

Staff Report

**CAMPUSTOWN URBAN REVITALIZATION AREA
NATURAL DAYLIGHT CRITERIA EQUIVALENCY REQUEST
FOR PROPERTY AT 122 HAYWARD AVENUE**

April 26, 2016

BACKGROUND:

Dean Jensen, RES Development, Ames, as the property owner and developer, has submitted applications for approval of a Minor Site Development Plan and Plat of Survey to combine two lots into a single parcel for redevelopment of the property located at 122 Hayward Avenue (currently addressed as 118 and 120 Hayward Avenue, see *Attachment A: Location Map*). The developer intends to demolish the existing one-story commercial building and construct a new mixed-use, seven story, structure with commercial uses on the first floor, amenities for apartment tenants above the commercial, two levels of structured parking, and five levels of apartment units. Nine apartments are planned for each residential level. The apartment layouts include (3) two-bedroom, (1) three-bedroom and (5) four-bedroom units on each level. A total of 45 units, 145 bedrooms; and, 45 parking spaces will be located inside the structure. Six additional parking spaces are planned outside the building, on the ground level north of the building.

(See Attachment D: Preliminary Plans, not yet approved, including the "Cover Sheet", "Lower Parking Plan", "Upper Parking Plan", "Typical Floor Plan", "North & South Building Elevations"; and, "East & West Building Elevations.")

The Developer has put forward a request to have the City Council determine if their approach to provide natural lighting for the apartment unit living areas is equivalent to the criterion of the Campustown Urban Revitalization Area (URA) (see Attachment C: Campustown URA Criteria). The developer desires to construct the project as proposed and intends to seek property tax abatement once the project is constructed. The specific criterion that is related to this request is:

Criteria #10 "provide for natural daylight requirements of applicable codes with exterior windows."

Specifically, the developer asks that the Council determine that the although approximately 1/3 of the bedrooms within the project do not have exterior windows, that due to the degree of glazing on the residential facades and the proposed level of artificial lighting within each living area that the project can be found to be equivalent to the standard as described in the URA Plan. (see Attachment B: Developer's Request).

The Campustown URA has always included conditions that are mandatory for receiving property tax abatement. The Campustown URA criteria are expectations that exceed the basic standards of the City's codes and rely on the incentive of receiving property tax to abatement to have such features included within the design of a project. The current language for requirements applied to residential uses was added to the Campustown Criteria in 2009. The residential requirements were described in the February 2009 reports as a means to address the City's experiences with large and intense developments and to increase safety and security and access to light and air for these intense developments.

The language at question relates to a building code standard that articulates a requirement that occupied space must meet minimum lighting levels, either through the use of windows or artificial lighting, within each room (*see IBC Excerpt Attachment F*). A building must provide natural light for habitable spaces, with the net glazed area to be not less than 8% of the floor area of the room served by the window. The other approach is to use artificial light that is adequate to provide an average illumination of 10 footcandles over the area of the room at a height of 30 inches above the floor level.

Staff has interpreted the URA criterion for natural daylight requirements to mean that natural lighting, through the use of window glazing, is to be incorporated into the design of new buildings for all habitable spaces e.g. bedrooms, living/dining rooms and kitchens, but not to bathrooms and hallways as would be included within the meaning of the Building Code. Staff sees the use of natural daylight as a higher design standard than artificial lighting and in most circumstances viewed as an enhanced living environment.

The developer proposes that natural light does not have to be provided to all habitable spaces in the building to meet the URA criteria for lighting. The developer proposes that artificial light can be provided in place of exterior windows for some of the rooms, provided the rooms that do have exterior windows exceed the minimum glazed area for the entire apartment units that would be required by the IBC. **They believe this approach achieves a higher standard for the building design than is required by the IBC, and satisfies the URA criteria for natural daylight with exterior windows.**

On *Attachment E: Lighting*, the developer has shown the square footage of glazing provided for rooms that have exterior windows, and the ratio of glazing to floor area of the room being provided with natural light. The percentage of floor area provided as glazing exceeds the minimum IBC requirement of 8% for all habitable rooms provided with windows. All living rooms, dining areas and kitchens in the building receive natural light. All living room windows include 46 square feet of glazing (8'-0" wide by 5'-9" tall) Ninety-five of the 145 bedrooms have windows; whereas, the other 50 bedrooms are lighted with artificial light, and will not have windows. All bedroom windows include 19 square feet of glazing (3'-4" wide by 5'-9" tall). Ten of the 29 bedrooms on each of the five levels will be lighted with artificial light, only. *Attachment D: Lighting*, also shows the percentage of exterior wall surface for all four building elevations that is devoted to glazing. The percentage of glazing on the exterior facades ranges from 20% on the south elevation to 30.7 % on the west elevation.

Another code related to lighting is the City of Ames Rental Housing Code (see *Attachment G: Rental Housing Code*). The Rental Housing Code requires that each habitable room be provided with natural light by means of one or more exterior glazed openings. The window openings are to have a total minimum area of at least 10 square feet per apartment. However, it expressly states that in lieu of window openings for natural light in habitable rooms, adequate light may be a system of artificial light capable of producing an average illumination of six footcandles over the area of the room at a height of 30 inches above the floor level. This Rental Code standard is a lower bar than that of the current building code adopted by the City. **The developers proposed artificial lighting provided in each of the 50 interior bedrooms is equal to 18 footcandles, which exceeds the minimum required for rooms with artificial light, and no natural daylight.**

Options

1. The City Council can approve the developer's proposal of an equivalent alternative to meet the Campustown Urban Revitalization Criteria #10 for natural daylight requirements for the proposed mixed-use building at 122 Hayward Avenue.

The City Council is asked to exercise their discretion and determine that the proposed approach to window glazing and artificial lighting for 1/3 of the bedrooms in the 122 Hayward project meets the equivalency language of the URA Plan. City Council could determine that the proposal does meet the equivalency expectation and approve the developer's approach to designing the building. With this option, acceptance of the developer's proposal would allow the developer to proceed with the project with the assurance that tax abatement would be available upon completion of the project if it meets all other requirements of the Campustown URA Plan.

2. The City Council can direct staff to prepare an amendment to the Campustown Urban Revitalization Criteria for natural daylight requirements to allow the developer's proposal to comply with the standards.

In the event the City Council does not believe the proposal is equivalent to the standards, but is supportive of the developer's request, the City Council could initiate an amendment to the Campustown URA criteria that revises the natural day-lighting requirement. A change could be made to reflect the intent of increased glazing on residential facades or a glazing requirement based upon the apartment unit area. Such a change would then apply to all future projects. The developer would likely continue with their project while the City pursues an amendment to the criteria.

3. The City Council can deny approval of the developer's proposal of an equivalent alternative to meet the Campustown Urban Revitalization Criteria for natural daylight requirements for the proposed mixed-use building at 122 Hayward Avenue.

If the City Council does not believe the approach by the developer meets the intent of the URA criteria it can choose to deny the request. The developer would then

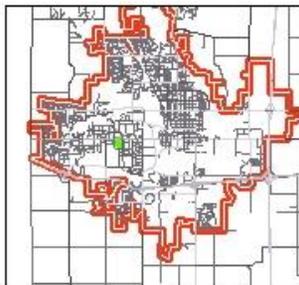
need to decide whether to construct the project as proposed and not seek property tax abatement or to redesign the project to be eligible for tax abatement with all habitable rooms having an exterior window.

4. The City Council can refer this request back to City staff and/or the applicant for additional information prior to making this determination.

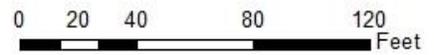
STAFF COMMENTS:

The intent of the natural light criterion can be found to have two purposes. The first is to enhance the living environment of each habitable room with access to natural light. Staff believes the second outcome from the natural light criterion is that there would likely be a higher percentage of glazing on residential facades due to the requirement that each room have access to an exterior window rather than meeting lighting requirements solely with artificial light. The increase in glazing creates a higher degree of architectural interest than blank facades with non-transparent materials.

Attachment A
Location Map



Location Map
122 Hayward Avenue



Attachment B
Developer's Request – Page 1



April 20, 2016

Honorable Mayor and City Council
515 5th Street
Ames, IA 50010

Re: 122 Hayward Avenue, Ames, IA
Clarification Request of Council for
Campustown Urban Revitalization
Criteria (C) 10.

Honorable Mayor and Council,

By this letter, we are respectfully requesting clarification as to the intent of Campustown Urban Revitalization Criteria (C) and its criteria application to our project in seeking Council's approval:

10. Provide for natural daylight requirements of applicable codes with exterior windows.

The applicable building code is the 2012 International Building Code (IBC), Chapter 12 – Interior Environment, Section 1205 Lighting and the City of Ames Municipal Code, Division V, Chapter 13 – Rental Housing, Section 13.501 Light – Natural Light Requirements. Both of these code sections are attached. Both of these codes allow for minimum Lighting requirements to be met with either Natural Light or Artificial Light. The Rental Housing code does require a minimum total of 10 square feet of windows per apartment.

Please also find attached a typical overall residential floor plan and exterior wall elevation(s) showing the window openings, their glazed area, the room served area and the ratio of the glazed area to the room served area:

1. Note the window glazed area to floor area ratio in all living rooms and perimeter bedrooms significantly exceed the IBC Natural Light code requirement of 8% minimum.
2. Note the artificial lighting in all interior bedrooms significantly exceeds the IBC Artificial Light code requirement of an average of 10 footcandles or more at 30" above the finish floor.

2519 CHAMBERLAIN ST, STE 101 AMES, IA 50014

Phone: (515) 268.5485 Fax: (515) 268.8181



3. Note that each Apartment Unit total window glazed area to Apartment Unit habitable (Living, Sleeping, Cooking and Eating) space area ratio exceeds the IBC Natural Light requirement of 8% minimum.
4. The Rental Housing Code states that each Habitable Room shall be provided with Natural Light by means of one or more glazed window opening OR Artificial Light capable of producing an average illumination of 6 footcandles over the area served at a height of 30" above the floor level. The lighting in the 10 interior bedrooms meet this code requirement with 18 footcandles of artificial light, 3 times greater than required.
5. Note that each Apartment Unit total window glazed area (between 65 sf and 122 sf) significantly exceeds the Rental Code minimum requirement of 10 square feet.
6. Note that on each exterior wall face, the ratio of window glazed area to overall wall area is 20% or greater.

It is apparent the minimum Natural Daylight required by the International Building Code (IBC) and the City of Ames Rental Housing Code is provided in excess. It is apparent the exterior walls of the building demonstrate a significant percentage of window openings relative to the wall surface available. All Bedroom windows (19 sf) are 3'-4" wide x 5'-9" tall and all Living Room windows (46 sf) are 8'-0" wide and 5'-9" tall, both sized substantially greater than a typical apartment window.

We trust you will agree item (C) 10.'s intent of incentivizing a developer to provide Natural Light over Artificial Light which would result in a sizeable amount of exterior window openings on the exterior elevations is met. Your approval of our correctly applying this criteria to our 122 Hayward Avenue project will be greatly appreciated.

Respectfully submitted,



Dean W. Jensen,
Campus Plaza, LC Property Owner and Developer

2519 CHAMBERLAIN ST, STE 101 AMES, IA 50014

Phone: (515) 268.5485 Fax: (515) 268.8181

CAMPUSTOWN URBAN REVITALIZATION PLAN - Criteria for Renovation or New Construction

<p align="center">(A)</p> <p><i>Project must meet one criterion of three options from Column (A).</i></p> <p>(1) Slum and Blighted Properties where a majority of the assessed valuation has been determined to be substantially unsafe or to have an unsafe use by the City Council. -OR-</p> <p>(2) Parking & Mixed Use</p> <ul style="list-style-type: none"> A minimum of 70% of the total required parking is provided in a structure. If utilizing a parking deck, the restrictions in Chapter 29.406(12) of the Municipal Code must be adhered to. <p><i>and</i></p> <ul style="list-style-type: none"> The first floor must be used for permitted commercial and retail uses as shown in Table 29.809 (2) of the Municipal Code or for a small production facility. The second floor must be used for either commercial or retail uses as shown in Table 29.809 (2) or for household living. All floors above the second floor must be used for household living. <p>-OR-</p> <p>(3) Adaptive Reuse</p> <ul style="list-style-type: none"> The building on the site is at least 50 years or older. <p><i>and</i></p> <ul style="list-style-type: none"> 70% of the area of existing walls of the structure will remain. <p><i>and</i></p> <ul style="list-style-type: none"> Historic materials and designs are preserved and/or restored. 	<p align="center">(B)</p> <p><i>Project must meet one criterion of two options from Column (B).</i></p> <p>(1) Underrepresented Properties that are to include a business use where that actual sales of the business use is below the expected sales for the business use as determined by the City Council to be of benefit to the City. -OR-</p> <p>(2) Design Standards</p> <ul style="list-style-type: none"> Retail and office uses on the first floor adjacent to a public sidewalk must have direct access to the public sidewalk. <p><i>and</i></p> <ul style="list-style-type: none"> Buildings greater than 3-stories shall include architectural features that create visual interest and variation in building design by differentiating building facade elements and include visual relief for long facades. <p><i>and</i></p> <ul style="list-style-type: none"> Approval of master sign program by the Planning and Housing Director with signage designs that are complimentary to the building design and supports business identity <p><i>and</i></p> <ul style="list-style-type: none"> Limit driveways along Lincoln Way and Welch Avenue if alternative means of access are available. No drive-troughs are allowed along the Lincoln Way and Welch Avenue. <p><i>and</i></p> <ul style="list-style-type: none"> 100% of the front facades and 80% of the remaining sides of the structure shall be faced with clay brick for the first four stories. On stories five through seven any other building materials except vinyl will be allowed. <p>-OR-</p> <p>An adaptive reuse project (A3) may use siding materials that are historically significant for all stories of a building.</p>	<p align="center">(C)</p> <p><i>All projects with residential uses shall also meet the following criteria or equivalent as approved by City Council.</i></p> <ol style="list-style-type: none"> Limit commercial space in the same building to the ground floor. Provide separate entrances for commercial and residential uses. Residential entrances are visible from the street and provide secure access. Prevent access from the exterior to the interior through doors that serve only as fire exits. Prohibit public access to structured parking, using overhead door and secure access control. Provide transparent glass windows into all stairwells. Provide camera monitoring of all pedestrian and vehicle entrances and areas. Minimum widths of all exit routes: 48" for halls, 42" for doors, 60" between rails for stairs. No balconies are permitted. Provide for natural daylight requirements of applicable codes with exterior windows. On facades facing any street use only fixed windows, note modified tamper resistant windows do not comply. Design of all other windows to pre-vent passing of sphere larger than 4" diameter. Prevent by physical means access to all roofs. Where access is not required, provide security fencing controlling access to all areas between new or existing buildings. Provide a minimum of four 100w metal halide or LED 6,500 lumens light fixtures on each building facade: two at elevation between first and second floors and two at elevation between third and fourth floor.
---	--	---

Campustown URA Criteria Appendix

1. All Projects must comply with an option from both column A and column B. Additionally, projects with residential uses must also comply with all requirements of column C.
2. Projects requesting final tax abatement approval must be compliant with an approved Site Development Plan and have received a certificate of building occupancy from the City of Ames Inspection Division.
3. All features incorporated into a project to meet URA criteria must be maintained for the life of the tax abatement.
4. Applications for final tax abatement approval must include supporting documentation for each of the relevant criteria.

5. Architectural Design Guidelines:

The intent of this criterion is to promote building variation appearance within Campustown. The relative scale of new buildings can lead to similar building appearances due to construction techniques, uniform roof lines, and long building lengths; whereas, Campustown historically had diversity in building appearance and scale.

Visual interest of a building means incorporating architectural features that define buildings elements, such as the base, middle, and top of a building. Appropriate architectural features can include window details, brick and material color variations that highlight building elements and support building identity, parapets, or expressive storefront glazing systems.

Variation and Relief means building offsets that affect the apparent massing of the building at the ground level or for upper stories. For example, a uniform storefront at the base of building may have upper floor relief with a courtyard or changes in façade planes, alternatively, the lower levels of the building may have the appearance of multiple facades with a building offset that differentiates the façades and has a minimum depth of 6 inches. Recessed storefronts creating outdoor usable space at the ground floor can also provide variation and relief. The degree of needed facade relief will correspond to the scale of the building and length of the facade to achieve the desired effect of the URA criteria. Long facades are generally in excess of 60 feet, substantially longer façades may necessitate additional elements of relief.

6. Master Sign Program

Sign program details in the plan shall include the style of signs (blade, channel letters, etc.) location of signs, size and scale, lighting details, method of attachment to buildings.

Signage shall be orientated to the pedestrian level, internal illuminated cabinet signs with white or light color backgrounds are prohibited, channel letters should be affixed directly to the building without a visible raceway or have a backing panel that covers a creating the appearance of an overall sign face. Preferred signage would be decorative in appearance through its use of sign face materials, design, lighting, and style of signage.

In consideration of approval of the Sign Program, the Planning Director will review the Campustown Idea Book signage guidelines, scale of signage and location in relation to the building features, and lighting type. Once a sign program is approved, individual sign permits must be consistent with the sign program.

Attachment D Preliminary Plans – Cover Sheet



Hayward Mixed Use 45 Unit Building

122 Hayward Ave. Ames, IA 50014

Campus Plaza LC
AMES, IA 50014

Owner:

Architect/Construction Manager:

Structural Engineer:

MEP Engineer:

Civil Engineer:

FO: BOB TON, NAWA, IA 50724 Phone: (515) 597-5467 Fax: (515) 597-5461

4177 Grand Avenue, Des Moines, IA 50312 Phone: (515) 272-0275

MEP: RAKER RHODES, DES MOINES, IA 50312 Phone: (515) 272-0275

CIVIL: FOX ENGINEERING, DES MOINES, IA 50312 Phone: (515) 233-0103

414 SOUTH 17TH STREET SUITE 107, AMES, IA 50010 Phone: (515) 233-0000 Fax: (515) 233-0103

RECEIVED
APR 21 2016
CITY OF AMES, IOWA
DEPT. OF PLANNING & HOUSING

Abbreviations

AC	ALUMINUM CLADDING
AD	ALUMINUM DECK
AL	ALUMINUM
AS	ALUMINUM STUD
AW	ALUMINUM WINDOW
BR	BRICK
CC	CONCRETE
CD	CONCRETE DECK
CE	CONCRETE EXPOSED
CF	CONCRETE FINISH
CG	CONCRETE GROUND
CH	CONCRETE HANGAR
CI	CONCRETE INSULATION
CL	CONCRETE LAYER
CM	CONCRETE MASONRY
CO	CONCRETE ON
CS	CONCRETE SURFACE
CT	CONCRETE TYPING
CU	CURB
CV	CONCRETE VENEER
DC	DECK
DE	DECK EXPOSED
DF	DECK FINISH
DI	DECK INSULATION
DM	DECK MASONRY
DN	DECK NAIL
DO	DECK ON
DP	DECK PAVING
DR	DECK REINFORCEMENT
DS	DECK SURFACE
DT	DECK TYPING
DU	DECK UNDER
DV	DECK VENEER
EW	EXPOSED WINDOW
EX	EXPOSED
FL	FLOOR
FR	FLOOR FINISH
FS	FLOOR SURFACE
FT	FLOOR TYPING
FW	FLOOR WOOD
GA	GALVANNEED STEEL
GC	GALVANNEED STEEL CLADDING
GD	GALVANNEED STEEL DECK
GE	GALVANNEED STEEL EXPOSED
GF	GALVANNEED STEEL FINISH
GG	GALVANNEED STEEL GROUND
GH	GALVANNEED STEEL HANGAR
GI	GALVANNEED STEEL INSULATION
GL	GALVANNEED STEEL LAYER
GM	GALVANNEED STEEL MASONRY
GN	GALVANNEED STEEL ON
GO	GALVANNEED STEEL OVER
GP	GALVANNEED STEEL PAVING
GR	GALVANNEED STEEL REINFORCEMENT
GS	GALVANNEED STEEL SURFACE
GT	GALVANNEED STEEL TYPING
GU	GALVANNEED STEEL UNDER
GV	GALVANNEED STEEL VENEER
HW	HARDWOOD
IC	INSULATION
IS	INSULATION STUD
IT	INSULATION TYPING
JA	JANETRY
JB	JANETRY BRACKET
JC	JANETRY CASE
JD	JANETRY DECK
JE	JANETRY EXPOSED
JF	JANETRY FINISH
JG	JANETRY GROUND
JH	JANETRY HANGAR
JI	JANETRY INSULATION
JL	JANETRY LAYER
JM	JANETRY MASONRY
JN	JANETRY ON
JO	JANETRY OVER
JP	JANETRY PAVING
JR	JANETRY REINFORCEMENT
JS	JANETRY SURFACE
JT	JANETRY TYPING
JU	JANETRY UNDER
JV	JANETRY VENEER
KL	KICKER
KS	KICKER STUD
KT	KICKER TYPING
KU	KICKER UNDER
KV	KICKER VENEER
LA	LAMINATE
LB	LAMINATE BRACKET
LC	LAMINATE CASE
LD	LAMINATE DECK
LE	LAMINATE EXPOSED
LF	LAMINATE FINISH
LG	LAMINATE GROUND
LH	LAMINATE HANGAR
LI	LAMINATE INSULATION
LJ	LAMINATE LAYER
LK	LAMINATE MASONRY
LN	LAMINATE ON
LO	LAMINATE OVER
LP	LAMINATE PAVING
LR	LAMINATE REINFORCEMENT
LS	LAMINATE SURFACE
LT	LAMINATE TYPING
LU	LAMINATE UNDER
LV	LAMINATE VENEER
MA	MASONRY
MB	MASONRY BRACKET
MC	MASONRY CASE
MD	MASONRY DECK
ME	MASONRY EXPOSED
MF	MASONRY FINISH
MG	MASONRY GROUND
MH	MASONRY HANGAR
MI	MASONRY INSULATION
ML	MASONRY LAYER
MM	MASONRY MASONRY
MN	MASONRY ON
MO	MASONRY OVER
MP	MASONRY PAVING
MR	MASONRY REINFORCEMENT
MS	MASONRY SURFACE
MT	MASONRY TYPING
MU	MASONRY UNDER
MV	MASONRY VENEER
NA	NAIL
NB	NAIL BRACKET
NC	NAIL CASE
ND	NAIL DECK
NE	NAIL EXPOSED
NF	NAIL FINISH
NG	NAIL GROUND
NH	NAIL HANGAR
NI	NAIL INSULATION
NJ	NAIL LAYER
NK	NAIL MASONRY
NL	NAIL ON
NO	NAIL OVER
NP	NAIL PAVING
NR	NAIL REINFORCEMENT
NS	NAIL SURFACE
NT	NAIL TYPING
NU	NAIL UNDER
NV	NAIL VENEER
OB	OBSTRUCTION
OC	OBSTRUCTION CASE
OD	OBSTRUCTION DECK
OE	OBSTRUCTION EXPOSED
OF	OBSTRUCTION FINISH
OG	OBSTRUCTION GROUND
OH	OBSTRUCTION HANGAR
OI	OBSTRUCTION INSULATION
OJ	OBSTRUCTION LAYER
OK	OBSTRUCTION MASONRY
OL	OBSTRUCTION ON
OO	OBSTRUCTION OVER
OP	OBSTRUCTION PAVING
OR	OBSTRUCTION REINFORCEMENT
OS	OBSTRUCTION SURFACE
OT	OBSTRUCTION TYPING
OU	OBSTRUCTION UNDER
OV	OBSTRUCTION VENEER
PA	PARTITION
PB	PARTITION BRACKET
PC	PARTITION CASE
PD	PARTITION DECK
PE	PARTITION EXPOSED
PF	PARTITION FINISH
PG	PARTITION GROUND
PH	PARTITION HANGAR
PI	PARTITION INSULATION
PJ	PARTITION LAYER
PK	PARTITION MASONRY
PL	PARTITION ON
PO	PARTITION OVER
PP	PARTITION PAVING
PR	PARTITION REINFORCEMENT
PS	PARTITION SURFACE
PT	PARTITION TYPING
PU	PARTITION UNDER
PV	PARTITION VENEER
RA	RAMP
RB	RAMP BRACKET
RC	RAMP CASE
RD	RAMP DECK
RE	RAMP EXPOSED
RF	RAMP FINISH
RG	RAMP GROUND
RH	RAMP HANGAR
RI	RAMP INSULATION
RJ	RAMP LAYER
RK	RAMP MASONRY
RL	RAMP ON
RO	RAMP OVER
RP	RAMP PAVING
RR	RAMP REINFORCEMENT
RS	RAMP SURFACE
RT	RAMP TYPING
RU	RAMP UNDER
RV	RAMP VENEER
SA	SHED
SB	SHED BRACKET
SC	SHED CASE
SD	SHED DECK
SE	SHED EXPOSED
SF	SHED FINISH
SG	SHED GROUND
SH	SHED HANGAR
SI	SHED INSULATION
SJ	SHED LAYER
SK	SHED MASONRY
SL	SHED ON
SO	SHED OVER
SP	SHED PAVING
SR	SHED REINFORCEMENT
SS	SHED SURFACE
ST	SHED TYPING
SU	SHED UNDER
SV	SHED VENEER
TA	TILE
TB	TILE BRACKET
TC	TILE CASE
TD	TILE DECK
TE	TILE EXPOSED
TF	TILE FINISH
TG	TILE GROUND
TH	TILE HANGAR
TI	TILE INSULATION
TJ	TILE LAYER
TK	TILE MASONRY
TL	TILE ON
TO	TILE OVER
TP	TILE PAVING
TR	TILE REINFORCEMENT
TS	TILE SURFACE
TT	TILE TYPING
TU	TILE UNDER
TV	TILE VENEER
UB	UNDERBRACKET
UC	UNDERCASE
UD	UNDERDECK
UE	UNDEREXPOSED
UF	UNDERFINISH
UG	UNDERGROUND
UH	UNDERHANGAR
UI	UNDERINSULATION
UJ	UNDERLAYER
UK	UNDERMASONRY
UL	UNDERON
UO	UNDEROVER
UP	UNDERPAVING
UR	UNDERREINFORCEMENT
US	UNDERSURFACE
UT	UNDERTYPING
UU	UNDERUNDER
UV	UNDERVENEER
VA	VENEER
VB	VENEER BRACKET
VC	VENEER CASE
VD	VENEER DECK
VE	VENEER EXPOSED
VF	VENEER FINISH
VG	VENEER GROUND
VH	VENEER HANGAR
VI	VENEER INSULATION
VJ	VENEER LAYER
VK	VENEER MASONRY
VL	VENEER ON
VO	VENEER OVER
VP	VENEER PAVING
VR	VENEER REINFORCEMENT
VS	VENEER SURFACE
VT	VENEER TYPING
VU	VENEER UNDER
VV	VENEER VENEER
WA	WOOD
WB	WOOD BRACKET
WC	WOOD CASE
WD	WOOD DECK
WE	WOOD EXPOSED
WF	WOOD FINISH
WG	WOOD GROUND
WH	WOOD HANGAR
WI	WOOD INSULATION
WJ	WOOD LAYER
WK	WOOD MASONRY
WL	WOOD ON
WO	WOOD OVER
WP	WOOD PAVING
WR	WOOD REINFORCEMENT
WS	WOOD SURFACE
WT	WOOD TYPING
WU	WOOD UNDER
WV	WOOD VENEER
XA	EXPOSED ALUMINUM
XB	EXPOSED BRICK
XC	EXPOSED CONCRETE
XD	EXPOSED DECK
XE	EXPOSED EXPOSED
XF	EXPOSED FINISH
XG	EXPOSED GROUND
XH	EXPOSED HANGAR
XI	EXPOSED INSULATION
XJ	EXPOSED LAYER
XK	EXPOSED MASONRY
XL	EXPOSED ON
XO	EXPOSED OVER
XP	EXPOSED PAVING
XR	EXPOSED REINFORCEMENT
XS	EXPOSED SURFACE
XT	EXPOSED TYPING
XU	EXPOSED UNDER
XV	EXPOSED VENEER
YA	WOOD ALUMINUM
YB	WOOD BRICK
YC	WOOD CONCRETE
YD	WOOD DECK
YE	WOOD EXPOSED
YF	WOOD FINISH
YG	WOOD GROUND
YH	WOOD HANGAR
YI	WOOD INSULATION
YJ	WOOD LAYER
YK	WOOD MASONRY
YL	WOOD ON
YO	WOOD OVER
YP	WOOD PAVING
YR	WOOD REINFORCEMENT
YS	WOOD SURFACE
YT	WOOD TYPING
YU	WOOD UNDER
YV	WOOD VENEER
ZA	ZINC
ZB	ZINC BRACKET
ZC	ZINC CASE
ZD	ZINC DECK
ZE	ZINC EXPOSED
ZF	ZINC FINISH
ZG	ZINC GROUND
ZH	ZINC HANGAR
ZI	ZINC INSULATION
ZJ	ZINC LAYER
ZK	ZINC MASONRY
ZL	ZINC ON
ZO	ZINC OVER
ZP	ZINC PAVING
ZR	ZINC REINFORCEMENT
ZS	ZINC SURFACE
ZT	ZINC TYPING
ZU	ZINC UNDER
ZV	ZINC VENEER

Drawing Symbols

□	WALL TYPE SEE SHEET 2004
○	ROUND SEE SHEET 2004
◇	DIAGONAL SEE SHEET 2004
○	REINFORCEMENT SEE SHEET 2004
○	REINFORCEMENT SEE SHEET 2004
○	REINFORCEMENT SEE SHEET 2004

- ### General Notes
- Refer to Structural Civil, Mechanical, Electrical and Plumbing notes for details.
 - Verify existing conditions before construction of new by providing with the appropriate drawings.
 - All new wall masonry shall be above grade/above ground.
 - Check & seal all construction joints at intersection.
 - Reinforcement shall be installed per design.
 - Concrete shall be placed in accordance with the manufacturer's instructions per 2009 IBC and manufacturer's installation specifications.
 - SPRINKLER RISERS shall be installed per design.
 - Construction shall be in accordance with the manufacturer's instructions per 2009 IBC.
 - Finishing to be installed per Sect. 717 CONCEALED SPACES, 2009 IBC.
 - Challenging to be installed per Sect. 717 CONCEALED SPACES, 2009 IBC.
 - Flow and not this manufacturer to coordinate floor layout.
 - Concrete shall be placed in accordance with the manufacturer's instructions per 2009 IBC.
 - Structural engineer to allow for HVAC duct returns.
 - Plumbing & Mechanical contractors to coordinate locations of equipment, risers & ducts with Contractor.
 - Coordinate existing conditions of any pre-existing & above with existing conditions.
 - All dimensions are by sight/finish UNLESS NOTED.

Drawing Index

General	1	2	3
0200	COVER SHEET		
0300	FOUNDATION		
0400	FOUNDATION		
0500	FOUNDATION		
0600	FOUNDATION		
0700	FOUNDATION		
0800	FOUNDATION		
0900	FOUNDATION		
1000	FOUNDATION		
1100	FOUNDATION		
1200	FOUNDATION		
1300	FOUNDATION		
1400	FOUNDATION		
1500	FOUNDATION		
1600	FOUNDATION		
1700	FOUNDATION		
1800	FOUNDATION		
1900	FOUNDATION		
2000	FOUNDATION		
2100	FOUNDATION		
2200	FOUNDATION		
2300	FOUNDATION		
2400	FOUNDATION		
2500	FOUNDATION		
2600	FOUNDATION		
2700	FOUNDATION		
2800	FOUNDATION		
2900	FOUNDATION		
3000	FOUNDATION		
3100	FOUNDATION		
3200	FOUNDATION		
3300	FOUNDATION		
3400	FOUNDATION		
3500	FOUNDATION		
3600	FOUNDATION		
3700	FOUNDATION		
3800	FOUNDATION		
3900	FOUNDATION		
4000	FOUNDATION		
4100	FOUNDATION		
4200	FOUNDATION		
4300	FOUNDATION		
4400	FOUNDATION		
4500	FOUNDATION		
4600	FOUNDATION		
4700	FOUNDATION		
4800	FOUNDATION		
4900	FOUNDATION		
5000	FOUNDATION		
5100	FOUNDATION		
5200	FOUNDATION		
5300	FOUNDATION		
5400	FOUNDATION		
5500	FOUNDATION		
5600	FOUNDATION		
5700	FOUNDATION		
5800	FOUNDATION		
5900	FOUNDATION		
6000	FOUNDATION		
6100	FOUNDATION		
6200	FOUNDATION		
6300	FOUNDATION		
6400	FOUNDATION		
6500	FOUNDATION		
6600	FOUNDATION		
6700	FOUNDATION		
6800	FOUNDATION		
6900	FOUNDATION		
7000	FOUNDATION		
7100	FOUNDATION		
7200	FOUNDATION		
7300	FOUNDATION		
7400	FOUNDATION		
7500	FOUNDATION		
7600	FOUNDATION		
7700	FOUNDATION		
7800	FOUNDATION		
7900	FOUNDATION		
8000	FOUNDATION		
8100	FOUNDATION		
8200	FOUNDATION		
8300	FOUNDATION		
8400	FOUNDATION		
8500	FOUNDATION		
8600	FOUNDATION		
8700	FOUNDATION		
8800	FOUNDATION		
8900	FOUNDATION		
9000	FOUNDATION		
9100	FOUNDATION		
9200	FOUNDATION		
9300	FOUNDATION		
9400	FOUNDATION		
9500	FOUNDATION		
9600	FOUNDATION		
9700	FOUNDATION		
9800	FOUNDATION		
9900	FOUNDATION		
10000	FOUNDATION		

Parking Requirements

Description	Count	Percentage of Total
Handicap Parking	3	6%
Standard Parking	108	74%
Grand Total	111	80%

Description	Count
Handicap Parking	3
Standard Parking	108
Grand Total	111

Description	Count
Handicap Parking	3
Standard Parking	108
Grand Total	111

PRELIMINARY- NOT FOR CONSTRUCTION

Legal Description

122 Hayward Ave. Ames, IA 50014

Project: Hayward Mixed Use

122 Hayward Ave. Ames, IA 50014

Hayward Mixed Use
122 Hayward Ave.
Ames, IA 50014

G000

DATE: 04/15/16
DRAWN BY: [Name]
CHECKED BY: [Name]
PROJECT: Hayward Mixed Use

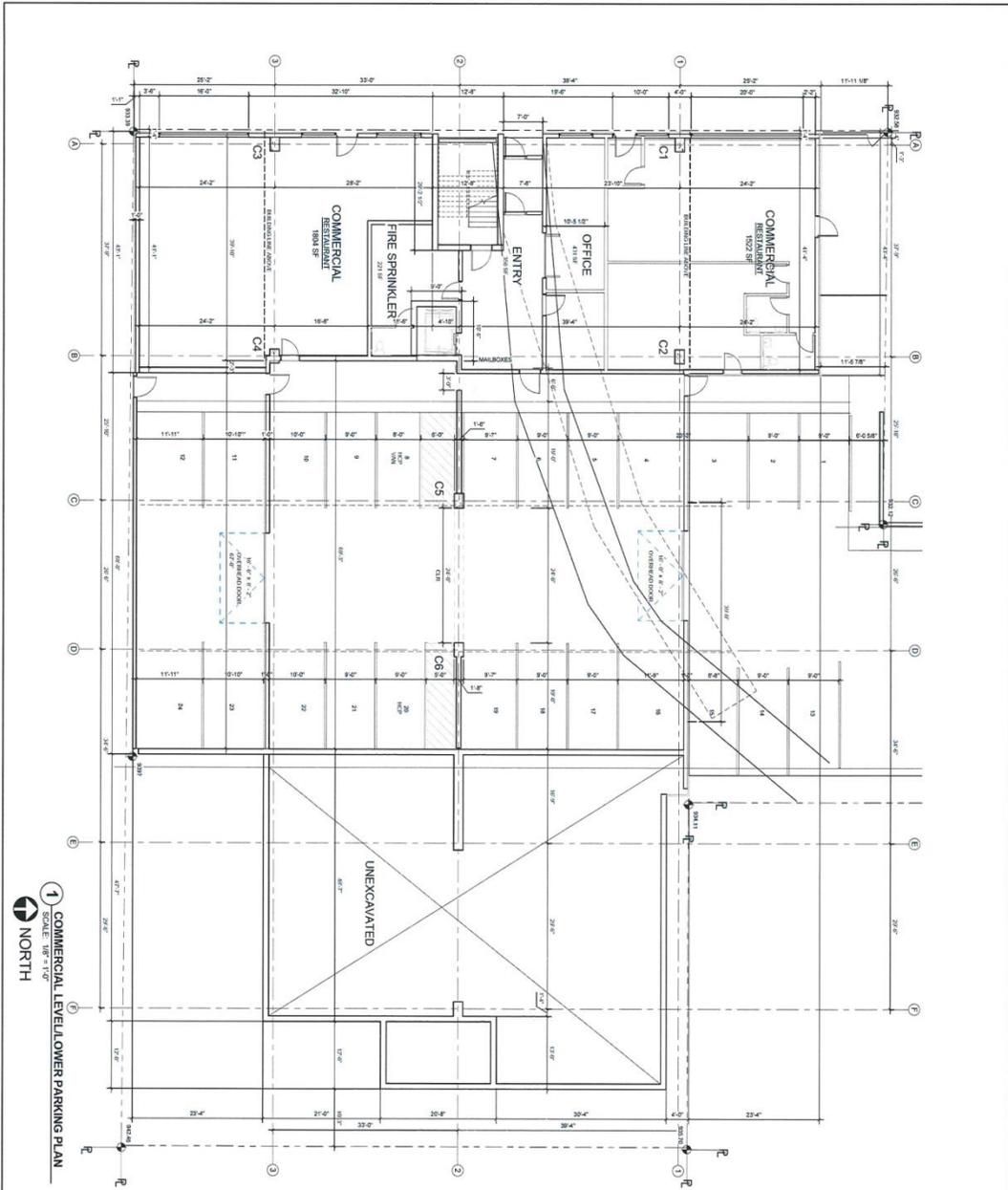
JCorp
1222 North 10th Street
Des Moines, IA 50314
Phone: (515) 281-4444
Fax: (515) 281-4444
www.jcorp.com

Raker Rhodes
4177 Grand Avenue, Des Moines, IA 50312
Phone: (515) 272-0275
TBD

Fox Engineering
414 South 17th Street Suite 107, Ames, IA 50010
Phone: (515) 233-0000 Fax: (515) 233-0103

</

Attachment D
Preliminary Plans – Lower Parking Plan



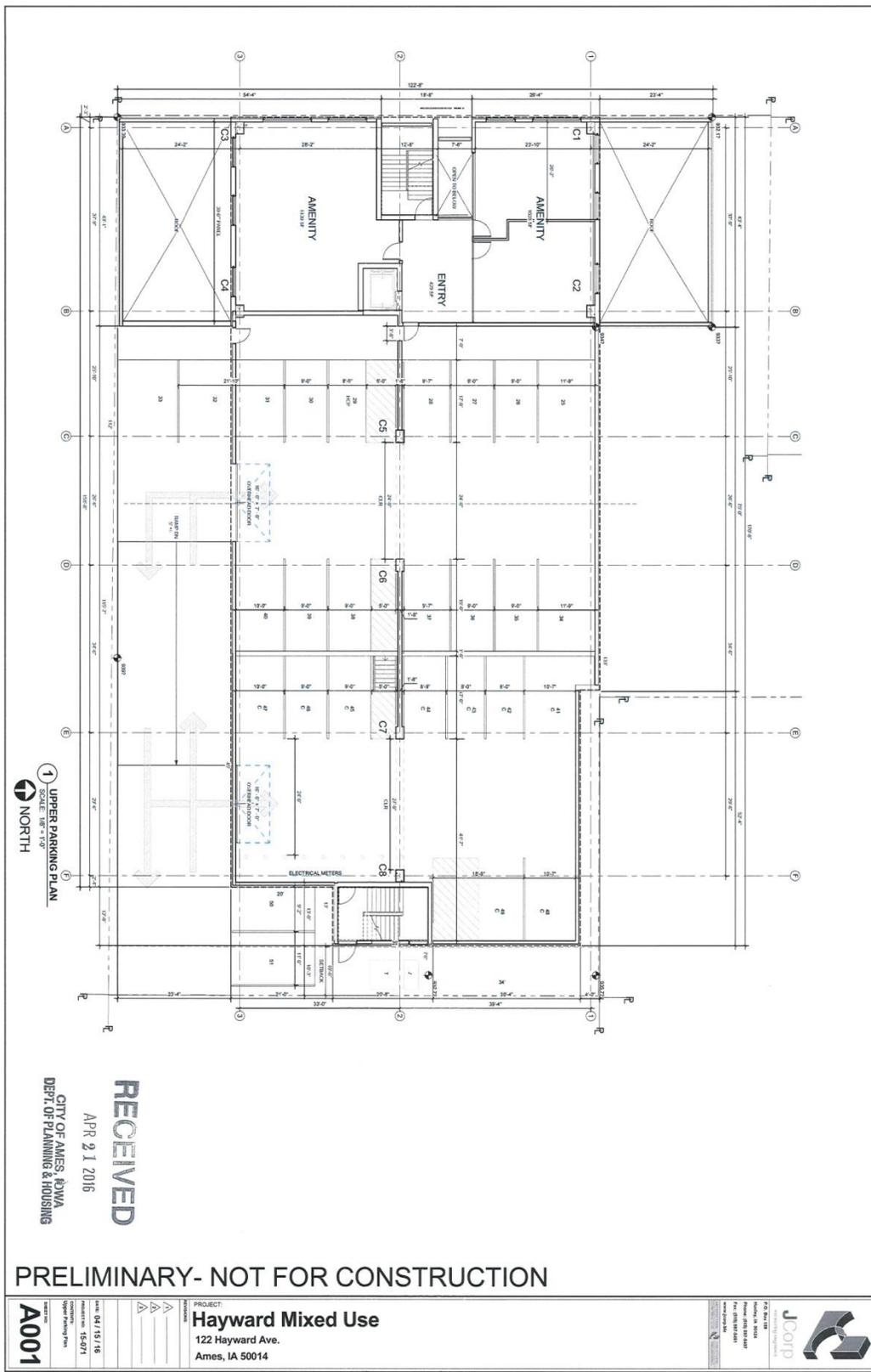
1 COMMERCIAL LEVEL LOWER PARKING PLAN
 SCALE: 1/8" = 1'-0"
 NORTH

RECEIVED
 APR 21 2016
 CITY OF AMES, IOWA
 DEPT. OF PLANNING & HOUSING

PRELIMINARY- NOT FOR CONSTRUCTION

A000 SHEET NO.	DATE: 04/15/16 PROJECT NO: 15-071 DRAWING NO: 15-071	PROJECT: Hayward Mixed Use 122 Hayward Ave. Ames, IA 50014	JCorp ARCHITECTS 1222 13th St SE Ames, IA 50010 P: 515.339.4447 F: 515.339.4448
	PREPARED BY: [Signature] CHECKED BY: [Signature] DATE: 04/15/16		

Attachment D
Preliminary Plans – Upper Parking Plan



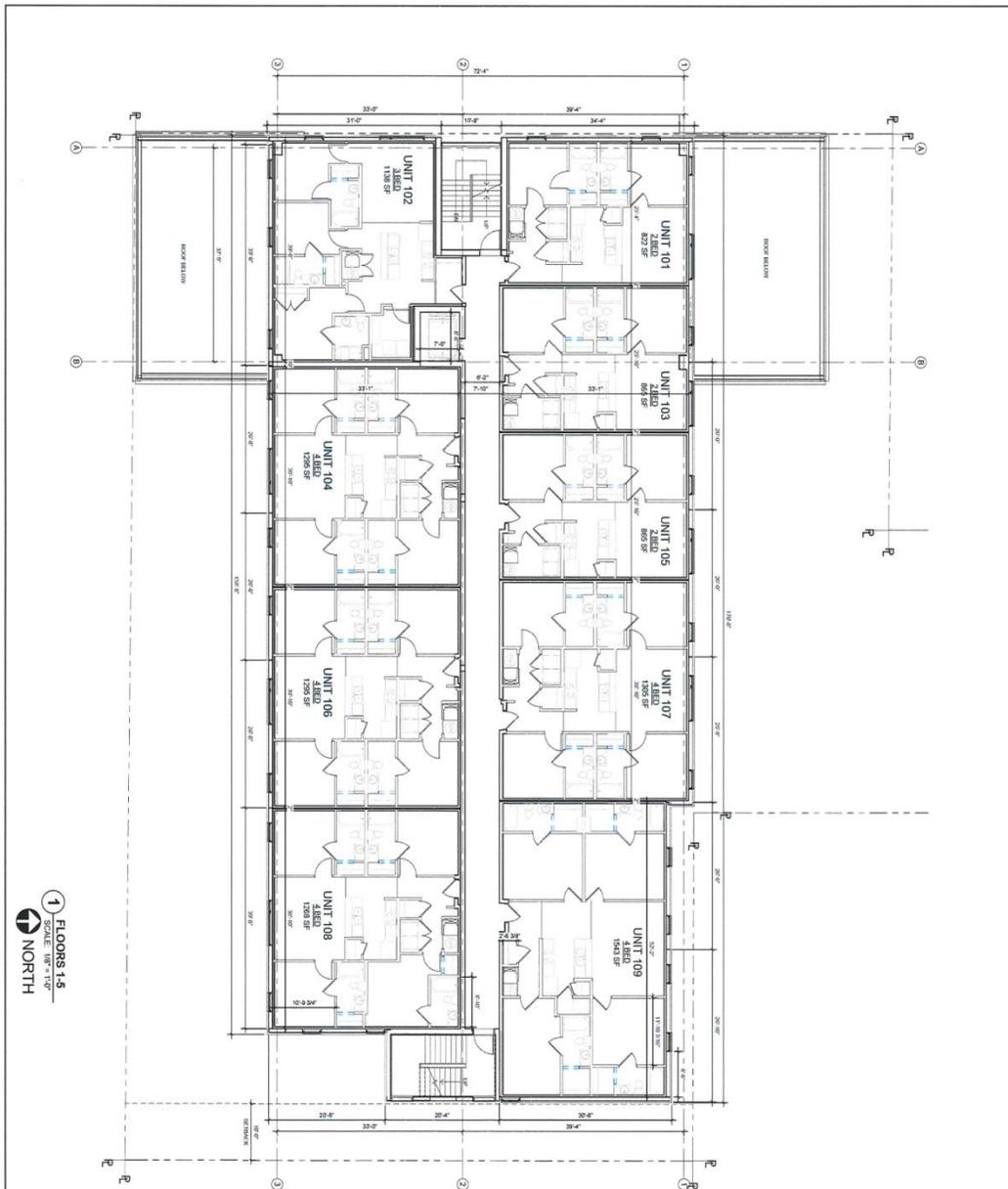
1 UPPER PARKING PLAN
 SCALE: 1/8" = 1'-0"
 NORTH

RECEIVED
 APR 21 2016
 CITY OF AMES, IOWA
 DEPT. OF PLANNING & HOUSING

PRELIMINARY- NOT FOR CONSTRUCTION

A001 DATE: 04/15/16 PROJECT NO.: 152/71 SHEET: 1 OF 1 Upper Parking Plan	PROJECT: Hayward Mixed Use 122 Hayward Ave. Ames, IA 50014	JCorp 700 10th Street Ames, IA 50010 Phone: 515.261.1222 Fax: 515.261.1222
	REVISIONS: 1. _____ 2. _____ 3. _____	

Attachment D
Preliminary Plans – Typical Floor Plan



① FLOORS 1-5
 SCALE: 1/8" = 1'-0"
 NORTH

- ① FLOOR FINISH
- ② CORE FINISH
- ③ PAINTED SHEETS, 4" CORNER TRIM
- ④ MASONRY
- ⑤ CONCRETE SLAB AND CUR
- ⑥ METAL PANELS, SEE MEMORANDUM SECTION
- ⑦ MASONRY FINISH, SEE MEMORANDUM SECTION

RECEIVED
 APR 21 2016
 CITY OF AMES, IOWA
 DEPT. OF PLANNING & HOUSING

PRELIMINARY- NOT FOR CONSTRUCTION

A101 PROJECT NO.	PROJECT: Hayward Mixed Use 122 Hayward Ave. Ames, IA 50014	JCorp 725 East 10th Ames, IA 50010 Phone: 515.281.8800 Fax: 515.281.8801 www.jcorp.com
	DATE: 04/15/16 PREPARED BY: JS-971 CHECKED BY: JS-971	

Attachment D
Preliminary Plans – North & South Building Elevations



2 NORTH ELEVATION
 SCALE: 1/8" = 1'-0"

1 SOUTH ELEVATION
 SCALE: 1/8" = 1'-0"

RECEIVED
 APR 21 2016
 CITY OF AMES, IOWA
 DEPT. OF PLANNING & HOUSING

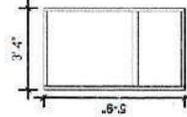
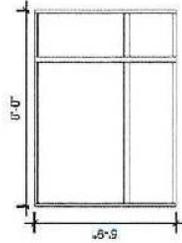
PRELIMINARY- NOT FOR CONSTRUCTION

A500	DATE: 04 / 15 / 16	PROJECT: Hayward Mixed Use	 JCorp 123 North Main Street Ames, IA 50010 Phone: 515.337.4444 Fax: 515.337.4444 www.jcorp.com
	PROJECT NO: 15-071	122 Hayward Ave. Ames, IA 50014	

Attachment D
Preliminary Plans – Natural Daylight Percentages

Typical Floor Natural Daylight Percentages

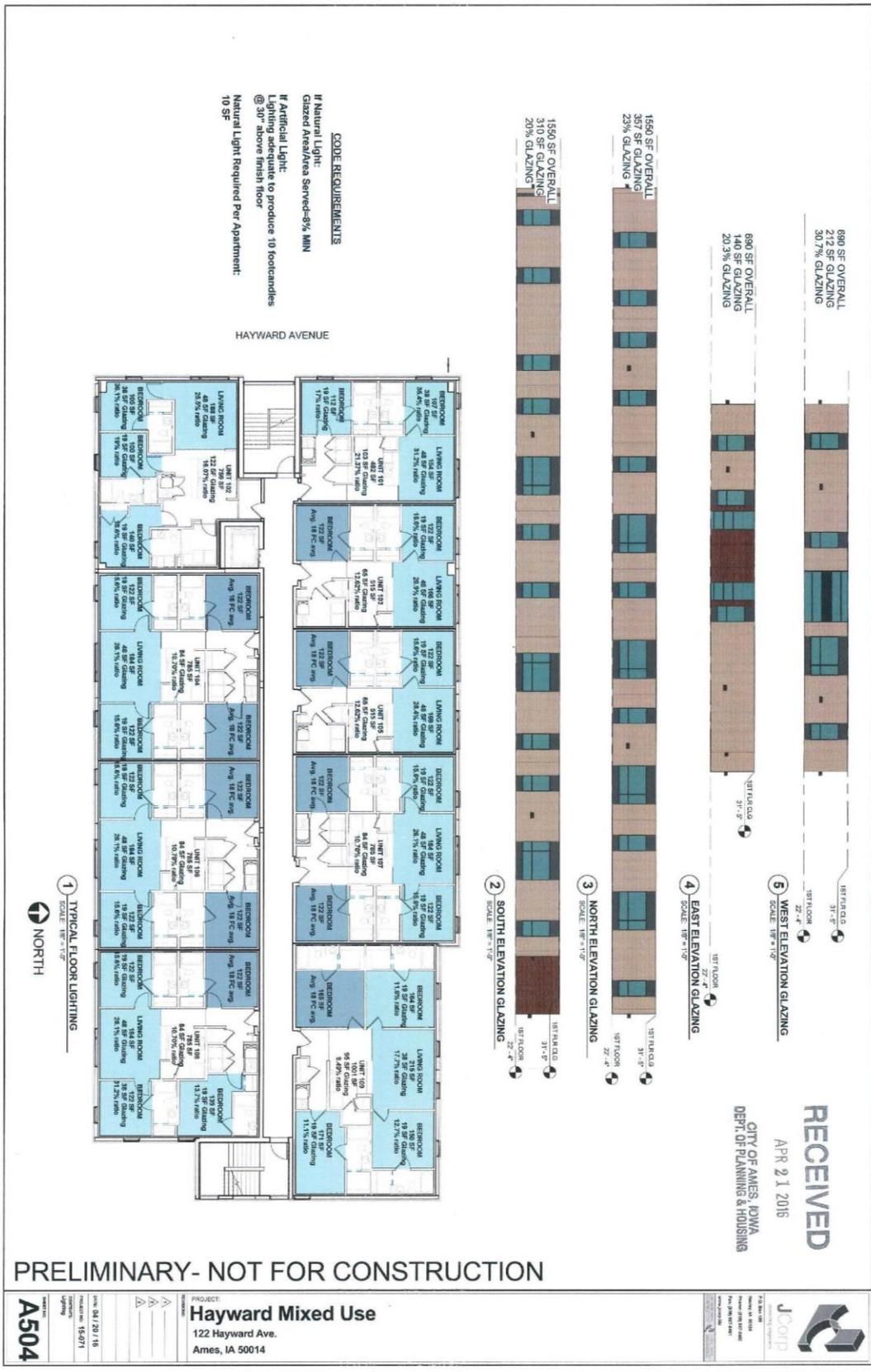
Name	Area	Window Area	Percentage Glazing
BEDROOM	122 SF	0 SF	0.0%
BEDROOM	122 SF	0 SF	0.0%
BEDROOM	122 SF	0 SF	0.0%
BEDROOM	122 SF	0 SF	0.0%
BEDROOM	165 SF	0 SF	0.0%
BEDROOM	122 SF	0 SF	0.0%
BEDROOM	122 SF	0 SF	0.0%
BEDROOM	122 SF	0 SF	0.0%
BEDROOM	122 SF	0 SF	0.0%
BEDROOM	112 SF	19 SF	17.0%
BEDROOM	122 SF	19 SF	15.6%
BEDROOM	122 SF	19 SF	15.6%
BEDROOM	122 SF	19 SF	15.6%
BEDROOM	122 SF	19 SF	15.6%
BEDROOM	164 SF	19 SF	11.6%
BEDROOM	171 SF	19 SF	11.1%
BEDROOM	150 SF	19 SF	12.7%
BEDROOM	122 SF	19 SF	15.6%
BEDROOM	122 SF	19 SF	15.6%
BEDROOM	122 SF	19 SF	15.6%
BEDROOM	122 SF	19 SF	15.6%
BEDROOM	122 SF	19 SF	15.6%
BEDROOM	140 SF	19 SF	13.6%
BEDROOM	100 SF	19 SF	19.0%
BEDROOM	139 SF	19 SF	13.7%
BEDROOM	107 SF	38 SF	35.4%
BEDROOM	122 SF	38 SF	31.2%
BEDROOM	105 SF	38 SF	36.1%
LIVING ROOM	154 SF	48 SF	31.2%
LIVING ROOM	166 SF	48 SF	28.9%
LIVING ROOM	169 SF	48 SF	28.4%
LIVING ROOM	184 SF	48 SF	26.1%
LIVING ROOM	184 SF	48 SF	26.1%
LIVING ROOM	184 SF	48 SF	26.1%
LIVING ROOM	184 SF	48 SF	26.1%
LIVING ROOM	188 SF	48 SF	25.5%
LIVING ROOM	215 SF	48 SF	22.3%



JCorp, inc | P.O. BOX 2000, SUITE 100, WORTH, CA 94597-2000
 P: 925.927.2401
 WWW.JCORP.COM

Hayward Mixed Use | Daylighting
 04 / 15 / 16

Attachment E Lighting



Attachment F

2012 International Building Code

INTERIOR ENVIRONMENT

D of the IPC. It would be unreasonable to expect any heating system to maintain a desired indoor temperature when the outdoor temperature is below the design temperature. When the 97.5-percent column in Appendix D of the IPC is used, it can be assumed that the actual outdoor temperature will be at or below the design temperature for roughly 54 hours of the total of 2,160 hours in the months of December through February (2.5 percent of 2,160 hours = 54).

The exception recognizes that not all interior spaces are associated with human comfort by the nature of their uses, such as a commercial cooler or freezer. These and similar spaces would not require heating systems.

SECTION 1205 LIGHTING

1205.1 General. Every space intended for human occupancy shall be provided with natural light by means of exterior glazed openings in accordance with Section 1205.2 or shall be provided with artificial light in accordance with Section 1205.3. Exterior glazed openings shall open directly onto a public way or onto a yard or court in accordance with Section 1206.

✦ This section establishes that an option can be exercised on a room-by-room or space-by-space basis. The option allows the designer to provide either natural light in accordance with this chapter or equivalent levels of artificial lighting.

1205.2 Natural light. The minimum net glazed area shall be not less than 8 percent of the floor area of the room served.

✦ This section establishes the minimum glazed area required based on the floor area served by the window. This is required only for spaces that are not provided with artificial light in accordance with Section 1205.3. It is the intent of the code to establish this ratio as the minimum glazed opening onto yards or courts, in accordance with Section 1205.1.

Early codes set this standard at 10 percent of the floor area served. This ratio was derived from certain architectural styles that yielded adequate light and ventilation; however, this is a more than adequate amount and has been reduced to the current levels because of energy conservation issues. Openings in excess of that minimum area are permitted to open onto areas other than a complying court or yard. In Figure 1205.4.1, the room dimensions are 15 feet by 20 feet (4572 mm by 6096 mm), or 300 square feet (27.9 m²) of area. If windows B and C are double hung, with a combined glazed area of 24 square feet (2.23 m²), they provide the minimum area required of 8 percent of the floor area (24/300 = 0.08). In this example, glazing unit A is not required for natural light; therefore, it need not face onto a required yard or court.

1205.2.1 Adjoining spaces. For the purpose of natural lighting, any room is permitted to be considered as a portion of an adjoining room where one-half of the area of the common

INTERIOR ENVIRONMENT

wall is open and unobstructed and provides an opening of not less than one-tenth of the floor area of the interior room or 25 square feet (2.32 m²), whichever is greater.

Exception: Openings required for natural light shall be permitted to open into a sunroom with thermal isolation or a patio cover, where the common wall provides a glazed area of not less than one-tenth of the floor area of the interior room or 20 square feet (1.86 m²), whichever is greater.

✦ In a case where a space (or room) has no glazed area open to the required courts or yards but is adjacent to one that does, it may "borrow" natural lighting from the adjacent space if: (1) the wall between the adjoining spaces is at least one-half open and unobstructed; (2) the opening equals at least 10 percent of the floor area of the interior space and (3) the opening is not less than 25 square feet (2.33 m²). The required glazed area facing the required court or yard must not be less than 8 percent of the total floor area of all rooms served. For example, in Figure 1205.2.1, the glazed area in Space B is required to be equal to or greater than 0.08 (floor area of Space A + floor area of Space B).

In the figure, the opening between the adjacent spaces must meet all three criteria: it must be a minimum of 25 square feet (2.33 m²) and it must be not less than one-tenth of the floor area of space A.

The exception deals with a very common circumstance, especially in residential construction. As long as the sunroom is large enough and is thermally isolated, the building owner need not move openings for lighting when installing an addition that falls within the definition of "sunroom." Note that sunrooms can also be part of the initial construction of a building.

1205.2.2 Exterior openings. Exterior openings required by Section 1205.2 for natural light shall open directly onto a public way, yard or court, as set forth in Section 1206.

Exceptions:

1. Required exterior openings are permitted to open into a roofed porch where the porch:

1.1. Abuts a public way, yard or court;

1.2. Has a ceiling height of not less than 7 feet (2134 mm); and

1.3. Has a longer side at least 65 percent open and unobstructed.

2. Skylights are not required to open directly onto a public way, yard or court.

✦ In order that enough light will be provided through openings to naturally lit rooms, the openings must open onto yards or courts with the minimum dimensions specified in Section 1206. Skylights admit light directly from above and, therefore, are not required to face a court or yard in accordance with Exception 2. Exception 1 gives the criteria by which a roofed porch may be located directly outside required openings without significantly obstructing the entrance of light to the space.

1205.3 Artificial light. Artificial light shall be provided that is adequate to provide an average illumination of 10 footcandles (107 lux) over the area of the room at a height of 30 inches (762 mm) above the floor level.

✦ The section establishes the minimum required illumination for rooms without the minimum required natural light (see Figure 1205.3). Please note that Section 1006.2 requires 1 footcandle (11 lux) of light at the walking surface of all means of egress.

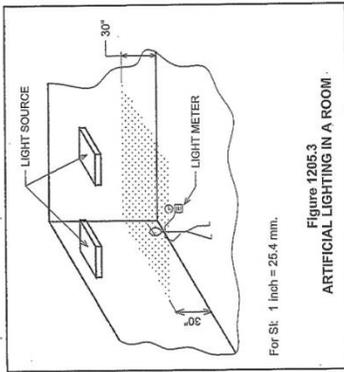


Figure 1205.3
ARTIFICIAL LIGHTING IN A ROOM

1205.4 Stairway illumination. Stairways within dwelling units and exterior stairways serving a dwelling unit shall have an illumination level on tread runs of not less than 1 footcandle (11 lux). Stairs in other occupancies shall be governed by Chapter 10.

✦ Illumination is essential for stairway safety during normal use, as well as during egress in an emergency. The lighting must be operable by switches in the vicinity of the stairway, located as required by the National Electrical Code® (NEC). Emergency egress lighting, also referred to as "means of egress illumination," is required in occupancies other than dwelling units at a lower rate of illumination (see commentary, Sections 1006 and 1205.5).

1205.4.1 Controls. The control for activation of the required stairway lighting shall be in accordance with NFPA 70.

✦ The NEC provides for controls at the top and bottom of stairways within dwelling units, allowing an occupant to illuminate the stairways before traversing any stairways, regardless of the direction of travel. Illuminated switches, where required, allow an occupant to quickly find the switches when the stairways are dark. Illumination controls for exterior stairways that are operable from the inside of a dwelling unit allow an occupant to safely egress by activating exterior stairway illumination prior to leaving the building. Exterior stairways must be provided with the minimum illumination level specified in Section 1205.4.

1205.5 Emergency egress lighting. The means of egress shall be illuminated in accordance with Section 1006.1.

✦ Means of egress illumination is required in all buildings to allow occupants enough light to negotiate the exit access (such as corridors) and exits (such as enclosed stairways) at all times the building is occupied (see commentary, Section 1006.1).

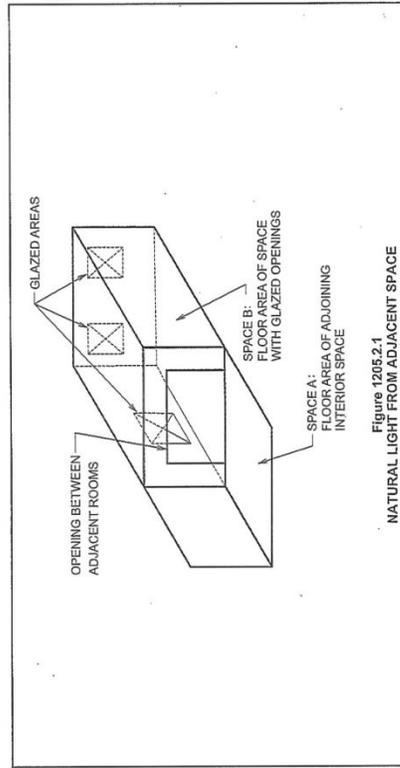


Figure 1205.2.1
NATURAL LIGHT FROM ADJACENT SPACE

2012 INTERNATIONAL BUILDING CODE® COMMENTARY

2012 INTERNATIONAL BUILDING CODE® COMMENTARY

12-10

12-9

Attachment G
Rental Housing Code

DIVISION V
LIGHT, VENTILATION AND OCCUPANCY LIMITATIONS

Sec. 13.500. GENERAL

(1) **Scope.**

The provisions of this chapter shall govern the minimum conditions and standards for light, ventilation and space for occupying a structure.

(2) **Responsibility.**

The owner of the structure shall provide and maintain light, ventilation and space conditions in compliance with these requirements. A person shall not occupy as owner-occupant, or permit another person to occupy, any premises that do not comply with the requirements of this chapter.

(3) **Alternative devices.**

In lieu of the means for natural light and ventilation herein prescribed, artificial light or mechanical ventilation complying with the International Building Code shall be permitted.

Sec. 13.501. LIGHT - NATURAL LIGHT REQUIREMENTS

(1) **Window Space.**

Each habitable room shall be provided with natural light by means of one or more exterior glazed openings. Such window openings shall have a total minimum area of at least ten (10) square feet per apartment. In lieu of window openings for natural light in habitable rooms, adequate light may be a system of artificial light. Artificial light must be capable of producing an average illumination of 6 footcandles over the area of the room at a height of 30 inches above the floor level.

(2) **For the purpose of determining light and ventilation requirements:**

(a) Any room may be considered as a portion of an adjoining room when the common wall has an unobstructed opening of at least 25 square feet.

(b) Openings of less than 1½ square feet shall not be included in computation.

(c) Pre-existing conditions:

Approval of this pre-existing condition is transferable from one owner to another, provided compliance with all conditions of this section is maintained continuously. Failure to maintain continuous compliance with this section may result in termination of approval, and require compliance with current code provisions, following appropriate notification and hearing procedures of this Code.

Sec. 13.502. VENTILATION.

(1) **Natural Ventilation Requirements** (formerly Section 13.39(2)(g)(ii) and (iii))

(a) All habitable rooms and bathrooms shall have natural ventilation provided by easily openable exterior openings. Such openings shall be equal to at least fifty (50) percent of the minimum window area as required in (1) above.

(b) In lieu of openable windows for natural ventilation in dwellings, adequate ventilation may be an installed mechanical ventilation system capable of producing 0.35 air change per hour in the room or a whole-house mechanical ventilation system installed capable of supplying outdoor ventilation air of 15 cubic feet per minute (cfm) per occupant computed on the basis of two occupants for the first bedroom and one occupant for each additional bedroom.

(2) **Pre-existing conditions:**

Approval of this pre-existing condition is transferable from one owner to another, provided compliance with all conditions of this section is maintained continuously. Failure to maintain continuous compliance with this section may result in termination of approval, and require compliance with current code provisions, following appropriate notification and hearing procedures of this Code.

(3) **Clothes dryer exhaust.**

Clothes dryer exhaust systems shall be independent of all other systems and shall be exhausted in accordance with the manufacturer's instructions.