGERATOR	1500	GFCI	20/1	17	C	18	20/1		500	COURTYARD DOOR OPENER
EXTERIOR RECEPT	180		20/1	19	A	20	20/1		900	SITTING AND LOBBY FLOORBOX
SITTING RECEPTS	540		20/1	21	B	22	30/2		4000	EUH 1,3
EUH-3,3	5000		60/3	23	C	24	-			-
-			-	25	A	26	60/3		5000	EUH-3,4
-			-	27	B	28	-			-
SPARE			20/1	29	C	30	-			-
SPARE			20/1	31	A	32	20/1			SPARE
SPARE			20/1	33	B	34	20/1			SPARE
SPARE			20/1	35	C	36	20/1			SPARE
SPARE			20/1	37	A	38	20/1			SPARE
SPARE			20/1	39	B	40	20/1			SPARE
SPARE			20/1	41	C	42	20/1			SPARE
				43	A	44				
				45	B	46				
				47	C	48				
				49	A	50	100/2		19944	LOAD CENTER IL1
				51	B	52	-			-
				53	C	54	100/2		19944	LOAD CENTER IL1
				55	A	56	-			-
LOAD CENTER IL2A	20265		100/2	57	B	58	100/2		19944	LOAD CENTER IL1
-			-	59	C	60	-			-

PANEL L1A3

208/120V 3 PHASE 4 WIRE W/ GND BAR — SURFACE MOUNTED
225 AMP MLO — INTEGRAL SPD
1000 AMPS AVAIL FAULT
60 POLES ONE SECTION — SOURCE DPL1A

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
EUH 1,3	4000		30/2	1	A	2	20/1			SPARE
-			-	3	B	4	20/1			SPARE
SPARE			20/1	5	C	6	20/1			SPARE
SPARE			20/1	7	A	8	20/1			SPARE
SPARE			20/1	9	B	10	20/1			SPARE
SPARE			20/1	11	C	12	20/1			SPARE
SPARE			20/1	13	A	14	20/1			SPARE
SPARE			20/1	15	B	16	20/1			SPARE
SPARE			20/1	17	C	18	20/1			SPARE
				19	A	20	20/1			SPARE
				21	B	22	20/1			SPARE
				23	C	24	20/1			SPARE
				25	A	26	20/1			SPARE
				27	B	28				
				29	C	30				
				31	A	32				
				33	B	34				
				35	C	36				
				37	A	38				
				39	B	40				
				41	C	42				
				43	A	44				
				45	B	46				
				47	C	48				
LOAD CENTER IL2B	20389		100/2	49	A	50				
-			-	51	B	52				
LOAD CENTER IL1	19944		100/2	53	C	54				
-			-	55	A	56				
LOAD CENTER IL1	19944		100/2	57	B	58	100/2		19944	LOAD CENTER IL1
-			-	59	C	60	-			-

PANEL L1B1

208/120V 3 PHASE 4 WIRE W/ GND BAR — SURFACE MOUNTED
150 AMP MLO — INTEGRAL SPD
7000 AMPS AVAIL FAULT
60 POLES ONE SECTION — SOURCE MSB

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
FIRST FLOOR LIGHTING	774		20/1	1	A	2	20/1	GFCI	1200	LAUNDRY WASHER
FIRST FLOOR LIGHTING	1507		20/1	3	B	4	20/1	GFCI	1200	LAUNDRY WASHER
DINING ROOM LIGHTING	1410		20/1	5	C	6	30/2		5000	LAUNDRY DRYER
DINING ROOM LIGHTING	932		20/1	7	A	8	-			-
STAIR 160 LIGHTING	299		20/1	9	B	10	30/2		5000	LAUNDRY DRYER
DINING RECEPTS	720		20/1	11	C	12	-			-
DINING RECEPTS	720		20/1	13	A	14	20/1		360	LAUNDRY RECEPTS
EXTERIOR RECEPT	180		20/1	15	B	16	20/1		360	RECEIVING RECEPTS
CORRIDOR RECEPTS	540		20/1	17	C	18	20/1		720	RECEIVING GARAGE DOOR
EUH-1	5428		40/2	19	A	20	20/1		958	FIRST FLOOR LIGHTING
-			-	21	B	22	20/1			SPARE
EUH-2,1	3000		30/3	23	C	24	20/1			SPARE
-			-	25	A	26	20/1			SPARE
-			-	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30	20/1			SPARE
SPARE			20/1	31	A	32	20/1			SPARE
SPARE			20/1	33	B	34	20/1			SPARE
SPARE			20/1	35	C	36	20/1			SPARE
SPARE			20/1	37	A	38	20/1			SPARE
SPARE			20/1	39	B	40	20/1			SPARE
SPARE			20/1	41	C	42	20/1			SPARE
SPARE			20/1	43	A	44	20/1			SPARE
SPARE			20/1	45	B	46	20/1			SPARE
SPARE			20/1	47	C	48	20/1			SPARE
SPARE			20/1	49	A	50	20/1			SPARE
SPARE			20/1	51	B	52	20/1			SPARE
SPARE			20/1	53	C	54	20/1			SPARE
SPARE			20/1	55	A	56	20/1			SPARE
				57	B	58				
				59	C	60				

PANEL L1B2

208/120V 3 PHASE 4 WIRE W/ GND BAR — SURFACE MOUNTED
400 AMP MLO — INTEGRAL SPD
13000 AMPS AVAIL FAULT
60 POLES ONE SECTION — SOURCE MSB

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
FIRST FLOOR LIGHTING	858		20/1	1	A	2	20/1			SPARE
FIRST FLOOR LIGHTING	478		20/1	3	B	4	20/1		360	ELEC. CORRIDOR RECEPTS
SPARE			20/1	5	C	6	20/1		720	CORRIDOR RECEPTS
BREAKROOM RECEPTS	720		20/1	7	A	8	20/1		360	BREAKROOM RECEPTS
BREAKROOM RECEPTS	540		20/1	9	B	10	20/1	GFCI	1500	BREAKROOM REFRIGERATOR
SPARE			20/1	11	C	12	20/1			SPARE
SPARE			20/1	13	A	14	20/1			SPARE
SPARE			20/1	15	B	16	20/1			SPARE
SPARE			20/1	17	C	18	20/1			SPARE
SPARE			20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
				27	B	28				
				29	C	30				
				31	A	32				
				33	B	34				
				35	C	36				
				37	A	38				
				39	B	40				
				41	C	42				
				43	A	44				
				45	B	46				
				47	C	48				
LOAD CENTER IL1	19944		100/2	49	A	50	100/2		20389	LOAD CENTER IL2B
-			-	51	B	52	-			-
LOAD CENTER IL2B	20389		100/2	53	C	54	100/2		19944	LOAD CENTER IL1
-			-	55	A	56	-			-
LOAD CENTER IL2A	20265		100/2	57	B	58	100/2		19944	LOAD CENTER IL1
-			-	59	C	60	-			-

PANEL L1B3

208/120V 3 PHASE 4 WIRE W/ GND BAR — SURFACE MOUNTED
225 AMP MLO — INTEGRAL SPD
7000 AMPS AVAIL FAULT
60 POLES ONE SECTION — SOURCE MSB

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
FIRST FLOOR LIGHTING	835		20/1	1	A	2	20/1		720	RESTROOM CORRIDOR RECEPTS
REFRIGERATED SERVICE CASE	1357	GFCI	20/1	3	B	4	20/1		540	CORRIDOR RECEPTS
SALAD PREP REFRIGERATOR	886	GFCI	20/1	5	C	6	20/1		540	CORRIDOR RECEPTS
CONVECTION OVEN, ELECTRIC	4992	GFCI	30/2	7	A	8	20/1	GFCI	900	FOOD PASS WARMER
-			-	9	B	10	20/1	GFCI	1800	SOFT SERVE MACHINE
REFRIGERATED MERCHANDISER	618	GFCI	20/1	11	C	12	20/1		1500	FIREPLACE
EXTERIOR RECEPT	180		20/1	13	A	14	20/1		1000	VESTIBULE DOOR OPERATOR
EXTERIOR RECEPT	180		20/1	15	B	16	20/1		360	SITTING RECEPTS
JANITOR RECEPT	180		20/1	17	C	18	20/1		360	FIREPLACE SITTING RECEPTS
CUP/LOGO MACHINE	1500	GFCI	20/1	19	A	20	20/1	GFCI	900	JUICE MACHINE
CAFE RECEPTS	360		20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30	20/1			SPARE
SPARE			20/1	31	A	32	20/1			SPARE
SPARE			20/1	33	B	34	20/1			SPARE
SPARE			20/1	35	C	36				
				37	A	38				
				39	B	40				
				41	C	42				
				43	A	44				
				45	B	46				
				47	C	48				
				49	A	50	100/2		19831	LOAD CENTER IL5
				51	B	52				
				53	C	54	100/2		19944	LOAD CENTER IL1
				55	A	56	-			-
				57	B	58	100/2		19944	LOAD CENTER IL1
-				59	C	60	-			-

PANEL L1C1

208/120V 3 PHASE 4 WIRE W/ GND BAR — SURFACE MOUNTED
200 AMP MLO — INTEGRAL SPD
22000 AMPS AVAIL FAULT — SERIES RATING
60 POLES ONE SECTION — SOURCE DPL1C

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
RESIDENT LIGHTING	880		20/1	1	A	2	20/1		360	STAIR RECEPTS
RESIDENT LIGHTING	745		20/1	3	B	4	20/1		540	HALL RECEPTS
RESIDENT LIGHTING	880		20/1	5	C	6	20/1		540	CORRIDOR RECEPTS
RESTROOM RECEPT	180		20/1	7	A	8	20/1		540	CHAPEL TV RECEPTS
RESTROOM RECEPT	180		20/1	9	B	10	20/1		540	CHAPEL TV RECEPTS
PROJECTOR RECEPT	180		20/1	11	C	12	20/1		360	CHAPEL RECEPTS
PROJECTOR RECEPT	180		20/1	13	A	14	20/1		720	CORRIDOR RECEPTS
DINING TV RECEPT	180		20/1	15	B	16	20/1		540	CORRIDOR RECEPTS
DINING TV RECEPT	180		20/1	17	C	18	20/1		900	OFFICE RECEPTS
LAUNDRY DRYER	5000		30/2	19	A	20	20/1		900	OFFICE RECEPTS
-			-	21	B	22	20/1		540	CORRIDOR RECEPTS
LAUNDRY DRYER	5000		30/2	23	C	24	20/1		720	CORRIDOR RECEPTS
-			-	25	A	26	20/1		360	RESTROOM, ENTRY RECEPTS
LAUNDRY WASHER	1200	GFCI	20/1	27	B	28	20/1		360	WHIRLPOOL RECEPTS
LAUNDRY WASHER	1200	GFCI	20/1	29	C	30	20/1		1000	WHIRLPOOL TUB
LAUNDRY RECEPTS	360		20/1	31	A	32	20/1	GFCI	1080	ICE MAKER/DISPENSER
MICROWAVE OVEN	1000	GFCI	20/1	33	B	34	20/1	GFCI	360	DISPENSER, JUICE
KITCHEN RECEPTS	540		20/1	35	C	36	20/1	GFCI	2400	DISPENSER, LIQUID COFFEE
WAFFLE BAKER	900	GFCI	20/1	37	A	38	20/1	GFCI	276	UC FREEZER
TOASTER	2240	GFCI	20/2	39	B	40	20/1	GFCI	240	UC REFRIGERATOR
-			-	41	C	42	40/3		14338	DROP IN HOT WELLS
MEP RECEPTS	360		20/1	43	A	44	-			-
MEP RECEPTS	540		20/1	45	B	46	-			-
EXTERIOR RECEPT	360		20/1	47	C	48	20/1	GFCI	500	REFRIGERATOR
DINING RECEPTS	720		20/1	49	A	50	50/2	GFCI	6344	DISHWASHER
INTERCOM RECEPT	500		20/1	51	B	52	-			-
				53	C	54	20/1	LOCKABLE	1500	WHIRLPOOL RCP-1123
SPARE			20/1	55	A	56	20/1			SPARE
SPARE			20/1	57	B	58	20/1			SPARE
SPARE			20/1	59	C	60	20/1			SPARE

PANEL KEY		
L1A2	L1B2	L1C1
L1A3	L1B3	
L1B1		

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The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

#	Revisions	
4	Issued For Const. / AS #1	02/22/19

Project #: 161001

Issued For Construction
February 22, 2019

ELECTRICAL SCHEDULES

E603

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PANEL L1C2

208/120V	3 PHASE 4 WIRE W/ GND BAR	SURFACE MOUNTED	
150 AMP	MLO	INTEGRAL SPD	
22000	AMPS AVAIL FAULT		
60 POLES	ONE SECTION	SOURCE	DPL1C

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
MC1 - 001 RESTROOM	180		20/1	1	A	2	20/1		180	MC1 - 002 RESTROOM
MC1 - 003 LIVING	1080		20/1	3	B	4	20/1		1080	MC1 - 004 LMNG
MC1 - 005 RESTROOM	180		20/1	5	C	6	20/1		180	MC1 - 006 RESTROOM
MC1 - 007 LIVING	1080		20/1	7	A	8	20/1		1080	MC1 - 008 LMNG
MC2 - 004 RESTROOM	180		20/1	9	B	10	20/1		180	MC3 - 007 RESTROOM
MC2 - 006 LIVING	1200		20/1	11	C	12	20/1		1200	MC3 - 007 LMNG
MC2 - 008 LIVING	1080		20/1	13	A	14	20/1		180	MC3 - 008 RESTROOM
MC2 - 009 RESTROOM	180		20/1	15	B	16	20/1		1200	MC3 - 008 LMNG
MC2 - 010 LIVING	1200		20/1	17	C	18	20/1		180	MC1A - 011 RESTROOM
MC2 - 012 LIVING	1080		20/1	19	A	20	20/1		1080	MC1A - 011 LIVING
MC2A - 012 RESTROOM	180		20/1	21	B	22	20/1		180	MC3 - 013 RESTROOM
MC2A - 012 LIVING	540		20/1	23	C	24	20/1		1200	MC2 - 013 LMNG
MC2A - 012 LIVING	900		20/1	25	A	26	20/1		1080	MC2 - 013 LMNG
MC3 - 014 RESTROOM	180		20/1	27	B	28	20/1		180	MC3 - 015 RESTROOM
MC3 - 014 LIVING	1200		20/1	29	C	30	20/1		1200	MC3 - 015 LMNG
MC2 - 016 RESTROOM	180		20/1	31	A	32	20/1		180	MC1 - 017 RESTROOM
MC2 - 016 LIVING	1200		20/1	33	B	34	20/1		1080	MC1 - 017 LMNG
MC2 - 018 LIVING	1080		20/1	35	C	36	20/1		180	MC1 - 019 RESTROOM
MC1 - 019 RESTROOM	180		20/1	37	A	38	20/1		1080	MC1 - 019 LMNG
MC1 - 019 LIVING	1080		20/1	39	B	40	20/1			SPARE
SPARE			20/1	41	C	42	20/1			SPARE
SPARE			20/1	43	A	44	20/1			SPARE
SPARE			20/1	45	B	46	20/1			SPARE
SPARE			20/1	47	C	48	20/1			SPARE
SPARE			20/1	49	A	50	20/1			SPARE
SPARE			20/1	51	B	52	20/1			SPARE
SPARE			20/1	53	C	54				
SPARE			20/1	55	A	56	20/1			SPARE
SPARE			20/1	57	B	58	20/1			SPARE
SPARE			20/1	59	C	60	20/1			SPARE

PANEL L1C3

208/120V	3 PHASE 4 WIRE W/ GND BAR	SURFACE MOUNTED	
100 AMP	MLO	INTEGRAL SPD	
22000	AMPS AVAIL FAULT		
42 POLES	ONE SECTION	SOURCE	DPL1C

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
1ST LEVEL CORRIDOR LIGHTING	1334		20/1	1	A	2	20/1		1000	SALON HAIR DRYER
1ST LEVEL CORRIDOR LIGHTING	727		20/1	3	B	4	20/1		1000	SALON HAIR DRYER
1ST LEVEL DINING LIGHTING	677		20/1	5	C	6	20/1		360	SALON RECEPTS
1ST LEVEL CORRIDOR LIGHTING	1065		20/1	7	A	8	20/1		180	SALON WORKSTATION
CHAPEL AND KITCHEN LIGHTING	1380		20/1	9	B	10	20/1		180	SALON WORKSTATION
SPARE			20/1	11	C	12	20/1		180	SALON WORKSTATION
SPARE			20/1	13	A	14	20/1		180	SALON WORKSTATION
SPARE			20/1	15	B	16	20/1		180	SALON WORKSTATION
SPARE			20/1	17	C	18	20/1			SPARE
SPARE			20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30	20/1			SPARE
SPARE			20/1	31	A	32	20/1			SPARE
SPARE			20/1	33	B	34	20/1			SPARE
SPARE			20/1	35	C	36	20/1			SPARE
SPARE			20/1	37	A	38	20/1			SPARE
SPARE			20/1	39	B	40	20/1			SPARE
SPARE			20/1	41	C	42	20/1			SPARE

PANEL L1CM

208/120V	3 PHASE 4 WIRE W/ GND BAR	SURFACE MOUNTED	
400 AMP	MLO	INTEGRAL SPD	
22000	AMPS AVAIL FAULT		
84 POLES	TWO SECTION	SOURCE	DPL1C

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
MC1 - 001 RCP-1	750	LOCKABLE	20/1	1	A	2	30/1	LOCKABLE	750	MC1 - 002 RCP-1
MC1 - 001 PVAC	5000		30/2	3	B	4	30/2		5000	MC1 - 002 PVAC
-			-	5	C	6	-		-	-
MC1 - 003 RCP-1	750	LOCKABLE	20/1	7	A	8	30/1	LOCKABLE	750	MC1 - 004 RCP-1
MC1 - 003 PVAC	5000		30/2	9	B	10	30/2		5000	MC1 - 004 PVAC
-			-	11	C	12	-		-	-
MC2 - 005 RCP-1 (2)	1500	LOCKABLE	20/1	13	A	14	30/1	LOCKABLE	750	MC3 - 007 RCP-1
MC2 - 005 PVAC	5000		30/2	15	B	16	30/2		5000	MC3 - 007 PVAC
-			-	17	C	18	-		-	-
MC3 - 008 RCP-1	750	LOCKABLE	20/1	19	A	20	30/1	LOCKABLE	1500	MC2 - 009 RCP-1 (2)
MC3 - 008 PVAC	5000		30/2	21	B	22	30/2		5000	MC2 - 009 PVAC
-			-	23	C	24	-		-	-
MC1A - 011 RCP-1	750	LOCKABLE	20/1	25	A	26	30/1	LOCKABLE	1500	MC2A - 012 RCP-1 (2)
MC1A - 011 PVAC	5000		30/2	27	B	28	30/2		5000	MC2A - 012 PVAC
-			-	29	C	30	-		-	-
MC2 - 010 RCP-1 (2)	1500	LOCKABLE	20/1	31	A	32	30/1	LOCKABLE	750	MC3 - 014 RCP-1
MC2 - 010 PVAC	5000		30/2	33	B	34	30/2		5000	MC3 - 014 PVAC
-			-	35	C	36	-		-	-
MC3 - 015 RCP-1	750	LOCKABLE	20/1	37	A	38	30/1	LOCKABLE	1500	MC2 - 016 RCP-1 (2)
MC3 - 015 PVAC	5000		30/2	39	B	40	30/2		5000	MC2 - 016 PVAC
-			-	41	C	42	-		-	-
MC1 - 017 RCP-1	750	LOCKABLE	20/1	43	A	44	30/1	LOCKABLE	750	MC1 - 018 RCP-1
MC1 - 017 PVAC	5000		30/2	45	B	46	30/2		5000	MC1 - 018 PVAC
-			-	47	C	48	-		-	-
MC1 - 019 RCP-1	750	LOCKABLE	20/1	49	A	50	30/1	LOCKABLE	750	WHIRL RCP-1
MC1 - 019 PVAC	5000		30/2	51	B	52				
-			-	53	C	54				
				55	A	56				
				57	B	58				
				59	C	60				
				61	A	62				
				63	B	64				
				65	C	66				
				67	A	68				
				69	B	70				
				71	C	72				
				73	A	74				
SPARE			20/1	75	B	76	20/1			SPARE
SPARE			20/1	77	C	78	20/1			SPARE
SPARE			20/1	79	A	80	20/1			SPARE
SPARE			20/1	81	B	82	20/1			SPARE
SPARE			20/1	83	C	84	20/1			SPARE

PANEL L2A1

208/120V	3 PHASE 4 WIRE W/ GND BAR	SURFACE MOUNTED	
400 AMP	MLO	INTEGRAL SPD	
15000	AMPS AVAIL FAULT		
60 POLES	ONE SECTION	SOURCE	DPL1A

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
2ND FLOOR LIGHTING	436		20/1	1	A	2	20/1		720	CORRIDOR RECEPTS
SPARE			20/1	3	B	4	20/1		540	CORRIDOR RECEPTS
SPARE			20/1	5	C	6	20/1		360	CORRIDOR MEP RECEPTS
SPARE			20/1	7	A	8	20/1			SPARE
SPARE			20/1	9	B	10	20/1			SPARE
SPARE			20/1	11	C	12	20/1			SPARE
SPARE			20/1	13	A	14	20/1			SPARE
SPARE			20/1	15	B	16	20/1			SPARE
SPARE			20/1	17	C	18	20/1			SPARE
SPARE			20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30	20/1			SPARE
SPARE			20/1	31	A	32	20/1			SPARE
SPARE			20/1	33	B	34	20/1			SPARE
SPARE			20/1	35	C	36				
				37	A	38				
				39	B	40				
				41	C	42				
				43	A	44				
				45	B	46	100/2		19944	LOAD CENTER IL1
				47	C	48				-
LOAD CENTER ILS	19831		100/2	49	A	50	100/2		19831	LOAD CENTER ILS
-			-	51	B	52	-			-
LOAD CENTER IL1	19944		100/2	53	C	54	100/2		19944	LOAD CENTER IL1
-			-	55	A	56	-			-
LOAD CENTER IL2A	20389		100/2	57	B	58	100/2		20389	LOAD CENTER IL2A
-			-	59	C	60	-			-

PANEL L2A2

208/120V	3 PHASE 4 WIRE W/ GND BAR	SURFACE MOUNTED	
400 AMP	MLO	INTEGRAL SPD	
15000	AMPS AVAIL FAULT		
60 POLES	ONE SECTION	SOURCE	DPL1A

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
2ND FLOOR LIGHTING	788		20/1	1	A	2	20/1		540	CORRIDOR ELEC RECEPTS
RVA2	5439		40/2	3	B	4	20/1		720	CORRIDOR STOR RECEPTS
-			-	5	C	6	20/1		540	CORRIDOR MEP RECEPTS
SPARE			20/1	7	A	8	20/1		360	CORRIDOR RECEPTS
SPARE			20/1	9	B	10	20/1			SPARE
SPARE			20/1	11	C	12	20/1			SPARE
SPARE			20/1	13	A	14	20/1			SPARE
SPARE			20/1	15	B	16	20/1			SPARE
SPARE			20/1	17	C	18	20/1			SPARE
SPARE			20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30	20/1			SPARE
SPARE			20/1	31	A	32	20/1			SPARE
SPARE			20/1	33	B	34	20/1			SPARE
SPARE			20/1	35	C	36	20/1			SPARE
SPARE			20/1	37	A	38	20/1			SPARE
				39	B	40				
				41	C	42				
				43	A	44				
				45	B	46	100/2		19831	LOAD CENTER ILS
				47	C	48	-		-	-
LOAD CENTER ILS	19831		100/2	49	A	50	100/2		19944	LOAD CENTER IL1
-			-	51	B	52	-		-	-
LOAD CENTER IL1	19944		100/2	53	C	54	100/2		19944	LOAD CENTER IL1
-			-	55	A	56	-		-	-
LOAD CENTER IL2A	20389		100/2	57	B	58	100/2		20389	LOAD CENTER IL2A
-			-	59	C	60	-		-	-

PANEL L2B1

208/120V	3 PHASE 4 WIRE W/ GND BAR	SURFACE MOUNTED	
400 AMP	MLO	INTEGRAL SPD	
10000	AMPS AVAIL FAULT		
60 POLES	ONE SECTION	SOURCE	MSB

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
2ND FLOOR LIGHTING	479		20/1	1	A	2	20/1		540	MEP RECEPTS
2ND FLOOR LIGHTING	1591		20/1	3	B	4	20/1		540	RESTROOM COOR RECEPTS
2ND FLOOR LIGHTING	1003		20/1	5	C	6	20/1			SPARE
2ND FLOOR LIGHTING	735		20/1	7	A	8	20/1			SPARE
SPARE			20/1	9	B	10	20/1			SPARE
SPARE			20/1	11	C	12	20/1			SPARE
SPARE			20/1	13	A	14	20/1			SPARE
SPARE			20/1	15	B	16	20/1			SPARE
SPARE			20/1	17	C	18	20/1			SPARE
SPARE			20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30	20/1			SPARE
SPARE			20/1	31	A	32	20/1			SPARE
				33	B	34				
				35	C	36				
				37	A	38				
				39	B	40				
				41	C	42				
				43	A	44				
				45	B	46				
				47	C	48				
				49	A	50	100/2		19944	LOAD CENTER IL1
				51	B	52	-			-
LOAD CENTER ILS	19831		100/2	53	C	54	100/2		19944	LOAD CENTER IL1
-			-	55	A	56	-			-
LOAD CENTER IL2B	20389		100/2	57	B	58	100/2		20389	LOAD CENTER IL2A
-			-	59	C	60	-			-

PANEL KEY

L1C2	L1CM	L2A2
L1C3	L2A1	L2B1

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The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

#	Revisions	
4	Issued For Const. / AS #1	02/22/19

Project #: 161001

Issued For Construction
February 22, 2019

ELECTRICAL SCHEDULES

E604

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PANEL L2B2

208Y/120V 3 PHASE 4 WIRE W/GND BAR — SURFACE MOUNTED
400 AMP MLO — INTEGRAL SPD
14000 AMPS AVAIL FAULT
66 POLES ONE SECTION — SOURCE MSB

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
2ND FLOOR LIGHTING	1013		20/1	1	A	2	20/1		1080	CORRIDOR ELEC RECEPTS
2ND FLOOR LIGHTING	1163		20/1	3	B	4	20/1		720	CORRIDOR RECEPTS
ROOF RECEPTS	540		20/1	5	C	6	20/1		540	CORRIDOR RECEPTS
SPARE			20/1	7	A	8	20/1		720	WELLNESS RECEPTS
SPARE			20/1	9	B	10	20/1		720	WELLNESS RECEPTS
SPARE			20/1	11	C	12	20/1		360	WELLNESS RECEPTS
SPARE			20/1	13	A	14	20/1			SPARE
SPARE			20/1	15	B	16	20/1			SPARE
SPARE			20/1	17	C	18	20/1			SPARE
SPARE			20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30	20/1			SPARE
SPARE			20/1	31	A	32	20/1			SPARE
SPARE			20/1	33	B	34	20/1			SPARE
SPARE			20/1	35	C	36	20/1			SPARE
				37	A	38				
				39	B	40				
				41	C	42				
				43	A	44				
				45	B	46				
				47	C	48				
				49	A	50	100/2		19831	LOAD CENTER IL3
				51	B	52	-			-
LOAD CENTER IL2A	20205		100/2	53	C	54	100/2		19844	LOAD CENTER IL1
-			-	55	A	56	-			-
LOAD CENTER IL5	19831		100/2	57	B	58	100/2		19844	LOAD CENTER IL1
-			-	59	C	60	-			-

PANEL L2B4

208/120V 3 PHASE 4 WIRE W/GND BAR — SURFACE MOUNTED
225 AMP MLO — INTEGRAL SPD
7000 AMPS AVAIL FAULT
66 POLES ONE SECTION — SOURCE MSB

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
COMMUNITY RECEPTS	720		20/1	1	A	2	20/1		540	MAINT RECEPTS
COMMUNITY RECEPTS	540		20/1	3	B	4	20/1		540	MAINT RECEPTS
COMMUNITY RECEPTS	720		20/1	5	C	6	20/2		1000	MAINT RECEPTS
COMMUNITY RECEPTS	360		20/1	7	A	8	-		-	-
CU-4	3081		30/2	9	B	10	20/1		540	CORRIDOR RECEPTS
-			-	11	C	12	20/1		720	CORRIDOR RECEPTS
CEILING PROJECTOR	500		20/1	13	A	14	20/1		540	CORRIDOR RECEPTS
MOTORIZED SCREEN	200		20/1	15	B	16	20/1		180	ROOF RECEPT
COMMUNITY RECEPT	180		20/1	17	C	18	20/1			SPARE
SPARE			20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30				
				31	A	32				
				33	B	34				
				35	C	36				
				37	A	38				
				39	B	40				
				41	C	42				
				43	A	44				
				45	B	46				
				47	C	48				
LOAD CENTER IL5	19831		100/2	49	A	50				
-			-	51	B	52				
LOAD CENTER IL2B	20389		100/2	53	C	54				
-			-	55	A	56				
LOAD CENTER IL1	19844		100/2	57	B	58	100/2		20389	LOAD CENTER IL2B
-			-	59	C	60	-			-

PANEL L3A2

208Y/120V 3 PHASE 4 WIRE W/GND BAR — SURFACE MOUNTED
225 AMP MLO — INTEGRAL SPD
13000 AMPS AVAIL FAULT
66 POLES ONE SECTION — SOURCE DPL1A

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
3RD FLOOR LIGHTING	665		20/1	1	A	2	20/1		720	CORRIDOR ELEC RECEPTS
				3	B	4	20/1		720	CORRIDOR STOR RECEPTS
STAIR RECEPT	540		20/1	5	C	6	20/1		720	CORRIDOR MEP RECEPTS
ROOF RECEPTS	360		20/1	7	A	8	20/1		-	-
SPARE			20/1	9	B	10	20/1			SPARE
SPARE			20/1	11	C	12	20/1			SPARE
SPARE			20/1	13	A	14	20/1			SPARE
SPARE			20/1	15	B	16	20/1			SPARE
SPARE			20/1	17	C	18	20/1			SPARE
SPARE			20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30	20/1			SPARE
SPARE			20/1	31	A	32	20/1			SPARE
SPARE			20/1	33	B	34	20/1			SPARE
SPARE			20/1	35	C	36				
SPARE			20/1	37	A	38				
				39	B	40				
				41	C	42				
				43	A	44				
				45	B	46				
				47	C	48				
				49	A	50	100/2		19844	LOAD CENTER IL1
				51	B	52	-			-
				53	C	54	100/2		19844	LOAD CENTER IL1
				55	A	56	-			-
LOAD CENTER IL2A	20205		100/2	57	B	58	100/2		19844	LOAD CENTER IL1
-			-	59	C	60	-			-

PANEL L2B3

208Y/120V 3 PHASE 4 WIRE W/GND BAR — SURFACE MOUNTED
225 AMP MLO
11000 AMPS AVAIL FAULT
66 POLES ONE SECTION — SOURCE MSB

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
RUH-2,2	3600		15/3	1	A	2	60/2		10483	RUH-6
-			-	3	B	4	-			-
-			-	5	C	6	60/2		10483	RUH-7
CU-5	3764		30/2	7	A	8	-			-
-			-	9	B	10	30/2		3764	CU-6
CU-7	3764		30/2	11	C	12	-			-
-			-	13	A	14				
MAU-1	3304		20/3	15	B	16				
-			-	17	C	18				
-			-	19	A	20				
				21	B	22				
				23	C	24				
				25	A	26				
				27	B	28				
				29	C	30				
				31	A	32				
				33	B	34				
				35	C	36				
				37	A	38				
				39	B	40				
				41	C	42				
				43	A	44				
				45	B	46				
SPARE			20/1	47	C	48	20/1			SPARE
SPARE			20/1	49	A	50	20/1			SPARE
SPARE			20/1	51	B	52	20/1			SPARE
SPARE			20/1	53	C	54	20/1			SPARE
SPARE			20/1	55	A	56	20/1			SPARE
SPARE			20/1	57	B	58	20/1			SPARE
SPARE			20/1	59	C	60	20/1			SPARE

PANEL L3A1

208/120V 3 PHASE 4 WIRE W/GND BAR — SURFACE MOUNTED
225 AMP MLO — INTEGRAL SPD
12000 AMPS AVAIL FAULT
66 POLES ONE SECTION — SOURCE DPL1A

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
3RD FLOOR LIGHTING	435		20/1	1	A	2	20/1		540	CORRIDOR RECEPTS
				3	B	4	20/1		540	CORRIDOR RECEPTS
STAIR RECEPT	540		20/1	5	C	6	20/1		360	CORRIDOR MEP RECEPTS
SPARE			20/1	7	A	8	30/2		3003	SSCU/SSPC
SPARE			20/1	9	B	10	-		-	-
SPARE			20/1	11	C	12	20/1			SPARE
SPARE			20/1	13	A	14	20/1			SPARE
SPARE			20/1	15	B	16	20/1			SPARE
SPARE			20/1	17	C	18	20/1			SPARE
SPARE			20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30	20/1			SPARE
SPARE			20/1	31	A	32	20/1			SPARE
SPARE			20/1	33	B	34	20/1			SPARE
SPARE			20/1	35	C	36				
SPARE			20/1	37	A	38				
				39	B	40				
				41	C	42				
				43	A	44				
				45	B	46				
				47	C	48				
LOAD CENTER IL5	19831		100/2	49	A	50				
-			-	51	B	52				
LOAD CENTER IL5	19831		100/2	53	C	54				
-			-	55	A	56				
LOAD CENTER IL1	19844		100/2	57	B	58	100/2		19844	LOAD CENTER IL1
-			-	59	C	60	-			-

PANEL L3A3

208/120V 3 PHASE 4 WIRE W/GND BAR — SURFACE MOUNTED
225 AMP MLO
13000 AMPS AVAIL FAULT
42 POLES ONE SECTION — SOURCE DPL1A

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
CU-1	1976		20/2	1	A	2	30/2		3081	CU-2
-			-	3	B	4	-			-
CU-3	3081		30/2	5	C	6	40/2		5429	RUH-3
-			-	7	A	8	-			-
SPARE			20/1	9	B	10	20/1			SPARE
SPARE			20/1	11	C	12	20/1			SPARE
SPARE			20/1	13	A	14	20/1			SPARE
SPARE			20/1	15	B	16	20/1			SPARE
SPARE			20/1	17	C	18	20/1			SPARE
SPARE			20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24				
				25	A	26				
				27	B	28				
				29	C	30				
LOAD CENTER IL2B	20389		100/2	31	A	32				
-			-	33	B	34				
LOAD CENTER IL1	19844		100/2	35	C	36				
-			-	37	A	38				
LOAD CENTER IL1	19844		100/2	39	B	40	100/2		19844	LOAD CENTER IL1
-			-	41	C	42	-			-

PANEL KEY		
L2B2	L2B4	L3A2
L2B3	L3A1	L3A3

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The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

#	Revisions	
4	Issued For Const. / AB #1	02/22/19

Project #: 161001

Issued For Construction
February 22, 2019

ELECTRICAL SCHEDULES

E605

2019.02.22 3:21:41 AM
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MECHANICAL / ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS:

A	AMPS	BAS	BUILDING AUTOMATION SYSTEM	S	SWITCH	N1	NEMA 1
ENCL	ENCLOSURE	C	COMBINATION STARTER AND SAFETY SWITCH	SF	SWITCH AND FUSTAT	N3R	NEMA 3R
HP	HORSEPOWER	CB	CIRCUIT BREAKER	SS	SAFETY SWITCH	N4X	NEMA 4X
KW	KILOWATTS	CP	CONTROL PANEL	VFC	VARIABLE FREQUENCY CONTROLLER		
PH	PHASE	C+P	CORD AND PLUG			SCCR	SHORT CIRCUIT CURRENT RATING
V	VOLTAGE	I	INTEGRAL WITH EQUIPMENT				
W	WATTS	NF	NON-FUSED	EC	ELECTRICAL CONTRACTOR		
		OS	OCCUPANCY SENSOR	MC	MECHANICAL CONTRACTOR		

EQUIPMENT			ELECTRICAL SYSTEM				DISCONNECT			CONTROLLER			AVAILABLE FAULT	
MARK	DESCRIPTION	LOAD	V	PH	FEEDER OR BRANCH CIRCUIT	PANEL - CIRCUIT	FURNISHED BY/ INSTALLED BY	TYPE	RATING (AMPS)	ENCL.	FURNISHED BY/ INSTALLED BY	TYPE	ENCL.	CURRENT (AMPS)	REMARKS
CP-1	DOM HOT CIRC PUMP	1/6 HP	120	1	20P2	LM-21	EC/EC	SF	20	N1	MC/MC	-	-	1000	
CP-2	DOM HOT CIRC PUMP	1/6 W	120	1	20P2	LM-38	EC/EC	SF	20	N1	MC/MC	-	-	1500	
CU-1	CONDENSING UNIT	9.5 A	208	1	20P2	L3B-3-1	EC/EC	SS	30	NSR	MC/MC	-	-	2000	
CU-2	CONDENSING UNIT	11.7 A	208	1	30P2	L3A-3-2	EC/EC	SS	30	NSR	MC/MC	-	-	2000	
CU-3	CONDENSING UNIT	11.7 A	208	1	30P2	L3A-3-5	EC/EC	SS	30	NSR	MC/MC	-	-	2000	
CU-4	CONDENSING UNIT	11.7 A	208	1	30P2	L3B-4-5	EC/EC	SS	30	NSR	MC/MC	-	-	2000	
CU-5	CONDENSING UNIT	16.1 A	208	1	30P2	L2B-3-7	EC/EC	SS	30	NSR	MC/MC	-	-	3000	
CU-6	CONDENSING UNIT	16.1 A	208	1	30P2	L2B2-10	EC/EC	SS	30	NSR	MC/MC	-	-	4000	
CU-7	CONDENSING UNIT	16.1 A	208	1	30P2	L2B3-11	EC/EC	SS	30	NSR	MC/MC	-	-	3000	
CU-8	CONDENSING UNIT	21.4 A	208	3	30P3	K1-21	EC/EC	SS	30	NSR	MC/MC	-	-	3000	
CU-9	CONDENSING UNIT	11.2 A	208	3	20P3	K1-27	EC/EC	SS	30	NSR	MC/MC	-	-	3000	
EF-1,6	EXHAUST FAN	85W	120	1	20P2	-	EC/EC	SF	20	N1	EC/EC	S/OS	N1	-	4
EF-2,3	EXHAUST FAN	135W	120	1	20P2	-	EC/EC	SF	20	N1	EC/EC	S/OS	N1	-	3
EF-2,2	EXHAUST FAN	135W	120	1	20P2	-	EC/EC	SF	20	N1	EC/EC	S/OS	N1	-	3
EF-3	EXHAUST FAN	135W	120	1	20P2	-	EC/EC	SF	20	N1	EC/EC	S/OS	N1	-	3
EF-4	EXHAUST FAN	8.3 A	208	3	20P3	K1-16	MC/I	I	-	-	EC/EC	C	NSR	-	5
EF-5	EXHAUST FAN	10.2 A	120	1	20P2	K1-26	MC/I	I	-	-	-	-	-	-	5
EF-6	EXHAUST FAN	1/10 HP	120	1	20P2	-	MC/I	I	-	-	EC/EC	S/OS	N1	-	3
EF-7,1	EXHAUST FAN	18 W	120	1	20P2	-	EC/EC	SF	20	N1	EC/EC	S/OS	N1	-	3
EF-7,2	EXHAUST FAN	18 W	120	1	20P2	-	EC/EC	SF	20	N1	EC/EC	S/OS	N1	-	3
EF-7,3	EXHAUST FAN	18 W	120	1	20P2	-	EC/EC	SF	20	N1	EC/EC	S/OS	N1	-	3
EF-8,1	EXHAUST FAN	80W	120	1	20P2	-	EC/EC	SF	20	N1	EC/EC	S/OS	N1	-	3
EF-8,2	EXHAUST FAN	80W	120	1	20P2	-	EC/EC	SF	20	N1	EC/EC	S/OS	N1	-	3
EF-8,3	EXHAUST FAN	80W	120	1	20P2	-	EC/EC	SF	20	N1	EC/EC	S/OS	N1	-	3
EF-8,4	EXHAUST FAN	80W	120	1	20P2	-	EC/EC	SF	20	N1	EC/EC	S/OS	N1	-	3
EF-9	EXHAUST FAN	1/10 HP	120	1	20P2	-	MC/I	I	-	-	EC/EC	S/OS	N1	-	3
EUH-1,1	ELECTRIC UNIT HEATER	4 kW	208	1	30P2	L1A-3-1	MC/I	I	-	-	MC/MC	-	-	2000	
EUH-1,2	ELECTRIC UNIT HEATER	4 kW	208	1	30P2	L1A2-2	MC/I	I	-	-	MC/MC	-	-	1500	
EUH-1,3	ELECTRIC UNIT HEATER	4 kW	208	1	30P2	LM-16	MC/I	I	-	-	MC/MC	-	-	1000	
EUH-1,4	ELECTRIC UNIT HEATER	4 kW	208	1	30P2	LM-19	MC/I	I	-	-	MC/MC	-	-	1000	
EUH-1,5	ELECTRIC UNIT HEATER	4 kW	208	1	20P2	LM-23	MC/I	I	-	-	MC/MC	-	-	1000	
EUH-1,6	ELECTRIC UNIT HEATER	4 kW	208	1	30P2	LM-24	MC/I	I	-	-	MC/MC	-	-	1000	
EUH-3,1	ELECTRIC UNIT HEATER	3 kW	208	3	20P3	L1B1-23	MC/I	I	-	-	MC/MC	-	-	1000	
EUH-3,2	ELECTRIC UNIT HEATER	3 kW	208	3	20P3	L2B-3-1	MC/I	I	-	-	MC/MC	-	-	1000	
EUH-3,1	ELECTRIC UNIT HEATER	5 kW	208	3	30P3	L1A-1-8	MC/I	I	-	-	MC/MC	-	-	1000	
EUH-3,2	ELECTRIC UNIT HEATER	5 kW	208	3	30P3	L1A1-1-4	MC/I	I	-	-	MC/MC	-	-	1000	
EUH-3,3	ELECTRIC UNIT HEATER	5 kW	208	3	30P3	L1A2-2-3	MC/I	I	-	-	MC/MC	-	-	1500	
EUH-3,4	ELECTRIC UNIT HEATER	5 kW	208	3	30P3	L1A2-26	MC/I	I	-	-	MC/MC	-	-	1200	
EUH-4,1	ELECTRIC UNIT HEATER	5 kW	208	3	20P3	LM-39	MC/I	I	-	-	MC/MC	-	-	3500	
EUH-4,2	ELECTRIC UNIT HEATER	5 kW	208	3	30P3	LM-18	MC/I	I	-	-	MC/MC	-	-	2500	
RUH-1	ELECTRIC HEAT FAN COIL	26.1 A	208	1	40P2	L1A-1-9	MC/MC	I	-	-	MC/MC	-	-	2500	
RUH-2	ELECTRIC HEAT FAN COIL	26.1 A	208	1	40P2	L3A-3-3	MC/MC	I	-	-	MC/MC	-	-	2000	
RUH-3	ELECTRIC HEAT FAN COIL	26.1 A	208	1	40P2	L3A-3-6	MC/MC	I	-	-	MC/MC	-	-	3000	
RUH-4	ELECTRIC HEAT FAN COIL	26.1 A	208	1	40P2	L1B1-19	MC/MC	I	-	-	MC/MC	-	-	1500	
RUH-5	ELECTRIC HEAT FAN COIL	50.4 A	208	1	60P2	LM-13	MC/MC	I	-	-	MC/MC	-	-	5000	
RUH-6	ELECTRIC HEAT FAN COIL	50.4 A	208	1	60P2	L2B-3-2	MC/MC	I	-	-	MC/MC	-	-	3000	
RUH-7	ELECTRIC HEAT FAN COIL	50.4 A	208	1	60P2	L2B-3-6	MC/MC	I	-	-	MC/MC	-	-	3000	
GWH-1,1	WATER HEATER	11 A	120	1	20P2	LM-7	EC/EC	SF	20	N1	MC/MC	-	-	2000	
GWH-1,2	WATER HEATER	11 A	120	1	20P2	LM-8	EC/EC	SF	20	N1	MC/MC	-	-	2000	
GWH-1,3	WATER HEATER	11 A	120	1	20P2	LM-11	EC/EC	SF	20	N1	MC/MC	-	-	2000	
KH-1	KITCHEN HOOD	16 A	120	1	20P2	K1-36	-	-	-	-	-	-	-	1000	
MAU-1	MAKEUP AIR UNIT	53 A	208	3	20P3	L2B2-15	EC/EC	SS		NSR	MC/MC	-	-	1000	5
PVAC-1,X	PACKAGED VERTICAL AC	5 kW	208	1	30P2	REMARK 1	-	C+P	-	-	MC/MC	-	-	-	2
PVAC-2,X	PACKAGED VERTICAL AC	5 kW	208	1	30P2	REMARK 1	-	C+P	-	-	MC/MC	-	-	-	2
PVAC-3,X	PACKAGED VERTICAL AC	5 kW	208	1	30P2	REMARK 1	-	C+P	-	-	MC/MC	-	-	-	2
RCPU-X	RADIANT CEILING PANEL	.75 kW	120	1	20P2	-	MC/I	I	-	-	EC/EC	S	N1	-	4, 7
RTU-1	ROOFTOP UNIT	52 A	208	3	60P3	DP1LA-8	EC/EC	SS	100	NSR	MC/MC	-	-	4000	
RTU-2	ROOFTOP UNIT	29 A	208	3	40P3	DP1LA-10	EC/EC	SS	60	NSR	MC/MC	-	-	2000	
RTU-3	ROOFTOP UNIT	101 A	208	3	125P3	DP1LC-6	EC/EC	SS	200	NSR	MC/MC	-	-	4500	
RTU-4	ROOFTOP UNIT	52 A	208	3	60P3	DP1LC-6	EC/EC	SS	100	NSR	MC/MC	-	-	4000	
RTU-5	ROOFTOP UNIT	76 A	208	3	100P3	DP1LC-7	EC/EC	SS	200	NSR	MC/MC	-	-	5000	
SP-1	SUMP PUMP	3/4 HP	120	1	20P2	L1A1-15	EC/EC	SF	20	N1	MC/MC	-	-	1500	
SSCU-1	SPLIT SYSTEM CONDENSER	16 A	208	1	30P2	L3A-1-5	EC/EC	SS	30	NSR	MC/MC	-	-	1500	6
SSFC-1	SPLIT SYSTEM FAN COIL	1 A	208	1	20P2	-	EC/EC	S	20	N1	MC/MC	-	-	-	6
WS-1	WATER SOFTENER	5 A	120	1	20P2	LM-17	-	C+P	-	-	MC/MC	-	-	3000	2

GENERAL NOTES:

a VERIFY/COORDINATE RATINGS FOR EQUIPMENT SUPPLIED BY THE SELECTED MANUFACTURER. WHERE RATINGS ARE OTHER THAN AS REQUIRED FOR SPECIFIED UNIT, DISCONNECTS, MOTOR STARTERS, OVERCURRENT DEVICES AND RELATED REVISIONS SHALL BE PROVIDED ACCORDINGLY. THE CONTRACTOR THAT FURNISHES EQUIPMENT WITH RATINGS OTHER THAN AS NOTED SHALL BE RESPONSIBLE FOR COORDINATION AND COSTS FOR REVISIONS TO ACCOMMODATE SELECTED EQUIPMENT.

b SHORT CIRCUIT CURRENT RATING (SCCR) OF EQUIPMENT SHALL BE EQUAL TO OR GREATER THAN THE AVAILABLE FAULT CURRENT LISTED. SHORT CIRCUIT CURRENT RATING APPLIES TO EQUIPMENT AND DISCONNECT.

c FRACTIONAL HORSEPOWER SINGLE PHASE MOTORS SHALL BE PROVIDED WITH INTEGRAL OVERLOAD PROTECTION.

d DISCONNECTS SHALL BE FUSIBLE UNLESS NOTED OTHERWISE.

e ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT TO EQUIPMENT AS INDICATED.

f WHERE DISCONNECTS NOT INDICATED ON PLANS, INDICATE AT EQUIPMENT PER NEC.

g EQUIPMENT ID'S THAT END IN "-X" INDICATE THAT THERE ARE MULTIPLE UNITS THAT ARE IDENTICAL AND PROVIDED ON THE PROJECT. SEE PLANS FOR THE UNIQUE SEQUENTIAL DESIGNATION.

REMARKS

1 SEE LOAD CENTER SCHEDULE OF LIVING UNIT FOR CIRCUIT NUMBER.

2 CORD & PLUG CONNECTED. PROVIDE CORD & PLUG AND RECEPTACLE COMPATIBLE WITH EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER.

3 CONNECT EXHAUST FAN TO SWITCHED LIGHTING CIRCUIT SERVING RESPECTIVE ROOM, UNLESS NOTED OTHERWISE. FAN TO BE CONTROLLED VIA LIGHT SWITCH/OCCUPANCY SENSOR IN SPACE.

4 SEE DRAWINGS FOR CIRCUITING.

5 THE CIRCUIT FROM PANEL FOR EQUIPMENT INDICATED SHALL BE ROUTED THROUGH THE KITCHEN HOOD CONTROL PANEL. COORDINATE REQUIREMENTS WITH HOOD CONTROL PANEL SUPPLIER.

6 INDOOR UNIT IS POWERED FROM OUTDOOR UNIT. PROVIDE CONNECTION FROM OUTDOOR UNIT TO INDOOR UNIT FOR POWER AND/OR CONTROL PER MANUFACTURER RECOMMENDATIONS.

7 PROVIDE SURFACE MOUNT FRAME FOR EQUIPMENT.

PANEL LGA

208/120V 3 PHASE 4 WIRE W GND BAR — SURFACE MOUNTED
100 AMP MCB
2000 AMPS AVAIL FAULT
30 POLES ONE SECTION — SOURCE MSB

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
GARAGE DOOR OPENER	1180		20/1	1	A	2	20/1		1180	GARAGE DOOR OPENER
GARAGE DOOR OPENER	1180		20/1	3	B	4	20/1		1180	GARAGE DOOR OPENER
GARAGE DOOR OPENER	1180		20/1	5	C	6	20/1		1180	GARAGE DOOR OPENER
GARAGE DOOR OPENER	1180		20/1	7	A	8	20/1		1180	GARAGE DOOR OPENER
GARAGE DOOR OPENER	1180		20/1	9	B	10	20/1		1180	GARAGE DOOR OPENER
GARAGE DOOR OPENER	1180		20/1	11	C	12	20/1		84	GARAGE SCONCES
GARAGE RECEPTS	1080		20/1	13	A	14	20/1		287	GARAGE LIGHT
GARAGE RECEPTS	900		20/1	15	B	16	20/1			SPARE
SPARE			20/1	17	C	18	20/1			SPARE
SPARE			20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30	20/1			SPARE

PANEL LGB

208/120V 3 PHASE 4 WIRE W GND BAR — SURFACE MOUNTED
100 AMP MCB
2000 AMPS AVAIL FAULT
30 POLES ONE SECTION — SOURCE MSB

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
GARAGE DOOR OPENER	1180		20/1	1	A	2	20/1		1180	GARAGE DOOR OPENER
GARAGE DOOR OPENER	1180		20/1	3	B	4	20/1		1180	GARAGE DOOR OPENER
GARAGE DOOR OPENER	1180		20/1	5	C	6	20/1		1180	GARAGE DOOR OPENER
GARAGE DOOR OPENER	1180		20/1	7	A	8	20/1		1180	GARAGE DOOR OPENER
GARAGE DOOR OPENER	1180		20/1	9	B	10	20/1		1180	GARAGE DOOR OPENER
GARAGE DOOR OPENER	1180		20/1	11	C	12	20/1		84	GARAGE SCONCES
GARAGE RECEPTS	1080		20/1	13	A	14	20/1		287	GARAGE LIGHT
GARAGE RECEPTS	900		20/1	15	B	16	20/1			SPARE
SPARE			20/1	17	C	18	20/1			SPARE
SPARE			20/1	19	A	20	20/1			SPARE
SPARE			20/1	21	B	22	20/1			SPARE
SPARE			20/1	23	C	24	20/1			SPARE
SPARE			20/1	25	A	26	20/1			SPARE
SPARE			20/1	27	B	28	20/1			SPARE
SPARE			20/1	29	C	30	20/1			SPARE

PANEL LM

208/120V 3 PHASE 4 WIRE W GND BAR — SURFACE MOUNTED
225 AMP MLO
23000 AMPS AVAIL FAULT
54 POLES ONE SECTION — SOURCE MSB

DESCRIPTION	LOAD VA	REMARKS	O/C	CKT #	PH	CKT #	O/C	REMARKS	LOAD VA	DESCRIPTION
PANEL ELEV	3000		40/2	1	A	2	2/2		429	SOUTH SITE LIGHTING
-			-	3	B	4	-			-
FIRE ALARM CONTROL PANEL	500		20/1	5	C	6	2/1		212	CANOPY LIGHTING
GWH-1,1	1320		20/1	7	A	9	15/2		3000	EUH-3,1
GWH-1,2	1320		20/1	9	B	10	-			-
GWH-1,3	1320		20/1	11	C	12	-			-
PUR-5	10483		60/2	13	A	14	30/2		4000	EUH-1,3
-			-	15	B	16	-			-
WS-1	500		20/1	17	C	18	30/3		5000	EUH-4,2
EUH-1,4	4000		30/2	19	A	20	-			-
-			-	21	B	22	-			-
EUH-1,5	4000		30/2	23	C	24	30/2		4000	EUH-1,6
-			-	25	A	26	-			-
CP-1	400		20/1	27	B	28	2/1		100	CP-2
EUH-4,1	5000		30/3	29	C	30	2/1		500	FIRE SPRINKLER AIR COMPRESSOR
-			-	31	A	32				
-			-	33	B	34				
				35	C	36				
				37	A	38				
				39	B	40				
SPARE			20/1	41	C	42	2/1			SPARE
SPARE			20/1	43	A	44	2/1			SPARE
SPARE			20/1	45	B	46	2/1			SPARE
SPARE			20/1	47	C	48	2/1			SPARE
SPARE			20/1	49	A	50	2/1			SPARE
SPARE			20/1	51	B	52	2/1			SPARE
SPARE			20/1	53	C	54	2/1			SPARE

PANEL KEY

	LGA	
	LGB	
	LM	

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NOTE:
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawings or site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and code and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

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SLAGGIE ARCHITECTS

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Kansas City, Missouri - Omaha, Nebraska
888-756-1958
slaggie.com

The Heritage at Fox Run - Council Bluffs

New Construction
4800 Council Pointe Road
Council Bluffs, Iowa 51501

#	Revisions	
4	Issued For Const. / AS #1	02/22/19

Project #: 161001

Issued For Construction
February 22, 2019

ELECTRICAL SCHEDULES

E606

2019.03.22 07:45 AM
C:\Users\jkerr\Documents\R19017000_REPT_v19_jkerr@alvineeng.com.rvt

LOT 1 INFORMATION	
	SITE AREA (AC.)
ZONING:	A–P (ADMINISTRATIVE–PROFESSIONAL DISTRICT)
SITE AREA:	5.57 ± A.C.
PROPOSED USE:	SENIOR LIVING
TOTAL BUILDING AREA:	52,545 S.F.±
1 BED PARKING REQUIREMENT:	1 STALL PER UNIT
2 BED PARKING REQUIREMENT:	1.5 STALLS PER UNIT
TOTAL PARKING REQUIRED:	89 (4 ADA STALLS)
TOTAL PARKING PROVIDED:	93 (4 ADA STALLS)
SIGNAGE:	SHALL NOT EXCEED AP ZONING REQUIREMENTS

LEGEND

- PROPERTY BOUNDARY
- EXISTING PROPERTY LINE
- SECTION LINE
- BACK OF CURB
- PROPOSED EASEMENT LINE
- PROPOSED BUILDING OUTLINE

N

0' 30' 60' 120'
SCALE IN FEET



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REV.: NO.	DATE	REVISIONS DESCRIPTION

PRELIMINARY SITE PLAN

HERITAGE RIDGE AT FOX RUN

COUNCIL BLUFFS

2018

drawn by: DWB
checked by: ALW
approved by: PAH
QA/QC by:
project no.: 016-2952
drawing no.:
date: 01.25.2018

SHEET
1 of 1

DWG: F:\2016\2501-3000\016-2952\4D-Design\AutoCAD\Preliminary Plans\Sheets\GNOVA_SITE_629521.dwg
DATE: Mar 27, 2018 9:44am XREFS: C:\BASE_629521 C:\BKGD_629521 C:\REC_629521 USER: dakese
4–101 – FIRST FLOOR CONSTRUCTION PLAN C_PBLDG_629521 FloorPlan–ACADExportPlan–FirstFloor